

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

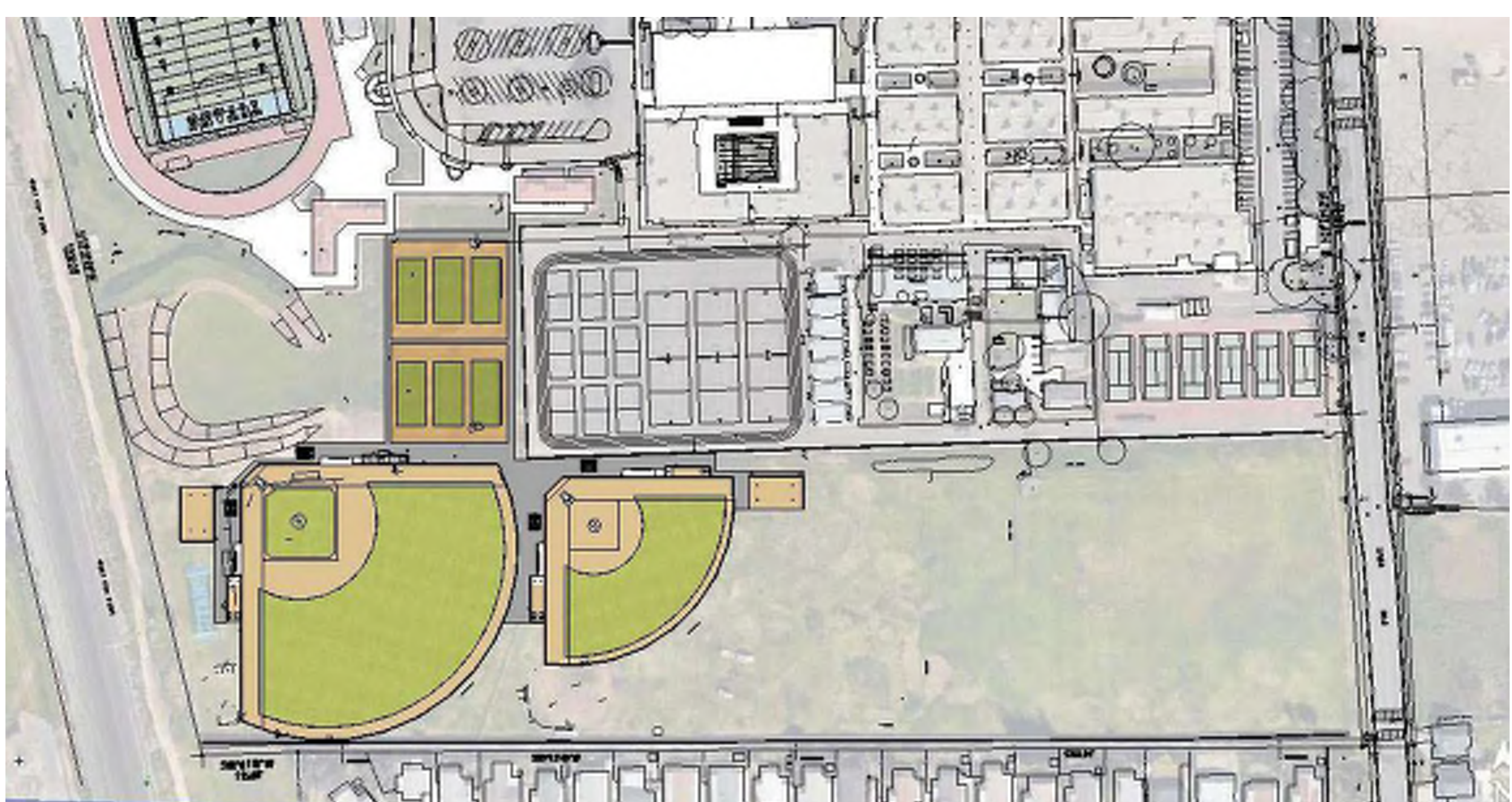
LUTHER BURBANK HIGH SCHOOL

3500 FLORIN ROAD
SACRAMENTO, CA 95823

LUTHER BURBANK HIGH SCHOOL

ATHLETIC FIELDS RENOVATION

DSA APPROVAL DECEMBER 1, 2023



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ARCHITECTURAL SYMBOLS LEGEND

	DETAIL INDICATOR - REFERENCE & DETAIL INDICATOR - ITEM
	DETAIL INDICATOR - SECTION & DETAIL INDICATOR - SECTION ITEM
	SECTION INDICATOR - PARTIAL BUILDING/WALL & DETAIL INDICATOR - AREA
	SECTION INDICATOR - BUILDING
	ELEVATION INDICATOR - EXTERIOR
	ELEVATION INDICATOR - INTERIOR, SINGLE & MULTIPLE VIEW
	MATCH LINE INDICATOR
	REFERENCE GRID WITH REFERENCE GRID LINES
	REVISION INDICATOR & REVISION CLOUD
	ROOM IDENTIFIER WITH ROOM NAME & NUMBER
	ELEVATION INDICATOR - LEVEL & SPOT
	WINDOW OR LOUVER IDENTIFIER
	KEYNOTE INDICATOR
	PLAN NORTH & TRUE NORTH INDICATOR

LIST OF ARCHITECTURAL ABBREVIATIONS

SEE UNITED STATES NATIONAL CAD STANDARD FOR ANY ABBREVIATIONS NOT LISTED BELOW.	DHM DETENTION HOLLOW METAL	MATL MATERIAL	STD STANDARD
DIAMETER	MAX MAXIMUM	STL STEEL	STL STEEL
DIM DIMENSION	MECH MECHANICAL	STOR STORAGE	STOR STORAGE
DS DOWNSPOUT	MEMB MEMBRANE	STRUCT STRUCTURAL	STRUCT STRUCTURAL
DSP DRY STANDPIPE	MFR MANUFACTURER	SUSP CLG SUSPENDED CEILING	SUSP CLG SUSPENDED CEILING
DWG DRAWING	MANHOLE MANHOLE	SV SHEET VINYL	SV SHEET VINYL
DWR DRAWER	MIN MINIMUM	SYMM SYMMETRICAL	SYMM SYMMETRICAL
EA EACH	MISC MISCELLANEOUS	SYS SYSTEM	SYS SYSTEM
EGSB EXTERIOR GYPSUM SHEATHING BOARD	MO MASONRY OPENING	T TREAD	T TREAD
EIFS EXTERIOR INSULATION AND FINISH SYSTEM	MR MOISTURE RESISTANT	THK THICKNESS	THK THICKNESS
EJ EXPANSION JOINT	MTD MOUNTED	TMH TOP OF MANHOLE	TMH TOP OF MANHOLE
EL ELEVATION	MTL METAL	TMF TEMPERED	TMF TEMPERED
ELEC ELECTRIC / ELECTRICAL	MULL MULLION	TOF TOP OF	TOF TOP OF
ELEV ELEVATOR	NIC NOT IN CONTRACT	TOF CURB	TOF CURB
EMER EMERGENCY	NO NUMBER	TOF FRAME	TOF FRAME
ENCL ENCLOSURE	NOM NOMINAL	TOF JOIST	TOF JOIST
EPB ELECTRICAL PANEL BOARD	NTS NOT TO SCALE	TOF MASONRY	TOF MASONRY
EQ EQUAL	OC OVER	TOP OF PARAPET	TOP OF PARAPET
EQUIP EQUIPMENT	ON CENTER	TOPOGRAPHY	TOPOGRAPHY
EW EACH WAY	OD OWNER FURNISHED / CONTRACTOR INSTALLED	TOPO TOPOGRAPHY	TOPO TOPOGRAPHY
EWG ELECTRIC WATER COOLER	OFF OFFICE	TOS TOP OF STEEL	TOS TOP OF STEEL
EXH EXHAUST	OGL OBLIQUE GLASS	TOW TOP OF WALL	TOW TOP OF WALL
EXST EXISTING	OPH OPPOSITE HAND	TV TELEVISION	TV TELEVISION
EXP EXPANSION	OPNG OPENING	UC UNDER COUNTER/CABINET	UC UNDER COUNTER/CABINET
EXT EXTERIOR	OPP OPPOSITE	UNO UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED	UNO UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED
FA FIRE ALARM	PAF POWER ACTUATED FASTENER	UR URINAL	UR URINAL
FB FINISH	PL PROPERTY LINE, PLATE	VCT VINYL COMPOSITION TILE	VCT VINYL COMPOSITION TILE
FD FLOOR DRAIN	PLM PLASTIC LAMINATE	VERT VERTICAL	VERT VERTICAL
FDN FOUNDATION	PLB PLUMB	VEST VESTIBULE	VEST VESTIBULE
FE FIRE EXTINGUISHER	PLBG PLUMBING	VIF VERIFY IN FIELD	VIF VERIFY IN FIELD
FEC FIRE EXTINGUISHER CABINET	PLYWD PLYWOOD	VWC VINYL WALL COVERING	VWC VINYL WALL COVERING
FIN FINISH	PNL PANEL	VWF VINYL WALL FABRIC	VWF VINYL WALL FABRIC
FLG FLOORING	PROP PROPERTY	W WITH	W WITHOUT
FLL FLOW LINE	PSF POUNDS PER SQUARE FOOT	W/O WATER CLOSET	W/O WATER CLOSET
FLR FLOOR	PSI POUNDS PER SQUARE INCH	WD WOOD	WD WOOD
FOC FACE OF CONCRETE/CURB	PT PAINT, PAINT	WH WATER HEATER	WH WATER HEATER
FOF FACE OF FINISH	PTN PARTITION	WO WHERE OCCURS	WO WORKING POINT
FOM FACE OF MASONRY	PV PHOTOVOLTAIC	WP WORKING POINT	WP WATERPROOF MEMBRANE
FOS FACE OF STUD	QT QUARRY TILE	WSCOT WAINSCOT	WSCOT WAINSCOT
FWF FACE OF WALL	R RADIUS, RISER	WT WEIGHT	WT WEIGHT
FR FIREPROOF	RD ROOF DRAIN	WTR WATER	WTR WATER
FRP FIBERGLASS REINFORCED PLASTIC	REBAR REINFORCING STEEL BAR	WWR WELDED WIRE REINFORCEMENT	WWR WELDED WIRE REINFORCEMENT
FT FEET / FOOT	REF REFERENCE		
FTG FOOTING	REF REFRIGERATOR		
FURG FURRING	REIN REINFORCE / REINFORCING		
FUT FUTURE	REQD REQUIRED		
FURD FUTURE GROUND; NATURAL GAS	RESIL RESILIENT		
GA GAGE	RM ROOM		
GALV GALVANIZED	RO ROUGH OPENING		
GRAB GRAB BAR	RWD REDWOOD		
GI GALVANIZED IRON	RWL RAIN WATER LEADER		
GLU LAM GLUED LAMINATED WOOD	SAD SEE ARCHITECTURAL DRAWINGS		
GYP GYPSUM	SATC SUSPENDED ACOUSTICAL TILE CEILING		
HOSE BIB	SB SPLASH BLOCK		
HC HOLLOW CORE	SC SOLID CORE		
HDBD HARDBOARD	SCHED SCHEDULE		
HDW HARDWARE	SD STORM DRAIN		
HDWD HARDWOOD	SDT SELF DRIVING, SELF TAPPING SHEET		
HM HOLLOW METAL	SHT SHEATHING		
HORIZ HORIZONTAL	SHV SHELVING		
HR HOUR	SHR SIMLAR		
HT HEIGHT	SLNT SEALANT		
ID INSIDE DIAMETER	SM SHEET METAL		
INSUL INSULATION	SPEC SPECIFICATION		
INT INTERIOR	SQ SQUARE		
JAN JANITOR	SS SANITARY SEWER, SERVICE		
KITCHEN	SST STAINLESS STEEL		
LAB LABORATORY			
LAV LAVATORY			

PROJECT DIRECTORY

OWNER SAC CITY UNIFIED SCHOOL DISTRICT 5735 47TH AVENUE SACRAMENTO, CA 95824 CONTACT: CHRIS RALSTON PHONE: 916.395.3970 EMAIL: CHRIS-RALSTON@SCUSD.EDU	STRUCTURAL ENGINEER LIONAKIS 2025 19TH STREET SACRAMENTO, CA 95818 CONTACT: LUCAS JOLLY PHONE: 916.558.1900 EMAIL: LUCAS.JOLLY@LIONAKIS.COM
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GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES ETC. PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY ARCHITECT WHERE CONFLICT OCCURS ON ANY OF THE CONTRACT DRAWINGS OR DOCUMENTS. CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED WITH THE AFFECTED PARTIES.
- WHERE REQUIRED, ROOM OCCUPANCY CAPACITIES SHALL BE POSTED WITH THE REQUIREMENTS OF CALIFORNIA STATE FIRE MARSHAL & CBC 1004.9.
- SPECIAL REQUIREMENTS:
- ASSUMED PROPERTY LINES & FIRE SEPARATION DISTANCE PER SHEET GL102
- ACCESSIBLE PATH OF TRAVEL PER SHEET GA101
- EMERGENCY VEHICLE ROAD ACCESS PER GL102
- FOR PARKING REQUIREMENTS SEE SHEET GA101
- CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDING BUT NOT LIMITED TO:
- TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
- TITLE 24 CCR, PART 1 - 2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE
- TITLE 24 CCR, PART 2 - 2022 CALIFORNIA BUILDING CODE, VOL. 1 & 2 (CBC)
- TITLE 24 CCR, PART 3 - 2022 CALIFORNIA ELECTRICAL CODE (CEC)
- TITLE 24 CCR, PART 4 - 2022 CALIFORNIA MECHANICAL CODE (CMC)
- TITLE 24 CCR, PART 5 - 2022 CALIFORNIA PLUMBING CODE (CPC)
- TITLE 24 CCR, PART 6 - 2022 CALIFORNIA ENERGY CODE
- TITLE 24 CCR, PART 9 - 2022 CALIFORNIA FIRE CODE (CFC)
- TITLE 24 CCR, PART 11 - 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
- TITLE 24 CCR, PART 12 - 2022 CALIFORNIA REFERENCED STANDARDS
- 2022 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)
- 2019 NFPA 14, INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
- 2021 NFPA 17A, WET CHEMICAL EXTINGUISHING SYSTEMS
- 2021 NFPA 17B, DRY CHEMICAL EXTINGUISHING SYSTEMS
- 2022 NFPA 20, INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
- 2018 NFPA 22, WATER TANKS FOR PRIVATE FIRE PROTECTION
- 2022 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPLIANCE/FITTINGS
- 2020 NFPA 25, INSPECTION, TESTING, MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (CA AMENDED)
- 2022 NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED)
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
- 2017 ICC 300, STANDARD ON BLEACHERS, FOLDING AND TELESCOPIC SEATING AND GRANDSTANDS
- CHANGES TO THE APPROVED DRAWINGS OR SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENTS (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY THE SECTION 4-338 OF CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 1 (CAC 4-338) SUBSTITUTIONS OF PRODUCTS OR PROCESSES WHICH AFFECT STRUCTURAL SAFETY, FIRE AND LIFE-SAFETY, OR ACCESSIBILITY SHALL BE SUBMITTED AS AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT TO DSA FOR REVIEW AND APPROVAL.
- A CLASS 2 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
- CONSTRUCTION AND DEMOLITION SHALL CONFORM TO 2022 CFC, CHAPTER 33.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(c), PART 1, TITLE 24, CCR)
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
- LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
- ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT. A LISTING OF CERTIFIED ATT CAN BE FOUND AT: <https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance>.
- THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.
- PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.
- LIONAKIS WILL NOT PROVIDE ANY INFORMATION CONCERNING HAZARDOUS MATERIAL. CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR HAZARDOUS MATERIAL SCOPE AND REQUIREMENTS.

SCOPE OF PROJECT

- DEMOLITION OF EXISTING VARSITY BASEBALL AND SOFTBALL FIELDS. DEMOLITION OF EXISTING TENNIS COURTS. WORK TO INCLUDE BUT NOT LIMITED TO DEMOLITION OF IRRIGATION, LANDSCAPING, EXISTING DUGOUT STRUCTURES, CONCRETE, FENCING, NETTING AND FOUNDATIONS IN THEIR ENTIRETY.
- SITE WORK SCOPE OF WORK SHALL INCLUDE ROUGH GRADING, INSTALLATION OF IRRIGATION, UNDERGROUND UTILITY LINES INCLUDING DOMESTIC WATER, ELECTRICAL, AND LOW VOLTAGE CONDUIT
- CONSTRUCTION OF NEW VARSITY BASEBALL FIELD & VARSITY SOFTBALL FIELD INCLUDING FIELDS, BACKSTOP, DUGOUTS, BULLPENS, & BATTING CAGES.
- INSTALLATION OF (3) 5 ROW BLEACHERS AT BOTH VARSITY BASEBALL AND VARSITY SOFTBALL FIELDS
- REPLACE NEW TENNIS COURTS IN KIND AT NEW LOCATION.
- SITE WORK RELATED TO ALL PAVING AREAS ALONG ACCESSIBLE PATH OF TRAVEL
- NEW PC-SCOREBOARD AT EACH FIELD LOCATION. DSA APP#04-122317
- NEW PC-SHADE STRUCTURES AT EACH NEW AND EXISTING BATTING CAGES. DSA APP# 04-122015

DEFERRED SUBMITTAL

NONE.

ALTERNATES

- ADD ALTERNATE#1 - DEMOLISH (E) FENCING, GATES, NETTING, SURFACING AND ADD NEW AGGREGATE. SEE CIVIL FOR MORE INFO
BASE BID: (E) TENNIS COURTS TO REMAIN AS IS
- ADD ALTERNATE#2 - GRADING, SOD AND IRRIGATION FOR JV FIELDS. SEE CIVIL AND LANDSCAPE FOR MORE INFORMATION
BASE BID: (E) JV FIELD TO REMAIN AS IS
- ADD ALTERNATE#3 - REGRADE (E) DIRT MOUND. SEE SHEET CG102D
BASE BID: (E) DIRT MOUND TO REMAIN AS IS

TITLE HERE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS (APPLICATION NO. 02-121593, FILE NO. 34-117)

THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

- DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.
- THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELYING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17002 AND 61159 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344" OF TITLE 24, PART 1, (TITLE 24, PART 1, SECTION 4-317 (b))

DATE: 11/28/2023

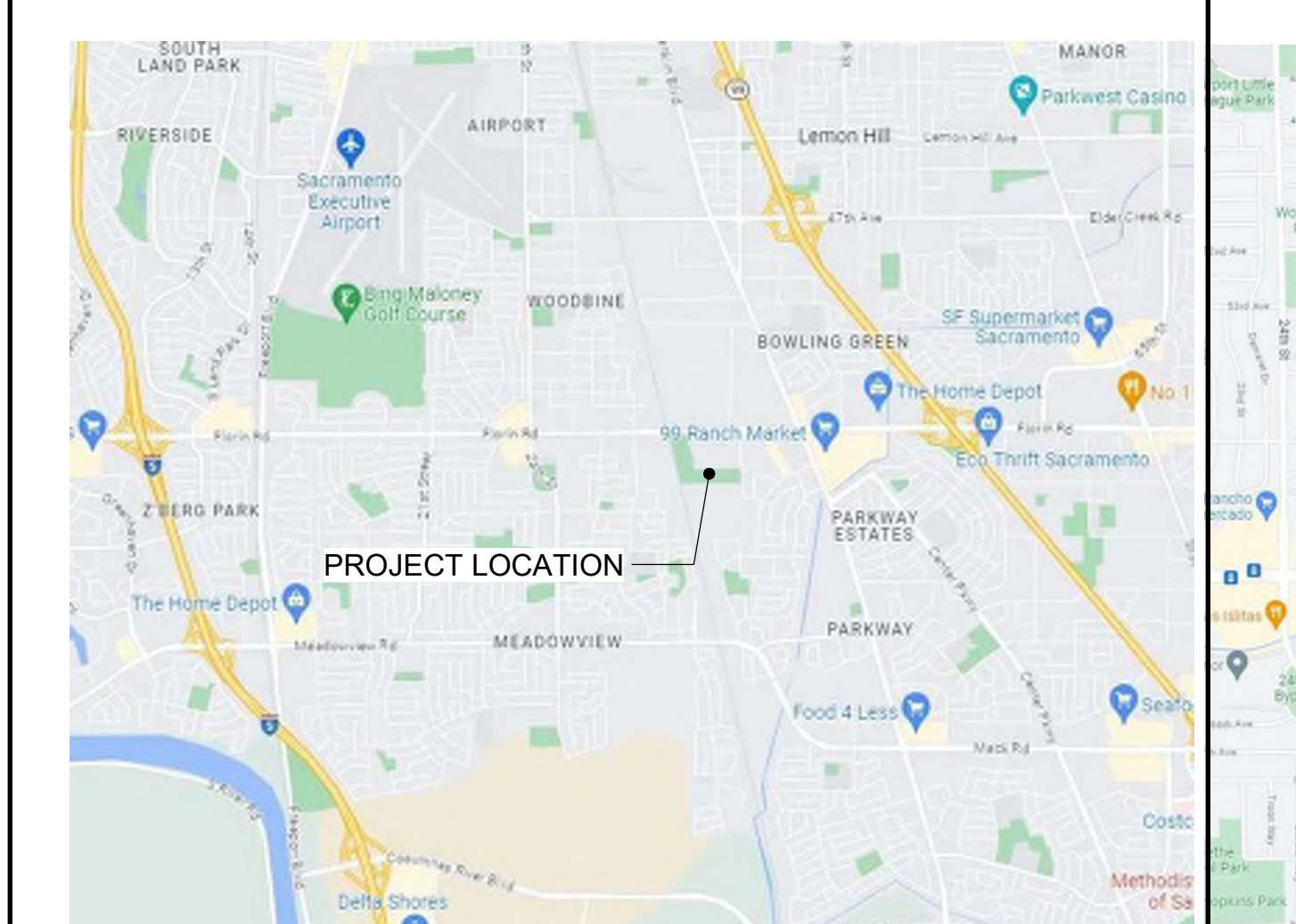
DATE: 1.31.2025

EXPIRATION DATE

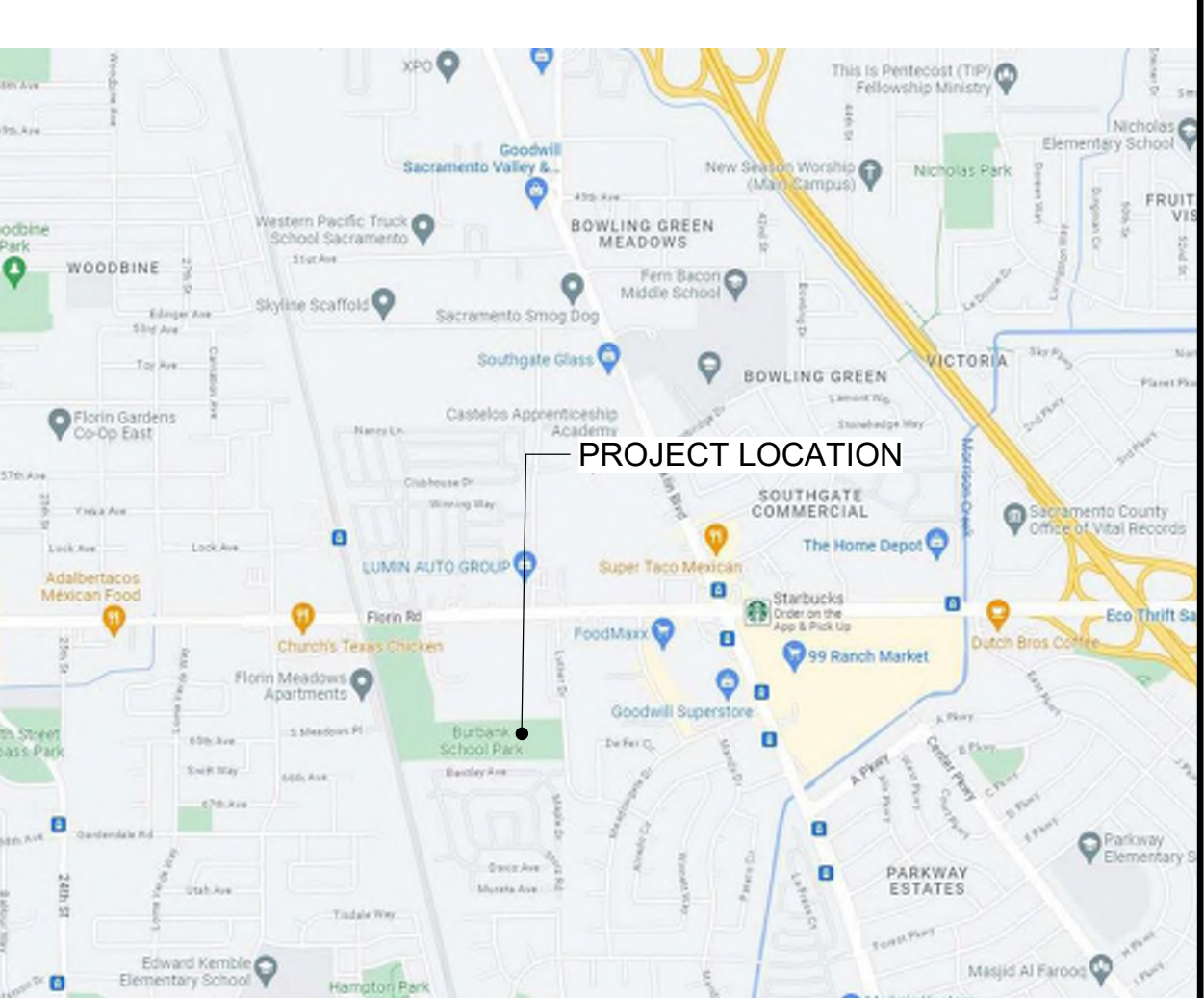
SHEET IDENTIFICATION LEGEND

DISCIPLINE DESIGNATORS - LEVEL 1 G GENERAL C CIVIL L LANDSCAPE S STRUCTURAL A ARCHITECTURAL F FIRE PROTECTION P PLUMBING M MECHANICAL E ELECTRICAL T TELECOMMUNICATIONS	SHEET TYPE DESIGNATORS 0 - GENERAL 1 - PLANS 2 - ELEVATIONS 3 - SECTIONS 4 - LARGE SCALE VIEWS 5 - DETAILS 6 - SCHEDULES & DIAGRAMS 7 - USER DEFINED 8 - USER DEFINED 9 - 3D REPRESENTATIONS
BUILDING IDENTIFIER - WHERE OCCURS DISCIPLINE DESIGNATOR - LEVEL 1 DISCIPLINE DESIGNATOR - LEVEL 2 REPLACE DASH WHERE OCCURS SHEET TYPE DESIGNATOR SHEET TYPE SUBSET DESIGNATOR LEVEL/SEQUENCE DESIGNATOR AREA IDENTIFIER - WHERE OCCURS UNIQUE PORTION IDENTIFIER - WHERE OCCURS	C.A-123AB

LOCATION MAP



VICINITY MAP



PROJECT

LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

ISSUED	MARK	DATE	DESCRIPTION

MANAGEMENT	LIONAKIS PROJECT NO.	020341
DSA APPLICATION NO.	02-121593	
CLIENT PROJECT NO.		
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TITLE	COVER SHEET

SHEET	G-001

NOTE:
DSA APP# 02-120053 IS UNDER CONSTRUCTION BY OTHERS (NOT PART OF THIS PROJECT SCOPE OF WORK) AND FINAL CERTIFICATION OF THIS DSA APP#02-121593 IS CONTINGENT UPON FINAL CERTIFICATION OF DSA APP# 02-120053.

0 1/4" = 1'

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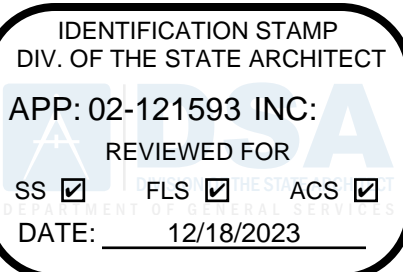
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 - GL102 CODE ANALYSIS & FIRE TRUCK ACCESS SITE PLAN
 - G-501 ACCESSIBILITY REQUIREMENTS
- CIVIL
 - C101 CIVIL COVER SHEET
 - VF001 SURVEY INFORMATION SHEET
 - VF101A PARTIAL TOPOGRAPHIC SURVEY AREA A
 - VF101B PARTIAL TOPOGRAPHIC SURVEY AREA B
 - VF101C PARTIAL TOPOGRAPHIC SURVEY AREA C
 - CD101A SURFACE DEMOLITION PLAN AREA A
 - CD101B SURFACE DEMOLITION PLAN AREA B
 - CD101C SURFACE DEMOLITION PLAN AREA C
 - CD101D SURFACE DEMOLITION PLAN AREA C
 - CD101E SURFACE DEMOLITION PLAN AREA C
 - CD102A UTILITY DEMOLITION PLAN AREA A
 - CD102B UTILITY DEMOLITION PLAN AREA B
 - CD102C UTILITY DEMOLITION PLAN AREA C
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 - CS601 CONSTRUCTION POINT LIST
 - CG101 ENGINEERED FILL PLAN
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 - CS504 SITE DETAILS
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 - LS16B MATERIALS AND DETAIL REFERENCE PLAN
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 - AS401 ENLARGED PLAN - HOME DUGOUT
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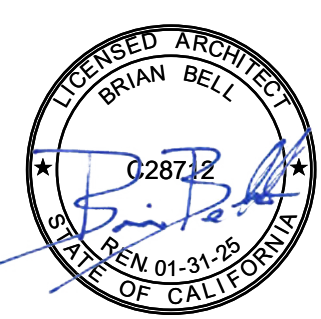


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CONSULTANT

SEAL



PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED		
MARK	DATE	DESCRIPTION
	09/10/2023	DSA SUBMITTAL

MANAGEMENT	
LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	
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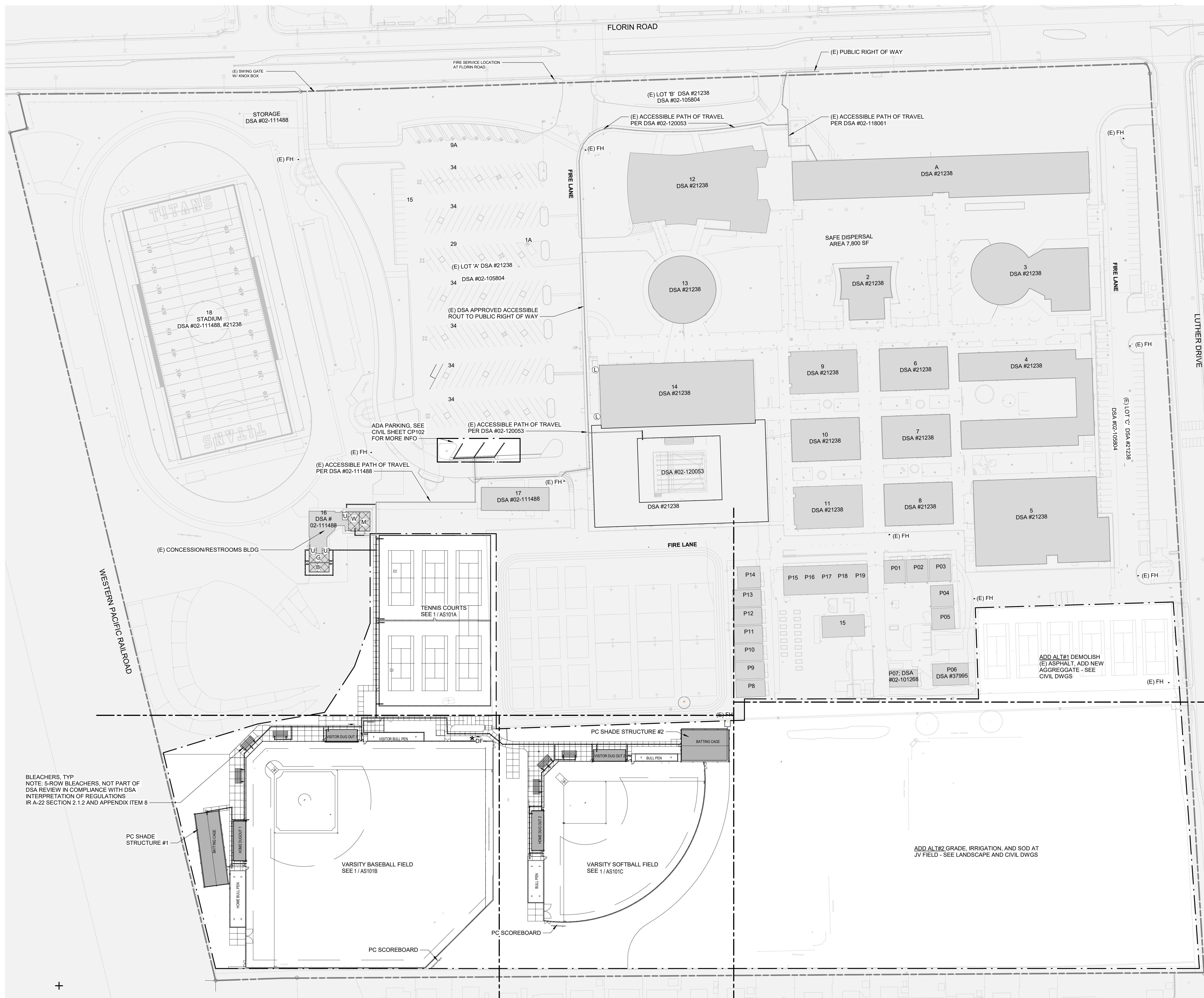
TITLE
SHEET INDEX

SHEET
G-002

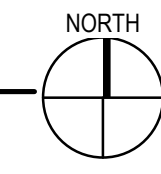
0 1/4" = 1'-0"

IF THIS SHEET IS NOT 30"x42" IT IS A REDUCED PRINT - SCALE ACCORDINGLY

11/29/2023 3:28:41 PM BM13010023041_S01030 Burbank HS Plans/02041_ARCHITECT_E02_CENTRAL.rvt



1 SITE PLAN - ACCESSIBILITY
SCALE 1" = 60'-0"



GENERAL NOTES

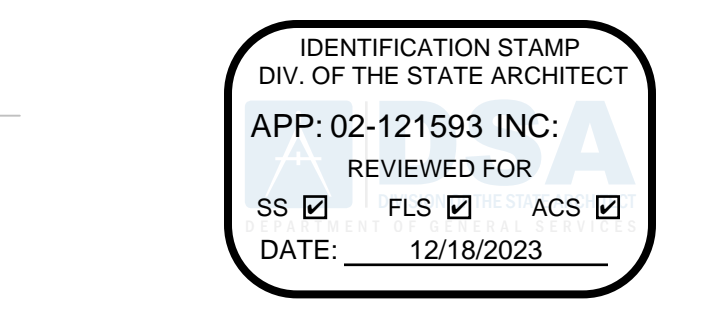
- 1. ACCESSIBLE ROUTE COMPONENTS INCLUDE BUT ARE NOT LIMITED TO**
- AT LEAST 48" IN WIDTH OR AS APPROVED BY CODE
 - WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 1/4"
 - WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE;
 - WITH A RUNNING SLOPE OF 1:20 OR LESS;
 - WITH RUNNING SLOPE OF CODE COMPLIANT RAMPS, NOT TO EXCEED 8.33% (1:12), (RAMPS COMPLY WITH 118-405)
 - WITH REQUIRED LANDINGS AND LEVEL AREAS WITH A SLOPE OF 1:48 OR LESS;
 - WITH A CROSS SLOPE OF 1:48 OR LESS;
 - WITH OPENINGS IN DRAINS AND GRATINGS NOT TO EXCEED 1/2" IN PREDOMINANT DIRECTION OF TRAVEL;
 - IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE; AND IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE;
 - ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL;
 - ALL GATES ALONG THE ACCESSIBLE PATH OF TRAVEL MUST MEET THE CLEARANCE REQUIREMENTS OF 100G-501, AND MUST HAVE PANIC BARS FOR OCCUPANT LOADS ABOVE 49 OCCUPANTS

LEGEND

- AREA OF WORK, SHOWN FOR REFERENCE ONLY. REFER TO ALL OTHER CONSTRUCTION DOCUMENTS FOR FULL SCOPE OF WORK NOT SHOWN HERE
- EXISTING STRUCTURE WITH NO SCOPE OF WORK
- STRUCTURE UNDER THE SCOPE OF WORK
- B BOYS RESTROOM
G GIRLS RESTROOM
U UNISEX RESTROOM
SM MENS STAFF RESTROOM
SW WOMENS STAFF RESTROOM
- RESTROOM LOCATION
ACCESSIBLE RESTROOM
- *DF ACCESSIBLE HI-LO DRINKING FOUNTAIN
- ACCESSIBILITY PATH OF TRAVEL
- DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
- DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
- EXISTING DSA APPROVED ACCESSIBILITY PATH OF TRAVEL
- PROPERTY LINE
- (E) SITE LIGHT FIXTURES

(E) PARKING SUMMARY

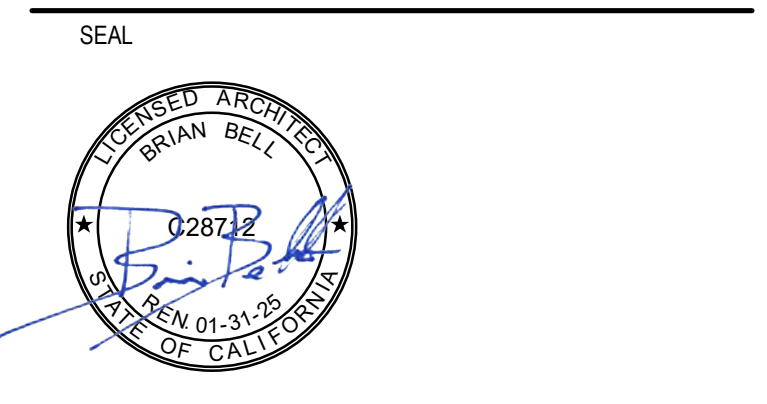
	(E) ACCESSIBLE STALLS	(E) VAN ACCESSIBLE STALLS	TOTAL (E) ACCESSIBLE STALLS	REQUIRED ACCESSIBLE STALLS	TOTAL (E) STALLS
LOT A	10	4	14	7	267
LOT B	1	1	2	1	6
LOT C	3	1	4	4	79
TOTAL					352



LIONAKIS

2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900 F 916.558.1919
www.lionakis.com

CONSULTANT



PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

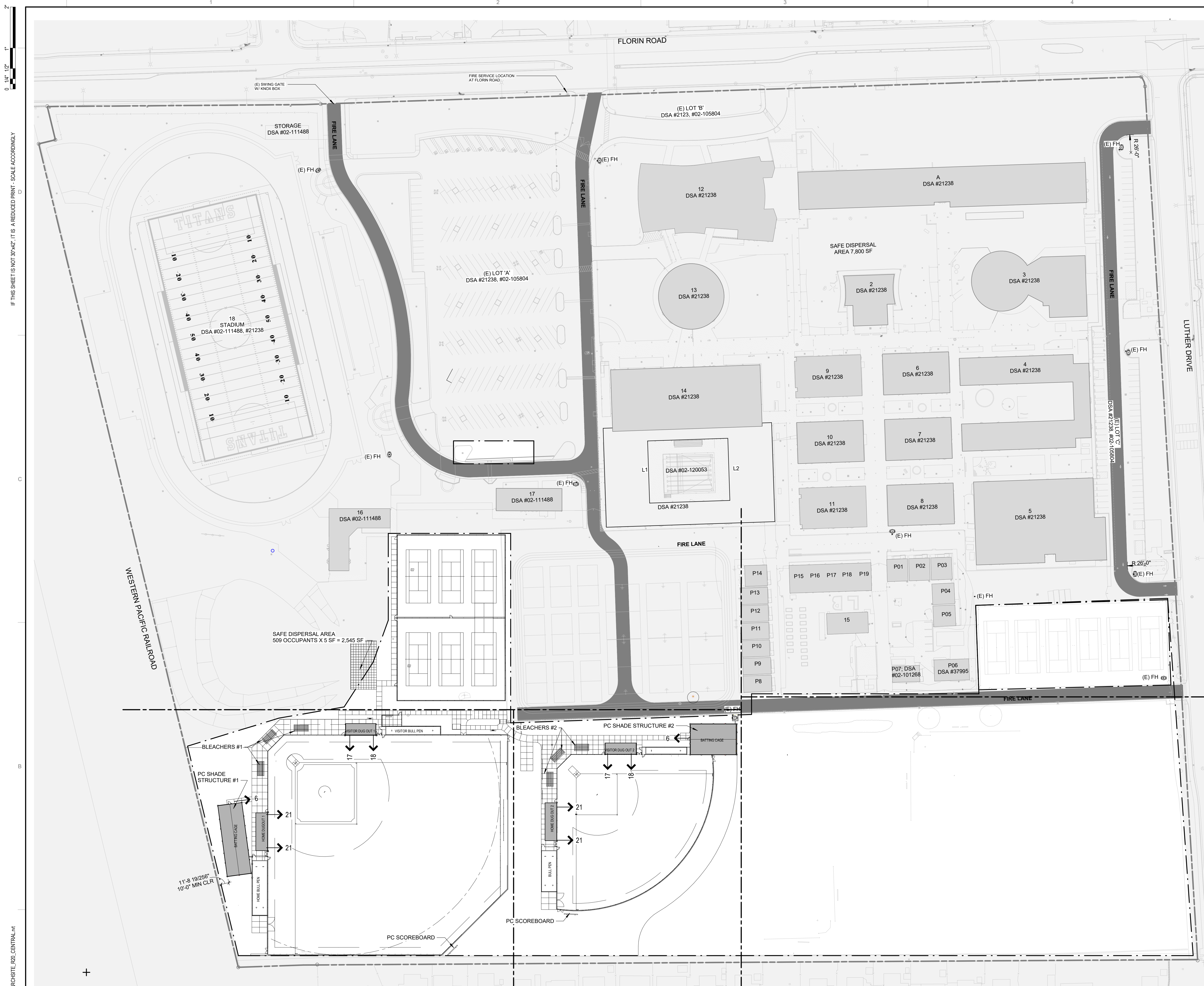
CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

MANAGEMENT	
LIONAKIS PROJECT NO.	023041
DSA APPLICATION NO.	02-121593
CLIENT PROJECT NO.	
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TITLE
ACCESSIBILITY SITE PLAN

SHEET
GA101



GENERAL NOTES

1. SEE GA101 FOR ACCESSIBLE PATH OF TRAVEL

BUILDING CODE ANALYSIS

1. GOVERNING CODE:	2022 CALIFORNIA BUILDING CODE								
2. OCCUPANCY TYPE: (CBC CHAPTER 3)	GROUP E OCCUPANCY								
3. CONSTRUCTION TYPE: (CBC 601 & TABLE 602)	TYPE V-B (NON-SPRINKLERED)								
4. BASIC ALLOWABLE HEIGHT AND BUILDING AREA: (CBC TABLE 504.3, 504.4, 508.2)	<table border="1"> <tr> <th>OCCUPANCY GROUP</th> <th>SF PER STORY</th> <th>MAX # OF STORIES</th> <th>ALLOWABLE BLDG HT</th> </tr> <tr> <td>GROUP E (NS)</td> <td>9,500 SF</td> <td>1 STORIES</td> <td>40 FT</td> </tr> </table>	OCCUPANCY GROUP	SF PER STORY	MAX # OF STORIES	ALLOWABLE BLDG HT	GROUP E (NS)	9,500 SF	1 STORIES	40 FT
OCCUPANCY GROUP	SF PER STORY	MAX # OF STORIES	ALLOWABLE BLDG HT						
GROUP E (NS)	9,500 SF	1 STORIES	40 FT						
5. ACTUAL BUILDING HEIGHT:	HOME DUGOUT: 1-STORY, 9'-7" HEIGHT VISITOR DUGOUT: 1-STORY, 9'-7" HEIGHT SHADE STRUCTURE 1: 1-STORY, 17'-4" HEIGHT SHADE STRUCTURE 2: 1-STORY, 15'-4" HEIGHT								
6. ALLOWABLE HEIGHT INCREASES: (CBC TABLE 504)	NOT USED								
7. ACTUAL BUILDING AREA:	<table border="1"> <tr> <th>BUILDING</th> <th>ACTUAL GROSS BUILDING AREA</th> </tr> <tr> <td>SHADE STRUCTURE 1 AND HOME DUGOUT</td> <td>3,367 SF</td> </tr> <tr> <td>SHADE STRUCTURE 2 AND VISITOR DUGOUT</td> <td>3,413 SF</td> </tr> </table>	BUILDING	ACTUAL GROSS BUILDING AREA	SHADE STRUCTURE 1 AND HOME DUGOUT	3,367 SF	SHADE STRUCTURE 2 AND VISITOR DUGOUT	3,413 SF		
BUILDING	ACTUAL GROSS BUILDING AREA								
SHADE STRUCTURE 1 AND HOME DUGOUT	3,367 SF								
SHADE STRUCTURE 2 AND VISITOR DUGOUT	3,413 SF								
8. BASIC ALLOWABLE BUILDING AREA FRONTAGE INCREASE: (CBC 506.3)	NOT USED								
9. OCCUPANT LOAD: (CBC 1004, TABLE 1004.5)	HOME DUGOUT: 698 SF / 20 = 35 OCCUPANTS VISITOR DUGOUT: 698 SF / 20 = 35 OCCUPANTS SHADE STRUCTURE #1: MAX 6 OCCUPANTS SHADE STRUCTURE #2: MAX 6 OCCUPANTS BLEACHERS #1 (21'-0" x 5 ROWS) 18" PER OCCUPANT = 70 OCC x 3 BLEACHER SET = 210 OCCUPANTS BLEACHERS #2 (21'-0" x 5 ROWS) 18" PER OCCUPANT = 70 OCC x 3 BLEACHER SET = 210 OCCUPANTS								

LEGEND

- PROPERTY LINE
- LIMITS OF ARCHITECTURAL SCOPE OF WORK
- EXISTING STRUCTURE WITH NO SCOPE OF WORK
- STRUCTURE UNDER THE SCOPE OF WORK
- (E) FIRE ACCESS ROAD (MINIMUM 20'-0" CLEAR WIDTH UNO)
- EMERGENCY FIRE TRUCK ACCESS PATH OF TRAVEL ROUTE IS TO BE A MINIMUM OF 20' WIDE BY 15' VERTICAL CLEARANCE WITH 26' INSIDE TURNING RADIUS AND AN ADDITIONAL 2' OF WIDTH PROVIDED TO ALLOW FOR CLEARANCE OF APPARATUS BUMPER OVERHANGS. TYP. VEHICLE BARRIERS SUCH AS GATES SHALL BE PROVIDED WITH A KNOX BOX AT CAMPUS ENTRY POINTS.
- (E) FIRE HYDRANT (FH)
- SAFE DISPERSAL AREA
- EXIT AND NUMBER OF OCCUPANTS USING EXIT

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new buildings, additions to existing buildings, and for site alternate design means for the department emergency vehicle access, and fire suppression water supply information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information requested with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgment by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION			
School District/Owner:	Sacramento City Unified School District		
Project Name/School:	Luther Burbank High School Athletics Field Renovation		
Project Address:	3500 Florin Rd, Sacramento CA 95823		
FIRE & LIFE SAFETY INFORMATION			
1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	WFA: <input type="checkbox"/>
2. Has the fire hydrant water flow test performed as part of this LFA? (If yes, provide a copy of the test data.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	WFA: <input type="checkbox"/>
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal Fire? (If yes, include FHSZ classification below.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	WFA: <input type="checkbox"/>
Refer to the following website for FHSZ locations: https://www.fire.ca.gov/2022/01/13/fhsz/	Moderate <input type="checkbox"/>	High <input type="checkbox"/>	Very High <input type="checkbox"/>
Minimum response time (MRT) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)	WFA: <input type="checkbox"/>		

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED		
	Yes	No	WFA
4. Emergency vehicle access roadways do not meet CFC requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Fire Hydrants: Number and spacing does not meet CFC requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Location of the department connection(s) serving the sprinkler systems or standpipe systems does not meet CFC requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

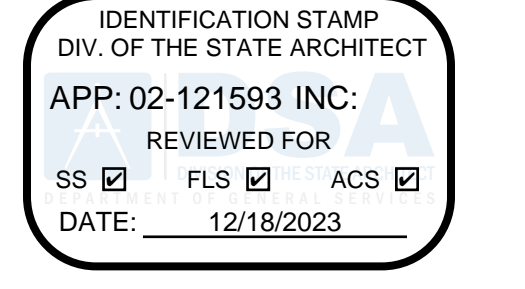
School District Acceptance of Acceptable Design Alternatives:
By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4, 5, 6, or 7, for providing fire and life safety protection of life and property.

Accepted by: Chris Rajston Title: Director III, Facilities, M&O
Signature: [Signature] Date: 11/28/2023

LOCAL FIRE AUTHORITY (LFA) INFORMATION
LFA Agency Name: Sacramento City Fire Department
LFA Review Official: King Tunson
Title: Program Specialist, Fire Planning & Admin. Work Phone: (916) 608-1358
Work Email: ktunson@sfd.ci.sacramento.org
LFA Reviewer's Signature: [Signature] Date: 11/21/2023

1 SITE PLAN - CODE ANALYSIS & FIRE TRUCK ACCESS PLAN

SCALE 1" = 60'-0"



LIONAKIS
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CONSULTANT

SEAL

PROJECT
LUTHER BURBANK HIGH SCHOOL ATHLETIC FIELDS RENOVATION

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
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MANAGEMENT
LIONAKIS PROJECT NO.: 023041
DSA APPLICATION NO.: 02-121593
CLIENT PROJECT NO.:
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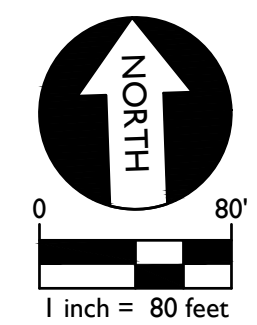
TITLE
CODE ANALYSIS & FIRE TRUCK ACCESS SITE PLAN

SHEET
GL102

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CIVIL IMPROVEMENT PLANS FOR LUTHER BURBANK HIGH SCHOOL ATHLETIC FIELD REPLACEMENT

3500 FLORIN ROAD
SACRAMENTO, CA 95823



SITE PLAN

SCALE = 1" = 80'-0"

ABBREVIATIONS NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE	JP	JOINT UTILITY POLE
AC	ASPHALTIC CONCRETE	LF	LINEAL FEET
AD	AREA DRAIN	LIP	LIP OF GUTTER
APN	ASSESSOR'S PARCEL NUMBER	LT	LEFT
ARV	AIR RELEASE VALVE	MS	MOWSTRIP
ASB	AGGREGATE SUB-BASE	NTS	NOT TO SCALE
BO	BLOW-OFF VALVE	OH	OVERHEAD
BV	BUTTERFLY VALVE	PCC	PORTLAND CEMENT CONCRETE
BW	BACK OF WALK	PDD	PLANTER DRAIN
C/L	CENTERLINE	PIV	POST INDICATOR VALVE
CB	CATCH BASIN	PL	PROPERTY LINE
CMP	CORRUGATED METAL PIPE	PUE	POWER POLE
CO	CABLE TELEVISION	PV	PUBLIC UTILITY EASEMENT
CO	CORNER	PVC	POLYVINYL CHLORIDE
COMM	COMMUNICATION	RCP	REINFORCED CONCRETE PIPE
CONC.	CONCRETE	R	RADIUS
CONST.	CONSTRUCT	RIM	MANHOLE RIM ELEVATION
CR	CURB RETURN	RP	REDUCED PRESSURE
CS	CONCRETE SURFACE	RS	RESILIENT SURFACE (ELEVATION)
DC	DOUBLE CHECK VALVE	RW	RIGHT OF WAY
DDC	DOUBLE DETECTOR CHECK VALVE	RS	SCHEDULE
DG	DECOMPOSED GRANITE	SD	STORM DRAIN
DI	DROP INLET	SDMH	STORM DRAIN MANHOLE
DIA	DIAMETER	SG	STORM DRAIN ELEVATION
DIP	DUCTILE IRON PIPE	SI	SIDE INLET
DWG	DRAWING	SS	SANITARY SEWER
DSP	DOWNSPOUT	SSMH	SANITARY SEWER MANHOLE
DS	DRAINAGE	ST	STANDARD
ESMT	EDGE OF PAVEMENT	S/W	SIDEWALK
EX	EXISTING	T	TELEPHONE
FS	FIRE SERVICE LINE	T/C	TOP OF CURB
FS	FIRE DEPARTMENT CONNECTION	T/D	TRENCH DRAIN
FL	FLOWLINE	TDCB	TRENCH DRAIN CATCH BASIN
FM	SANITARY SEWER FORCE MAIN	TF	TELEPHONE POLE
F	FINISHED FLOOR ELEVATION	TRW	TOP OF RETAINING WALL
FH	FIRE HYDRANT	TSW	TOP OF SEAT WALK
G	GAS	TSW	TRACK FINISHED SURFACE
GR	GRATE ELEVATION	TW	TOP OF WALK ELEVATION
GRD	GRADE ELEVATION	U	UTILITY
GV	GATE VALVE	UG	UNDERGROUND
H	HOSE BIBB	UN	UNLESS OTHERWISE NOTED
HBD	HEADER BOARD	UP	UPRICHEN CLAY PIPE
HP	HIGH POINT	W	WATER
HP	HIGH POINT	W	WITH
INV	PIPE INVERT ELEVATION	W/O	WITHOUT
		WV	WATER VALVE

SYMBOLS LEGEND NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

	STORM DRAIN LINE (SIZE AND FLOW SHOWN)		SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
	STORM DRAIN MANHOLE (SDMH)		SANITARY SEWER MANHOLE (SSMH)
	DROP INLET (DI)		SEWER CLEANOUT / FLUSHER BRANCH
	AREA DRAIN (AD)		
	PLANTER DRAIN (PD)		
	FLOOR DRAIN (FD)		
	TRENCH DRAIN (TD)		
	STORM DRAIN CLEANOUT		
	ELEVATION		
	FINISHED FLOOR ELEVATION		
	BUILDING PAD ELEVATION		
	CONCRETE SIDEWALK		
	GRADED DIRECTION FOR DRAINAGE FLOW		
	GRADED DIRECTION W/ DESIGN/ACTUAL SLOPE		
	GRADED DIRECTION W/ MIN. & MAX. SLOPE		
	SWALE		
	SLOPE		
	TREE TO BE REMOVED		
	TREE TO REMAIN		
	RETAINING WALL		
	OVERLAND RELEASE PATH		
	WATER LINE & SIZE		DOMESTIC WATER LINE & SIZE
	FIRE LINE & SIZE		RECLAIMED WATER LINE & SIZE
	IRRIGATION SERVICE LINE & SIZE		NON POTABLE WATER LINE & SIZE
	FIRE SPRINKLER SVC. LINE & SIZE		GATE VALVE
			WATER METER
	FIRE HYDRANT ASSEMBLY		FIRE DEPARTMENT CONNECTION
			DETECTOR CHECK VALVE
			DOUBLE DETECTOR CHECK VALVE
	REDUCED PRESSURE BACKFLOW PREVENTER		BUTTERFLY VALVE
	AIR RELEASE VALVE + SIZE		BLOW-OFF VALVE + SIZE
			POST INDICATOR VALVE

APPLICABLE CODES & STANDARDS

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR*
- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2021 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2022 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 IAPMO UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
- 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

GENERAL NOTES

- THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.
- WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STAKED BY OTHERS. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
- IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
- CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
- WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
- IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A CLEAN EDGE REMAINS FOR PATCH BACK. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAWING.



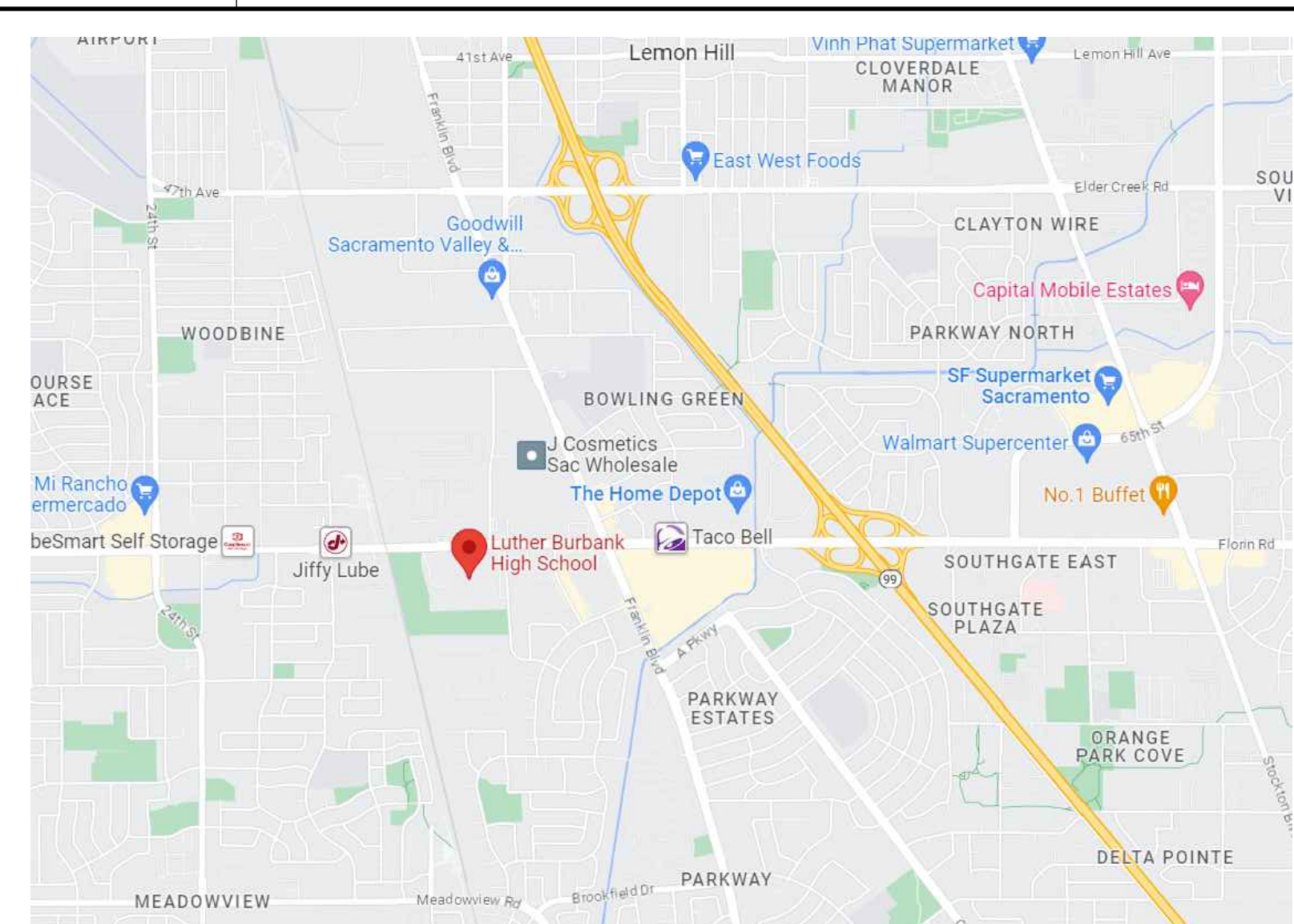
- NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
- SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
- ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
- CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
- EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
- EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
- NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
- WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTOR'S EXPENSE.
- ALL CONTRACTION/CONSTRUCTION JOINTS "C/J" SHALL BE 1/4" SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWLING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTOR'S EXPENSE.
- ANY SPORE BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
- 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB CONSTRUCTION.
- SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
- ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
- REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STOCK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.

WATER FLUSHING NOTES:

- POTABLE WATER FOR HIGH VELOCITY FLUSH 3FT/SEC MAY BE FLUSHED INTO THE STORM DRAIN PROVIDING THE FOLLOWING MEASURES ARE ADHERED TO:
- THE DEVELOPER / CONTRACTOR QSP MUST BE ONSITE MONITORING THE DISCHARGE FOR:
- RESIDUAL CHLORINE IS FIELD MEASURED AT <0.019 MG/L; TURBIDITY MUST NOT EXCEED 100 NTU; OR, MUST BE LESS THAN THAT WHICH IS MEASURED IN THE RECEIVING WATER + 20%; AND,
 - PH IS NO LESS THAN 6.5 NOR GREATER THAN 8.5
- NOTE: IF THE VOLUME OF THE DISCHARGE IS GREATER THAN 325,850 GALLONS THE CONTRACTOR MUST PROVIDE WRITTEN DOCUMENTATION OF THE AFOREMENTIONED MEASUREMENTS. CHLORINATED WATER ASSOCIATED WITH DISINFECTION HAS ANY OF THREE (3) OPTIONS:
- DISCHARGE TO SANITARY SEWER - CONTRACTOR MUST OBTAIN A SEWER DISCHARGE PERMIT FROM SASD - CONTACT EITHER SABINA RYNAS (916) 876-6522 OR LINDA STEVENS (916) 876-5287
 - DE-CHLORINATE AND DISCHARGE TO LAND - RESIDUAL CHLORINE MUST BE FIELD MEASURED AT <0.019 MG/L;
 - DE-CHLORINATE AND PETITION THE REGIONAL WATER BOARD FOR EITHER A LOW THREAT PERMIT OR A WAIVER THERETO

GENERAL PAVING SURFACE NOTES:

- PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%. TYPICAL. PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
- ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% IN ANY DIRECTION, UNLESS SPECIFICALLY LABELED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
 - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.
- ALL PAVING WITHIN 5 FEET OF BUILDINGS SHALL SLOPE AWAY FROM FOUNDATIONS AT LEAST 1%.
- THE CONTRACTOR SHALL ENSURE THAT A 5'-0" MIN. (50.) LEVEL LANDING (1.9% MAX. ANY DIRECTION) IS PROVIDED AT EVERY EXTERIOR DOOR AS IDENTIFIED ON THE PLANS. THIS SHALL BE DONE PRIOR TO CONCRETE POURING TO ENSURE NO VARIATION FROM THE PLANS OR ERROR IN GRADE HAS OCCURRED.
- PAVEMENT ADJOINING BUILDINGS NOT INTENDED FOR PEDESTRIAN TRAVEL SHALL BE SLOPED NO LESS THAN 2% IN ACCORDANCE WITH THE CBC SECTION 1804A.4.
- PAVEMENT ADJOINING BUILDINGS INTENDED FOR PEDESTRIAN TRAVEL, SUCH AS RAMPS, DOOR OR RAMP LANDINGS, ETC. SHALL BE SLOPED NO LESS THAN 1% IN ACCORDANCE WITH THE CBC SECTION 1804A.4 FOR A MINIMUM DISTANCE OF 10 FEET, AND NOT MORE THAN 1:48 (2.08%) IN ACCORDANCE WITH CBC SECTION 11B-403.3.



VICINITY MAP NO SCALE

SHEET INDEX

NO.	SHEET TITLE	NO.	SHEET TITLE
C101	CIVIL COVER SHEET	CK001	EROSION CONTROL NOTES & DETAILS
VF001	SURVEY INFORMATION SHEET	CK101	EROSION CONTROL PLAN
VF101A	PARTIAL TOPOGRAPHIC SURVEY		
VF101B	PARTIAL TOPOGRAPHIC SURVEY	CS001	SITE DETAILS
VF101C	PARTIAL TOPOGRAPHIC SURVEY	CS002	SITE DETAILS
		CS003	SITE DETAILS
		CS004	SITE DETAILS
CD101A	SURFACE DEMOLITION PLAN		
CD101B	SURFACE DEMOLITION PLAN		
CD101C	SURFACE DEMOLITION PLAN		
CD101D	SURFACE DEMOLITION PLAN		
CD101E	SURFACE DEMOLITION PLAN		
CD102A	UTILITY DEMOLITION PLAN		
CD102B	UTILITY DEMOLITION PLAN		
CD102C	UTILITY DEMOLITION PLAN		
CS102A	HORIZONTAL CONTROL PLAN		
CS601	CONSTRUCTION POINT LIST		
CG101	ENGINEERED FILL PLAN		
CG102A	GRADING PLAN		
CG102B	GRADING PLAN		
CG102C	GRADING PLAN		
CG102D	GRADING PLAN - ADD ALTERNATE NO. 3		
CU101A	DRAINAGE AND SEWER PLAN		
CU101B	DRAINAGE AND SEWER PLAN		
CP101A	PAVING PLAN		
CP101B	PAVING PLAN		
CP102	STRIPING PLAN		

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121593 INC.
REVIEWED FOR:
DATE: 12/18/2023

LIONAKIS

2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

WC REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
No. C14586
EL GORRADO HILLS, CA 95762 | (916) 985-1870

PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
-	10.16.2023	DSA BACKCHECK

MANAGEMENT

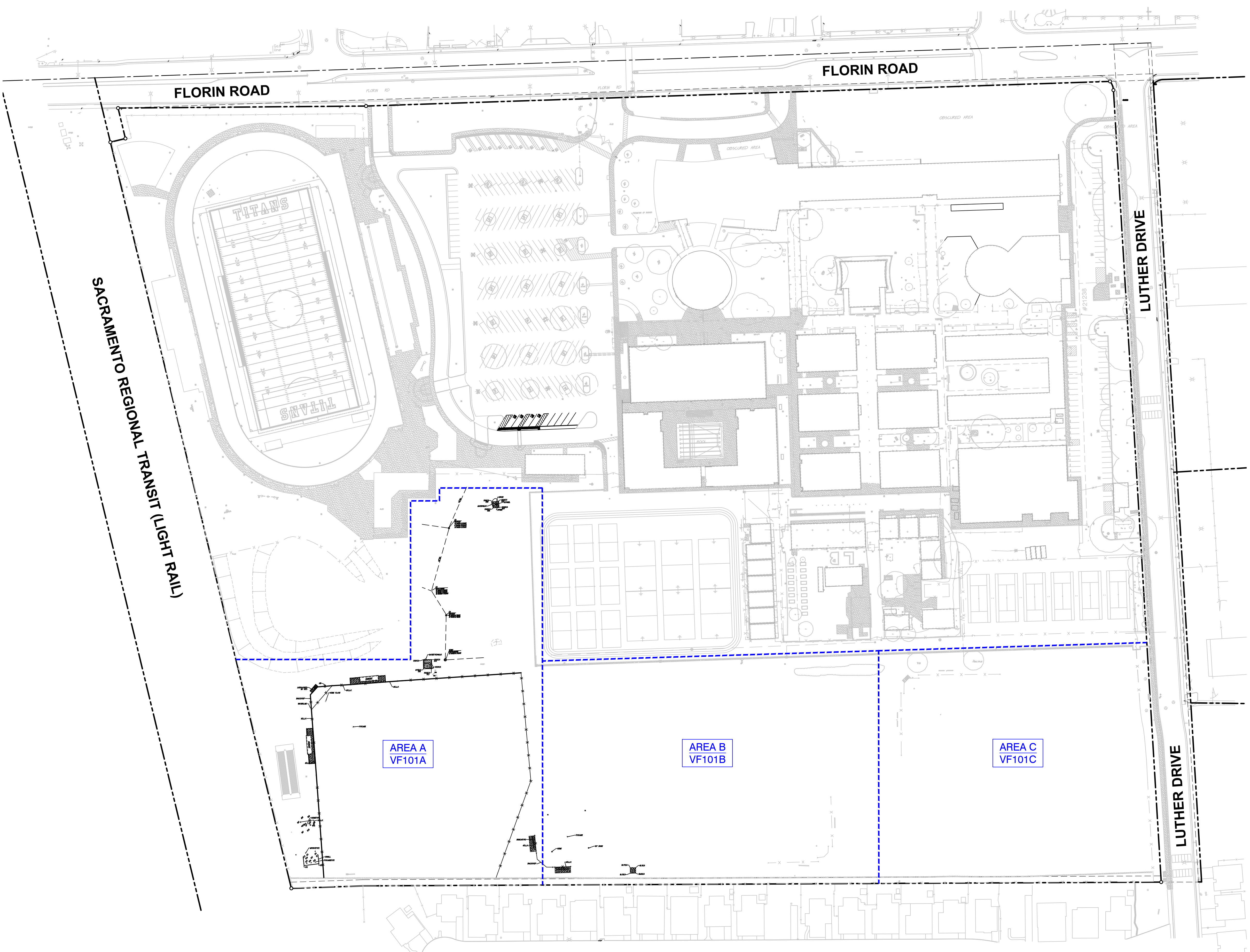
LIONAKIS PROJECT NO.	023041
DSA APPLICATION NO.	02-121593
CLIENT PROJECT NO.	####
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CIVIL COVER SHEET

SHEET
C101

PLOT DATE: 11/28/2023 8:20:10 AM FILE: I:\3-106\NLD\DWG\23-106-100-C101.DWG

0 1/4" = 10' - SCALE ACCORDINGLY
 IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY
 PLOT DATE: 11/27/2023 11:32:38 AM FILE: I:\23-106\CIVIL\DWG\23-106-101-VF101A-C.DWG



TBM LIST

PT	DESCRIPTION	NORTHING	EASTING	ELEV.	PT	DESCRIPTION	NORTHING	EASTING	ELEV.
1	CPS CHISELED "+"	5001.13	11493.11	17.30	123	CPS CHISELED "+"	5674.15	11067.82	16.58
10	CPF MAG NAIL	5000.87	11484.06	17.01	124	CPS CHISELED "+"	5584.15	11145.75	17.84
12	CPS CHISELED "+"	4935.89	11050.77	19.56	125	CPS CHISELED "+"	5515.09	11246.04	17.53
13	CPS CHISELED "+"	5809.98	11444.34	16.83	126	CPS CHISELED "+"	5180.21	11125.44	17.72
14	CPS CHISELED "+"	5060.06	11019.24	17.44	127	CPS CHISELED "+"	5520.80	10985.63	17.79
15	CPS CHISELED "+"	5243.89	10840.92	17.84	128	CPS CHISELED "+"	5322.00	11006.76	17.87
16	CPS CHISELED "+"	5235.96	10601.29	17.83	129	CPS CHISELED "+"	5375.79	10834.58	18.00
17	CPS CHISELED "+"	5529.18	11461.68	17.31	130	CPS CHISELED "+"	5415.27	11101.22	17.92
18	CPS CHISELED "+"	5174.18	10245.30	15.90	131	CPS CHISELED "+"	5433.00	11228.67	17.68
19	CPS CHISELED "+"	4981.52	11194.26	15.22	132	CPS CHISELED "+"	5383.58	10800.72	17.96
20	CPS CHISELED "+"	5507.08	11357.24	16.10	133	CPS CHISELED "+"	5357.66	10773.77	17.82
21	CPS CHISELED "+"	5131.31	11486.10	17.73	134	CPS CHISELED "+"	5357.69	10721.45	16.68
22	CPS CHISELED "+"	4958.19	10497.46	14.82	136	CPS CHISELED "+"	5796.15	10591.74	15.34
23	CPF CHISELED "+"	5627.32	10577.97	14.80	142	CPS CHISELED "+"	5308.68	10276.85	13.32
24	CPS REBAR W/ CAP	5136.48	9965.05	28.36	151	CPS CHISELED "+"	5862.92	10229.96	15.46
25	CPS CHISELED "+"	5789.48	10124.28	15.73	161	CPS MAG NAIL	5232.13	11116.71	17.68
26	CPS CHISELED "+"	5191.04	10143.68	15.31	164	CPS MAG NAIL	5243.36	11108.46	17.86
38	CPS CHISELED "+"	5495.57	10581.40	16.17	167	CPS CHISELED "+"	5306.65	11106.44	17.88
50	CPS RR SPIKE	5829.97	10573.75	14.70	170	CPS CHISELED "+"	5339.00	11104.94	17.88
53	CPS CHISELED "+"	5631.62	10547.52	15.32	185	CPS CHISELED "+"	5349.60	11290.57	17.81
56	CPS CHISELED "+"	5797.00	10869.08	17.64	190	CPS CHISELED "+"	5339.20	11125.75	17.80
59	CPS CHISELED "+"	5809.46	11313.27	17.77	202	CPS CHISELED "+"	5229.98	10873.33	17.88
65	CPF CHISELED "+"	5903.87	11379.00	16.14	204	CPS CHISELED "+"	5814.58	10492.11	15.04
73	CPS CHISELED "+"	5500.81	10750.69	17.89	269	CPS CHISELED "+"	5958.66	10041.57	15.59
74	CPS CHISELED "+"	5495.57	10581.40	16.17	270	CPS CHISELED "+"	6011.47	11440.02	17.68
75	CPS CHISELED "+"	5514.80	11099.23	17.93	274	CPS CHISELED "+"	5085.61	11057.27	17.87
76	CPS CHISELED "+"	5507.24	10871.32	17.89	275	CPS CHISELED "+"	5143.17	11006.86	17.30
79	CPS CHISELED "+"	5514.80	11099.23	17.93	281	CPS 1\2 RERAR	5912.16	11775.29	17.41
82	CPS RR SPIKE	5524.88	11320.68	17.05	438	CPS CHISELED "+"	5495.57	10581.40	16.17
101	CPS CHISELED "+"	5208.84	10203.29	15.44	479	CPS CHISELED "+"	5514.80	11099.23	17.93
102	CPS PICKER	4958.74	10365.30	15.33	922	CPS MAG NAIL	5825.13	9635.87	20.67
120	CPS CHISELED "+"	5369.12	10597.93	17.91	923	CPS MAG NAIL	5816.22	9700.78	21.00
121	CPS CHISELED "+"	5581.11	10817.82	16.02	925	CPS MAG NAIL	6259.53	8791.62	14.41
122	CPS CHISELED "+"	5164.81	11370.84	16.14					

ABBREVIATIONS

- NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.
- AC ASPHALTIC CONCRETE
 - ACC ACCESSIBLE
 - ACU AIR CONDITIONING UNIT
 - AD AREA DRAIN
 - APN ASSESSOR'S PARCEL NUMBER
 - ARV AIR RELEASE VALVE
 - BSM BALL BEARING
 - BCM BRASS CAP MONUMENT
 - BFF BACK FLOW PREVENTER
 - BL BUILDING
 - BOL BOLLARD
 - BOV BLOW-OFF VALVE
 - BR BRICK
 - B.W.F. BARBED WIRE FENCE
 - CA CENTERLINE
 - CATY CABLE TELEVISION
 - CIP CAPPED IRON PIPE
 - CLF CHAIN LINK FENCE
 - CMF CORRUGATED METAL PIPE
 - CO COLUMN
 - COL CONCRETE
 - CONC. CONCRETE
 - COND. CONDENSATE
 - CPF CONTROL POINT FOUND
 - CPS CONTROL POINT SET
 - CS CONCRETE SURFACE
 - CS CONCRETE SURFACE
 - DETR DETRITUS
 - DDC DOUBLE DETECTOR CHECK VALVE
 - DF DRINKING FOUNTAIN
 - DG DECOMPOSED GRANITE
 - DI DROP INLET
 - DIA DIAMETER
 - DRWY DRIVEWAY
 - DS DOWNPOUT
 - DWG DRAWING
 - EP EDGE OF PAVEMENT
 - ESMT EASEMENT
 - EV ELECTRICAL VAULT
 - FA FIRE ALARM
 - FB FIRE BOX
 - FDC FIRE DEPARTMENT CONNECTION
 - FPE FINISHED FLOOR ELEVATION
 - FH FIRE HYDRANT
 - FL FLOWLINE
 - FO FIBER OPTIC
 - FR FLAGPOLE
 - F5 FIRE SERVICE
 - GD GRADE BREAK
 - GR GRATE
 - GRB GROUND ROD BOX
 - GROD GROUND ROD
 - GST GATE STOP
 - GV GAS VALVE
 - HD HOSE BIBB
 - HBD HEADER BOARD
 - HP HIGH PRESSURE
 - HR HANDRAIL
 - HVE HIGH VOLTAGE ELECTRIC
 - HWF HIGH WIRE FENCE
 - ICV IN CONCRETE
 - IRR IRRIGATION CONTROL VALVE
 - IP PIPE INVERT ELEVATION
 - IRK IRRIGATION
 - JT JOINT UTILITY POLE
 - JT LANDING
 - LVE LOW VOLTAGE ELECTRIC
 - MH METAL MANHOLE
 - MS MOW STRIP
 - MSC METAL STORAGE CONTAINER
 - NET NET SCALE
 - OH OVERHEAD
 - OHANG OVERHANG
 - OP OPEN PIPE
 - OPH OLD STEEL POST HOLE
 - PL PLANTER AREA
 - PD PARKING BUMPER
 - PH POSTHOLE
 - PIV POST INDICATOR VALVE
 - PP POWER POLE
 - PREG PARKING
 - PUE PUBLIC UTILITY EASEMENT
 - PV PAVERS
 - PVC POLYVINYL CHLORIDE
 - RUBBER RUBBER
 - RIM MANHOLE RIM ELEVATION
 - ROW RIGHT OF WAY
 - RP REDUCED PRESSURE BACKFLOW ASBLY.
 - RWALL RETAINING WALL
 - RWL RAIN WATER LEADER
 - SB SIGNAL BOX
 - SD STORM DRAIN
 - SDH STORM DRAIN MANHOLE
 - SIG SIGNAL
 - SIL STREET LIGHT
 - SLS STREET LIGHT BOX
 - SA SANITARY SEWER
 - SCO SANITARY SEWER CLEANOUT
 - SMH SANITARY SEWER MANHOLE
 - STL STEEL
 - TEL TELEPHONE
 - TBALL TETHER BALL POLE
 - TBM TEMPORARY BENCHMARK
 - TO TOP OF CURB
 - TOW TOP OF WALL
 - TRW TELEPHONE POLE
 - UG TOP OF RETAINING WALL
 - UNK UNDERGROUND
 - VENT UNKNOWN VENT
 - WATER WITH
 - W/O WITHOUT
 - WD WOOD
 - WLF WROUGHT IRON FENCE
 - WRF WOOD RAIL FENCE
 - TRF TRANSFORMER
 - XWALK CROSSWALK

EXISTING TOPOGRAPHY

- PROPERTY LINE
- CENTERLINE
- EASEMENT
- PROPERTY CORNER FOUND AS NOTED
- PROPERTY CORNER NOT FOUND OR SET
- △ TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- SWALE OR DRAINAGE FLOW
- DRAINAGE FLOW
- FENCE (TYPE NOTED)
- TREE (SIZE/TYPE INDICATED)
- SLOPE
- CONTOUR
- CONCRETE SURFACE
- EDGE OF ASPHALT
- EDGE OF BUILDING
- SIGN
- POST OR BOLLARD
- GROUND ELEVATION
- HARD SURFACE ELEVATION

EXISTING UTILITIES

- 12" SD STORM DRAIN LINE (SIZE + DIRECTION OF FLOW)
- 12" SD STORM DRAIN LINE (RECORD INFORMATION)
- 12" SD STORM DRAIN LINE (UNDERGROUND LOCATING)
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT
- DROP INLET
- RAIN WATER LEADER
- DS DOWNPOUT
- 12" SS SANITARY SEWER LINE (SIZE + DIRECTION OF FLOW)
- 12" SS SANITARY SEWER LINE (RECORD INFORMATION)
- 12" SS SANITARY SEWER LINE (UNDERGROUND LOCATING)
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- W- WATER LINE (SIZE INDICATED)
- W- WATER LINE (RECORD INFORMATION)
- W- WATER LINE (UNDERGROUND LOCATING)
- WATER MANHOLE
- WATER VALVE
- WATER METER
- WATER BOX
- IRRIGATION CONTROL VALVE
- FIRE HYDRANT
- BACKFLOW PREVENTER
- SPRINKLER
- HOSE BIBB
- OH-E OVERHEAD ELECTRIC LINE
- E UNDERGROUND ELECTRIC LINE
- E UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- E UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- ELECTRIC MANHOLE
- UTILITY POLE (WITH GUY WIRE)
- ELECTRIC METER
- ELECTRIC BOX
- STREET LIGHTING BOX
- OR X LIGHT STANDARD
- SIGNAL LIGHT
- FLOOD LIGHT
- ELECTRICAL OUTLET
- G GAS LINE (SIZE INDICATED)
- G GAS LINE (RECORD INFORMATION)
- G GAS LINE (UNDERGROUND LOCATING)
- GAS MANHOLE
- GAS VALVE
- GAS METER
- T TELEPHONE LINE
- T TELEPHONE LINE (RECORD INFORMATION)
- T TELEPHONE LINE (UNDERGROUND LOCATING)
- STORM DRAIN BOX
- TRAFFIC SIGNAL BOX

BASIS OF BEARING

IDENTICAL TO R.S. BOOK 16 BOOK 29.

NOTE:

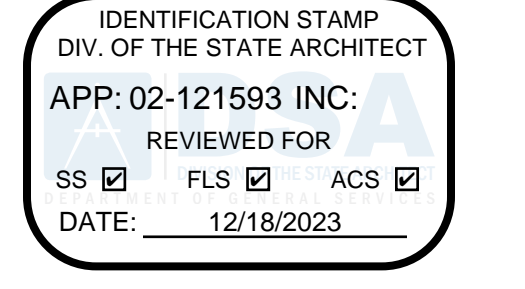
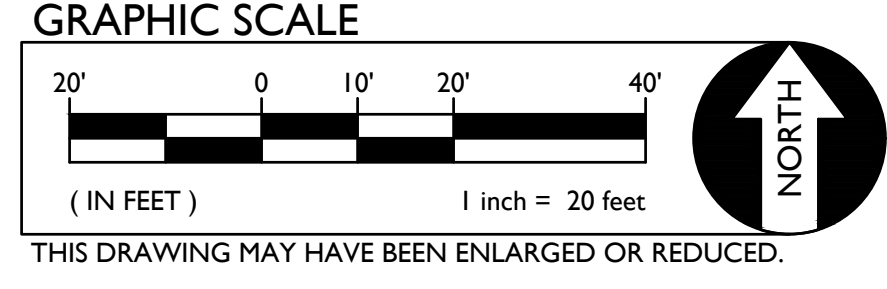
EXISTING UTILITIES BASED ON VISIBLE SURFACE STRUCTURES AND RECORD INFORMATION.

FEMA INFORMATION

THE SUBJECT PROPERTY IS LOCATED IN "ZONE X (SHADED)"--AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD PER FLOOD INSURANCE RATE MAP 06067C0302H DATED AUGUST 16, 2012

A.P.N.	049-0010-089
BENCHMARK NO.	337-G1A
ELEV.	17.975

HILLI NAIL LIGHT BASE SE CORNER FLORIN ROAD AND MUNSON WAY.



LIONAKIS

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 Sacramento, CA 95818
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 www.lionakis.com



CONSULTANT
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 WARREN CONSULTING ENGINEERS, INC.
 1117 WINDFIELD WAY, SUITE 110
 EL CORONADO HILLS, CA 91731 (916) 985-1870

PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

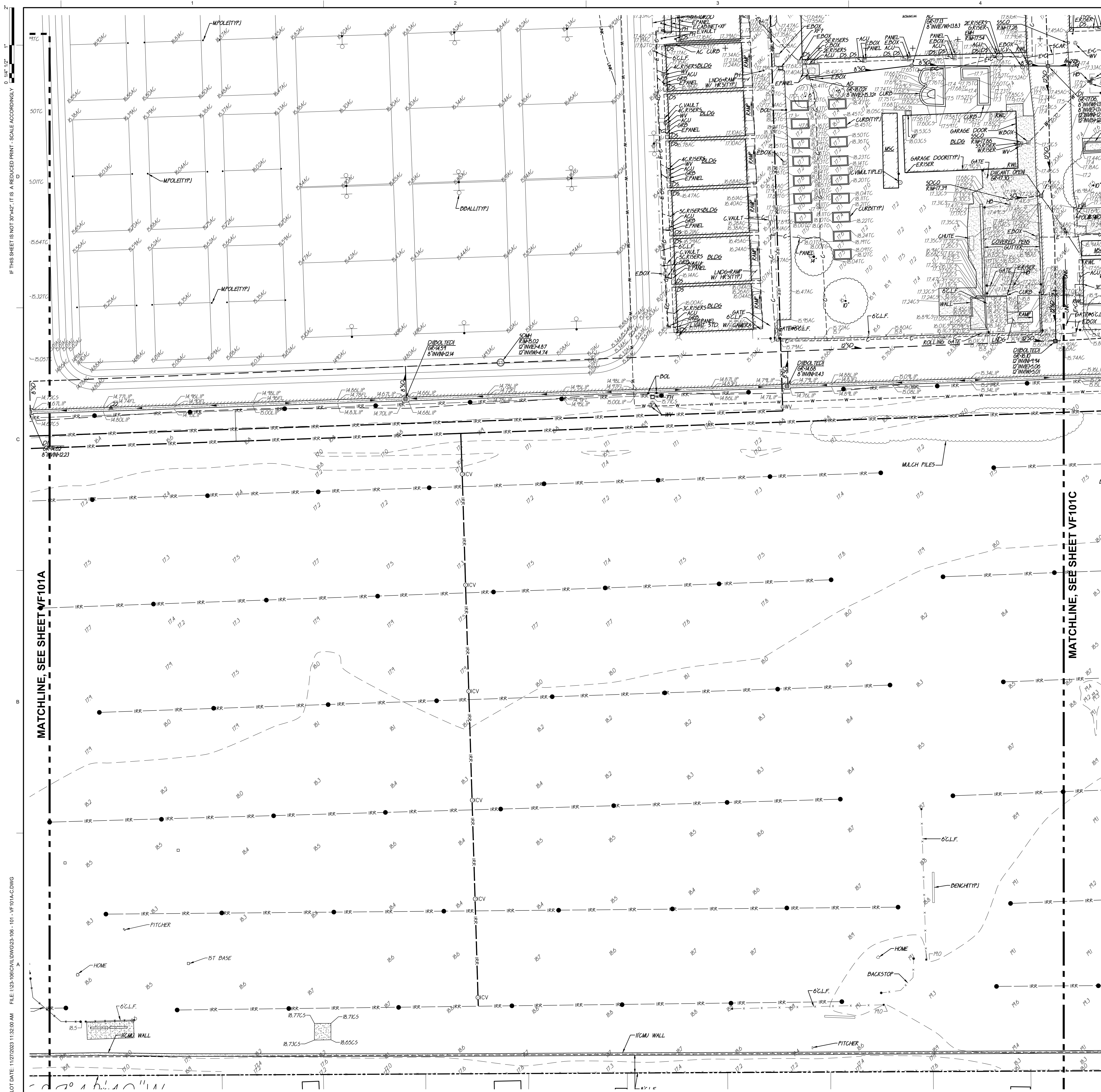
CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED	MARK	DATE	DESCRIPTION
-	-	8.10.2023	DSA SUBMITTAL
-	-	10.16.2023	DSA BACKCHECK

MANAGEMENT
 LIONAKIS PROJECT NO. 023041
 DSA APPLICATION NO. 02-121593
 CLIENT PROJECT NO. #####
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TITLE
**SURVEY INFORMATION
 SHEET**

SHEET
VF001



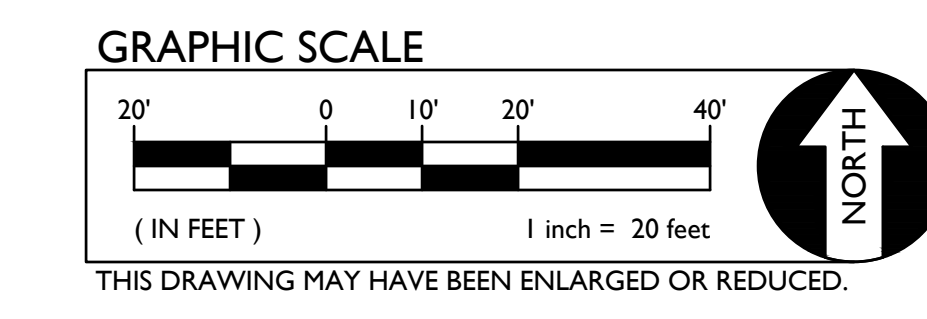
EXISTING UTILITIES

- 12" SD — STORM DRAIN LINE (SIZE + DIRECTION OF FLOW)
- 12" SD — STORM DRAIN LINE RECORD INFORMATION
- 12" SD — STORM DRAIN LINE UNDERGROUND LOCATING
- ⊙ — STORM DRAIN MANHOLE
- — STORM DRAIN CLEANOUT
- — DROP INLET
- — AREA DRAIN
- — R.W.L. — RAIN WATER LEADER
- — DS — DOWNSPOUT
- 12" SS — SANITARY SEWER LINE (SIZE + DIRECTION OF FLOW)
- 12" SS — SANITARY SEWER LINE RECORD INFORMATION
- 12" SS — SANITARY SEWER LINE UNDERGROUND LOCATING
- ⊙ — SANITARY SEWER MANHOLE
- — SANITARY SEWER CLEANOUT
- W — WATER LINE (SIZE INDICATED)
- W — WATER LINE RECORD INFORMATION
- W — WATER LINE UNDERGROUND LOCATING
- ⊙ — WATER MANHOLE
- ⊙ — WATER VALVE
- ⊙ — WATER METER
- ⊙ — WATER BOX
- ⊙ — IRRIGATION CONTROL VALVE
- ⊙ — FIRE HYDRANT
- ⊙ — BACKFLOW PREVENTER
- ⊙ — SPRINKLER
- ⊙ — HOSE DIBB
- OH-E — OVERHEAD ELECTRIC LINE
- E — UNDERGROUND ELECTRIC LINE
- E — UNDERGROUND ELECTRIC LINE RECORD INFORMATION
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- ⊙ — GAS VALVE
- ⊙ — GAS METER
- T — TELEPHONE LINE
- T — TELEPHONE LINE RECORD INFORMATION
- T — TELEPHONE LINE UNDERGROUND LOCATING
- ⊙ — STORM DRAIN BOX
- ⊙ — TRAFFIC SIGNAL BOX

EXISTING TOPOGRAPHY

- — — — — PROPERTY LINE
- — — — — CENTERLINE
- — — — — EASEMENT
- ⊙ — PROPERTY CORNER FOUND AS NOTED
- ⊙ — PROPERTY CORNER NOTHING FOUND OR SET
- ⊙ — TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- ⊙ — SWALE OR DRAINAGE FLOW
- — — — — DRAINAGE FLOW
- — — — — FENCE (TYPE NOTED)
- ⊙ — TREE (SIZE/TYPE INDICATED)
- — — — — SLOPE
- — — — — CONTOUR
- — — — — CONCRETE SURFACE
- — — — — EDGE OF ASPHALT
- — — — — EDGE OF BUILDING
- ⊙ — SIGN
- ⊙ — POST OR POLLARD
- ⊙ — GROUND ELEVATION
- ⊙ — HARD SURFACE ELEVATION

SEE SHEET VF001 FOR ABBREVIATIONS BENCHMARKS AND GENERAL NOTES



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121593 INC.
REVIEWED FOR
SS FLS ACS
DATE: 12/18/2023

LIONAKIS

2025 Ninth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT
WC
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL CERRILLO HILLS, CA 95701 (916) 965-1870

SEAL

PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

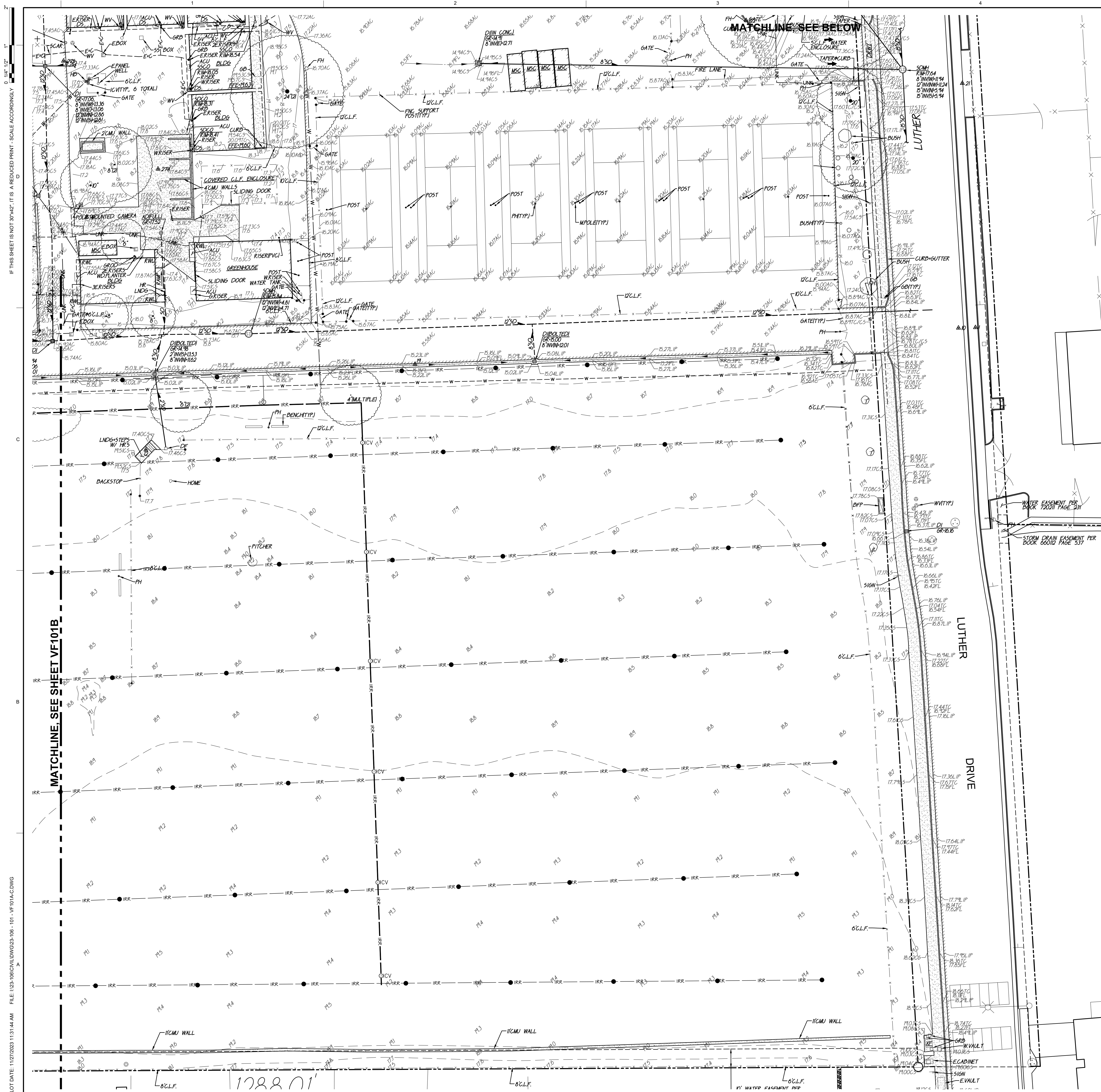
MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
-	10.16.2023	DSA BACKCHECK

MANAGEMENT	
LIONAKIS PROJECT NO.	023041
DSA APPLICATION NO.	02-121593
CLIENT PROJECT NO.	####
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TITLE
**PARTIAL TOPOGRAPHIC
SURVEY**

AREA B

SHEET
VF101B



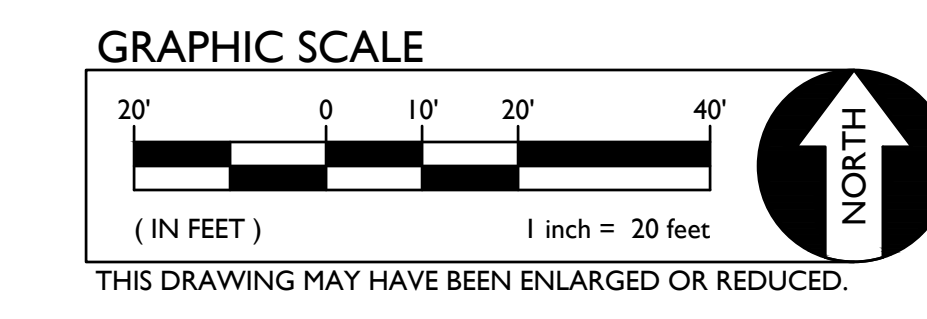
EXISTING UTILITIES

- 12" — STORM DRAIN LINE (SIZE + DIRECTION OF FLOW)
- 12" — STORM DRAIN LINE (RECORD INFORMATION)
- 12" — STORM DRAIN LINE (UNDERGROUND LOCATING)
- — STORM DRAIN MANHOLE
- — STORM DRAIN CLEANOUT
- — DROP INLET
- — AREA DRAIN
- — RAIN WATER LEADER
- — DOWNSPOUT
- 12" — SANITARY SEWER LINE (SIZE + DIRECTION OF FLOW)
- 12" — SANITARY SEWER LINE (RECORD INFORMATION)
- 12" — SANITARY SEWER LINE (UNDERGROUND LOCATING)
- — SANITARY SEWER MANHOLE
- — SANITARY SEWER CLEANOUT
- W — WATER LINE (SIZE INDICATED)
- W — WATER LINE (RECORD INFORMATION)
- W — WATER LINE (UNDERGROUND LOCATING)
- — WATER MANHOLE
- — WATER VALVE
- — WATER METER
- — WATER BOX
- — IRRIGATION CONTROL VALVE
- — FIRE HYDRANT
- — BACKFLOW PREVENTER
- — SPRINKLER
- — HOSE DIBB
- OH-E — OVERHEAD ELECTRIC LINE
- E — UNDERGROUND ELECTRIC LINE
- E — UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- E — UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- — ELECTRIC MANHOLE
- — UTILITY POLE (WITH GUY WIRE)
- — ELECTRIC METER
- — ELECTRIC BOX
- — STREET LIGHTING BOX
- — LIGHT STANDARD
- — SIGNAL LIGHT
- — FLOOD LIGHT
- — ELECTRICAL OUTLET
- G — GAS LINE (SIZE INDICATED)
- G — GAS LINE (RECORD INFORMATION)
- G — GAS LINE (UNDERGROUND LOCATING)
- — GAS MANHOLE
- — GAS VALVE
- — GAS METER
- T — TELEPHONE LINE
- T — TELEPHONE LINE (RECORD INFORMATION)
- T — TELEPHONE LINE (UNDERGROUND LOCATING)
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EXISTING TOPOGRAPHY

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SEE SHEET VF001 FOR ABBREVIATIONS BENCHMARKS AND GENERAL NOTES



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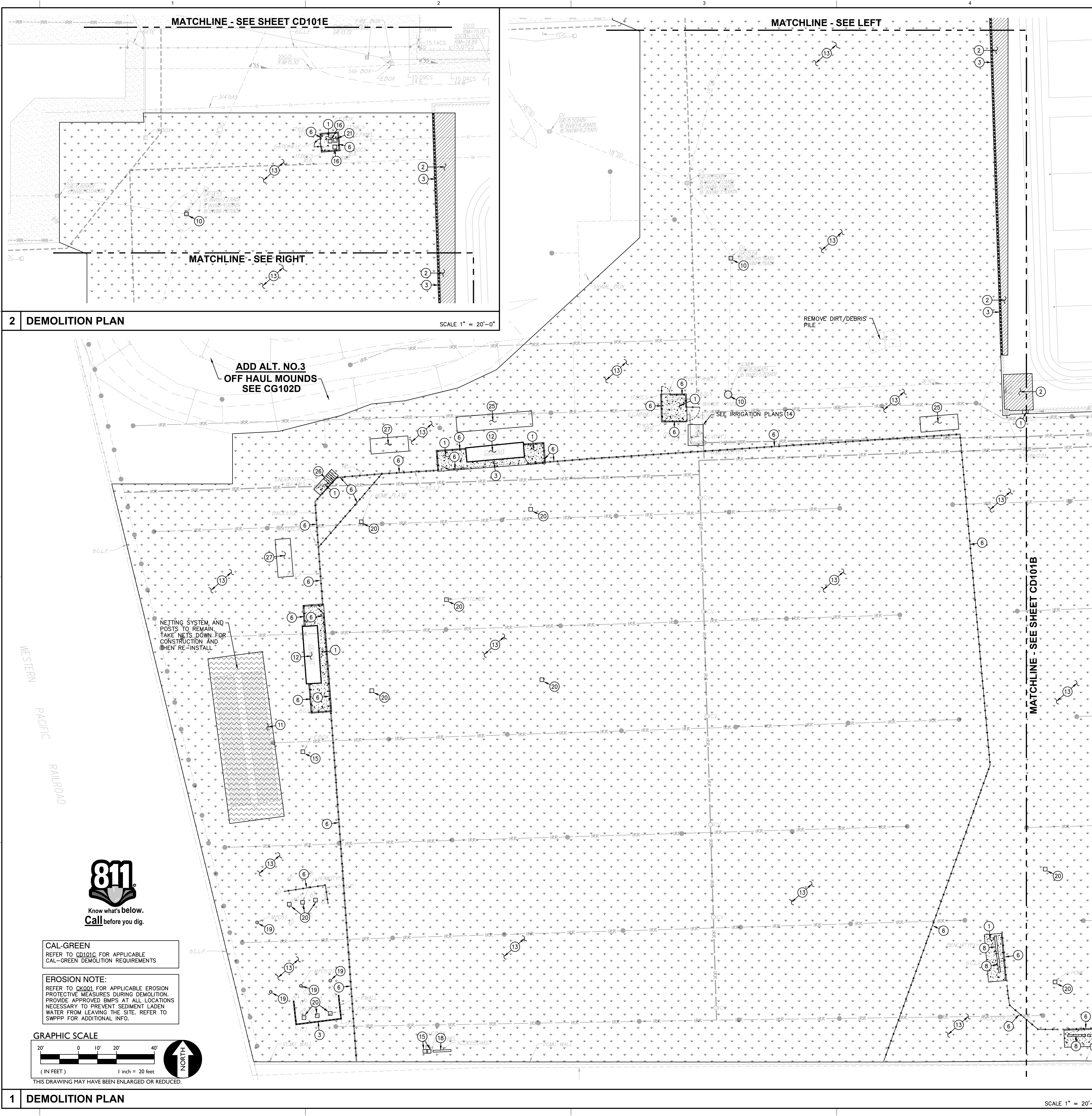
TITLE
**PARTIAL TOPOGRAPHIC
SURVEY**

AREA C

SHEET

VF101C

IF THIS SHEET IS NOT 36"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY
 0 10' 20' 40'
 1" = 20'
 WESTERN PACIFIC RAILROAD
 811 Know what's below. Call before you dig.
 CAL-GREEN REFER TO CD101C FOR APPLICABLE CAL-GREEN DEMOLITION REQUIREMENTS
 EROSION NOTE: REFER TO CD001 FOR APPLICABLE EROSION PROTECTIVE MEASURES DURING DEMOLITION. PROVIDE APPROVED BMPs AT ALL LOCATIONS NECESSARY TO PREVENT SEDIMENT LOADING WATER FROM LEAVING THE SITE. REFER TO SWPPP FOR ADDITIONAL INFO.
 GRAPHIC SCALE
 20' 0 10' 20' 40'
 1" = 20'
 NORTH
 THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.
 1 DEMOLITION PLAN
 SCALE 1" = 20'-0"



- DEMOLITION GENERAL NOTES**
1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
 2. NO BURNING OR BLASTING SHALL BE PERMITTED.
 3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
 4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
 5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
 6. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.
 7. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
 8. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REINSTALLED AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
 9. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
 10. CONTRACTOR SHALL COMPLY WITH CHAPTER 33 OF THE 2022 CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AT ALL TIMES DURING CONSTRUCTION.
 11. CONTRACTOR SHALL HIRE A UTILITY LOCATING COMPANY AND SHALL SCAN THE ENTIRE AREA WITHIN THE LIMITS OF NEW WORK. ALL UTILITIES LOCATED SHALL BE MARKED AND PROTECTED DURING THE LING OPERATIONS AS WELL AS ANY EXCAVATING TASKS. ANY LOCATED UTILITY DAMAGED WITHIN THE LIMITS OF WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
 12. ALL DEMOLITION SHALL BE APPROPRIATELY SUPPORTED AND REINFORCED DURING REMOVAL TO PREVENT INJURY FROM FALLING, PROJECTILE, OR OTHERWISE MOVING DEBRIS OR OTHER DELETERIOUS MATERIAL. ONSITE SAFETY WITHIN THE LIMITS OF WORK IS THE CONTRACTORS SOLE RESPONSIBILITY.

- DEMOLITION NOTES**
- AND/OR LEGEND
1. REMOVE EXISTING CONCRETE PAVING AND BASE AGGREGATES (IF EXIST). WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.
 2. SAWCUT AND REMOVE EXISTING ASPHALT PAVING AND BASE AGGREGATE TO PROVIDE FOR NEW CONSTRUCTION. SAWCUTS SHALL BE NEAT AND STRAIGHT. MAINTAIN A STRAIGHT CUT EDGE UNTIL NEW PAVING PLACED, OR NEW CUTS WILL BE REQUIRED.
 3. REMOVE EXISTING CONCRETE CURB/CURB GUTTER.
 4. REMOVE EXISTING TREE AND ROOTS. IF SMALL ROOTS OR ROOT FRAGMENTS REMAIN (>1/2" IN DIA.), CONTRACTOR TO REMOVE BY HAND IF NECESSARY. BACKFILL VOID PER GRADING SPECIFICATIONS. IT IS HIGHLY RECOMMENDED WET AND DRY UTILITIES BE READY TO SHUTOFF SHOULD A ROOT DAMAGE A LINE DURING TREE REMOVAL.
 5. EXISTING TREE TO REMAIN AND BE PROTECTED FROM DAMAGE. PROVIDE PROTECTIVE FENCING IF NEEDED. WHEN IMMEDIATELY ADJACENT TO EQUIPMENT TRAFFIC, STRAP 2x4'S VERTICALLY AT 8' O.C. AROUND TRUNK, FROM 12" ABOVE GRADE TO 6' FEET ABOVE GRADE TO PROTECT TREE BARK FROM EQUIPMENT DAMAGE.
 6. REMOVE EXISTING FENCING AND OR GATES AS SHOWN. REMOVAL TO INCLUDE ALL POSTS AND CONCRETE BASES. BACKFILL WITH CLASS II AB IN 6" LIFTS, EACH COMPACTED TO 95%. FENCE TYPES MAY VARY.
 7. REMOVE AND DISPOSE OF EXISTING CONCRETE WHEEL STOP. WHEEL STOPS IN GOOD CONDITION WITH NO CHIPS OR CRACKS MAY BE SALVAGED AND RE-USED.
 8. REMOVE EXISTING BENCHES OR TABLE TO INCLUDE CONCRETE FOOTINGS. BACKFILL WITH CLASS II AB IN 6" LIFTS, EACH COMPACTED TO 95%.
 9. PAINT EXISTING STRIPING BLACK WITH MIN. 2 COATS COMMERCIAL GRADE BLACK TRAFFIC PAINT.
 10. REMOVE EXISTING DRAIN INLET/MANHOLE. SEE UTILITY DEMOLITION PLAN FOR ADDITIONAL INFORMATION.
 11. REMOVE EXISTING SYNTHETIC TURF. REMOVE NAILERS AND ANY WOOD OR CONCRETE CURBS. SEE PAVING PLAN CP101A, AND LANDSCAPE PLANS FOR NEW.
 12. DISCONNECT, DISMANTLE AND REMOVE EXISTING DUGGOUT STRUCTURE TO INCLUDE ALL STRUCTURE, WALLS, SLABS AND FOUNDATIONS.
 13. REMOVE ALL PLANTS, SHRUBS, EXISTING VEGETATION, INFIELD MIX AND OTHER LANDSCAPE TYPE SURFACING. REFER TO EARTHWORK SPECIFICATIONS FOR ADDITIONAL SITE CLEARING REQUIREMENTS. SEE LANDSCAPE PLANS FOR IRRIGATION DEMOLITION AND INSTALLATION. SEE GENERAL IRRIGATION NOTE, THIS SHEET.
 14. REMOVE EXISTING IRRIGATION VALVES, LINES WIRES, ETC. REFER TO LANDSCAPE AND IRRIGATION PLANS FOR ADDITIONAL INFO.
 15. REMOVE EXISTING UTILITY VAULT/BOX. PROTECT UTILITIES FROM DAMAGE. PROVIDE NEW AND ADJUST TO FINISHED GRADE. SEE GRADING PLAN AND UTILITY PLANS FOR ADDITIONAL INFO.
 16. REMOVE EXISTING UTILITY BOX. DISCONNECT AND REMOVE ASSOCIATED UTILITIES. SEE UTILITY PLANS FOR ADDITIONAL INFO.
 17. SAWCUT AND REMOVE EXISTING ASPHALT PAVING, LEAVE EXISTING BASE ROCK.
 18. REMOVE EXISTING SCOREBOARD TO INCLUDE FOOTINGS.
 19. REMOVE EXISTING METAL POST TO INCLUDE CONCRETE FOOTINGS.
 20. REMOVE EXISTING BASES AND PITCHING MOUNDS AND ANY CONCRETE FOOTINGS. DISTRICT MAY SALVAGE, SEE GENERAL NOTE 7.
 21. REMOVE EXISTING ELECTRICAL PANEL. REMOVE CONDUITS BACK TO SERVICE POINT OR NEAREST UTILITY BOX TO REMAIN. COIL WIRES AND LEAVE IN BOX. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
 22. REMOVE EXISTING SIGN TO INCLUDE POST AND CONCRETE BASE.
 23. EXISTING BENCHES TO REMAIN, PROTECT FROM DAMAGE.
 24. REMOVE EXISTING TENNIS COURT POST AND NET ANCHORS AND CONCRETE BASES. BACKFILL WITH CLASS II AB COMPACTED TO 95% UP TO SUBGRADE OR EXISTING AB SURFACE.
 25. EXISTING STORAGE CONTAINER TO BE RELOCATED. SEE ARCH. PLANS. LOCATION SHALL COMPLY WITH GENERAL NOTES ON SHEET CD101B AND DSA IR A-27.
 26. REMOVE EXISTING STEPS AND RAILINGS.
 27. REMOVE EXISTING BLEACHERS.

IDENTIFICATION STAMP
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LIONAKIS
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 P 916.558.1900
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CONSULTANT
WC
 WARREN CONSULTING ENGINEERS, INC.
 1177 WINDFELDER WAY, SUITE 110
 EL CERRILLO HILLS, CA 95701 (916) 988-9170

REGISTERED PROFESSIONAL ENGINEER
 ANTHONY J. TASSANO
 No. 014586
 State of California
 10/20/2023

PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
-	12/01/2023	DSA APPROVAL

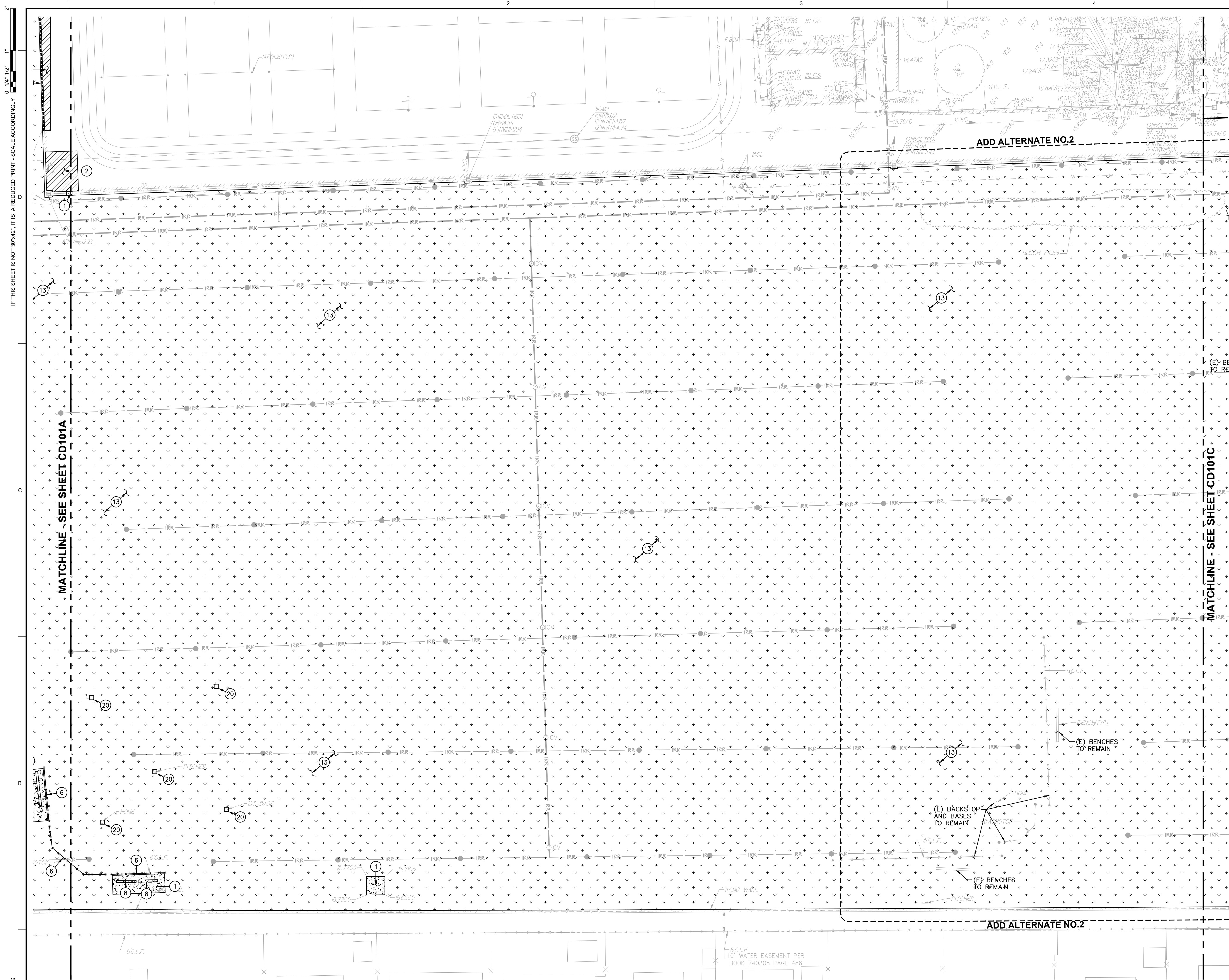
MANAGEMENT

LIONAKIS PROJECT NO.	023041
DSA APPLICATION NO.	02-121593
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TITLE
**SURFACE DEMOLITION
 PLAN**

AREA A

SHEET
CD101A



- ### DEMOLITION GENERAL NOTES
1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
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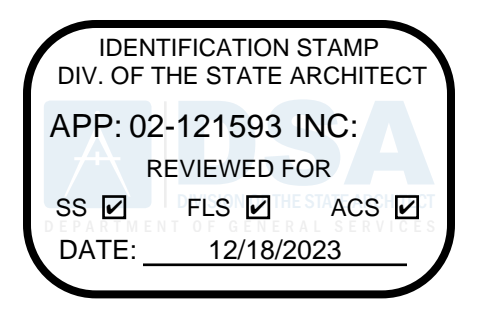
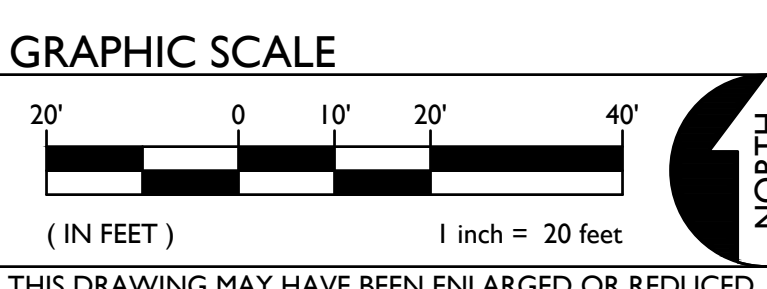
- ### DEMOLITION NOTES
- | AND/OR LEGEND | DEMOLITION NOTES |
|---------------|--|
| | 1. REMOVE EXISTING CONCRETE PAVING AND BASE AGGREGATES (IF EXIST). WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN. |
| | 2. SAWCUT AND REMOVE EXISTING ASPHALT PAVING AND BASE AGGREGATE TO PROVIDE FOR NEW CONSTRUCTION. SAWCUTS SHALL BE NEAT AND STRAIGHT. MAINTAIN CLEAN STRAIGHT CUT EDGE UNTIL NEW PAVING PLACED, OR NEW CUTS WILL BE REQUIRED. |
| | 3. REMOVE EXISTING CONCRETE CURB/CURB GUTTER. |
| | 4. REMOVE EXISTING TREE AND ROOTS. IF SMALL ROOTS OR ROOT FRAGMENTS REMAIN (>1/2" IN DIA.), CONTRACTOR TO REMOVE BY HAND IF NECESSARY. BACKFILL VOID PER GRADING SPECIFICATIONS. IT IS HIGHLY RECOMMENDED WET AND DRY UTILITIES BE READY TO SHUTOFF SHOULD A ROOT DAMAGE A LINE DURING TREE REMOVAL. |
| | 5. EXISTING TREE TO REMAIN AND BE PROTECTED FROM DAMAGE. PROVIDE PROTECTIVE FENCING IF NEEDED. WHEN IMMEDIATELY ADJACENT TO EQUIPMENT TRAFFIC, STRAP 2x4'S VERTICALLY AT 8" O.C. AROUND TRUNK, FROM 12" ABOVE GRADE TO 6' FEET ABOVE GRADE TO PROTECT TREE BARK FROM EQUIPMENT DAMAGE. |
| | 6. REMOVE EXISTING FENCING AND OR GATES AS SHOWN. REMOVAL TO INCLUDE ALL POSTS AND CONCRETE BASES. BACKFILL WITH CLASS II AB IN 6" LIFTS, EACH COMPACTED TO 95%. FENCE TYPES MAY VARY. |
| | 7. REMOVE AND DISPOSE OF EXISTING CONCRETE WHEEL STOP. WHEEL STOPS IN GOOD CONDITION WITH NO CHIPS OR CRACKS MAY BE SALVAGED AND RE-USED. |
| | 8. REMOVE EXISTING BENCHES OR TABLE TO INCLUDE CONCRETE FOOTINGS. BACKFILL WITH CLASS II AB IN 6" LIFTS, EACH COMPACTED TO 95%. |
| | 9. PAINT EXISTING STRIPING BLACK WITH MIN. 2 COATS COMMERCIAL GRADE BLACK TRAFFIC PAINT. |
| | 10. REMOVE EXISTING DRAIN INLET/MANHOLE. SEE UTILITY DEMOLITION PLAN FOR ADDITIONAL INFORMATION. |
| | 11. REMOVE EXISTING SYNTHETIC TURF. REMOVE NAILERS AND ANY WOOD OR CONCRETE CURBS. SEE PAVING PLAN CP101A, AND LANDSCAPE PLANS FOR NEW. |
| | 12. DISCONNECT, DISMANTLE AND REMOVE EXISTING DUGGOUT STRUCTURE TO INCLUDE ALL STRUCTURE, WALLS, SLABS AND FOUNDATIONS. |
| | 13. REMOVE ALL PLANTS, SHRUBS, EXISTING VEGETATION, INFIELD TREES AND OTHER LANDSCAPE TYPE SUBSCAPING. REFER TO EARTHWORK SPECIFICATIONS FOR ADDITIONAL SITE CLEARING REQUIREMENTS. SEE LANDSCAPE PLANS FOR IRRIGATION DEMOLITION AND INSTALLATION. SEE GENERAL IRRIGATION NOTE, THIS SHEET. |
| | 14. REMOVE EXISTING IRRIGATION VALVES, LINES WIRES, ETC. REFER TO LANDSCAPE AND IRRIGATION PLANS FOR ADDITIONAL INFO. |
| | 15. REMOVE EXISTING UTILITY VAULT/BOX. PROTECT UTILITIES FROM DAMAGE. PROVIDE NEW AND ADJUST TO FINISHED GRADE. SEE GRADING PLAN AND UTILITY PLANS FOR ADDITIONAL INFO. |
| | 16. REMOVE EXISTING UTILITY BOX. DISCONNECT AND REMOVE ASSOCIATED UTILITIES. SEE UTILITY PLANS FOR ADDITIONAL INFO. |
| | 17. SAWCUT AND REMOVE EXISTING ASPHALT PAVING, LEAVE EXISTING BASE ROCK. |
| | 18. REMOVE EXISTING SCOREBOARD TO INCLUDE FOOTINGS. |
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| | 20. REMOVE EXISTING BASES AND PITCHING MOUNDS AND ANY CONCRETE FOOTINGS. DISTRICT MAY SALVAGE, SEE GENERAL NOTE 7. |
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| | 25. EXISTING STORAGE CONTAINER TO BE RELOCATED. SEE ARCH. PLANS. LOCATION SHALL COMPLY WITH GENERAL NOTES ON SHEET CD101B AND DSA IR A-27. |
| | 26. REMOVE EXISTING STEPS AND RAILINGS. |
| | 27. REMOVE EXISTING BLEACHERS. |

Storage Container Use and Placement Limitations

1. The maximum size is 10' wide by 60' long.
2. The maximum height is 10'.
3. They are not used to store hazardous materials exceeding the exempted quantities as indicated on California Building Code (CBC) Tables 307.1(1) and 307.1(2). The school district is responsible for contacting the local regulating authority regarding any necessary storage and use permits.
4. They are not stacked upon each other or elevated by a substructure.
5. They are placed directly on even grade (not sloping more than 1/4:12) and at a distance of five feet or more away from the top of any descending inclination having slope greater than 1:12.
6. They are not placed in fire access lanes.
7. They are maintained to ensure their structural integrity is not compromised.
8. They are not modified by the addition of doors or windows.
9. They are located a minimum of 20 feet from any building.
10. They shall not be placed within any building's required side yard setback.
11. They shall be placed a minimum of five feet from property lines adjoining commercial, industrial or residential zoned property.
12. They may have a zero-foot setback at property lines, adjoining streets or public right-of-ways.

CAL-GREEN
REFER TO CD101C FOR APPLICABLE
CAL-GREEN DEMOLITION REQUIREMENTS

EROSION NOTE:
REFER TO CK001 FOR APPLICABLE EROSION
PROTECTIVE MEASURES DURING DEMOLITION.
PROVIDE APPROVED BMPs AT ALL LOCATIONS
NECESSARY TO PREVENT SEDIMENT LADEN
WATER FROM LEAVING THE SITE. REFER TO
SWPPP FOR ADDITIONAL INFO.



LIONAKIS
2025 Nineteenth Street
Sacramento, CA 95818
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CONSULTANT
WC
WARREN CONSULTING ENGINEERS, INC.
117 WINDFIELD WAY, SUITE 110
EL CERRILLO HILLS, CA 95701 (916) 948-9170

PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
-	12/01/2023	DSA APPROVAL

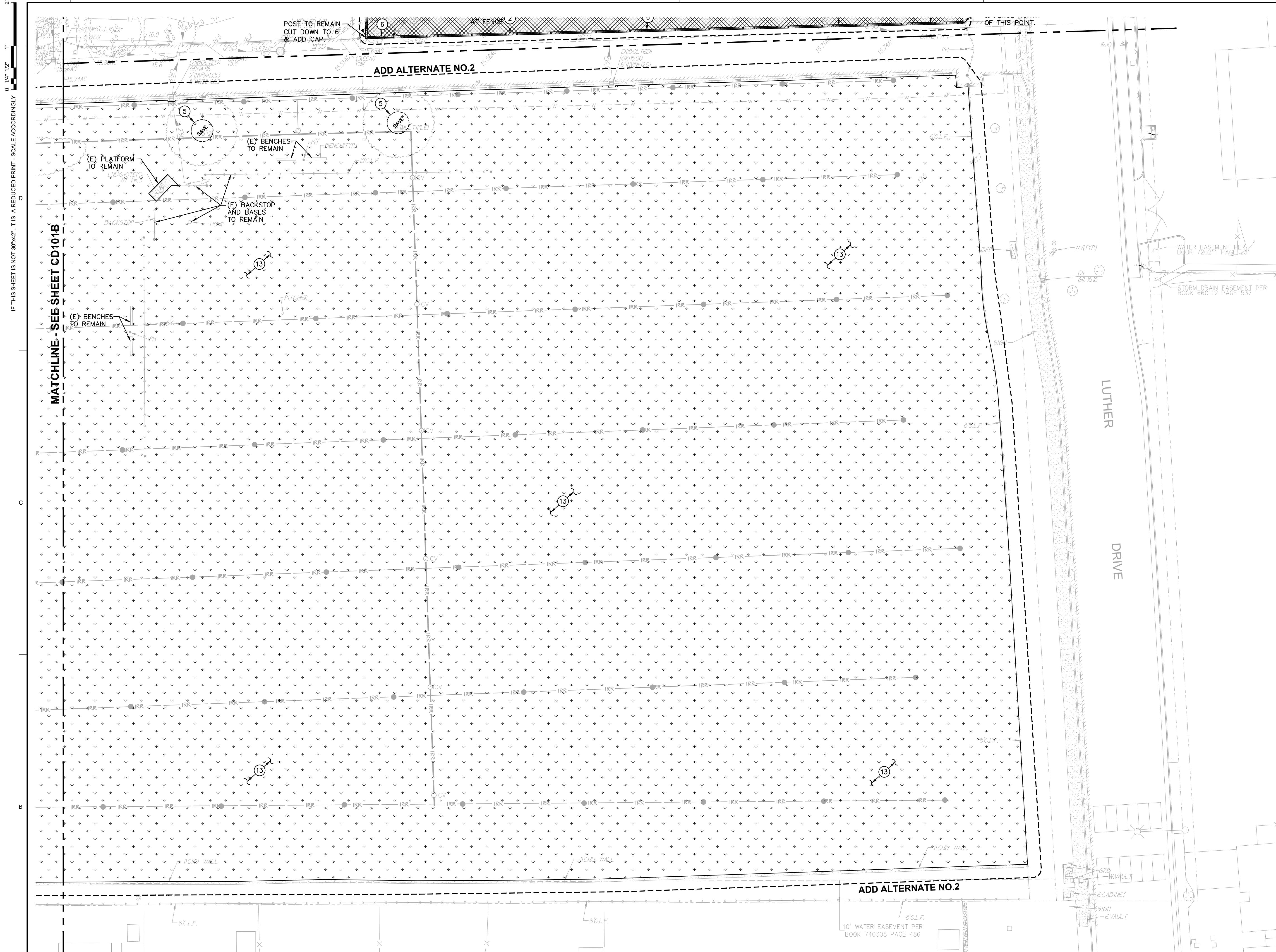
MANAGEMENT

LIONAKIS PROJECT NO.	023041
DSA APPLICATION NO.	02-121593
CLIENT PROJECT NO.	####
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TITLE
**SURFACE DEMOLITION
PLAN**

AREA B

SHEET
CD101B



- ### DEMOLITION GENERAL NOTES
1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
 2. NO BURNING OR BLASTING SHALL BE PERMITTED.
 3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
 4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
 5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
 6. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS, AND PROPOSED UTILITY CONNECTION POINTS.
 7. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTOR'S WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
 8. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REINSTALLED AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
 9. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
 10. CONTRACTOR SHALL COMPLY WITH CHAPTER 33 OF THE 2022 CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AT ALL TIMES DURING CONSTRUCTION.
 11. CONTRACTOR SHALL HIRE A UTILITY LOCATING COMPANY AND SHALL SCAN THE ENTIRE AREA WITHIN THE LIMITS OF NEW WORK. ALL UTILITIES LOCATED SHALL BE MARKED AND PROTECTED DURING THE LIMITING OPERATIONS AS WELL AS ANY EXCAVATING TASKS. ANY LOCATED UTILITY DAMAGE WITHIN THE LIMITS OF WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
 12. ALL DEMOLITION SHALL BE APPROPRIATELY SUPPORTED AND REINFORCED DURING REMOVAL TO PREVENT INJURY FROM FALLING, PROJECTILE, OR OTHERWISE MOVING DEBRIS OR OTHER DELETERIOUS MATERIAL. ONSITE SAFETY WITHIN THE LIMITS OF WORK IS THE CONTRACTOR'S SOLE RESPONSIBILITY.

- ### DEMOLITION NOTES
- | AND/OR LEGEND | DEMOLITION NOTES |
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| | 1. REMOVE EXISTING CONCRETE PAVING AND BASE AGGREGATES (IF EXIST). WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN. |
| | 2. SAWCUT AND REMOVE EXISTING ASPHALT PAVING AND BASE AGGREGATE TO PROVIDE FOR NEW CONSTRUCTION. SAWCUTS SHALL BE NEAT AND STRAIGHT. MAINTAIN A STRAIGHT CUT EDGE UNTIL NEW PAVING PLACED, OR NEW CUTS WILL BE REQUIRED. |
| | 3. REMOVE EXISTING CONCRETE CURB/CURB GUTTER. |
| | 4. REMOVE EXISTING TREE AND ROOTS. IF SMALL ROOTS OR ROOT FRAGMENTS REMAIN (>1/2" IN DIA.), CONTRACTOR TO REMOVE BY HAND IF NECESSARY. BACKFILL VOID PER ANCHOR STRAP SPECIFICATIONS. IT IS HIGHLY RECOMMENDED WET AND DRY UTILITIES BE READY TO SHUTOFF SHOULD A ROOT DAMAGE A LINE DURING TREE REMOVAL. |
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| | 6. REMOVE EXISTING FENCING AND OR GATES AS SHOWN. REMOVAL TO INCLUDE ALL POSTS AND CONCRETE BASES. BACKFILL WITH CLASS II AB IN 6" LIFTS, EACH COMPACTED TO 95%. FENCE TYPES MAY VARY. |
| | 7. REMOVE AND DISPOSE OF EXISTING CONCRETE WHEEL STOP. WHEEL STOPS IN GOOD CONDITION WITH NO CHIPS OR CRACKS MAY BE SALVAGED AND RE-USED. |
| | 8. REMOVE EXISTING BENCHES OR TABLE TO INCLUDE CONCRETE FOOTINGS. BACKFILL WITH CLASS II AB IN 6" LIFTS, EACH COMPACTED TO 95%. |
| | 9. PAINT EXISTING STRIPING BLACK WITH MIN. 2 COATS COMMERCIAL GRADE BLACK TRAFFIC PAINT. |
| | 10. REMOVE EXISTING DRAIN INLET/MANHOLE. SEE UTILITY DEMOLITION PLAN FOR ADDITIONAL INFORMATION. |
| | 11. REMOVE EXISTING SYNTHETIC TURF. REMOVE NAILERS AND ANY WOOD OR CONCRETE CURBS. SEE PAVING PLAN CP101A, AND LANDSCAPE PLANS FOR NEW. |
| | 12. DISCONNECT, DISMANTLE AND REMOVE EXISTING DUGGOUT STRUCTURE TO INCLUDE ALL STRUCTURE, WALLS, SLABS AND FOUNDATIONS. |
| | 13. REMOVE ALL PLANTS, SHRUBS, EXISTING VEGETATION, INFIELD MIX AND OTHER LANDSCAPE TYPE SURFACING. REFER TO EARTHWORK SPECIFICATIONS FOR ADDITIONAL SITE CLEARING REQUIREMENTS. SEE LANDSCAPE PLANS FOR IRRIGATION DEMOLITION AND INSTALLATION. SEE GENERAL IRRIGATION NOTE, THIS SHEET. |
| | 14. REMOVE EXISTING IRRIGATION VALVES, LINES WIRES, ETC. REFER TO LANDSCAPE AND IRRIGATION PLANS FOR ADDITIONAL INFO. |
| | 15. REMOVE EXISTING UTILITY VAULT/BOX. PROTECT UTILITIES FROM DAMAGE. PROVIDE NEW AND ADJUST TO FINISHED GRADE. SEE GRADING PLAN AND UTILITY PLANS FOR ADDITIONAL INFO. |
| | 16. REMOVE EXISTING UTILITY BOX. DISCONNECT AND REMOVE ASSOCIATED UTILITIES. SEE UTILITY PLANS FOR ADDITIONAL INFO. |
| | 17. SAWCUT AND REMOVE EXISTING ASPHALT PAVING, LEAVE EXISTING BASE ROCK. |
| | 18. REMOVE EXISTING SCOREBOARD TO INCLUDE FOOTINGS. |
| | 19. REMOVE EXISTING METAL POST TO INCLUDE CONCRETE FOOTINGS. |
| | 20. REMOVE EXISTING BASES AND PITCHING MOUNDS AND ANY CONCRETE FOOTINGS. DISTRICT MAY SALVAGE. SEE GENERAL NOTE 7. |
| | 21. REMOVE EXISTING ELECTRICAL PANEL. REMOVE CONDUITS BACK TO SERVICE POINT OR NEAREST UTILITY BOX TO REMAIN. COIL WIRES AND LEAVE IN BOX. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. |
| | 22. REMOVE EXISTING SIGN TO INCLUDE POST AND CONCRETE BASE. |
| | 23. EXISTING BENCHES TO REMAIN, PROTECT FROM DAMAGE. |
| | 24. REMOVE EXISTING TENNIS COURT POST AND NET ANCHORS AND CONCRETE BASES. BACKFILL WITH CLASS II AB COMPACTED TO 95% UP TO SUBGRADE OR EXISTING AB SURFACE. |
| | 25. EXISTING STORAGE CONTAINER TO BE RELOCATED. SEE ARCH. PLANS. LOCATION SHALL COMPLY WITH GENERAL NOTES ON SHEET CD101B AND DSA IR A-27. |
| | 26. REMOVE EXISTING STEPS AND RAILINGS. |
| | 27. REMOVE EXISTING BLEACHERS. |

EXISTING UTILITIES AND LOCATING

VARIOUS UTILITIES EXIST BENEATH THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL ACQUIRE UNDERGROUND LOCATOR TO LOCATE ALL UTILITIES IN ACCORDANCE WITH EARTHWORK SECTION 31 0000. APPROXIMATE LOCATIONS HAVE BEEN SHOWN ON THESE PLANS FROM RECORD SOURCES BUT FIELD CONDITIONS MAY VARY. CELLULAR CONDUITS REQUIRE EXTREME CAUTION WHEN WORKING AROUND. SHALLOW UTILITIES MAY REQUIRE ADDITIONAL WORK AS OUTLINED IN THESE PLANS AND SPECIFICATIONS TO AVOID DAMAGE TO UTILITIES. CONTACT ARCHITECT IMMEDIATELY IF FOUND UTILITIES CONFLICT WITH NEW WORK.

UTILITY VERIFICATION NOTE

PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

CONCRETE SAWCUT NOTE

SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.

IRRIGATION DEMOLITION

WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINE AND HEADS ENCOUNTERED, PROVIDED THAT THE MAIN LINES AND CONTROL WIRES ONLY IF ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEM INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.

WHEN IRRIGATION LINES ENTERING NEW WORK ARE CUT TEMPORARILY FOR CONSTRUCTION, EVEN IF THEY ARE TO BE RE-CONNECTED TO AT SOME POINT DURING CONSTRUCTION, SHALL BE CAPPED TO ALLOW UPSTREAM HEADS IN THAT SYSTEM ZONE TO OPERATE. CAPS SHALL BE REMOVED IF A RE-CONNECTION IS PLANNED.

CAL-GREEN - Waste Diversion

5.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that:

1. Contractor shall identify the construction and demolition waste materials to be diverted from disposal, to comply with 65% criteria listed above, by efficient usage, recycling, reuse on the project or salvage for future use or sale.
2. Contractor shall determine if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream). Either method is the responsibility of the contractor.
3. Contractor shall identify diversion facilities where construction and demolition waste material collected will be taken. Transport to such facilities is contractor's responsibility.
4. Contractor shall record and provide record of the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

5.408.1.2 Waste management company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company. Contractor shall make any and all arrangements with waste management company for pickup of materials.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction material that does not exceed two pounds per square foot of building area may be deemed to meet the 65 percent minimum requirement as approved by the enforcing agency.

Exception: Reuse, either on-or off-site, of vegetation or soil contaminated by disease or pest infestation.

Notes:

1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at <http://www.bsc.ca.gov/home/CALGreen.aspx> may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris (CMD) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

CAL-GREEN - Excavated Soil & Land Clearing

5.408.3 Excavated soil and land clearing debris. 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

Exception: Reuse, either on-or off-site, of vegetation or soil contaminated by disease or pest infestation.

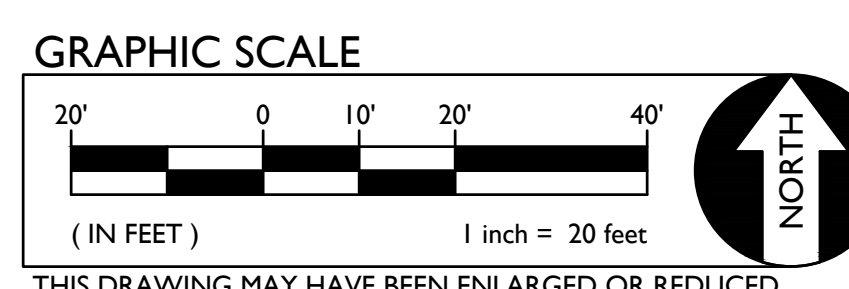
Notes:

1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material. (www.cdffa.ca.gov/electroniccounty_contacts.html)
2. For a map of known pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdffa.ca.gov)



CAL-GREEN
REFER TO CD101C FOR APPLICABLE
CAL-GREEN DEMOLITION REQUIREMENTS

EROSION NOTE:
REFER TO CD101C FOR APPLICABLE EROSION
PROTECTIVE MEASURES DURING DEMOLITION.
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NECESSARY TO PREVENT SEDIMENT LOADEN
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121593 INC.
REVIEWED FOR
SS FLS ACS
DATE: 12/18/2023

LIONAKIS
2025 Ninth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT
WC
WARREN CONSULTING ENGINEERS, INC.
117 WINDFIELD WAY, SUITE 110
EL CERRITO HILLS, CA 94530 (916) 988-8870

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
No. 014586
State of California
100303

PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

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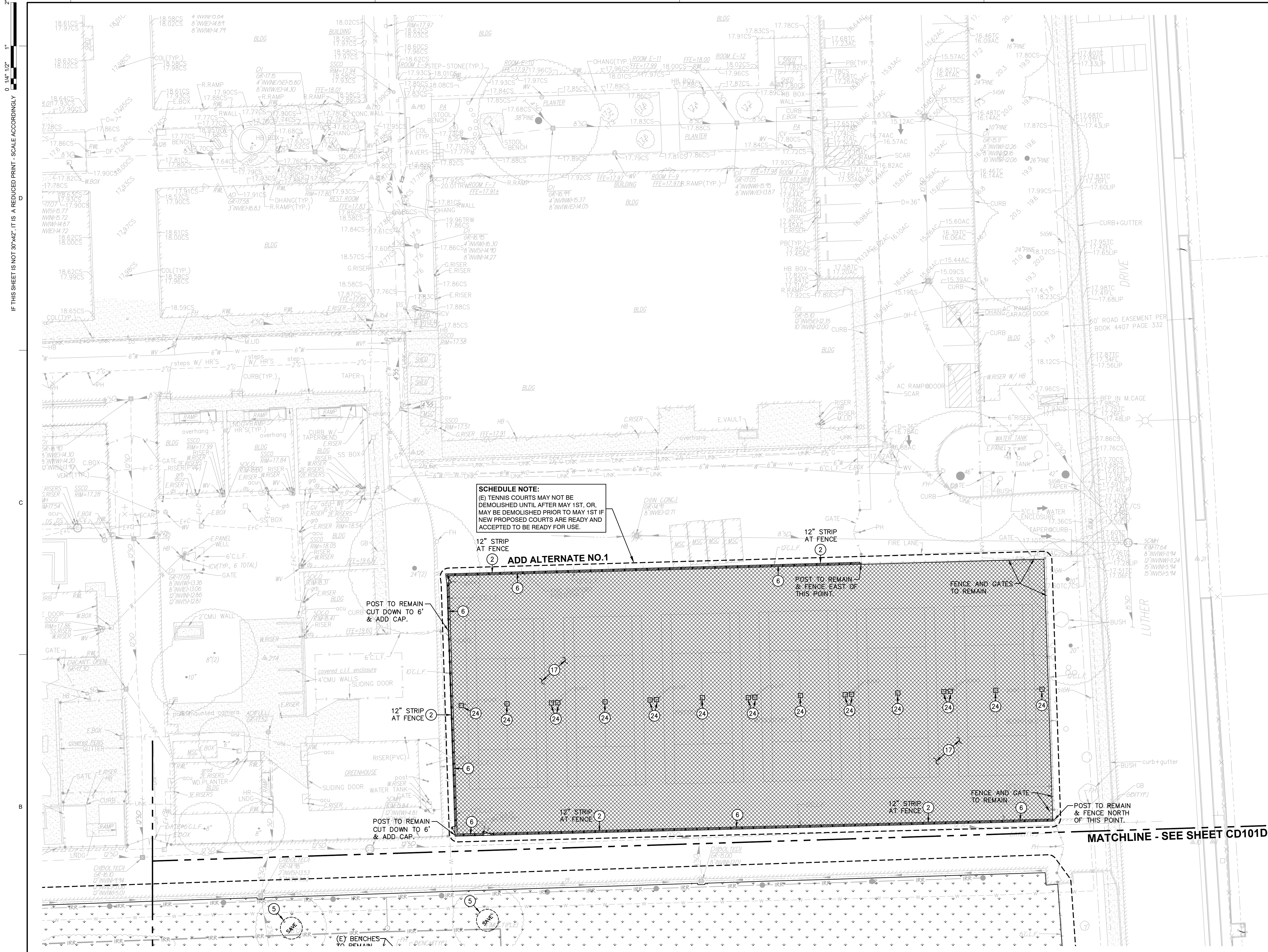
MANAGEMENT

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TITLE
**SURFACE DEMOLITION
PLAN**

AREA C

SHEET
CD101C



SCHEDULE NOTE:
 (E) TENNIS COURTS MAY NOT BE DEMOLISHED UNTIL AFTER MAY 1ST, OR, MAY BE DEMOLISHED PRIOR TO MAY 1ST IF NEW PROPOSED COURTS ARE READY AND ACCEPTED TO BE READY FOR USE.

POST TO REMAIN CUT DOWN TO 6' & ADD CAP.

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 PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

CONCRETE SAWCUT NOTE
 SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND NEAREST THE LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.

IRRIGATION DEMOLITION
 WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINE AND HEADS ENCOUNTERED, PROVIDED THAT THE MAIN LINES AND CONTROL WIRES ONLY IF ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEM INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
 WHEN IRRIGATION LINES ENTERING NEW WORK ARE CUT TEMPORARILY FOR CONSTRUCTION, EVEN IF THEY ARE TO BE RE-CONNECTED TO AT SOME POINT DURING CONSTRUCTION, SHALL BE CAPPED TO ALLOW UPSTREAM HEADS IN THAT SYSTEM ZONE TO OPERATE. CAPS SHALL BE REMOVED IF A RE-CONNECTION IS PLANNED.

CAL-GREEN - Waste Diversion
5.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that:

1. Contractor shall identify the construction and demolition waste materials to be diverted from disposal, to comply with 65% criteria listed above, by efficient usage, recycling, reuse on the project or salvage for future use or sale.
2. Contractor shall identify construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream). Either method is the responsibility of the contractor.
3. Contractor shall identify diversion facilities where construction and demolition waste material collected will be taken. Transport to such facilities is contractors responsibility.
4. Contractor shall record and provide records of the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

CAL-GREEN - Waste Diversion Documentation Required (Red Calgreen 5.408.1.4)
 Contractor shall prepare and provide documentation to the enforcing agency which demonstrates compliance with Calgreen Sections 5.408.1.1 through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

- Notes:**
1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at <http://www.bsc.ca.gov/home/CALGreen.aspx> may be used to assist in documenting compliance with the waste management plan.
 2. Mixed construction and demolition debris (C&D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

5.408.1.2 Waste management company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company. Contractor shall make any and all arrangements with waste management company for pickup of materials.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction material that does not exceed two pounds per square foot of building area may be deemed to meet the 65 percent minimum requirement as approved by the enforcing agency.

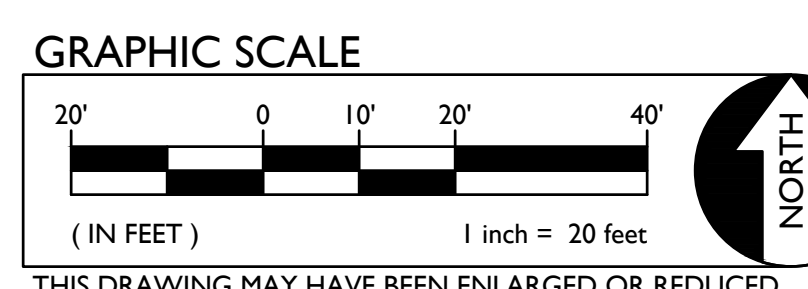
Exception: Reuse, either on-or-off-site, of vegetation or soil contaminated by disease or pest infestation.

- Notes:**
1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material. (www.cdffa.ca.gov/reco/county_contacts.html)
 2. For a map of known pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdffa.ca.gov)



CAL-GREEN
 REFER TO CD101C FOR APPLICABLE
 CAL-GREEN DEMOLITION REQUIREMENTS

EROSION NOTE:
 REFER TO CK001 FOR APPLICABLE EROSION PROTECTIVE MEASURES DURING DEMOLITION. PROVIDE APPROVED BMP'S AT ALL LOCATIONS NECESSARY TO PREVENT SEDIMENT LOADEN WATER FROM LEAVING THE SITE. REFER TO SWPPP FOR ADDITIONAL INFO.



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-121593 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 12/18/2023

LIONAKIS
 2025 Ninth Street
 Sacramento, CA 95818
 P 916.558.1900
 www.lionakis.com

CONSULTANT

WC
 WARREN CONSULTING ENGINEERS, INC.
 1171 WINFIELD WAY, SUITE 110
 EL CERRILLO HILLS, CA 95702 (916) 988-9870

ANTHONY J. TASSANO
 No. 21456
 State of California
 102003

PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
-	12/01/2023	DSA APPROVAL

MANAGEMENT

LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	####
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TITLE
**SURFACE DEMOLITION
 PLAN**

AREA D

SHEET
CD101D

0 1/4" = 1' - SCALE ACCORDINGLY
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EXISTING UTILITIES AND LOCATING

VARIOUS UTILITIES EXIST BENEATH THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL ACQUIRE UNDERGROUND LOCATOR TO LOCATE ALL UTILITIES IN ACCORDANCE WITH EARTHWORK SECTION 31.0000. APPROXIMATE LOCATIONS HAVE BEEN SHOWN ON THESE PLANS FROM RECORD SOURCES BUT FIELD CONDITIONS MAY VARY. CELLULAR CONDUITS REQUIRE EXTREME CAUTION WHEN WORKING AROUND. SHALLOW UTILITIES, MAY REQUIRE ADDITIONAL WORK AS OUTLINED IN THESE PLANS AND SPECIFICATIONS TO AVOID DAMAGE TO UTILITIES. CONTACT ARCHITECT IMMEDIATELY IF FOUND UTILITIES CONFLICT WITH NEW WORK.

UTILITY VERIFICATION NOTE

PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

CONCRETE SAWCUT NOTE

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IRRIGATION DEMOLITION

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WHEN IRRIGATION LINES ENTERING NEW WORK ARE CUT TEMPORARILY FOR CONSTRUCTION, EVEN IF THEY ARE TO BE RE-CONNECTED TO AT SOME POINT DURING CONSTRUCTION, SHALL BE CAPPED TO ALLOW UPSTREAM HEADS IN THAT SYSTEM ZONE TO OPERATE. CAPS SHALL BE REMOVED IF A RE-CONNECTION IS PLANNED.

CAL-GREEN - Waste Diversion

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- Contractor shall identify diversion facilities where construction and demolition waste material collected will be taken. Transport to such facilities is contractor's responsibility.
- Contractor shall record and provide record of the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

- Excavated soil and land-clearing debris.
- Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
- Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65 percent minimum requirement as approved by the enforcing agency.

CAL-GREEN - Waste Diversion Documentation Required

(Ref Calgreen 5.408.1.4) Contractor shall prepare and provide documentation to the enforcing agency which demonstrates compliance with Calgreen Sections 5.408.1.1 through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

- Notes:**
- Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at <http://www.bsc.ca.gov/Home/CALGreen.aspx> may be used to assist in documenting compliance with the waste management plan.
 - Mixed construction and demolition debris (CAD) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

CAL-GREEN - Excavated Soil & Land Clearing

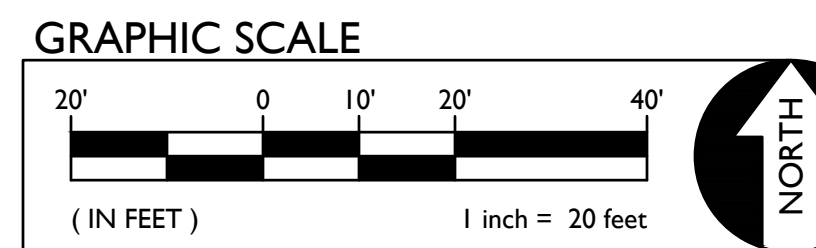
5.408.3 Excavated soil and land clearing debris. 100 percent of trees, stumps, roots and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

Exception: Reuse, either on- or off-site, of vegetation or soil contaminated by disease or pest infestation.

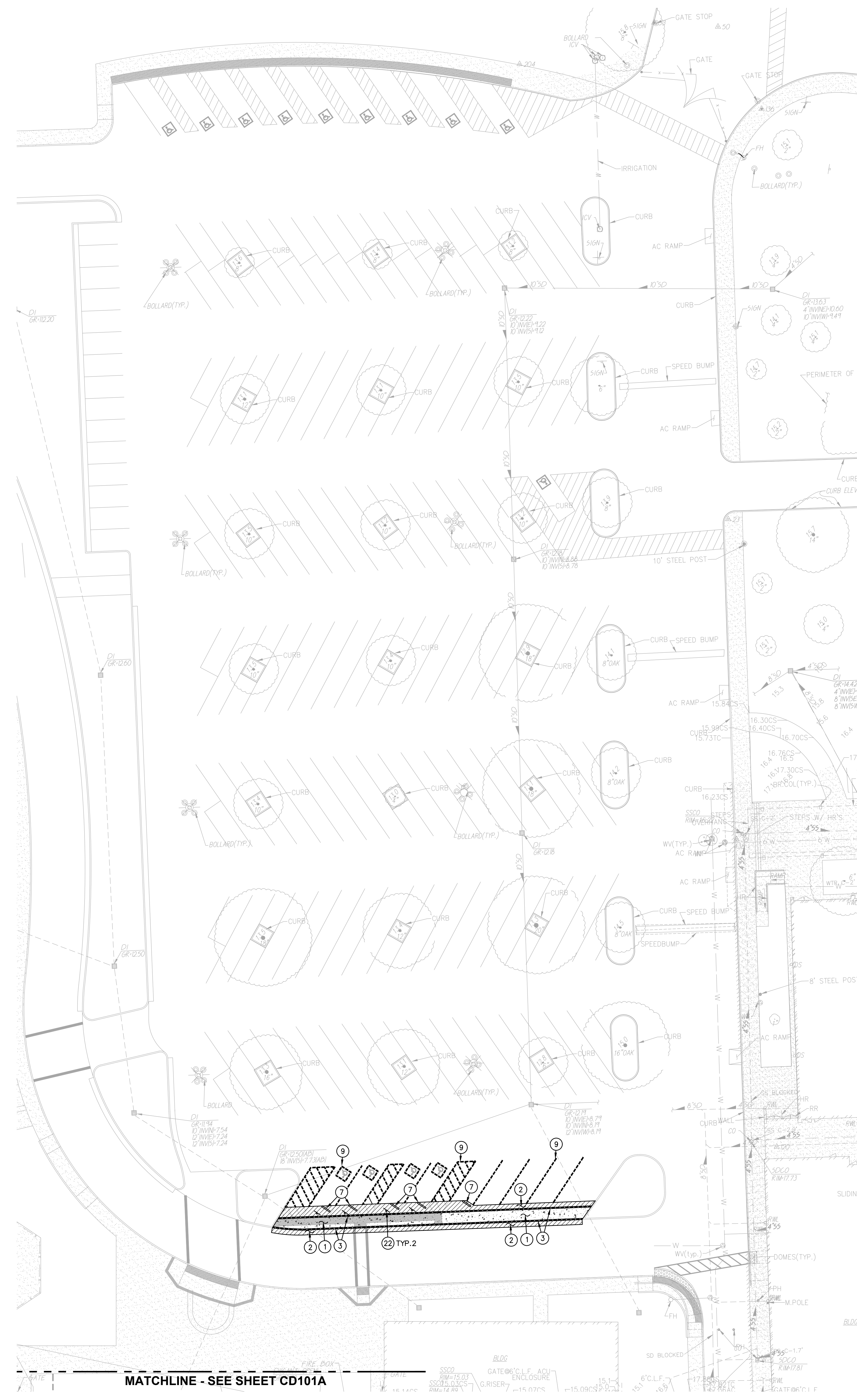
- Notes:**
- If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material. (www.cdfa.ca.gov/eres/country_contacts.html)
 - For a map of known pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov)

CAL-GREEN
REFER TO CD101C FOR APPLICABLE CAL-GREEN DEMOLITION REQUIREMENTS

EROSION NOTE:
REFER TO CD101C FOR APPLICABLE EROSION PROTECTIVE MEASURES DURING DEMOLITION. PROVIDE APPROVED BMPs AT ALL LOCATIONS NECESSARY TO PREVENT SEDIMENT LOADED WATER FROM LEAVING THE SITE. REFER TO SWPPP FOR ADDITIONAL INFO.



THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

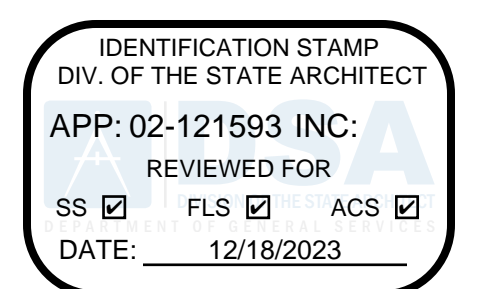


DEMOLITION GENERAL NOTES

- IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
- NO BURNING OR BLASTING SHALL BE PERMITTED.
- ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
- ALL DEMOLISHED ITEMS SHALL BE DISPOSED OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
- ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
- THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE ACCURACY OR ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.
- THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
- EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REINSTALLED AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- CONTRACTOR SHALL COMPLY WITH CHAPTER 33 OF THE 2022 CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR SHALL HIRE A UTILITY LOCATING COMPANY AND SHALL SCAN THE ENTIRE AREA WITHIN THE LIMITS OF NEW WORK. ALL UTILITIES LOCATED SHALL BE MARKED AND PROTECTED DURING THE LIMITING OPERATIONS AS WELL AS ANY EXCAVATING TASKS. ANY LOCATED UTILITY DAMAGED WITHIN THE LIMITS OF WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
- ALL DEMOLITION SHALL BE APPROPRIATELY SUPPORTED AND REINFORCED DURING REMOVAL TO PREVENT INJURY FROM FALLING, PROJECTILE, OR OTHERWISE MOVING DEBRIS OR OTHER DELETERIOUS MATERIAL. ONSITE SAFETY WITHIN THE LIMITS OF WORK IS THE CONTRACTORS SOLE RESPONSIBILITY.

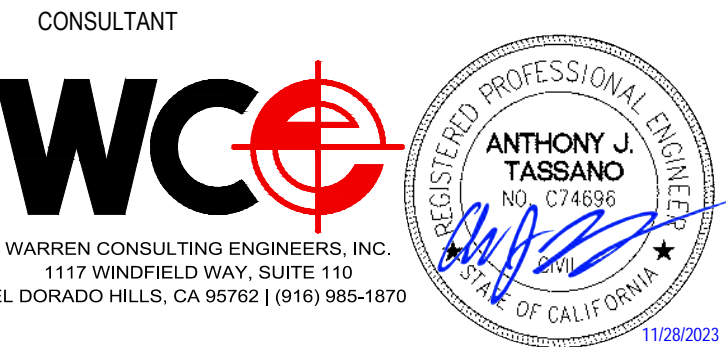
DEMOLITION NOTES

- AND/OR LEGEND
- REMOVE EXISTING CONCRETE PAVING AND BASE AGGREGATES (IF EXIST). WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.
 - SAWCUT AND REMOVE EXISTING ASPHALT PAVING AND BASE AGGREGATE TO PROVIDE FOR NEW CONSTRUCTION. SAWCUTS SHALL BE NEAT AND STRAIGHT. MAINTAIN CLEAN STRAIGHT CUT EDGE UNTIL NEW PAVING PLACED, OR NEW CUTS WILL BE REQUIRED.
 - REMOVE EXISTING CONCRETE CURB/CURB GUTTER.
 - REMOVE EXISTING TREE AND ROOTS. IF SMALL ROOTS OR ROOT FRAGMENTS REMAIN (>1/2" IN DIA.), CONTRACTOR TO REMOVE BY HAND IF NECESSARY. BACKFILL VOID PER GRADING SPECIFICATIONS. IT IS HIGHLY RECOMMENDED WET AND DRY UTILITIES BE READY TO SHUTOFF SHOULD A ROOT DAMAGE A LINE DURING TREE REMOVAL.
 - EXISTING TREE TO REMAIN AND BE PROTECTED FROM DAMAGE. PROVIDE PROTECTIVE FENCING IF NEEDED. WHEN IMMEDIATELY ADJACENT TO EQUIPMENT TRAFFIC, STRAP 2x4'S VERTICALLY AT 8' O.C. AROUND TRUNK, FROM 12" ABOVE GRADE TO 6' FEET ABOVE GRADE TO PROTECT TREE BARK FROM EQUIPMENT DAMAGE.
 - REMOVE EXISTING FENCING AND OR GATES AS SHOWN. REMOVAL TO INCLUDE ALL POSTS AND CONCRETE BASES. BACKFILL WITH CLASS II AB IN 6" LIFTS, EACH COMPACTED TO 95%. FENCE TYPES MAY VARY.
 - REMOVE AND DISPOSE OF EXISTING CONCRETE WHEEL STOP. WHEEL STOPS IN GOOD CONDITION WITH NO CHIPS OR CRACKS MAY BE SALVAGED AND RE-USED.
 - REMOVE EXISTING BENCHES OR TABLE TO INCLUDE CONCRETE FOOTINGS. BACKFILL WITH CLASS II AB IN 6" LIFTS, EACH COMPACTED TO 95%.
 - PAINT EXISTING STRIPING BLACK WITH MIN. 2 COATS COMMERCIAL GRADE BLACK TRAFFIC PAINT.
 - REMOVE EXISTING DRAIN INLET/MANHOLE. SEE UTILITY DEMOLITION PLAN FOR ADDITIONAL INFORMATION.
 - REMOVE EXISTING SYNTHETIC TURF. REMOVE NAILERS AND ANY WOOD OR CONCRETE CURBS. SEE PAVING PLAN CP101A, AND LANDSCAPE PLANS FOR NEW.
 - DISCONNECT, DISMANTLE AND REMOVE EXISTING DUGGOUT STRUCTURE TO INCLUDE ALL STRUCTURE, WALLS, SLABS AND FOUNDATIONS.
 - REMOVE ALL PLANTS, SHRUBS, EXISTING VEGETATION, INFIELD MIX AND OTHER LANDSCAPE TYPE PLANTING. REFER TO EARTHWORK SPECIFICATIONS FOR ADDITIONAL SITE CLEARING REQUIREMENTS. SEE LANDSCAPE PLANS FOR IRRIGATION DEMOLITION AND INSTALLATION. SEE GENERAL IRRIGATION NOTE, THIS SHEET.
 - REMOVE EXISTING IRRIGATION VALVES, LINES WIRES, ETC. REFER TO LANDSCAPE AND IRRIGATION PLANS FOR ADDITIONAL INFO.
 - REMOVE EXISTING UTILITY VAULT/BOX. PROTECT UTILITIES FROM DAMAGE. PROVIDE NEW AND ADJUST TO FINISHED GRADE. SEE GRADING PLAN AND UTILITY PLANS FOR ADDITIONAL INFO.
 - REMOVE EXISTING UTILITY BOX. DISCONNECT AND REMOVE ASSOCIATED UTILITIES. SEE UTILITY PLANS FOR ADDITIONAL INFO.
 - SAWCUT AND REMOVE EXISTING ASPHALT PAVING, LEAVE EXISTING BASE ROCK.
 - REMOVE EXISTING SCOREBOARD TO INCLUDE FOOTINGS.
 - REMOVE EXISTING METAL POST TO INCLUDE CONCRETE FOOTINGS.
 - REMOVE EXISTING BASES AND PITCHING MOUNDS AND ANY CONCRETE FOOTINGS. DISTRICT MAY SALVAGE. SEE GENERAL NOTE 7.
 - REMOVE EXISTING ELECTRICAL PANEL. REMOVE CONDUITS BACK TO SERVICE POINT OR NEAREST UTILITY BOX TO REMAIN. COIL WIRES AND LEAVE IN BOX. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
 - REMOVE EXISTING SIGN TO INCLUDE POST AND CONCRETE BASE.
 - EXISTING BENCHES TO REMAIN, PROTECT FROM DAMAGE.
 - REMOVE EXISTING TENNIS COURT POST AND NET ANCHORS AND CONCRETE BASES. BACKFILL WITH CLASS II AB COMPACTED TO 95% UP TO SUBGRADE OR EXISTING AB SURFACE.
 - EXISTING STORAGE CONTAINER TO BE RELOCATED. SEE ARCH. PLANS. LOCATION SHALL COMPLY WITH GENERAL NOTES ON SHEET CD101B AND DSA IR A-27.
 - REMOVE EXISTING STEPS AND RAILINGS.
 - REMOVE EXISTING BLEACHERS.



LIONAKIS

2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com



SEAL

PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

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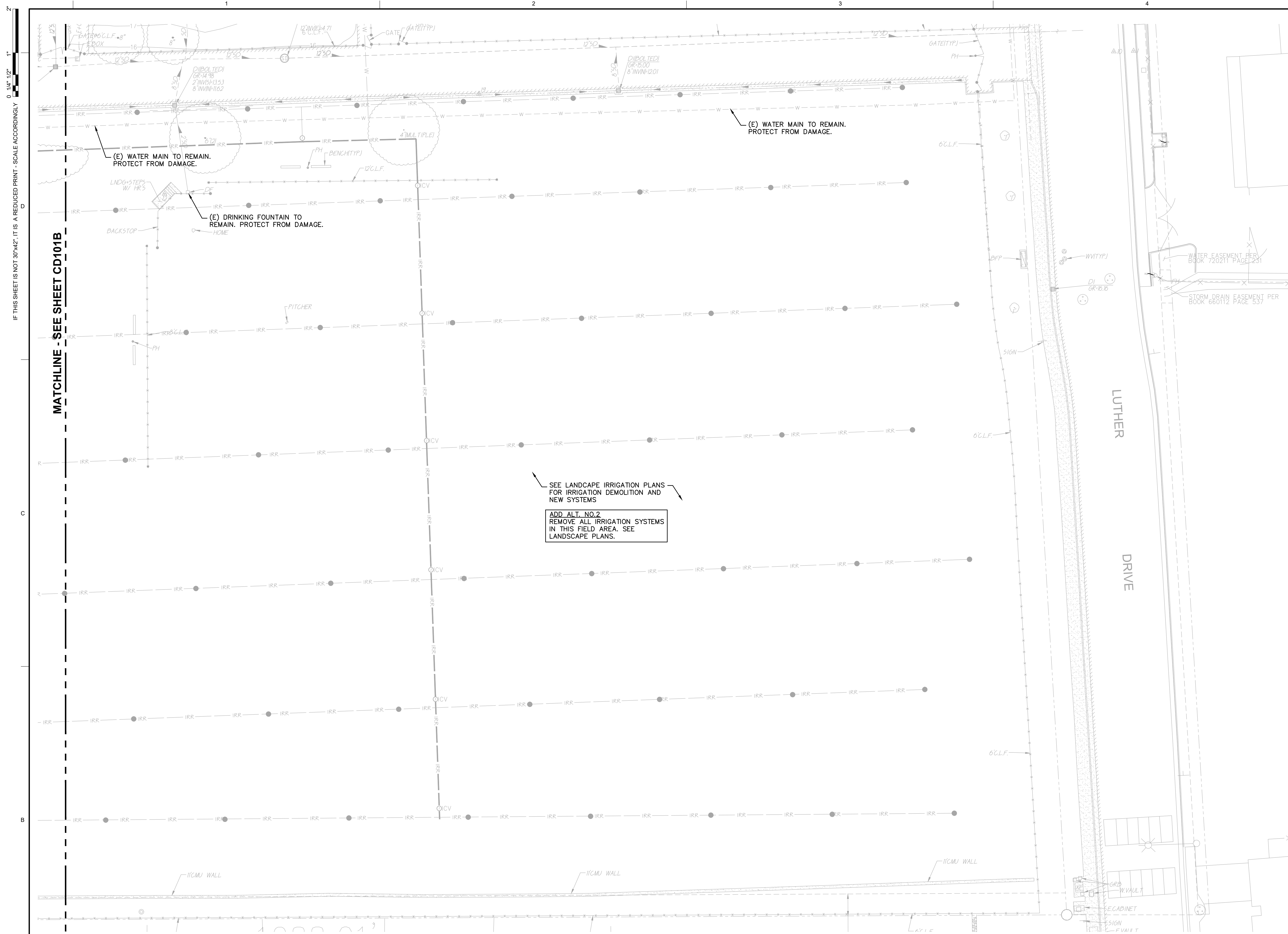
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TITLE
**SURFACE DEMOLITION
PLAN**

AREA E

SHEET
CD101E

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- ### UTILITY DEMOLITION NOTES
- LEGEND
- REMOVE EXISTING STORM DRAIN PIPE AND STRUCTURES AS NOTED. PATCH INLETS EXISTING STORM DRAIN LINES OR STRUCTURES TO REMAIN WITH PRE-MANUFACTURED CAP/PLUG, OR GROUT. REPLACE SECTIONS OF PIPE WITH DUAL BAND FERNCO COUPLERS COUPLERS WHERE CAP/PLUG OR GROUT CANNOT BE USED.
 - REMOVE EXISTING SEWER PIPE AND STRUCTURES AS NOTED. PATCH INLETS EXISTING SEWER LINES OR STRUCTURES TO REMAIN WITH PRE-MANUFACTURED CAP/PLUG, OR GROUT. REPLACE SECTIONS OF PIPE WITH DUAL BAND FERNCO COUPLERS COUPLERS WHERE CAP/PLUG OR GROUT CANNOT BE USED.
 - SHUT OFF, DISCONNECT AND REMOVE EXISTING WATER LINE AND VALVES AS NOTED. PROVIDE TEMPORARY CAP AS NEEDED UNTIL NEW CONNECTION IS MADE.
 - ASSUMED LOCATION OF EXISTING ELECTRICAL SYSTEMS. SHUT OFF, DISCONNECT AND REMOVE EXISTING ELECTRICAL SYSTEMS. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
 - SEE LANDSCAPE IRRIGATION PLANS.

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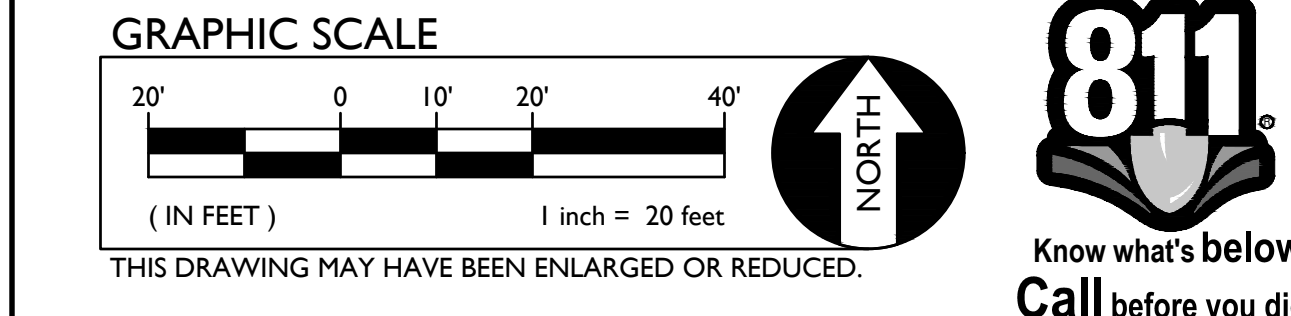
IRRIGATION DEMOLITION
WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINE AND HEADS ENCOUNTERED, PROVIDED THAT THE MAIN LINES AND CONTROL WIRES ONLY IF ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEM INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
WHEN IRRIGATION LINES ENTERING NEW WORK ARE CUT TEMPORARILY FOR CONSTRUCTION, EVEN IF THEY ARE TO BE RE-CONNECTED TO AT SOME POINT DURING CONSTRUCTION, SHALL BE CAPPED TO ALLOW UPSTREAM HEADS IN THAT SYSTEM ZONE TO OPERATE. CAPS SHALL BE REMOVED IF A RE-CONNECTION IS PLANNED.

EXISTING UTILITIES AND LOCATING
VARIOUS UTILITIES EXIST BENEATH THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL ACQUIRE UNDERGROUND LOCATOR TO LOCATE ALL UTILITIES IN ACCORDANCE WITH EARTHWORK SECTION 31 0000. APPROXIMATE LOCATIONS HAVE BEEN SHOWN ON THESE PLANS FROM RECORD SOURCES BUT FIELD CONDITIONS MAY VARY. CELLULAR CONDUITS REQUIRE EXTREME CAUTION WORKING AROUND. SHALLOW UTILITIES, MAY REQUIRE ADDITIONAL WORK AS OUTLINED IN THESE PLANS AND SPECIFICATIONS TO AVOID DAMAGE TO UTILITIES. CONTACT ARCHITECT IMMEDIATELY IF FOUND UTILITIES CONFLICT WITH NEW WORK.

ABATEMENT NOTE
TRANSITE IRRIGATION LINES ARE PRESENT AND PLANNED FOR REMOVAL. USE CAUTION DURING DEMOLITION AND CONSTRUCTION. SEE UTILITY DEMOLITION PLAN FOR PRECAUTIONS AND ABATEMENT.

CAL-GREEN
REFER TO CD10C FOR APPLICABLE CAL-GREEN DEMOLITION REQUIREMENTS

EROSION NOTE:
REFER TO CD10C FOR APPLICABLE EROSION PROTECTIVE MEASURES DURING DEMOLITION. PROVIDE APPROVED BMPs AT ALL LOCATIONS NECESSARY TO PREVENT SEDIMENT LOADS FROM LEAVING THE SITE. REFER TO SWPPP FOR ADDITIONAL INFO.



1 UTILITY DEMOLITION PLAN

EXISTING UTILITIES AND LOCATING
VARIOUS UTILITIES EXIST BENEATH THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL ACQUIRE UNDERGROUND LOCATOR TO LOCATE ALL UTILITIES IN ACCORDANCE WITH EARTHWORK SECTION 31 0000. APPROXIMATE LOCATIONS HAVE BEEN SHOWN ON THESE PLANS FROM RECORD SOURCES BUT FIELD CONDITIONS MAY VARY. CELLULAR CONDUITS REQUIRE EXTREME CAUTION WORKING AROUND. SHALLOW UTILITIES, MAY REQUIRE ADDITIONAL WORK AS OUTLINED IN THESE PLANS AND SPECIFICATIONS TO AVOID DAMAGE TO UTILITIES. CONTACT ARCHITECT IMMEDIATELY IF FOUND UTILITIES CONFLICT WITH NEW WORK.

UTILITY VERIFICATION NOTE
PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

CONCRETE SAWCUT NOTE
SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.

IRRIGATION DEMOLITION
WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINE AND HEADS ENCOUNTERED, PROVIDED THAT THE MAIN LINES AND CONTROL WIRES ONLY IF ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEM INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
WHEN IRRIGATION LINES ENTERING NEW WORK ARE CUT TEMPORARILY FOR CONSTRUCTION, EVEN IF THEY ARE TO BE RE-CONNECTED TO AT SOME POINT DURING CONSTRUCTION, SHALL BE CAPPED TO ALLOW UPSTREAM HEADS IN THAT SYSTEM ZONE TO OPERATE. CAPS SHALL BE REMOVED IF A RE-CONNECTION IS PLANNED.

CAL-GREEN - Waste Diversion

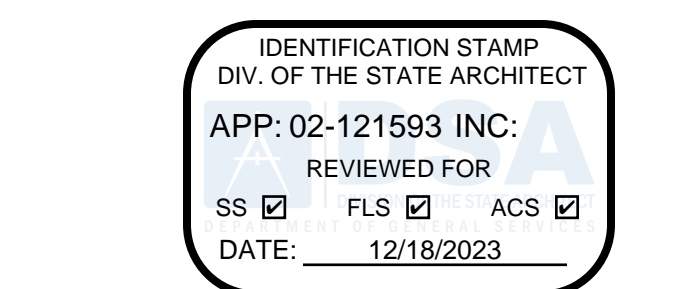
- 5.408.1 Construction waste management.** Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.
- 5.408.1.1 Construction waste management plan.** Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that:
- Contractor shall identify the construction and demolition waste materials to be diverted from disposal, to comply with 65% criteria listed above, by efficient usage, recycling, reuse on the project or salvage for future use or sale.
 - Contractor shall determine if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream). Either method is the responsibility of the contractor.
 - Contractor shall identify diversion facilities where construction and demolition waste material collected will be taken. Transport to such facilities is contractors responsibility.
 - Contractor shall record and provide record of the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.
- 5.408.1.2 Waste management company.** Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.
- Contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company. Contractor shall make any and all arrangements with waste management company for pickup of materials.
- Exceptions to Sections 5.408.1.1 and 5.408.1.2:**
- Excavated soil and land-clearing debris.
 - Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
 - Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.
- 5.408.1.3 Waste stream reduction alternative.** The combined weight of new construction material that does not exceed two pounds per square foot of building area may be deemed to meet the 65 percent minimum requirement as approved by the enforcing agency.

CAL-GREEN - Waste Diversion Documentation Required

- (Ref Calgreen 5.408.1.4)**
Contractor shall prepare and provide documentation to the enforcing agency which demonstrates compliance with Calgreen Sections 5.408.1.1 through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.
- Notes:**
- Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at <http://www.bsc.ca.gov/Home/CALGreen.aspx> may be used to assist in documenting compliance with the waste management plan.
 - Mixed construction and demolition debris (C&D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

CAL-GREEN - Excavated Soil & Land Clearing

- 5.408.3 Excavated soil and land clearing debris.** 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.
- Exception:** Reuse, either on-or off-site, of vegetation or soil contaminated by disease or pest infestation.
- Notes:**
- If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material. (www.cdffa.ca.gov/ece/ececounty_contacts.htm)
 - For a map of known pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdffa.ca.gov)



LIONAKIS

2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com



PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
-	12/01/2023	DSA APPROVAL

MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
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MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
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TITLE
**UTILITY DEMOLITION
PLAN**

AREA C

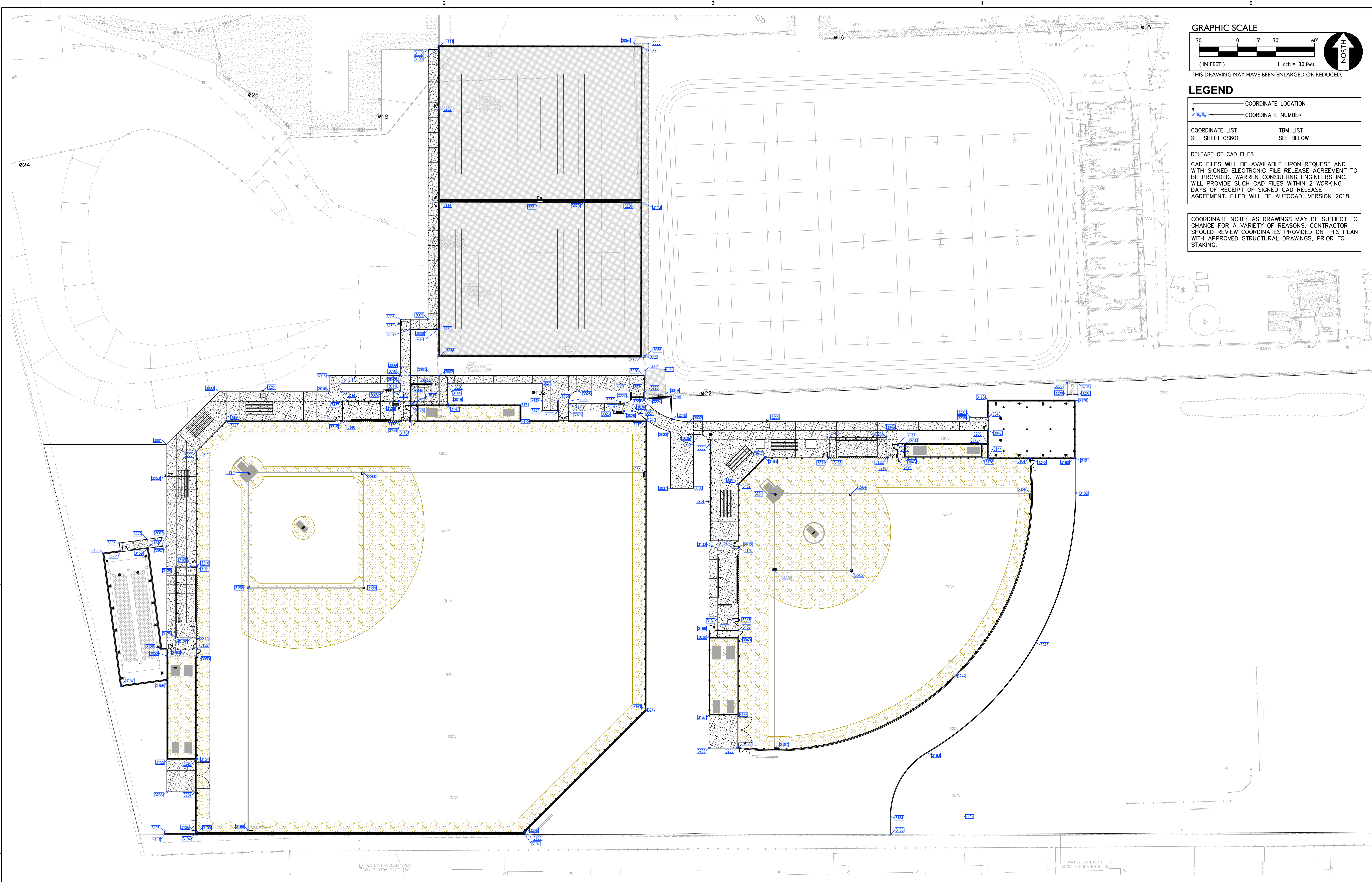
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CD102C

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B

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GRAPHIC SCALE
 30' 15' 30' 60'
 (IN FEET) 1 inch = 30 feet
 THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

LEGEND

COORDINATE LOCATION
 COORDINATE NUMBER

COORDINATE LIST
 SEE SHEET CS601

TBM LIST
 SEE BELOW

RELEASE OF CAD FILES
 CAD FILES WILL BE AVAILABLE UPON REQUEST AND WITH SIGNED ELECTRONIC FILE RELEASE AGREEMENT TO BE PROVIDED. WARREN CONSULTING ENGINEERS INC. WILL PROVIDE SUCH CAD FILES WITHIN 2 WORKING DAYS OF RECEIPT OF SIGNED CAD RELEASE AGREEMENT. FILED WILL BE AUTOCAD, VERSION 2018.

COORDINATE NOTE: AS DRAWINGS MAY BE SUBJECT TO CHANGE FOR A VARIETY OF REASONS, CONTRACTOR SHOULD REVIEW COORDINATES PROVIDED ON THIS PLAN WITH APPROVED STRUCTURAL DRAWINGS, PRIOR TO STAKING.

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-121593 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 12/18/2023

LIONAKIS

2025 Nineteenth Street
 Sacramento, CA 95818
 P 916.558.1900
 www.lionakis.com

CONSULTANT
WC
 WARREN CONSULTING ENGINEERS, INC.
 1117 WINDFIELD WAY, SUITE 110
 EL CORRALO HILLS, CA 94702 (916) 985-1870

SEAL

PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
-	12/01/2023	DSA APPROVAL

MANAGEMENT

LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	####
COPYRIGHT:	LIONAKIS 2017

1 HORIZONTAL CONTROL PLAN

SCALE 1" = 30'-0"

Project Control Point List					Project Control Point List					Project Control Point List					Project Control Point List					Project Control Point List				
Point #	Raw Description	Elevation	Northing	Eastng	Point #	Raw Description	Elevation	Northing	Eastng	Point #	Raw Description	Elevation	Northing	Eastng	Point #	Raw Description	Elevation	Northing	Eastng	Point #	Raw Description	Elevation	Northing	Eastng
1	CPS_CHISELED_ "+"	17.295	5001.1310	11493.1090	24	CPS_REBAR_W/_CAP	28.360	5136.4780	9965.0530	82	CPS_RR_SPIKE_AT_EENDCOR	17.048	5524.8840	11320.6820	132	CPS_CHISELED_ "+"	17.961	5383.5810	10800.7200	269	CPS_CHISELED_ "+"	15.588	5958.6640	10041.5660
10	CPF_MAG_NAIL_PPT	17.007	5000.8690	11484.0560	25	CPS_CHISELED_ "+"	15.733	5789.4850	10124.2760	102	CPS_PICKER	15.329	4958.7380	10365.2960	133	CPS_CHISELED_ "+"	17.821	5357.6630	10773.7660	270	CPS_CHISELED_ "+"	17.679	6011.4680	11440.0150
12	CPS_CHISELED_ "+"	19.564	4935.8860	11050.7720	26	CPS_CHISELED_ "+"	15.311	5191.0450	10143.6760	120	CPS_CHISELED_ "+"	17.913	5369.1240	10597.9270	134	CPS_CHISELED_ "+"	16.682	5357.6940	10721.4490	274	CPS_CHISELED_ "+"	17.868	5085.6110	11057.2680
13	CPS_CHISELED_ "+"_OPPLTSTD	16.832	5809.9850	11444.3400	38	CPS_CHISELED_ "+"_TCMDIWL0T	16.172	5495.5690	10581.3950	121	CPS_CHISELED_ "+"_AT_DI	16.018	5581.1130	10817.8190	136	CPS_CHISELED_ "+"_OPPGATEPOST	15.339	5796.1480	10591.7430	275	CPS_CHISELED_ "+"	17.297	5143.1680	11006.8560
14	CPS_CHISELED_ "+"	17.443	5060.0570	11019.2410	50	CPS_RR_SPIKE	14.704	5829.9720	10573.7520	122	CPS_CHISELED_ "+"_TC7.5S\OFH	16.143	5164.8070	11370.8420	142	CPS_CHISELED_ "+"_TCSWCORLOT	13.317	5308.6820	10276.8500	281	CPS_1\2_RERAR	17.409	5912.1620	11775.2880
15	CPS_CHISELED_ "+"	17.838	5243.8890	10840.9210	53	CPS_CHISELED_ "+"_TC_AT_GATEPOST	15.318	5831.6240	10547.5240	123	CPS_CHISELED_ "+"_AT_CS_PAD	16.585	5674.1530	11067.8240	151	CPS_CHISELED_ "+"_2\S\OSLB	15.465	5862.9250	10229.9650	438	CPS_CHISELED_ "+"_W.ENDCORRIDO	16.166	5495.5690	10581.3950
16	CPS_CHISELED_ "+"	17.828	5235.9640	10601.2900	56	CPS_CHISELED_ "+"_18\NEOPPLE	17.636	5797.0000	10869.0750	124	CPS_CHISELED_ "+"	17.841	5584.1540	11145.7520	161	CPS_MAG_NAIL_16SEOSE_H6	17.680	5232.1280	11116.7120	479	CPS_CHISELED_ "+"_9\WOSSMH	17.931	5514.7950	11099.2300
17	CPS_CHISELED_ "+"_OPPCORRIDOR	17.308	5529.1800	11461.6820	59	CPS_CHISELED_ "+"	17.768	5809.4650	11313.2690	125	CPS_CHISELED_ "+"	17.531	5515.0920	11246.0420	164	CPS_MAG_NAIL_2_SEOSE_H6	17.861	5243.3560	11108.4610	922	CPS_MAG_NAIL	20.668	5825.1300	9635.8720
18	CPS_CHISELED_ "+"	15.899	5174.1840	10245.3050	65	CPF_CHISELED_ "+"_SWCORL+F	16.145	5903.8710	11379.0000	126	CPS_CHISELED_ "+"_14SWOSWROTC	17.721	5180.2120	11125.4400	167	CPS_CHISELED_ "+"_2.5NEONNEWC	17.884	5306.6540	11106.4440	923	CPS_MAG_NAIL	20.996	5816.2200	9700.7760
19	CPS_CHISELED_ "+"	15.218	4981.5220	11194.2560	73	CPS_CHISELED_ "+"_EOWALL	17.892	5500.8060	10750.6860	127	CPS_CHISELED_ "+"	17.792	5520.8030	10985.6290	170	CPS_CHISELED_ "+"_2.5SEOSE	17.880	5338.9990	11104.9350	925	CPS_MAG_NAIL	14.412	6259.5300	8791.6240
20	CPS_CHISELED_ "+"	16.100	5507.0800	11357.2400	74	CPS_CHISELED_ "+"_W.ENDCORRIDO	16.166	5495.5690	10581.3950	128	CPS_CHISELED_ "+"	17.873	5321.9960	11006.7570	185	CPS_CHISELED_ "+"_10SEOSE_E-12	17.812	5349.6020	11290.5710					
21	CPS_CHISELED_ "+"_EONECORTENN	17.730	5131.3110	11486.0960	75	CPS_CHISELED_ "+"_9\WOSSMH	17.931	5514.7950	11099.2300	129	CPS_CHISELED_ "+"	18.002	5375.7920	10834.5830	190	CPS_CHISELED_ "+"_4'E/O_WALL	17.804	5339.1970	11125.7540					
22	CPS_CHISELED_ "+"	14.815	4958.1900	10497.4550	76	CPS_CHISELED_ "+"_8\WOSSMH	17.894	5507.2430	10871.3250	130	CPS_CHISELED_ "+"	17.925	5415.2740	11101.2190	202	CPS_CHISELED_ "+"_11\SWSW	17.877	5229.9800	10873.3330					
23	CPF_CHISELED_ "+"	14.803	5627.3230	10577.9740	79	CPS_CHISELED_ "+"_9\WOSSMH	17.931	5514.7950	11099.2300	131	CPS_CHISELED_ "+"	17.685	5432.9990	11228.6730	204	CPS_CHISELED_ "+"	15.035	5814.5850	10492.1120					



SHEET
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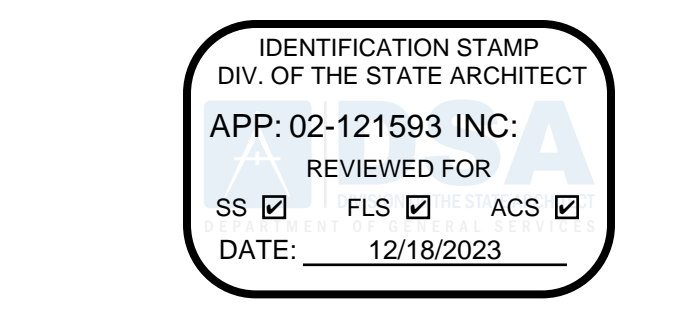
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WARREN CONSULTING ENGINEERS, INC. 117 WINDFIELD WAY, SUITE 110 EL CORRALO HILLS, CA 90702 (916) 985-1870

PROJECT: LUTHER BURBANK HIGH SCHOOL ATHLETIC FIELDS RENOVATION. 3500 FLORIN ROAD SACRAMENTO, CA 95823. CLIENT: SACRAMENTO CITY UNIFIED SCHOOL DISTRICT. 5735 47TH AVENUE, SACRAMENTO, CA 95824.

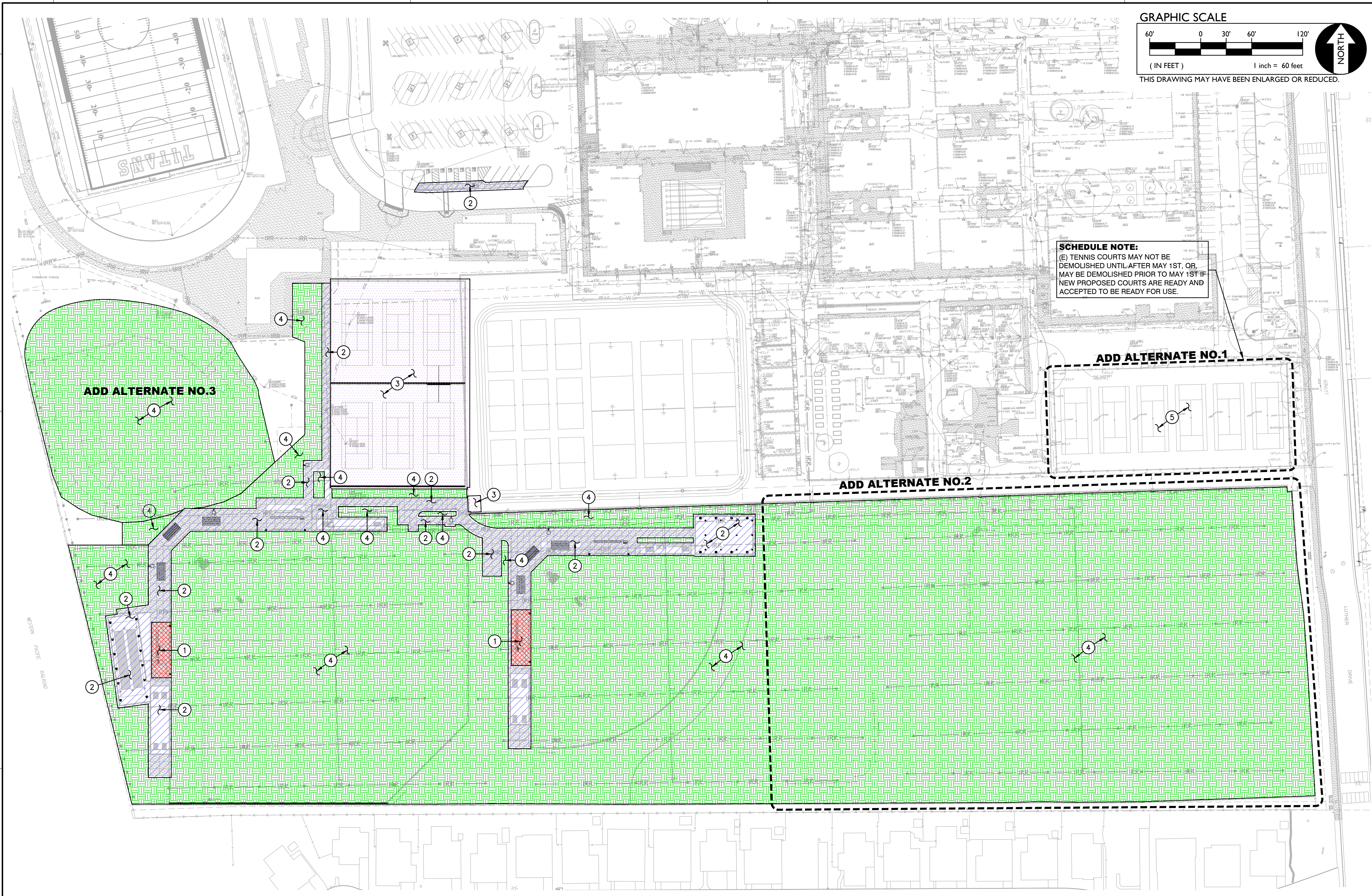
ISSUED table with columns: MARK, DATE, DESCRIPTION. Shows revision 1 on 12/01/2023 for DSA APPROVAL.

MANAGEMENT: LIONAKIS PROJECT NO: 023041, DSA APPLICATION NO: 02-121593, CLIENT PROJECT NO: #000, COPYRIGHT: LIONAKIS 2017

TITLE: CONSTRUCTION POINT LIST

SHEET: CS601

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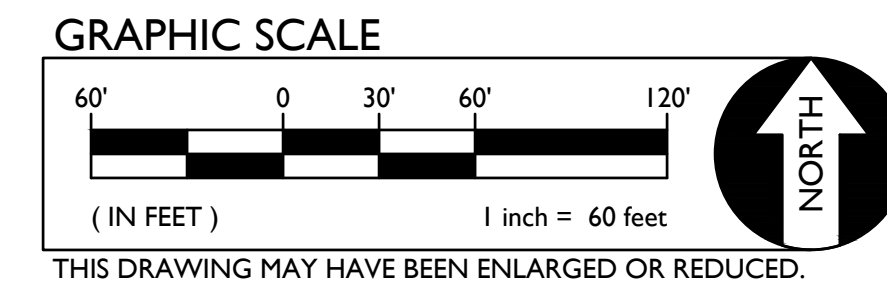


SCHEDULE NOTE:
(E) TENNIS COURTS MAY NOT BE DEMOLISHED UNTIL AFTER MAY 1ST, OR MAY BE DEMOLISHED PRIOR TO MAY 1ST IF NEW PROPOSED COURTS ARE READY AND ACCEPTED TO BE READY FOR USE.

ADD ALTERNATE NO. 1

ADD ALTERNATE NO. 2

ADD ALTERNATE NO. 3



ENGINEERED FILL LEGEND

1 DUGGOUT PAD AREA SUBGRADE PREPARATION
FOLLOWING THE SITE DEMOLITION AND STRIPPING AS OUTLINED IN THESE PLANS AND PROJECT SPECIFICATIONS, EXCAVATE AS NEEDED TO PROPOSED SUBGRADE ELEVATION. CONTRACTOR SHALL CONSULT ON-SITE GEOTECHNICAL ENGINEER TO ENSURE THAT NO LOOSE FILLS ARE PRESENT AT THIS STAGE WHICH REQUIRE ADDITIONAL EXCAVATION. IF PRESENT, CONTRACTOR SHALL OVER-EXCAVATE TO FIRM NATIVE SOILS. OVER-EXCAVATION DEPTH SHALL BE UNIFORM AND NO "SLOT CUTTING" BELOW FOUNDATIONS ELEMENTS WILL BE ALLOWED. BACKFILL SUCH OVER-EXCAVATIONS WITH NON-EXPANSIVE ENGINEERED FILL PER SECTION 31 00 00.
FOLLOWING EXCAVATION TO SUBGRADE, CONTRACTOR SHALL TREAT, GRADE AND COMPACT THE UPPER 12" (MINIMUM) WITH LIME IN ACCORDANCE WITH SECTION 31 32 00.
FOLLOWING LIME TREATMENT AND CURING, CONTRACTOR SHALL COVER AND PROTECT BUILDING PADS FROM MOISTURE LOSS IF INTENDED TO SIT FOR LONG PERIODS (EXCESS OF 1 WEEK). COVERINGS/METHODS SHALL BE PLASTIC SHEETING OR OTHER COVERINGS, OR BASE ROCK OR OTHER CAPILLARY BREAK APPROVED BY THE SITE GEOTECHNICAL ENGINEER.
THE LIMITS OF SUBGRADE PREPARATION SHALL EXTEND AT LEAST 5 FEET BEYOND EDGE OF PROPOSED BUILDING OR FOUNDATION ELEMENTS. THIS TREATMENT SHALL OVERRIDE ALL TREATMENTS LISTED BELOW WHEN OVERLAPPING CONDITIONS EXIST.
UTILITIES SHOULD BE INSTALLED PRIOR TO LIME TREATMENT TO THE MAXIMUM PRACTICAL EXTENT. ANY TRENCHING PERFORMED THROUGH THE LIME SHALL COMPLY WITH SECTION 31 32 00 AND 32 23 33. LIME TREATED AND CURED SOIL THAT IS RE-EXCAVATED MAY NOT BE RE-USED UNLESS RE-TREATED AND CURED WITH LIME. IT IS RECOMMENDED IT BE REMOVED FROM THE SITE. CONTRACTOR MAY BE REQUIRED TO MIX THIS SOIL WITH NON-LIME TREATED SOIL UNTIL THE PH IS AT AN ACCEPTABLE LEVEL TO BE RECEIVED, AND CONTRACTOR SHALL PERFORM THIS STEP AS NEEDED.

2 CONCRETE FLATWORK SUBGRADE PREPARATION
FOLLOWING THE SITE DEMOLITION AND STRIPPING AS OUTLINED IN THESE PLANS AND PROJECT SPECIFICATIONS, EXCAVATE AS NEEDED TO PROPOSED SUBGRADE ELEVATION. CONTRACTOR SHALL CONSULT ON-SITE GEOTECHNICAL ENGINEER TO ENSURE THAT NO LOOSE FILLS ARE PRESENT AT THIS STAGE WHICH REQUIRE ADDITIONAL EXCAVATION. IF PRESENT, CONTRACTOR SHALL OVER-EXCAVATE TO FIRM NATIVE SOILS. OVER-EXCAVATION DEPTH SHALL BE UNIFORM AND NO "SLOT CUTTING" BELOW FOUNDATIONS ELEMENTS WILL BE ALLOWED. BACKFILL SUCH OVER-EXCAVATIONS WITH NON-EXPANSIVE ENGINEERED FILL PER SECTION 31 00 00.
FOLLOWING EXCAVATION TO SUBGRADE, CONTRACTOR SHALL MAY PROCEED WITH EITHER OF THE FOLLOWING OPTIONS:
OPTION 1
TREAT, GRADE AND COMPACT THE UPPER 12" (MINIMUM) WITH LIME IN ACCORDANCE WITH SECTION 31 32 00.
FOLLOWING LIME TREATMENT AND CURING, CONTRACTOR SHALL COVER AND PROTECT BUILDING PADS FROM MOISTURE LOSS IF INTENDED TO SIT FOR LONG PERIODS (EXCESS OF 1 WEEK). COVERINGS/METHODS SHALL BE PLASTIC SHEETING OR OTHER COVERINGS, OR BASE ROCK OR OTHER CAPILLARY BREAK APPROVED BY THE SITE GEOTECHNICAL ENGINEER.
UTILITIES SHOULD BE INSTALLED PRIOR TO LIME TREATMENT TO THE MAXIMUM PRACTICAL EXTENT. ANY TRENCHING PERFORMED THROUGH THE LIME SHALL COMPLY WITH SECTION 31 32 00 AND 32 23 33. LIME TREATED AND CURED SOIL THAT IS RE-EXCAVATED MAY NOT BE RE-USED UNLESS RE-TREATED AND CURED WITH LIME. IT IS RECOMMENDED IT BE REMOVED FROM THE SITE. CONTRACTOR MAY BE REQUIRED TO MIX THIS SOIL WITH NON-LIME TREATED SOIL UNTIL THE PH IS AT AN ACCEPTABLE LEVEL TO BE RECEIVED, AND CONTRACTOR SHALL PERFORM THIS STEP AS NEEDED.
OPTION 2
CONTINUE TO OVER-EXCAVATE TO 12" BELOW SUBGRADE ELEVATION. SCARIFY THE UNDERLYING SOIL TO A DEPTH OF 12", MOISTURE CONDITION TO 2% ABOVE THE OPTIMUM AND RE-COMPACT TO 90% RELATIVE COMPACTION. IF SHALLOW UTILITIES MAKE SCARIFICATION AND RE-COMPACTMENT REASONABLY DIFFICULT, CONTRACTOR MAY REDUCE SCARIFICATION AND RE-COMPACT TO 6" DEEP (OR LESS WITH ON-SITE GEOTECHNICAL ENGINEER APPROVAL), AND USE ONLY A STATIC ROLLER.
ONCE COMPACTED, IF 90% IS NOT ACHIEVED, OR SCARIFICATION DEPTH IS REDUCED BELOW 12", PROVIDE TENSAR BX1100 OR TX140 GEOGRID AND 12" OF CALTRANS CLASS II AB, IN 6" LIFTS, EACH MOISTURE CONDITION AND COMPACTED TO 95% UNTIL SUBGRADE ELEVATION IS ACHIEVED.
THE LIMITS OF SUBGRADE PREPARATION SHALL EXTEND AT LEAST 2 FEET BEYOND EDGE OF PROPOSED PAVEMENT OR FLATWORK LIMITS. THIS TREATMENT SHALL OVERRIDE ALL TREATMENTS LISTED BELOW WHEN OVERLAPPING CONDITIONS EXIST.

3 ASPHALT PAVING, PLAY APPARATUS & SYNTHETIC SURFACING SUBGRADE PREPARATION
FOLLOWING THE SITE DEMOLITION AND STRIPPING AS OUTLINED IN THESE PLANS AND PROJECT SPECIFICATIONS, EXCAVATE AS NEEDED TO PROPOSED SUBGRADE ELEVATION. CONTRACTOR SHALL CONSULT ON-SITE GEOTECHNICAL ENGINEER TO ENSURE THAT NO LOOSE FILLS ARE PRESENT AT THIS STAGE WHICH REQUIRE ADDITIONAL EXCAVATION. IF PRESENT, CONTRACTOR SHALL OVER-EXCAVATE TO FIRM NATIVE SOILS. OVER-EXCAVATION DEPTH SHALL BE UNIFORM AND NO "SLOT CUTTING" BELOW FOUNDATIONS ELEMENTS WILL BE ALLOWED. BACKFILL SUCH OVER-EXCAVATIONS WITH NON-EXPANSIVE ENGINEERED FILL PER SECTION 31 00 00.
FOLLOWING EXCAVATION TO SUBGRADE, CONTRACTOR SHALL MAY PROCEED WITH EITHER OF THE FOLLOWING OPTIONS:
OPTION 1
TREAT, GRADE AND COMPACT THE UPPER 12" (MINIMUM) WITH LIME IN ACCORDANCE WITH SECTION 31 32 00.
FOLLOWING LIME TREATMENT AND CURING, CONTRACTOR SHALL COVER AND PROTECT BUILDING PADS FROM MOISTURE LOSS IF INTENDED TO SIT FOR LONG PERIODS (EXCESS OF 1 WEEK). COVERINGS/METHODS SHALL BE PLASTIC SHEETING OR OTHER COVERINGS, OR BASE ROCK OR OTHER CAPILLARY BREAK APPROVED BY THE SITE GEOTECHNICAL ENGINEER.
UTILITIES SHOULD BE INSTALLED PRIOR TO LIME TREATMENT TO THE MAXIMUM PRACTICAL EXTENT. ANY TRENCHING PERFORMED THROUGH THE LIME SHALL COMPLY WITH SECTION 31 32 00 AND 32 23 33. LIME TREATED AND CURED SOIL THAT IS RE-EXCAVATED MAY NOT BE RE-USED UNLESS RE-TREATED AND CURED WITH LIME. IT IS RECOMMENDED IT BE REMOVED FROM THE SITE. CONTRACTOR MAY BE REQUIRED TO MIX THIS SOIL WITH NON-LIME TREATED SOIL UNTIL THE PH IS AT AN ACCEPTABLE LEVEL TO BE RECEIVED, AND CONTRACTOR SHALL PERFORM THIS STEP AS NEEDED.
OPTION 2
CONTINUE TO OVER-EXCAVATE TO 12" BELOW SUBGRADE ELEVATION. SCARIFY THE UNDERLYING SOIL TO A DEPTH OF 12", MOISTURE CONDITION TO 2% ABOVE THE OPTIMUM AND RE-COMPACT TO 90% RELATIVE COMPACTION. IF SHALLOW UTILITIES MAKE SCARIFICATION AND RE-COMPACTMENT REASONABLY DIFFICULT, CONTRACTOR MAY REDUCE SCARIFICATION AND RE-COMPACT TO 6" DEEP (OR LESS WITH ON-SITE GEOTECHNICAL ENGINEER APPROVAL), AND USE ONLY A STATIC ROLLER.
ONCE COMPACTED, IF 90% IS NOT ACHIEVED, OR SCARIFICATION DEPTH IS REDUCED BELOW 12", PROVIDE TENSAR BX1100 OR TX140 GEOGRID AND 12" OF CALTRANS CLASS II AB, IN 6" LIFTS, EACH MOISTURE CONDITION AND COMPACTED TO 95% UNTIL SUBGRADE ELEVATION IS ACHIEVED.
THE LIMITS OF SUBGRADE PREPARATION SHALL EXTEND AT LEAST 2 FEET BEYOND EDGE OF PROPOSED PAVEMENT OR FLATWORK LIMITS. THIS TREATMENT SHALL OVERRIDE ALL TREATMENTS LISTED BELOW WHEN OVERLAPPING CONDITIONS EXIST.

4 OTHER NON-PAVING EARTHWORK AREAS (LANDSCAPING)
FOLLOWING THE SITE DEMOLITION AND STRIPPING AS OUTLINED IN THESE PLANS AND PROJECT SPECIFICATIONS, EXCAVATE AS NEEDED TO PROPOSED SUBGRADE FOR TOPSOIL OR OTHER NON-PAVING SURFACING ELEVATION. CONTRACTOR SHALL CONSULT ON-SITE GEOTECHNICAL ENGINEER TO ENSURE THAT NO LOOSE FILLS ARE PRESENT AT THIS STAGE WHICH REQUIRE ADDITIONAL EXCAVATION. IF PRESENT, CONTRACTOR SHALL OVER-EXCAVATE TO FIRM NATIVE SOILS.
CONTRACTOR SHALL SCARIFY UNDERLYING NATIVE SOILS TO A DEPTH OF 12 INCHES. MOISTURE CONDITION TO 2% ABOVE THE OPTIMUM MOISTURE CONTENT, AND RE-COMPACT TO 90% RELATIVE COMPACTION, PER ASTM D1557.
IF FILL NECESSARY TO REACH SUBGRADE, PLACE APPROVED ENGINEERED FILL (NATIVE OR IMPORT) IN LIFTS THAT DO NOT EXCEED 6" IN COMPACTED THICKNESS, EACH MOISTURE CONDITIONED AND COMPACTED AS SPECIFIED ABOVE. PLACE LIFTS AS IDENTIFIED UNTIL FINAL SUBGRADE ELEVATION IS ACHIEVED AND READY FOR TOPSOIL OR OTHER NON-PAVING SURFACING AS INDICATED.
MOISTURE CONTENT AND COMPACTION SHALL BE TESTED WITHIN 48 HOURS OF PLACEMENT OF TOPSOIL OR OTHER NON-PAVING TYPE SURFACING.
THE LIMITS OF PAVEMENT SUBGRADE PREPARATION SHALL EXTEND AT LEAST 2 FEET BEYOND EDGE OF PROPOSED PAVING LIMITS. THIS TREATMENT SHALL BE OVERRIDDEN BY ALL SUBGRADE PREPARATION LISTED ABOVE, WHEN OVERLAPPING CONDITIONS EXIST, AND OVERRIDE ALL THOSE LISTED BELOW.

5 TENNIS COURT REMOVAL
FOLLOWING TENNIS COURT PAVING AND AGGREGATE BASE REMOVAL, REMOVE ALL LOOSE MATERIAL AND DEBRIS AND FILL AND COMPACT ALL NET POST FOOTING HOLES WITH ENGINEERED FILL, COMPACTED IN 6" LIFTS, EACH TO 90% GRADE AND PLANE AREA SMOOTH FOR NEW SURFACING AND COMPACTED TOP 6" TO 95% SEE PAVING PLAN.

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DATE: 12/18/2023

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PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 4TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
-	12/01/2023	DSA APPROVAL

MANAGEMENT

LIONAKIS PROJECT NO.	023041
DSA APPLICATION NO.	02-121593
CLIENT PROJECT NO.	####
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TITLE
**ENGINEERED
FILL PLAN**

SHEET
CG101

1 ENGINEERED FILL PLAN

SCALE 1" = 60'-0"

ENGINEERED FILL GENERAL NOTES

- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE GEOTECHNICAL ENGINEERING REPORT:
REPORT TITLE: LUTHER BURBANK HIGH SCHOOL ATHLETIC FIELD IMPROVEMENTS
COMPANY: Universal Engineering Sciences REPORT DATE: October 16, 2023
CONTACT: Joseph R. Ybarra PHONE: 916-572-1434 PROJ NO. 4630.2300086.0016
REPORT WAS NOT PREPARED SPECIFICALLY FOR THIS PROJECT BUT FOR AN ADJOINING PROJECT. NO WARRANTY OR GUARANTEE IS EXPRESSED THAT THE RESULTS IN THIS STUDY ARE COMPLETELY APPLICABLE TO THIS PROJECT. REPORT HAS BEEN USED FOR REFERENCE ONLY.
- IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
- NO BURNING OR BLASTING SHALL BE PERMITTED, UNLESS APPROVED BY THE ARCHITECT AND CITY ENGINEER, AND GEOTECHNICAL ENGINEER OF RECORD.
- THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.
- NATIVE SOILS ARE EXPECTED TO BE CLAYEY IN NATURE WITH HIGH TO MEDIUM EXPANSION POTENTIAL AND NOT SUITABLE FOR DIRECT SUPPORT OF INTERIOR AND EXTERIOR FLATWORK AND SUBGRADES WITHOUT PROCESSING AND TREATMENT, OR SIGNIFICANT BASE/PAVEMENT SECTIONS AS INDICATED. SOILS MAY BE WET WHEN EXCAVATED AND WILL NEED MOISTURE CONDITIONING PROCEDURES PRIOR TO EFFECTIVE GRADING AND COMPACTION.
- SITE SHALL BE CLEARED AND STRIPPED IN ACCORDANCE WITH THE DEMOLITION PLAN AND PROJECT SPECIFICATIONS. ANY ABNORMAL CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR DIRECTION.
- DUE TO PROJECT SCHEDULE, WEATHER OR OTHER SITUATIONS, OTHER SUBGRADE STABILIZATION METHODS MAY BE ENTERTAINED THROUGH THE RFI PROCESS, BUT SHALL BE REVIEWED AND BASED ON RECOMMENDATIONS BY THE SITE GEOTECHNICAL ENGINEER PROVIDE TO FILING THE REQUEST. INCLUDE FIELD REPORT WITH RECOMMENDATIONS FROM SITE GEOTECHNICAL ENGINEER IN REQUEST.
- ALL FILL MATERIAL, NATIVE PROCESSED ON-SITE MATERIAL OR IMPORTED, SHALL BE REVIEWED AND APPROVED BY THE SITE GEOTECHNICAL ENGINEER BEFORE USED AS ENGINEERED FILL.

ORGANIC STRIPPINGS

- STRIPPINGS AND SOIL CONTAINING ORGANIC MATERIAL (>3%) SHOULD NOT BE USED IN GENERAL FILL CONSTRUCTION AREAS SUPPORTING STRUCTURES, INTERIOR/EXTERIOR CONCRETE SLABS, AND ASPHALT AND CONCRETE FLATWORK, WITH PRIOR APPROVAL BY THE LANDSCAPE ARCHITECT ON A CASE-BY-CASE BASIS, AND FOLLOWING REVIEW OF FIELD SOILS CONDITIONS, STRIPPINGS AND SOIL CONTAINING ORGANIC MATERIAL MAY BE USED IN LANDSCAPE AREAS, PROVIDED THEY ARE KEPT AT LEAST FIVE FEET FROM THE BUILDING PADS AND OTHER SURFACE IMPROVEMENTS, MOISTURE CONDITIONED, AND COMPACTED.
- SOIL MOISTURE**
- ON-SITE SOILS WILL LIKELY BE MORE SATURATED IN FALL, WINTER AND SPRING MONTHS. SOILS BENEATH EXISTING PAVEMENTS MAY BE SATURATED REGARDLESS OF TIME OF YEAR. THEY WILL NOT BE COMPATIBLE WITHOUT AERATION, CHEMICAL TREATMENT OR REMOVAL AND REPLACEMENT. CONTRACTOR SHOULD ANTICIPATE THIS IN THE CONSTRUCTION SCHEDULE AND MAKE ARRANGEMENTS TO PERFORM THIS WORK AS NEEDED. OFTEN, A PERIOD OF AT LEAST ONE MONTH OF WARM AND DRY WEATHER IS NECESSARY TO ALLOW THE SITE TO DRY SUFFICIENTLY SO THAT HEAVY GRADING EQUIPMENT CAN OPERATE EFFECTIVELY AND REQUIRED COMPACTION CAN BE ACHIEVED. CONVERSELY, DURING THE SEASONAL DRY PERIOD (TYPICALLY SUMMER AND FALL), DRY SOILS MAY REQUIRE ADDITIONAL GRADING EFFORT (DISCING OR OTHER MEANS) TO ATTAIN PROPER MOISTURE CONDITIONING.
- PLASTICITY INDEX SHALL BE 15 OR LESS.
 - AN EXPANSION INDEX OF 20 OR LESS
 - SHALL NOT CONTAIN ROCKS OR PARTICLES LARGER THAN 3 INCHES IN DIAMETER.
 - CONTAIN SUFFICIENT BINDER TO PREVENT CAVING WHEN EXCAVATED.
 - SHALL BE DOCUMENTED CLEAN OF CONTAMINATION OR SIGNIFICANT CONCENTRATIONS OF ORGANIC MATERIAL, NO MORE THAN 3% BY WEIGHT.
 - SHALL BE DOCUMENTED OR CERTIFIED NON-CORROSIVE, WITHIN ACCEPTABLE LIMITS, (LESS THAN 0.05% SULFATES BY WEIGHT AND MIN. RESISTIVITY OF >3,000 OHMS-CM.
 - MEETS OR EXCEEDS DTSC REQUIREMENTS FOR USE ON A SCHOOL SITE.
- ALL IMPORTED FILLS SHALL BE APPROVED BY THE SITE GEOTECHNICAL ENGINEER PRIOR TO TRANSPORTATION TO THE SITE, AND PRIOR TO ACQUISITION BY THE CONTRACTOR. NO ADDITIONAL COSTS WILL BE GRANTED TO THE CONTRACTOR FOR EXTRA PROCUREMENT WORK AS A RESULT OF REJECTED IMPORT SOILS.
- TEMPORARY CONTRACTOR STAGING / LAY DOWN SPACES TO BE UTILIZED BY CONTRACTOR SHALL BE RETURNED TO EXISTING CONDITIONS OR GREATER TO THE SATISFACTION OF THE SCHOOL DISTRICT, AND SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL TEST IRRIGATION SYSTEMS WITH OWNER PRIOR TO THE START OF CONSTRUCTION TO DETERMINE ALL OPERATIONAL AND NON-OPERATIONAL SYSTEMS. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ALL IRRIGATION SYSTEMS WITHIN THE LIMITS OF WORK BROKEN DURING CONSTRUCTION.
 - ALL DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION TO ROADS AND ACCESS WAYS USED BY CONSTRUCTION EQUIPMENT INTO AND OUT OF THE SITE SHALL BE REPAIRED AFTER CONSTRUCTION IS COMPLETE. IT IS HIGHLY RECOMMENDED PHOTO DOCUMENTATION OF EXISTING CONDITIONS IS PERFORMED BY CONTRACTOR PRIOR TO CONSTRUCTION.

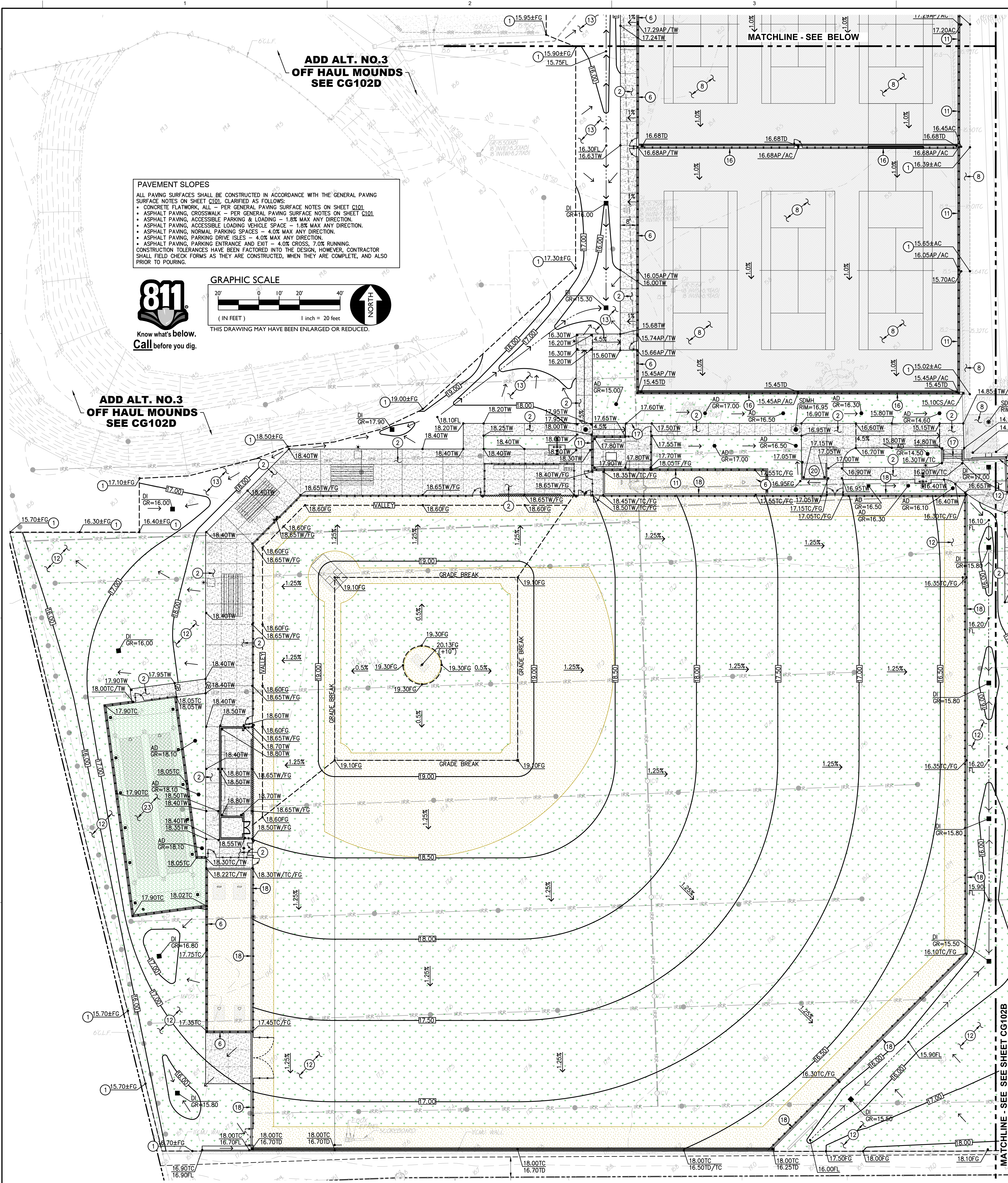
811
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STRIPPINGS AND SOIL CONTAINING ORGANIC MATERIAL (>3%) SHOULD NOT BE USED IN GENERAL FILL CONSTRUCTION AREAS SUPPORTING STRUCTURES, INTERIOR/EXTERIOR CONCRETE SLABS, AND ASPHALT AND CONCRETE FLATWORK, WITH PRIOR APPROVAL BY THE LANDSCAPE ARCHITECT ON A CASE-BY-CASE BASIS, AND FOLLOWING REVIEW OF FIELD SOILS CONDITIONS, STRIPPINGS AND SOIL CONTAINING ORGANIC MATERIAL MAY BE USED IN LANDSCAPE AREAS, PROVIDED THEY ARE KEPT AT LEAST FIVE FEET FROM THE BUILDING PADS AND OTHER SURFACE IMPROVEMENTS, MOISTURE CONDITIONED, AND COMPACTED.

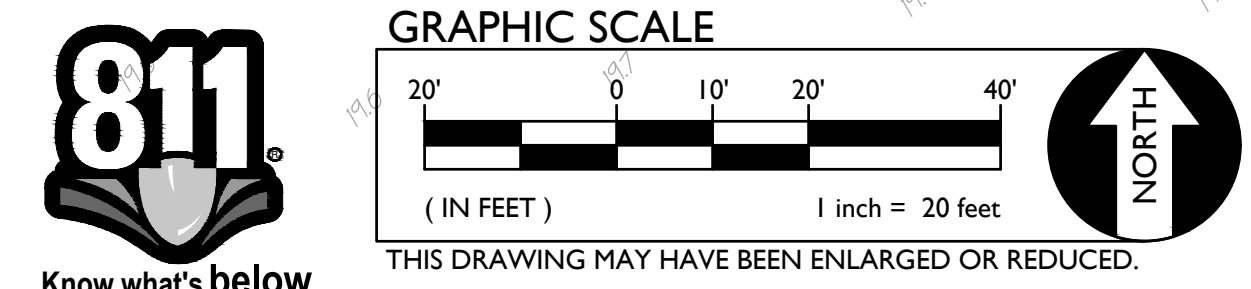
SOIL MOISTURE

ON-SITE SOILS WILL LIKELY BE MORE SATURATED IN FALL, WINTER AND SPRING MONTHS. SOILS BENEATH EXISTING PAVEMENTS MAY BE SATURATED REGARDLESS OF TIME OF YEAR. THEY WILL NOT BE COMPATIBLE WITHOUT AERATION, CHEMICAL TREATMENT OR REMOVAL AND REPLACEMENT. CONTRACTOR SHOULD ANTICIPATE THIS IN THE CONSTRUCTION SCHEDULE AND MAKE ARRANGEMENTS TO PERFORM THIS WORK AS NEEDED. OFTEN, A PERIOD OF AT LEAST ONE MONTH OF WARM AND DRY WEATHER IS NECESSARY TO ALLOW THE SITE TO DRY SUFFICIENTLY SO THAT HEAVY GRADING EQUIPMENT CAN OPERATE EFFECTIVELY AND REQUIRED COMPACTION CAN BE ACHIEVED. CONVERSELY, DURING THE SEASONAL DRY PERIOD (TYPICALLY SUMMER AND FALL), DRY SOILS MAY REQUIRE ADDITIONAL GRADING EFFORT (DISCING OR OTHER MEANS) TO ATTAIN PROPER MOISTURE CONDITIONING.

IF THIS SHEET IS NOT 30"x42" IT IS A REDUCED PRINT - SCALE ACCORDINGLY 0 1/4" = 1'

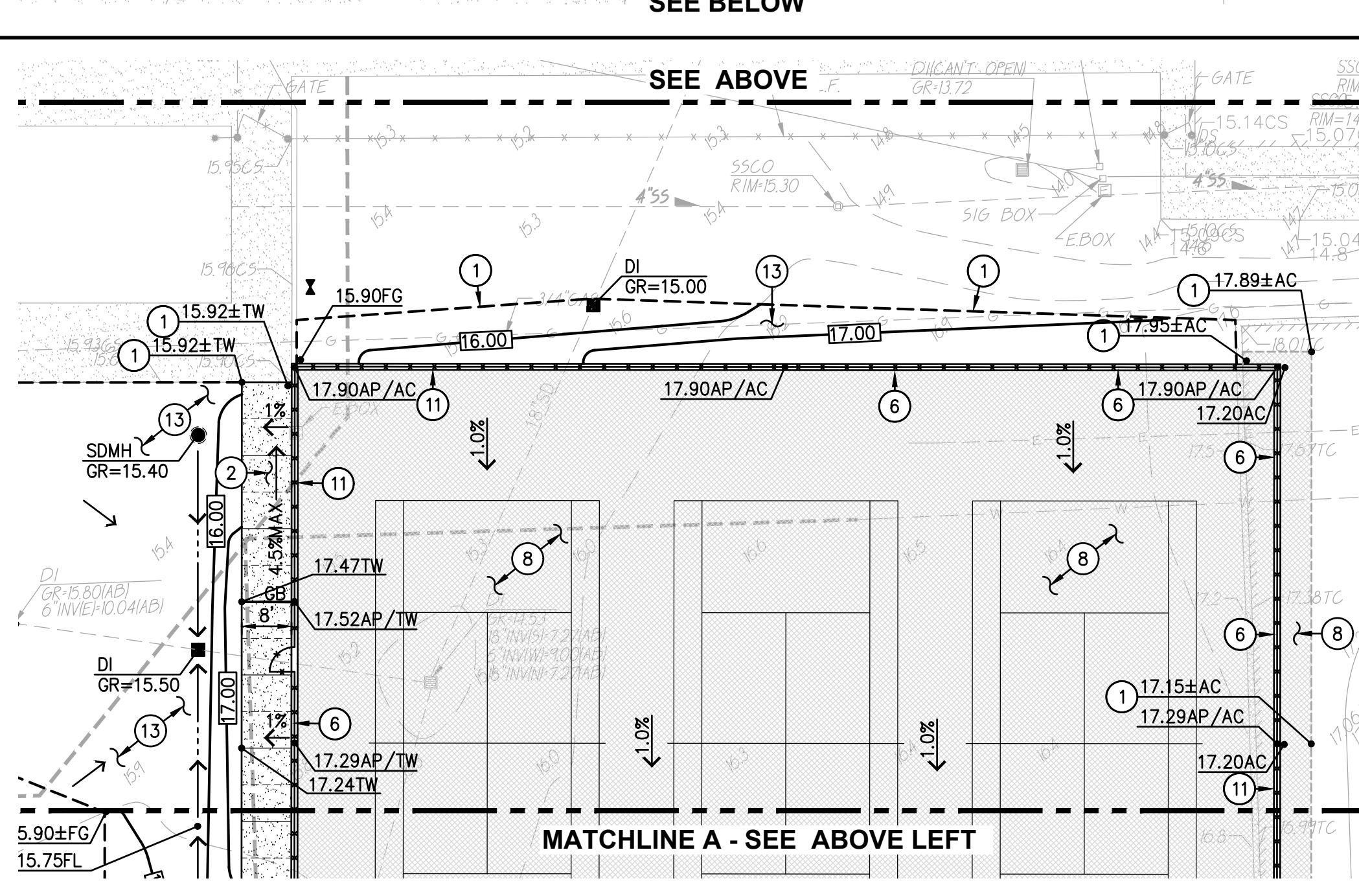
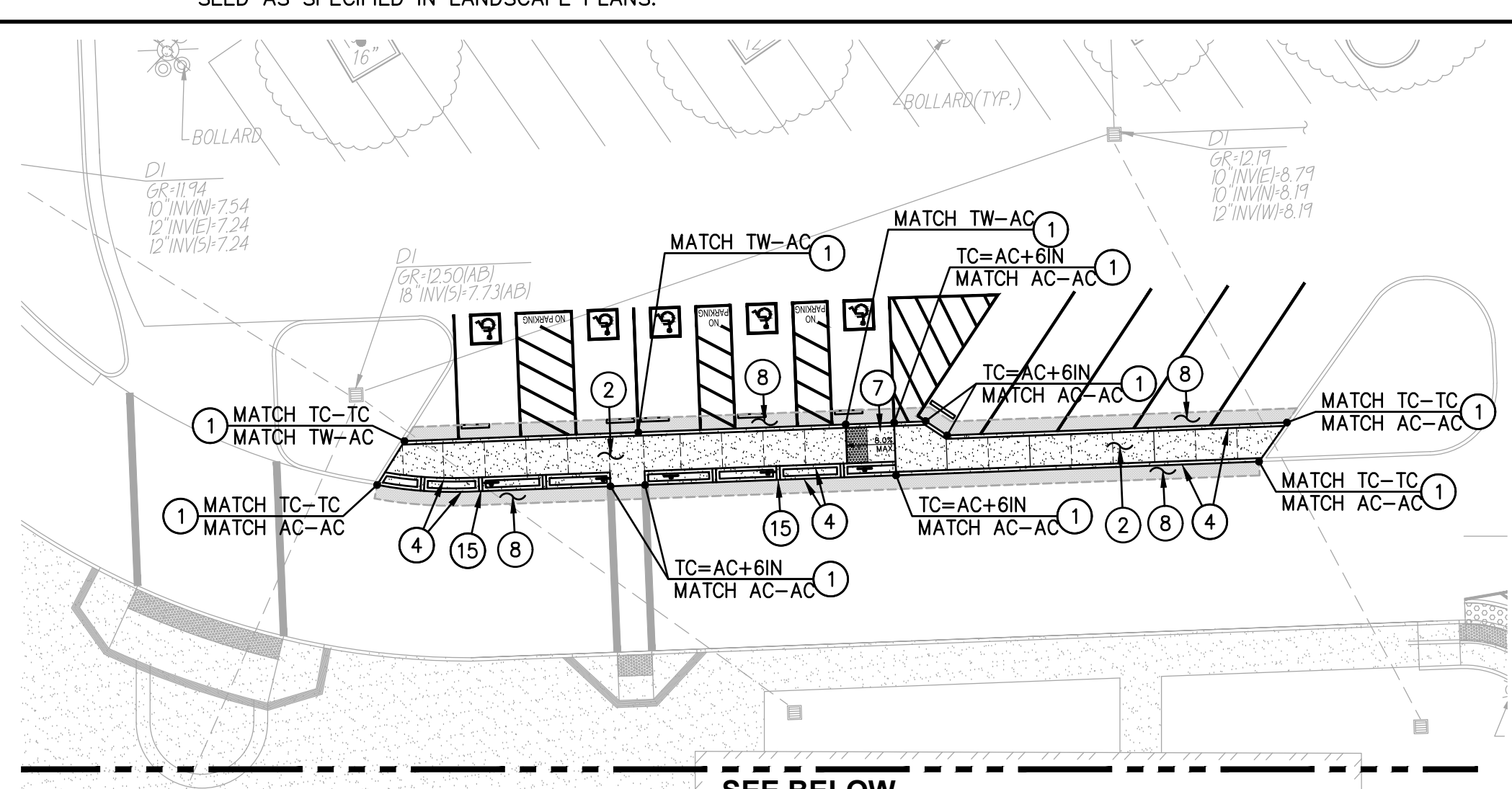


PAVEMENT SLOPES
 ALL PAVING SURFACES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GENERAL PAVING SURFACE NOTES ON SHEET C101, CLARIFIED AS FOLLOWS:
 • CONCRETE FLATWORK - ALL - PER GENERAL PAVING SURFACE NOTES ON SHEET C101
 • ASPHALT PAVING, CROSSWALK - PER GENERAL PAVING SURFACE NOTES ON SHEET C101
 • ASPHALT PAVING, ACCESSIBLE PARKING & LOADING - 1.8% MAX ANY DIRECTION.
 • ASPHALT PAVING, ACCESSIBLE LOADING VEHICLE SPACE - 1.8% MAX ANY DIRECTION.
 • ASPHALT PAVING, NORMAL PARKING SPACES - 4.0% MAX ANY DIRECTION.
 • ASPHALT PAVING, PARKING DRIVE ISLES - 4.0% MAX ANY DIRECTION.
 • ASPHALT PAVING, PARKING ENTRANCE AND EXIT - 4.0% CROSS, 7.0% RUNNING.
 CONSTRUCTION TOLERANCES HAVE BEEN FACTORED INTO THE DESIGN, HOWEVER, CONTRACTOR SHALL FIELD CHECK FORMS AS THEY ARE CONSTRUCTED, WHEN THEY ARE COMPLETE, AND ALSO PRIOR TO POURING.



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- LEGEND**
- 1. MATCH EXISTING GRADE/ELEVATION, WHEN MATCHING NEW SLABS TO EXISTING, DOWEL SLABS PER THE DETAIL PROVIDED, DOWEL SPACING SHALL MATCH SLAB REINFORCING SPACING.
 - 2. PLACE CONCRETE PAVING PER THE TYPICAL DETAILS PROVIDED. REFER TO PAVING PLAN FOR SECTIONS. REFER TO SPECIFICATIONS SECTION 31 00 00 FOR SUBGRADE PREPARATION, SECTION 32 16 00 FOR CONCRETE PAVING.
 - 3. CONSTRUCT CONCRETE VALLEY GUTTER PER THE DETAIL PROVIDED.
 - 4. CONSTRUCT CONCRETE CURB PER THE DETAIL PROVIDED.
 - 5. CONSTRUCT CONCRETE RETAINING CURB PER THE DETAIL PROVIDED.
 - 6. CONSTRUCT 12" WIDE CONCRETE APRON WITH FENCING PER THE DETAIL PROVIDED. SEE ARCH. AND LANDSCAPE PLANS FOR NEW FENCING.
 - 7. CONSTRUCT TYPE 1 ACCESSIBLE CURB RAMP PER THE DETAIL PROVIDED.
 - 8. ASPHALT PAVING. REFER TO PAVING PLAN FOR SECTIONS. REFER TO SPECIFICATIONS SECTION 32 12 00 FOR MATERIALS AND CONSTRUCTION. REFER TO SECTION 31 00 00 FOR SUBGRADE PREPARATION.
 - 9. CONSTRUCT FLUSH CONCRETE CURB/EDGE PER THE DETAIL PROVIDED.
 - 10. GRADE AND CONSTRUCT UNIFORM DRAINAGE SWALE IN FINISHED GRADE. RUNNING SLOPE SHALL BE NO LESS THAN 0.75%, SIDE SLOPE SHALL BE NO GREATER THAN 5H:1V. AFTER SWALES ARE GRADED, CONTRACTOR TO ENSURE LANDSCAPER DOES NOT ALTER, BLOCK OR OTHERWISE CHANGE SWALE IN A WAY THAT WOULD STOP GRADE.
 - 11. CONSTRUCT 12" WIDE RAISED CONCRETE APRON AT NEW OR EXISTING FENCING PER THE DETAIL PROVIDED. SEE ARCH. AND LANDSCAPE PLANS FOR FENCING.
 - 12. PROVIDE TOPSOIL FOR NEW PLANTING, SEE PAVING PLAN AND LANDSCAPE PLANS FOR NEW PLANTING/SURFACING. SEE ALSO SPECIFICATION SECTIONS 31 00 00 AND 32 90 00.
 - 13. PATCH BACK EXISTING LANDSCAPING ALONG EDGES OF WORK AND AREAS IDENTIFIED. MATCH EXISTING CONDITIONS, IF NO EXISTING LANDSCAPING PRESENT, PROVIDED EROSION HYDROSEED AT MINIMUM. SEE LANDSCAPE PLANS AND SPECIFICATION SECTIONS 31 00 00 AND 32 90 00.
 - 14. REPLACE EXISTING UTILITY BOX WITH NEW TRAFFIC RATED BOX SET AT PROPOSED FINISHED GRADE. BOX SIZE SHALL MEET OR EXISTING EXISTING VAULT SIZE. APPROVED BOXES SHALL BE JENSEN HT107, HT1324, HT1730, HT2436 OR HT3048, OR APPROVED EQUAL. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
 - 15. CONSTRUCT 6" WIDE NOTCH IN 24" WIDE MEDIAN. NOTCHES SHALL BE FLUSH WITH PAVING TO ALLOW DRAINAGE AND SHALL BE AT 7' O.C. MAX
 - 16. CONSTRUCT CONCRETE TRENCH DRAIN WITH FENCE APRON PER THE DETAIL PROVIDED.
 - 17. CONSTRUCT CONCRETE STAIRWAY WITH EDGE CURBS. REFER TO LANDSCAPE DETAILS FOR RAILINGS AND CIVIL DETAIL FOR CONC.
 - 18. CONSTRUCT 6" WIDE CONCRETE PLANTING EDGE CURB PER THE DETAIL PROVIDED.
 - 19. CONSTRUCT CONCRETE RETAINING CURB PER THE DETAIL PROVIDED.
 - 20. CONSTRUCT CONCRETE MATERIAL STORAGE ENCLOSURE PER THE DETAIL PROVIDED.
 - 21. SEE PAVING PLAN FOR NEW SURFACING. FINISH GRADE SHALL MATCH THE EXISTING AC FINISHED GRADE.
 - 22. FOLLOWING LAWN REMOVAL, GRADE TO SMOOTH AND PLANE EXISTING GRADE TO A UNIFORM FINISH, FILL AND PROVIDE NEW TOPSOIL WHERE NEEDED, THEN AMEND AND PLACE NEW SOD OR SEED AS SPECIFIED IN LANDSCAPE PLANS.



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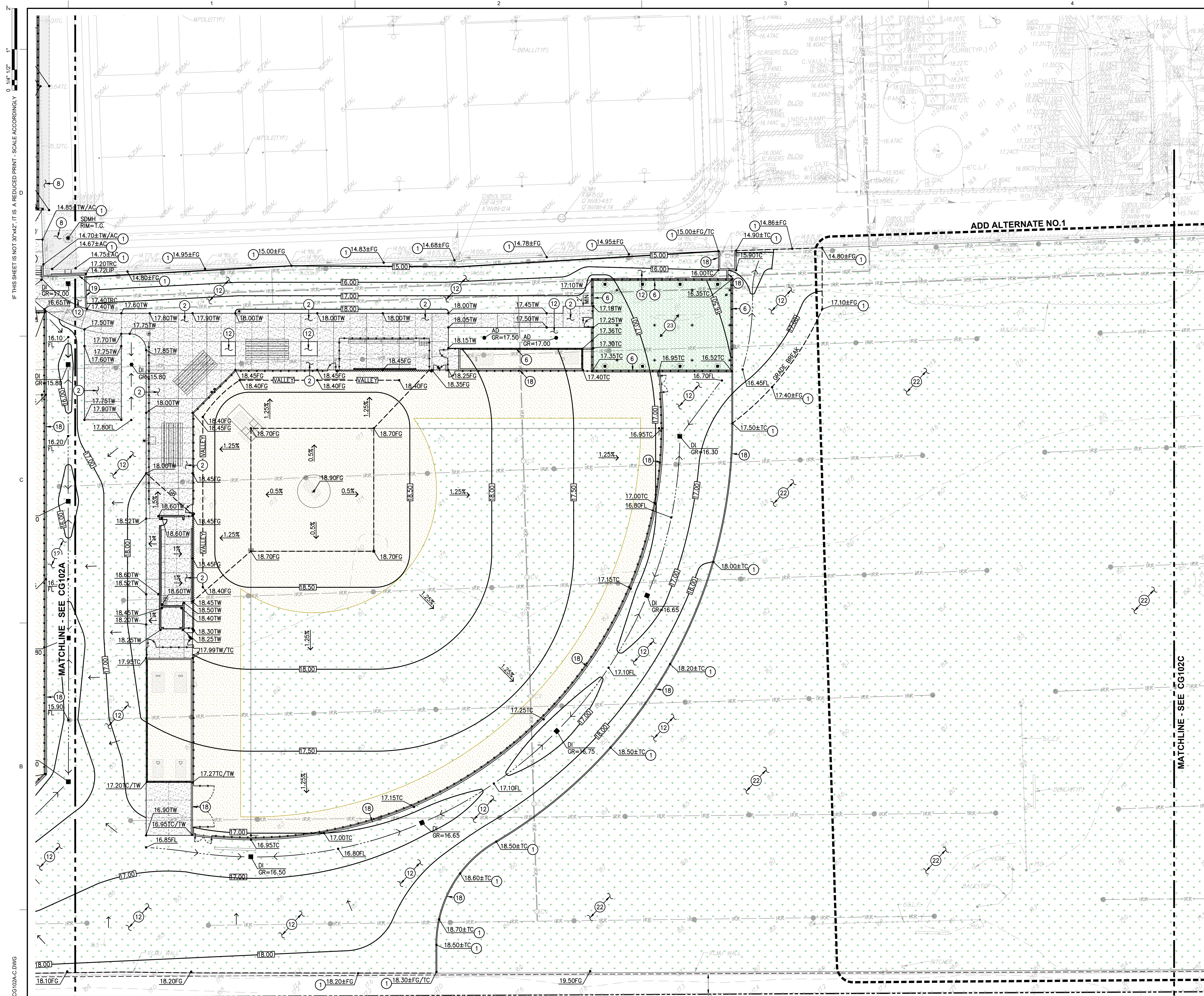
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MANAGEMENT
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 DSA APPLICATION NO: 02-121593
 CLIENT PROJECT NO: #####
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TITLE
GRADING PLAN

SHEET
CG102A



PAVEMENT SLOPES
 ALL PAVING SURFACES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GENERAL PAVING SURFACE NOTES ON SHEET C101, CLARIFIED AS FOLLOWS:
 • CONCRETE FLATWORK - ALL - PER GENERAL PAVING SURFACE NOTES ON SHEET C101.
 • ASPHALT PAVING, CROSSWALK - PER GENERAL PAVING SURFACE NOTES ON SHEET C101.
 • ASPHALT PAVING, ACCESSIBLE PARKING & LOADING - 1.8% MAX ANY DIRECTION.
 • ASPHALT PAVING, ACCESSIBLE VEHICLE SPACE - 1.2% MAX ANY DIRECTION.
 • ASPHALT PAVING, NORMAL PARKING SPACES - 4.0% MAX ANY DIRECTION.
 • ASPHALT PAVING, PARKING DRIVE ISLES - 4.0% MAX ANY DIRECTION.
 • ASPHALT PAVING, PARKING ENTRANCE AND EXIT - 4.0% CROSS, 7.0% RUNNING.
 CONSTRUCTION TOLERANCES HAVE BEEN FACTORED INTO THE DESIGN, HOWEVER, CONTRACTOR SHALL FIELD CHECK FORMS AS THEY ARE CONSTRUCTED, WHEN THEY ARE COMPLETE, AND ALSO PRIOR TO POURING.

LEGEND **CONSTRUCTION NOTES**
 NOT ALL NOTES MAY BE USED ON THIS SHEET

- MATCH EXISTING GRADE/ELEVATION. WHEN MATCHING NEW SLABS TO EXISTING, DOWEL SLABS PER THE DETAIL PROVIDED. DOWEL SPACING SHALL MATCH SLAB REINFORCING SPACING. (3) (CSS01)
- PLACE CONCRETE PAVING PER THE TYPICAL DETAILS PROVIDED. REFER TO PAVING PLAN FOR SECTIONS. REFER TO SPECIFICATIONS SECTION 31 00 00 FOR SUBGRADE PREPARATION, SECTION 32 16 00 FOR CONCRETE PAVING. (1) (2) (3) (CSS01) (CSS01)
- CONSTRUCT CONCRETE VALLEY GUTTER PER THE DETAIL PROVIDED. (12) (CSS01)
- CONSTRUCT CONCRETE CURB PER THE DETAIL PROVIDED. (5) (CSS01)
- CONSTRUCT CONCRETE RETAINING CURB PER THE DETAIL PROVIDED. (7) (CSS01)
- CONSTRUCT 12" WIDE CONCRETE APRON WITH FENCING PER THE DETAIL PROVIDED. SEE ARCH. AND LANDSCAPE PLANS FOR NEW FENCING. (14) (CSS01)
- CONSTRUCT TYPE 1 ACCESSIBLE CURB RAMP PER THE DETAIL PROVIDED. (16) (CSS01)
- ASPHALT PAVING. REFER TO PAVING PLAN FOR SECTIONS. REFER TO SPECIFICATIONS SECTION 32 12 00 FOR MATERIALS AND CONSTRUCTION. REFER TO SECTION 31 00 00 FOR SUBGRADE PREPARATION. (8) (CSS01)
- CONSTRUCT FLUSH CONCRETE CURB/EDGE PER THE DETAIL PROVIDED. (8) (CSS01)
- GRADE AND CONSTRUCT UNIFORM DRAINAGE SWALE IN FINISHED GRADE RUNNING. SLOPE SHALL BE NO LESS THAN 0.75%. SIDE SLOPE SHALL BE NO GREATER THAN 5H:1V. AFTER SWALES ARE GRADED, CONTRACTOR TO ENSURE LANDSCAPE DOES NOT ALTER, BLOCK OR OTHERWISE CHANGE SWALE IN A WAY THAT WOULD STOP FLOW. (17) (CSS01)
- CONSTRUCT 12" WIDE RAISED CONCRETE APRON AT NEW OR EXISTING FENCING PER THE DETAIL PROVIDED. SEE ARCH. AND LANDSCAPE PLANS FOR FENCING. (17) (CSS01)
- PROVIDE TOPSOIL FOR NEW PLANTING. SEE PAVING PLAN AND LANDSCAPE PLANS FOR NEW PLANTING/SURFACING. SEE ALSO SPECIFICATION SECTIONS 31 00 00 AND 32 90 00. (7) (CSS01)
- PATCH BACK EXISTING LANDSCAPING ALONG EDGES OF WORK AND AREAS IDENTIFIED. MATCH EXISTING CONDITIONS. IF NO EXISTING LANDSCAPING PRESENT, PROVIDED EROSION HYDROSEED AT MINIMUM. SEE LANDSCAPE PLANS AND SPECIFICATION SECTIONS 31 00 00 AND 32 90 00. (9) (CSS01)
- REPLACE EXISTING UTILITY BOX WITH NEW TRAFFIC RATED BOX SET AT PROPOSED FINISHED GRADE. BOX SIZE SHALL MEET OR EXISTING EXISTING VAULT SIZE. APPROVED BOXES SHALL BE JENSEN HT1017, HT1324, HT1730, HT2436 OR HT3048, OR APPROVED EQUAL. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. (11) (CSS02)
- CONSTRUCT 6" WIDE NOTCH IN 24" WIDE MEDIAN. NOTCHES SHALL BE FLUSH WITH PAVING TO ALLOW DRAINAGE AND SHALL BE AT 7' O.C. MAX. (11) (CSS02)
- CONSTRUCT CONCRETE TRENCH DRAIN WITH FENCE APRON PER THE DETAIL PROVIDED. (18) (CSS01)
- CONSTRUCT CONCRETE RAILWAY WITH EDGE CURBS. REFER TO LANDSCAPE DETAILS FOR RAILINGS AND CIVIL DETAIL FOR CONC. (7) (CSS01)
- CONSTRUCT 6" WIDE CONCRETE PLANTING EDGE CURB PER THE DETAIL PROVIDED. (9) (CSS01)
- CONSTRUCT CONCRETE RETAINING CURB PER THE DETAIL PROVIDED. (7) (CSS01)
- CONSTRUCT CONCRETE MATERIAL STORAGE ENCLOSURE PER THE DETAIL PROVIDED. (18) (CSS01)
- SEE PAVING PLAN FOR NEW SURFACING. FINISH GRADE SHALL MATCH THE EXISTING AC FINISHED GRADE. (18) (CSS01)
- FOLLOWING LAWN REMOVAL, GRADE TO SMOOTH AND PLANE EXISTING GRADE TO A UNIFORM FINISH. FILL AND PROVIDE NEW TOPSOIL WHERE NEEDED. THEN AMEND AND PLACE NEW SOD OR SEED AS SPECIFIED IN LANDSCAPE PLANS. (18) (CSS01)
- NEW SYNTHETIC TURF AND BASE. SEE LANDSCAPE PLANS AND SPECIFICATIONS. (18) (7) (CSS01) (CSS04)

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CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

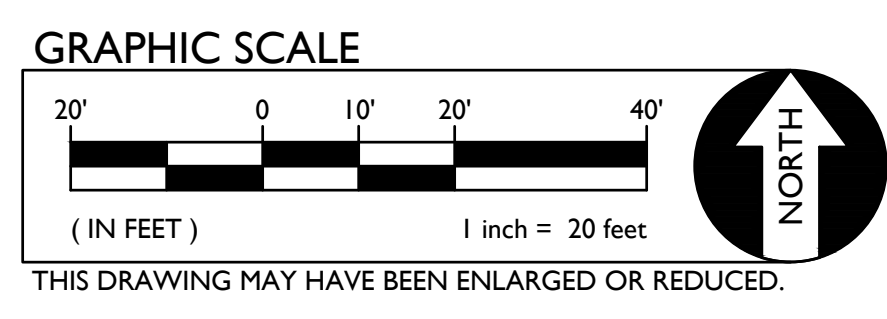
MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
-	12/01/2023	DSA APPROVAL

MANAGEMENT

LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	####
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TITLE
 GRADING PLAN

SHEET
 CG102B



IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY 0" 1/4" 1/2" 1" 2" 4" 8" 16" 32"
 FILE: I:\23-106\CIVIL\DWG\23-106-108-CG102A-C.DWG
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PLOT DATE: 11/28/2023 6:18:30 PM FILENAME: I:\23-106\CIVIL\DWG\23-106-108-CG102A-C.DWG



PAVEMENT SLOPES
 ALL PAVING SURFACES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GENERAL PAVING SURFACE NOTES ON SHEET C101, CLARIFIED AS FOLLOWS:
 • CONCRETE FLATWORK - ALL PER GENERAL PAVING SURFACE NOTES ON SHEET C101.
 • ASPHALT PAVING, CROSSWALK - PER GENERAL PAVING SURFACE NOTES ON SHEET C101.
 • ASPHALT PAVING, ACCESSIBLE PARKING & LOADING - 1.8% MAX ANY DIRECTION.
 • ASPHALT PAVING, ACCESSIBLE VEHICLE SPACE - 1.8% MAX ANY DIRECTION.
 • ASPHALT PAVING, NORMAL PARKING SPACES - 4.0% MAX ANY DIRECTION.
 • ASPHALT PAVING, PARKING DRIVE ISLES - 4.0% MAX ANY DIRECTION.
 • ASPHALT PAVING, PARKING ENTRANCE AND EXIT - 4.0% CROSS, 7.0% RUNNING.
 CONSTRUCTION TOLERANCES HAVE BEEN FACTORED INTO THE DESIGN, HOWEVER, CONTRACTOR SHALL FIELD CHECK FORMS AS THEY ARE CONSTRUCTED, WHEN THEY ARE COMPLETE, AND ALSO PRIOR TO POURING.

LEGEND **CONSTRUCTION NOTES**
 NOT ALL NOTES MAY BE USED ON THIS SHEET

- MATCH EXISTING GRADE/ELEVATION. WHEN MATCHING NEW SLABS TO EXISTING, DOWEL SLABS PER THE DETAIL PROVIDED. DOWEL SPACING SHALL MATCH SLAB REINFORCING SPACING. (3) (CS501)
- CONSTRUCT CONCRETE PAVING PER THE TYPICAL DETAILS PROVIDED. REFER TO PAVING PLAN FOR SECTIONS. REFER TO SPECIFICATIONS SECTION 31 00 00 FOR SUBGRADE PREPARATION, SECTION 32 16 00 FOR CONCRETE PAVING. (1) (2) (3) (CS501) (CS501)
- CONSTRUCT CONCRETE VALLEY GUTTER PER THE DETAIL PROVIDED. (12) (CS501)
- CONSTRUCT CONCRETE CURB PER THE DETAIL PROVIDED. (5) (CS501)
- CONSTRUCT CONCRETE RETAINING CURB PER THE DETAIL PROVIDED. (7) (CS501)
- CONSTRUCT 12" WIDE CONCRETE APRON WITH FENCING PER THE DETAIL PROVIDED. SEE ARCH. AND LANDSCAPE PLANS FOR NEW FENCING. (14) (CS501)
- CONSTRUCT TYPE 1 ACCESSIBLE CURB RAMP PER THE DETAIL PROVIDED. (16) (CS501)
- ASPHALT PAVING. REFER TO PAVING PLAN FOR SECTIONS. REFER TO SPECIFICATIONS SECTION 32 12 00 FOR MATERIALS AND CONSTRUCTION. REFER TO SECTION 31 00 00 FOR SUBGRADE PREPARATION. (8) (CS501)
- CONSTRUCT FLUSH CONCRETE CURB/EDGE PER THE DETAIL PROVIDED. (8) (CS501)
- GRADE AND CONSTRUCT UNIFORM DRAINAGE SWALE IN FINISHED GRADE. RUNNING SLOPE SHALL BE NO LESS THAN 0.75%. SIDE SLOPE SHALL BE NO GREATER THAN 5H:1V. AFTER SWALES ARE GRADED, CONTRACTOR TO ENSURE LANDSCAPER DOES NOT ALTER, BLOCK OR OTHERWISE CHANGE SWALE IN A WAY THAT WOULD STOP FLOW. (17) (CS501)
- CONSTRUCT 12" WIDE RAISED CONCRETE APRON AT NEW OR EXISTING FENCING PER THE DETAIL PROVIDED. SEE ARCH. AND LANDSCAPE PLANS FOR FENCING. (17) (CS501)
- PROVIDE TOPSOIL FOR NEW PLANTING. SEE PAVING PLAN AND LANDSCAPE PLANS FOR NEW PLANTING/SURFACING. SEE ALSO SPECIFICATION SECTIONS 31 00 00 AND 32 90 00. (7) (CS501)
- PATCH BACK EXISTING LANDSCAPING ALONG EDGES OF WORK AND AREAS IDENTIFIED. MATCH EXISTING CONDITIONS. IF NO EXISTING LANDSCAPING PRESENT, PROVIDED EROSION HYDROSEED AT MINIMUM. SEE LANDSCAPE PLANS AND SPECIFICATION SECTIONS 31 00 00 AND 32 90 00. (7) (CS501)
- REPLACE EXISTING UTILITY BOX WITH NEW TRAFFIC RATED BOX SET AT PROPOSED FINISHED GRADE. BOX SIZE SHALL MEET OR EXISTING EXISTING VAULT SIZE. APPROVED BOXES SHALL BE JENSEN HT1017, HT1324, HT1730, HT2436 OR HT3048, OR APPROVED EQUAL. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. (11) (CS502)
- CONSTRUCT 6" WIDE NOTCH IN 24" WIDE MEDIAN. NOTCHES SHALL BE FLUSH WITH PAVING TO ALLOW DRAINAGE AND SHALL BE AT 7' O.C. MAX. (11) (CS502)
- CONSTRUCT CONCRETE TRENCH DRAIN WITH FENCE APRON PER THE DETAIL PROVIDED. (11) (CS502)
- CONSTRUCT CONCRETE STAIRWAY WITH EDGE CURBS. REFER TO LANDSCAPE DETAILS FOR RAILINGS AND CIVIL DETAIL FOR CONC. (9) (CS501)
- CONSTRUCT 6" WIDE CONCRETE PLANTING EDGE CURB PER THE DETAIL PROVIDED. (7) (CS501)
- CONSTRUCT CONCRETE RETAINING CURB PER THE DETAIL PROVIDED. (7) (CS501)
- CONSTRUCT CONCRETE MATERIAL STORAGE ENCLOSURE PER THE DETAIL PROVIDED. (18) (CS501)
- SEE PAVING PLAN FOR NEW SURFACING. FINISH GRADE SHALL MATCH THE EXISTING AC FINISHED GRADE. (7) (CS501)
- FOLLOWING LAWN REMOVAL, GRADE TO SMOOTH AND PLANE EXISTING GRADE TO A UNIFORM FINISH. FILL AND PROVIDE NEW TOPSOIL WHERE NEEDED. THEN AMEND AND PLACE NEW SOD OR SEED AS SPECIFIED IN LANDSCAPE PLANS. (7) (CS501)
- NEW DG PAVING, SEE PAVING PLAN. (7) (CS501)

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-121593 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 12/18/2023

LIONAKIS

2025 Nineteenth Street
 Sacramento, CA 95818
 P 916.558.1900
 www.lionakis.com

CONSULTANT
WC
 WARREN CONSULTING ENGINEERS, INC.
 1117 WINDFIELD WAY, SUITE 110
 EL CORRALO HILLS, CA 95702 (916) 985-1870

PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

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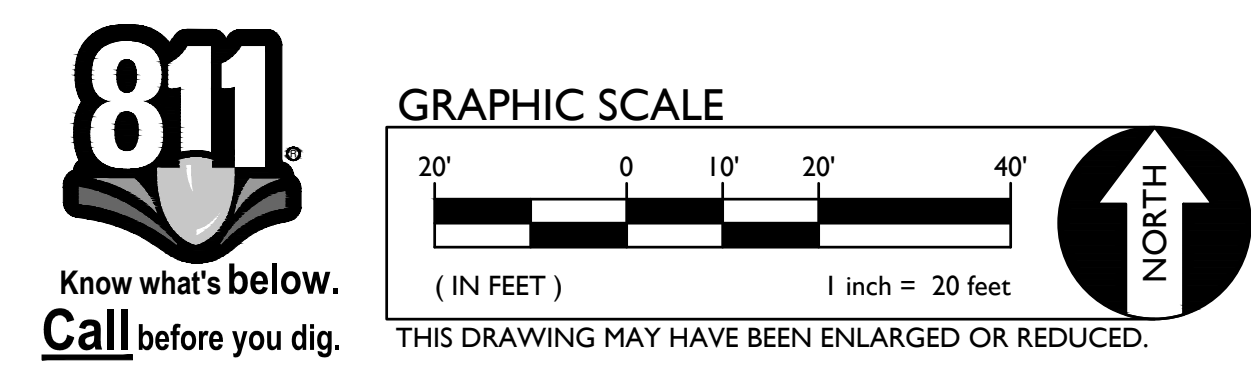
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MANAGEMENT

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TITLE
GRADING PLAN

SHEET
CG102C



PLOT DATE: 11/28/2023 6:18:46 PM FILE: I:\23-106\CIVIL\DWG\23-106-108-CG102A-C.DWG

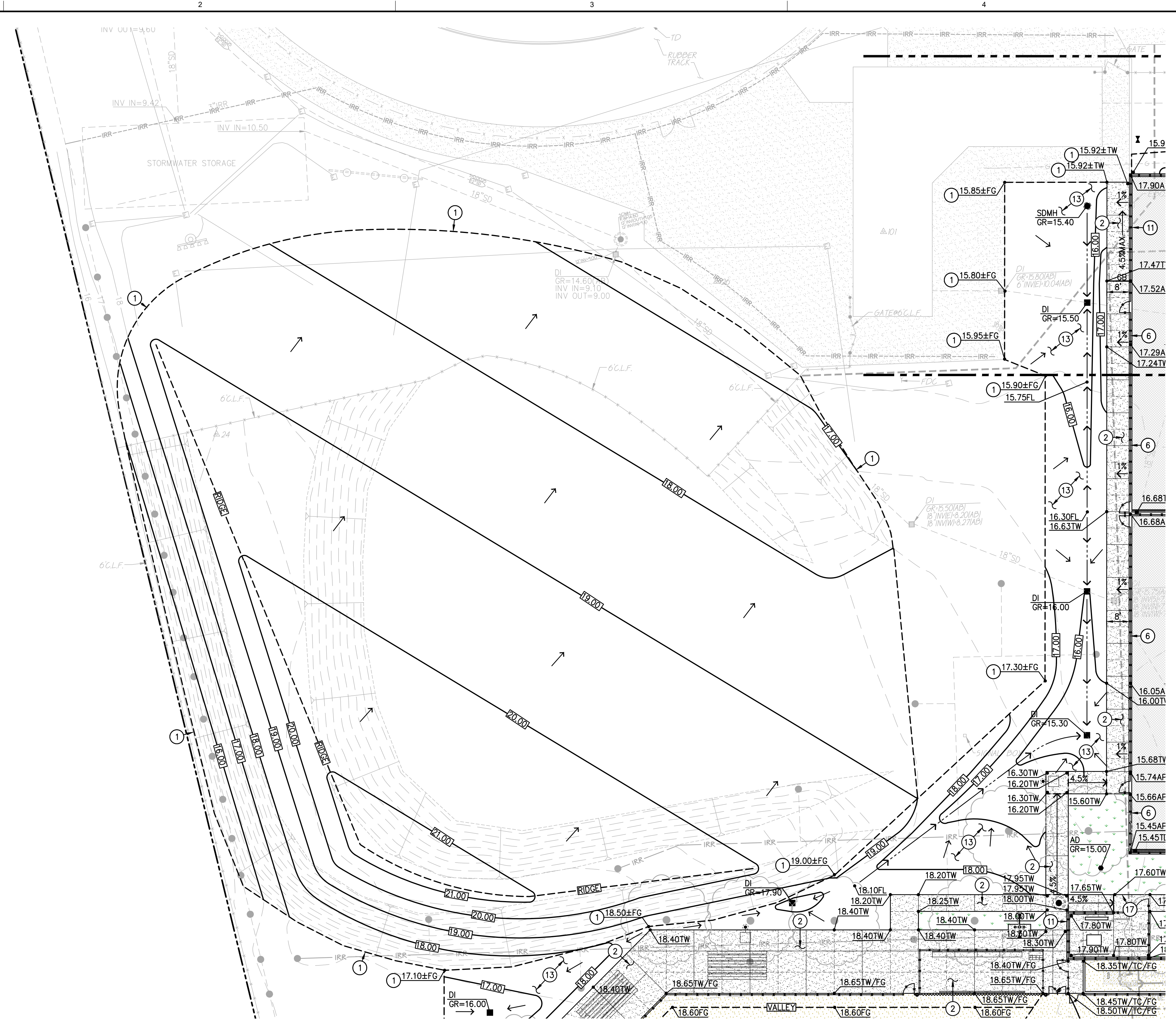
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IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

C

B

FILE: I:\23-106\CIVIL\DWG\23-106-108-CG102A-C.DWG PLOT DATE: 11/28/2023 6:19:02 PM



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 • ASPHALT PAVING, ACCESSIBLE PARKING & LOADING - 1.8% MAX ANY DIRECTION.
 • ASPHALT PAVING, ACCESSIBLE LOADING VEHICLE SPACE - 1.8% MAX ANY DIRECTION.
 • ASPHALT PAVING, NORMAL PARKING SPACES - 4.0% MAX ANY DIRECTION.
 • ASPHALT PAVING, PARKING DRIVE ISLES - 4.0% MAX ANY DIRECTION.
 • ASPHALT PAVING, PARKING ENTRANCE AND EXIT - 4.0% CROSS, 7.0% RUNNING.
 CONSTRUCTION TOLERANCES HAVE BEEN FACTORED INTO THE DESIGN, HOWEVER, CONTRACTOR SHALL FIELD CHECK FORMS AS THEY ARE CONSTRUCTED, WHEN THEY ARE COMPLETE, AND ALSO PRIOR TO POURING.

LEGEND (1) CONSTRUCTION NOTES
 NOT ALL NOTES MAY BE USED ON THIS SHEET

1. MATCH EXISTING GRADE/ELEVATION, WHEN MATCHING NEW SLABS TO EXISTING, DOWEL SLABS PER THE DETAIL PROVIDED. DOWEL SPACING SHALL MATCH SLAB REINFORCING SPACING.

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CONSULTANT
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 WARREN CONSULTING ENGINEERS, INC.
 1117 WINDFIELD WAY, SUITE 110
 EL CORRALO HILLS, CA 95752 | (916) 985-1870

SEAL

PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

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 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

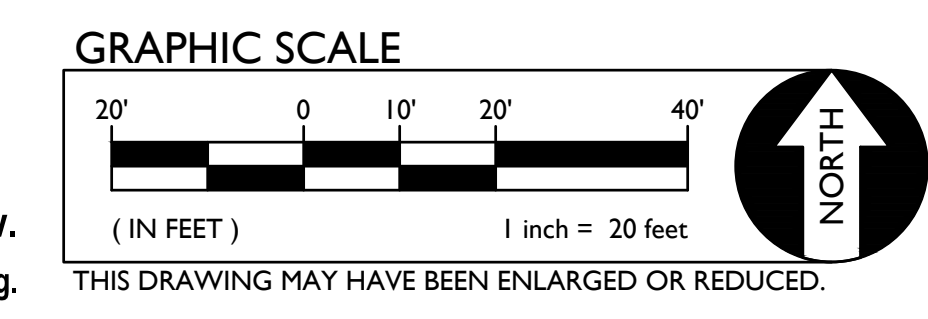
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MANAGEMENT

LIONAKIS PROJECT NO:	023041
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CLIENT PROJECT NO:	####
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TITLE
**GRADING PLAN
 ADD ALTERNATE NO.3**

SHEET
CG102D



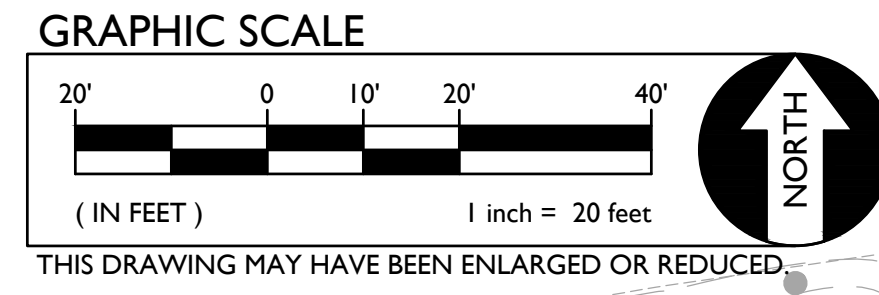
UTILITY VERIFICATION NOTE
PRIOR TO THE START OF CONSTRUCTION, POT HOLE AND VERIFY ALL UTILITY POINTS OF CONNECTION TO EXISTING UTILITIES FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

MATERIAL TRANSITION NOTE
WHEN TRANSITIONING FROM METALLIC WATER PIPE TO PLASTIC WATER PIPE (3" AND SMALLER) THREADED COUPLERS MAY BE USED BUT FEMALE ENDS MUST BE METALLIC AND MALE ENDS MUST BE PLASTIC THIS IS TRUE FOR VALVES AND OTHER UNIONS AS WELL.

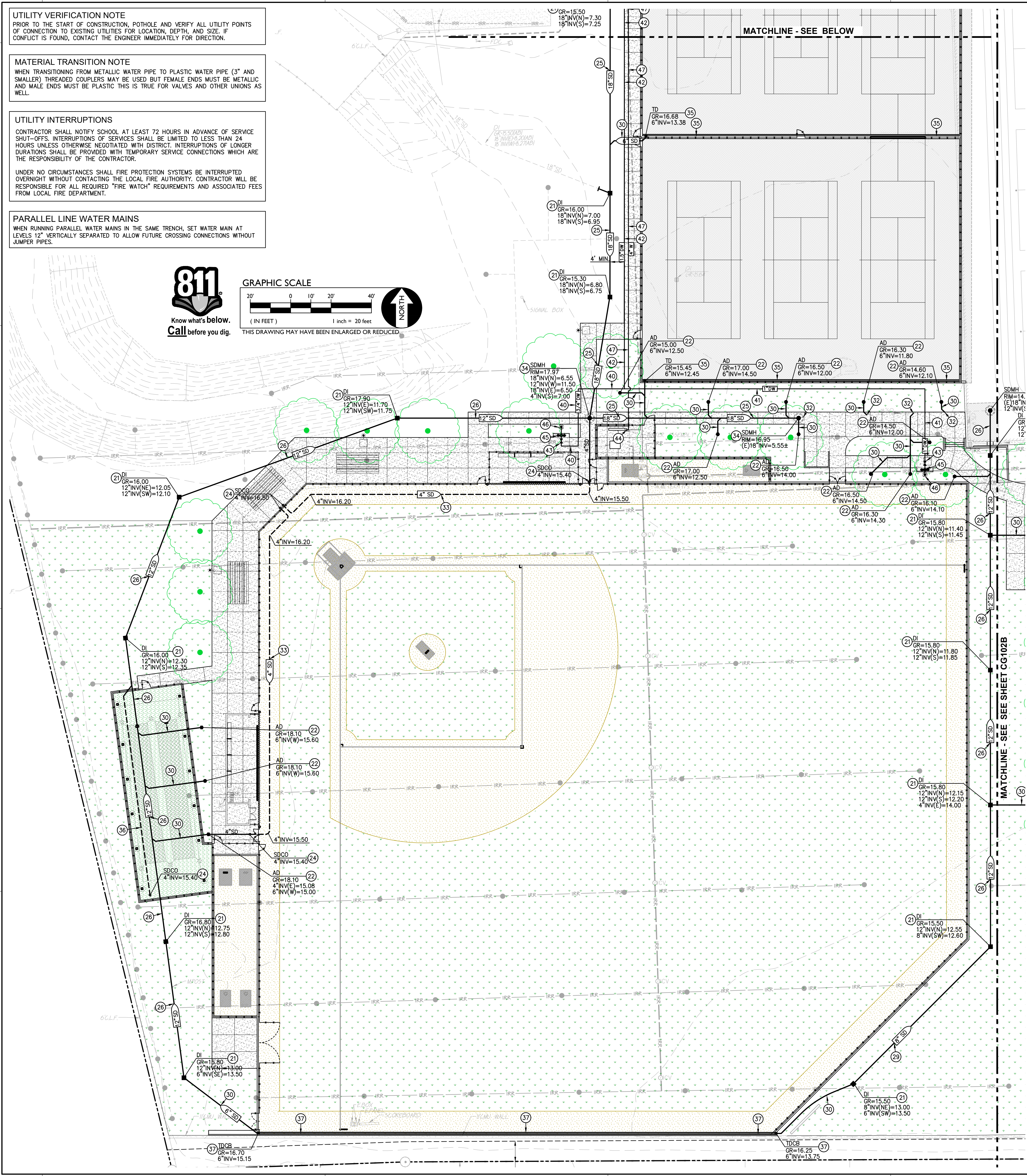
UTILITY INTERRUPTIONS
CONTRACTOR SHALL NOTIFY SCHOOL AT LEAST 72 HOURS IN ADVANCE OF SERVICE SHUT-OFFS. INTERRUPTIONS OF SERVICES SHALL BE LIMITED TO LESS THAN 24 HOURS UNLESS OTHERWISE NEGOTIATED WITH DISTRICT. INTERRUPTIONS OF LONGER DURATIONS SHALL BE PROVIDED WITH TEMPORARY SERVICE CONNECTIONS WHICH ARE THE RESPONSIBILITY OF THE CONTRACTOR.

UNDER NO CIRCUMSTANCES SHALL FIRE PROTECTION SYSTEMS BE INTERRUPTED OVERNIGHT WITHOUT CONTACTING THE LOCAL FIRE AUTHORITY. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REQUIRED "FIRE WATCH" REQUIREMENTS AND ASSOCIATED FEES FROM LOCAL FIRE DEPARTMENT.

PARALLEL LINE WATER MAINS
WHEN RUNNING PARALLEL WATER MAINS IN THE SAME TRENCH, SET WATER MAIN AT LEVELS 12" VERTICALLY SEPARATED TO ALLOW FUTURE CROSSING CONNECTIONS WITHOUT JUMPER PIPES.



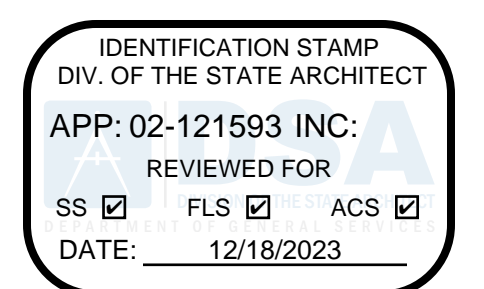
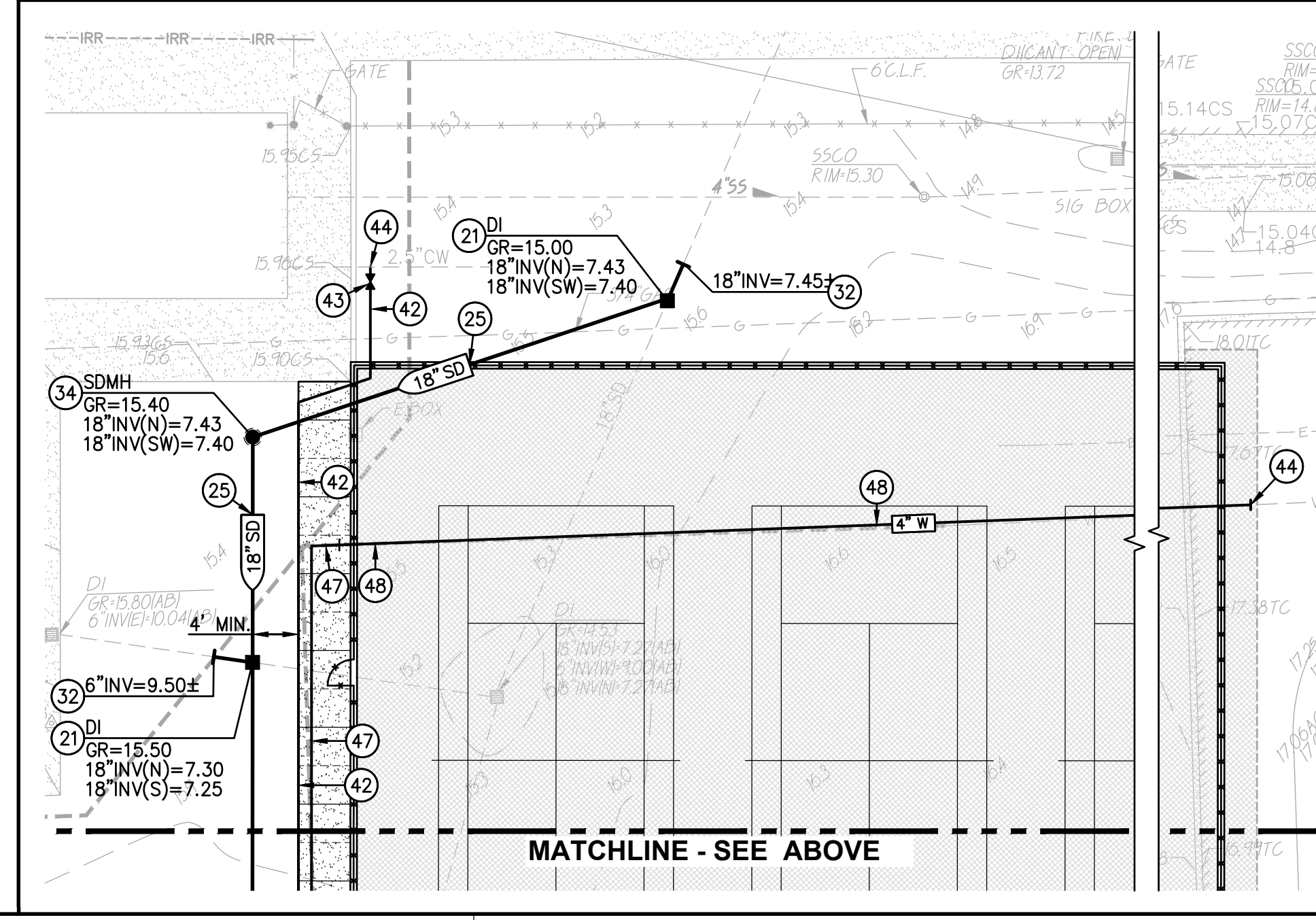
PLOT DATE: 11/28/2023 5:59:46 PM FILE: I:\23-106\CIVIL\DWG\23-106-109-CU101A-C.DWG



UTILITY VERIFICATION NOTE
PRIOR TO THE START OF CONSTRUCTION, POT HOLE AND VERIFY ALL UTILITY POINTS OF CONNECTION TO EXISTING UTILITIES FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

- 7 DRAINAGE CONSTRUCTION NOTES**
NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET
- CONSTRUCT DROP INLET STRUCTURE PER THE DETAIL PROVIDED. (1) (CS502)
 - CONSTRUCT AREA DRAIN PER THE DETAIL PROVIDED. (5) (CS502)
 - CONSTRUCT PLANTER DRAIN PER THE DETAIL PROVIDED. (9) (CS502)
 - CONSTRUCT STORM DRAIN CLEANOUT PER THE DETAIL PROVIDED. (2) (CS502)
 - PROVIDE AND INSTALL 18" STORM DRAIN, PVC SDR-35 OR HDPE SLOPE VARIES PER INVERTS SHOWN, BUT 0.0025 MIN. (0.25%) (3) (CS502)
 - PROVIDE AND INSTALL 12" STORM DRAIN, PVC SDR-35 OR HDPE SLOPE VARIES PER INVERTS SHOWN, BUT 0.0025 MIN. (0.25%) (3) (CS502)
 - PROVIDE AND INSTALL 10" STORM DRAIN, PVC SDR-35 OR HDPE SLOPE VARIES PER INVERTS SHOWN, BUT 0.0035 MIN. (0.35%) (3) (CS502)
 - PROVIDE AND INSTALL 8" STORM DRAIN, PVC SDR-35 OR HDPE SLOPE VARIES PER INVERTS SHOWN, BUT 0.005 MIN. (0.50%) (3) (CS502)
 - PROVIDE AND INSTALL 6" STORM DRAIN, PVC SDR-35. SLOPE VARIES PER INVERTS SHOWN, BUT 0.010 MIN. (1.00%) (3) (CS502)
 - PROVIDE AND INSTALL 4" STORM DRAIN, PVC SDR-35. SLOPE VARIES PER INVERTS SHOWN, BUT 0.0150 MIN. (1.50%) (3) (CS502)
 - CONNECT TO EXISTING STORM DRAIN PIPE OR INLET STRUCTURE AS SHOWN. POT HOLE TO VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION. IF CONFLICT FOUND CONTACT ARCHITECT FOR DIRECTION. PROVIDE ALL FITTINGS AND ADAPTORS TO MAKE CONNECTION. (20) (CS502)
 - CONSTRUCT 4" PERFORATED SUBDRAIN WITH DRAIN ROCK AND FILTER FABRIC BENEATH BALLFIELD CINDERS PER THE DETAIL PROVIDED. (16) (CS502)
 - CONSTRUCT 48" MANHOLE PER THE DETAIL PROVIDED. (11) (CS502)
 - CONSTRUCT TRENCH DRAIN & APRON WITH ACCESSIBLE COVER PER THE DETAIL PROVIDED. (19) (CS502)
 - CONSTRUCT 4" PERFORATED SUBDRAIN WITH DRAIN ROCK AND FILTER FABRIC BENEATH SYNTHETIC TURF PER THE DETAIL PROVIDED. (15) (CS502)

- 7 DOMESTIC WATER CONSTRUCTION NOTES**
- PLACE 3/4" WATER LINE, COPPER TYPE K (HARD), OR APPROVED EQUAL. REFER TO TRENCHING DETAIL PROVIDED. (1) (CS503)
 - PLACE 1.0" WATER LINE, COPPER TYPE K (HARD), OR APPROVED EQUAL. REFER TO TRENCHING DETAIL PROVIDED. (1) (CS503)
 - PLACE 1.5" WATER LINE, COPPER TYPE K (HARD), OR APPROVED EQUAL. REFER TO TRENCHING DETAIL PROVIDED. (1) (CS503)
 - INSTALL WATER VALVE AND TRAFFIC RATED VALVE BOX PER THE DETAIL PROVIDED. (2) (CS503)
 - CONNECT TO EXISTING WATER MAIN. POT HOLE TO VERIFY LOCATION, SIZE AND CONDITION PRIOR TO CONSTRUCTION. IF CONFLICT IS FOUND, CONTACT ARCHITECT FOR DIRECTION. (4) (CS503)
 - CONSTRUCT DRINKING FOUNTAIN PER THE DETAIL PROVIDED. (3) (CS503)
 - CONSTRUCT DRINKING FOUNTAIN DRYWELL PER THE DETAIL PROVIDED. (3) (CS503)
 - PLACE 4" WATER LINE, PVC C900, DR 18, OR APPROVED EQUAL. REFER TO TRENCHING AND THRUST BLOCKING PER THE DETAILS PROVIDED. (1) (CS503) (5) (CS503)
 - BENEATH TENNIS COURT, PLACE 4" WATER LINE, PVC C900, DR 14 WITH JOINT RESTRAINTS AT ALL PIPE JOINTS. REFER TO TRENCHING AND THRUST BLOCKING PER THE DETAILS PROVIDED. (1) (CS503) (5) (CS503)



LIONAKIS



PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
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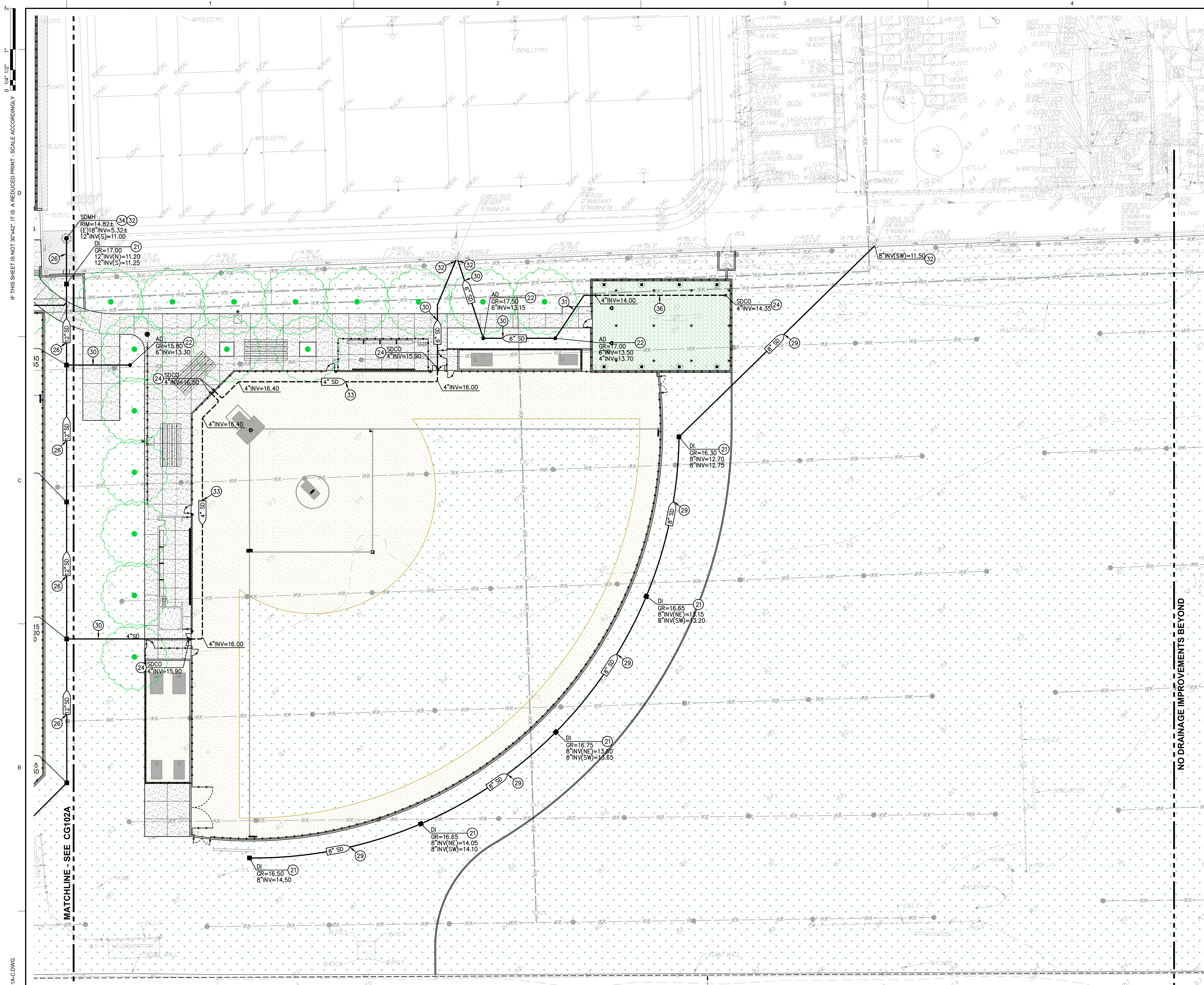
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TITLE
**DRAINAGE AND
SEWER PLAN**

AREA A

SHEET
CU101A



UTILITY VERIFICATION NOTE
 PRIOR TO THE START OF CONSTRUCTION, POTHOLE AND VERIFY ALL UTILITY POINTS OF CONNECTION TO EXISTING UTILITIES FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

- 7 DRAINAGE CONSTRUCTION NOTES**
 NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET
- CONSTRUCT DROP INLET STRUCTURE PER THE DETAIL PROVIDED. (1) (CS502)
 - CONSTRUCT AREA DRAIN PER THE DETAIL PROVIDED. (5) (CS502)
 - CONSTRUCT PLANTER DRAIN PER THE DETAIL PROVIDED. (9) (CS502)
 - CONSTRUCT STORM DRAIN CLEANOUT PER THE DETAIL PROVIDED. (2) (CS502)
 - PROVIDE AND INSTALL 18" STORM DRAIN, PVC SDR-35 OR HDPE. SLOPE VARIES PER INVERTS SHOWN, BUT 0.0025 MIN. (0.25%) (3) (CS502)
 - PROVIDE AND INSTALL 12" STORM DRAIN, PVC SDR-35 OR HDPE. SLOPE VARIES PER INVERTS SHOWN, BUT 0.0025 MIN. (0.25%) (3) (CS502)
 - PROVIDE AND INSTALL 10" STORM DRAIN, PVC SDR-35 OR HDPE. SLOPE VARIES PER INVERTS SHOWN, BUT 0.0035 MIN. (0.35%) (3) (CS502)
 - PROVIDE AND INSTALL 8" STORM DRAIN, PVC SDR-35 OR HDPE. SLOPE VARIES PER INVERTS SHOWN, BUT 0.005 MIN. (0.50%) (3) (CS502)
 - PROVIDE AND INSTALL 6" STORM DRAIN, PVC SDR-35. SLOPE VARIES PER INVERTS SHOWN, BUT 0.010 MIN. (1.00%) (3) (4) (CS502) (CS502)
 - PROVIDE AND INSTALL 4" STORM DRAIN, PVC SDR-35. SLOPE VARIES PER INVERTS SHOWN, BUT 0.0150 MIN. (1.50%) (3) (4) (CS502) (CS502)
 - CONNECT TO EXISTING STORM DRAIN PIPE OR INLET STRUCTURE AS SHOWN. POTHOLE TO VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION. IF CONFLICT FOUND CONTACT ARCHITECT FOR DIRECTION. PROVIDE ALL FITTINGS AND ADAPTORS TO MAKE CONNECTION.
 - CONSTRUCT 4" PERFORATED SUBDRAIN WITH DRAIN ROCK AND FILTER FABRIC BENEATH BALLFIELD CINDERS PER THE DETAIL PROVIDED. (19) (CS507)
 - CONSTRUCT 48" MANHOLE PER THE DETAIL PROVIDED. (14) (CS507)
 - CONSTRUCT TRENCH DRAIN & APRON WITH ACCESSIBLE COVER PER THE DETAIL PROVIDED. (11) (CS502)
 - CONSTRUCT 4" PERFORATED SUBDRAIN WITH DRAIN ROCK AND FILTER FABRIC BENEATH SYNTHETIC TURF PER THE DETAIL PROVIDED. (20) (CS507)
 - CONSTRUCT TRENCH DRAIN AT EXISTING WALL WITH ACCESSIBLE COVER PER THE DETAIL PROVIDED. (15) (CS502)

IDENTIFICATION STAMP
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LIONAKIS
 2025 Nineteenth Street
 Sacramento, CA 95818
 P 916.558.1900
 www.lionakis.com
 CONSULTANT

WC
 WARREN CONSULTING ENGINEERS, INC.
 1117 WINDFIELD WAY, SUITE 110
 EL CORONADO HILLS, CA 95730 (916) 985-1870

ANTHONY J. TASSANO
 No. 014586
 REGISTERED PROFESSIONAL ENGINEER
 State of California
 1020903

PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

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TITLE
**DRAINAGE AND
 SEWER PLAN**

AREA B

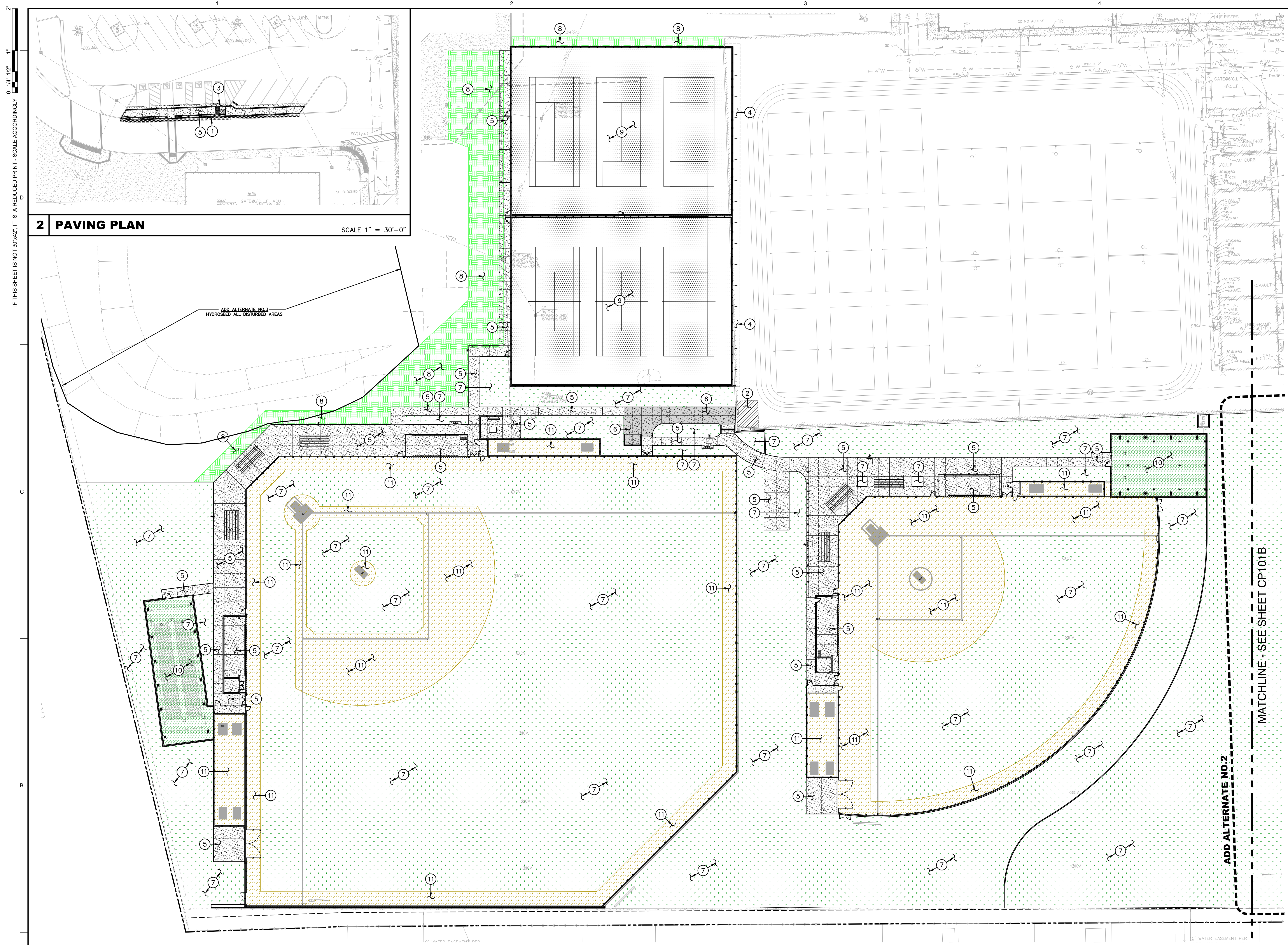
SHEET
CU101B

811
 Know what's below.
 Call before you dig.

GRAPHIC SCALE
 20' 0 10' 20' 40'
 (IN FEET) 1 inch = 20 feet
 THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

NORTH

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY 0 1/4" = 1'
 FILE: I:\23-106\CIVIL\DWG\23-106-109-CU101A-C.DWG
 PLOT DATE: 11/28/2023 6:00:42 PM



2 PAVING PLAN

SCALE 1" = 30'-0"

1 PAVING PLAN

- PAVING LEGEND - LIME TREATED SUBGRADE (RECOMMENDED)**
SUBGRADE PREPARATION VARIES WITH PAVING SECTIONS. SEE SHEET C3.0 AND SPECIFICATIONS.
- 1 TYPE 1 PAVING - HEAVY DRIVE ISLES & BUS & FIRE LANES
PLACE 4" AC OVER 7.0" CLASS II AB OVER 12" MIN. LIME TREATED SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 31.00.00 AND 31.32.00, ASPHALT PER SPECIFICATION SECTION 32.12.00, PROVIDE SEALCOAT PER SPECIFICATIONS, 2 COATS.
 - 2 TYPE 2 PAVING - LIGHT DRIVE ISLES
PLACE 3.5" AC OVER 6.0" CLASS II AB OVER 12" MIN. LIME TREATED SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 31.00.00 AND 31.32.00, ASPHALT PER SPECIFICATION SECTION 32.12.00, PROVIDE SEALCOAT PER SPECIFICATIONS, 2 COATS.
 - 3 TYPE 3 PAVING - PARKING STALLS
PLACE 3.0" AC OVER 4.0" CLASS II AB OVER 12" MIN. LIME TREATED SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 31.00.00 AND 31.32.00, ASPHALT PER SPECIFICATION SECTION 32.12.00, PROVIDE SEALCOAT PER SPECIFICATIONS, 2 COATS.
 - 4 TYPE 4 PAVING - HARD COURTS
PLACE 3.0" AC OVER 4.0" CLASS II AB OVER 12" MIN. LIME TREATED SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 31.00.00 AND 31.32.00, ASPHALT PER SPECIFICATION SECTION 32.12.00, PROVIDE SEALCOAT PER SPECIFICATIONS, 2 COATS.

- PAVING LEGEND - NATIVE SUBGRADES**
SUBGRADE PREPARATION VARIES WITH PAVING SECTIONS. SEE SHEET C3.0 AND SPECIFICATIONS.
- 5 TYPE 5 PAVING - PEDESTRIAN RATED (NON-TRAFFIC)
PLACE 5" PCC OVER 4" CLASS II AB OVER 12" DEEP LIME TREATED SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 31.00.00 AND 31.32.00, PROVIDE #4 BARS AT 24" O.C.E.W. CONCRETE SHALL BE PER SECTION 32.16.00, REFER ALSO TO DETAILS PROVIDED.
 - 6 TYPE 6 PAVING - VEHICULAR RATED
PLACE 7" PCC, 3500 PSI MIN., OVER 6" CLASS II AB OVER 12" DEEP LIME TREATED SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 31.00.00 AND 31.32.00, PROVIDE #4 BARS AT 18" O.C.E.W. CONCRETE SHALL BE PER SECTION 32.16.00, REFER ALSO TO DETAILS PROVIDED.

- PAVING LEGEND - NATIVE SUBGRADES**
SUBGRADE PREPARATION VARIES WITH PAVING SECTIONS. SEE SHEET C3.0 AND SPECIFICATIONS.
- 1 TYPE 1 PAVING - HEAVY DRIVE ISLES & BUS & FIRE LANES
PLACE 4" AC OVER 16.0" CLASS II AB OVER NATIVE SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS. SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00, ASPHALT PER SPECIFICATION SECTION 32.12.00, PROVIDE SEALCOAT PER SPECIFICATIONS, 2 COATS.
 - 2 TYPE 2 PAVING - LIGHT DRIVE ISLES
PLACE 3.5" AC OVER 13.0" CLASS II AB OVER NATIVE SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS. SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00, ASPHALT PER SPECIFICATION SECTION 32.12.00, PROVIDE SEALCOAT PER SPECIFICATIONS, 2 COATS.
 - 3 TYPE 3 PAVING - PARKING STALLS
PLACE 3.0" AC OVER 9.0" CLASS II AB OVER NATIVE SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS. SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00, ASPHALT PER SPECIFICATION SECTION 32.12.00.
 - 4 TYPE 4 PAVING - HARD COURTS
PLACE 3.0" AC OVER 10.0" CLASS II AB OVER NATIVE SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS. SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00, ASPHALT PER SPECIFICATION SECTION 32.12.00.

- 5 TYPE 5 PAVING - PEDESTRIAN RATED (NON-TRAFFIC)
PLACE 5" PCC OVER 5" CLASS II AB OVER NATIVE SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS. PROVIDE #4 BARS AT 24" O.C.E.W. SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00, CONCRETE PER SECTION 32.16.00, REFER ALSO TO DETAILS PROVIDED.
- 6 TYPE 6 PAVING - VEHICULAR RATED
PLACE 6" PCC, 3500 PSI MIN., OVER 8" CLASS II AB OVER NATIVE SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS. PROVIDE #4 BARS AT 18" O.C.E.W. SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00, CONCRETE PER SECTION 32.16.00, REFER ALSO TO DETAILS PROVIDED.
- 7 TYPE 7 SURFACING - LANDSCAPE AREA
PLACE 12" LAYER AMENDED NATIVE OR AMENDED IMPORTED TOPSOIL FOR NEW LANDSCAPING. TOPSOIL SHALL BE IN ACCORDANCE WITH THE LANDSCAPE SPECIFICATIONS. PLACE IN LIFTS NOT EXCEEDING 12" IN UNCOMPACTED THICKNESS AND COMPACT TO 85% RELATIVE COMPACTION UNTIL TOPSOIL SUBGRADE IS ACHIEVED. SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00, REFER TO LANDSCAPE PLANS FOR IRRIGATION AND PLANTING.

- 8 TYPE 8 SURFACING - HYDROSEED AREA
FOLLOWING SITE GRADING IN ACCORDANCE WITH GRADING PLAN AND SECTION 31.00.00, PLACE 8" LAYER AMENDED NATIVE TOPSOIL AND SEED WITH EROSION CONTROL HYDROSEED MIX IN ACCORDANCE WITH SECTION 31.25.00.
- 9 TYPE 9 PAVING - TENNIS COURTS
PLACE TENNIS COURT PAVING, 1.5" THICK 3/8" TYPE A AC REINFORCED, 2.5" THICK 3/4" TYPE A AC REINFORCED, OVER 6" CLASS II AB, ON 12" DEEP LIME TREATED SUBGRADE. ENGINEERED FILL AND SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.22.00 AND 31.23.00, ASPHALT PER SPECIFICATION SECTION 32.12.00 AND 32.12.16.26, SEE STRIPING AND SURFACING PLAN FOR TENNIS COURT SURFACING AND SECTION 32.18.23.
- 10 TYPE 10 SURFACING - SYNTHETIC TURF
SYNTHETIC TURF SURFACING OVER SHOCK/DRAINAGE PAD, ON 4" MIN. COMPACTED BASE PER THE DETAILS PROVIDED, SEE ARCH. AND LANDSCAPE PLANS AND SPECS FOR SYNTHETIC TURF MATERIALS AND INSTALLATION.
- 11 TYPE 11 SURFACING - INFIELD MIX AND BASEBALL/SOFTBALL SURFACING.
SEE LANDSCAPE PLANS AND SPECS.

PAVING GENERAL NOTES:

1. ASPHALT MIX SHALL MEET CALTRANS SPECIFICATIONS FOR TYPE B ASPHALTIC CONCRETE. REFERENCE CALTRANS SPECIFICATION SECTION 59, AND PROJECT SPECIFICATIONS.
2. AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AB, REFERENCE CALTRANS SPECIFICATION SECTION 26, AND PROJECT SPECIFICATIONS.
3. ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.
4. RECYCLED ASPHALT MAY BE USED AS CONCRETE AND ASPHALT BASE MATERIAL PROVIDED IT MEETS CALTRANS SPECIFICATIONS FOR CLASS II AB, REFERENCE CALTRANS SPECIFICATION SECTION 26-1.02A.
5. PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, LIME TREATMENT (IF USED), AND COMPACTION SHALL BE PERFORMED AFTER ALL UTILITIES HAVE BEEN LOCATED AND POTHOLED, AND THE INSTALLATION OF UNDERGROUND UTILITIES AND TRENCHES BACKFILLED IN ACCORDANCE WITH THESE PLANS.
6. ALL AREAS DISTURBED BY GRADING, DEMOLITION, OR CONSTRUCTION ACCESS, WHICH ARE NOT SURFACED BY THIS SET OF PLANS, OR LANDSCAPE PLANS, SHALL BE SEED WITH EROSION CONTROL TYPE NON-WATERED SEED MIX. REFER TO EROSION CONTROL SPECIFICATIONS FOR ACCEPTABLE SEED MIXES.
7. REFER TO GRADING PLANS FOR CURBS, CURB GUTTERS, VALLEY GUTTERS, AND OTHER CONCRETE STRUCTURES AND PAVING FEATURES NOT SPECIFICALLY NOTED ON THIS PLAN.
8. ALL NEW ASPHALT PAVING SHALL RECEIVE SEALCOAT, 2 COATS. MIN. REFER TO PROJECT SPECIFICATIONS. CONTRACTOR SHALL ALLOW FOR 30 DAYS MIN. OF ASPHALT PAVEMENT CURING PRIOR TO SEALCOAT PLACEMENT. IF CONTRACTOR'S SCHEDULE DOES NOT PERMIT CURING, CONTRACTOR WILL PROVIDE, AT HIS COST, TEMPORARY STRIPING. TEMPORARY STRIPING SHALL BE REMOVED AFTER CURING PERIOD AND SEALCOAT APPLIED WITH NEW REPLACEMENT STRIPING. CONTRACTOR SHALL COORDINATE THIS WORK WITH THE OWNER/DISTRICT.

CONCRETE FINISH NOTES

REFER TO ARCHITECTURAL PLANS FOR ANY SPECIAL CONCRETE FINISHES SPECIFIED WHICH SHALL OVERRIDE THOSE SPECIFIED BELOW.

1. PROVIDE MEDIUM BROOM FINISH AT SLOPES UP TO 4.99% TYPICAL, OR EQ.
2. PROVIDE HEAVY BROOM FINISH AT SLOPES 5.00% AND GREATER, OR EQ.

REBAR OPTIONS

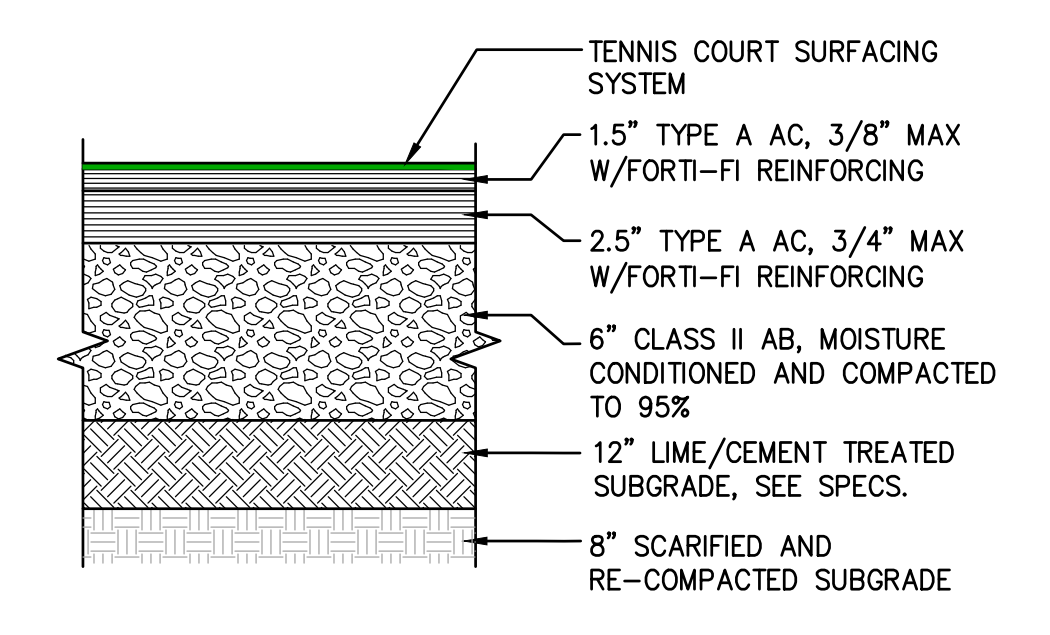
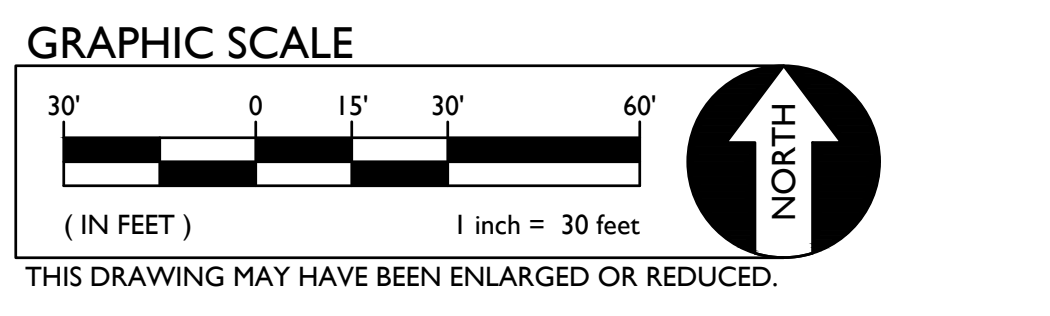
- AT CONTRACTORS OPTION:
1. #4 @ 24" O.C.E.W. = #3 @ 18" O.C.E.W.
 2. #4 @ 18" O.C.E.W. = #3 @ 12" O.C.E.W.

LIME EXCAVATION

NOTE: WHERE LIME TREATMENT OF PAVEMENT SUBGRADE ENROACHES INTO PROPOSED PLANTING AREAS, FOLLOWING PLACEMENT OF PAVING, ENROACHED LIME TREATED SOILS SHALL BE EXCAVATED AND REMOVED AND REPLACED WITH CLEAN NATIVE FILL AND TOPPED WITH 8" MIN. TOPSOIL.

IN AREAS DIFFICULT TO DIRECTLY TREAT WITH LIME, DUE TO SHALLOW UTILITIES OR OTHER CONDITIONS, CONTRACTOR MAY EITHER:

1. TREAT SOIL WITH LIME AT SEPARATE LOCATION AND THEN PLACE, COMPACT AND CURE WHERE NEEDED, SEE SECTION 31.32.00.
2. REPLACE 12" LIME TREATMENT WITH 12" COMPACTED CLASS II AB, PLACED IN 6" COMPACTED LIFTS, EACH COMPACTED TO 95% OVER 12" DEEP SCARIFIED AND 90% RE-COMPACTED SUBGRADE. IF 90% CANNOT BE ACHIEVED, STATIC ROLL AND PROVIDE TENSAR BX1100 OR TX140 GEOGRID. THIS AB LAYER DOES NOT COUNT TOWARD PAVEMENT SECTION AB LAYER THICKNESS.



1 TYPICAL COURT SECTION
CP101A NO SCALE

SCALE 1" = 30'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121593 INC.
REVIEWED FOR
SS FLS ACS
DATE: 12/18/2023

LIONAKIS

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CONSULTANT

WC REGISTERED PROFESSIONAL ENGINEER
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No. C14586
10/09/03

WARREN CONSULTING ENGINEERS, INC.
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EL CERRILLO HILLS, CA 95703 (916) 985-1870

PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
-	12/01/2023	DSA APPROVAL

MANAGEMENT

LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	####
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TITLE
PAVING PLAN

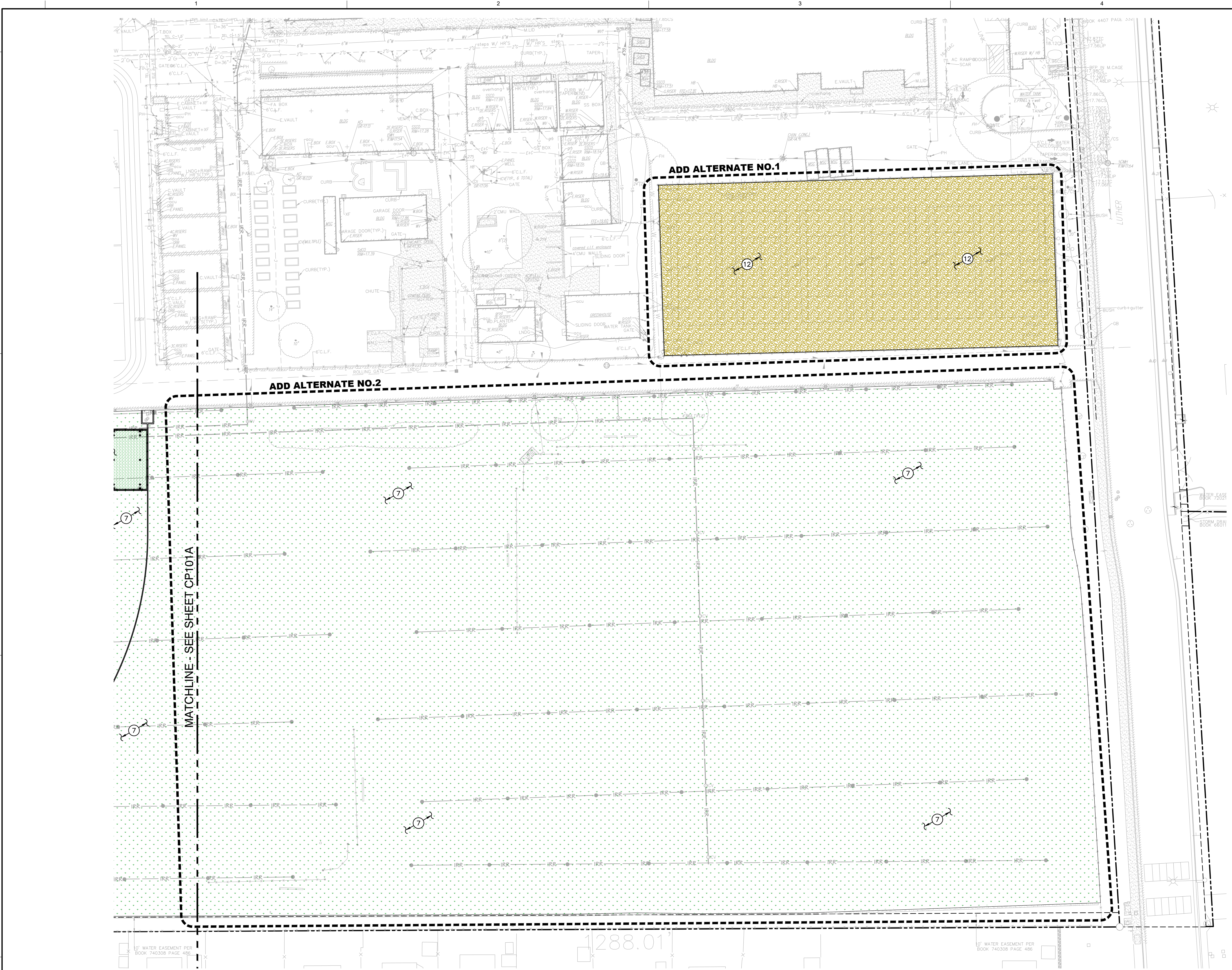
SHEET
CP101A

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

0 1/4" = 12'

1

2



PAVING GENERAL NOTES:

- ASPHALT MIX SHALL MEET CALTRANS SPECIFICATIONS FOR TYPE B ASPHALTIC CONCRETE. REFERENCE CALTRANS SPECIFICATION SECTION 39, AND PROJECT SPECIFICATIONS.
- AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE. REFERENCE CALTRANS SPECIFICATION SECTION 26, AND PROJECT SPECIFICATIONS.
- ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.
- RECYCLED ASPHALT MAY BE USED AS CONCRETE AND ASPHALT BASE MATERIAL PROVIDED IT MEETS CALTRANS SPECIFICATIONS FOR CLASS II AB, REFERENCE CALTRANS SPECIFICATION SECTION 26-1.02A.
- PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, LIME TREATMENT (IF USED), AND COMPACTION SHALL BE PERFORMED AFTER ALL UTILITIES HAVE BEEN LOCATED AND POTHOLED, AND THE INSTALLATION OF UNDERGROUND UTILITIES AND TRENCHES BACKFILLED IN ACCORDANCE WITH THESE PLANS.
- ALL AREAS DISTURBED BY GRADING, DEMOLITION, OR CONSTRUCTION ACCESS, WHICH ARE NOT SURFACED BY THIS SET OF PLANS, OR LANDSCAPE PLANS, SHALL BE SEED WITH EROSION CONTROL TYPE NON-WATERED SEED MIX. REFER TO EROSION CONTROL SPECIFICATIONS FOR ACCEPTABLE SEED MIXES.
- REFER TO GRADING PLANS FOR CURBS, CURB GUTTERS, VALLEY GUTTERS, AND OTHER CONCRETE STRUCTURES AND PAVING FEATURES NOT SPECIFICALLY NOTED ON THIS PLAN.
- ALL NEW ASPHALT PAVING SHALL RECEIVE SEALCOAT, 2 COATS, MIN. REFER TO PROJECT SPECIFICATIONS. CONTRACTOR SHALL ALLOW FOR 30 DAYS MIN. OF ASPHALT PAVING CURING PRIOR TO SEALCOAT PLACEMENT. IF CONTRACTOR'S SCHEDULE DOES NOT PERMIT CURING, CONTRACTOR WILL PROVIDE, AT HIS COST, TEMPORARY STRIPING. TEMPORARY STRIPING SHALL BE REMOVED AFTER CURING PERIOD AND SEALCOAT APPLIED WITH NEW REPLACEMENT STRIPING. CONTRACTOR SHALL COORDINATE THIS WORK WITH THE OWNER/DISTRICT.

CONCRETE FINISH NOTES

REFER TO ARCHITECTURAL PLANS FOR ANY SPECIAL CONCRETE FINISHES SPECIFIED WHICH SHALL OVERRIDE THOSE SPECIFIED BELOW.

- PROVIDE MEDIUM BROOM FINISH AT SLOPES UP TO 4.99% TYPICAL, OR EQ.
- PROVIDE HEAVY BROOM FINISH AT SLOPES 5.00% AND GREATER, OR EQ.

REBAR OPTIONS

- AT CONTRACTOR'S OPTION:
- #4 @ 24" O.C.E.W. = #3 @ 18" O.C.E.W.
 - #4 @ 18" O.C.E.W. = #3 @ 12" O.C.E.W.

LIME EXCAVATION

NOTE: WHERE LIME TREATMENT OF PAVEMENT ENCROACHES INTO PROPOSED PLANTING AREAS, FOLLOWING PLACEMENT OF PAVING, ENCRACED LIME TREATED SOILS SHALL BE EXCAVATED AND REMOVED AND REPLACED WITH CLEAN NATIVE FILL AND TOPPED WITH 8" MIN. TOPSOIL.

IN AREAS DIFFICULT TO DIRECTLY TREAT WITH LIME, DUE TO SHALLOW UTILITIES OR OTHER CONDITIONS, CONTRACTOR MAY EITHER:

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- REPLACE 12" LIME SECTION WITH 12" COMPACTED CLASS II AB, PLACED IN 6" COMPACTED LIFTS, EACH COMPACTED TO 95%, OVER 12" DEEP SCARIFIED AND 90% RE-COMPACTED SUBGRADE. IF 90% CANNOT BE ACHIEVED, STATIC ROLL AND PROVIDE TENSAR BX1000 OR TX140 GEOGRID. THIS AB LAYER DOES NOT COUNT TOWARD PAVEMENT SECTION AB LAYER THICKNESS.

GRAPHIC SCALE

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

- 8 TYPE 8 SURFACING - HYDROSEED AREA**
FOLLOWING SITE GRADING IN ACCORDANCE WITH GRADING PLAN AND SECTION 31.00.00, PLACE 8" LAYER AMENDED NATIVE TOPSOIL AND SEED WITH EROSION CONTROL HYDROSEED MIX IN ACCORDANCE WITH SECTION 31.25.00.
- 9 TYPE 9 PAVING - TENNIS COURTS**
PLACE TENNIS COURT PAVING, 1.5" THICK 3/4" TYPE A AC REINFORCED, 2.5" THICK 3/4" TYPE A AC REINFORCED, OVER 6" CLASS II AB, ON 12" DEEP LIME TREATED SUBGRADE. ENGINEERED FILL AND SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.22.00 AND 31.23.00, ASPHALT PER SPECIFICATION SECTION 32.12.00 AND 32.12.16.26. SEE STRIPING AND SURFACING PLAN FOR TENNIS COURT SURFACING AND SECTION 32.18.23.
- 10 TYPE 10 SURFACING - SYNTHETIC TURF**
SYNTHETIC TURF SURFACING OVER SHOCK/ DRAINAGE PAD, ON 4" MIN. COMPACTED BASE PER THE DETAILS PROVIDED. SEE ARCH. AND LANDSCAPE PLANS AND SPECS FOR SYNTHETIC TURF MATERIALS AND INSTALLATION.
- 11 TYPE 11 SURFACING - INFIELD MIX AND BASEBALL/SOFTBALL SURFACING.**
SEE LANDSCAPE PLANS AND SPECS.
- 12 TYPE 12 SURFACING - TENNIS COURT DEMO AREA**
FOLLOWING PAVING AND CLASS II AB REMOVAL PER THE DEMOLITION AND ENGINEERED FILL PLAN AND SPECIFICATIONS, GRADE AND LEVEL AND COMPACT TOP 6" OF SUBGRADES TO 95% RELATIVE COMPACTION AND PROVIDE HYDROSEED OR OTHER EROSION CONTROL MEASURES.

1 PAVING PLAN

- PAVING LEGEND - LIME TREATED SUBGRADE (RECOMMENDED)**
SUBGRADE PREPARATION VARIES WITH PAVING SECTIONS, SEE SHEET C3.0 AND SPECIFICATIONS.
- TYPE 1 PAVING - HEAVY DRIVE ISLES & BUS & FIRE LANES**
PLACE 4" AC OVER 7.0" CLASS II AB OVER 12" MIN. LIME TREATED SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 31.00.00 AND 31.32.00, ASPHALT PER SPECIFICATION SECTION 32.12.00, PROVIDE SEALCOAT PER SPECIFICATIONS, 2 COATS.
 - TYPE 2 PAVING - LIGHT DRIVE ISLES**
PLACE 3.5" AC OVER 6.0" CLASS II AB OVER 12" MIN. LIME TREATED SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 31.00.00 AND 31.32.00, ASPHALT PER SPECIFICATION SECTION 32.12.00, PROVIDE SEALCOAT PER SPECIFICATIONS, 2 COATS.
 - TYPE 3 PAVING - PARKING STALLS**
PLACE 3.0" AC OVER 4.0" CLASS II AB OVER 12" MIN. LIME TREATED SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 31.00.00 AND 31.32.00, ASPHALT PER SPECIFICATION SECTION 32.12.00, PROVIDE SEALCOAT PER SPECIFICATIONS, 2 COATS.
 - TYPE 4 PAVING - HARD COURTS**
PLACE 3.0" AC OVER 4.0" CLASS II AB OVER 12" MIN. LIME TREATED SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 31.00.00 AND 31.32.00, ASPHALT PER SPECIFICATION SECTION 32.12.00, PROVIDE SEALCOAT PER SPECIFICATIONS, 2 COATS.

- PAVING LEGEND - NATIVE SUBGRADES**
SUBGRADE PREPARATION VARIES WITH PAVING SECTIONS, SEE SHEET C3.0 AND SPECIFICATIONS.
- TYPE 5 PAVING - PEDESTRIAN RATED (NON-TRAFFIC)**
PLACE 5" PCC OVER 4" CLASS II AB OVER 12" DEEP LIME TREATED SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 31.00.00 AND 31.32.00, PROVIDE #4 BARS AT 24" O.C.E.W. CONCRETE SHALL BE PER SECTION 32.16.00, REFER ALSO TO DETAILS PROVIDED.
 - TYPE 6 PAVING - VEHICULAR RATED**
PLACE 7" PCC, 3500 PSI MIN., OVER 6" CLASS II AB OVER 12" DEEP LIME TREATED SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 31.00.00 AND 31.32.00, PROVIDE #4 BARS AT 18" O.C.E.W. CONCRETE SHALL BE PER SECTION 32.16.00, REFER ALSO TO DETAILS PROVIDED.

- TYPE 1 PAVING - HEAVY DRIVE ISLES & BUS & FIRE LANES**
PLACE 4" AC OVER 16.0" CLASS II AB OVER NATIVE SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS. SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00, ASPHALT PER SPECIFICATION SECTION 32.12.00, PROVIDE SEALCOAT PER SPECIFICATIONS, 2 COATS.
- TYPE 2 PAVING - LIGHT DRIVE ISLES**
PLACE 3.5" AC OVER 13.0" CLASS II AB OVER NATIVE SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS. SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00, ASPHALT PER SPECIFICATION SECTION 32.12.00, PROVIDE SEALCOAT PER SPECIFICATIONS, 2 COATS.
- TYPE 3 PAVING - PARKING STALLS**
PLACE 3.0" AC OVER 9.0" CLASS II AB OVER NATIVE SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS. SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00, ASPHALT PER SPECIFICATION SECTION 32.12.00.
- TYPE 4 PAVING - HARD COURTS**
PLACE 3.0" AC OVER 10.0" CLASS II AB OVER NATIVE SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS. SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00, ASPHALT PER SPECIFICATION SECTION 32.12.00.

- TYPE 5 PAVING - PEDESTRIAN RATED (NON-TRAFFIC)**
PLACE 5" PCC OVER 5" CLASS II AB OVER NATIVE SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS. PROVIDE #4 BARS AT 24" O.C.E.W. SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00, CONCRETE PER SECTION 32.16.00, REFER ALSO TO DETAILS PROVIDED.
- TYPE 6 PAVING - VEHICULAR RATED**
PLACE 7" PCC, 3500 PSI MIN., OVER 8" CLASS II AB OVER NATIVE SUBGRADE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS. PROVIDE #4 BARS AT 18" O.C.E.W. SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00, CONCRETE PER SECTION 32.16.00, REFER ALSO TO DETAILS PROVIDED.
- TYPE 7 SURFACING - LANDSCAPE AREA**
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121593 INC.
REVIEWED FOR
SS FLS ACS
DATE: 12/18/2023

LIONAKIS

2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT
WCO
WARREN CONSULTING ENGINEERS, INC.
117 WINDFIELD WAY, SUITE 110
EL CERRITO HILLS, CA 94530 (916) 965-1870

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
No. 014586
State of California
1010903

PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
-	12/01/2023	DSA APPROVAL

MANAGEMENT

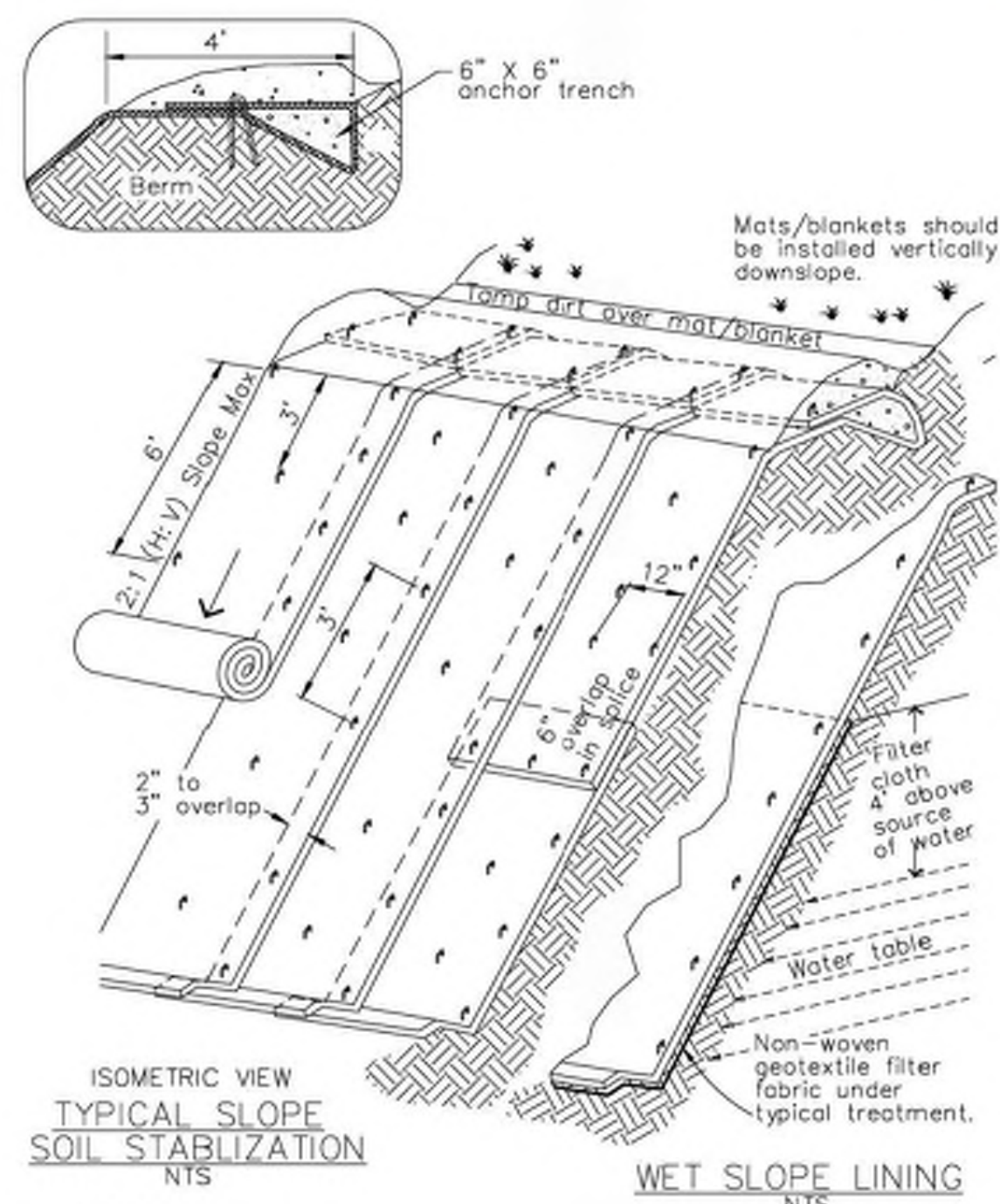
LIONAKIS PROJECT NO.	023041
DSA APPLICATION NO.	02-121593
CLIENT PROJECT NO.	####
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TITLE
PAVING PLAN

SHEET
CP101B

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

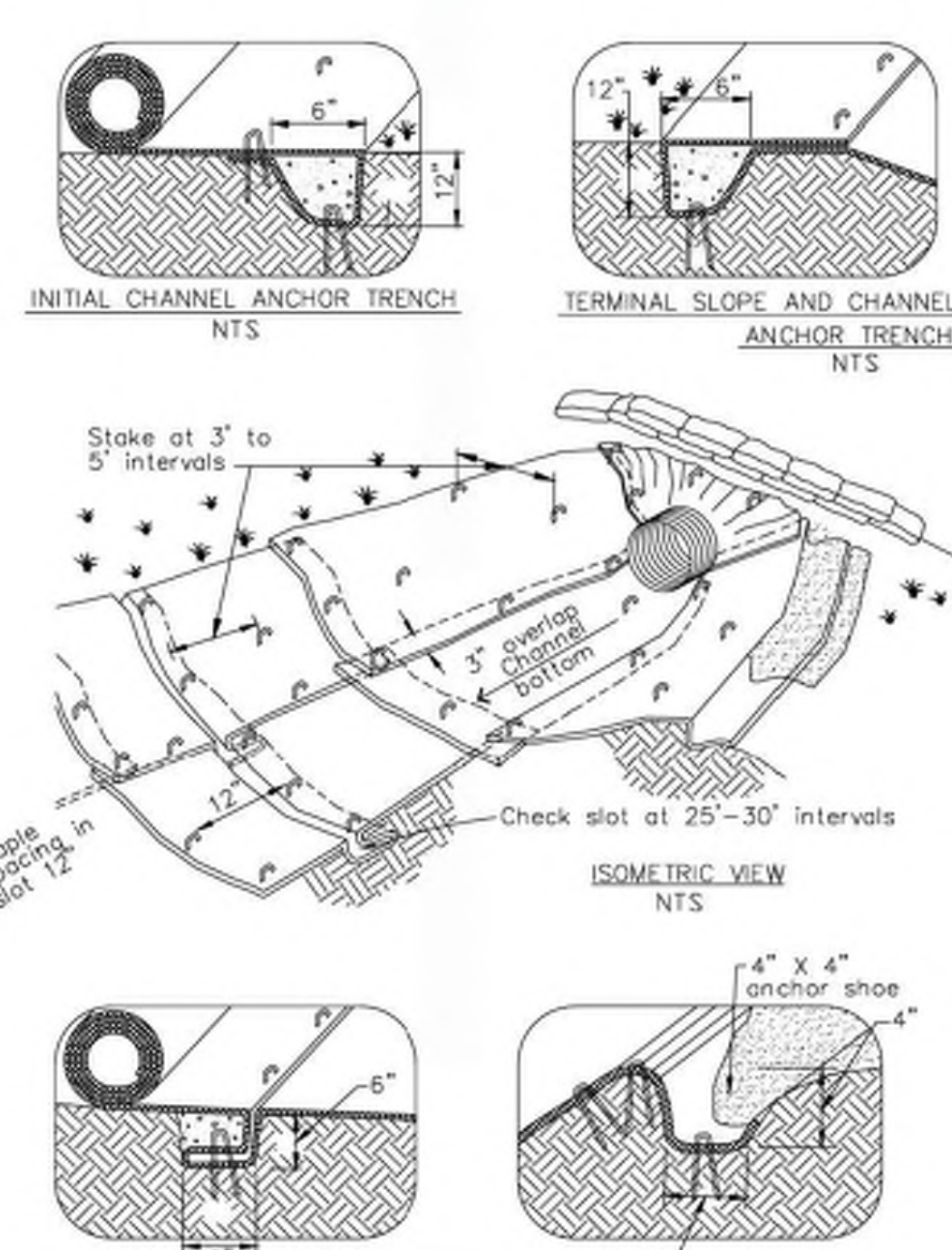
EC-7 Geotextiles and Mats



- NOTES:**
- Slope surface shall be free of rocks, clods, sticks and grass. Mats/blanks shall have good soil contact.
 - Lay blankets loosely and stake or staple to maintain direct contact with the soil. Do not stretch.
 - Install per manufacturer's recommendations.

TYPICAL INSTALLATION DETAIL

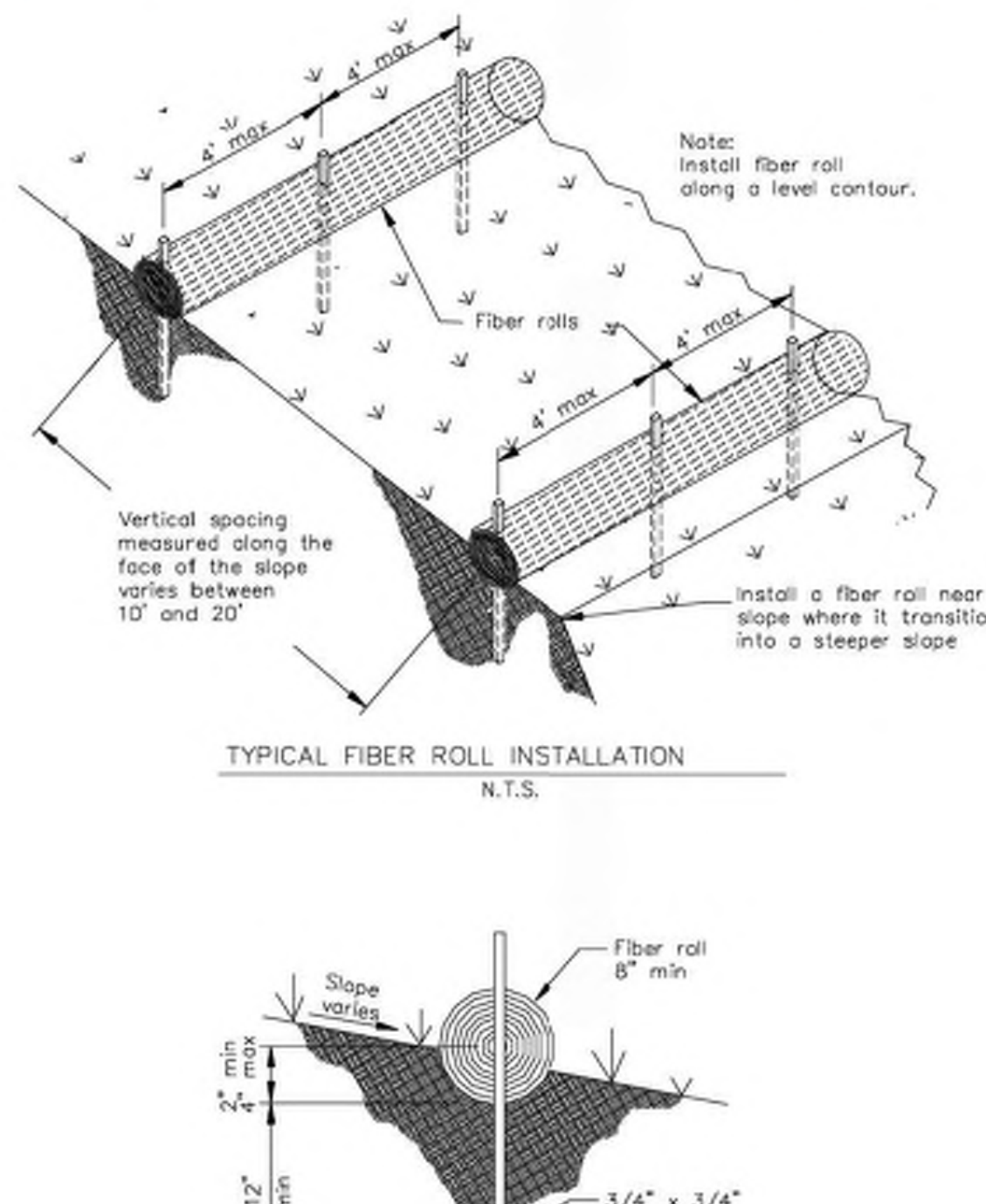
EC-7 Geotextiles and Mats



- NOTES:**
- Check slots to be constructed per manufacturer specifications.
 - Staking or stapling layout per manufacturer specifications.
 - Install per manufacturer's recommendations.

TYPICAL INSTALLATION DETAIL

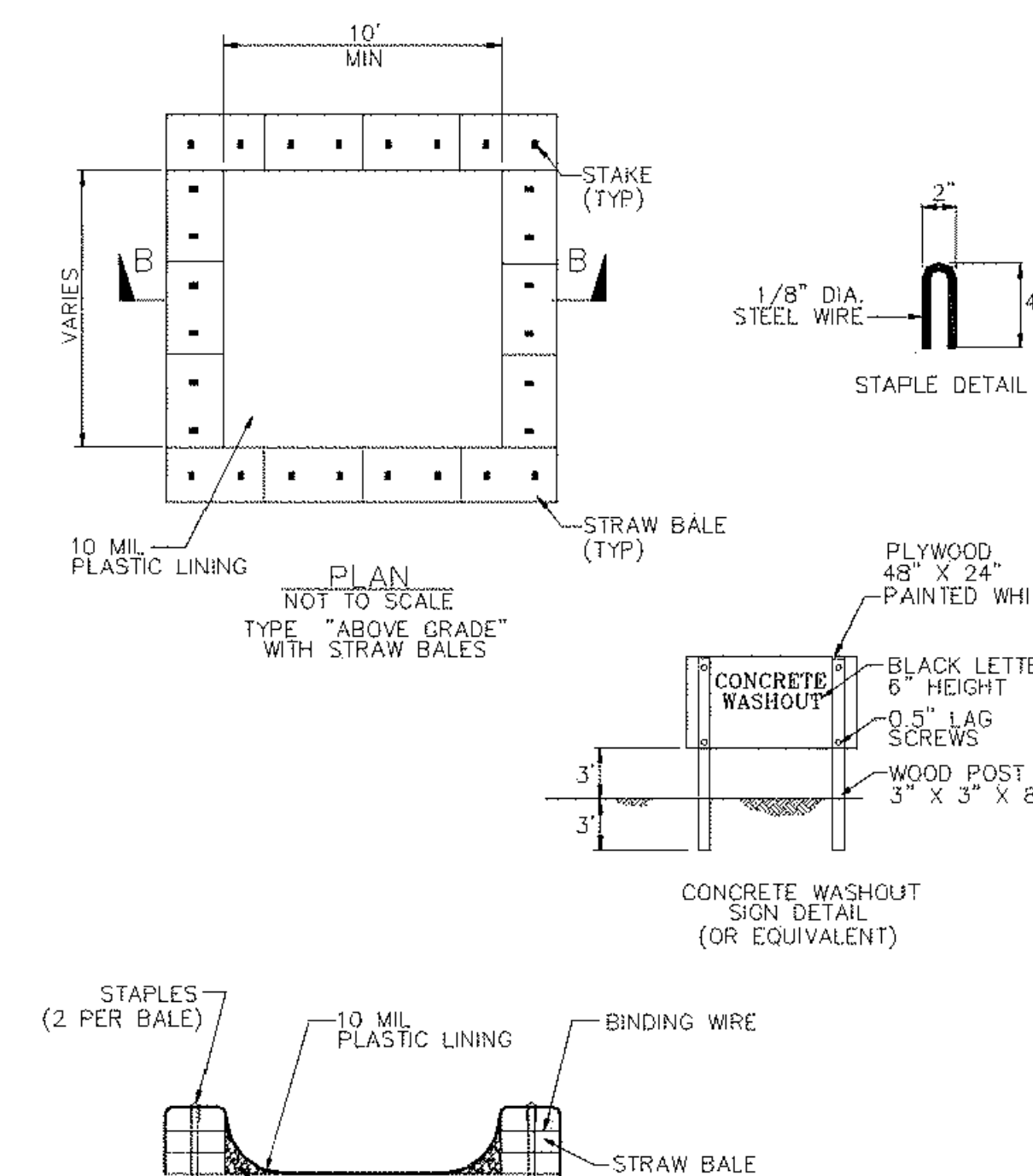
SE-5 Fiber Rolls



- NOTES:**
- Install fiber roll along a level contour.
 - Vertical spacing measured along the face of the slope varies between 10' and 20'.
 - Install a fiber roll near slope where it transitions into a steeper slope.

TYPICAL FIBER ROLL INSTALLATION

Concrete Waste Management WM-8



- NOTES:**
- ACTUAL LAYOUT DETERMINED IN FIELD.
 - THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 50 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

SECTION B-B

IDENTIFICATION STAMP
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APP: 02-121593 INC.
REVIEWED FOR
FLS ACS
DATE: 12/18/2023

LIONAKIS
2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
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CONSULTANT

WC
WARREN CONSULTING ENGINEERS, INC.
117 WINDFIELD WAY, SUITE 110
EL CORRALO HILLS, CA 95702 (916) 985-1870

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
No. D14586
STATE OF CALIFORNIA
1010003

PROJECT
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ATHLETIC FIELDS RENOVATION**

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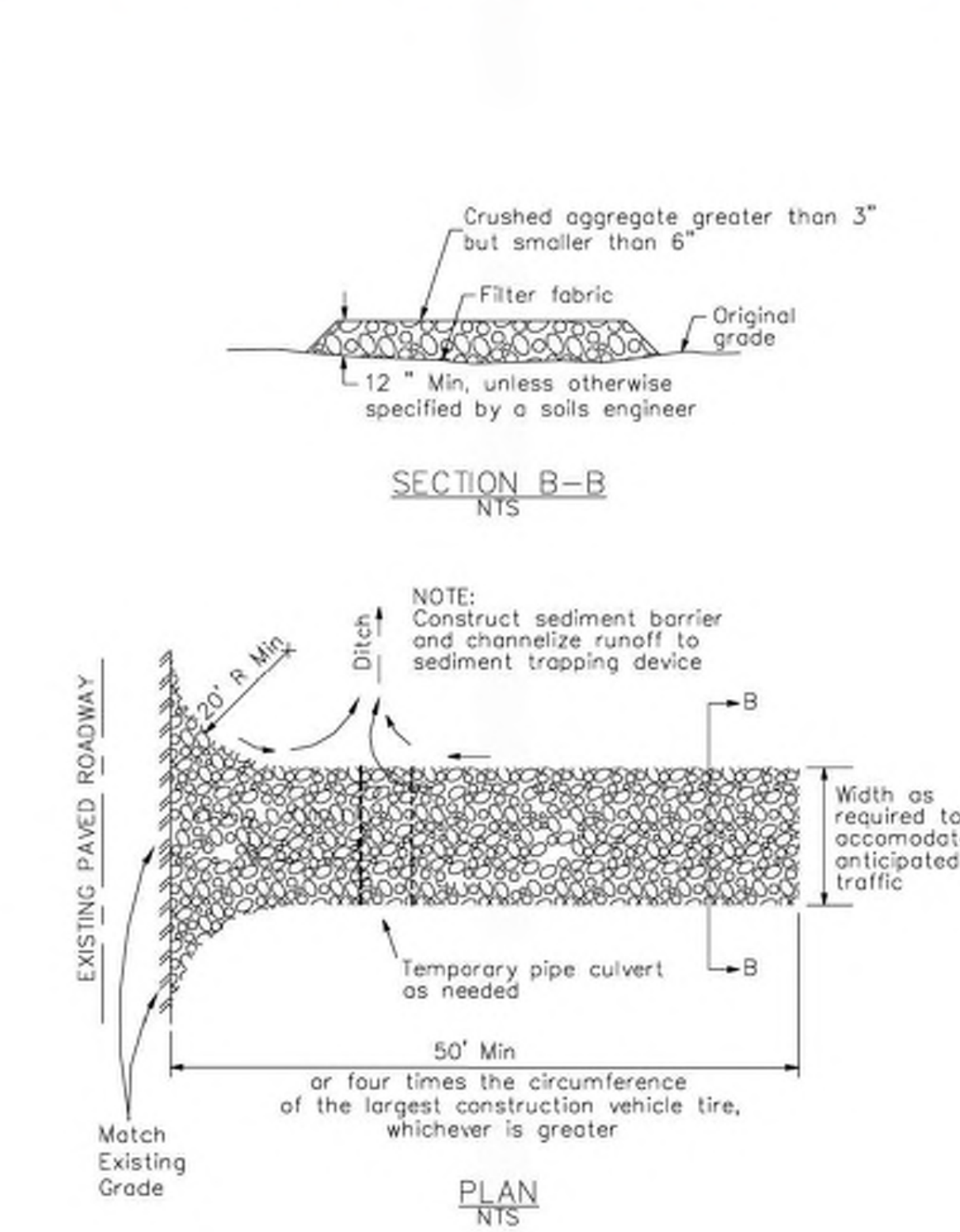
MANAGEMENT

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CLIENT PROJECT NO.	####
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TITLE
**EROSION CONTROL NOTES
& DETAILS**

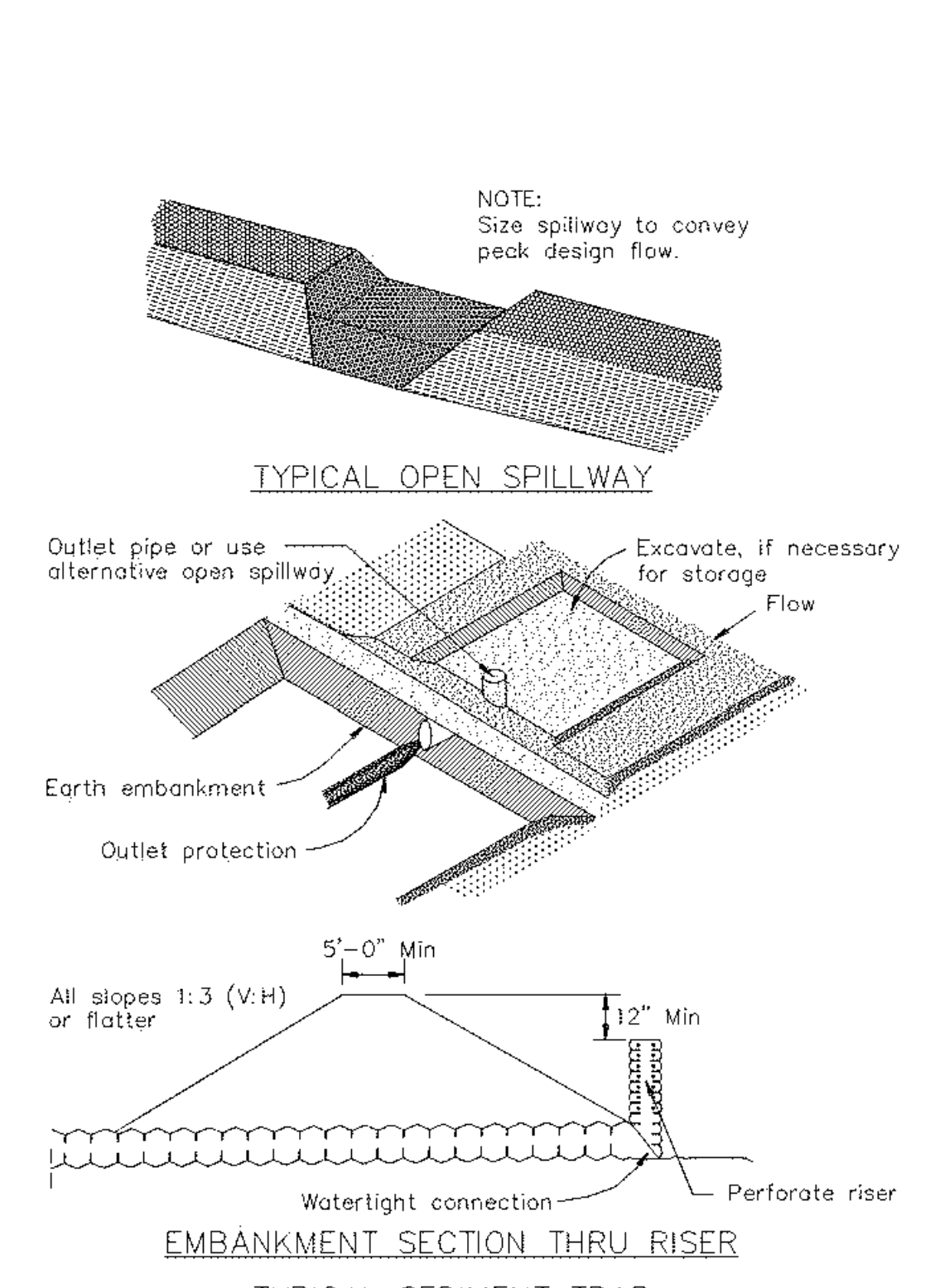
SHEET
CK001

Stabilized Construction Entrance/Exit TC-1



SECTION B-B

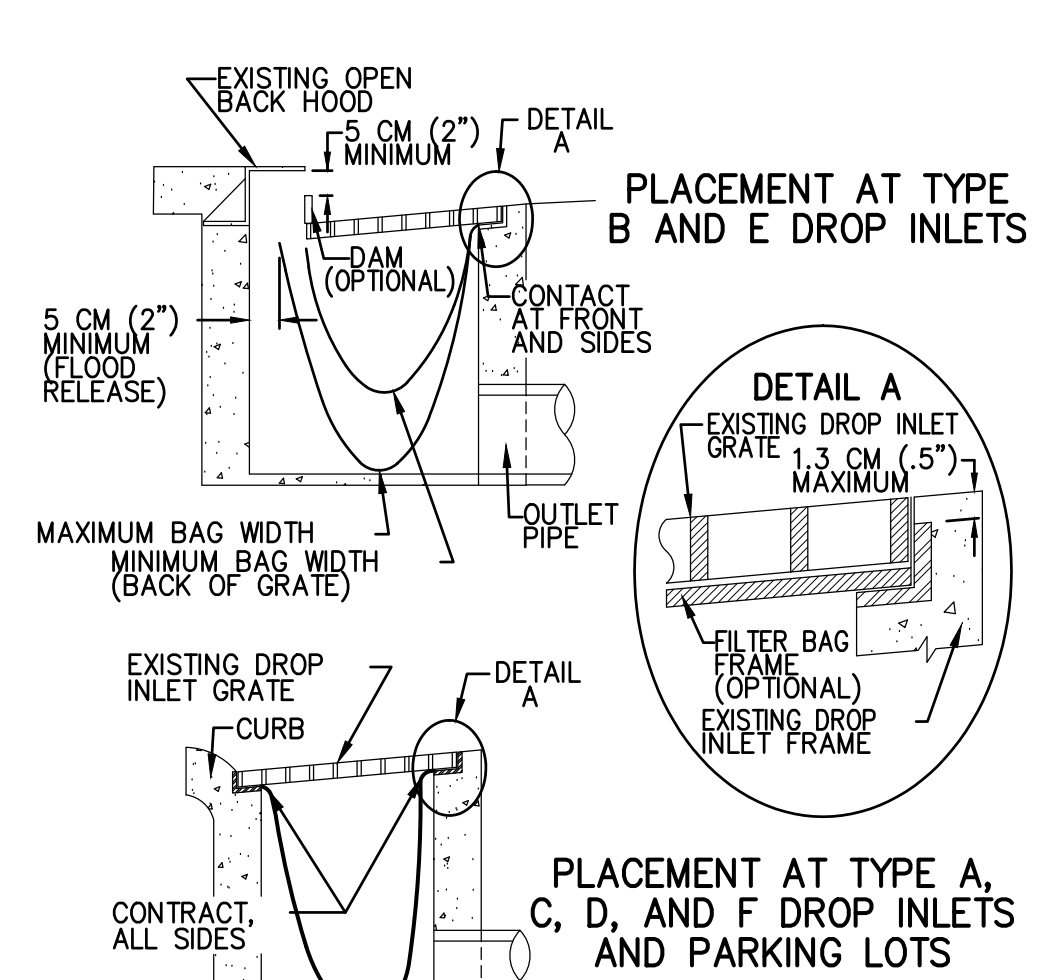
Sediment Trap SE-3



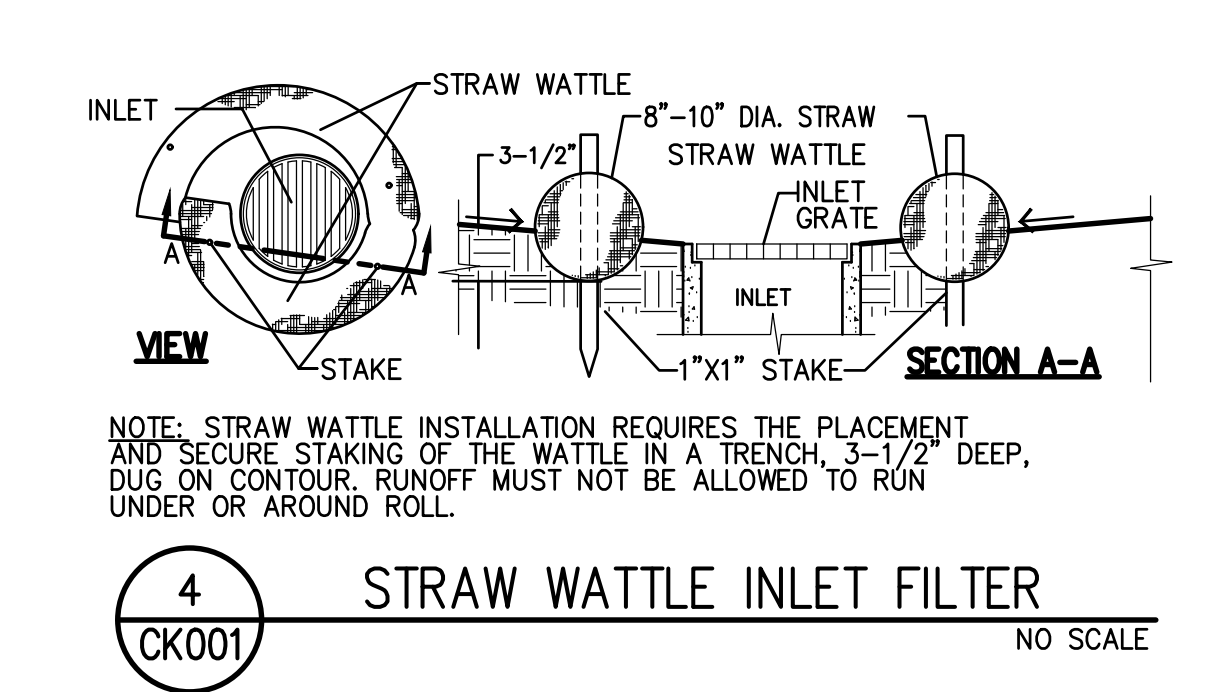
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EROSION AND SEDIMENT CONTROL NOTES

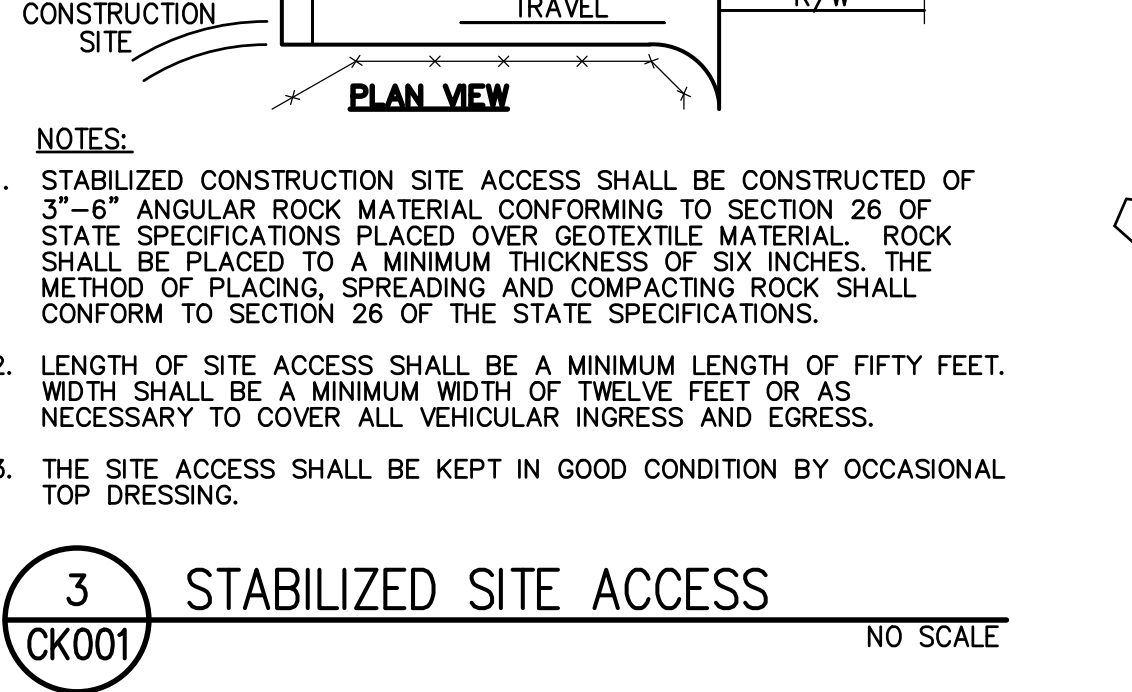
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE EFFECTIVE FOR THE DURATION OF THE CONSTRUCTION ACTIVITY.
- NO STORM RUNOFF WATER SHALL BE ALLOWED TO DRAIN DIRECTLY INTO THE EXISTING UNDERGROUND STORM SYSTEM BEFORE THE ONSITE STORM DRAIN SYSTEM IS INSTALLED.
- AS SOON AS IS PRACTICAL AFTER THE NEW ONSITE STORM SYSTEM IS INSTALLED, THE CATCH BASINS SHALL BE INSTALLED AND BMP'S SHALL BE INSTALLED AS DESCRIBED IN SECTION 19.05, CONSTRUCTION SPECIFICATIONS.
- SHOULD THE PROPOSED ONSITE STORM SYSTEM NOT BE INSTALLED BY OCTOBER 1ST, TEMPORARY SEDIMENT BASINS SHALL BE CONSTRUCTED AROUND THE OPENINGS OF ANY EXISTING STORM PIPES THAT DRAIN THE SITE, PER CASQA BMP'S AND STANDARDS OR PER A SPECIAL DETAIL SHOWN ON THE PLAN.
- THE NAME, ADDRESS AND 24-HOUR TELEPHONE NUMBER OF THE PERSON RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE PROVIDED.
- PROVIDE STABILIZED ACCESS 50'-MINIMUM LENGTH BY 10'-15' MINIMUM WIDTH. THE MINIMUM DEPTH OF STONES FOR THE ACCESS ROAD SHALL BE 12" OR AS RECOMMENDED BY A SOILS ENGINEER. SELECT ENTRANCE STABILIZATION MATERIALS (AGGREGATE, HMA, CONCRETE GREATER THAN 3" BUT SMALLER THAN 6") BASED ON LONGEVITY, REQUIRED PERFORMANCE AND SITE CONDITIONS. PROPERLY GRADE THE ACCESS AREA TO PREVENT RUNOFF AND DESIGN IT TO SUPPORT THE HEAVIEST VEHICLES IN USE. OTHER MEASURES TO PREVENT TRACKING ONTO ROADWAYS MAY BE USED IF APPROVED BY THE CITY. THIS DOES NOT NEED TO BE DONE AT DRIVEWAYS, WHICH WILL BE CLOSED BY IMMOVABLE BARRICADES DURING CONSTRUCTION.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THE EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS, BUT ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF THE CITY ENGINEER.
- DURING THE RAINY SEASON AS SPECIFIED IN NOTE 1', ALL SIDEWALK AND PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF FROM ENTERING ANY STORM DRAINAGE SYSTEM.
- THE EROSION AND SEDIMENTATION CONTROL PLAN COVERS ONLY THE FIRST WINTER DURING WHICH CONSTRUCTION IS TO TAKE PLACE. PLANS ARE TO BE RESUBMITTED PRIOR TO SEPTEMBER 1 OF EACH SUBSEQUENT YEAR UNTIL THE CITY ACCEPTS THE SITE IMPROVEMENTS.
- THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT AND REPAIR ALL EROSION CONTROL FACILITIES AT THE END OF EACH WORK DAY DURING THE RAINY SEASON.
- THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAN OUT SEDIMENT BASINS WHENEVER THE LEVEL OF SEDIMENT REACHES THE SEDIMENT CLEAN OUT LEVEL INDICATED ON THE PLANS.
- THE RESPONSIBILITIES OF THE CONTRACTOR TO PROTECT TEMPORARY BORROW AREAS AND/OR STOCKPILES WITH APPROPRIATE EROSION CONTROL MEASURES SATISFACTORY TO THE CITY ENGINEER.
- THE CLEANING OF PAVED STREETS, DURING AND AT THE COMPLETION OF CONSTRUCTION, SHALL BE PERFORMED WITH MECHANICAL SWEEPERS. THE USE OF WATER TRUCKS TO "WASH DOWN" THE STREET IS PROHIBITED.
- THE EROSION AND SEDIMENTATION CONTROL PLAN, DETAILS, NOTES AND CALCULATIONS IF REQUIRED, MUST BE A PART OF THE PLAN CHECK SUBMITTAL PACKAGE FOR EITHER GRADING PERMIT ONLY OR FINAL SITE APPROVAL. THE DESIGN ENGINEER PRIOR TO PLAN PREPARATION SHOULD CONSULT THE CITY ENGINEER IF THE NEED FOR A SEPARATE PLAN IS IN DOUBT.



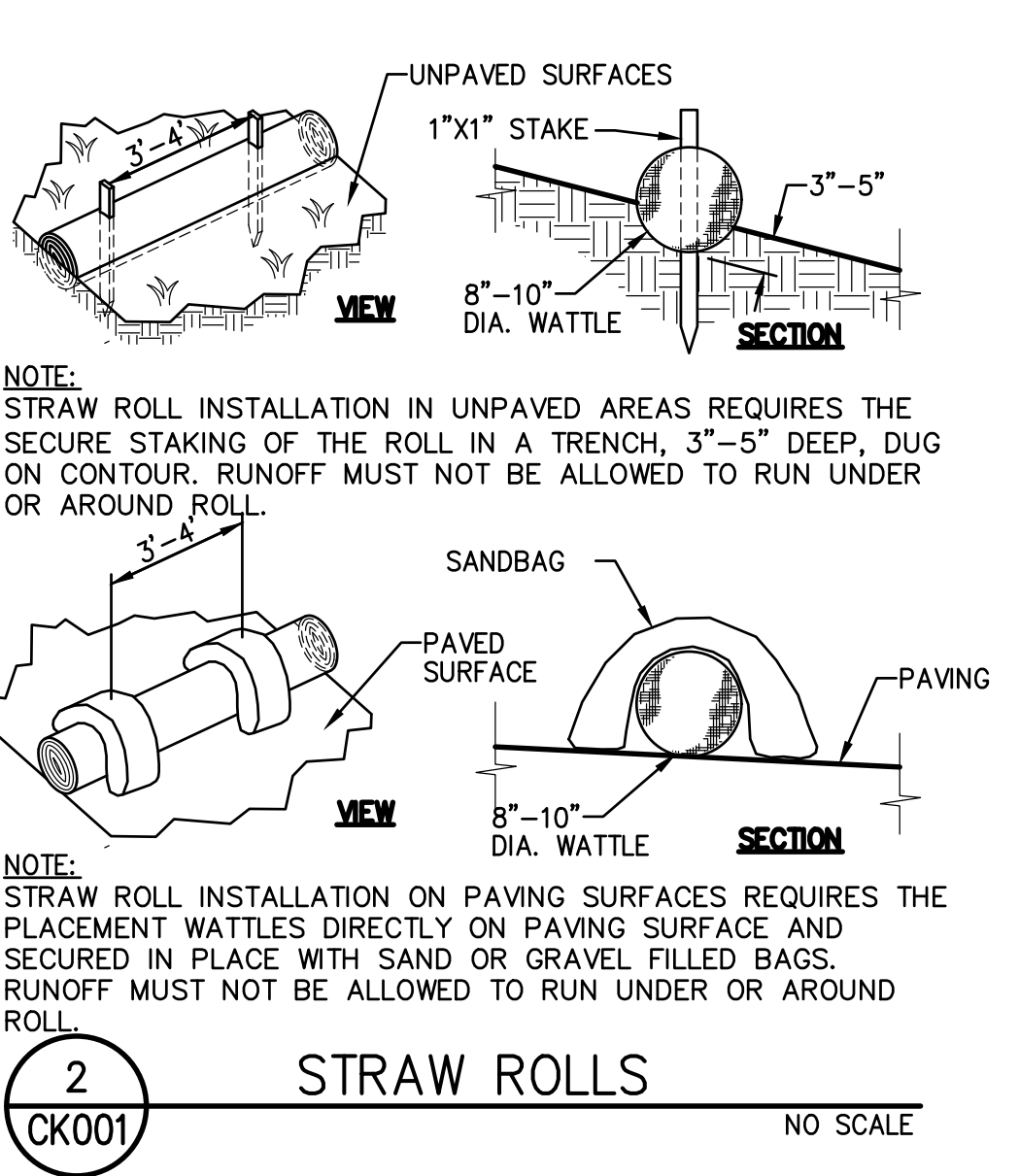
- NOTES:**
- THE MAXIMUM DRAINAGE AREA PER FILTER BAG SHALL BE NO MORE THAN 0.8 HECTARES(2 ACRES)
 - THE FILTER BAG SHALL BE MANUFACTURED FROM UV RESISTANT POLYPROPYLENE, NYLON, POLYESTER, OR ETHYLENE FABRIC WITH A MINIMUM TENSILE STRENGTH OF 50 LBS. PER LINER FEET, WITH AN EQUIVALENT OPENING SIZE NOT GREATER THAN A 20 SIEVE AND WITH A MINIMUM FLOW RATE OF 40 GALLON/MINUTE/SQUARE FOOT.
 - THE FILTER BAG MAY BE SUSPENDED FROM OR HELD IN PLACE BY THE EXISTING INLET GRATE (OR OTHER APPROVED METHOD), PROVIDING NO MODIFICATION OR DAMAGE SHALL BE DONE TO THE INLET GRATE OR FRAME. THE INLET GRATE SHALL NOT BE CAUSED THE REST MORE THAN 1.3 CM (.5") ABOVE THE INLET FRAME. (SEE DETAIL A).
 - THE FILTER BAG MAY EXTEND TO THE BOTTOM OF THE INLET BOX PROVIDED THE OUTLET PIPE IS UNOBSTRUCTED.
 - FLOWS SHALL NOT BE ALLOWED TO BYPASS THE BAG. THE BAG OR ITS FRAME SHALL CATCH FLOWS AT ALL SIDES OF THE INLET, EXCEPT AS SHOWN FOR FLOOD RELEASE.
 - INLET FILTER BAGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL DURING THE WET SEASON AND MONTHLY DURING THE DRY SEASON. SEDIMENT AND DEBRIS SHALL BE REMOVED BEFORE ACCUMULATIONS HAVE REACHED ONE THIRD THE DEPTH OF THE BAG. BAGS SHALL BE REPAIRED OR REPLACED AS SOON AS DAMAGE OCCURS.



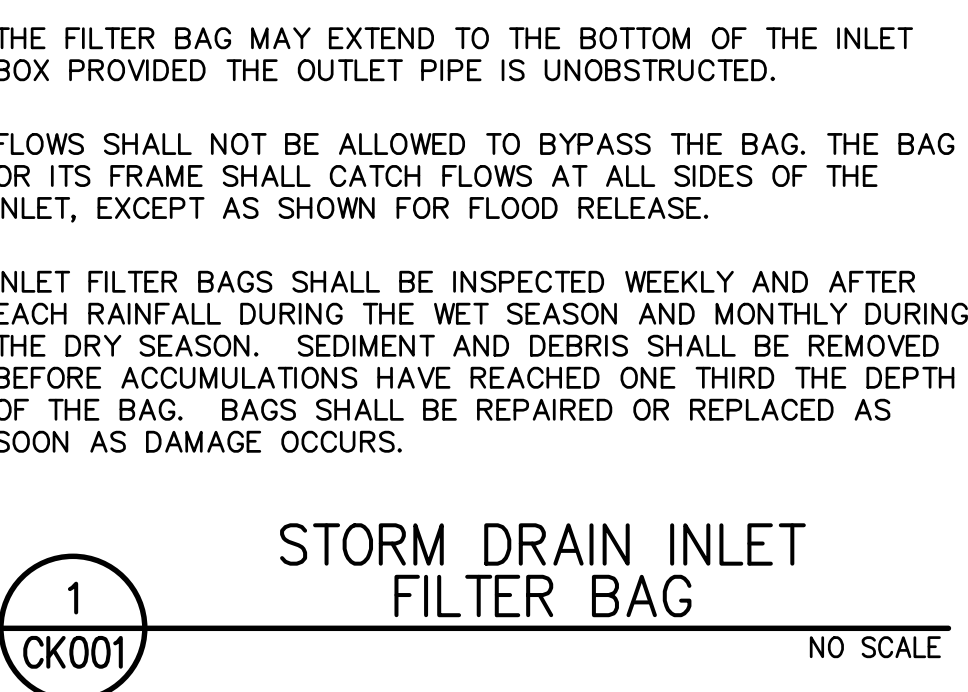
STRAW WATTLE INLET FILTER



STABILIZED SITE ACCESS



STRAW ROLLS



STORM DRAIN INLET FILTER BAG

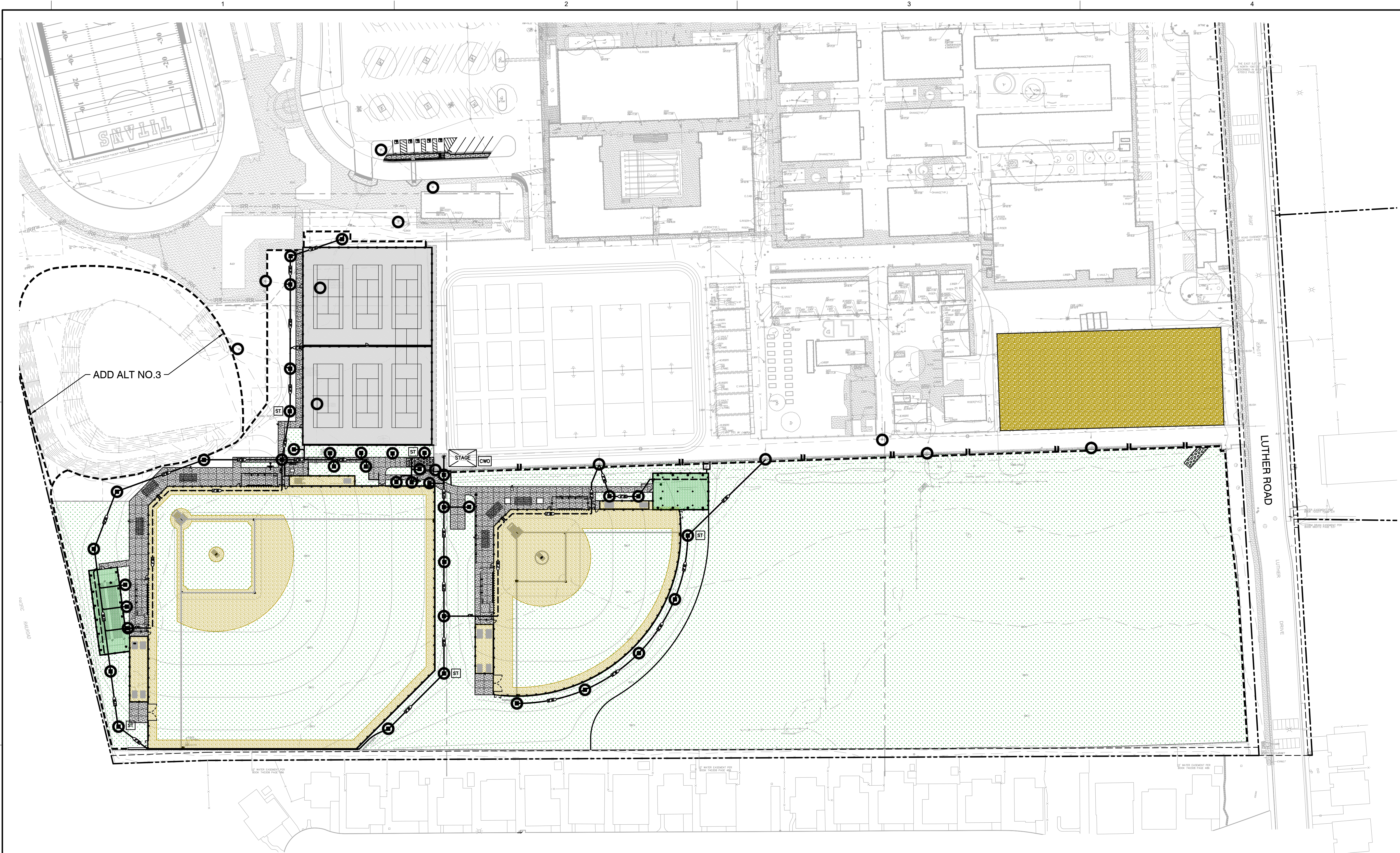
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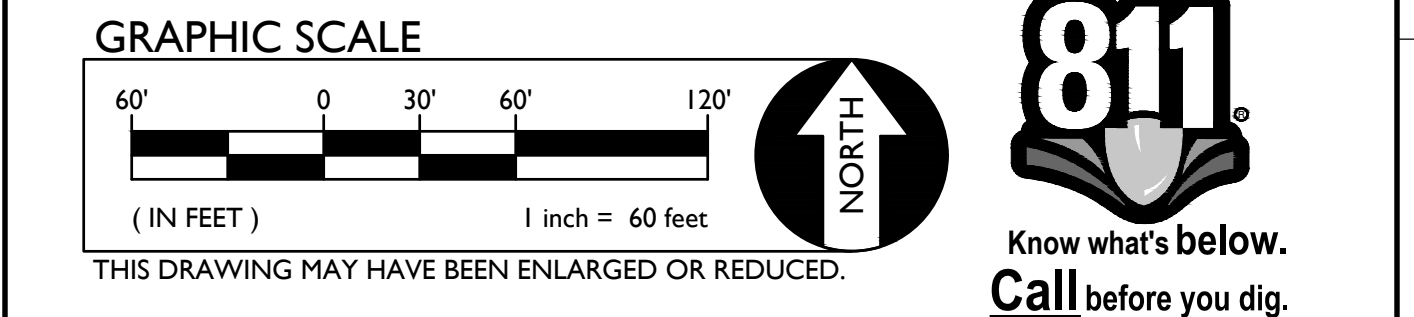
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- LEGEND**
- NEW EX
 - 1. CONTRACTOR SHALL PROVIDE STRAW WATTLE BARRIER AT ALL INLETS (NEW AND/OR EXIST.) IN AREAS OF WORK, OR AS REQUIRED BY CONTRACTOR'S SWPPP. FOR INLETS WITHIN PROPOSED PAVED AREAS, USE STRAW WATTLE FILTERS UNTIL JUST PRIOR TO PAVING OPERATIONS, THEN REPLACE WITH FILTER BAGS PER THE DETAILS PROVIDED. FILTER BAGS ARE NOT ALLOWED IN UNPAVED AREAS.
 - 2. CONTRACTOR SHALL PROVIDE STRAW WATTLES AT PERIMETER OF SITE AND IN AREAS REQUIRED TO ELIMINATE OR IMPED THE FLOW OF SEDIMENT. IN PAVED AREAS, WATTLES CAN BE PLACED OVER PAVING AND HELD IN PLACE WITH SANDBAGS AT 6' O.C.
 - 3. CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION SITE ACCESS PER DETAIL AT LOCATIONS REQUIRED FOR CONSTRUCTION ACTIVITIES.
 - 4. CONTRACTOR SHALL CONSTRUCT AND UTILIZE A CONCRETE WASH-OUT IN ACCORDANCE WITH WM-8 OF THE CALIFORNIA STORMWATER QUALITY ASSOCIATION BMP HANDBOOK.
 - 5. CONTRACTOR SHALL CONSTRUCT AND UTILIZE A STAGING AREA IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS IN SECTION 4 OF THE CALIFORNIA STORMWATER QUALITY ASSOCIATION BMP HANDBOOK. SIZE AS NEEDED. AFTER CONSTRUCTION COMPLETE, RETURN AREA TO NATURAL CONDITION. REMOVE AND REPLACE ALL DAMAGED PAVEMENT, HYDROSEED IF NECESSARY COVER ANY UN-SURFACED AREAS.
 - 6. CONSTRUCT SAND BAG OR STRAW WATTLE DAMS IN GUTTER TO CAPTURE ANY SEDIMENT LADEN RUN-OFF FROM ESCAPING THE SITE TO INLETS.
 - 7. TO CAPTURE RUNOFF AND PROTECT FROM DISCHARGE, SEDIMENT TRAPS PER STADNARD SE-3 ARE RECOMMENDED IN LOW AREAS COLLECTING SIGNIFICANT RAINFALL.
 - 8. BIO-RETENTION BASINS SHALL EITHER BE CONSTRUCTED TOWARD THE END OF CONSTRUCTION AFTER MOST PAVING AND LANDSCAPING IS COMPLETE, OR SHALL BE COVERED WITH PLASTIC SHEETING DURING CONSTRUCTION SO AS NOT TO CONTAMINATE THE BIO-RETENTION SOILS BY THE CONSTRUCTION RUNOFF. WHILE BASIN IS LINED WITH PLASTIC, PUMPING AND FILTERING OF STORM WATER WILL LIKELY BE REQUIRED AND SHALL BE PROVIDED BY THE CONTRACTOR. LEAVING THE OUT THE DRAIN ROCK AND BIO-RETENTION SOIL UNTIL THE END OF THE PROJECT WILL INCREASE BASIN CAPACITY DURING CONSTRUCTION AND MAY REDUCE OR ELIMINATE THE NEED FOR FILTERING SYSTEMS BY ALLOWING TIME FOR SETTLEMENT AND MANUAL REMOVAL OF SEDIMENT.



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121593 INC.
REVIEWED FOR
SS FLS ACS
DATE: 12/18/2023

LIONAKIS

2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

WC REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
No. 014586
State of California
10/09/2023

WARREN CONSULTING ENGINEERS, INC.
117 WINDFIELD WAY, SUITE 110
EL CORRALO HILLS, CA 95702 (916) 985-1870

PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

1 EROSION CONTROL

SCALE 1" = 60'-0"

SEDIMENT TRAP NOTE

SHAPE OF SEDIMENT TRAPS CAN BE VARIABLE AND BE CONSTRUCTED WITH SIMPLE GRADED BERMS OR PLUGGING OF SELECT STORM DRAINS (WHICH WILL NOT CREATE A HAZARD) TO CAPTURE RUNOFF. WATER MAY BE RELEASED FROM BASINS IF ENOUGH TIME HAS ALLOWED SEDIMENTS IN WATER TO SETTLE OUT. SAMPLING OF WATER PRIOR TO DISCHARGE MAY BE REQUIRED. REFER TO SWPPP. CONTRACTOR SHALL MAKE PREPARATIONS FOR PUMPING AND FILTERING IN THE EVENT GRAVITY DRAINING CANNOT BE PERFORMED. SEE ADDITIONAL REQUIREMENTS AND SIZING LISTED BELOW:

- SEDIMENT TRAPS SHALL BE CONSTRUCTED AS THE FIRST STEP WHEN THERE IS MASS CLEARING OR GRADING AND SHALL BE LOCATED AT THE POINT WHERE DRAINAGE DISCHARGES FROM A SITE AS NOTED ON PLANS.
- THE TRAP STORAGE VOLUME SHALL BE DESIGNED FOR 35 CUBIC YARDS PER ACRE OF CONTRIBUTING DRAINAGE AREA.
- SIDE SLOPES SHALL BE 3:1 (H:V) OR FLATTER AND THE MAXIMUM DEPTH SHALL BE 3.5 FEET.
- THE LENGTH OF A SEDIMENT TRAP SHALL BE 2 TIMES (MINIMUM) ITS WIDTH.

MAINTENANCE.

- TRAP MAINTENANCE SHALL BE YEAR ROUND. SEDIMENT MATERIAL SHALL BE REMOVED FROM THE BOTTOM TO RETAIN ONE FOOT OF CAPACITY AT ALL TIMES.
- TRAP SLOPES SHALL BE KEPT IN GOOD REPAIR. SLOPE FAILURES OR DAMAGE SHALL BE REPAIRED PROMPTLY.

- IF NOT SPECIFICALLY SHOWN, CONTRACTOR SHALL ADD THESE ITEMS TO THIS MAP AS THEY ARE LOCATED IN THE FIELD
- CONSTRUCTION TRAILER.
 - VEHICLE/EQUIPMENT MAINTENANCE AND FUELING AREA.
 - COVERED WASTE STORAGE (DUMPSTERS).
 - STAGING AREA.
 - MATERIAL STORAGE.
 - SOIL STOCKPILES.
 - CONCRETE WASHOUT.

- MONITORING SCHEDULE**
- WITHIN 2 BUSINESS DAYS (48 HOURS) PRIOR TO EACH QUALIFYING RAIN EVENT.
 - EVERY 24 HOURS DURING A QUALIFYING RAIN EVENT.
 - WITHIN 2 BUSINESS DAYS (48 HOURS) AFTER EACH QUALIFYING RAIN EVENT RESULTING IN 0.50 INCHES OF RAIN OR MORE.
 - RECORD THE TIME, DATE AND RAIN GAUGE READING OF ALL QUALIFYING RAIN EVENTS.
 - QUARTERLY NON-STORM WATER DISCHARGE INSPECTIONS.
 - WEEKLY INSPECTIONS.

FINAL STABILIZATION NOTE

ALL DISTURBED AREAS, WHICH ARE NOT PAVED OR SURFACED AS PART OF THESE PLANS, OR LANDSCAPED AS PART OF THE LANDSCAPE PLANS, EVEN THOSE AREAS NOT SHOWN TO BE DISTURBED BY THIS SET OF PLANS BUT ARE OTHERWISE DISTURBED BY CONSTRUCTION OR ACCESS BY EQUIPMENT, SHALL BE STABILIZED BY ONE OF THE FOLLOWING METHODS:

- HYDROSEED (ACCEPTABLE ONLY IF SUFFICIENT TIME IS PRESENT TO ENSURE VEGETATION ESTABLISHMENT PRIOR TO RAIN EVENTS.)
- HYDROSEED WITH EROSION CONTROL BLANKETS OR MATS.
- STRAW MULCH WITH SOIL BINDERS.
- METHODS MAY BE APPROVED BY THE COUNTY AFTER REVIEW WITH COUNTY INSPECTOR.

S.W.P.P.P. CONTACTS

S.W.P.P.P. PREPARED BY (OSD): _____ PHONE: _____

S.W.P.P.P. PREPARED BY (OSD): _____ PHONE: _____

S.W.P.P.P. ENFORCED BY (OSP): _____ PHONE: _____

RESPONSIBLE PARTY: _____

CONTACT NAME: _____

CONTACT PHONE: _____

EARTHWORK ESTIMATES

NET CUT QUANTITY _____ CY

NET FILL QUANTITY _____ CY

NET CUT/FILL _____ CY

NOTE: THESE EARTHWORK VALUES ARE ONLY ESTIMATES BASED ON PERFECT CONDITIONS AND ARE INTENDED FOR PLAN CHECK PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CALCULATE HIS/HER OWN EARTHWORK VALUES IN PREPARING BIDS. USE OF THESE VALUES FOR BID PURPOSES WILL BE AT YOUR OWN RISK.

ON/OFF HAUL GENERAL NOTE

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY AND ALL PERMITS, GRADING, EROSION, OR OTHER, NECESSARY FOR THE SITE IN WHICH SOIL IS ON-HAULED FROM, OR OFF-HAULED TO. LARGE QUANTITIES OF SOIL BEING HAULED MAY BE SUBJECT TO HAUL ROUTE APPROVAL AND SHALL BE DISCUSSED WITH SITE INSPECTOR. IF HAUL ROUTE APPROVAL IS REQUIRED, IT IS THE CONTRACTORS RESPONSIBILITY TO DEVELOP THIS PLAN AND GAIN APPROVAL.

PHASE OF CONSTRUCTION	EROSION AND SEDIMENT CONTROL MEASURES																
	WET SEASON							WET & DRY SEASON									
	HYDRO SEEDING	STRAW MULCHING (TRUCKS)	SOIL BINDERS	PRESERVATION OF EXISTING VEGETATION	BLANKETS MATS & GEOTEXTILES	FIBER ROLLS	DUST CONTROL	OUTLET PROTECTION	SILT FENCING	SAND/GRAVEL BAG BARRIERS	STORM DRAIN INLET PROTECTION	SEDIMENT BASIN	SEDIMENT TRAP	DEWATERING	STABILIZED CONSTRUCTION ENTRANCE	MATERIAL & WASTE DISPOSAL LOCATION	CONCRETE WASHOUT
PRE-GRADING				X			X										
CUT-FILL ACTIVITIES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
UNDERGROUND WORK	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STORM IMPROVEMENTS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CURB AND GUTTER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STREET IMPROVEMENTS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PAVE OUT	X			X	X		X	X		X	X			X		X	X
POST CONSTRUCTION	X	X	X	X													

SITE CONDITION	DUST CONTROL PRACTICES									
	PERMANENT VEGETATION	MULCHING	WET SUPPRESSION (WATERING)	CHEMICAL DUST SUPPRESSION	GRAVEL OR ASPHALT	SILT FENCING	TEMPORARY GRAVEL CONSTRUCTION ENTRANCES AND EQUIPMENT WASHDOWN	HAUL TRUCK COVERS	MINIMIZE EXTENT OF DISTURBED AREA	
DISTURBED AREAS (NON-TRAFFIC)	X	X	X	X	X	X	X	X	X	
DISTURBED AREAS (TRAFFIC)		X	X	X	X	X	X	X	X	
MATERIAL STOCKPILE AND STABILIZATION	X	X	X	X	X	X	X	X	X	
DEMOLITION			X	X			X	X	X	
CLEARING AND EXCAVATING	X	X	X	X	X	X	X	X	X	
TRUCK TRAFFIC ON UNPAVED ROADS			X	X	X		X	X	X	
MUD AND DIRT CARRY-OUT	X	X	X	X	X	X	X	X	X	

PROJECT INFORMATION

PROJECT NAME: **LUTHER BURBANK HIGH SCHOOL ATHLETIC FIELD REPLACEMENT**

SWPPP REQUIRED: **YES**

RISK LEVEL: **2**

PARCEL AREA _____ ACRES

ON-SITE DISTURBED AREA _____ ACRES

OFF-SITE DISTURBED AREA _____ ACRES

TOTAL DISTURBED AREA _____ ACRES

CONSTRUCTION SCHEDULE (ESTIMATED)

ACTIVITY	DATE	DATE
GRADING/UTILITIES	-	-
FINAL STABILIZATION	-	-

THIS IS NOT A S.W.P.P.P.

THE PURPOSE OF THIS PLAN IS TO AID THE CONTRACTOR IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). WARREN CONSULTING ENGINEERS, INC. ASSUMES NO RESPONSIBILITY FOR THE PREPARATION, IMPLEMENTATION, OR MAINTENANCE OF THE SWPPP. SHOULD A SWPPP NOT BE REQUIRED FOR THIS PROJECT, IT IS STILL THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT THE APPLICABLE STORMWATER QUALITY BMP'S IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT HIS/HER OWN METHODS AND PRODUCTS TO COMPLY WITH THESE ORDINANCES.

ON/OFF HAUL GENERAL NOTE

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY AND ALL PERMITS, GRADING, EROSION, OR OTHER, NECESSARY FOR THE SITE IN WHICH SOIL IS ON-HAULED FROM, OR OFF-HAULED TO. LARGE QUANTITIES OF SOIL BEING HAULED MAY BE SUBJECT TO HAUL ROUTE APPROVAL AND SHALL BE DISCUSSED WITH SITE INSPECTOR. IF HAUL ROUTE APPROVAL IS REQUIRED, IT IS THE CONTRACTORS RESPONSIBILITY TO DEVELOP THIS PLAN AND GAIN APPROVAL.

SWPPP GENERAL NOTES & REQUIREMENTS

- ANY CHANGES MADE TO THIS PLAN IN THE FIELD MUST BE SHOWN ON THIS MAP. UPDATE MAP TO REFLECT CHANGES.
- MAINTENANCE/REPAIRS OF BMP FAILURE SHALL BEGIN WITHIN 72 HOURS OF IDENTIFICATION AND CHANGES SHALL BE COMPLETED PRIOR TO THE NEXT RAIN EVENT.
- SEDIMENT AND EROSION CONTROL MEASURES ON THIS PLAN ARE MINIMUM BMP'S RECOMMENDED FOR COMPLIANCE. CONSTRUCTION SITE MUST BE MONITORED AND BMP'S SHALL BE MODIFIED DEPENDING ON CONSTRUCTION SCHEDULE AND RAIN EVENTS.

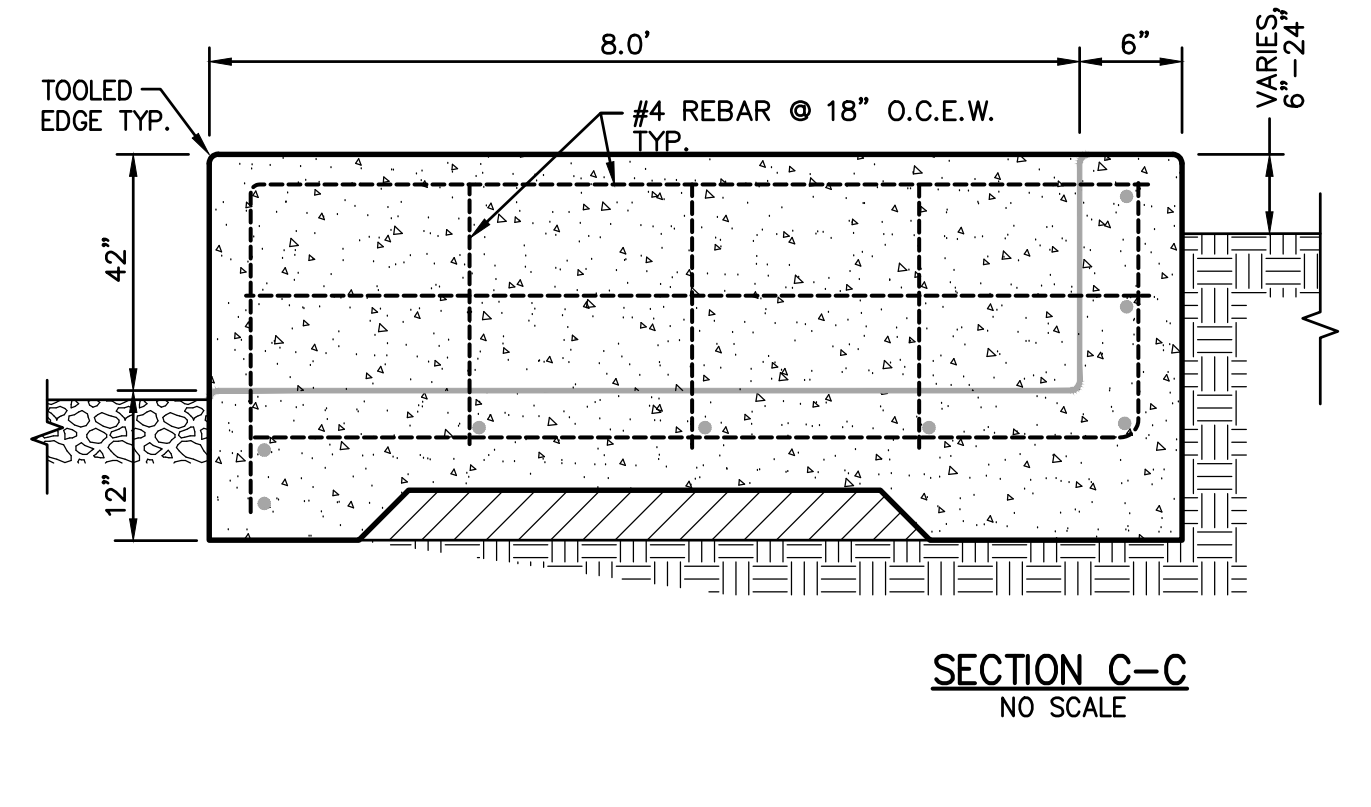
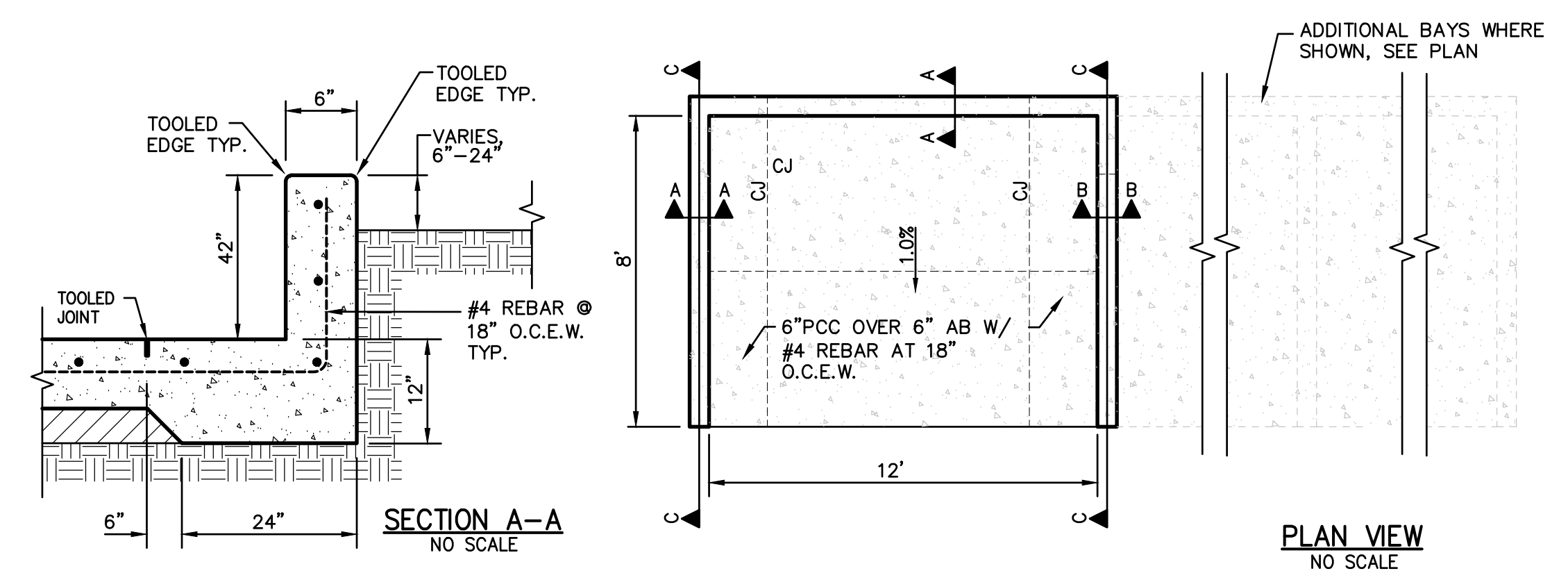
SEE GENERAL NOTES ON SHEET CK001

TITLE
EROSION CONTROL PLAN

SHEET
CK101

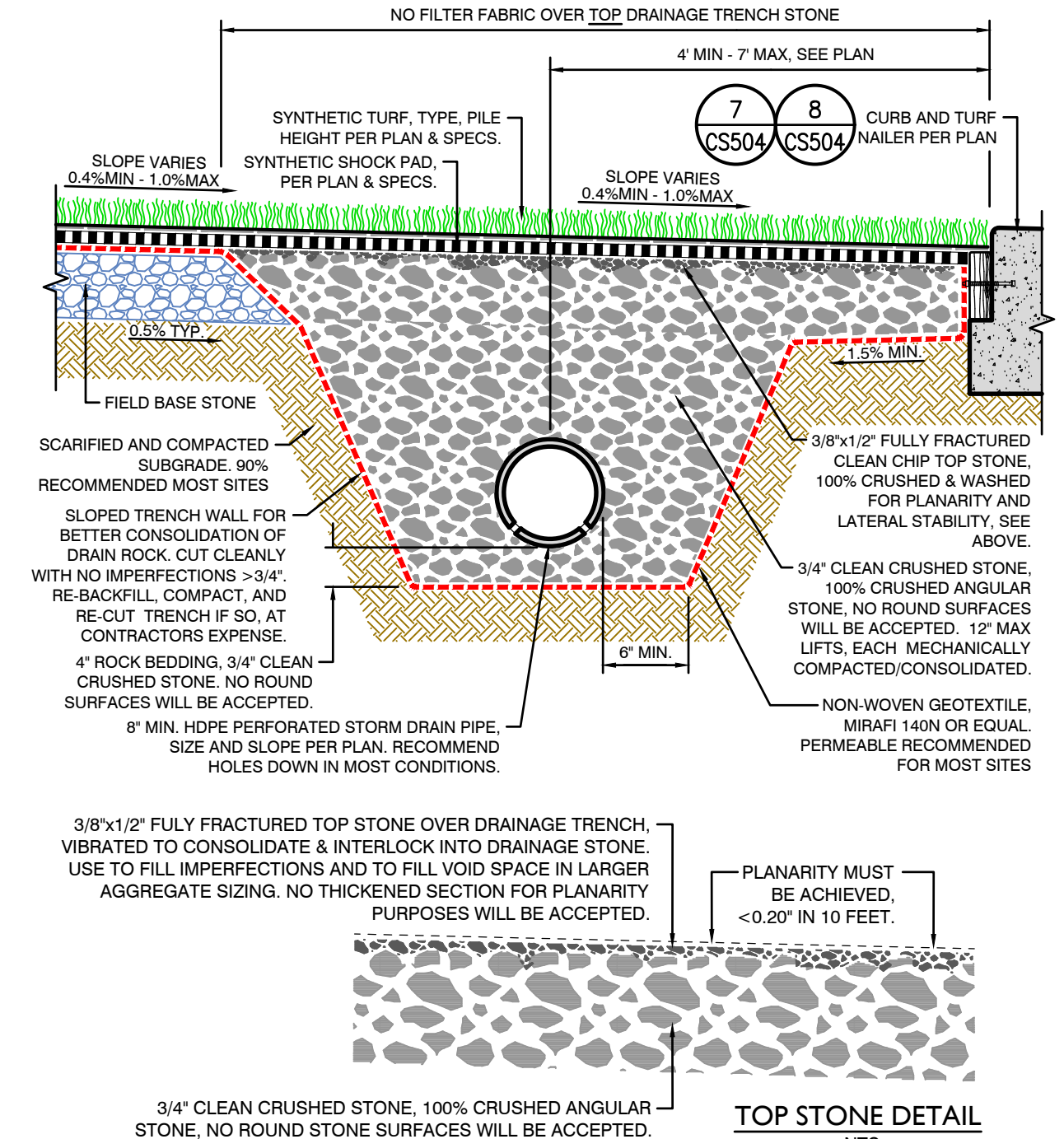
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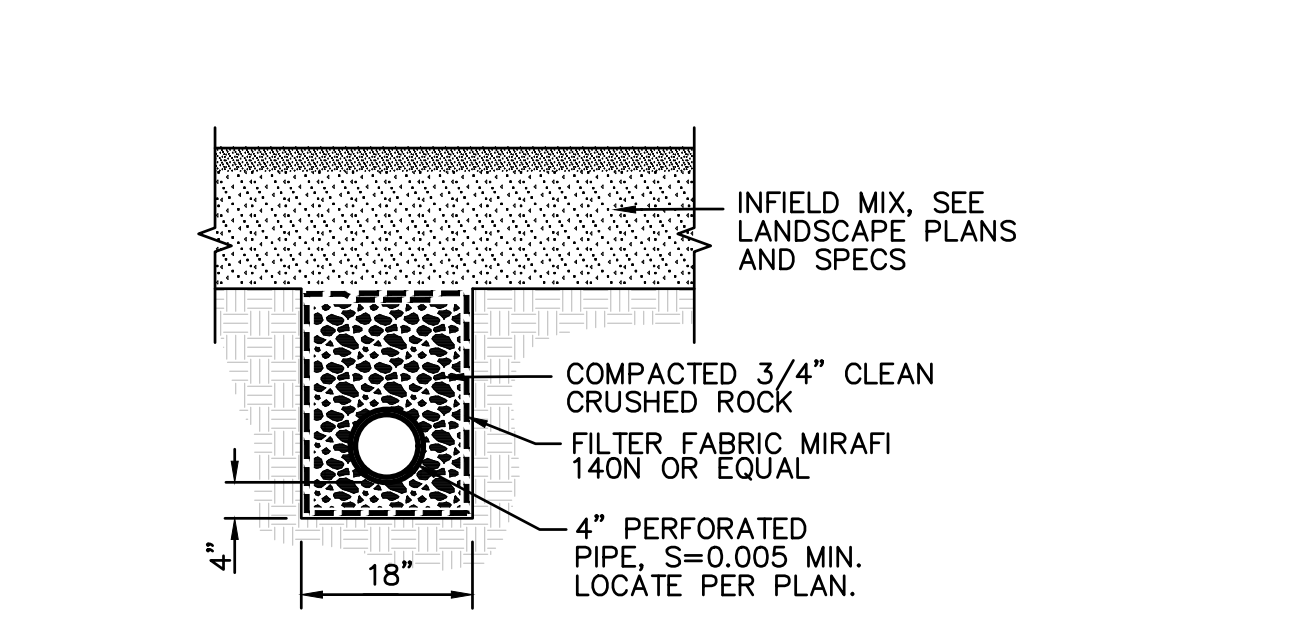


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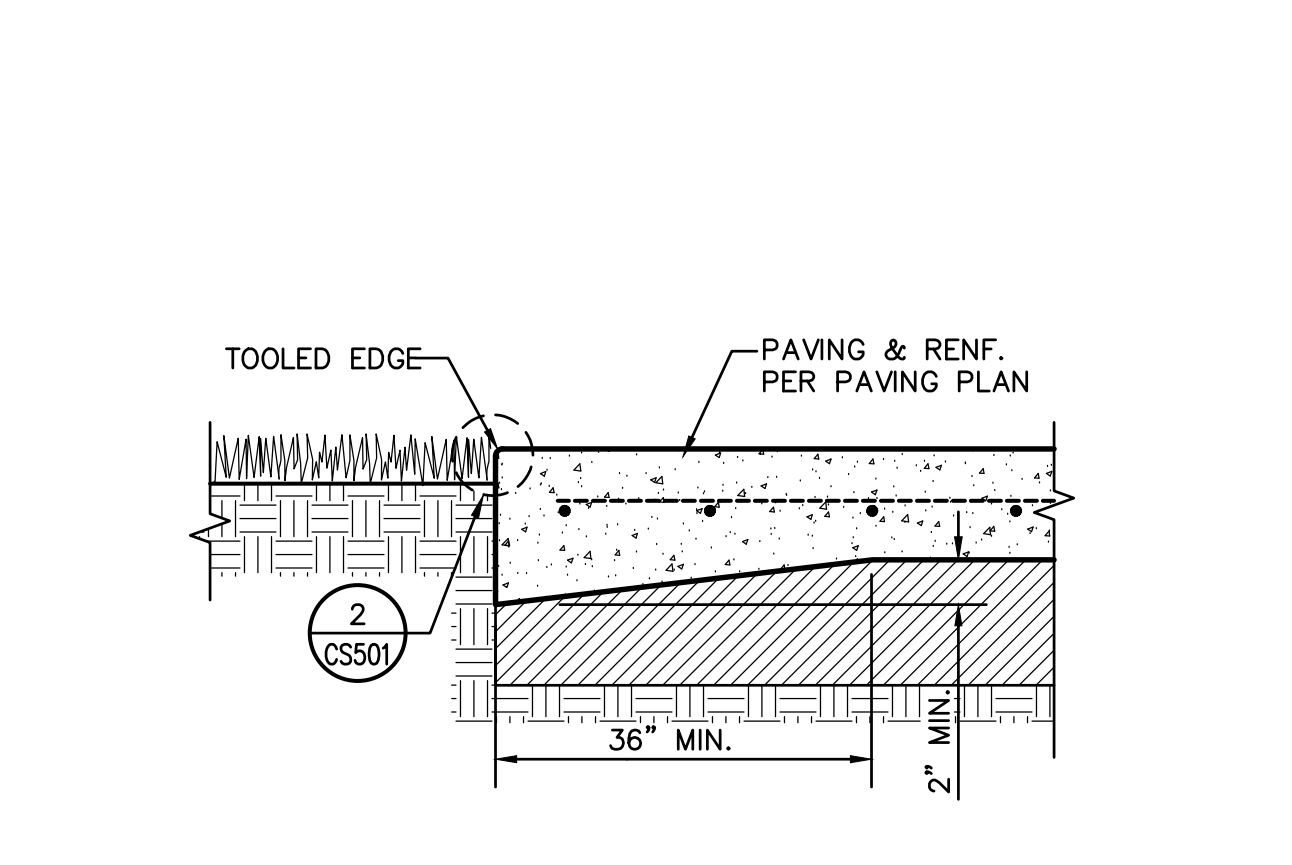
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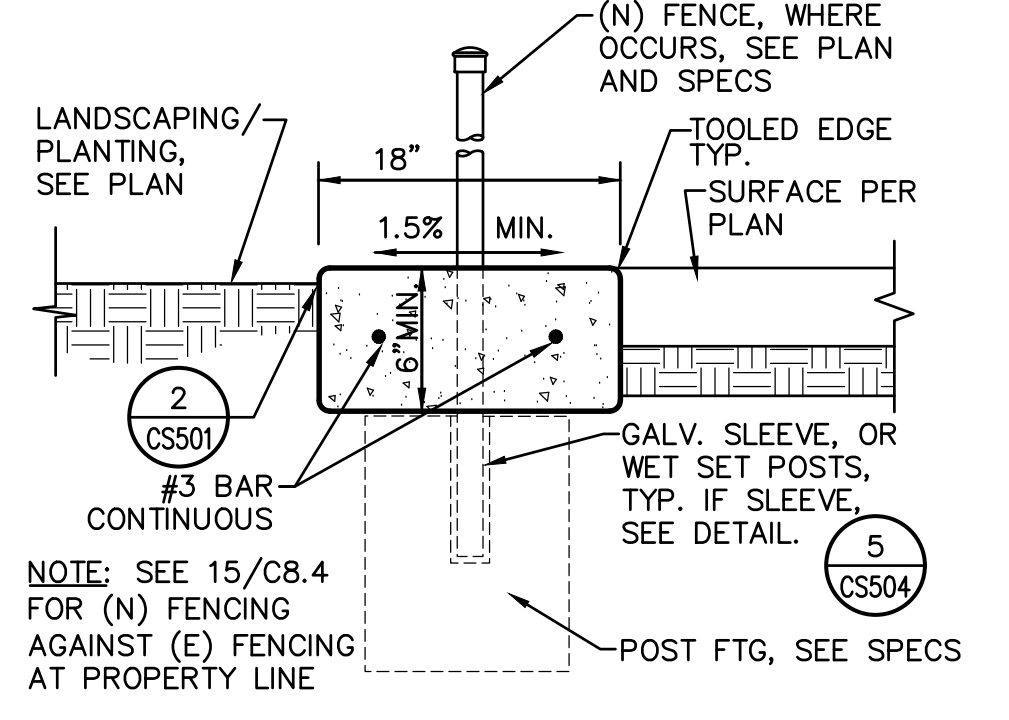


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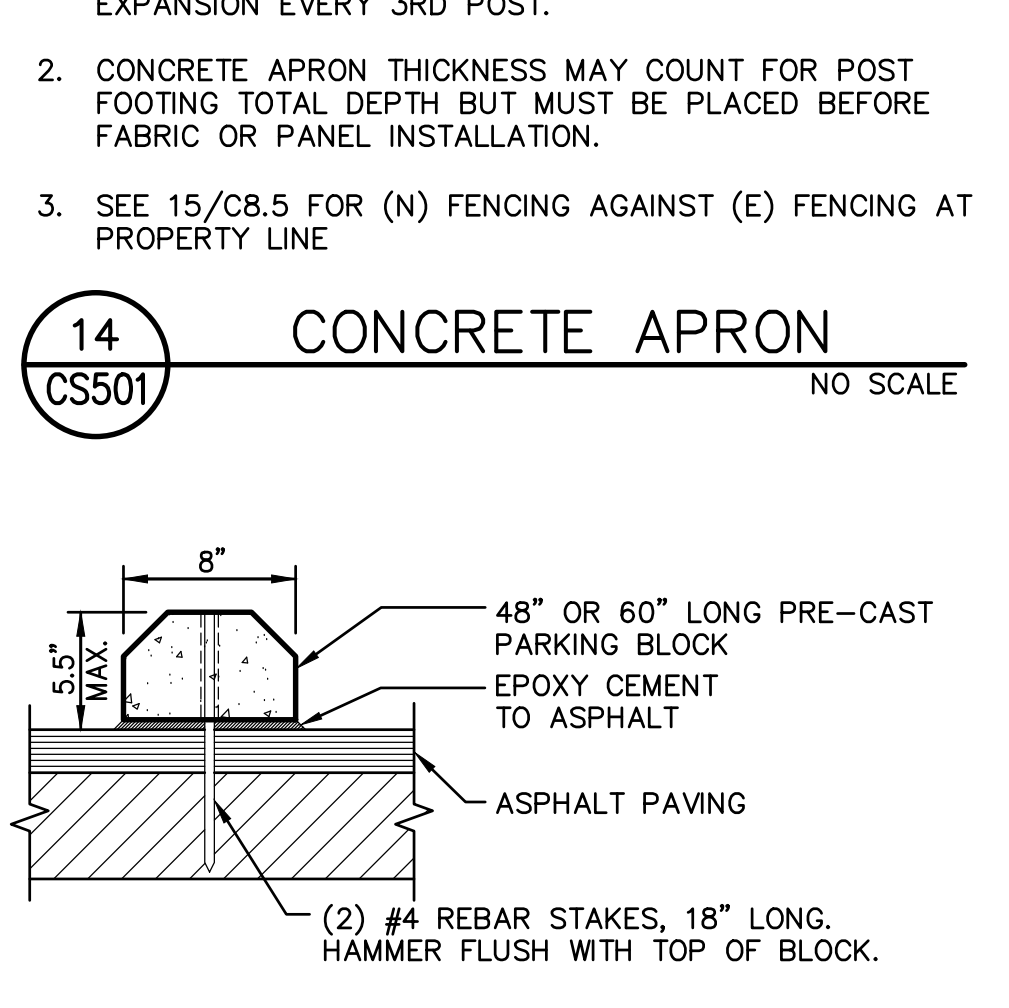


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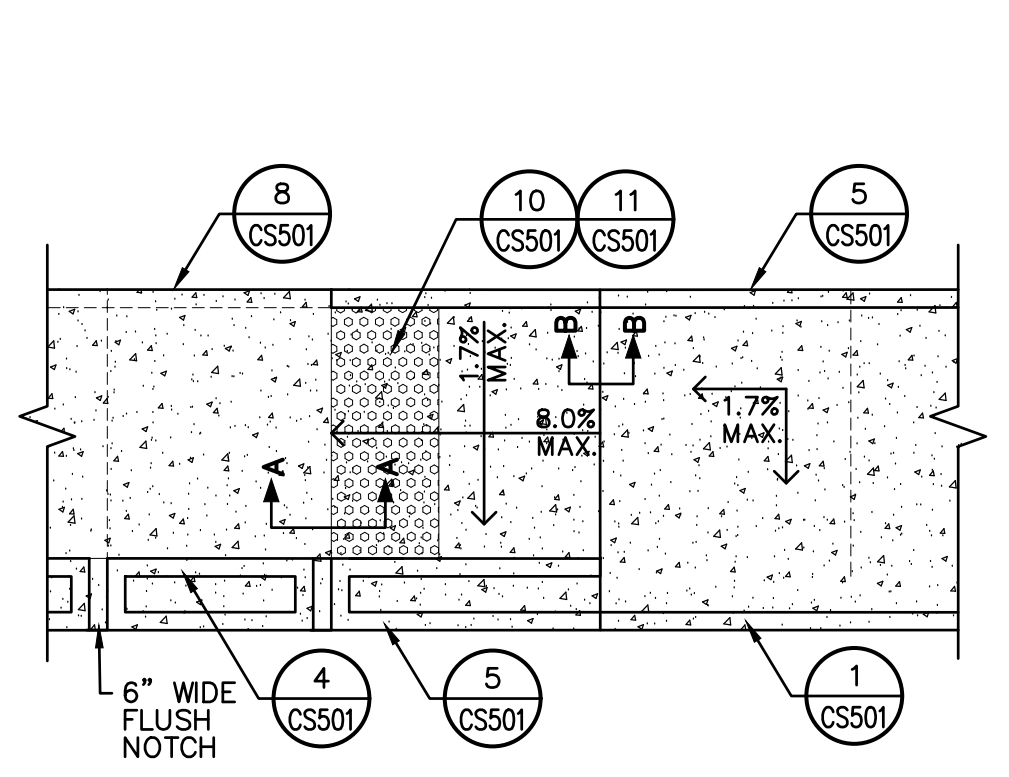
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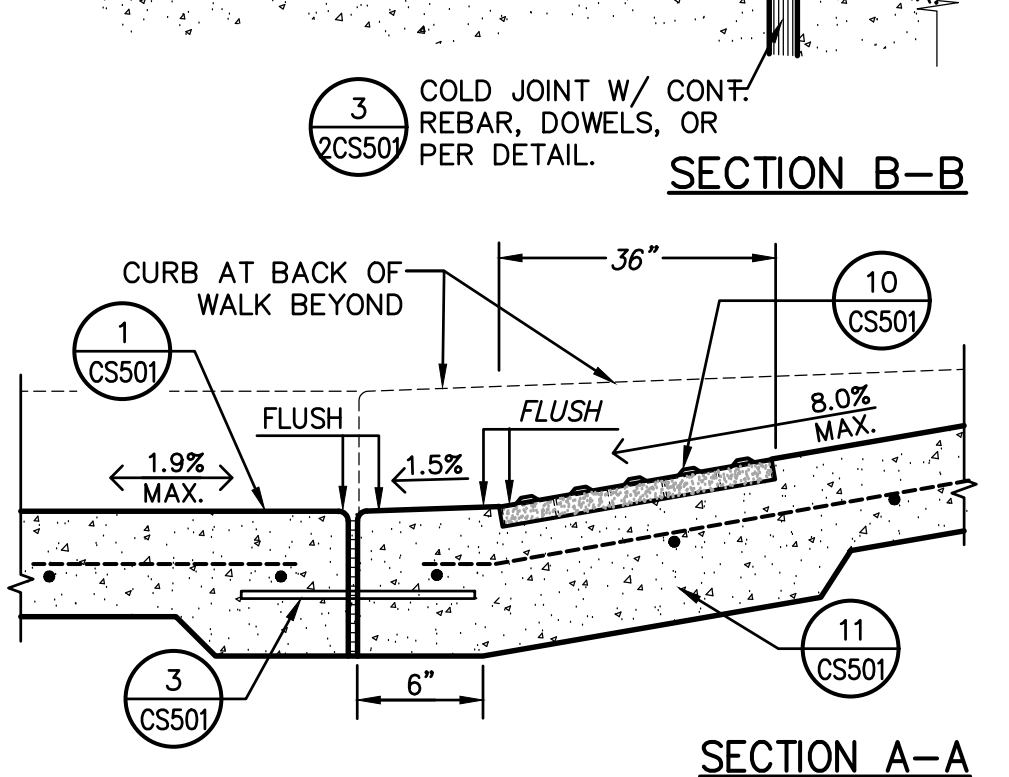
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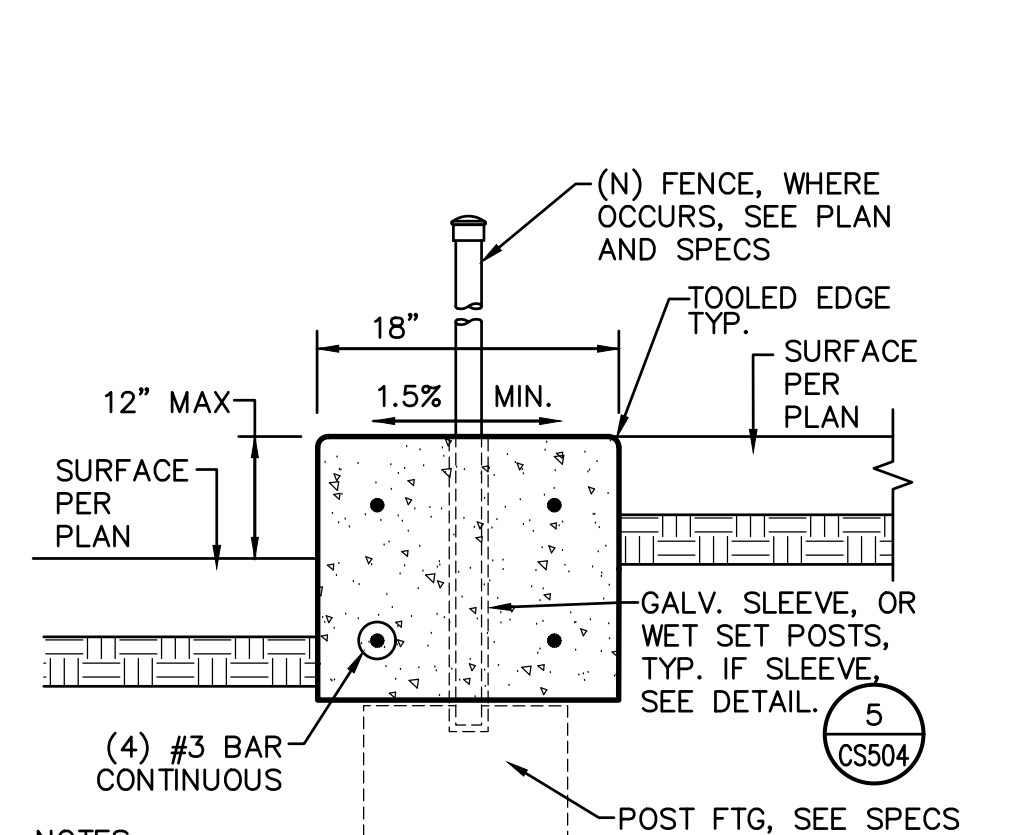
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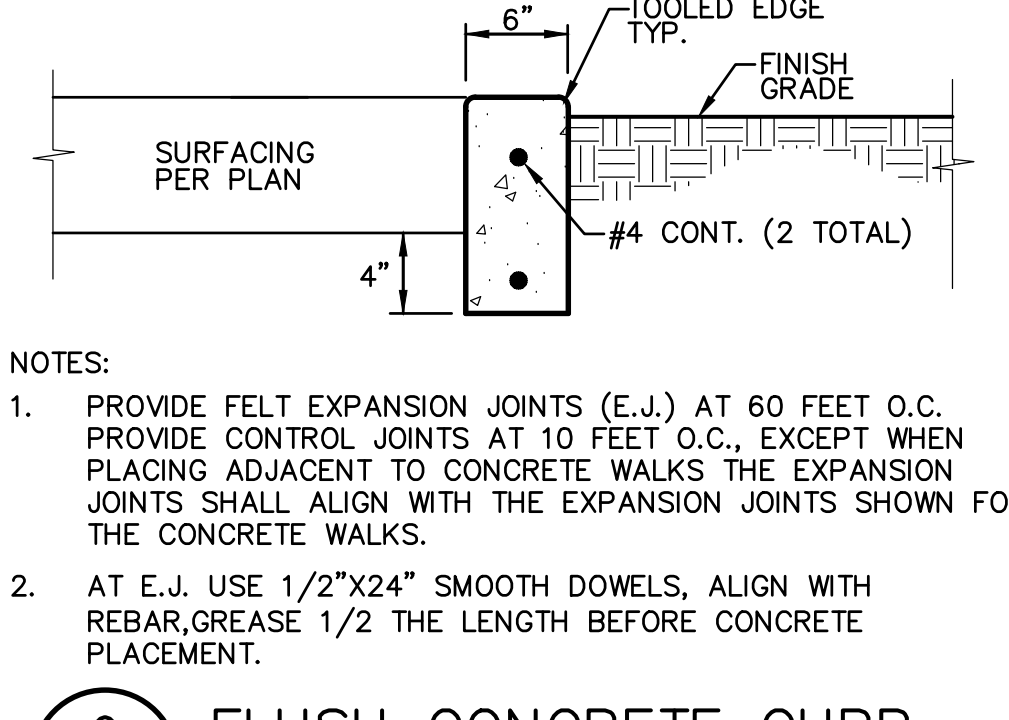


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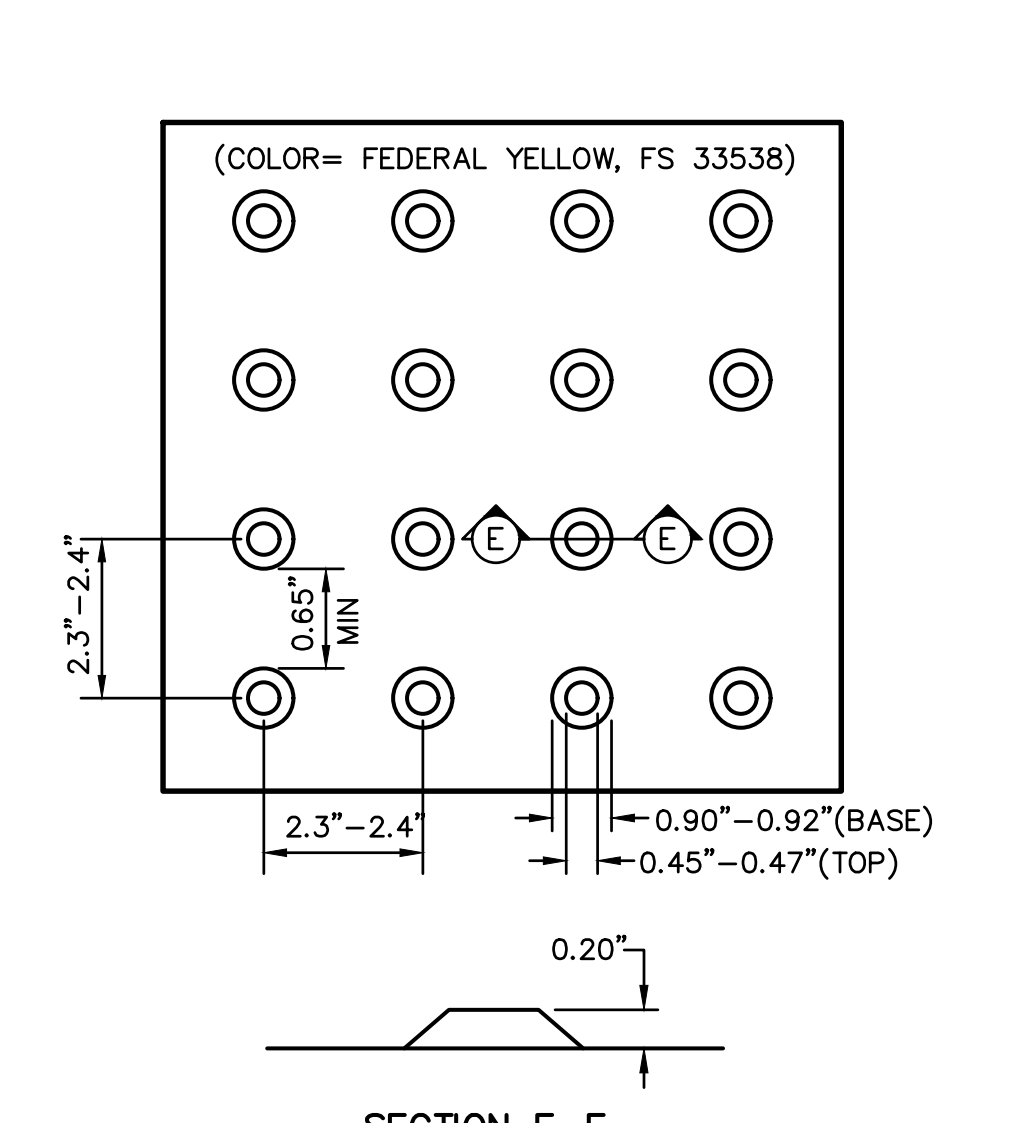


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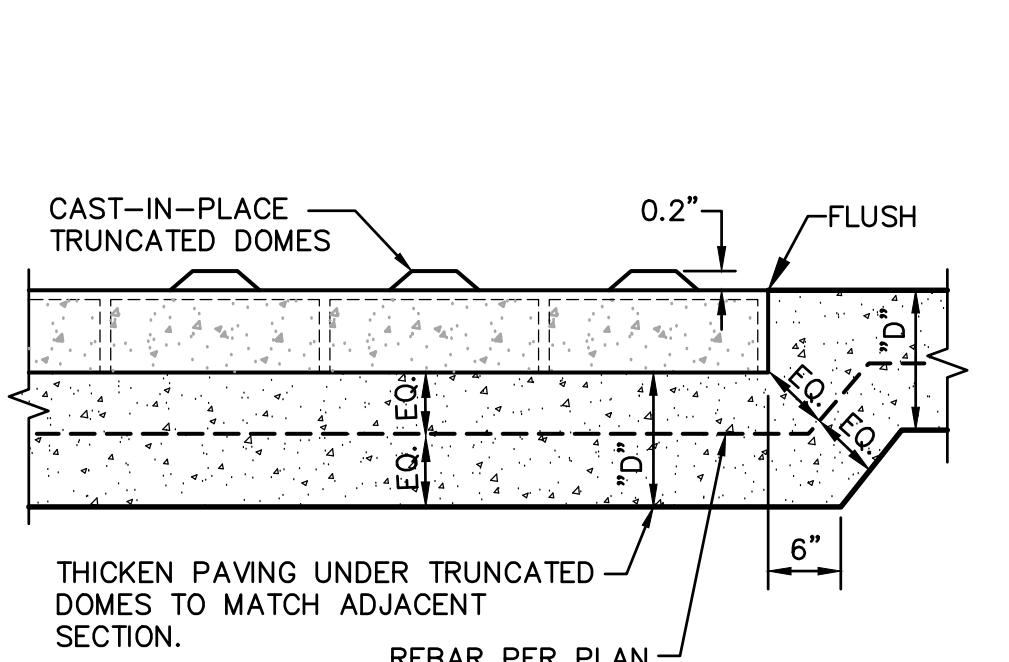
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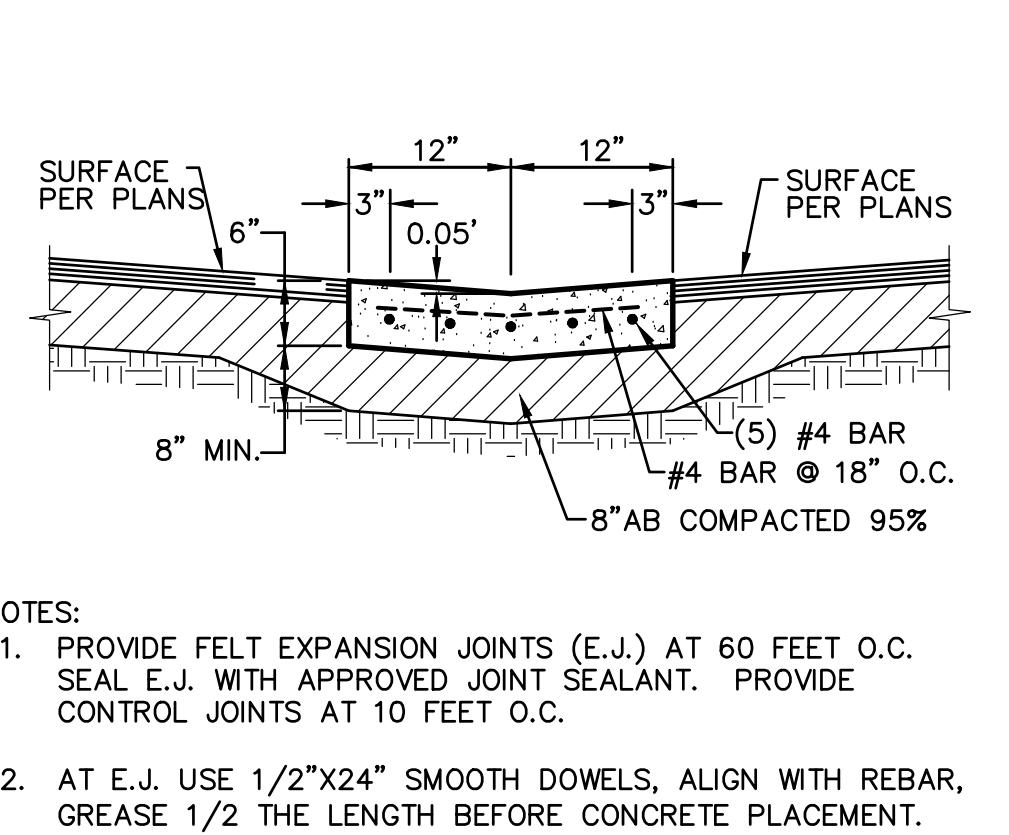
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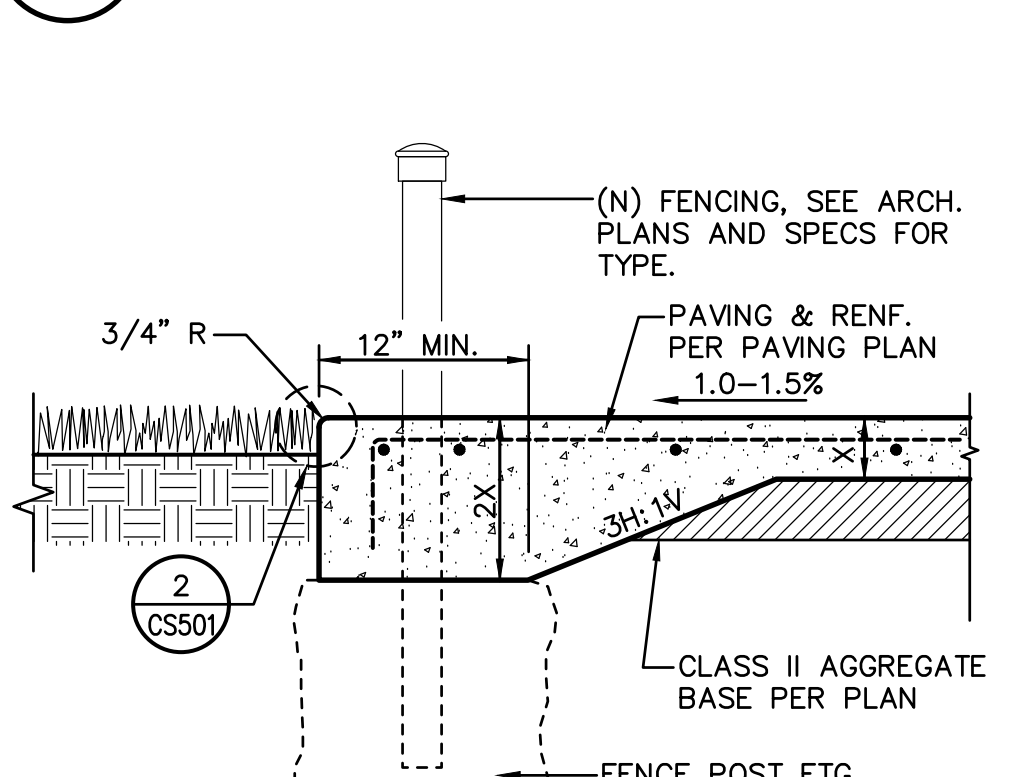
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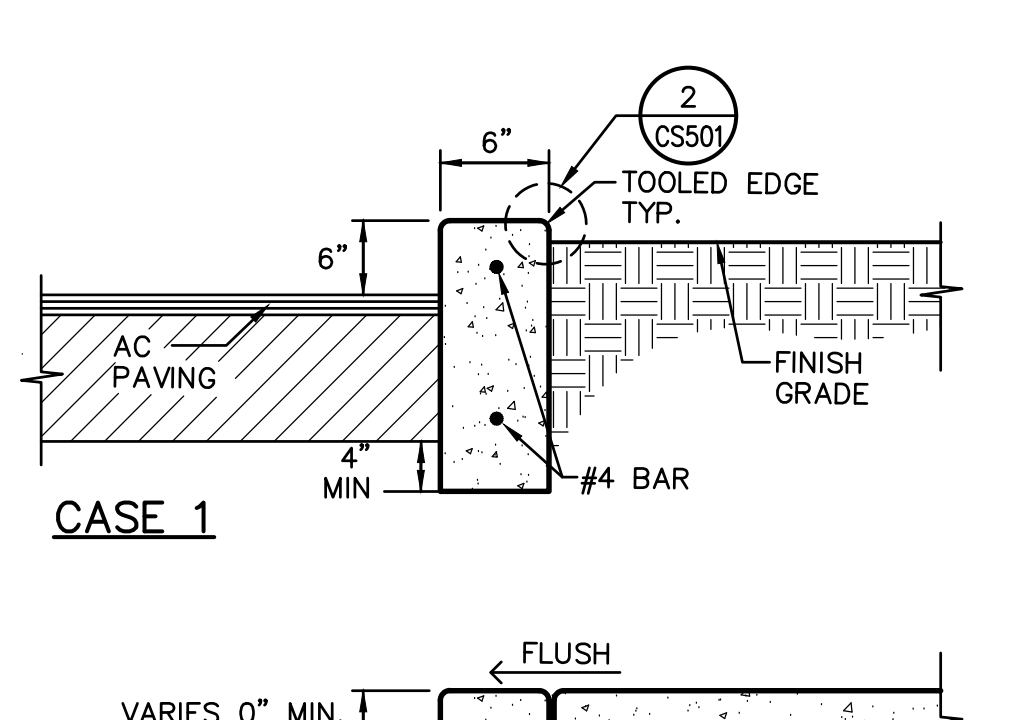


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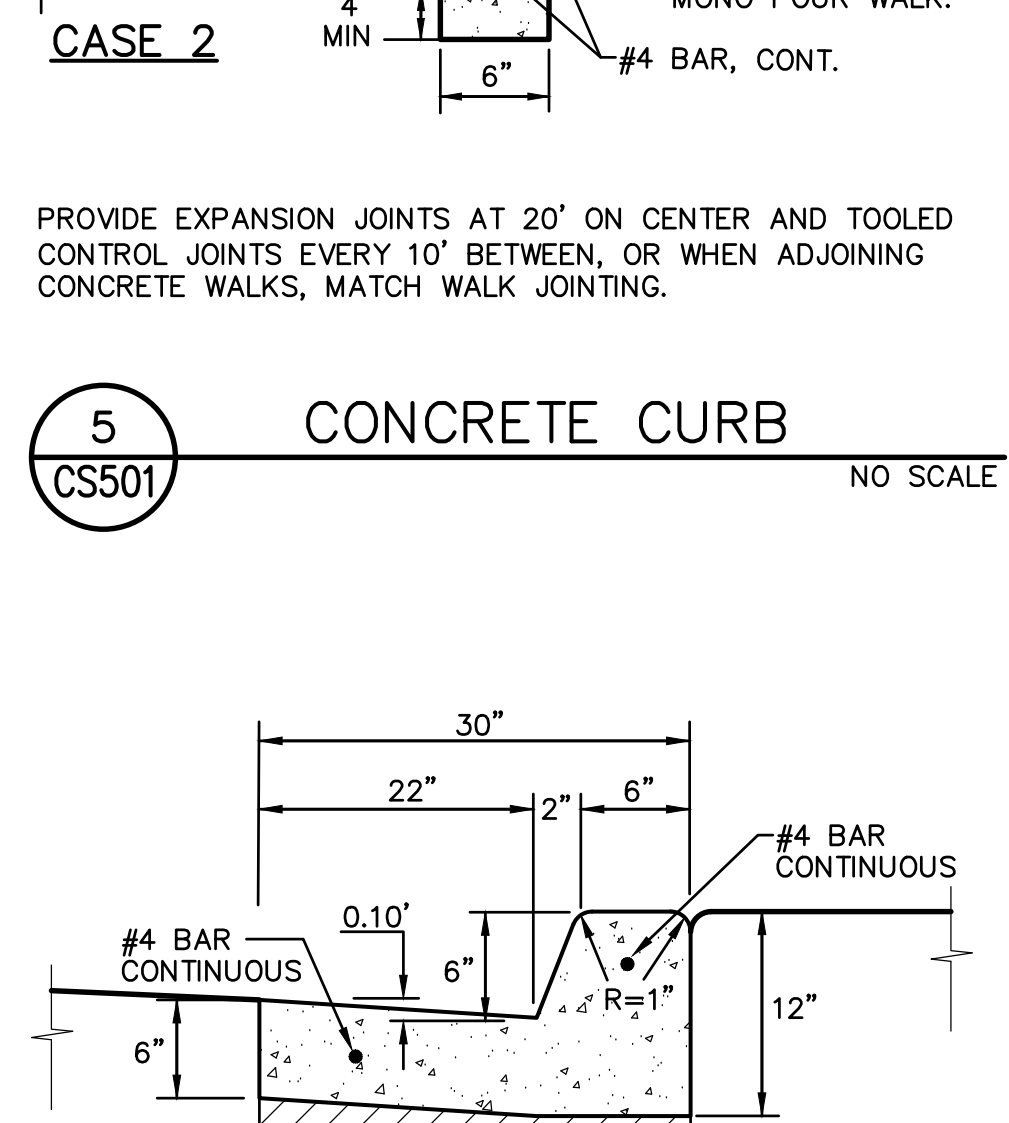


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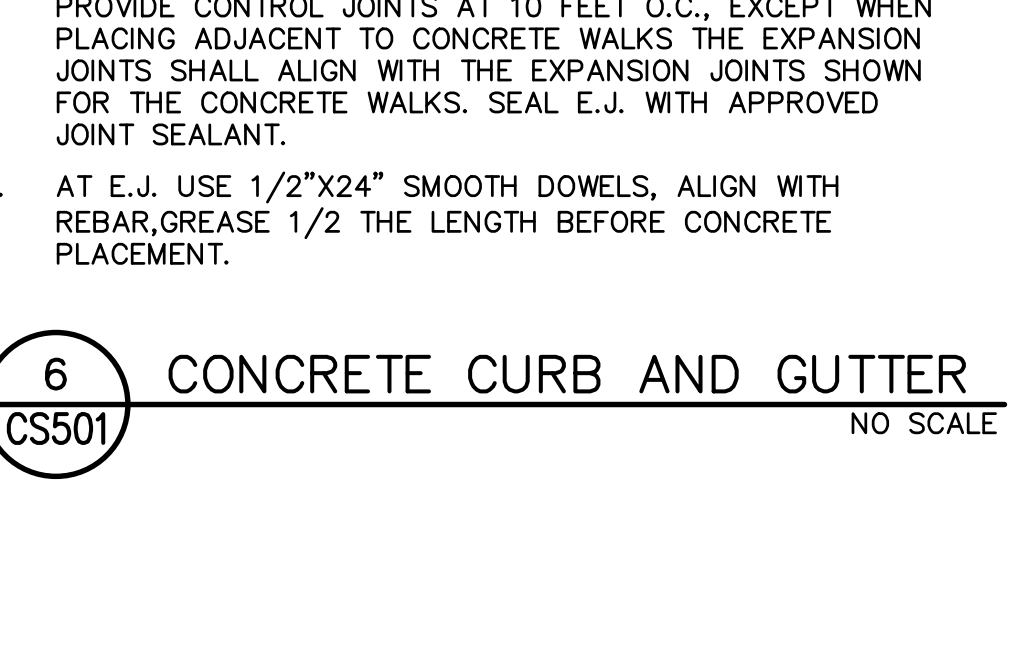
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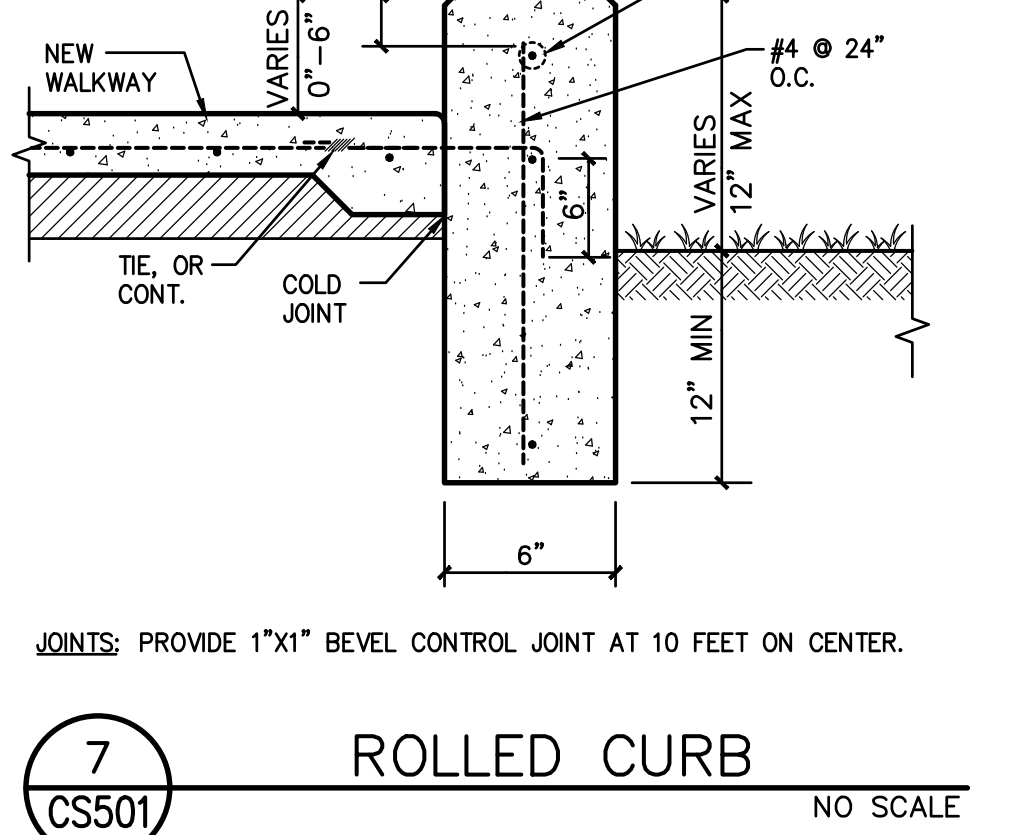
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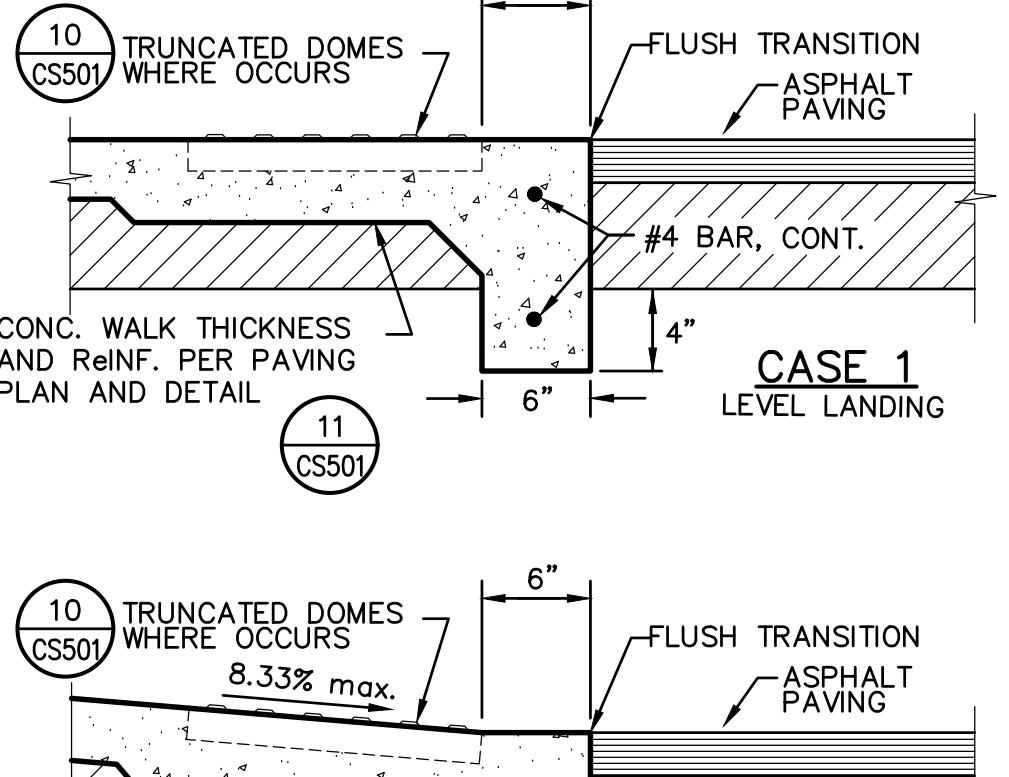
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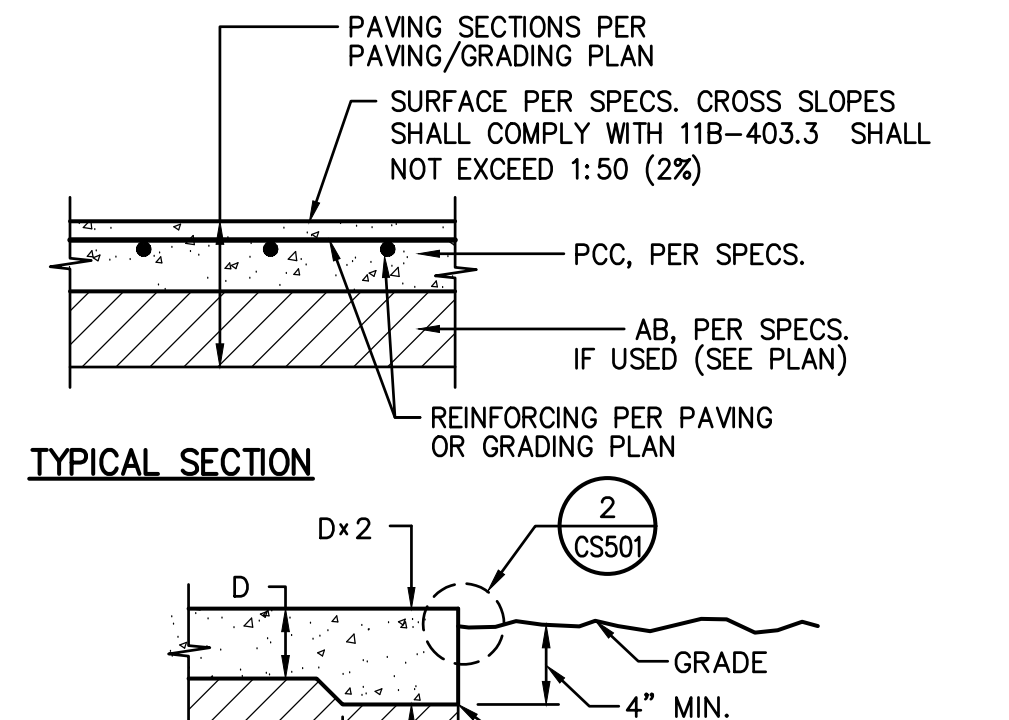


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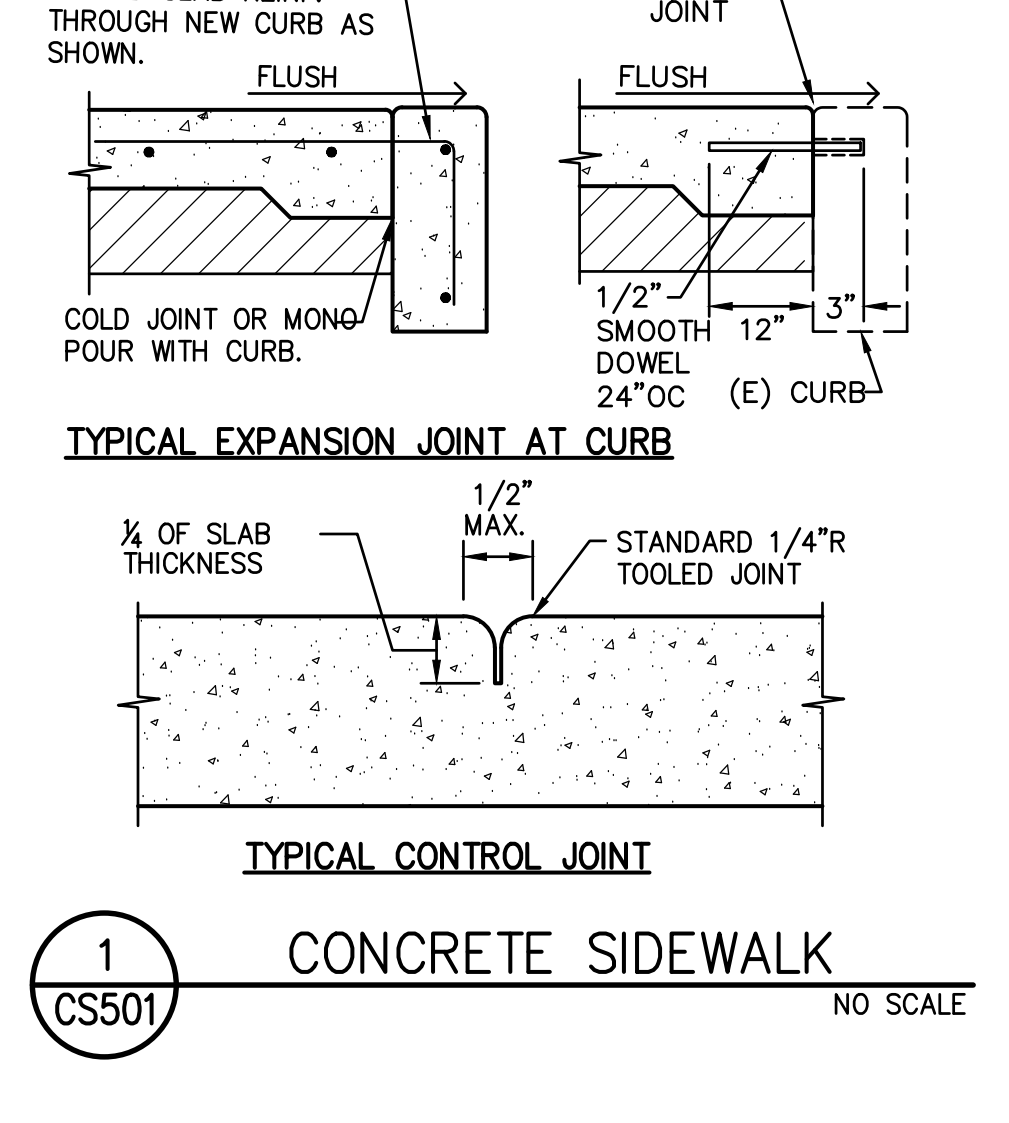


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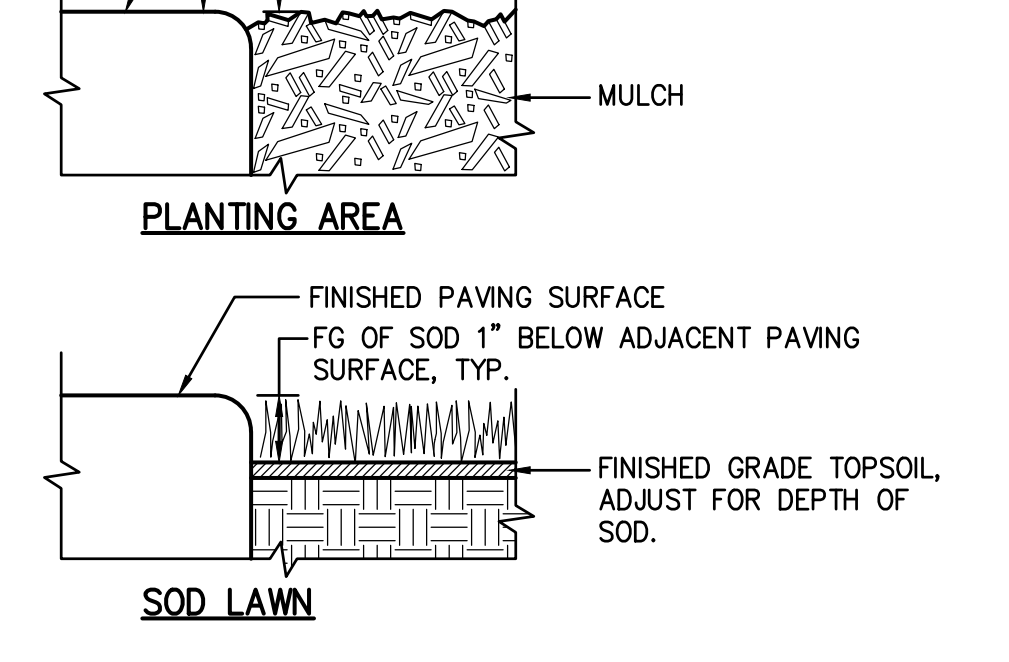
CONCRETE VALLEY GUTTER NO SCALE



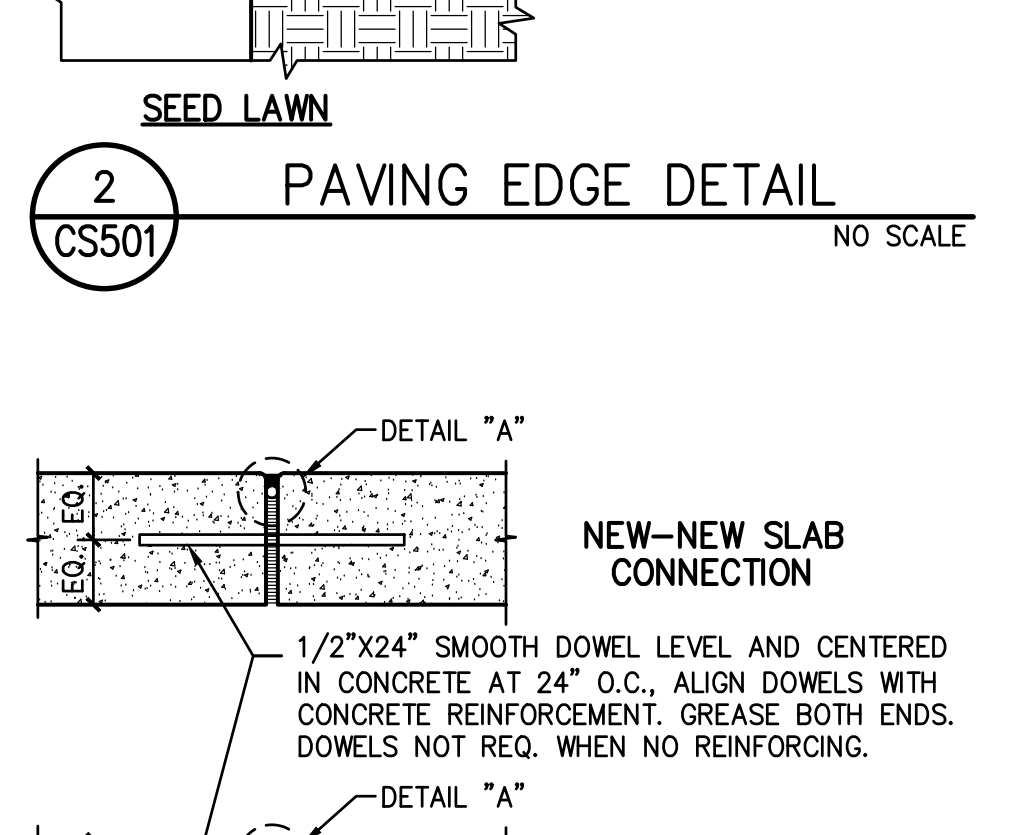
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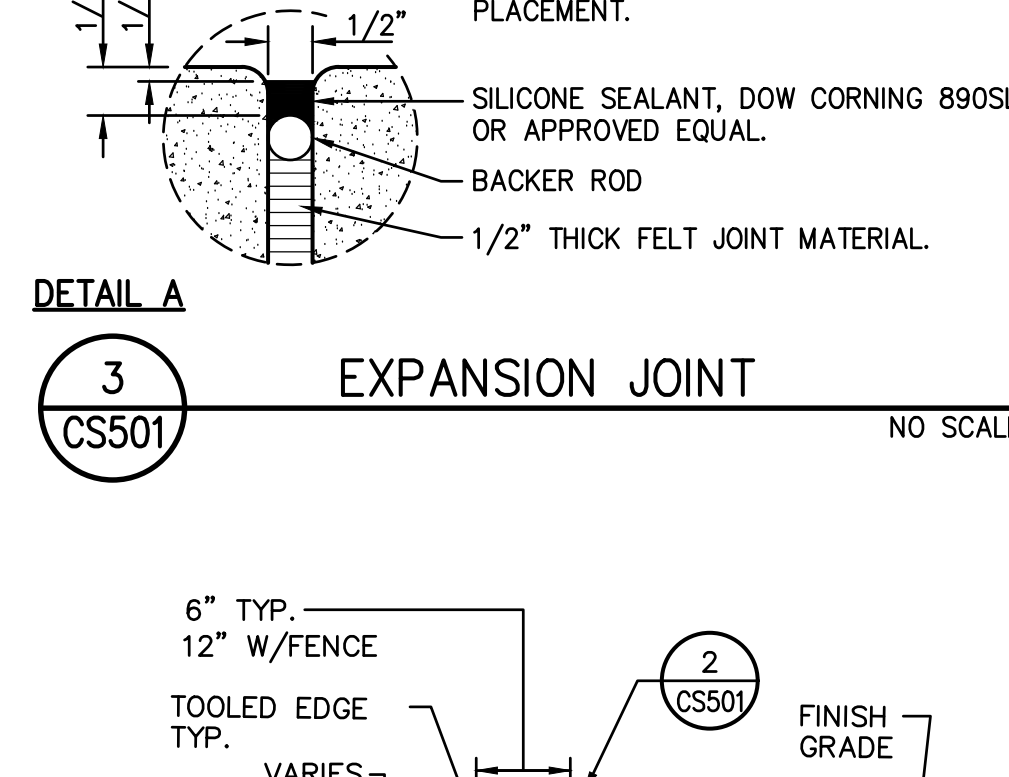
1 CS501



2 CS501



3 CS501



3 CS501

EXPANSION JOINT NO SCALE

- NOTES:
- WHERE NO FENCING, PROVIDE CONTROL JOINT EVERY 10 FEET, EXPANSION JOINT EVERY 30 FEET, TYP. WHERE FENCING EXISTS, PROVIDE TOOLED JOINT EVERY POST, EXPANSION EVERY 3RD POST.
 - CONCRETE APRON THICKNESS MAY COUNT FOR POST FOOTING TOTAL DEPTH BUT MUST BE PLACED BEFORE FABRIC OR PANEL INSTALLATION.
 - SEE 15/C8.4 FOR (N) FENCING AGAINST (E) FENCING AT PROPERTY LINE

- NOTES:
- PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C. EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
 - AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

- NOTES:
- PROVIDE FELT EXPANSION JOINTS (E.J.) AT 20' ON CENTER AND TOOLED CONTROL JOINTS EVERY 10' BETWEEN, OR WHEN ADJOINING CONCRETE WALKS, MATCH WALK JOINTING.

- NOTES:
- PROVIDE FELT EXPANSION JOINTS (E.J.) AT 20 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS. SEAL E.J. WITH APPROVED JOINT SEALANT.
 - AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

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 - AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

- NOTES:
- PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. SEAL E.J. WITH APPROVED JOINT SEALANT. PROVIDE CONTROL JOINTS AT 10 FEET O.C.
 - AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

- NOTES:
- PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. SEAL E.J. WITH APPROVED JOINT SEALANT. PROVIDE CONTROL JOINTS AT 10 FEET O.C.
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- PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. SEAL E.J. WITH APPROVED JOINT SEALANT. PROVIDE CONTROL JOINTS AT 10 FEET O.C.
 - AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

- NOTES:
- CONCRETE WALK JOINTS SHALL EXTEND OVER AND DOWN THE FACE OF SLAB EDGE.
 - CONCRETE SLAB EDGE THICKNESS MAY COUNT FOR POST FOOTING TOTAL DEPTH BUT MUST BE PLACED BEFORE FABRIC OR PANEL INSTALLATION.

- NOTES:
- CONCRETE WALK JOINTS SHALL EXTEND OVER AND DOWN THE FACE OF SLAB EDGE.
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121593 INC.
REVIEWED FOR
DATE: 12/18/2023

LIONAKIS
2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL CORONADO HILLS, CA 91706 (916) 985-1870

PROJECT
LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION
3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

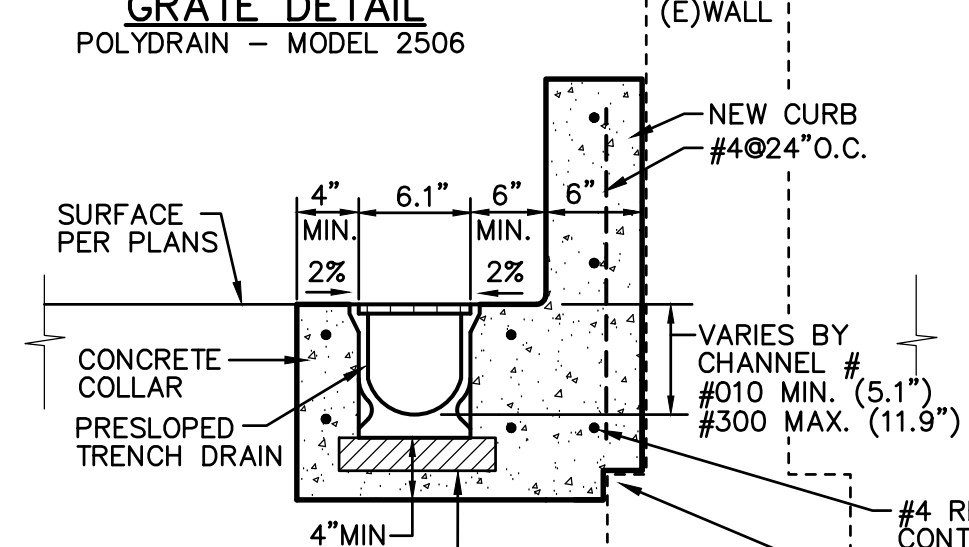
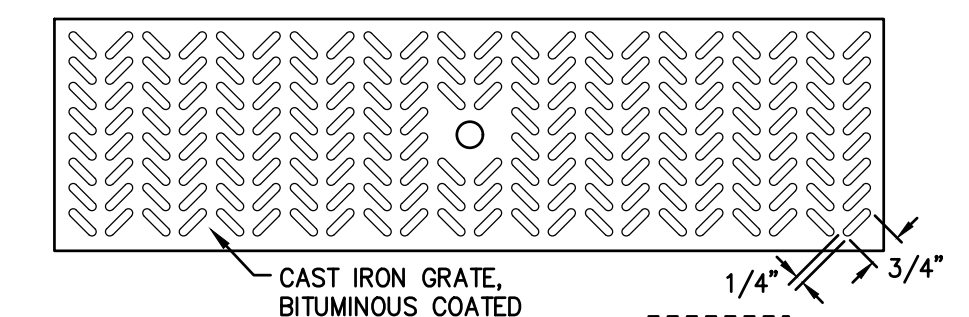
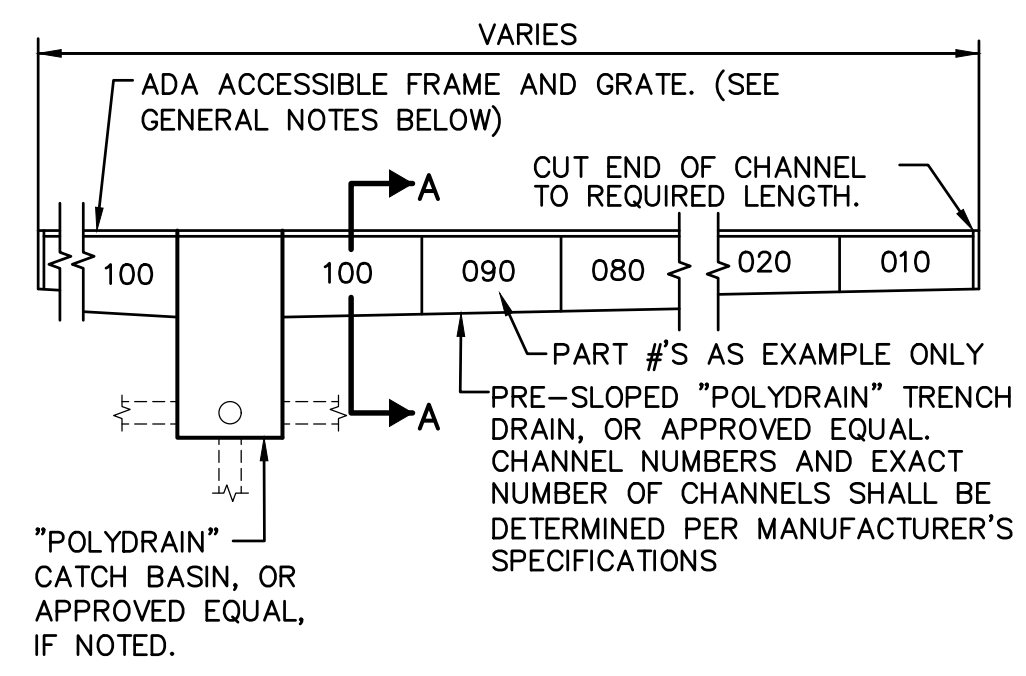
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-	12/01/2023	DSA APPROVAL

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DSA APPLICATION NO.	02-121593	
CLIENT PROJECT NO.	####	
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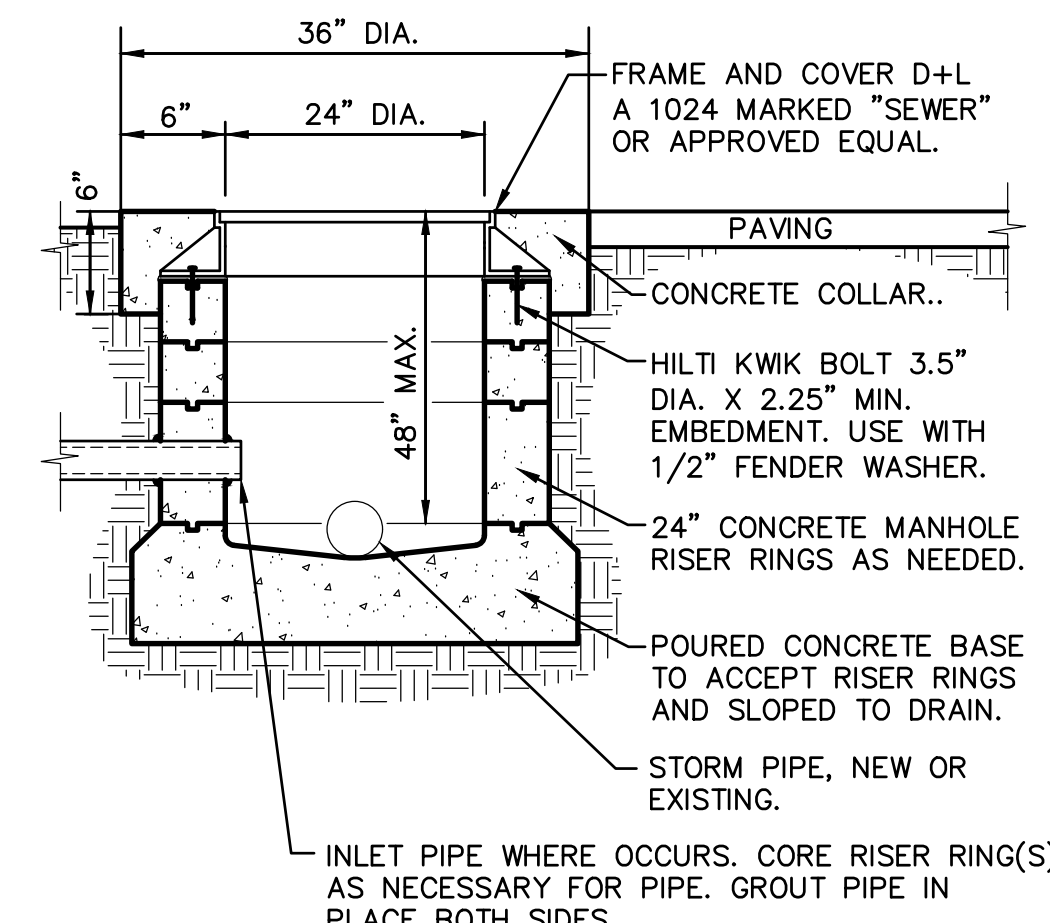
TITLE
SITE DETAILS

SHEET
CS501

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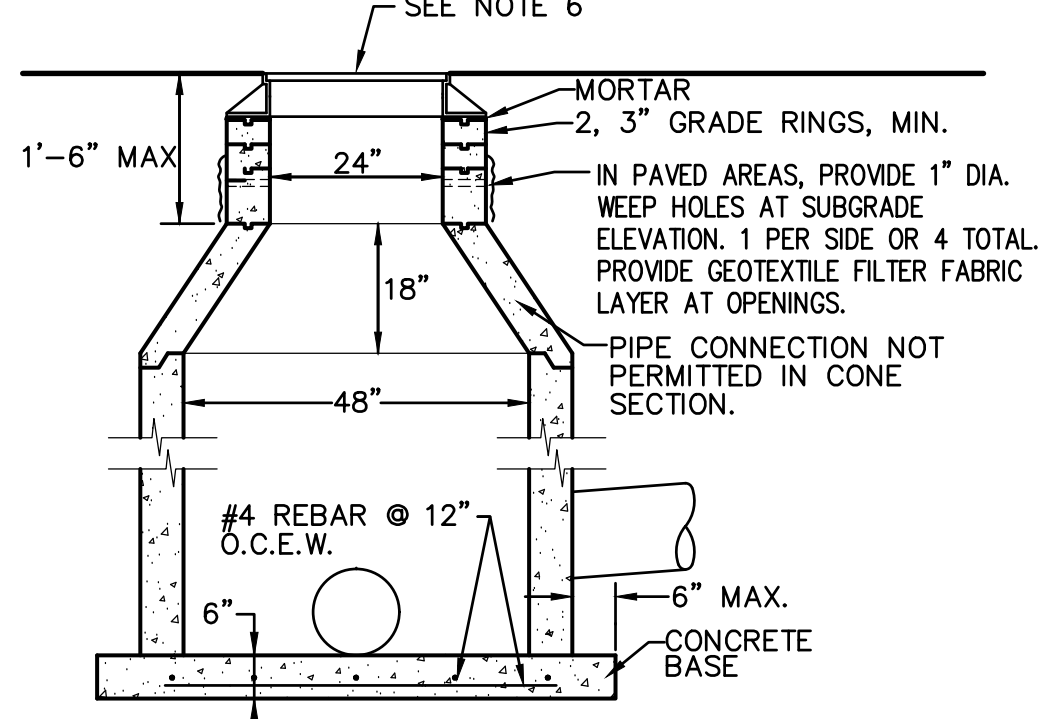
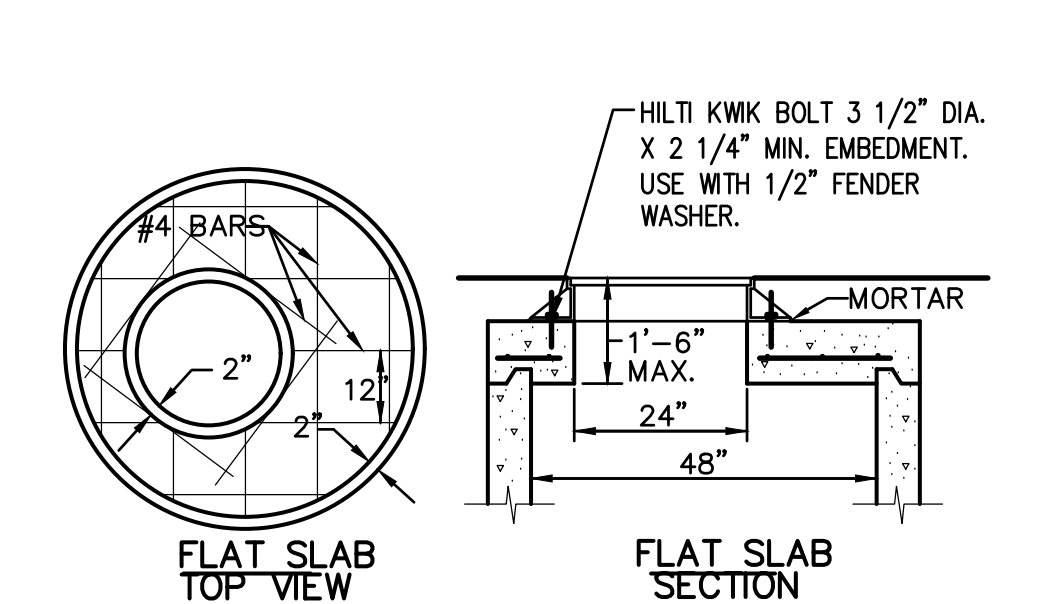
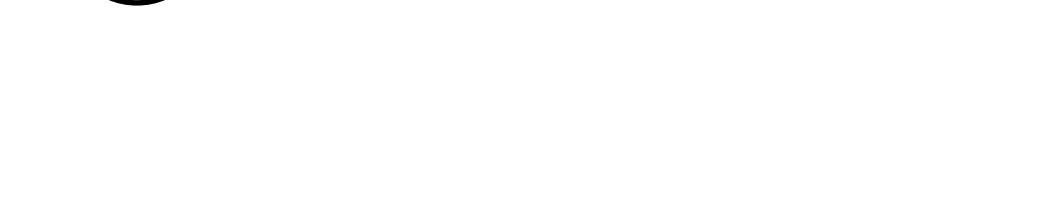
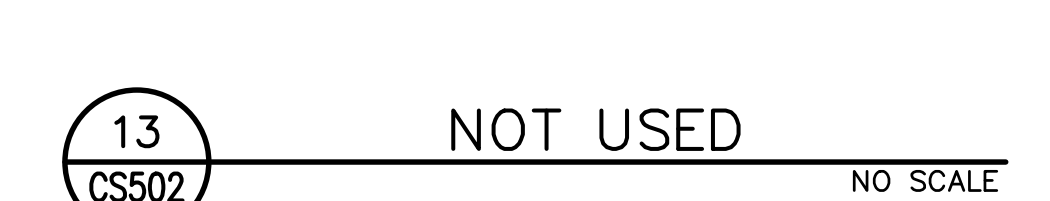
- GENERAL NOTES:**
- GRATE SHALL BE CAST IRON, TRAFFIC RATED (WHERE SPECIFIED), HEELPROOF, MULTI-DIRECTIONALLY ADA ACCESSIBLE GRATE WITH MANUFACTURER'S OR PRE-INSTALLATION APPLIED RUST INHIBITIVE BLACK COATING. NON-TRAFFIC MAINTENANCE AREAS MAY BE GALVANIZED STEEL, SEE BELOW.
POLYDRAIN - MODEL 2506 ALL PEDESTRIAN AREAS
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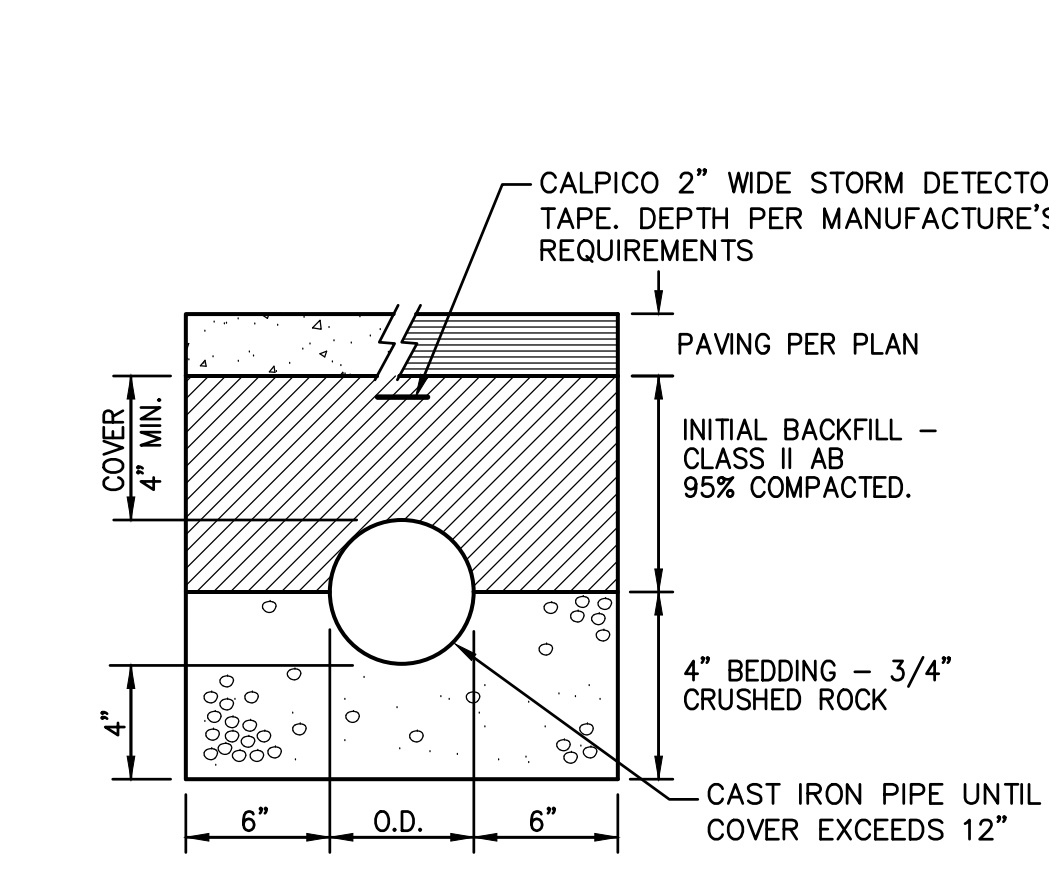
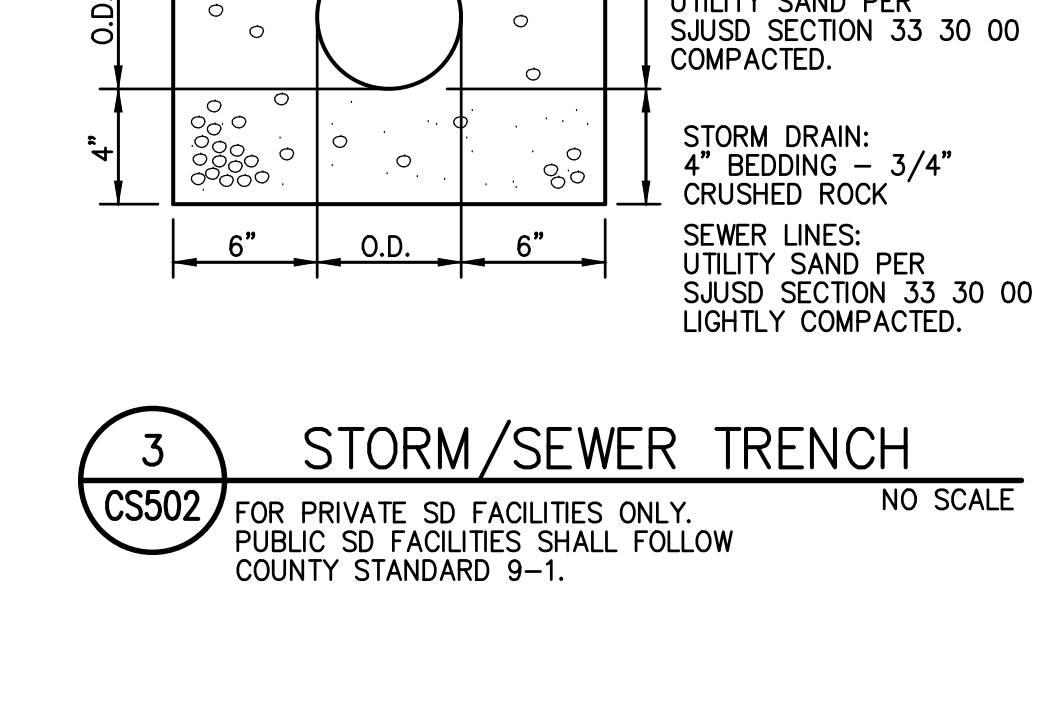
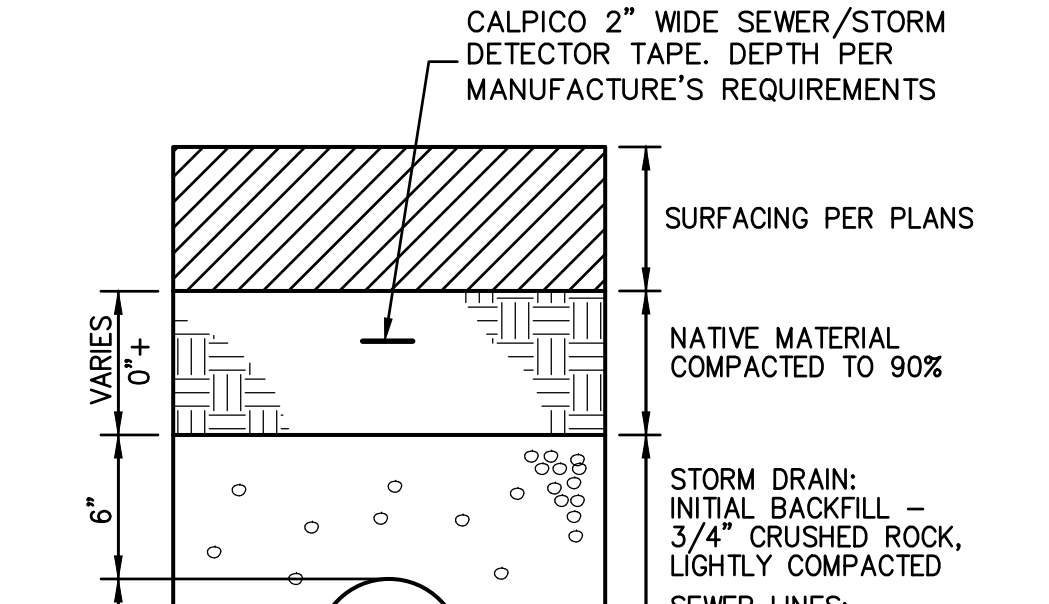
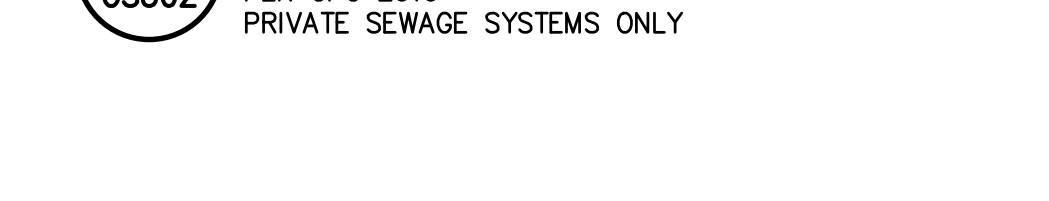
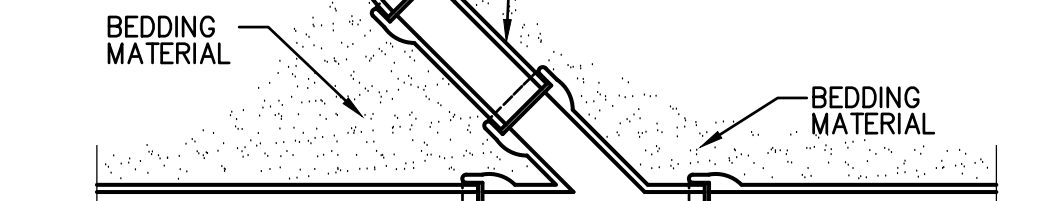
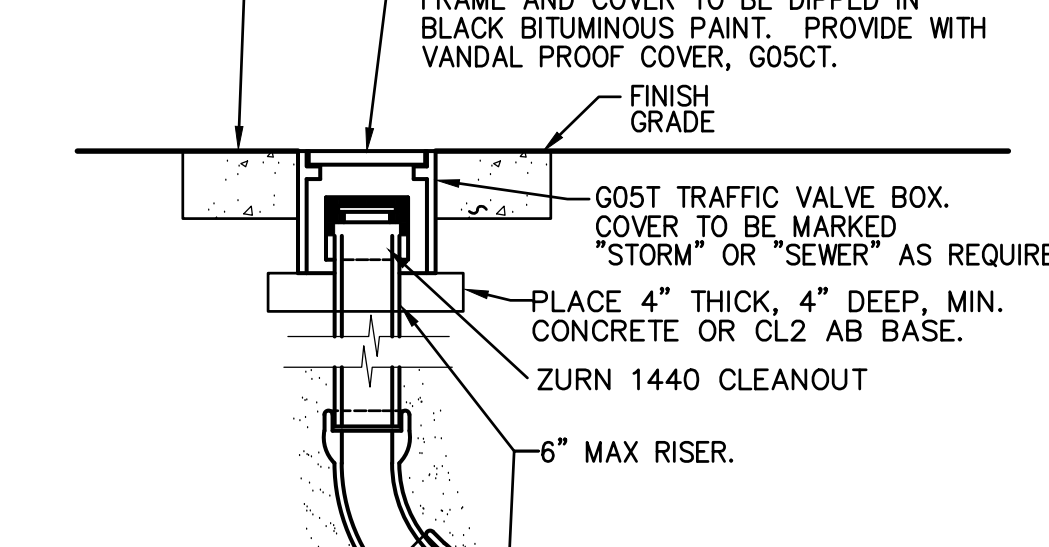
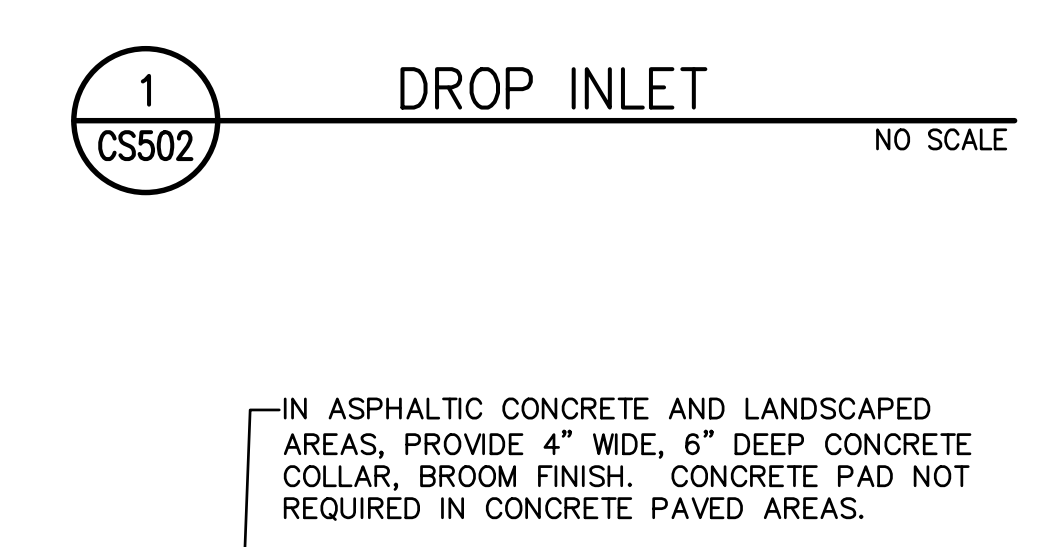
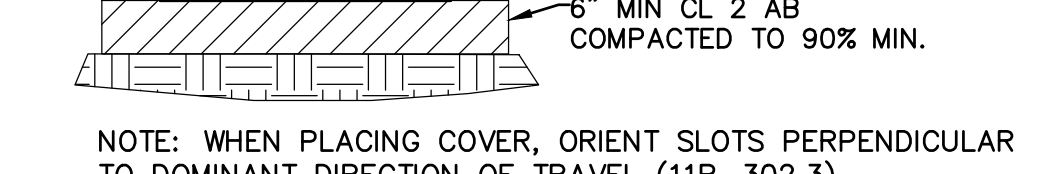
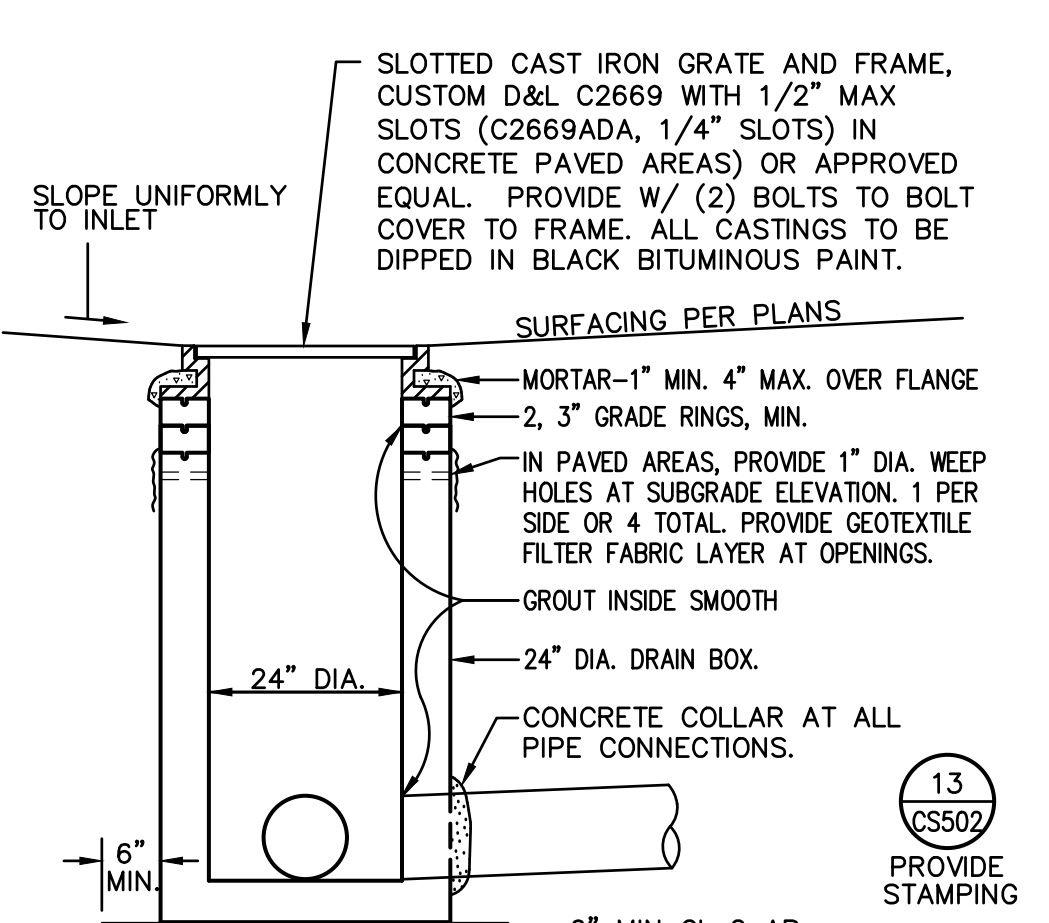
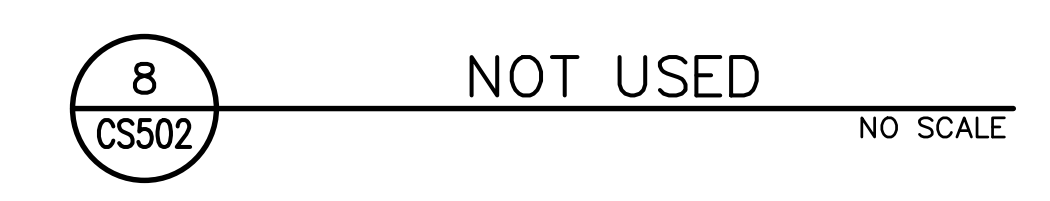
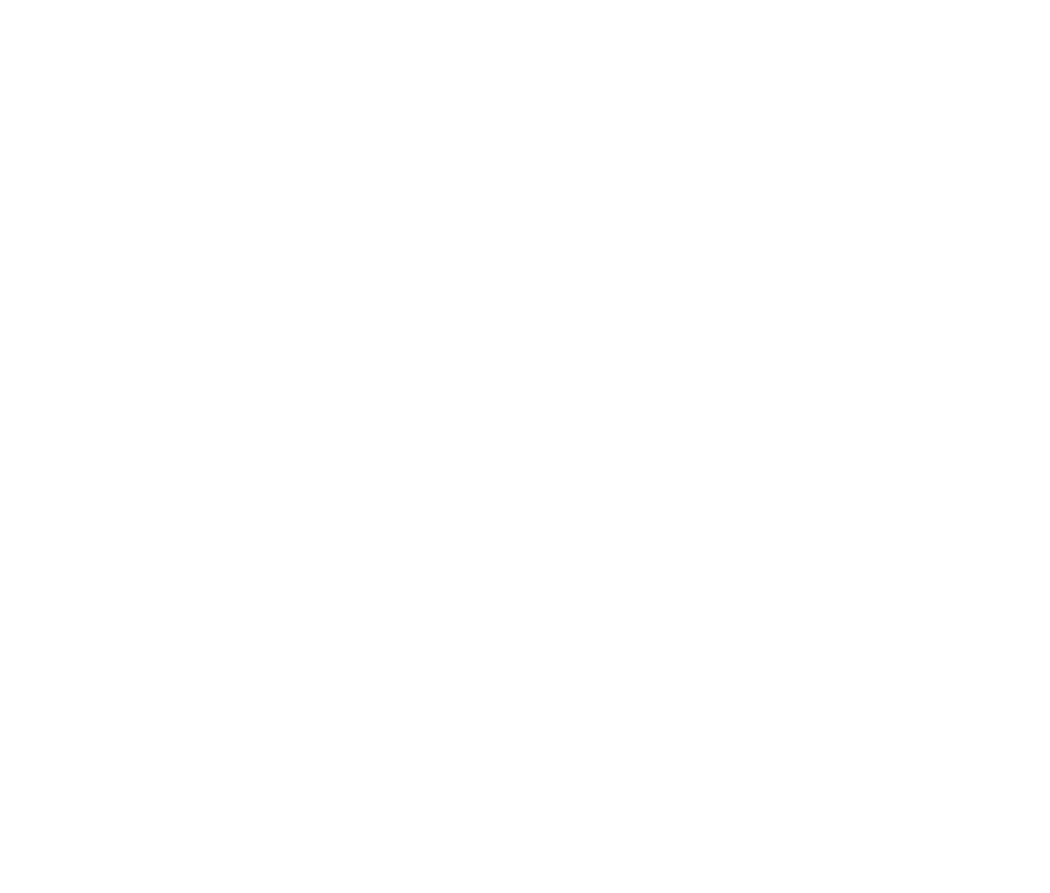
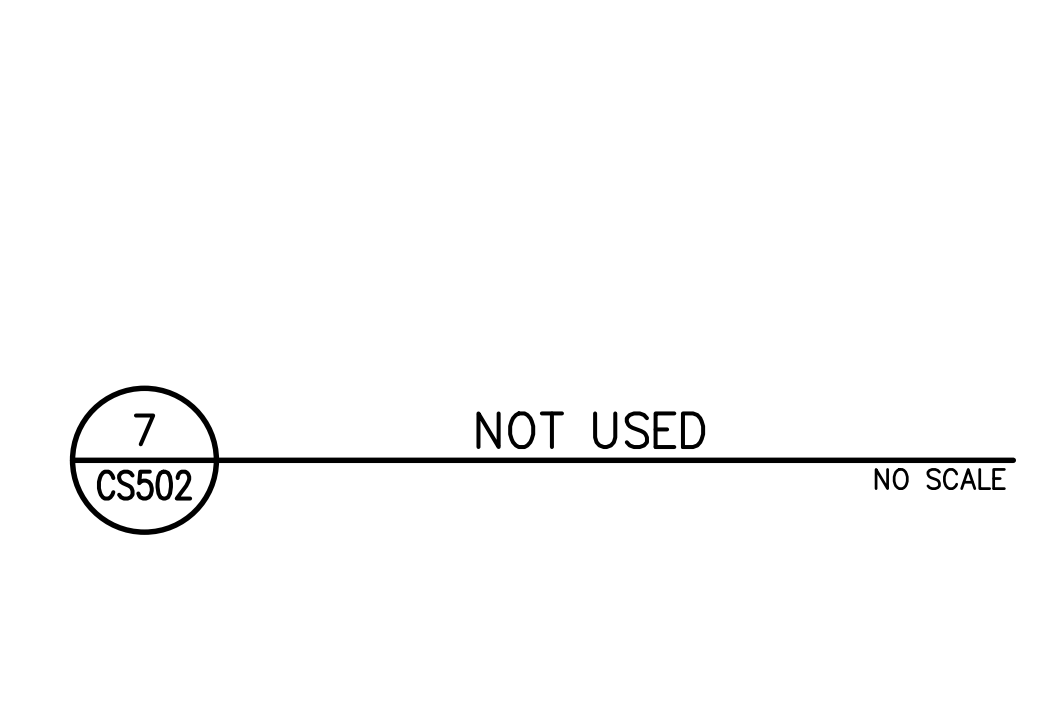
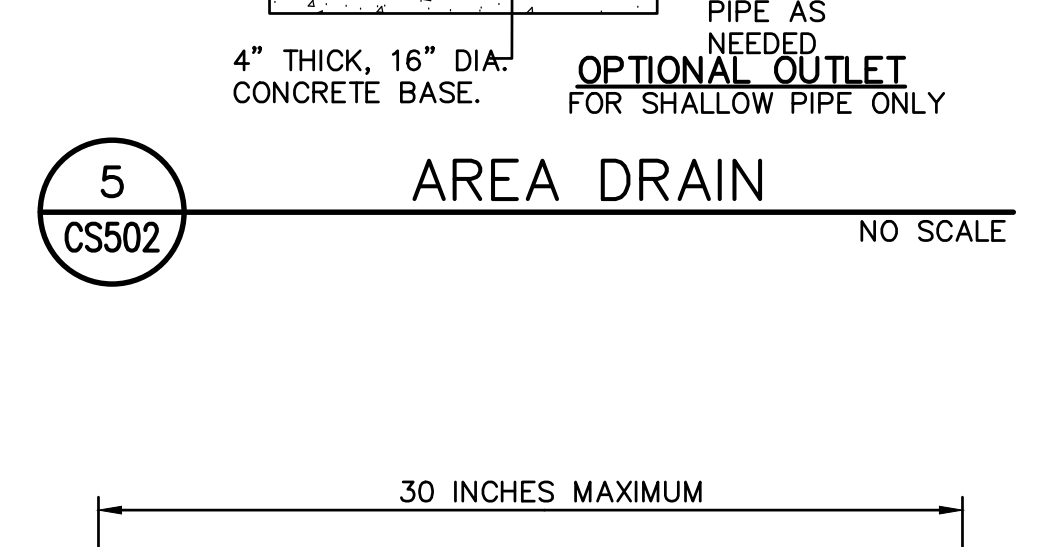
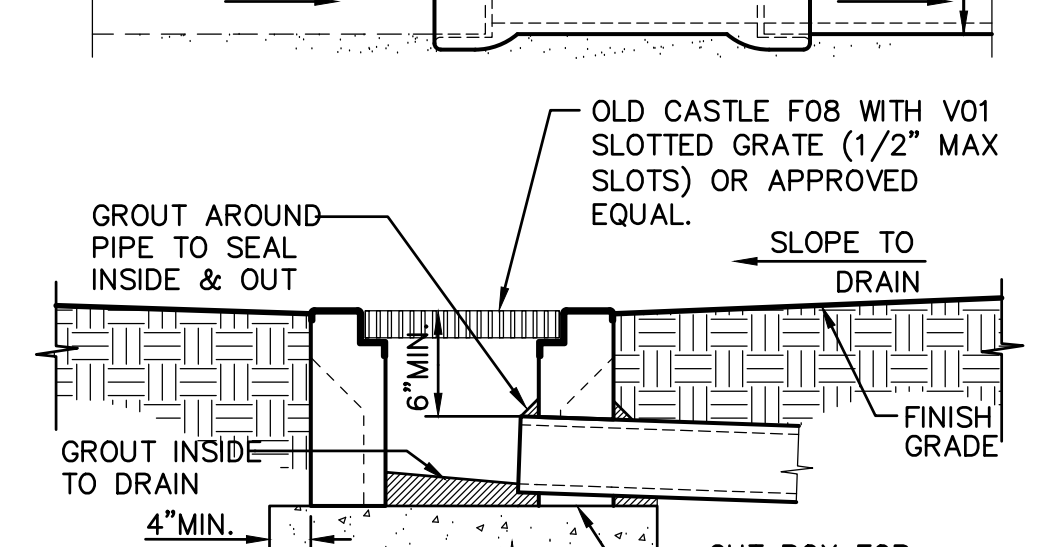
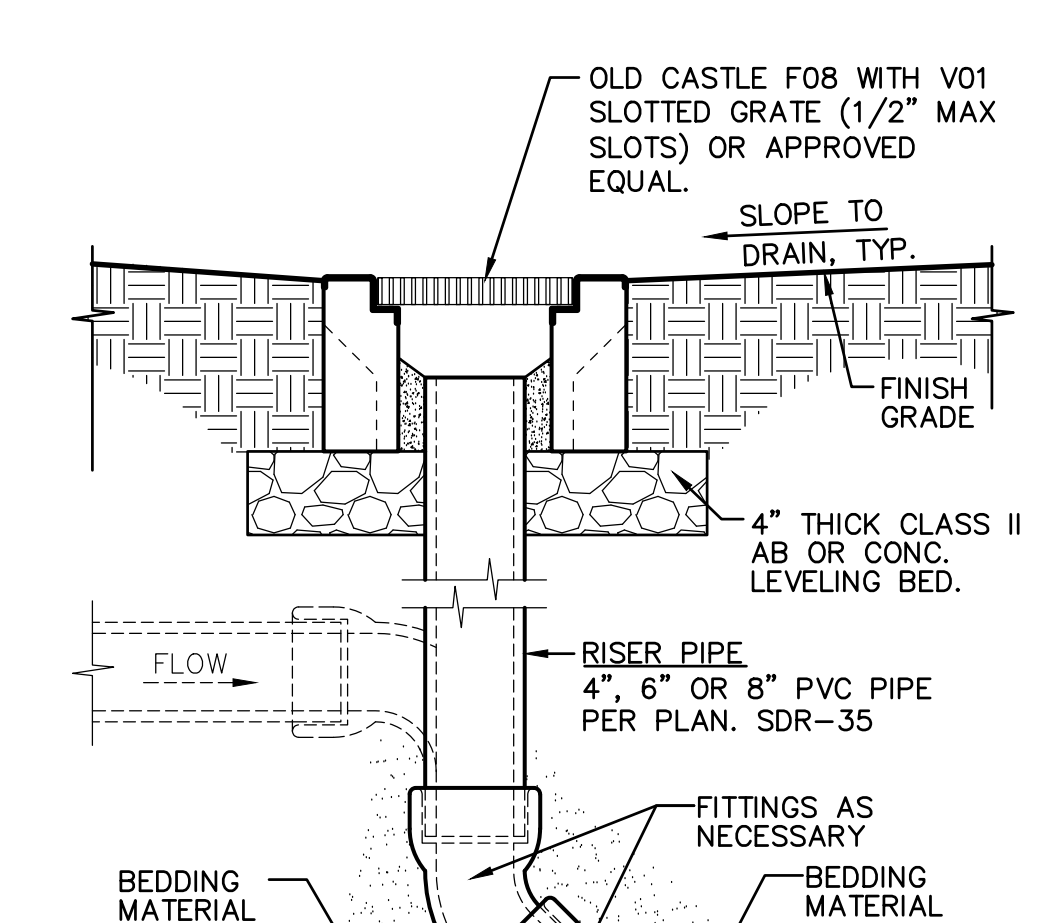
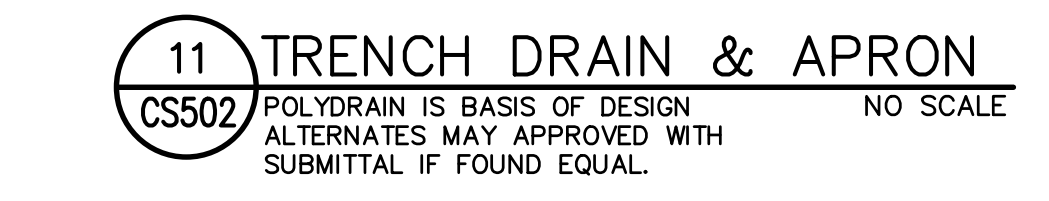
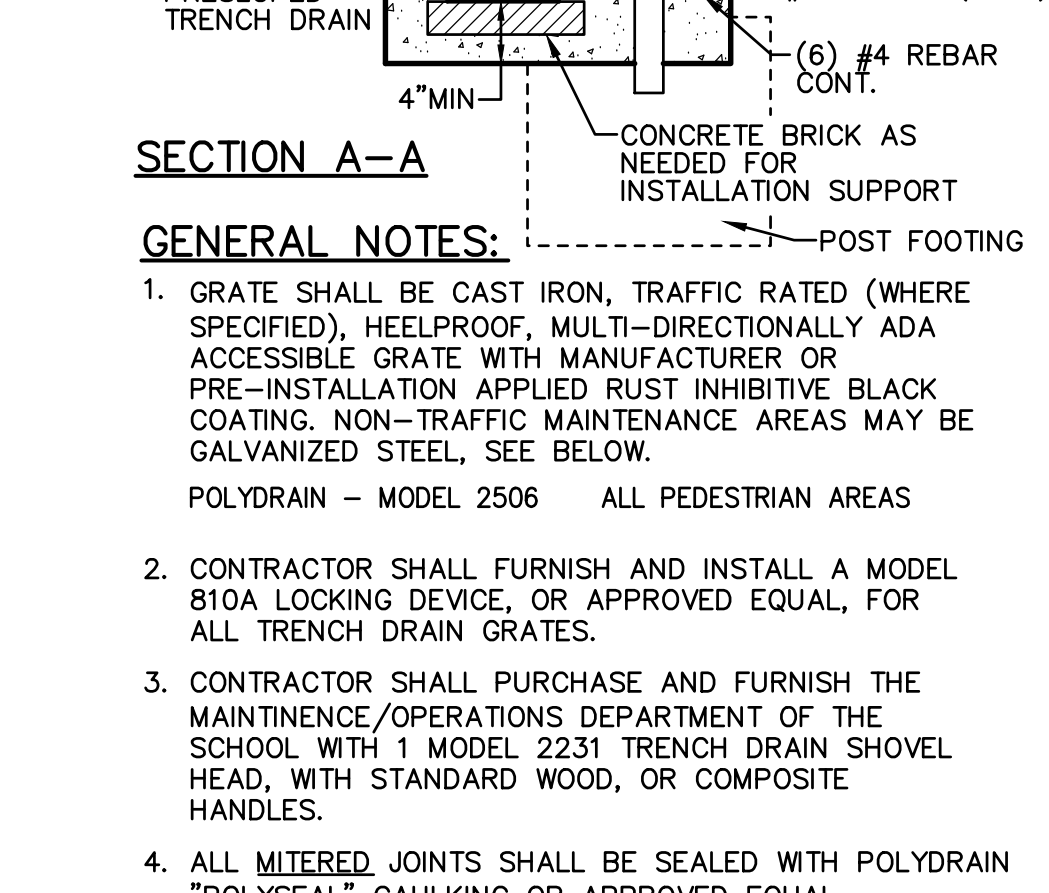
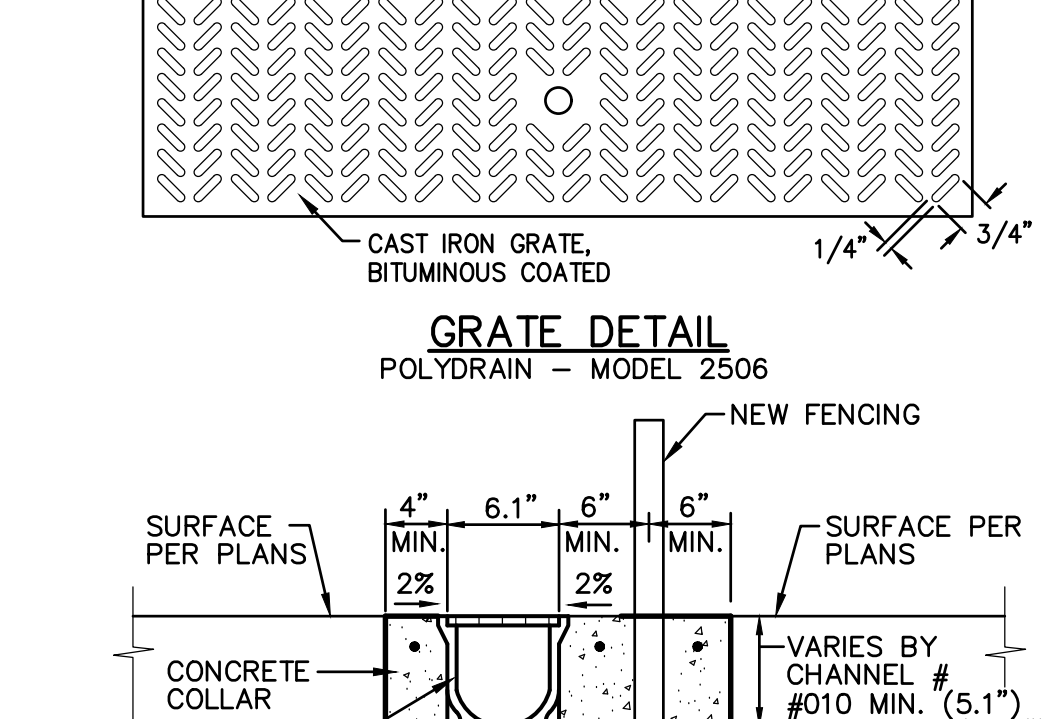
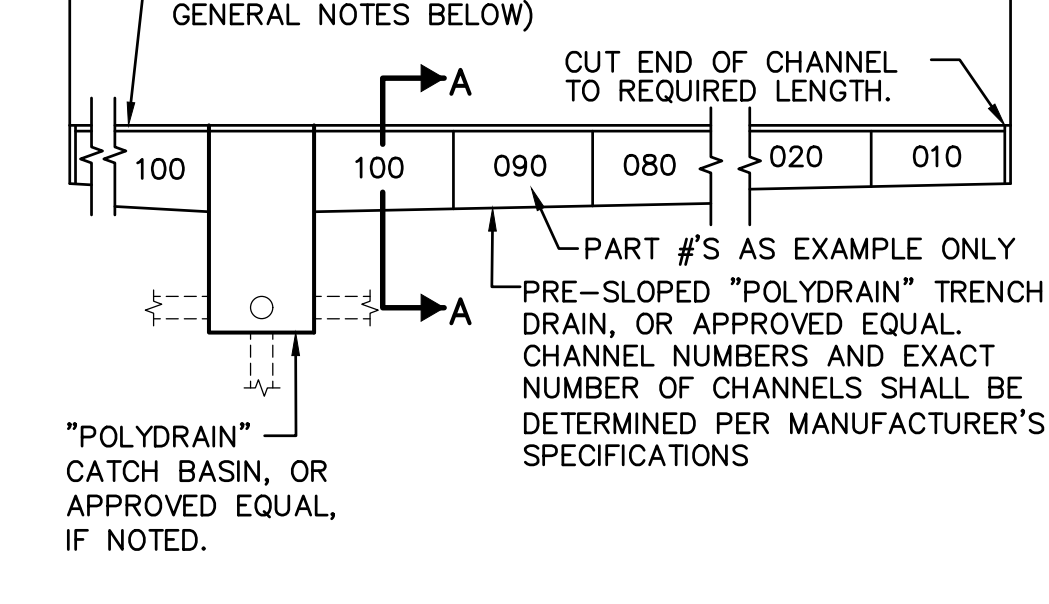
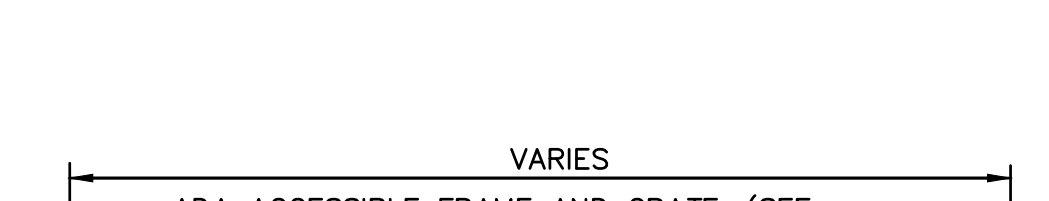
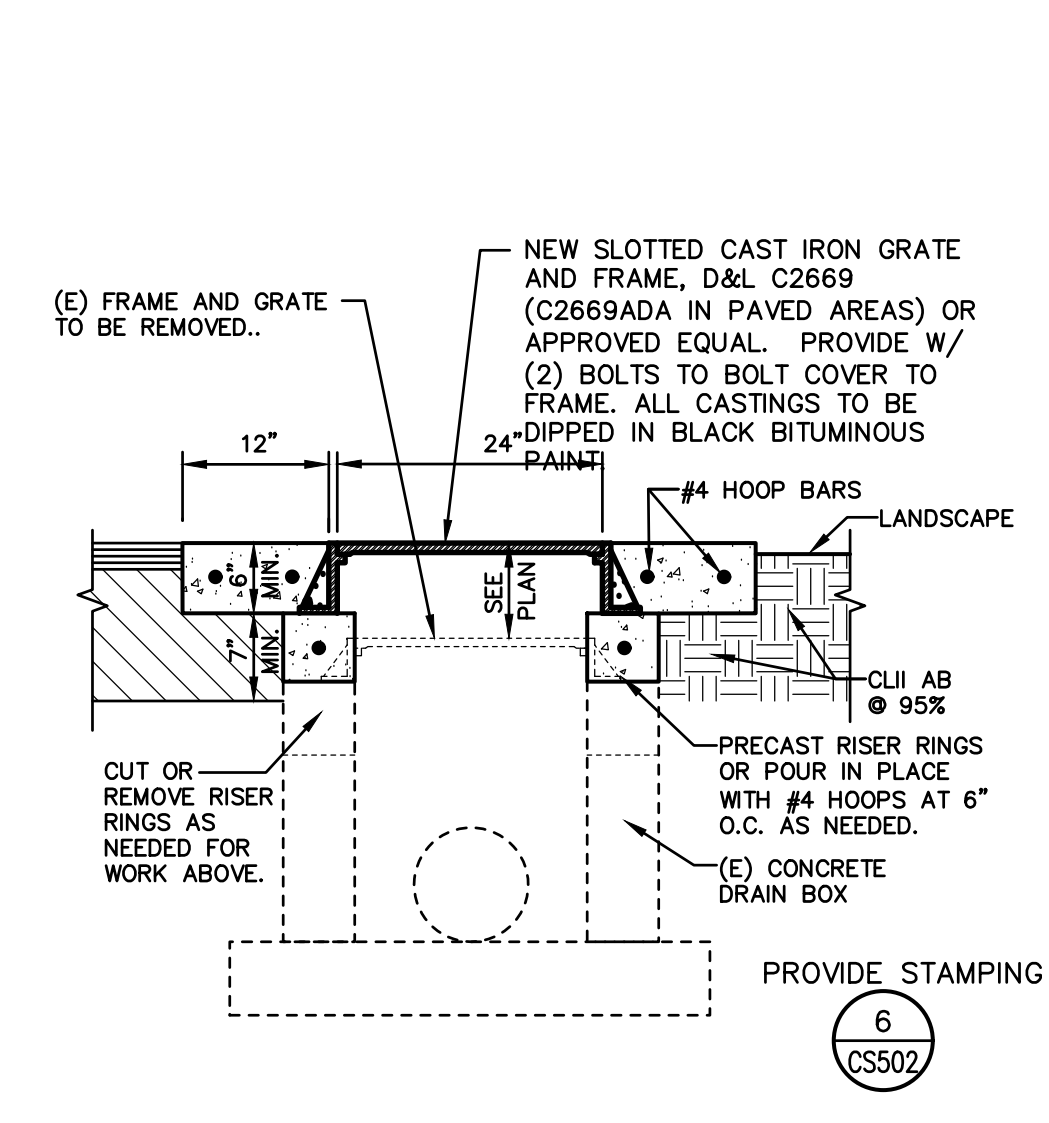
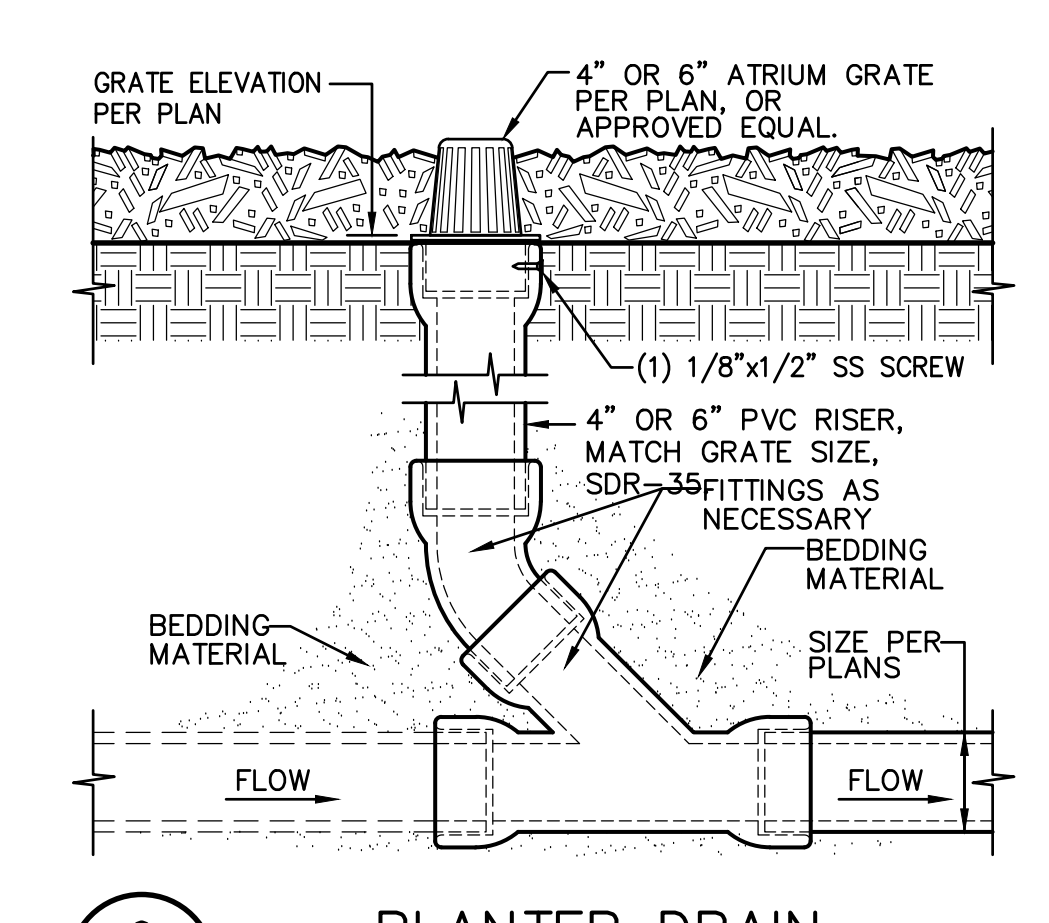
- NOTES:**
- RISER SECTIONS, CONES, AND ADJUSTING RING SHALL CONFORM TO ASTM DESIGNATION C-478.
 - FRAME SHALL BE SECURED TO RISER OR FLAT SLAB TOP WITH CEMENT MORTAR.
 - CONCRETE BASE MAY BE CAST-IN-PLACE AND POURED AGAINST UNDISTURBED MATERIAL, 3000. PSI MIN.
 - CONCRETE BASE MAY BE PRE-CAST CONCRETE SET ON 4\"/>



- GENERAL NOTES:**
- GRATE SHALL BE CAST IRON, TRAFFIC RATED (WHERE SPECIFIED), HEELPROOF, MULTI-DIRECTIONALLY ADA ACCESSIBLE GRATE WITH MANUFACTURER'S OR PRE-INSTALLATION APPLIED RUST INHIBITIVE BLACK COATING. NON-TRAFFIC MAINTENANCE AREAS MAY BE GALVANIZED STEEL, SEE BELOW.
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- NOTES:**
- RISER SECTIONS, CONES, AND ADJUSTING RING SHALL CONFORM TO ASTM DESIGNATION C-478.
 - FRAME SHALL BE SECURED TO RISER OR FLAT SLAB TOP WITH CEMENT MORTAR.
 - THE CONTRACTOR MAY AT HIS OPTION, CAST THE LOWER PORTION OF MANHOLE IN PLACE. THE CAST-IN-PLACE PORTION SHALL NOT BE PLACED HIGHER THAN 6 INCHES ABOVE THE OUTSIDE TOPS OF THE MAIN INCOMING AND OUTGOING PIPES.
 - ALL JOINTS SHALL BE SEALED WITH GROUT AND INSIDE OF MANHOLE SHALL BE GROUTED SMOOTH.
 - FLAT SLAB SHALL BE USED WHEN DEPTH DOES NOT PERMIT USE OF TAPER UNIT.
 - SLOTTED CAST IRON GRATE AND FRAME SHALL BE D&L C2669 (C2669ADA IN PAVED AREAS) OR APPROVED EQUAL. PROVIDE WITH TWO (2) BOLTS TO BOLT COVER/GRATE TO FRAME. SOLID COVERS TO BE MARKED "STORM DRAIN". ALL CASTINGS TO BE DIPPED IN BLACK BITUMINOUS PAINT.



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-121593 INC.
 REVIEWED FOR:
 DATE: 12/18/2023

LIONAKIS

2025 Nineteenth Street
 Sacramento, CA 95818
 P 916.558.1900
 www.lionakis.com

CONSULTANT

WC REGISTERED PROFESSIONAL ENGINEER
 ANTHONY J. TASSANO
 No. D14586
 State of California
 1020023

WARREN CONSULTING ENGINEERS, INC.
 1117 WINDFIELD WAY, SUITE 110
 EL CORRALO HILLS, CA 95702 (916) 985-1870

PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
-	12/01/2023	DSA APPROVAL

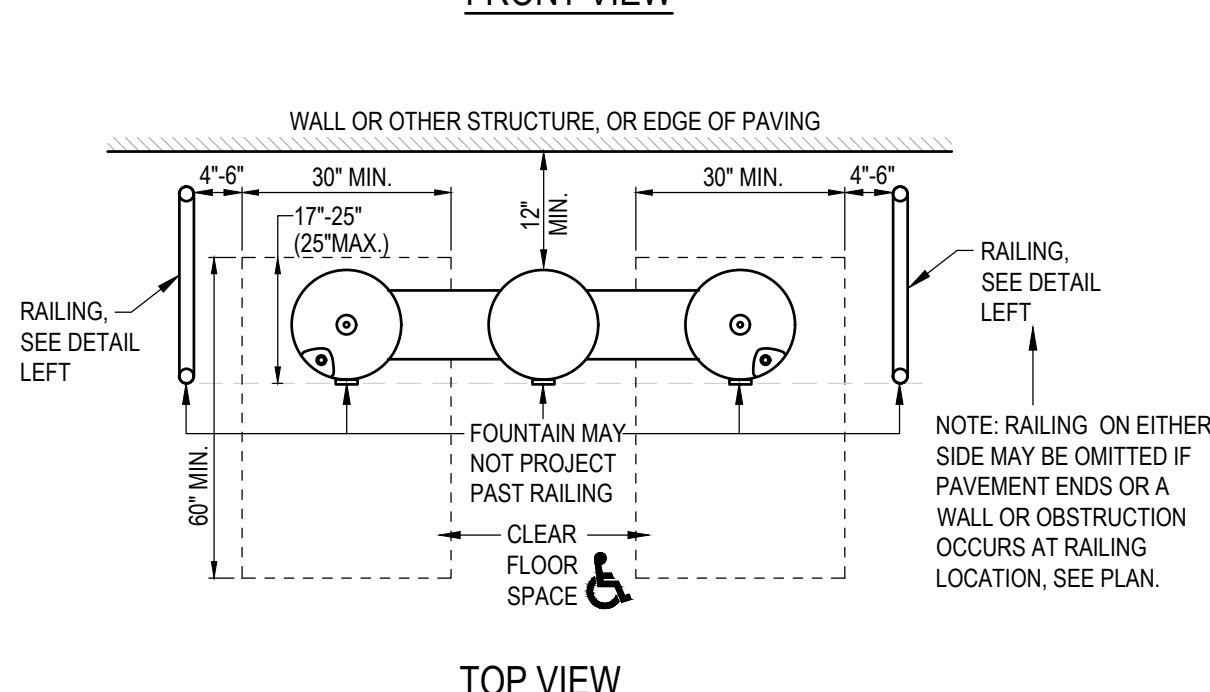
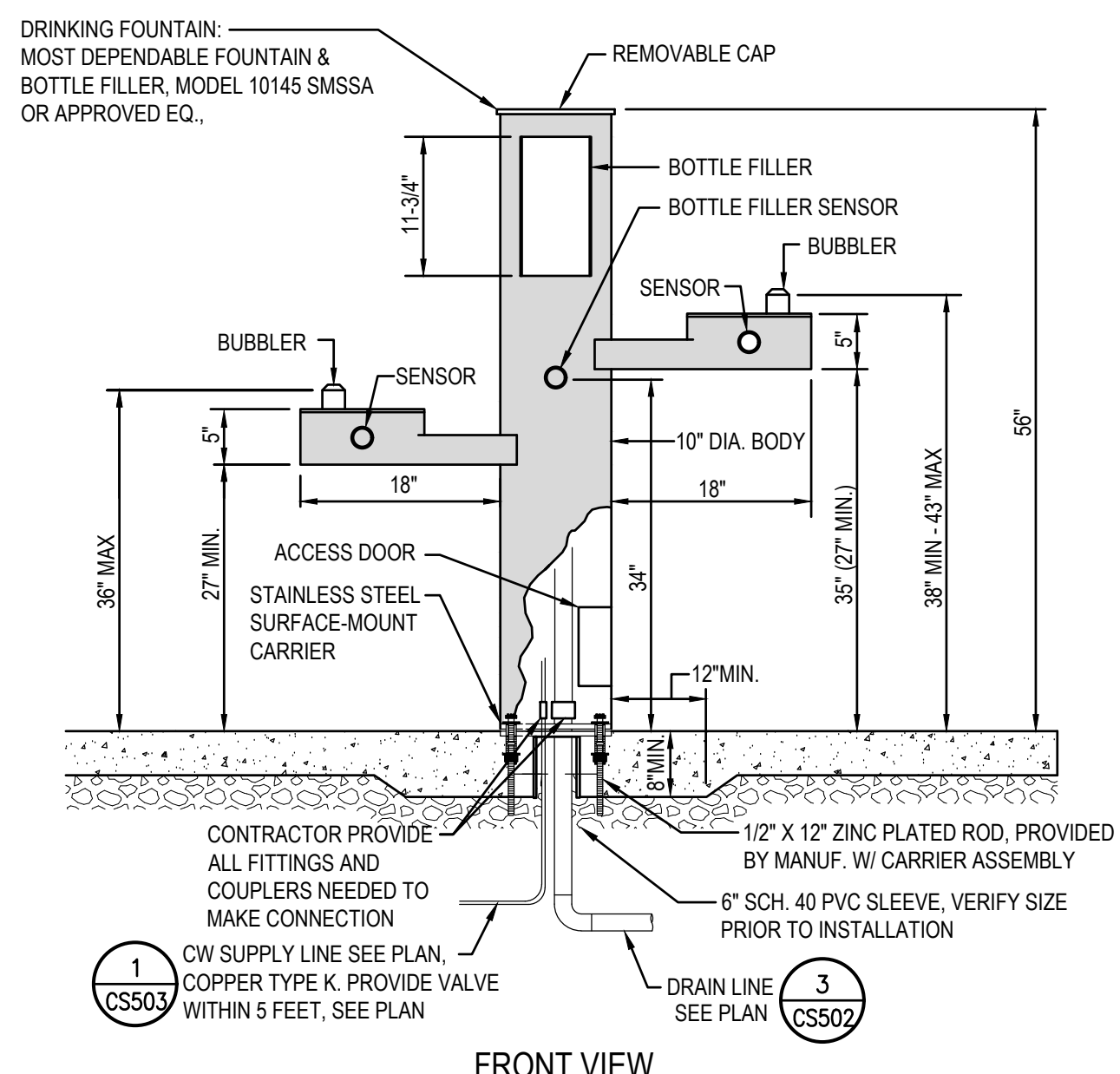
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LIONAKIS PROJECT NO.	023041
DSA APPLICATION NO.	02-121593
CLIENT PROJECT NO.	#####
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TITLE
SITE DETAILS

SHEET
CS502

IF THIS SHEET IS NOT 36"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

PLOT DATE: 11/27/2023 11:33:23 AM FILE: I:\23-106\CIVIL\DWG\23-106-114-CS501-CS504.DWG



- OPTIONAL ACCESSORIES TO PROVIDE:
- SIDE JUG FILLER (NOT SAME AS BOTTLE FILLER) YES NO
 - FOOTWASH YES NO
 - WATER FILTER YES NO
 - PLAQUE YES NO
 - PET FOUNTAIN YES NO
 - RECESSED LOCKING HOSE BIB YES NO
 - BOWL SAND STRAINER YES NO
 - SEASONAL COVER YES NO
 - SIDE HOSE BIB YES NO
 - CUT OFF VALVE YES NO
 - FREEZE VALVE YES NO
 - SAFE STREAM BUBBLE HEAD YES NO
 - TEMPLATE 10 NS CARRIER YES NO

4
CS503 HI-LO WITH BOTTLE FILLER NO SCALE

DRINKING FOUNTAIN
NO SCALE

HORIZONTAL THRUST BLOCKS
REQUIRED BEARING AREA, IN SF.

INSTALLATION	FITTING TYPE	PIPE SIZES				
		4"	6"	8"	10"	12"
	90° ELBOW	5	11	19	28	39
	45° ELL	3	6	10	15	21
	22.5° ELL	1.5	3	5.1	7.6	11
	11.25° ELL	1	1.5	2.5	3.8	5.4
	TEE	5	11	19	28	39
	TEE W/ CAP	5	11	19	28	39
	DEAD END (STUB)	4	8	13	20	28
	REDUCER	SEE BELOW				
	VALVES	SEE VALVE DETAIL(S)				
	HYDRANT	SEE HYDRANT DETAIL(S)				

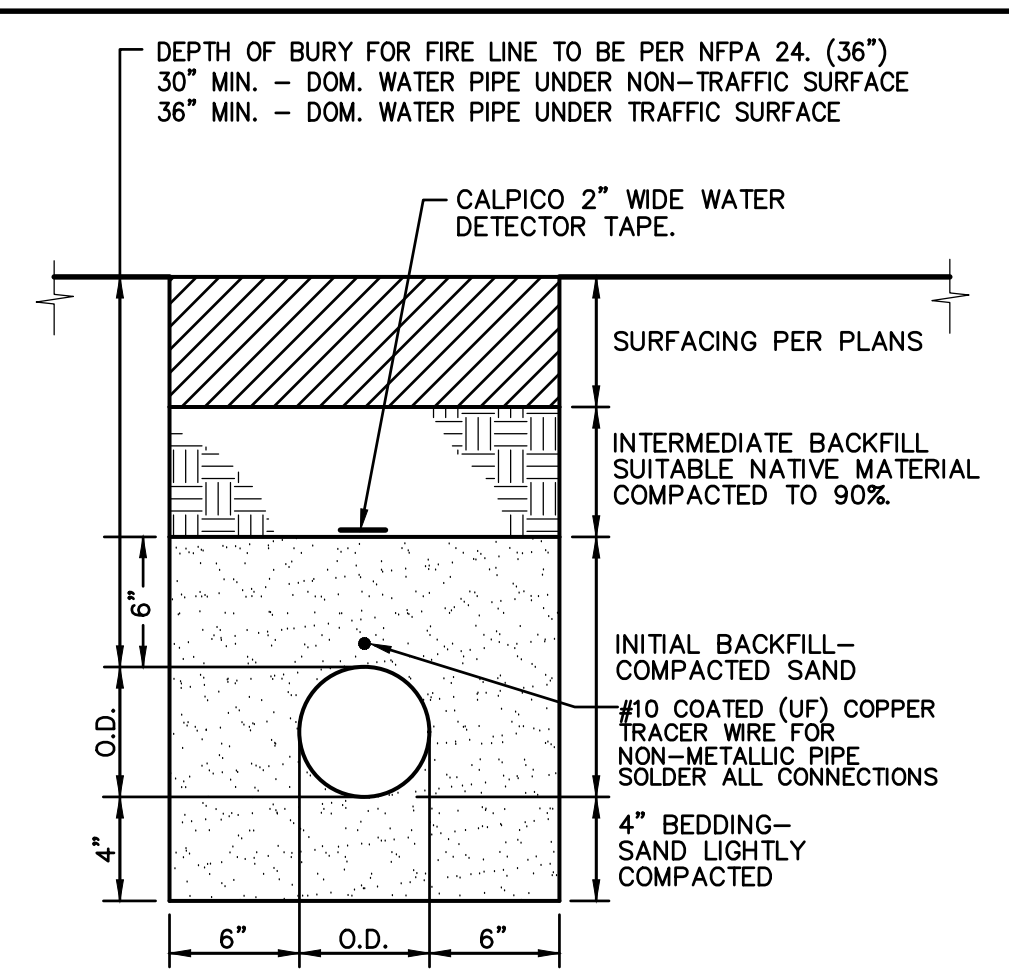
VERTICAL THRUST BLOCKS
REQUIRED CONCRETE VOLUME, IN CY.

INSTALLATION	FITTING TYPE	PIPE SIZES				
		4"	6"	8"	10"	12"
	90° ELBOW	1.0	2.1	3.8	5.2	8.4
	45° ELL	0.7	1.5	2.7	4.2	6.0
	22.5° ELL	0.4	0.8	1.5	2.3	3.3
	11.25° ELL	0.2	0.5	0.8	1.2	1.6
	REDUCER	0.7	1.5	2.7	4.2	6.0

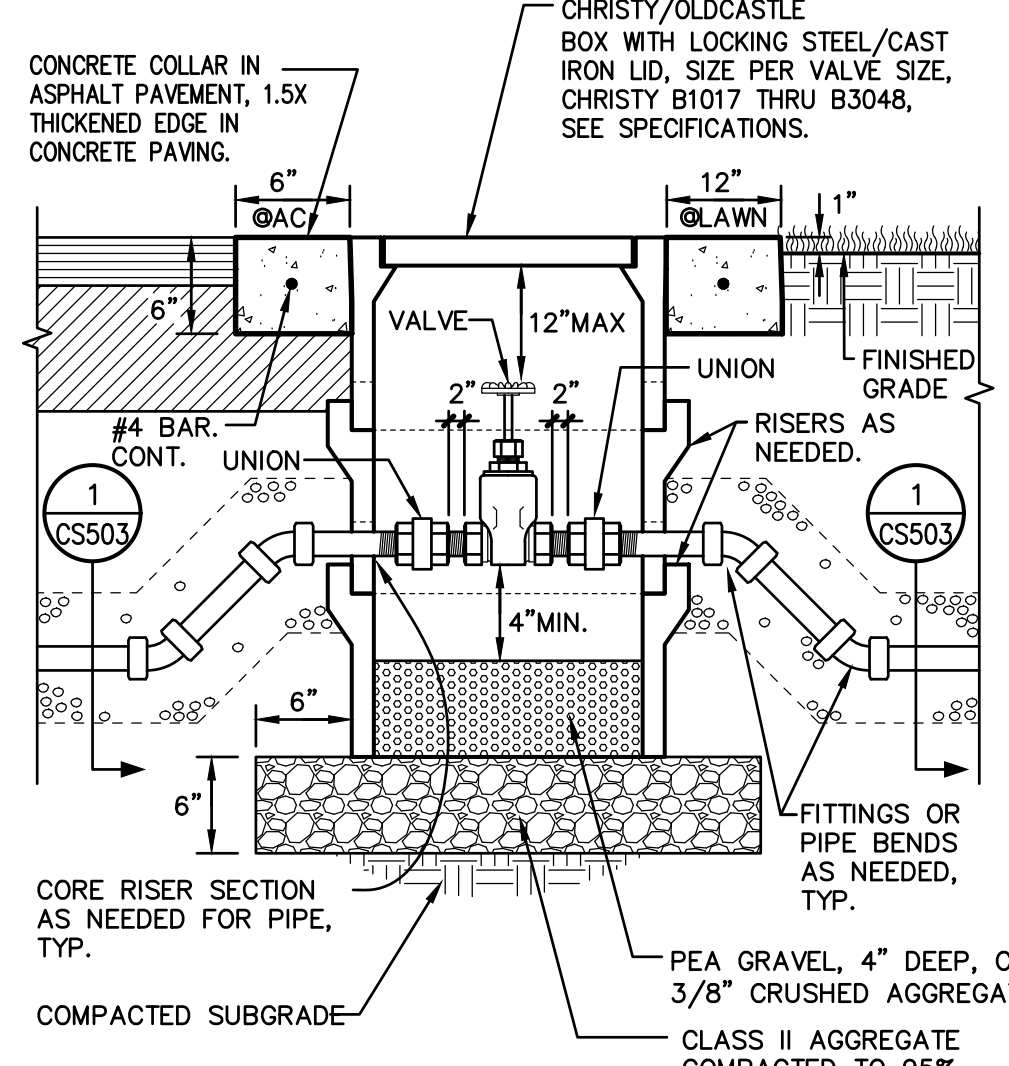
W/ MIN. 2 #5 REBAR TIES, TYP.

- NOTES:
- THRUST BLOCKS ARE TO BE CONSTRUCTED OF 2500 PSI CONCRETE MIN.
 - AREAS IN TABLE HAVE BEEN DERIVED USING A WATER PRESSURE OF 200 POUNDS PER SQUARE INCH (13.8 BARS) AND SOIL RESISTANCE OF 1500 POUNDS PER SQUARE FOOT.
 - BLOCKING TO BE POURED AGAINST UNDISTURBED SOIL.
 - THRUST BLOCKS ARE TO BE FREE, SEPARATE AND INDEPENDENT OF ADJACENT OR NEARBY THRUST BLOCKS.

5
CS503 THRUST BLOCKS NO SCALE

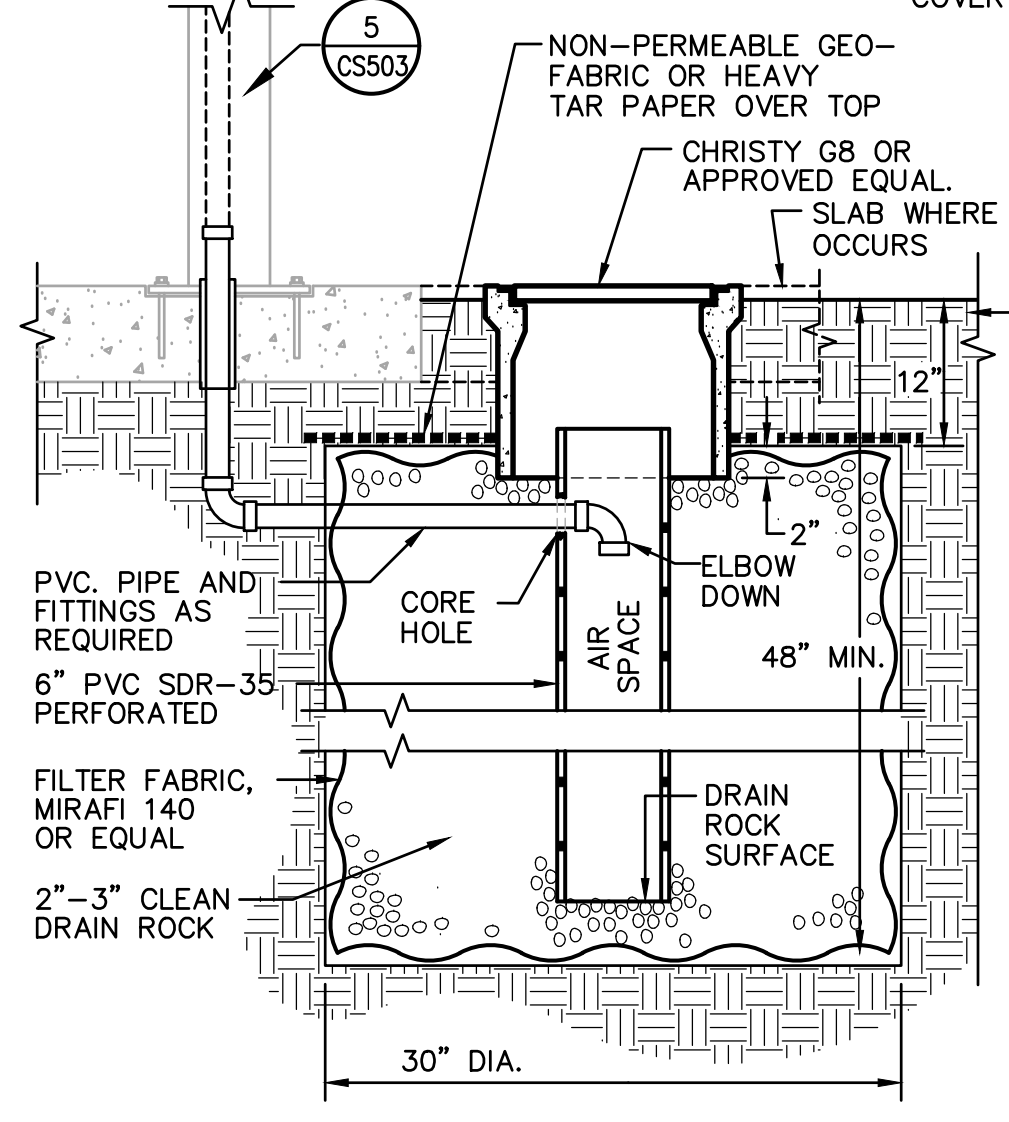
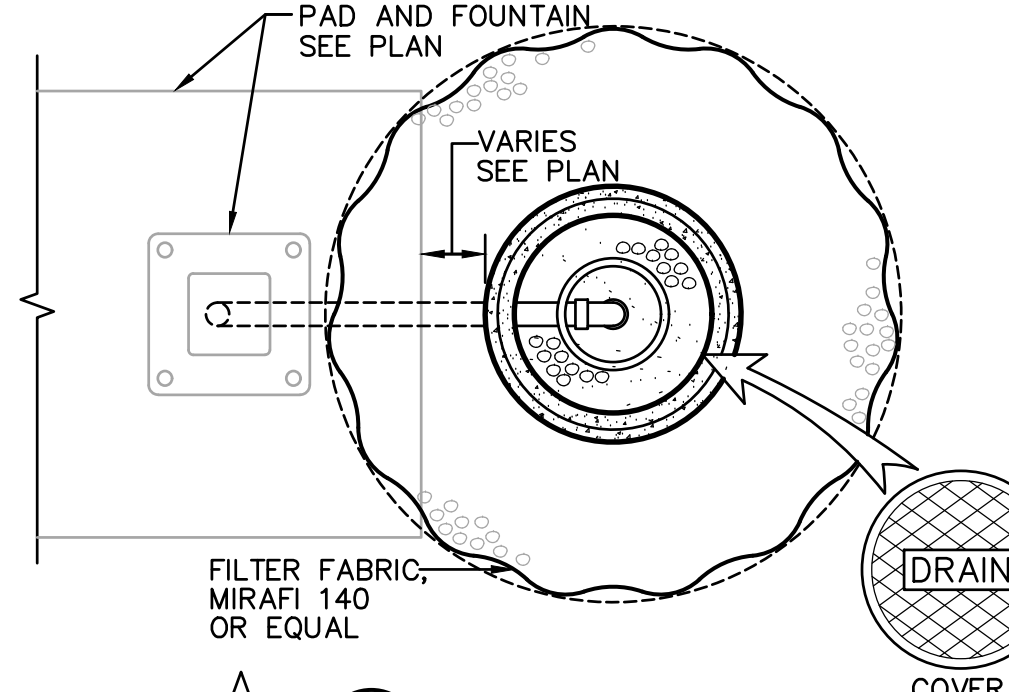


1
CS503 WATER TRENCH NO SCALE



2
CS503 1/2" TO 3" PIPE ONLY PRIVATE WATER LINES ONLY NO SCALE

WATER VALVE
NO SCALE



3
CS503 FOUNTAIN DRYWELL NO SCALE

FOUNTAIN DRYWELL
NO SCALE

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REVIEWED FOR
SS FLS ACS
DATE: 12/18/2023

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2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT
WC
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL CERRILLO HILLS, CA 95702 | (916) 985-1870

PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
-	8.10.2023	DSA SUBMITTAL
-	12/01/2023	DSA APPROVAL

MANAGEMENT
LIONAKIS PROJECT NO: 023041
DSA APPLICATION NO: 02-121593
CLIENT PROJECT NO: #####
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TITLE
SITE DETAILS

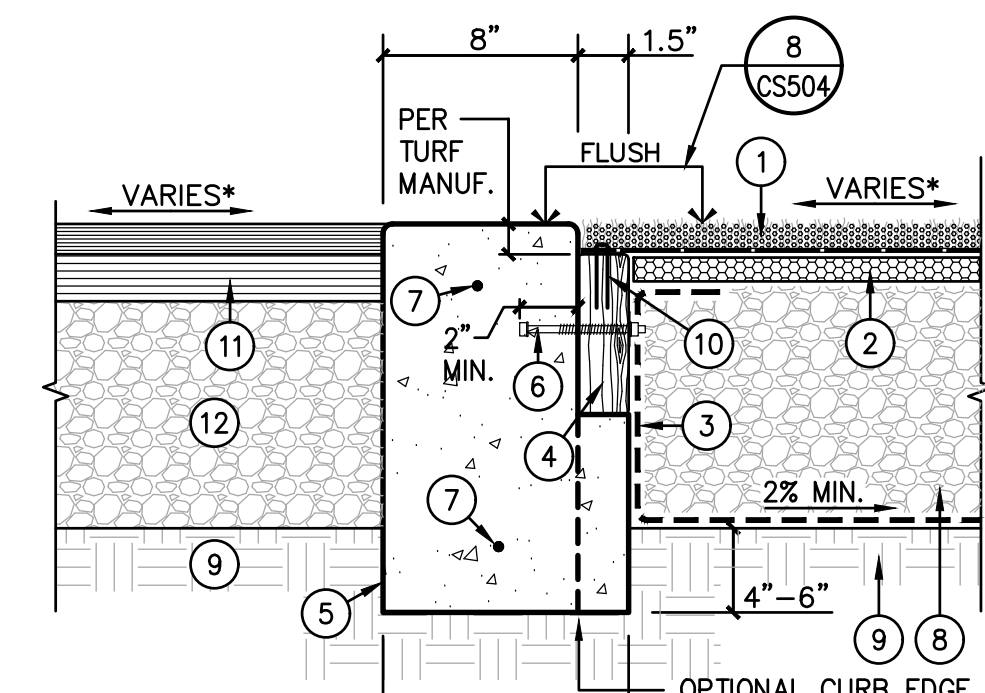
SHEET
CS503

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C

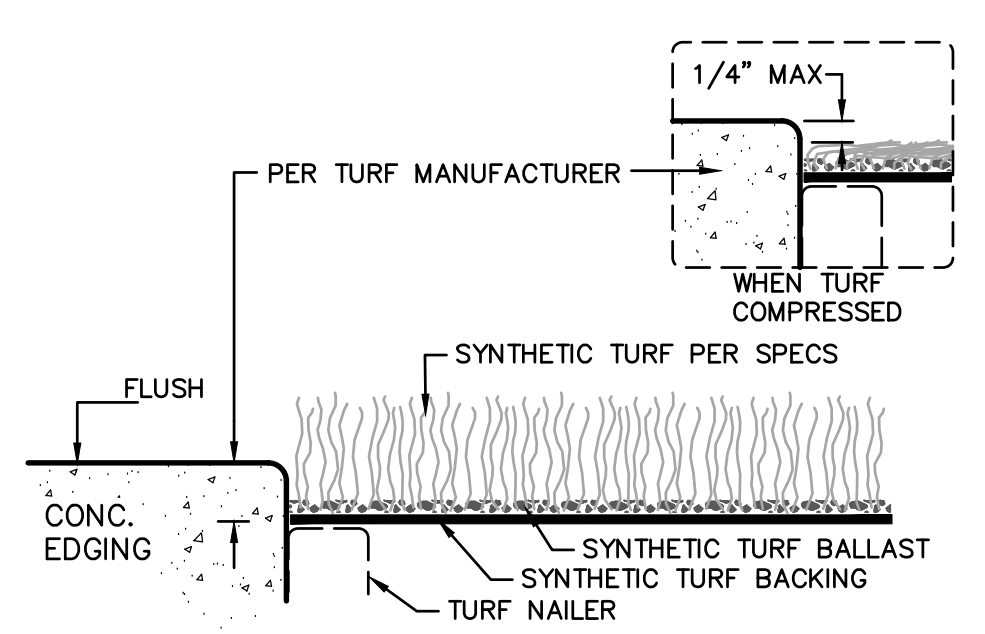
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PLOT DATE: 11/27/2023 11:33:17 AM FILE: I:\23-106\CIVIL\DWG\23-106-114 - CS504-CSS04.DWG

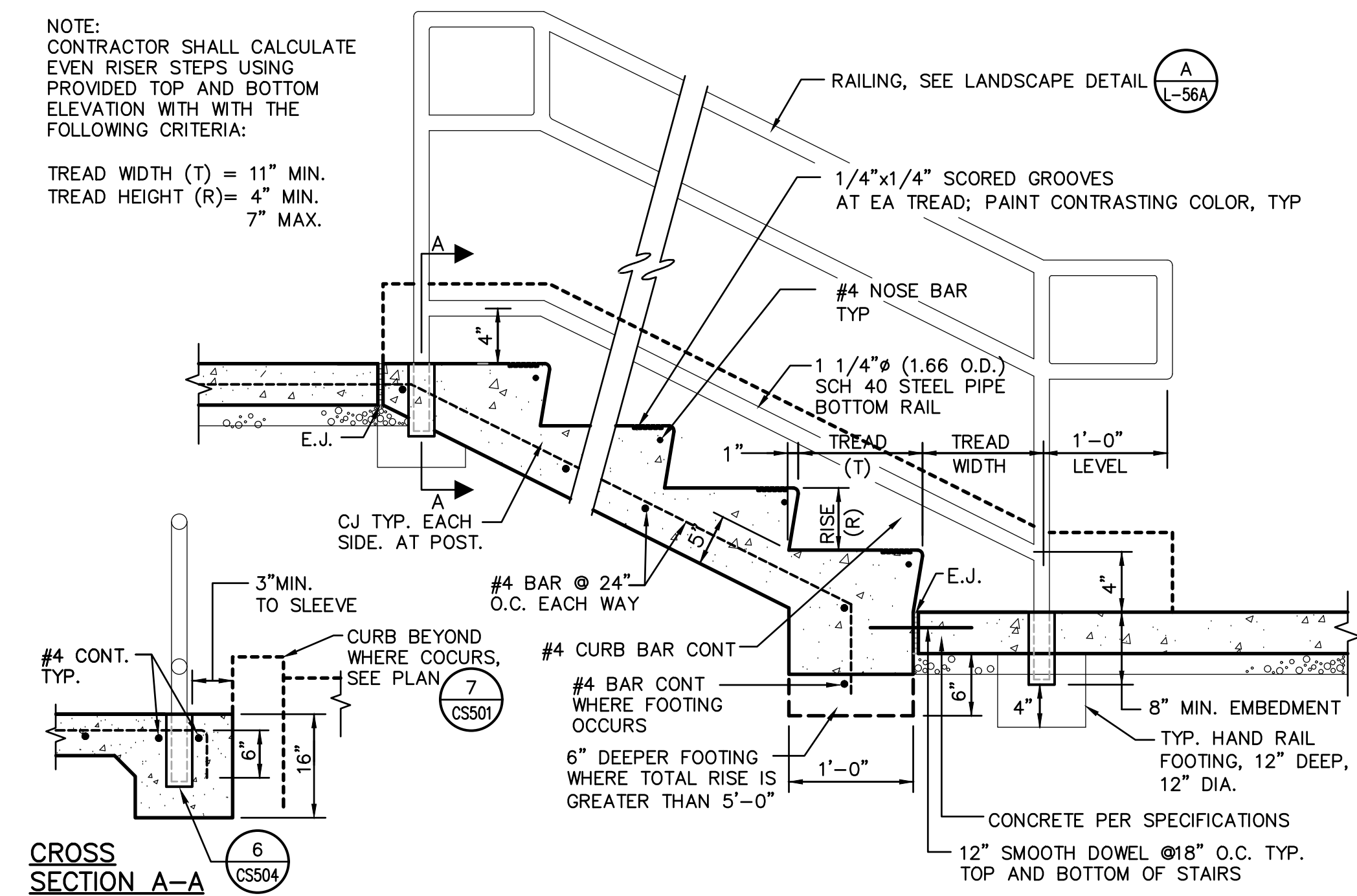


- NOTES:**
1. SYNTHETIC TURF & BALLAST/INFILL PER SPEC.
 2. SYNTHETIC UNDERLAYMENT PAD (SHOCK PAD)
 3. GEO-FABRIC, MIRAFI 140 N OR EQUAL.
 4. 2x4 OR 2x6 NAILER, SYNTHETIC, PER SPECS.
 5. CONCRETE CURB, 3000 PSI MIN. (28 DAY), PER SPECS.
 6. 1/2"x5" ANCHOR BOLT W/ NYLON NUT AND WIDE FLANGE WASHER @ 24" O.C., WET SET IN FORM WITH NAILER.
 7. REBAR, #4 GRADE 60, TYP. OF 2.
 8. BASE AND/OR DRAINAGE AGGREGATE LAYER, PER PAVING PLAN, AND PER SPECS.
 9. COMPACTED SUBGRADE PER SPECIFICATIONS.
 10. TURF STAPLES & SPACING PER TURF MANUFACTURER SPECS.
 11. ASPHALT PAVING, PER SPECS.
 12. AGGREGATE BASE, PER SPECS.

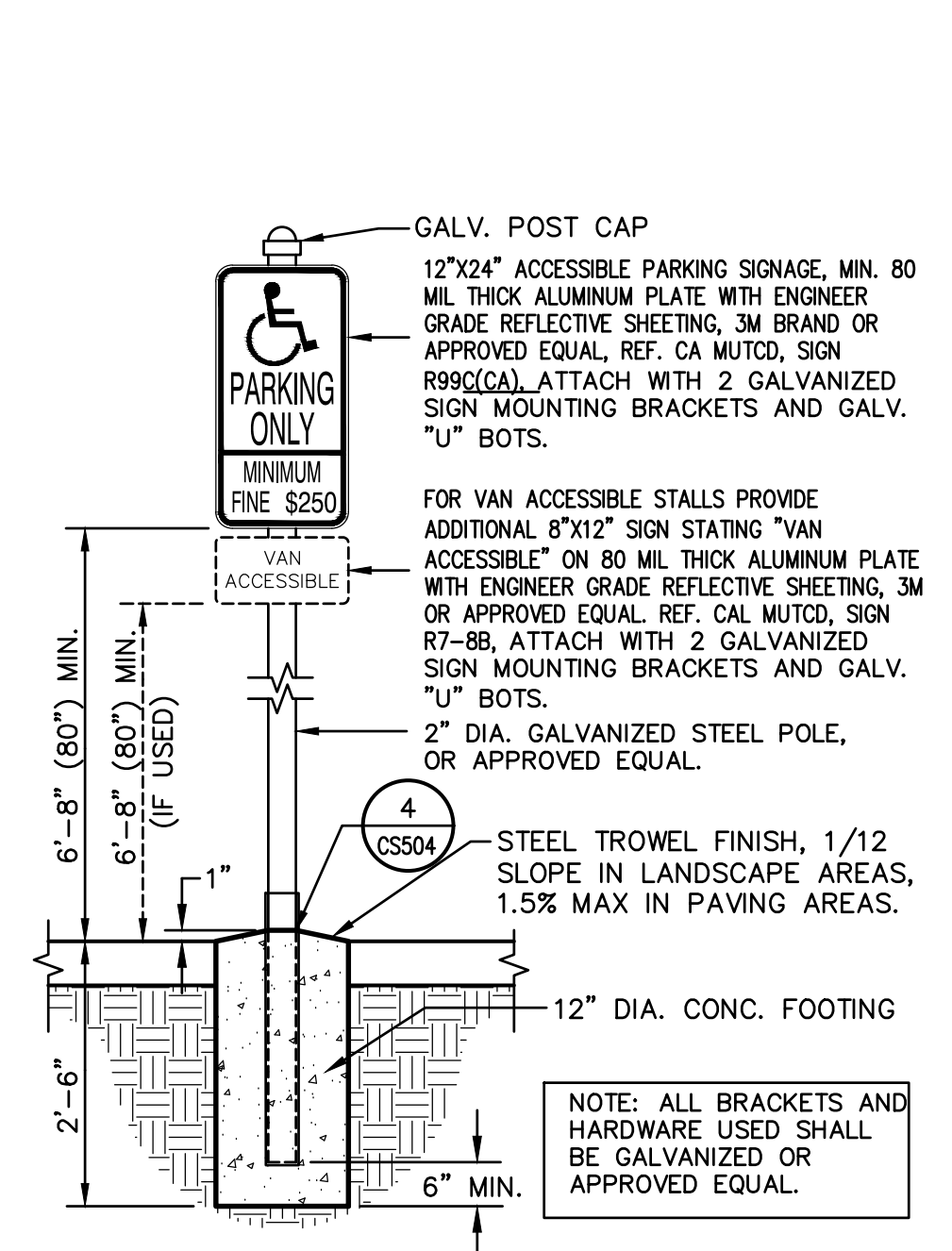
7 SYNTHETIC TURF CURB/NAILER
NO SCALE



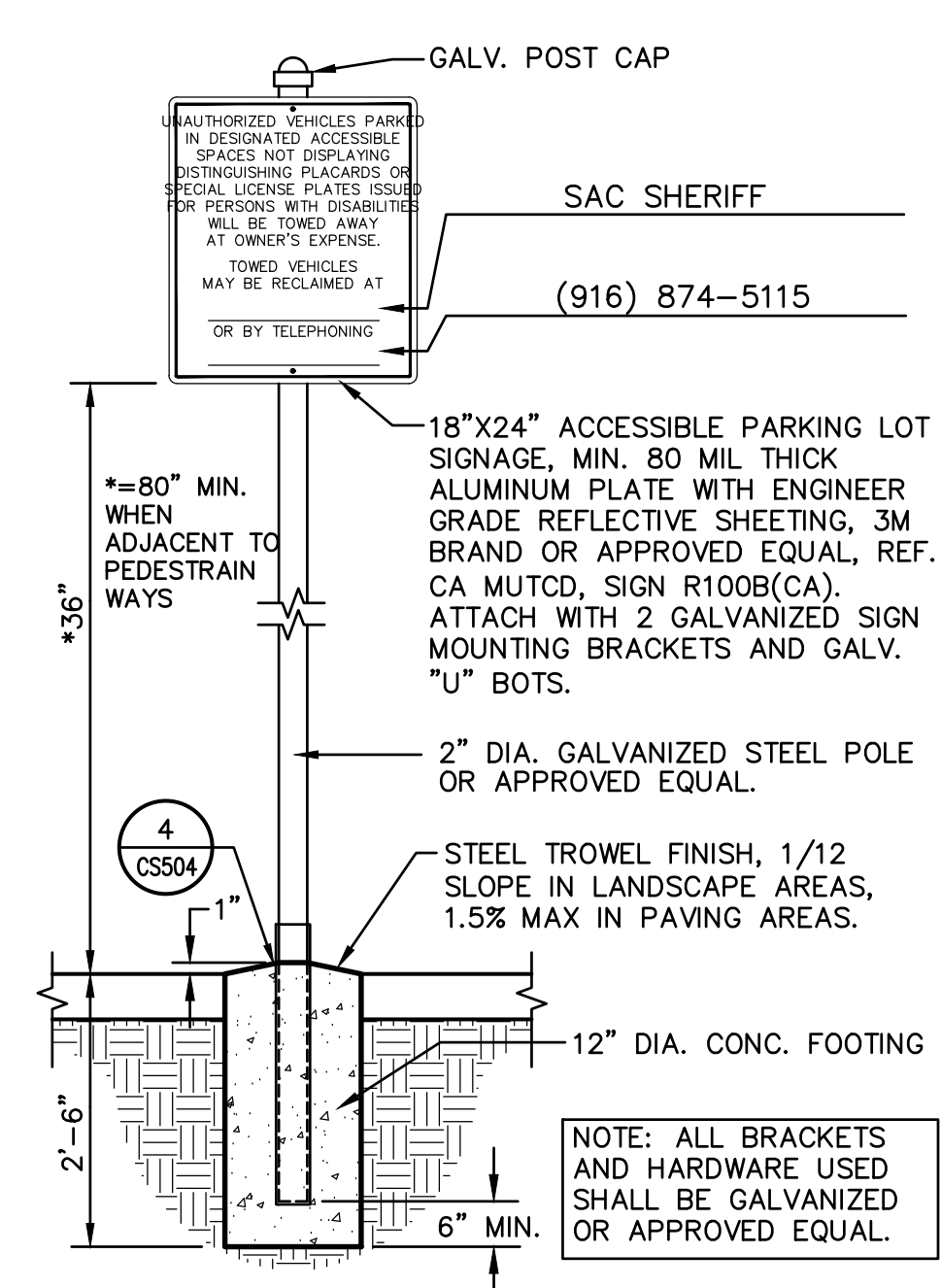
8 SYNTHETIC TURF TRANSITION
NON-INFILLED NO SCALE



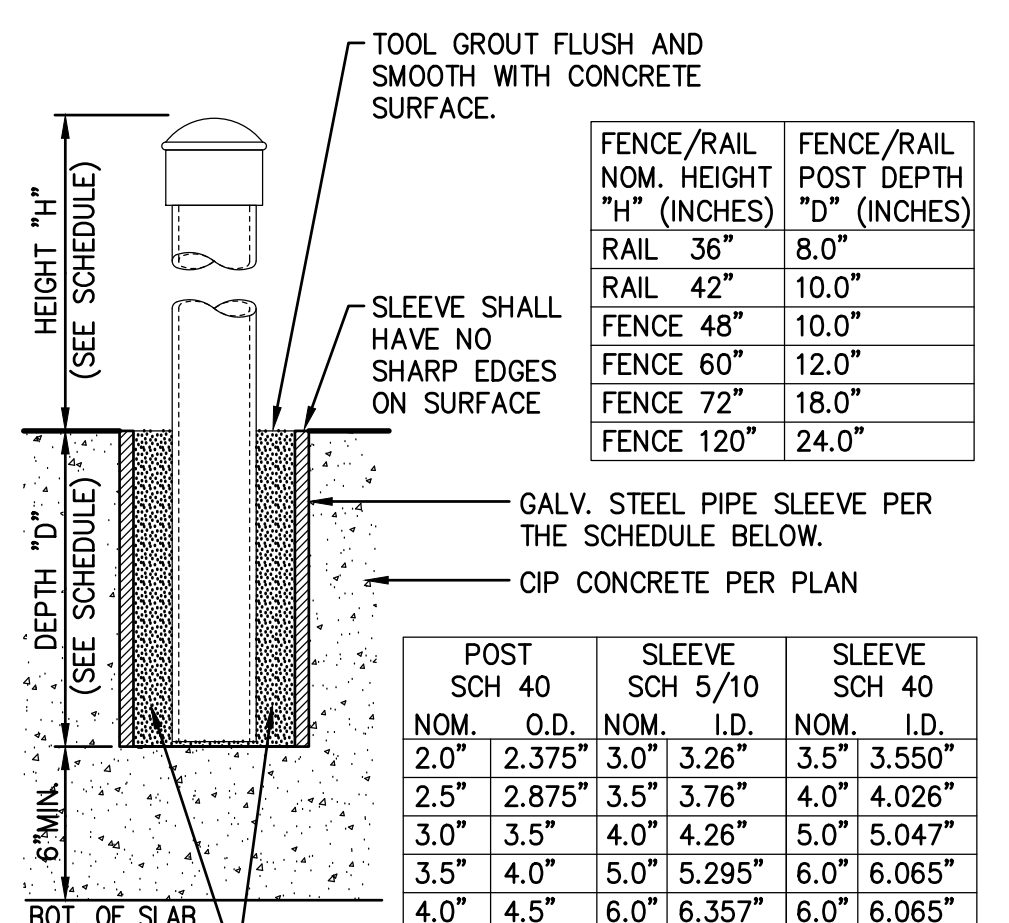
1 CONCRETE STAIR AND RAILINGS
NO SCALE



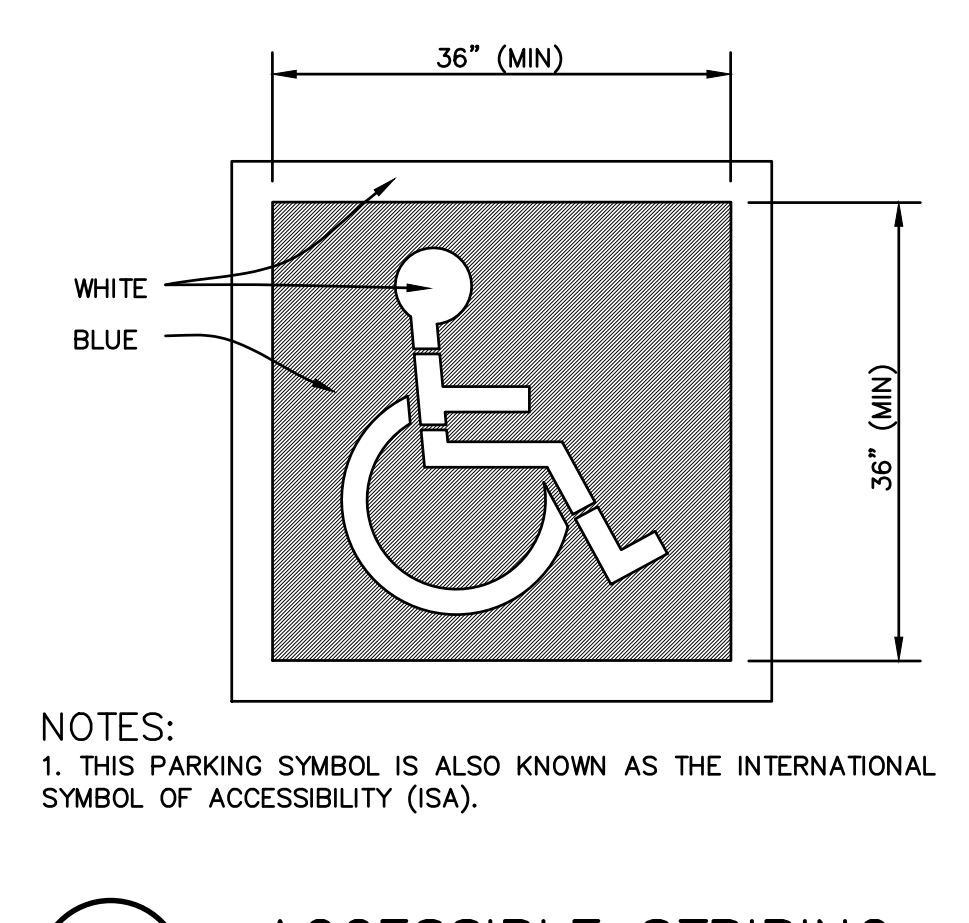
5 PARKING SIGNAGE
ACCESSIBLE STALLS (CALIFORNIA ONLY) NO SCALE



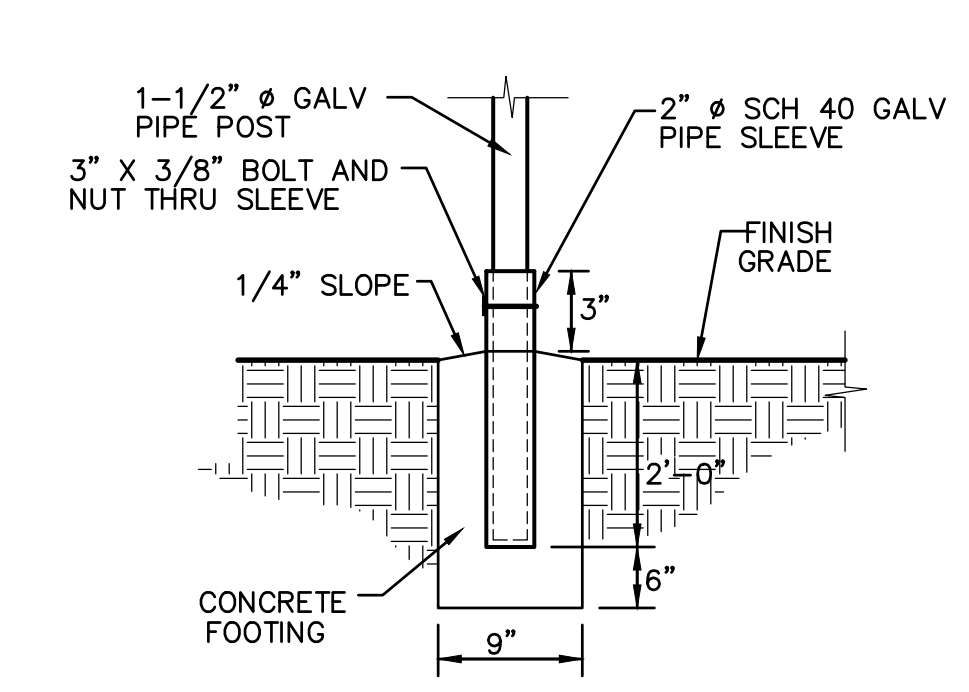
2 PARKING AREA SIGN
(CALIFORNIA ONLY) NO SCALE



6 POST SLEEVE DETAIL
NO SCALE



3 ACCESSIBLE STRIPING
NO SCALE



4 SIGN SLEEVE
NO SCALE

NOTE:
CONTRACTOR SHALL CALCULATE EVEN RISER STEPS USING PROVIDED TOP AND BOTTOM ELEVATION WITH WITH THE FOLLOWING CRITERIA:
TREAD WIDTH (T) = 11" MIN.
TREAD HEIGHT (R) = 4" MIN.
TREAD HEIGHT (R) = 7" MAX.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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CLIENT PROJECT NO: #####
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TITLE
SITE DETAILS

SHEET
CS504

0.14" = 1'-0"

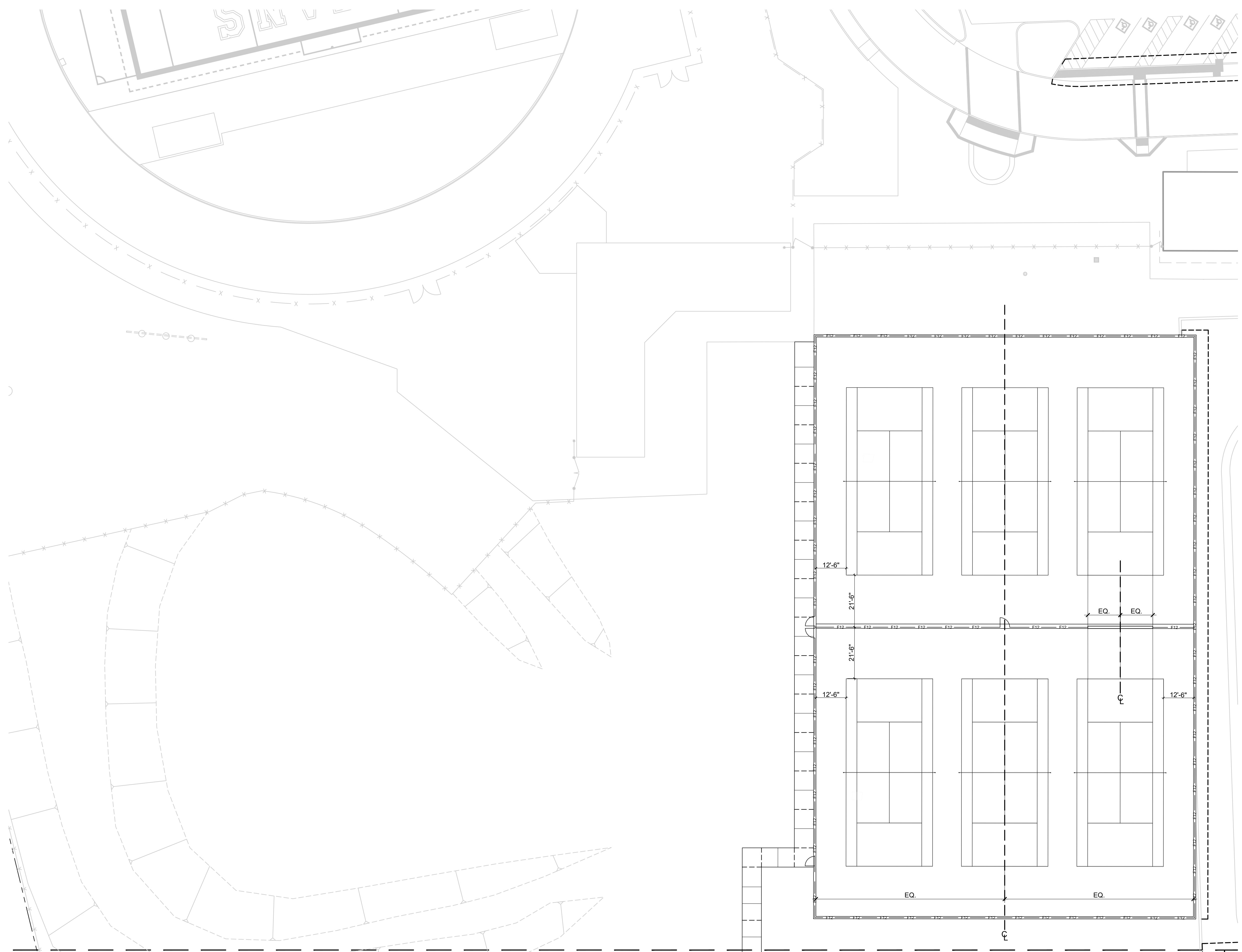
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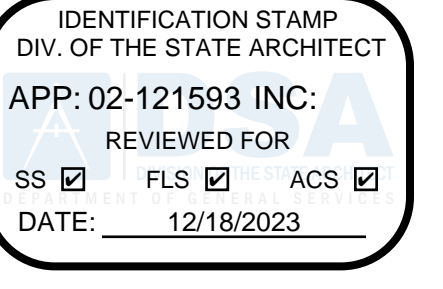


LAYOUT NOTES

1. THESE NOTES ARE FOR GENERAL REFERENCE IN CONJUNCTION WITH AND AS A SUPPLEMENT TO THE WRITTEN SPECIFICATIONS, DETAILS, ADDENDA AND CHANGE ORDERS ASSOCIATED WITH THE CONTRACT DOCUMENTS.
2. DRAWINGS SHALL NOT BE SCALED. WRITTEN DIMENSIONS TAKE PRECEDENCE. IF CONTRACTOR FINDS A DISCREPANCY WITH WRITTEN DIMENSIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTENCE OF AND LOCATIONS OF EXISTING AND PROPOSED UNDERGROUND SERVICES AND IMPROVEMENTS WHICH MAY CONFLICT WITH THE WORK. CONTACT THE OWNER'S REPRESENTATIVE AND UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444 PRIOR TO INITIATING CONSTRUCTION FOR ASSISTANCE.
4. COORDINATE CONSTRUCTION ELEMENTS PRIOR TO INSTALLATION. VERIFY WALLS, CURBS, FENCES, ETC. AND CRITICAL DIMENSIONS, REFERENCE AND COORDINATE POINT LOCATIONS, AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCIES ARISE.
5. CONTRACTOR SHALL LAYOUT PROJECT ELEMENTS IN FIELD AS SHOWN ON THESE PLANS AND HAVE THEM APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
6. MINOR ADJUSTMENTS MADE TO ACCOMMODATE EXISTING SITE CONDITIONS SHALL MAINTAIN THE OVERALL DESIGN LAYOUT. ADJUSTMENTS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
7. NEW PAVED SURFACES SHALL CONFORM TO EXISTING PAVED SURFACES, FLUSH AND SMOOTH. CONTRACTOR SHALL CONSTRUCT SMOOTH TRANSITIONS OF PAVING AND WALKS WHILE MAINTAINING POSITIVE DRAINAGE.
8. COORDINATE SLEEVING AND UTILITY LOCATIONS AS SHOWN ON THE PLANS AND DETAILS CONTAINED WITHIN THESE CONTRACT DOCUMENTS AND THE REQUIREMENTS OF NFPA 24, SECTION 8.1, "MINIMUM DEPTH OF COVER" (36 INCHES) FOR PIPE BENEATH FIRE LANE ACCESS ROUTES.
9. CONDITIONS NOT SPECIFICALLY NOTED OR DETAILED ON THESE PLANS SHALL BE CALLED TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR REVIEW PRIOR TO IMPLEMENTATION.
10. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING OR REPLACING, AT THEIR OWN EXPENSE, ANY STRUCTURES, FENCES, WALLS, PLANT MATERIAL OR TREES DAMAGED OR DESTROYED, BOTH ON THIS PROPERTY OR THOSE PROPERTIES ADJACENT TO THIS SITE. THE DAMAGED ITEM(S) WILL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
11. ANGLES FOR LAYOUT TO BE 90 DEGREES UNLESS OTHERWISE NOTED.

LAYOUT LEGEND

SYMBOL	DESCRIPTION OF SYMBOL
ALN	ALIGN
BCR	BEGINNING OF CURVE RETURN
BOC	BACK OF CURB
BS	BOTTOM OF STAIRS / STEPS
BOW	BACK OF WALL
CL	CENTERLINE
CLR	CLEAR
DIA	DIAMETER
ECR	END OF CURVE RETURN
R	END OF RADIUS
EJ	EXPANSION JOINT, TYPICAL
EQ	EQUAL
EW	EACH WAY
FOB	FACE OF BUILDING
FOC	FACE OF CURB
FOW	FACE OF WALL
MAX	MAXIMUM
MIN	MINIMUM
OC	ON CENTER
PA	PLANTING AREA
POB	POINT OF BEGINNING
PT	POINT OF TANGENCY
R	RADIUS
SJ	SCORE JOINT, TYPICAL
TS	TOP OF STAIRS / STEPS
TYP	TYPICAL



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PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS REPLACEMENT**

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 SACRAMENTO, CA 95823

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 5735 47TH AVENUE, SACRAMENTO, CA 95824

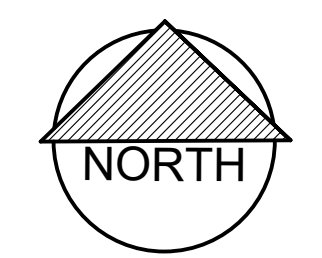
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MARK	DATE	DESCRIPTION
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-	12.07.2023	DSA BACKCHECK

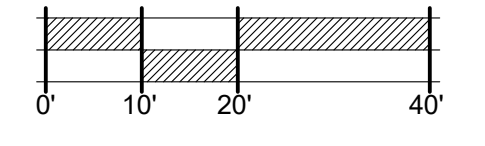
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 CLIENT PROJECT NO.:
 COPYRIGHT:

AGENCY



SCALE: 1" = 20'-0"



TITLE
LAYOUT PLAN

SHEET
LS10A

ANLA PROJECT NO.

2318

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MATCHLINE - SEE SHEET LS10A

SEE SHEET LS10A FOR LAYOUT NOTES
LEGEND

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DATE: 12/18/2023

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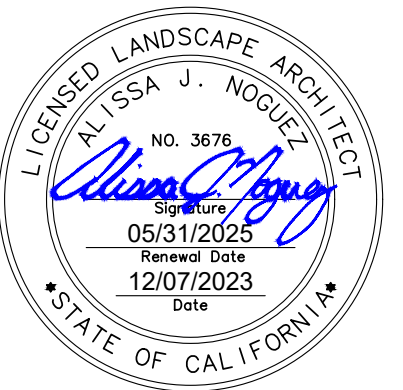
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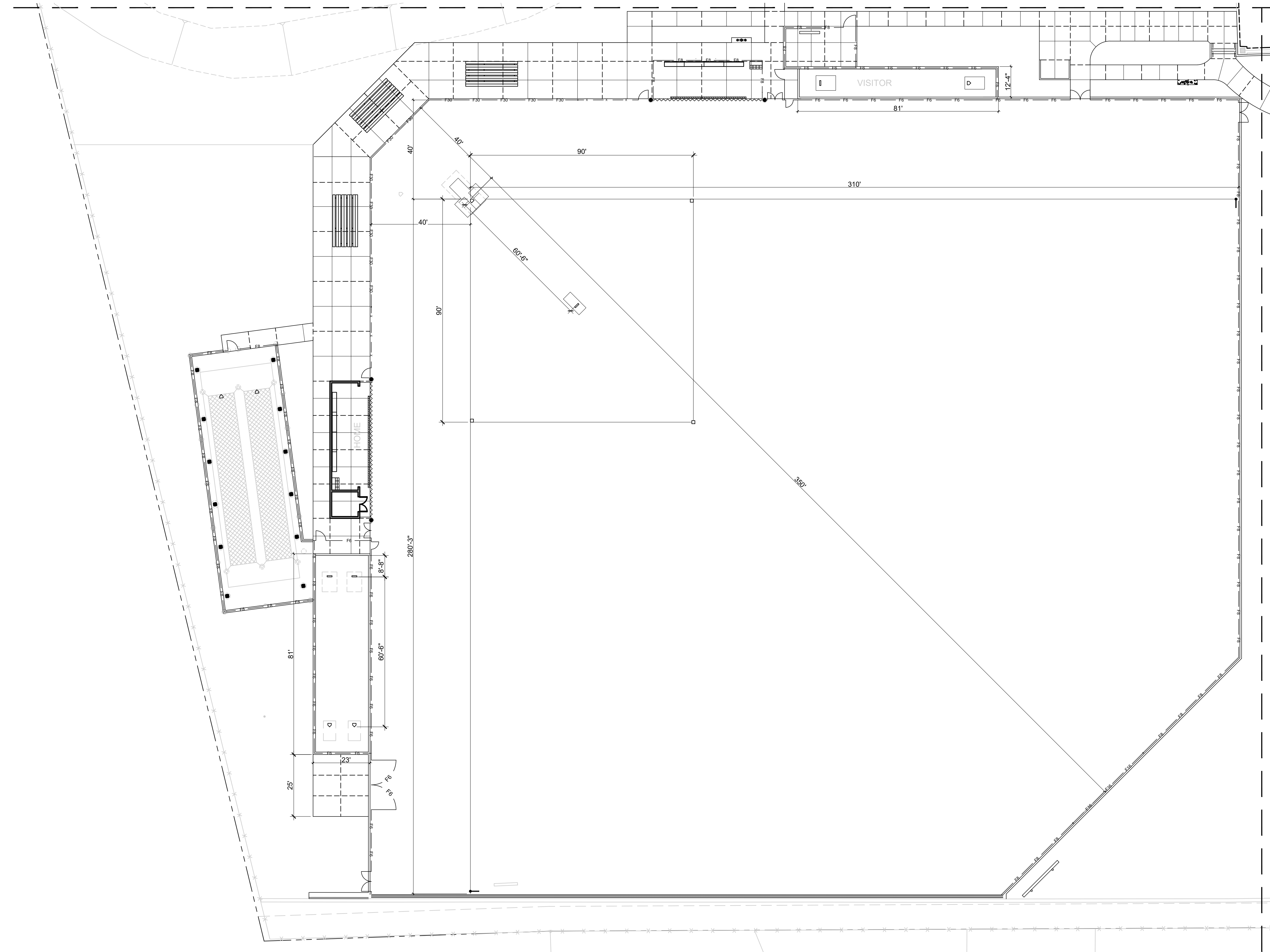
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AGENCY

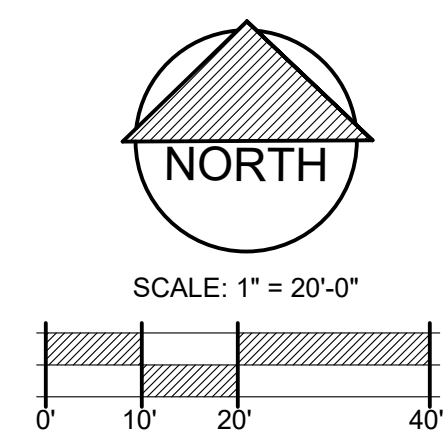
TITLE
LAYOUT PLAN

SHEET
LS10B

ANLA PROJECT NO: _____ 2318



MATCHLINE - SEE SHEET LS10C



MATCHLINE - SEE SHEET LS10A

SEE SHEET LS10A FOR LAYOUT NOTES
LEGEND

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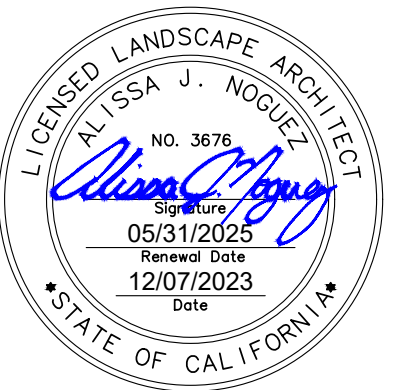
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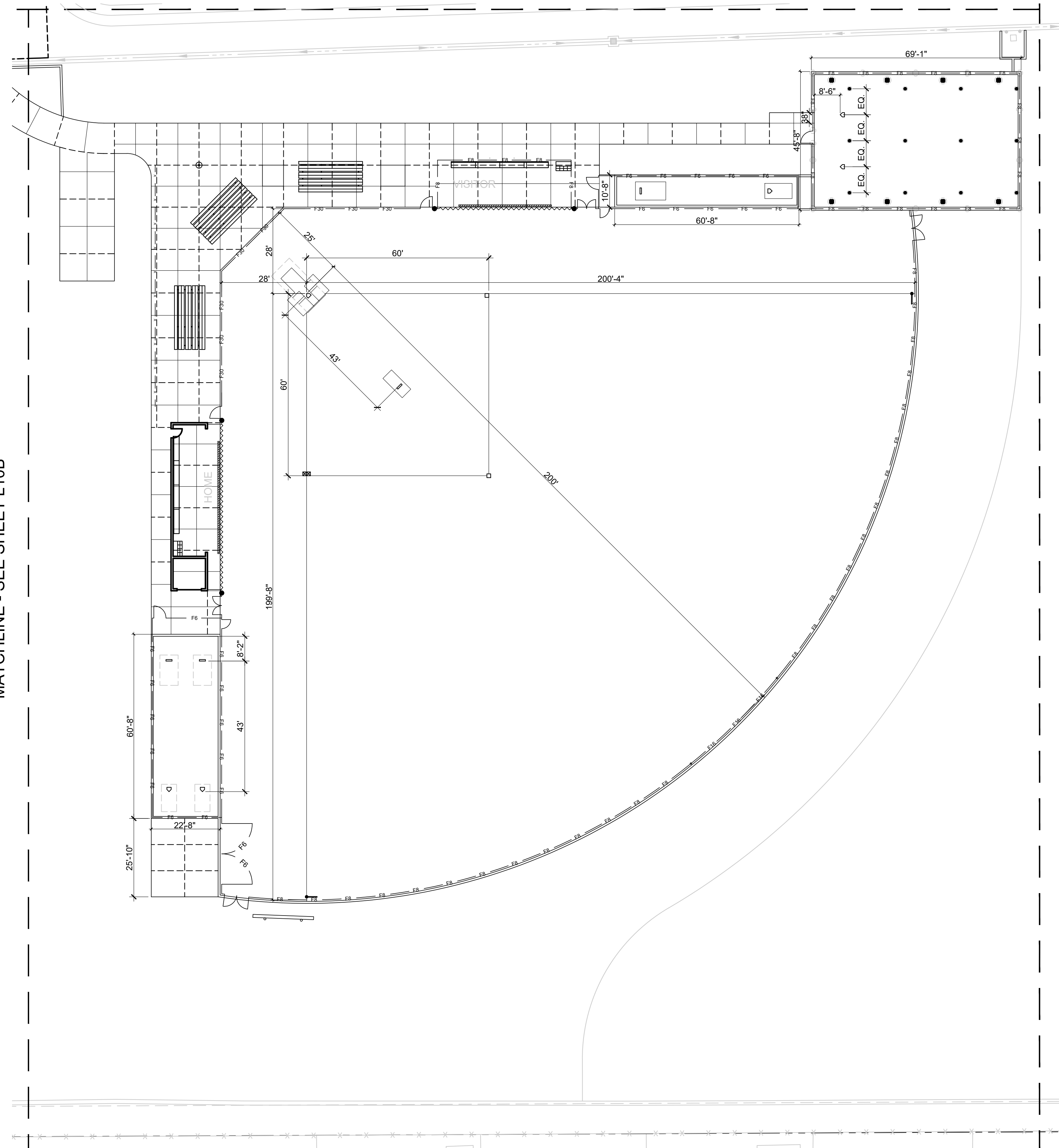
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AGENCY

TITLE
 LAYOUT PLAN

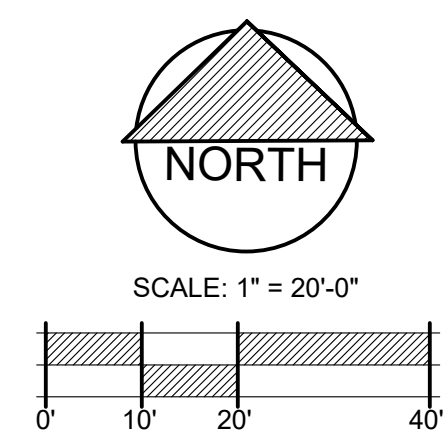
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 LS10C

ANLA PROJECT NO. 2318



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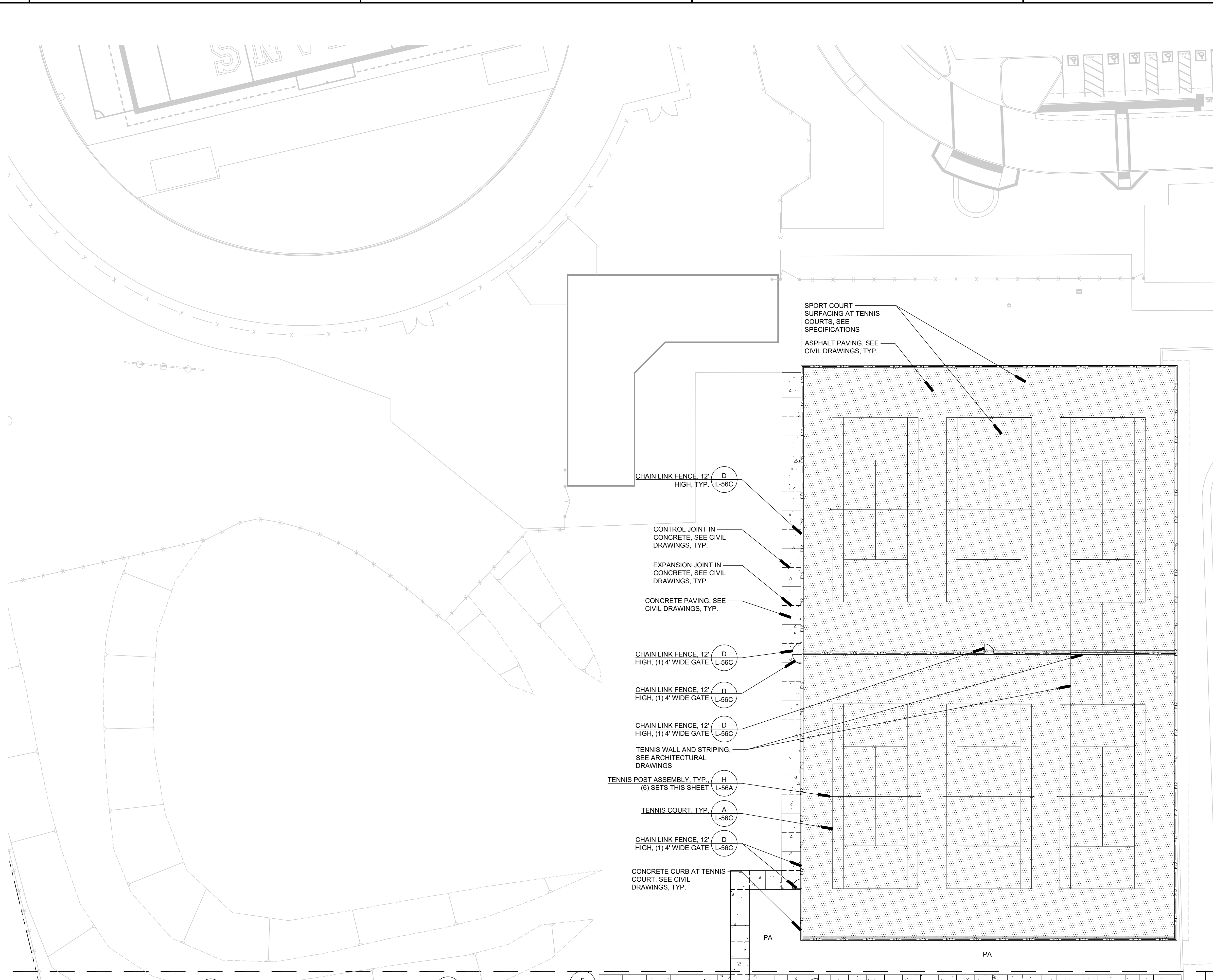


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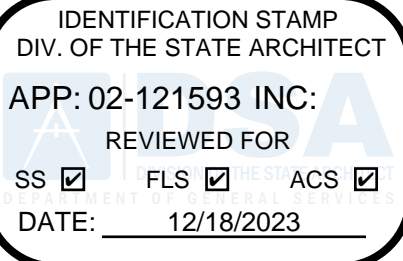
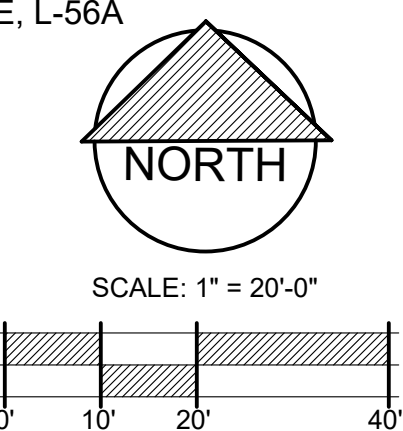
NOTE:
EXISTING TENNIS COURTS CANNOT BE DEMOLISHED UNTIL AFTER MAY 1, 2024, OR UNTIL NEW ONES ARE READY.

MATERIAL AND DETAIL REFERENCE NOTES

- THESE NOTES ARE FOR GENERAL REFERENCE IN CONJUNCTION WITH AND AS A SUPPLEMENT TO THE WRITTEN SPECIFICATIONS, DETAILS, ADDENDA AND CHANGE ORDERS ASSOCIATED WITH THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF EXISTING AND PROPOSED UNDERGROUND SERVICES. CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444 PRIOR TO BEGINNING WORK. CONTACT OWNER'S REPRESENTATIVE SHOULD ANY CONFLICTS ARISE.
- SCORE AND EXPANSION JOINTS SHALL BE LOCATED AS INDICATED ON THIS PLAN. CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS WHEN NECESSARY TO ALIGN SCORE AND EXPANSION JOINTS WITH RELATIVE ELEMENTS AS SHOWN ON THE PLAN.
- DETAIL CALLOUTS ON PLAN ARE PROVIDED FOR CONVENIENCE AND GENERAL REFERENCE ONLY. CONTRACTOR SHALL PROVIDE QUANTITY OF PRODUCTS, ELEMENTS AND MATERIALS AS SYMBOLIZED ON PLANS, ASSOCIATED DETAILS, AND SPECIFICATIONS.
- FOR EACH CONCRETE COLOR AND FINISH SPECIFIED, CONTRACTOR SHALL POUR A 2'x2' SAMPLE FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLING CONCRETE PAVING.
- LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. IF WORK WITHIN THIS SCOPE REQUIRES REMOVAL, RELOCATION, OR DEMOLITION OF EXISTING TO REMAIN IMPROVEMENTS, BOTH SURFACE AND KNOWN SUBSURFACE CONDITIONS, CONTRACTOR SHALL INCLUDE IN THE BID SUFFICIENT LABOR AND MATERIALS TO RESTORE EXISTING TO REMAIN IMPROVEMENTS IN KIND AND AS ACCEPTABLE TO OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL COORDINATE ROUGH GRADING AND FINE GRADING TO ENSURE EXISTING SUITABLE TOPSOIL IS REMOVED, STOCKPILED AND REINSTALLED INTO ALL PROPOSED LANDSCAPE AREAS PER LANDSCAPE SPECIFICATION SECTION 32 90 00. IN THE EVENT THERE IS NOT ENOUGH EXISTING TOPSOIL, OR NO PLACE TO STOCKPILE TOPSOIL, CONTRACTOR SHALL IMPORT AND INSTALL TOPSOIL PER LANDSCAPE SPECIFICATION SECTION 32 90 00.
- THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING OR REPLACING, AT THEIR OWN EXPENSE, SURFACE AND SUBSURFACE SITE FEATURES TO REMAIN, INCLUDING BUT NOT LIMITED TO ANY STRUCTURES, FENCES, WALLS, PAVING SURFACES, PLANT MATERIAL AND/OR TREES DAMAGED OR DESTROYED, BOTH ON THIS PROPERTY OR THOSE PROPERTIES ADJACENT TO THIS SITE. THE DAMAGED ITEM(S) WILL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR ROOFTOP GARDEN LINER, BUILDING WATERPROOFING, DRAINAGE FROM ROOF, WEIGHT LOAD BEARING ISSUES, MAINTENANCE, SAFETY, AND MEANS AND/OR METHODS OF INSTALLATION.
- CONTRACTOR SHALL ADJUST EXISTING UTILITY BOXES TO BE FLUSH WITH PROPOSED GRADES.
- REFER TO THE FOLLOWING SPECIFICATION SECTIONS:
05 52 00 METAL RAILINGS
12 93 00 SITE FURNISHINGS
31 13 16 TREE PROTECTION
32 12 33.1 SPORT COURT SURFACING
32 14 40 CRUSHED STONE SURFACING
32 31 13 CHAIN LINK FENCES
32 18 13 SYNTHETIC GRASS SURFACING
- REFER TO CONSTRUCTION DETAILS ON SHEETS L-56A THROUGH L-56E.

MATERIALS & DETAIL REFERENCE LEGEND

SYMBOL	DESCRIPTION	DETAIL
[Pattern]	CONCRETE PAVING, SEE CIVIL DRAWINGS, TYP.	-
[Pattern]	AC PAVING, SEE CIVIL DRAWINGS, TYP. SPORT COURT SURFACING. FIELD OF PLAY COLOR TO BE SELECTED BY OWNER'S REPRESENTATIVE AND A CONTRASTING OUTER COURT COLOR SHALL BE SELECTED BY OWNER'S REPRESENTATIVE. GAMES LINES TO BE WHITE.	-
[Symbol]	HANDRAIL AT STEPS, IN STEPS	A, L-56A
[Symbol]	CHAIN LINK FENCE, 6' HIGH	B, L-56C
[Symbol]	CHAIN LINK FENCE, 8' HIGH	F, L-56C
[Symbol]	CHAIN LINK FENCE, 12' HIGH	D, L-56C
[Symbol]	CHAIN LINK FENCE, 16' HIGH	A, L-56D
[Symbol]	CHAIN LINK FENCE, 30' HIGH	A, L-56E
[Symbol]	22' PROTECTIVE NETTING OVER 8' TALL CHAIN LINK FENCE	D, E, L-56F
[Symbol]	22' PROTECTIVE NETTING OVER DUGOUT	D, E, L-56F
[Symbol]	GUARD RAIL SYSTEM	F, L-56F
[Symbol]	BASES	A, L-56B
[Symbol]	1ST BASE AT SOFTBALL FIELD	A, L-56B
[Symbol]	PITCHER'S RUBBER	C, L-56B
[Symbol]	HOME PLATE	B, L-56B
[Symbol]	CLAY BRICKS	B, C, E, L-56B
[Symbol]	FOUL POLE	C, L-56A
[Symbol]	FLAG POLE	B, L-56A
[Symbol]	SYNTHETIC TURF	H, L-56B
[Symbol]	INFIELD FINES	F, L-56B
[Symbol]	WARNING TRACK FINES	I, L-56B
[Symbol]	STABILIZED FINES AT PAVING	G, L-56B
[Symbol]	PLANTING AREA, SEE PLANTING AND IRRIGATION DRAWINGS	-
[Symbol]	PLAYER'S BENCH	D, L-56A
[Symbol]	BLEACHERS	C, L-56E
[Symbol]	BAT STORAGE	E, L-56A

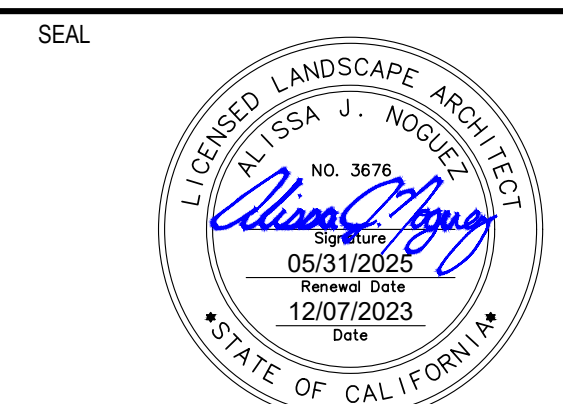


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PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS REPLACEMENT**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
-	08.10.2023	DSA INITIAL SUBMITTAL
-	12.07.2023	DSA BACKCHECK

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TITLE
**MATERIALS AND
DETAIL
REFERENCE
PLAN**

SHEET
LS16A

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MATCHLINE - SEE SHEET LS16A

SEE SHEET LS16A FOR MATERIAL AND
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SS FLS ACS
DATE: 12/18/2023

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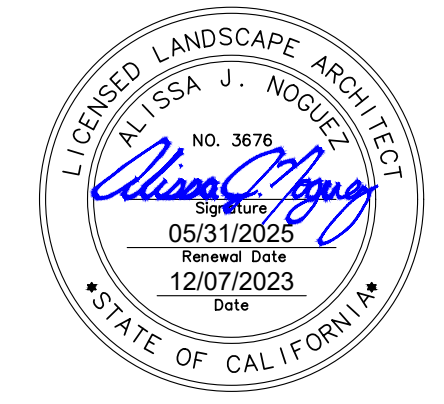
2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT



1723 Hamilton Ave, Suite 101
San Jose, CA 95125
T. 408.292.2196
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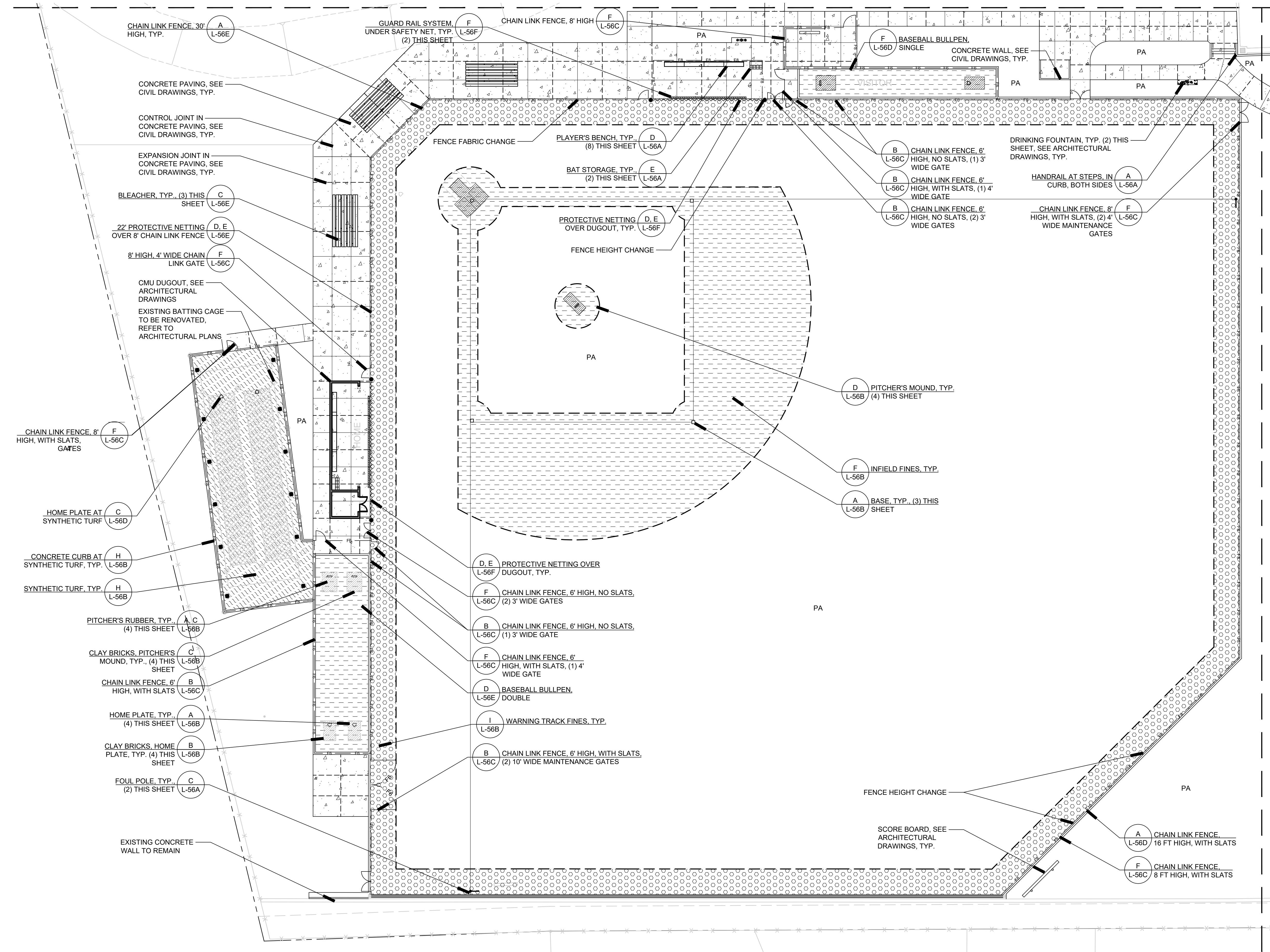
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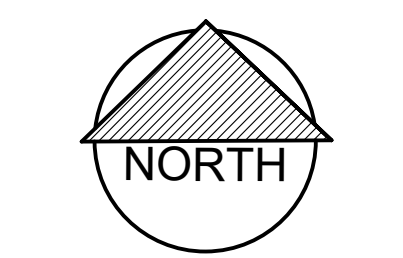
SHEET

LS16B

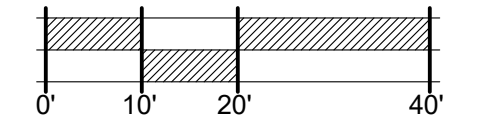
ANLA PROJECT NO. 2318



MATCHLINE - SEE SHEET LS16C



SCALE: 1" = 20'-0"



MATCHLINE - SEE SHEET LS16A

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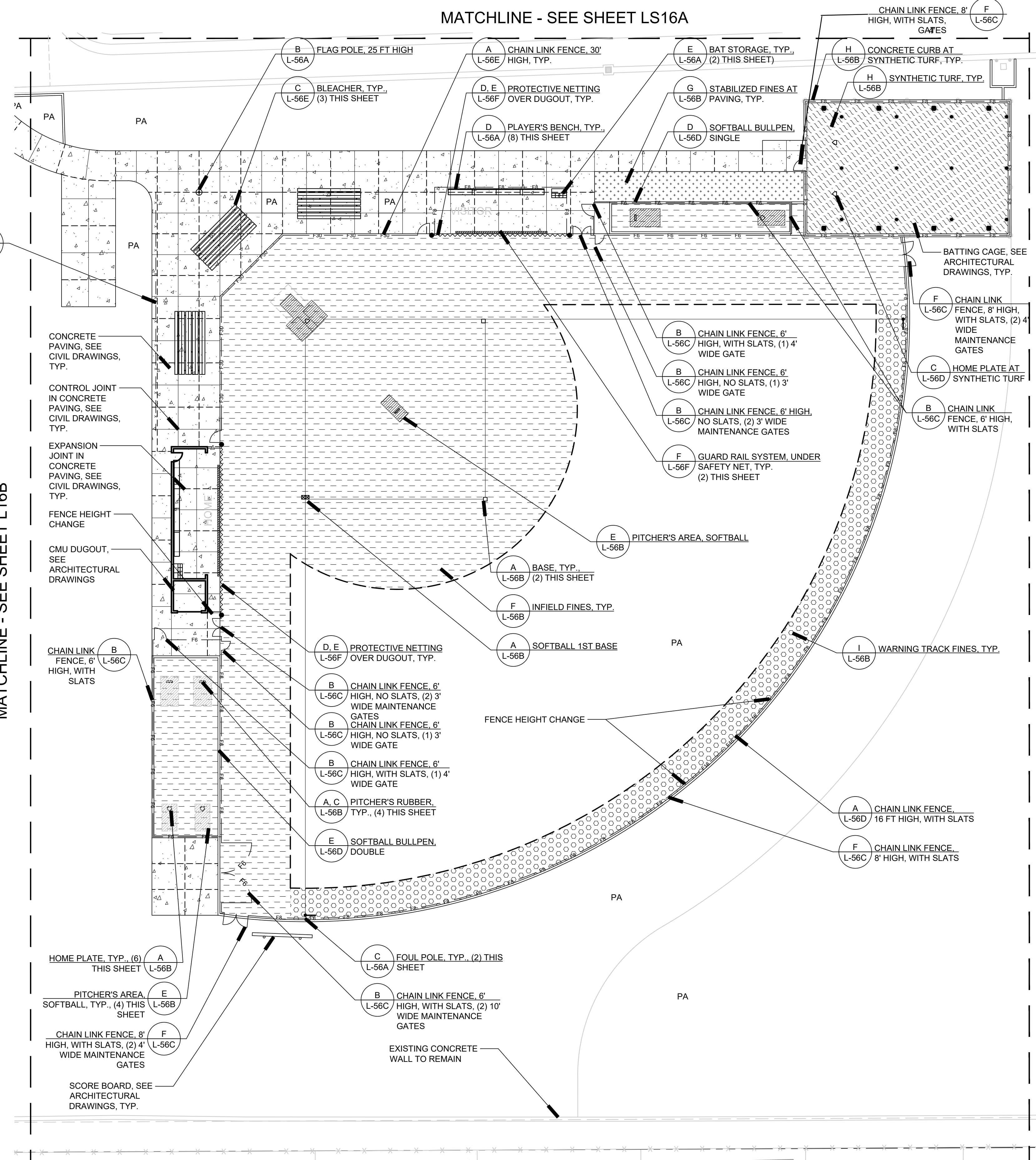
TITLE
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DETAIL
REFERENCE
PLAN**

SHEET
LS16C

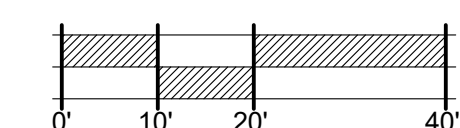
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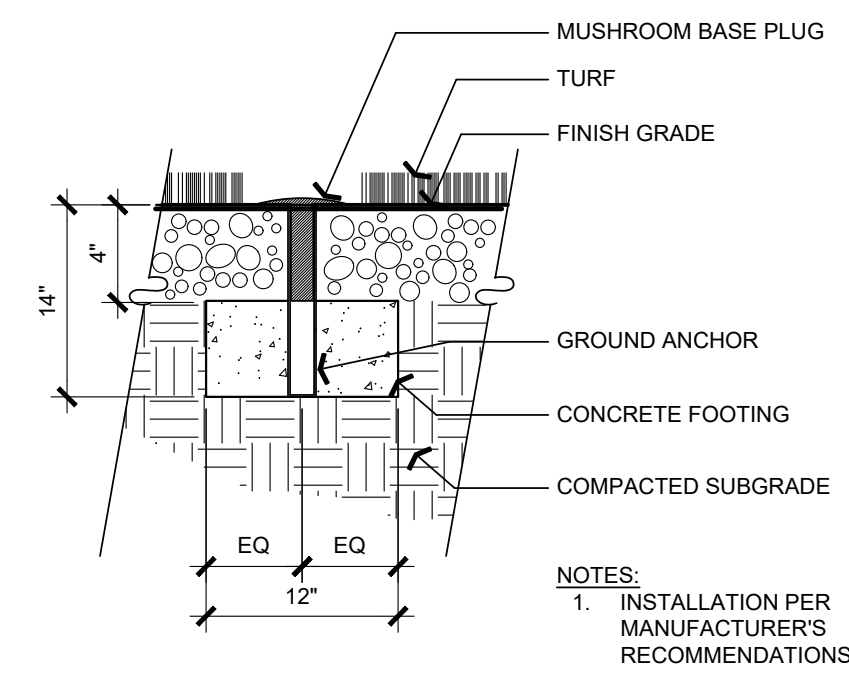
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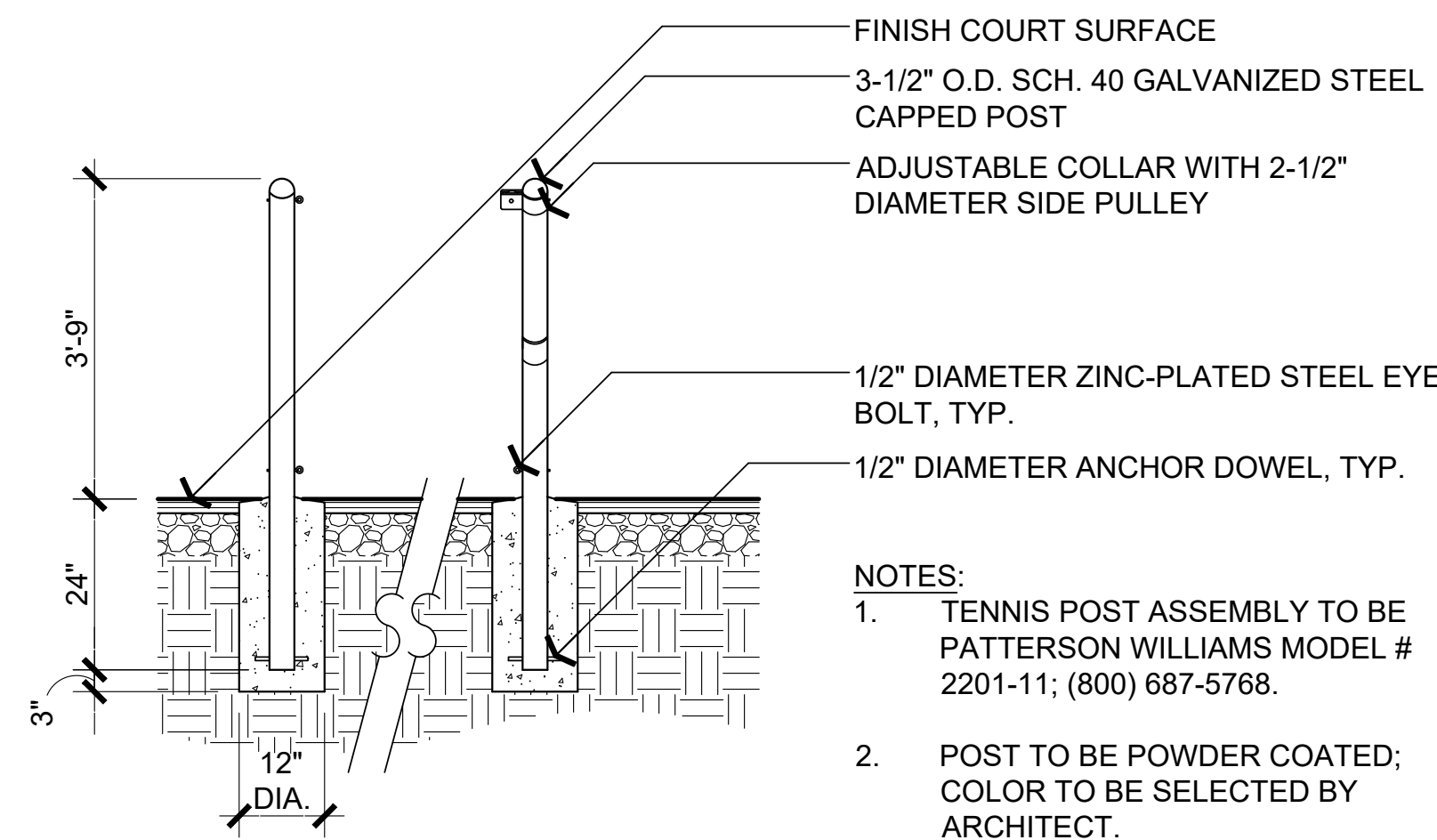


NOTES:
1. INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS.

NOTES:
1. REFER TO DETAIL A, L-56B FOR BASE LAYOUT.

I BASE ANCHORING

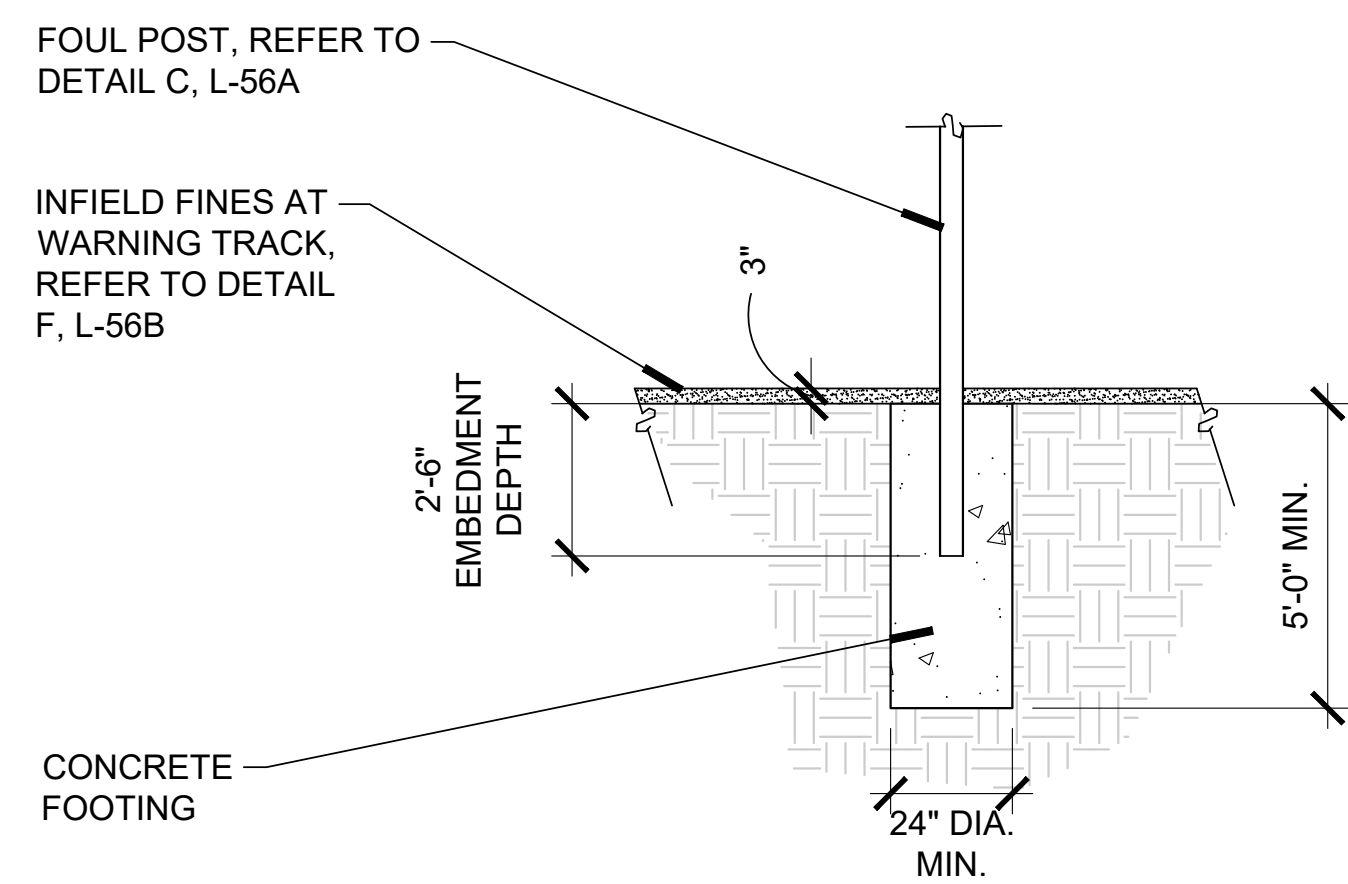
SCALE: NTS



NOTES:
1. TENNIS POST ASSEMBLY TO BE PATTERSON WILLIAMS MODEL # 2201-11, (800) 687-5768.
2. POST TO BE POWDER COATED; COLOR TO BE SELECTED BY ARCHITECT.

H TENNIS POST ASSEMBLY

SCALE: NTS



G FOUL POST FOOTING

SCALE: NTS

F

SPORTSFIELD SPECIALTIES
www.sportsfield.com

Excellence from Design to Installation
4955 State Highway 10, PO Box 231, Davis, CA 95618 | CALL: 888-979-3343 | FAX: 530-746-6448

10-11/16" x 10-3/4" x 18" Deep Helmet Storage (typ. 12x)

10-3/8" Sq. Front Bat Bin Storage Area (typ. 8x)

Recessed Pull Handle

Lockable Side Storage Access to Storage Area

Contractor to secure in place using 1/2" Galvanized Wedge Anchors, included (4x)

5/8" dia hilti kbz 316 stainless steel expansion bolt anchor on steel understructure, 3" effective embedment

SPECIFICATIONS:
HEAVY DUTY ALUMINUM CONSTRUCTION
MINIMAL ON-SITE ASSEMBLY
POWDER COATED FINISH, STANDARD COLORS AVAILABLE
OPTIONAL VINYL LOGO OR NAME

SUAHC12BBSS Helmet, Bat Bin and Side Storage Stand-Up Cubby Unit

Not To Scale Sportsfield Specialties Inc 105716.1-221219

E BAT STORAGE

SCALE: NTS

D

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4955 State Highway 10, PO Box 231, Davis, CA 95618 | CALL: 888-979-3343 | FAX: 530-746-6448

Two Tier Polyboard Seating and Backrest

Powder Coated Finish on Frame, Various Standard Colors Available

Polyboard Made from Recycled Material, Various Standard Colors Available

Formed 1/8" Aluminum Welded Frame

2" Square Aluminum Tubing

Contractor to secure benches in place using Anchoring Brackets and 1/2" X 3-3/4" L Concrete Wedge Anchors Included

Holes for Bolting Benches Together

Length (See Table) Custom Lengths Available

11 1/2"

1'-3 1/2"

1'-6 13/16"

3'-2 1/16"

2'-4 1/16"

Part #	Length	Weight
PTBT8	8'	235 lbs

NOTES:
1. PLAYER'S BENCH BY SPORTSFIELD SPECIALTIES, MODEL# PTBT8.
2. COLOR TO BE TEXTURED BURGUNDY.

Two Tier Polyboard Bench

Not To Scale Sportsfield Specialties Inc 05192020

D PLAYER'S BENCH

SCALE: NTS

C

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Standard Powder Coated Yellow Finish, *White or Orange Available Upon Request to Meet Current NCAA Softball Field of Play, Foul Pole Rule 2.16.1. Requiring a Contrasting Color to the Ball that Became Mandatory in 2018.

1/8" Stamped Aluminum With Double Reinforced Bends

Unless Specified and Designed at Time of Order, Banners, Flags, etc. Cannot be Placed on Any Foul Poles

Wing Length (See Table)

Foul Pole Height (See Table)

Overall Length (See Table)

Embedment Depth (See Table)

8'-0" 96.125

Finish Grade

Ground Sleeve

Stop Bolt: Prevents Rotation of Foul Pole

Part No.	Foul Pole Height	Overall Length	Embedment Depth	Wing Length	# of Wing Panels	Pole Material	Minimum Foundation Diameter
FPW420	20'	22'-6"	2'-6"	12'	2	4" OD x 0.125" Wall Aluminum	18"

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Ground Sleeve Foul Pole with Wing

Not To Scale Sportsfield Specialties Inc 06302020

C FOUL POLE

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B

CONCORD AMERICAN FLAGSALES
www.concordamerican.com

Independence Series
IRW - Internal with Winch Wire Halyard Ground Set Installation

IRW25D61 - CLR

TRK-9650-CLR Int. Revolving Truck Sealed Bearings

BAL-0612-GLD HD Gold Anodized Aluminum Ball

COL1-A06S-CLR FC-11 Spin Alum 1-Piece

CLR Clear Powder Coat

IRW - WINCH Reinforced Welded Door Frame

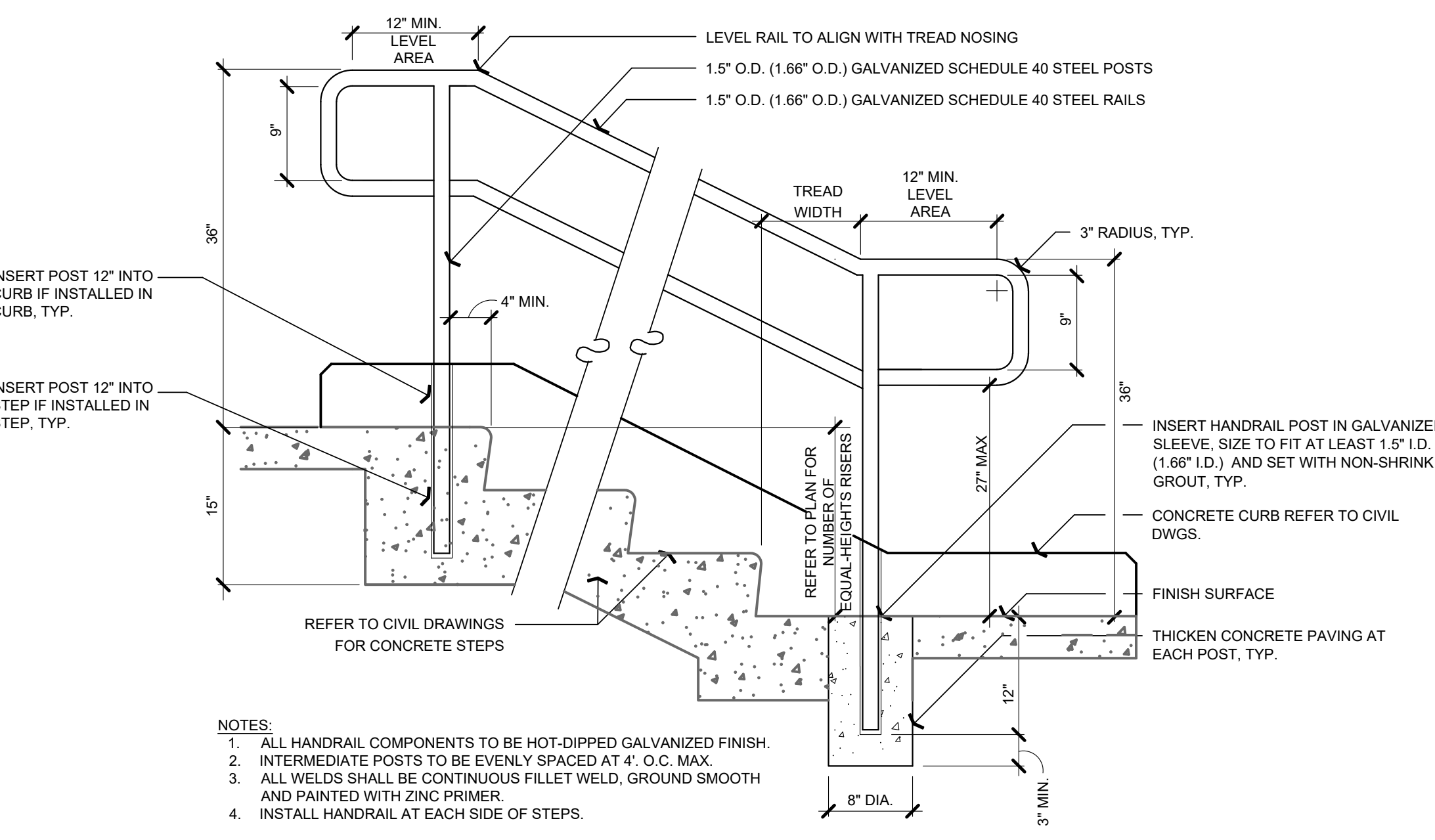
Specifications

A. Mounting Height:	24"
B. SET DEPTH (TOTAL FOOTING DEPTH) #	
C. Total Length:	26'-6"
D. Butt Diameter:	6"
E. Wall Thickness:	1/8"
F. Top Diameter:	3.5"
Flagpole Sections:	1
Shaft Weight:	145 lbs.
Hardware Weight:	20 lbs.
Ground Sleeve Weight:	32 lbs.
* Max Flag Size:	5' x 8'
* Max Wind Speed w/Nylon Flag:	168 mph
* Max Wind Speed No Flag:	253 mph
* Wind Speed Specifications from ANSINAAMM FP 1001-07	

NOTE: NOT PART OF THE DSA STRUCTURAL SAFETY APPROVAL (DSA IR A-22)

B 25 FT FLAG POLE

SCALE: NTS



A HANDRAIL AT STEPS

SCALE: NTS

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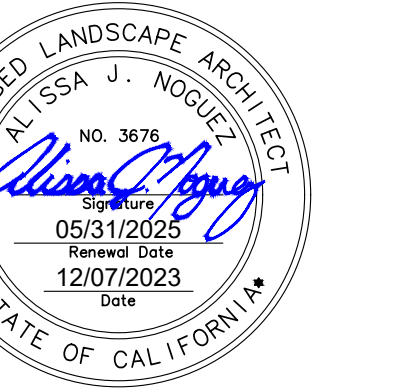
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**CONSTRUCTION
DETAILS**

SHEET

L-56A

ANLA PROJECT NO.

2318

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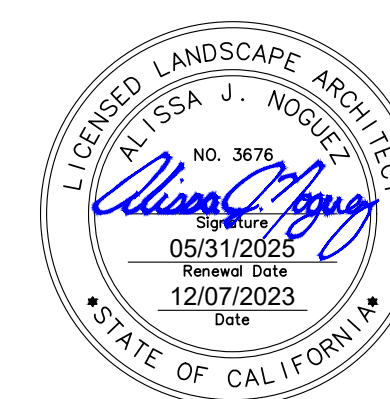
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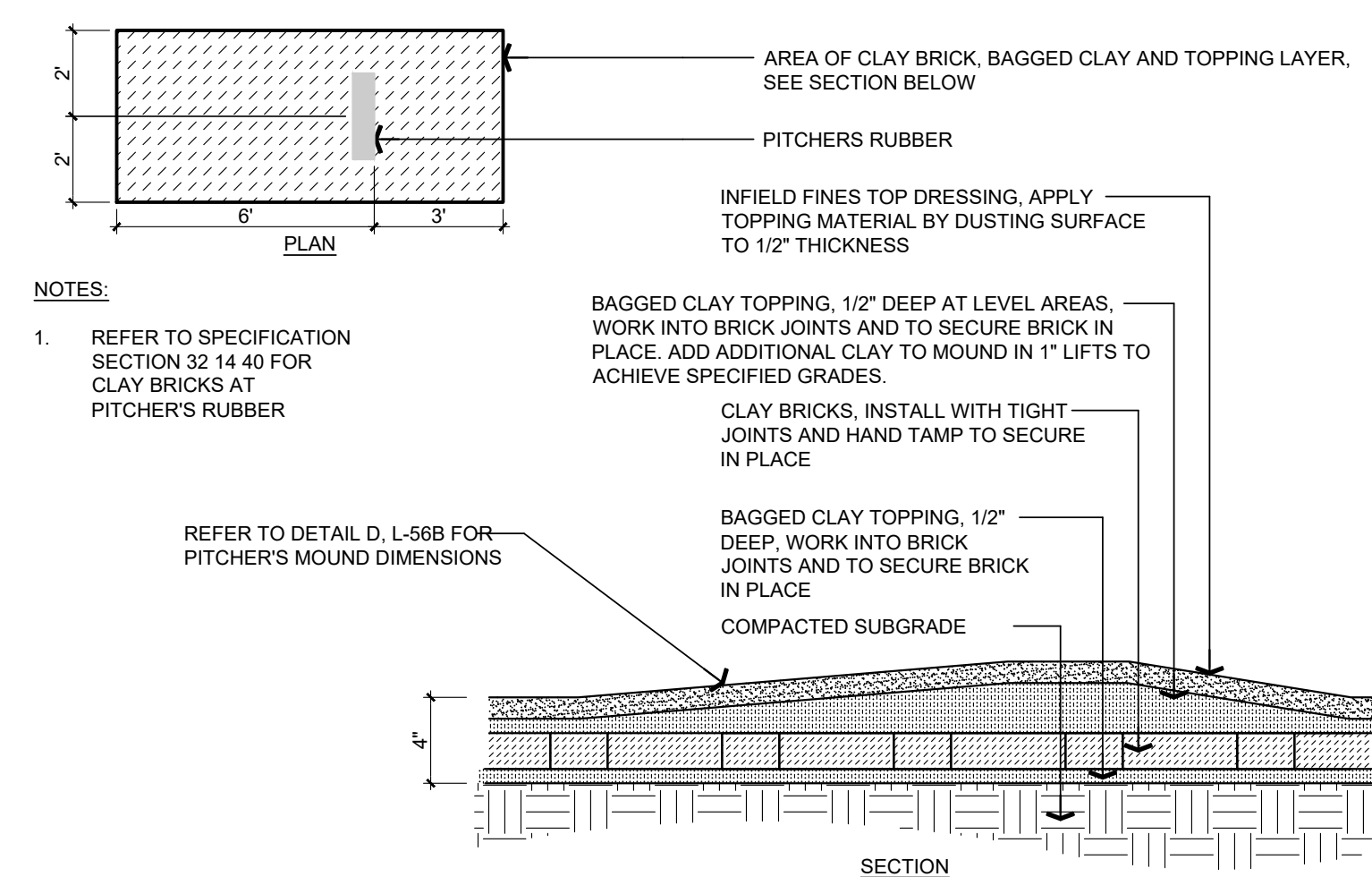
TITLE
CONSTRUCTION
DETAILS

SHEET

L-56B

ANLA PROJECT NO.

2318



NOTES:
1. REFER TO SPECIFICATION SECTION 32 15 40 FOR CLAY BRICKS AT PITCHER'S RUBBER

BAGGED CLAY TOPPING, 1/2" DEEP AT LEVEL AREAS, WORK INTO BRICK JOINTS AND TO SECURE BRICK IN PLACE. ADD ADDITIONAL CLAY TO MOUND IN 1" LIFTS TO ACHIEVE SPECIFIED GRADES.

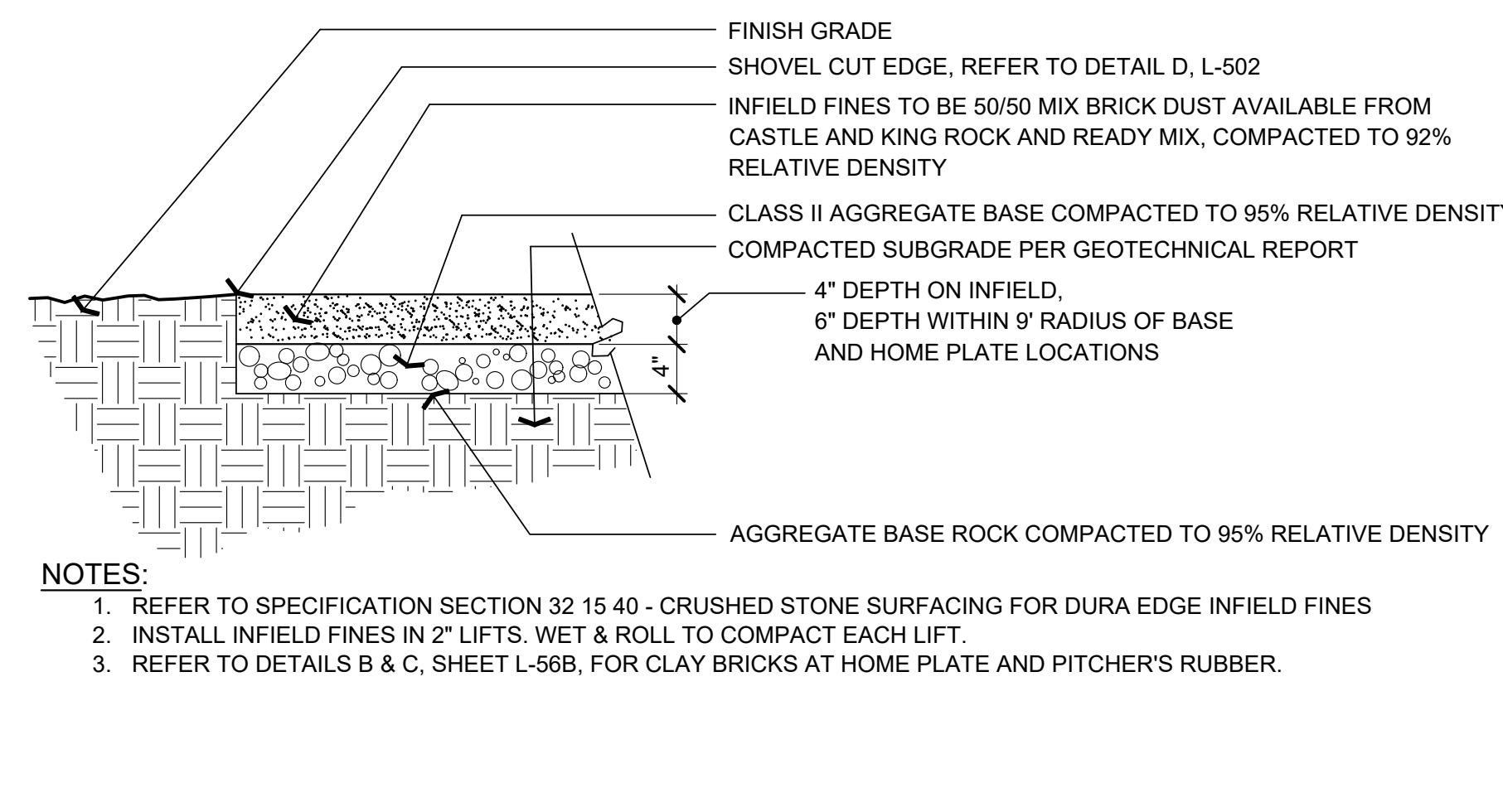
CLAY BRICKS, INSTALL WITH TIGHT JOINTS AND HAND TAMP TO SECURE IN PLACE

BAGGED CLAY TOPPING, 1/2" DEEP, WORK INTO BRICK JOINTS AND TO SECURE BRICK IN PLACE

COMPACTED SUBGRADE

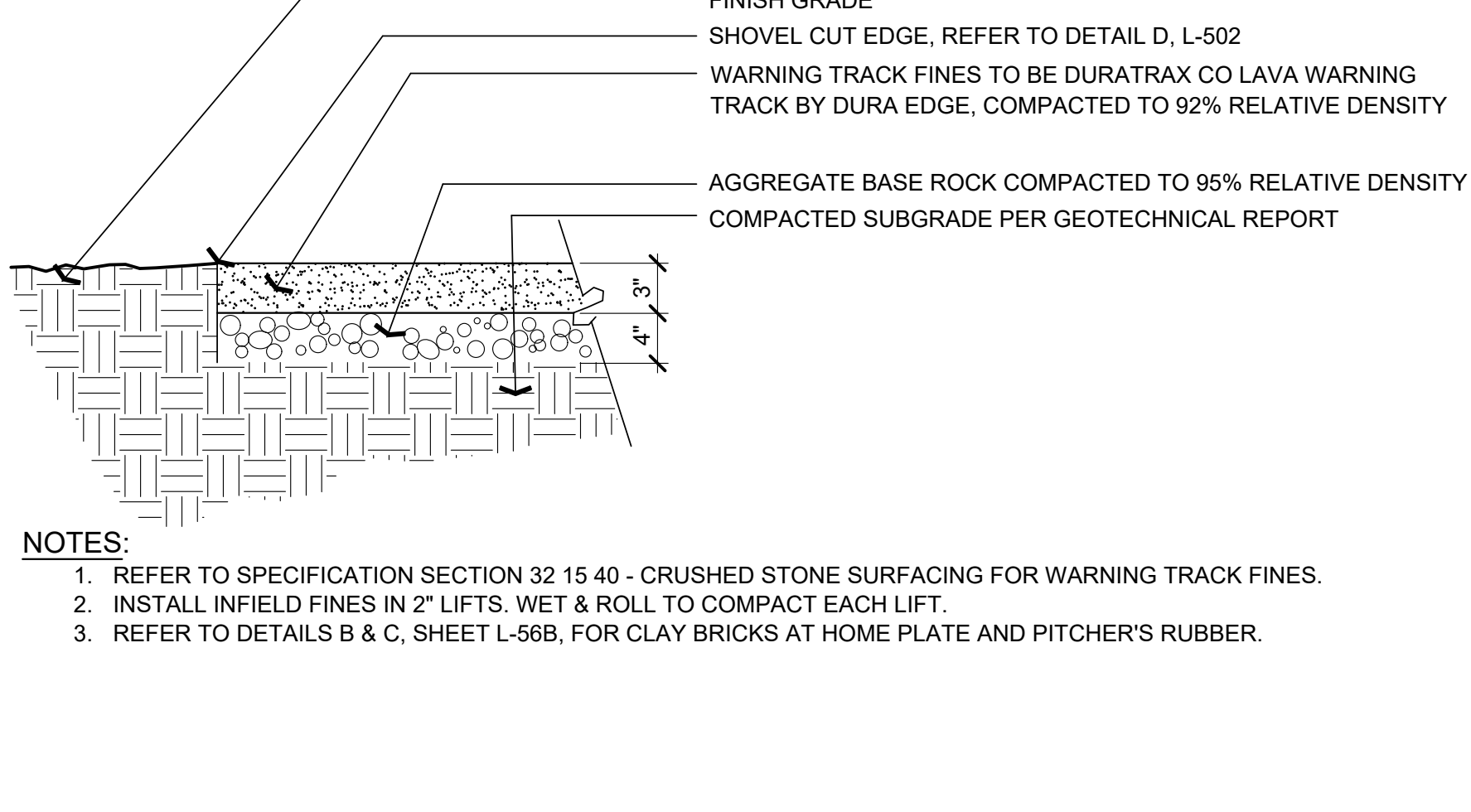
REFER TO DETAIL D, L-56B FOR PITCHER'S MOUND DIMENSIONS

C CLAY BRICKS, PITCHER'S RUBBER SCALE: NTS



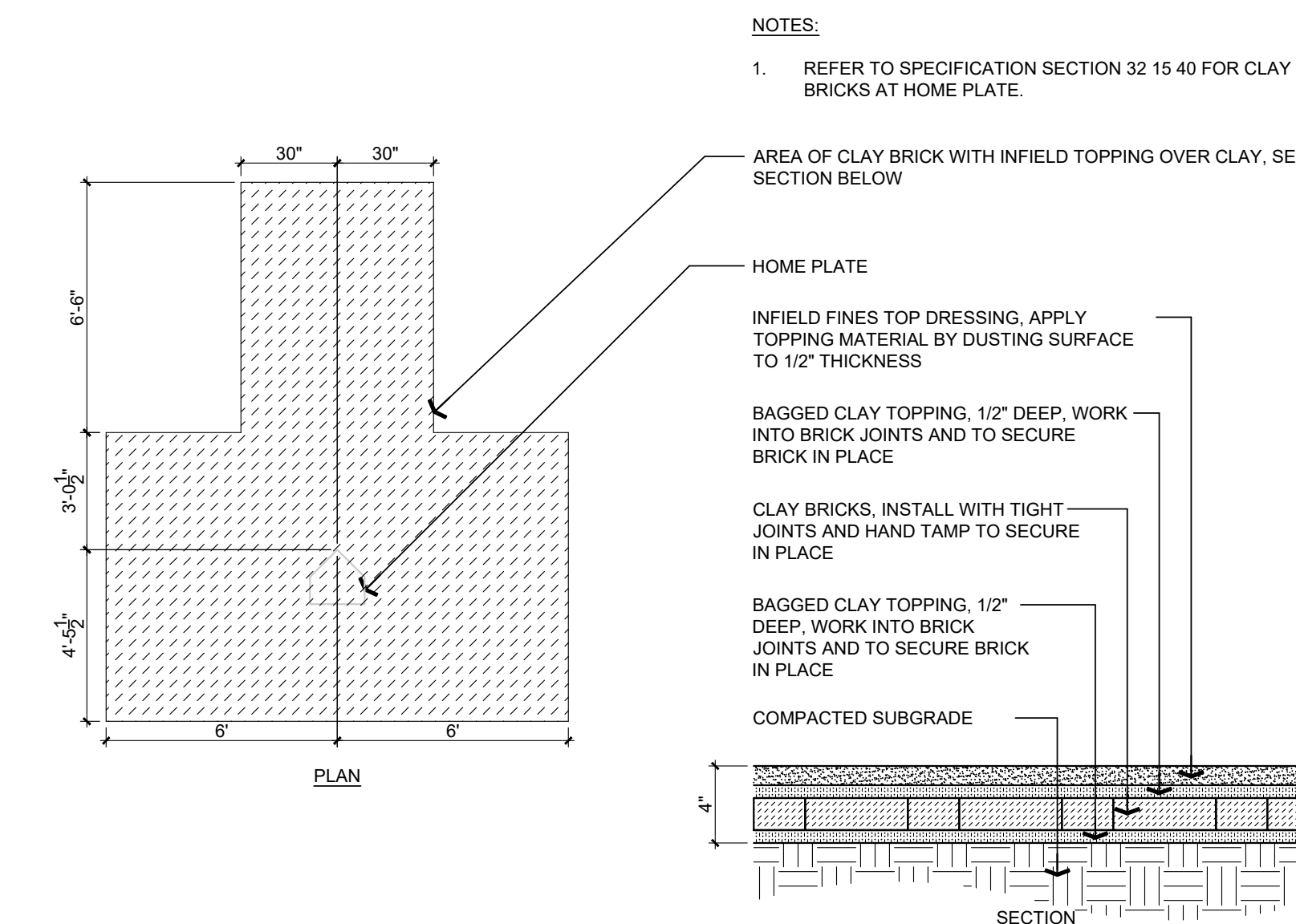
NOTES:
1. REFER TO SPECIFICATION SECTION 32 15 40 - CRUSHED STONE SURFACING FOR DURA EDGE INFELD FINES
2. INSTALL INFELD FINES IN 2\"/>

F INFELD FINES SCALE: NTS



NOTES:
1. REFER TO SPECIFICATION SECTION 32 15 40 - CRUSHED STONE SURFACING FOR WARNING TRACK FINES.
2. INSTALL INFELD FINES IN 2\"/>

I WARNING TRACK FINES SCALE: NTS



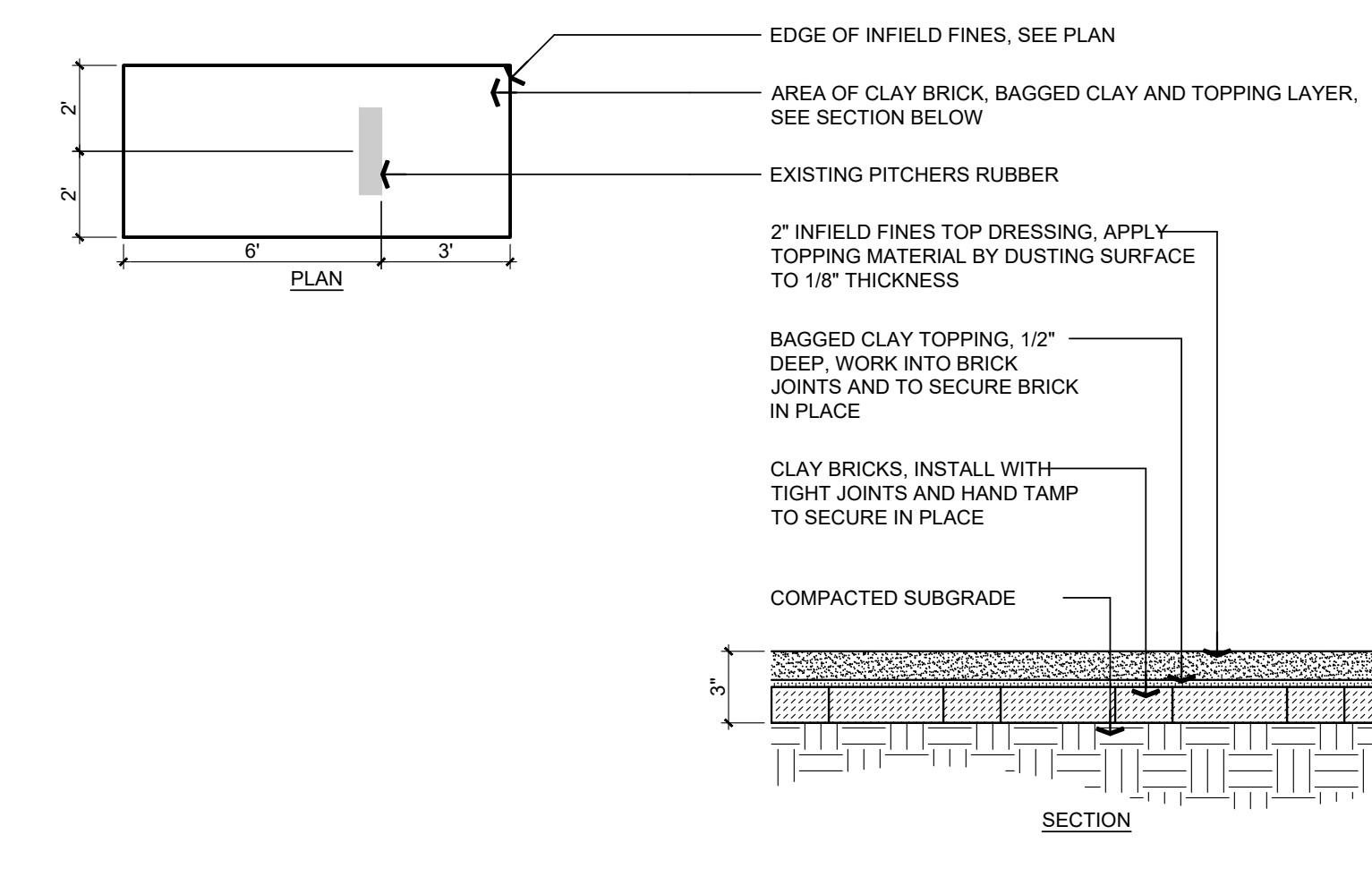
NOTES:
1. REFER TO SPECIFICATION SECTION 32 15 40 FOR CLAY BRICKS AT HOME PLATE.

AREA OF CLAY BRICK WITH INFELD TOPPING OVER CLAY, SEE SECTION BELOW

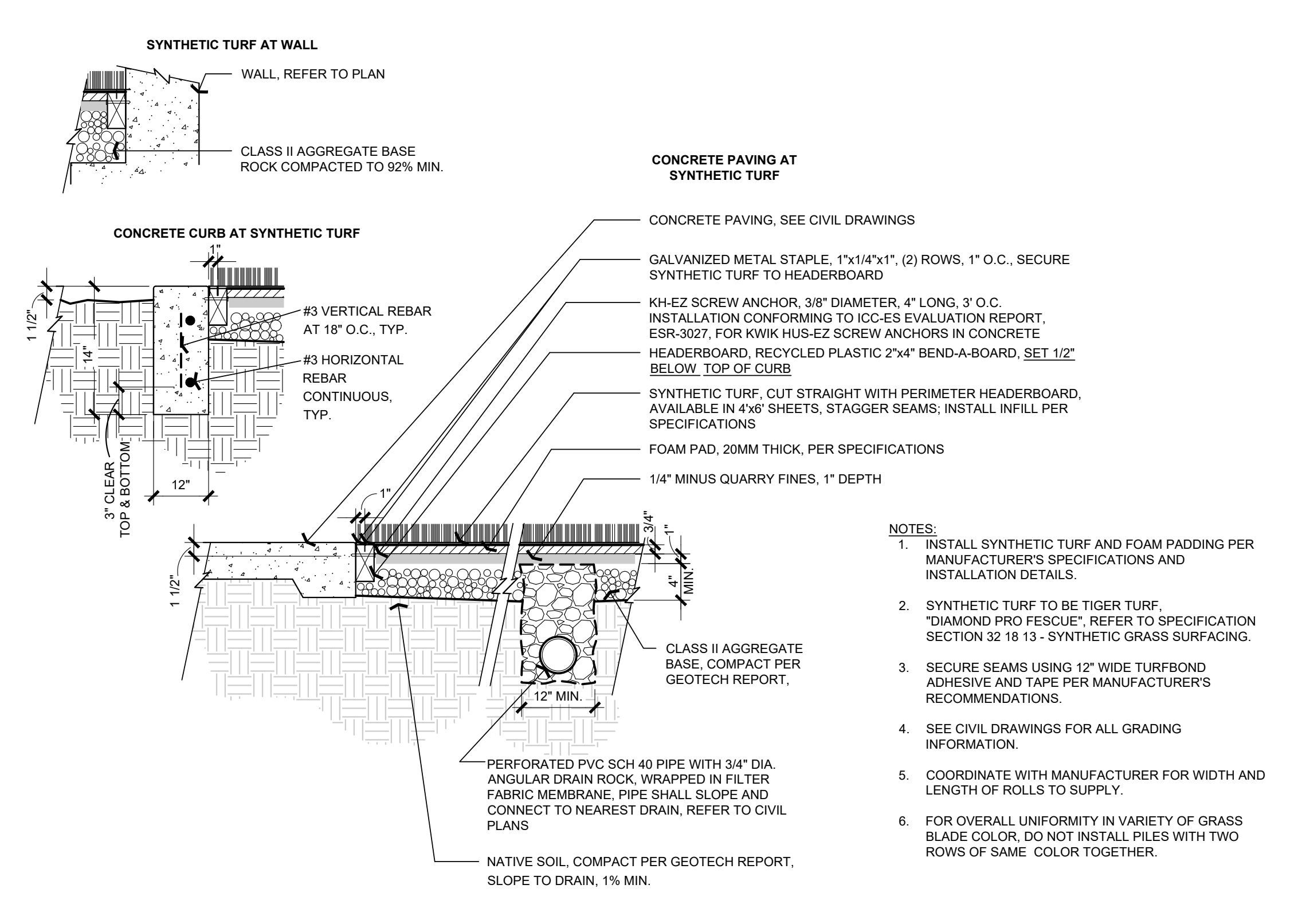
HOME PLATE

INFELD FINES TOP DRESSING, APPLY TOPPING MATERIAL BY DUSTING SURFACE TO 1/2\"/>

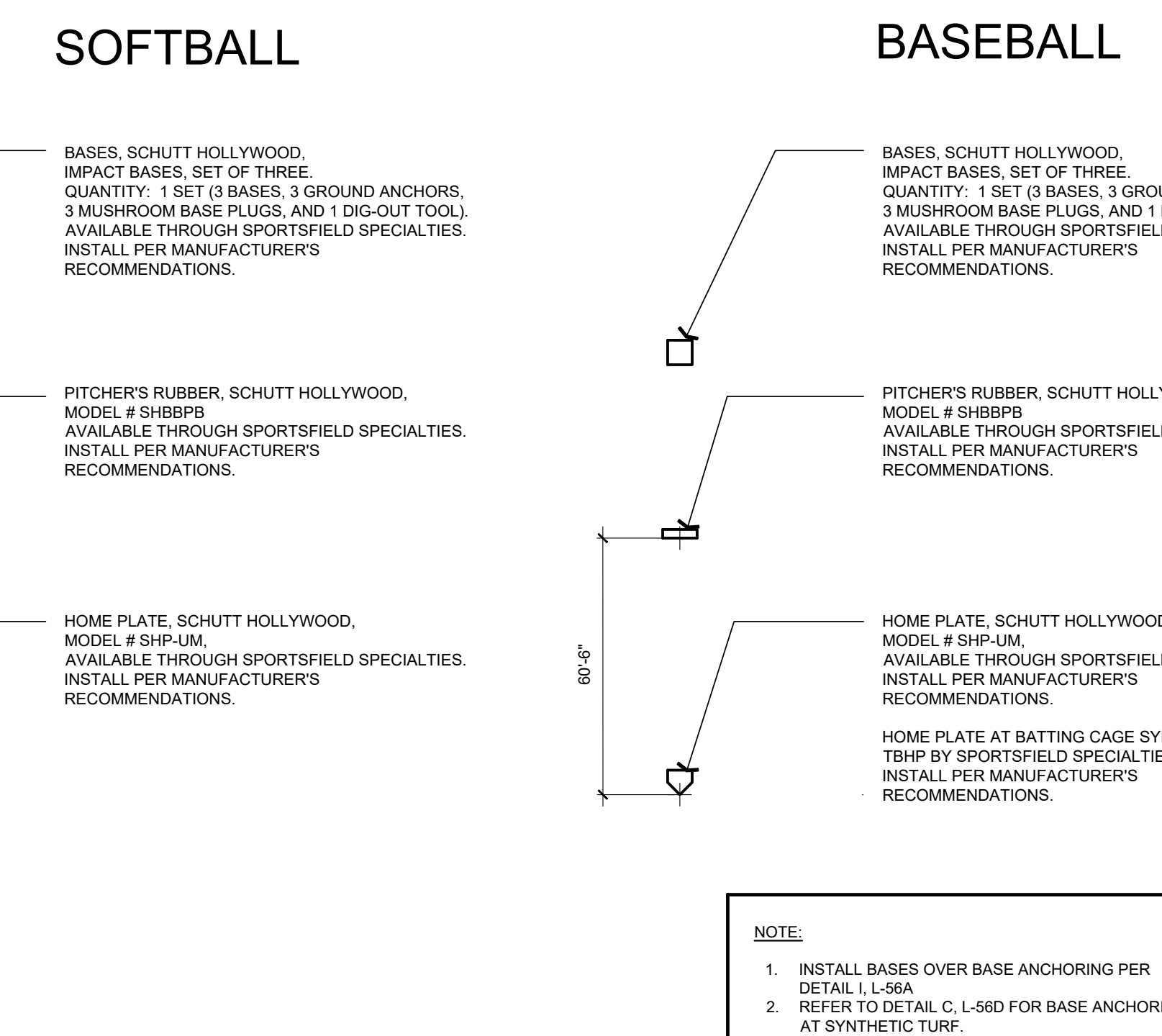
B CLAY BRICKS, HOME PLATE SCALE: NTS



E PITCHER'S AREA, SOFTBALL SCALE: NTS

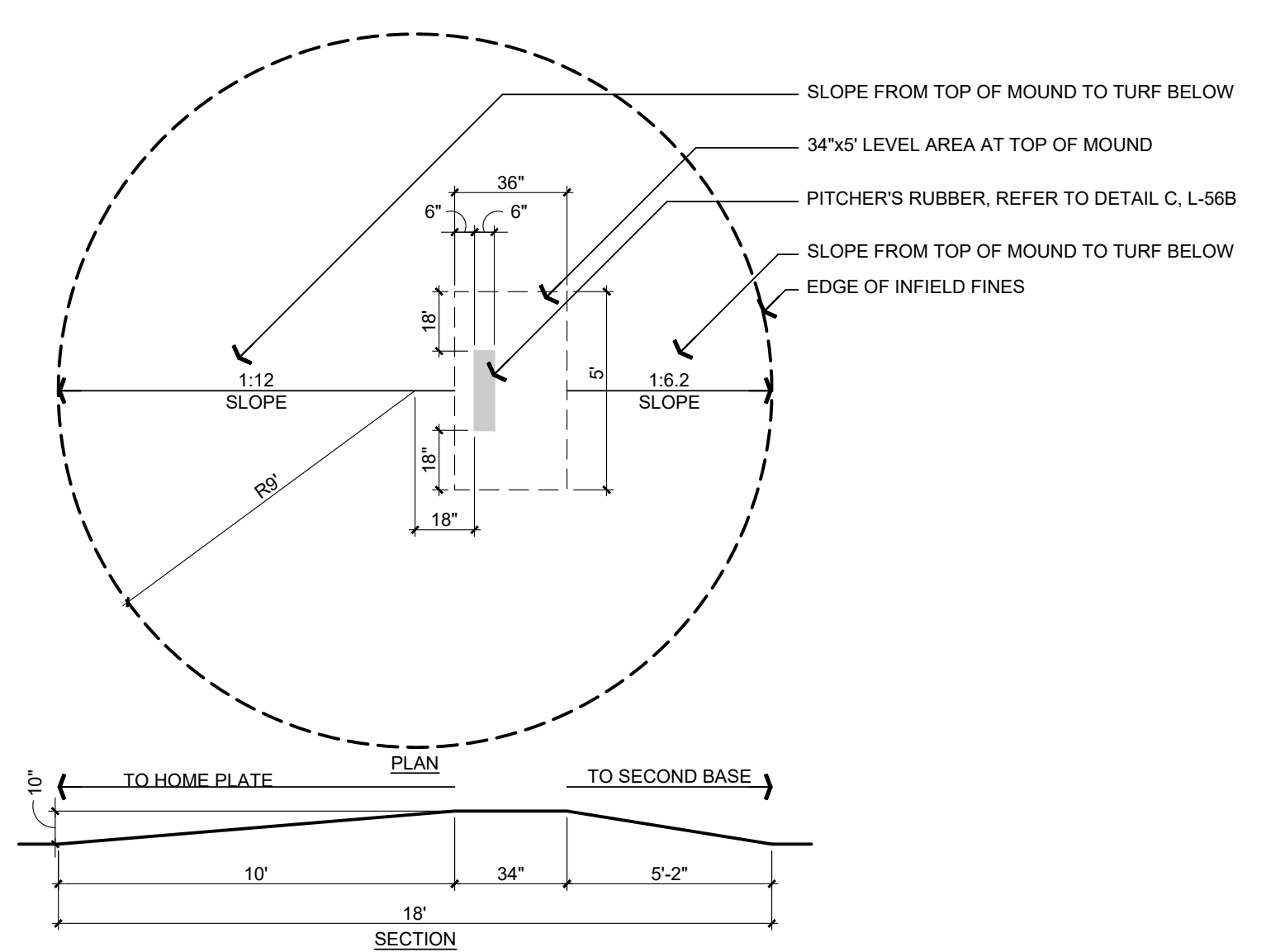


H SYNTHETIC TURF SCALE: NTS

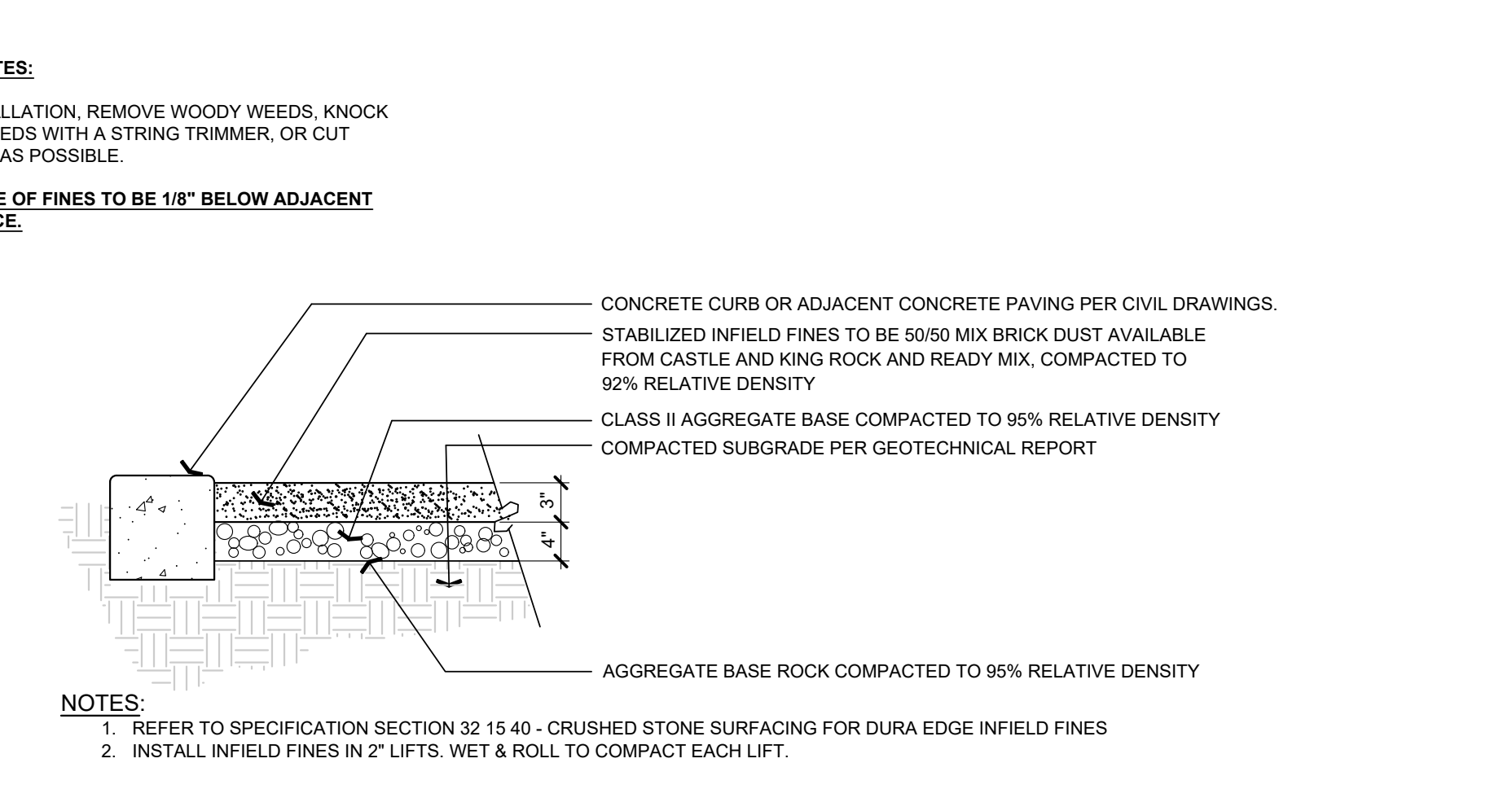


NOTE:
1. INSTALL BASES OVER BASE ANCHORING PER DETAIL L-56A
2. REFER TO DETAIL C, L-56D FOR BASE ANCHORING AT SYNTHETIC TURF.

A BASES, HOME PLATE, PITCHER'S RUBBER SCALE: NTS



D PITCHER'S MOUND SCALE: NTS



G STABILIZED FINES AT PAVING SCALE: NTS

0.18" = 1'-0"

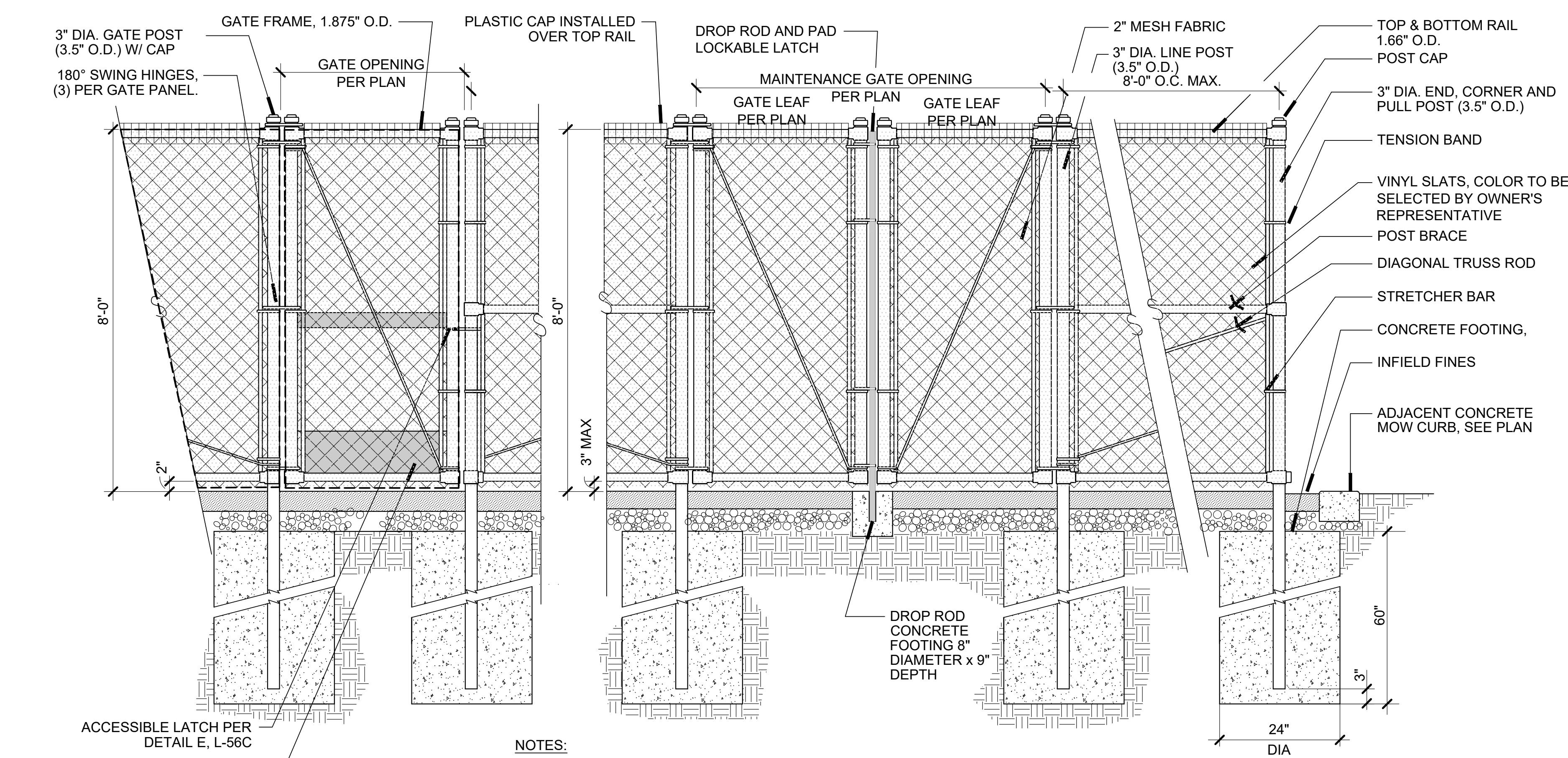
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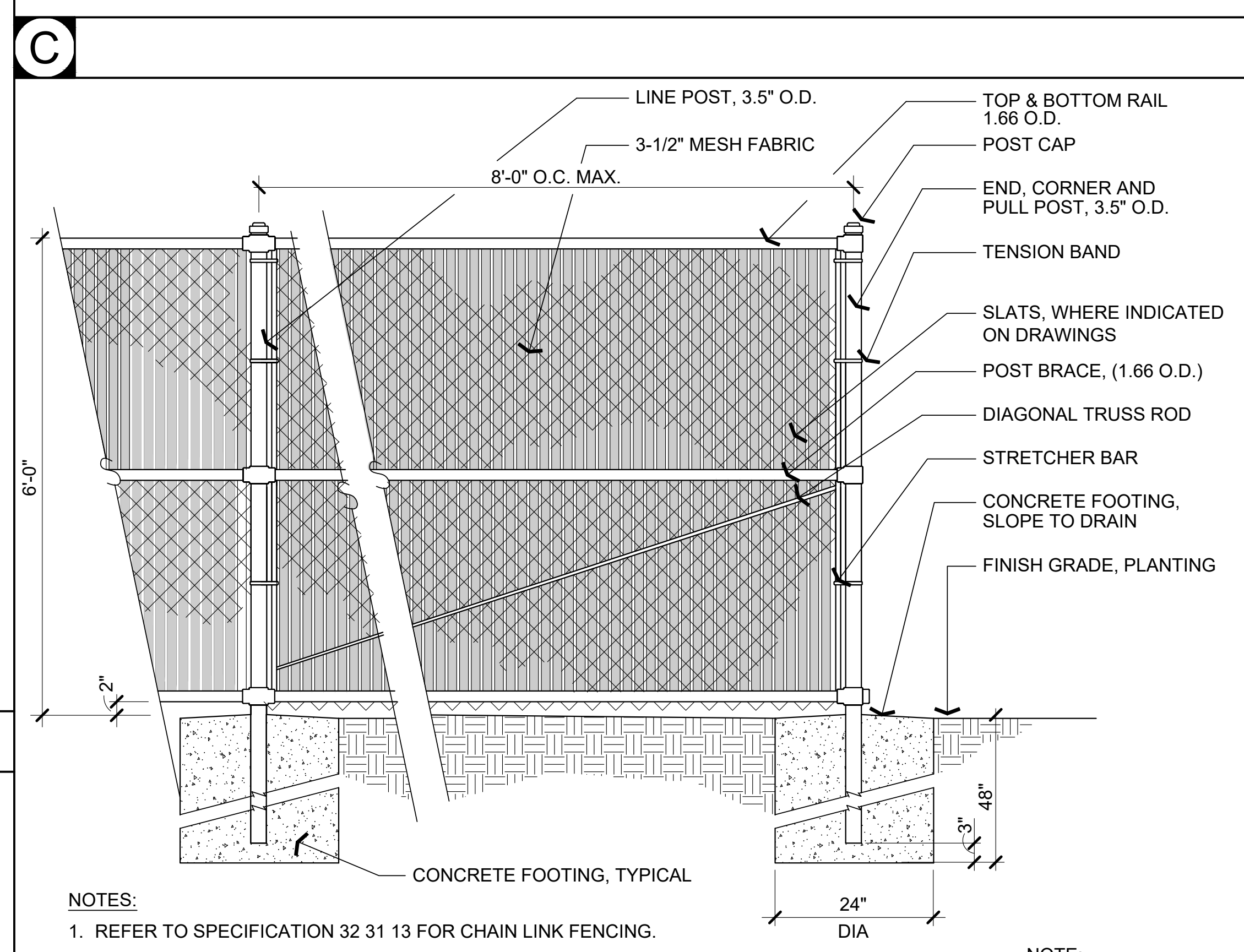


- NOTES:**
- SOLID CLAD FENCING IS NOT PART OF THE DSA STRUCTURAL SAFETY APPROVAL (DSA IR A-22).
 - REFER TO SPECIFICATION 32 31 13 FOR CHAIN LINK FENCING.
 - ALL CHAIN LINK FENCE MATERIAL SHALL BE GALVANIZED.
 - REFER TO DETAIL E, L-56C FOR ACCESSIBLE GATE LATCH.
 - WHERE GATES OCCUR WITHIN THE PATH OF TRAVEL, GATES SHALL COMPLY WITH EXIT DOOR REQUIREMENTS (SECTION 1003.3.1).
 - INSTALL AER-FLO PLASTIC CAP PN TOP RAIL, COLOR TO BE YELLOW. SECURE IN PLACE PER MANUFACTURER'S RECOMMENDATIONS.
 - ALL EXPOSED CHAIN LINK FENCING MATERIAL TO BE PVC COATED. COLOR TO BE SELECTED BY OWNER'S REPRESENTATIVE.

ACCESSIBLE LATCH PER DETAIL E, L-56C
10" HIGH KICK PLATE AT ALL ACCESSIBLE GATES (BOTH SIDES)

SCALE: NTS

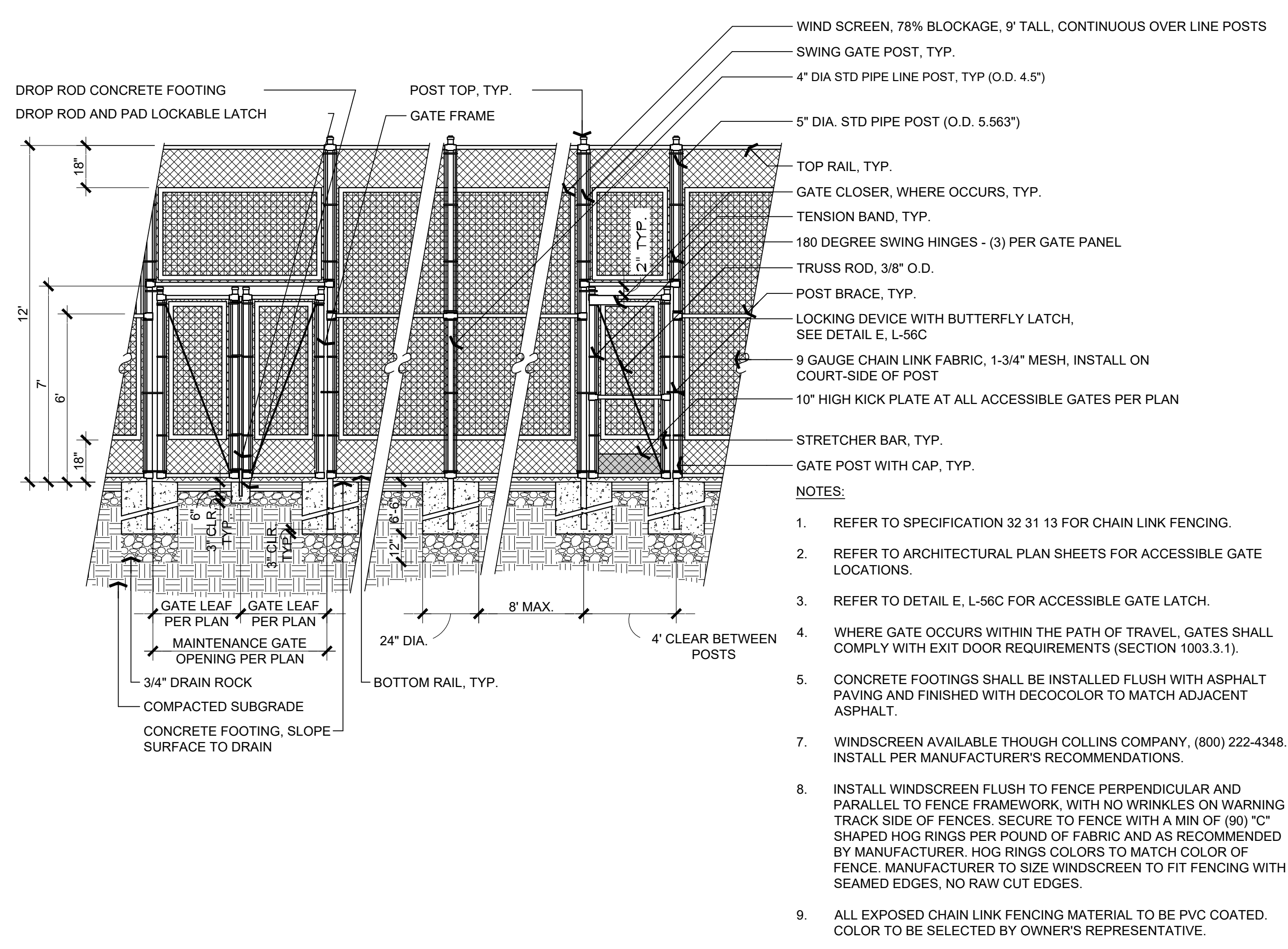
F CHAIN LINK FENCE, 8' HIGH



- NOTES:**
- REFER TO SPECIFICATION 32 31 13 FOR CHAIN LINK FENCING.
 - ALL EXPOSED CHAIN LINK FENCING MATERIAL TO BE PVC COATED. COLOR TO BE SELECTED BY OWNER'S REPRESENTATIVE.
 - ACCESSIBLE LATCH PER DETAIL E, L-56C.
- NOTE:**
NOT PART OF THE DSA STRUCTURAL SAFETY APPROVAL (DSA IR A-22)

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B CHAIN LINK FENCE, 6' HIGH



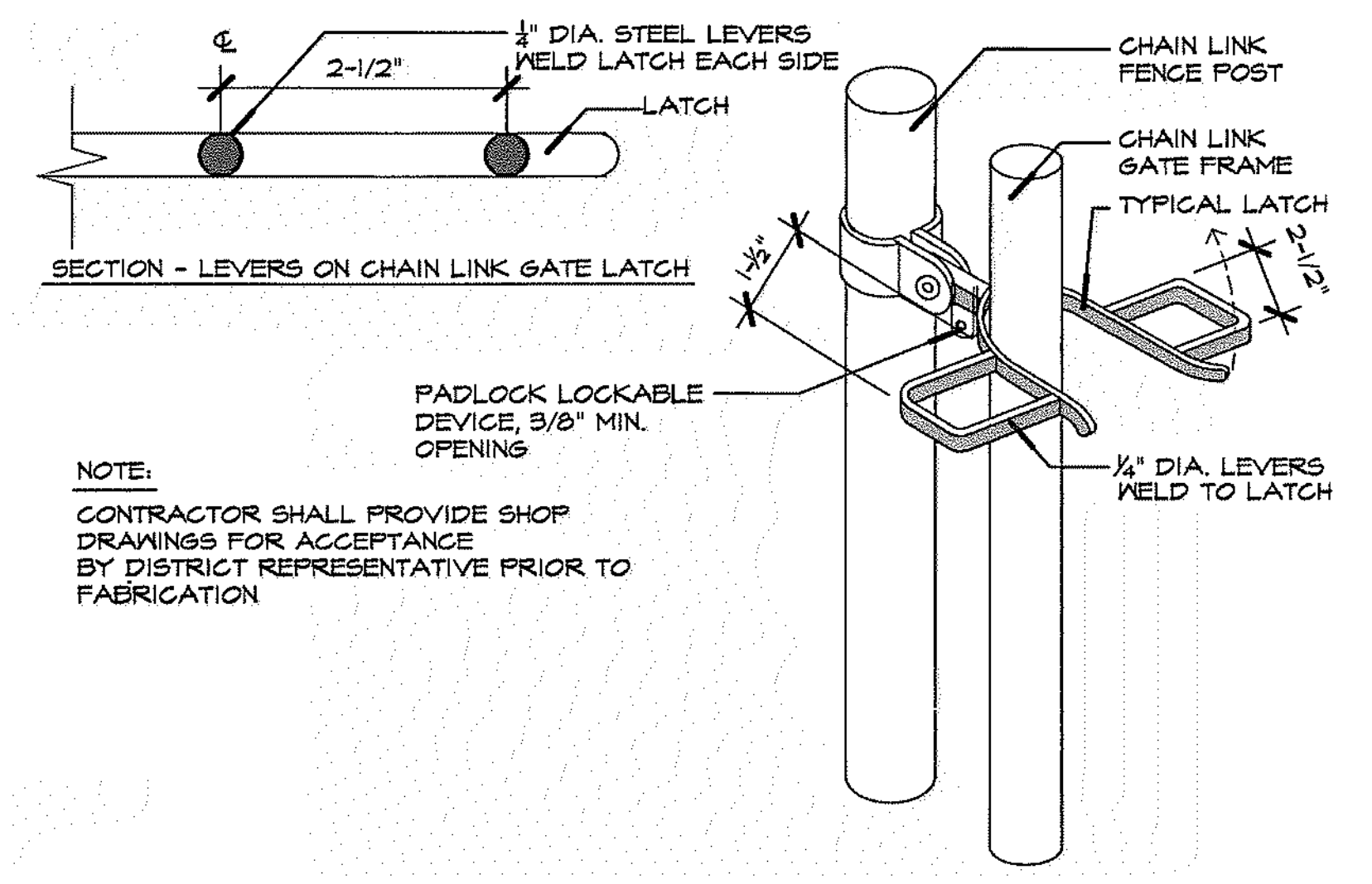
- NOTES:**
- REFER TO SPECIFICATION 32 31 13 FOR CHAIN LINK FENCING.
 - REFER TO ARCHITECTURAL PLAN SHEETS FOR ACCESSIBLE GATE LOCATIONS.
 - REFER TO DETAIL E, L-56C FOR ACCESSIBLE GATE LATCH.
 - WHERE GATE OCCURS WITHIN THE PATH OF TRAVEL, GATES SHALL COMPLY WITH EXIT DOOR REQUIREMENTS (SECTION 1003.3.1).
 - CONCRETE FOOTINGS SHALL BE INSTALLED FLUSH WITH ASPHALT PAVING AND FINISHED WITH DECCOLOR TO MATCH ADJACENT ASPHALT.
 - WINDSCREEN AVAILABLE THROUGH COLLINS COMPANY, (800) 222-4348. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 - INSTALL WINDSCREEN FLUSH TO FENCE PERPENDICULAR AND PARALLEL TO FENCE FRAMEWORK, WITH NO WRINKLES ON WARNING TRACK SIDE OF FENCES. SECURE TO FENCE WITH A MIN OF (90) "C" SHAPED HOG RINGS PER POUND OF FABRIC AND AS RECOMMENDED BY MANUFACTURER. HOG RINGS COLORS TO MATCH COLOR OF FENCE. MANUFACTURER TO SIZE WINDSCREEN TO FIT FENCING WITH SEAMED EDGES, NO RAW CUT EDGES.
 - ALL EXPOSED CHAIN LINK FENCING MATERIAL TO BE PVC COATED. COLOR TO BE SELECTED BY OWNER'S REPRESENTATIVE.

SCALE: NTS

D CHAIN LINK FENCE, 12'

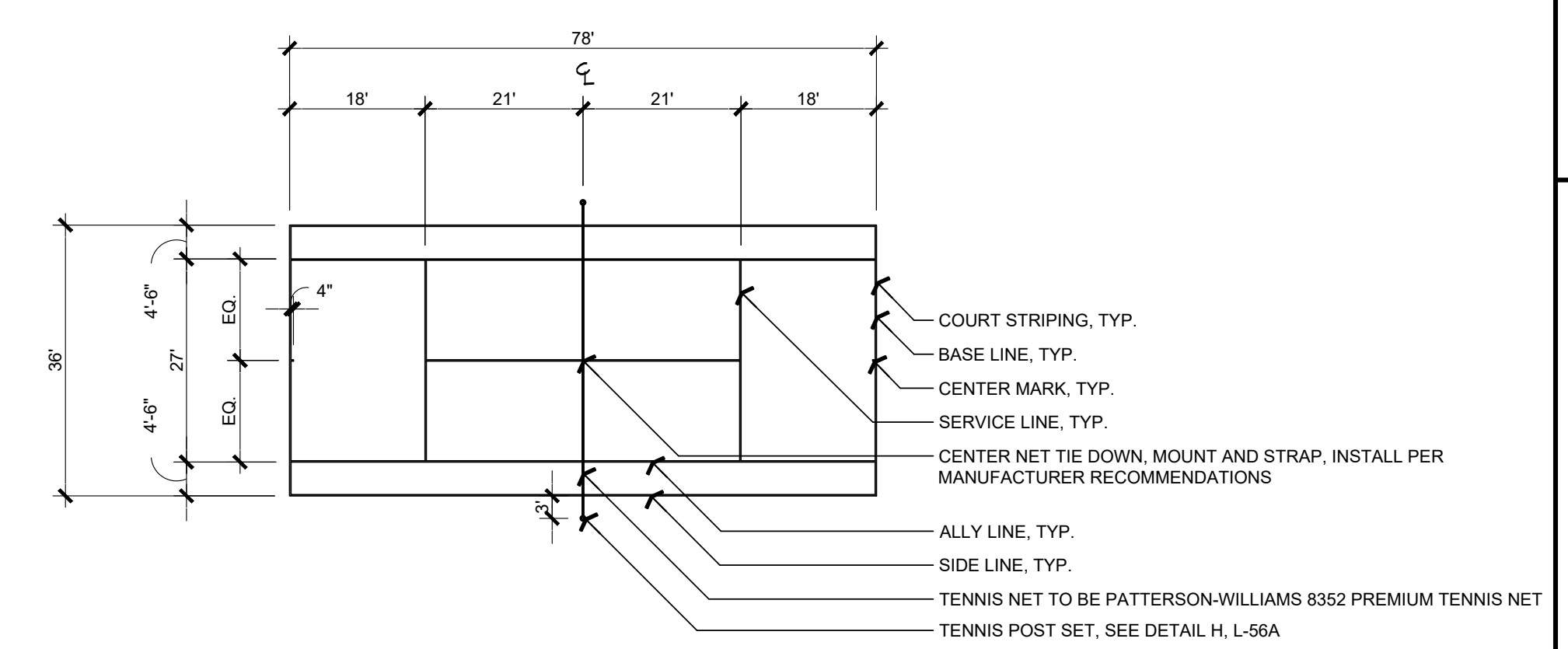
SCALE: NTS

E CHAIN LINK BUTTERFLY LATCH



SCALE: NTS

A TENNIS COURT



- NOTES:**
- AREA BETWEEN COURT AND EDGE OF ASPHALT PAVING TO BE FINISHED IN DECCOLOR "FOREST GREEN" BY DECOTURF, REFER TO SPECIFICATIONS.
 - ALL TENNIS COURT STRIPING TO BE 2" WIDE WHITE DECCOLOR FINISH BY DECOTURF PER SPECIFICATION 32 12 33.1.
 - COURT FIELD OF PLAY TO BE PAINTED "ROYAL BLUE," REFER TO SPECIFICATIONS 32 12 33.1.
 - TENNIS NET TO BE INSTALLED BY CONTRACTOR FOR SUBSTANTIAL COMPLETION REVIEW.
 - CENTER NET TIE DOWN KIT BY PATTERSON WILLIAMS, GROUND ANCHOR MODEL #8371-20, TIE DOWN STRAP MODEL #8371-30. AVAILABLE THROUGH DAVID F. O'KEEFE COMPANY, (510) 558-0140.

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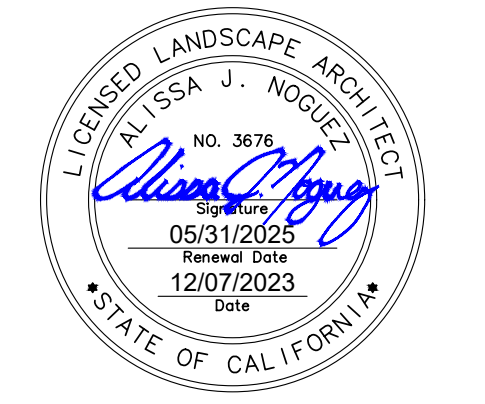
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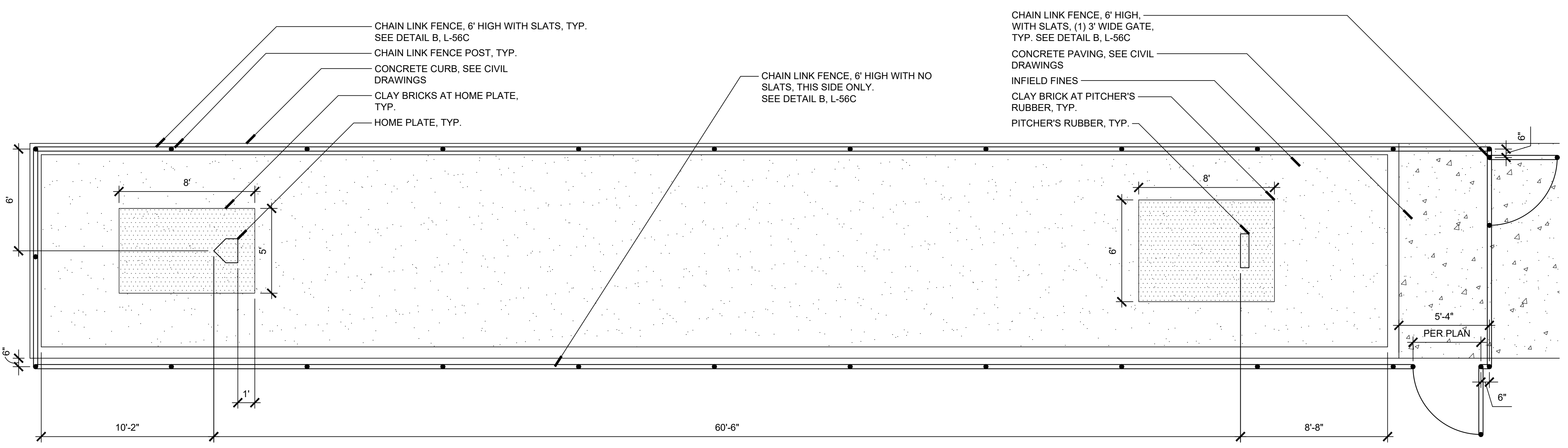
TITLE
**CONSTRUCTION
DETAILS**

SHEET
L-56C

ANLA PROJECT NO. 2318

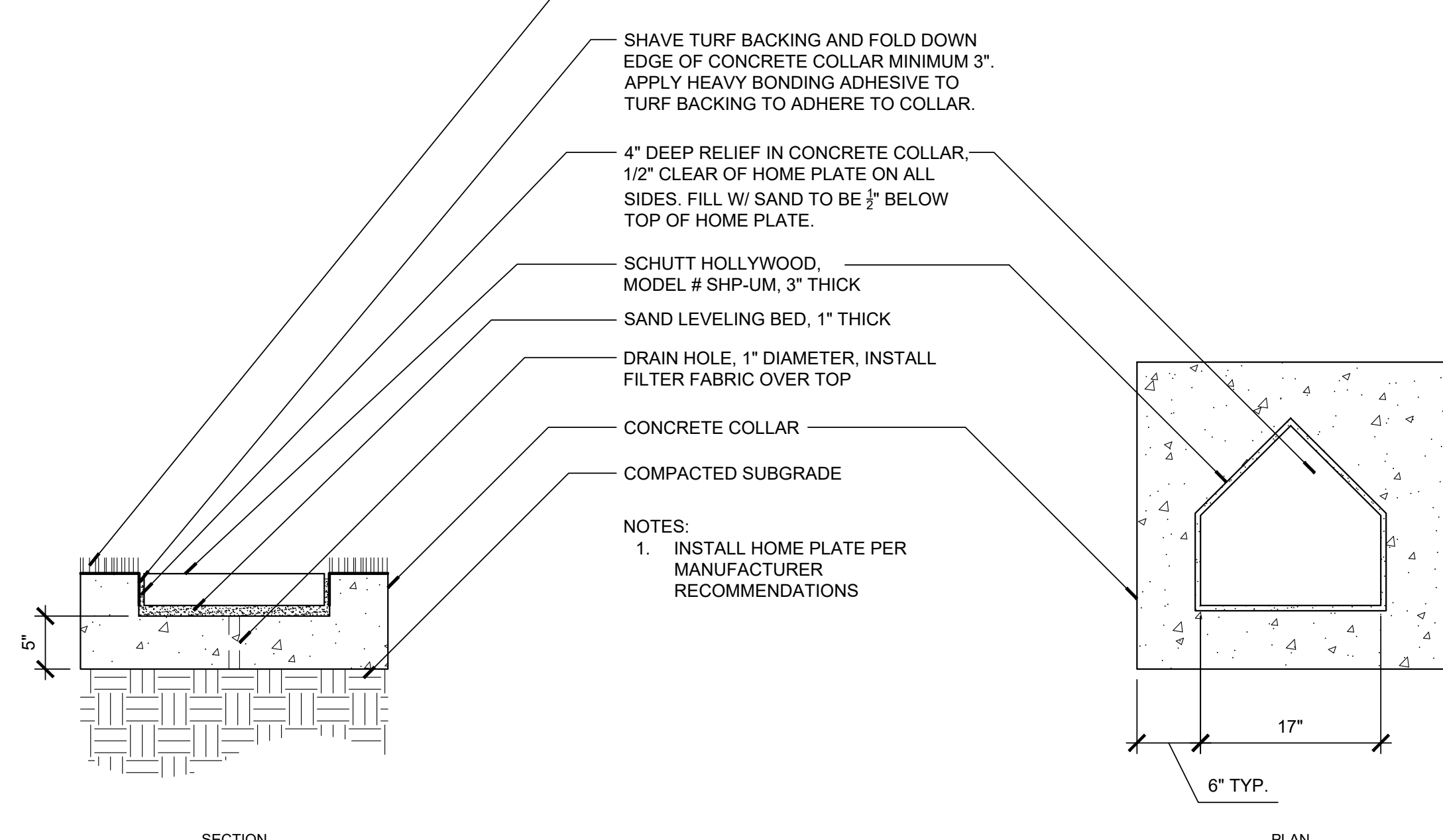
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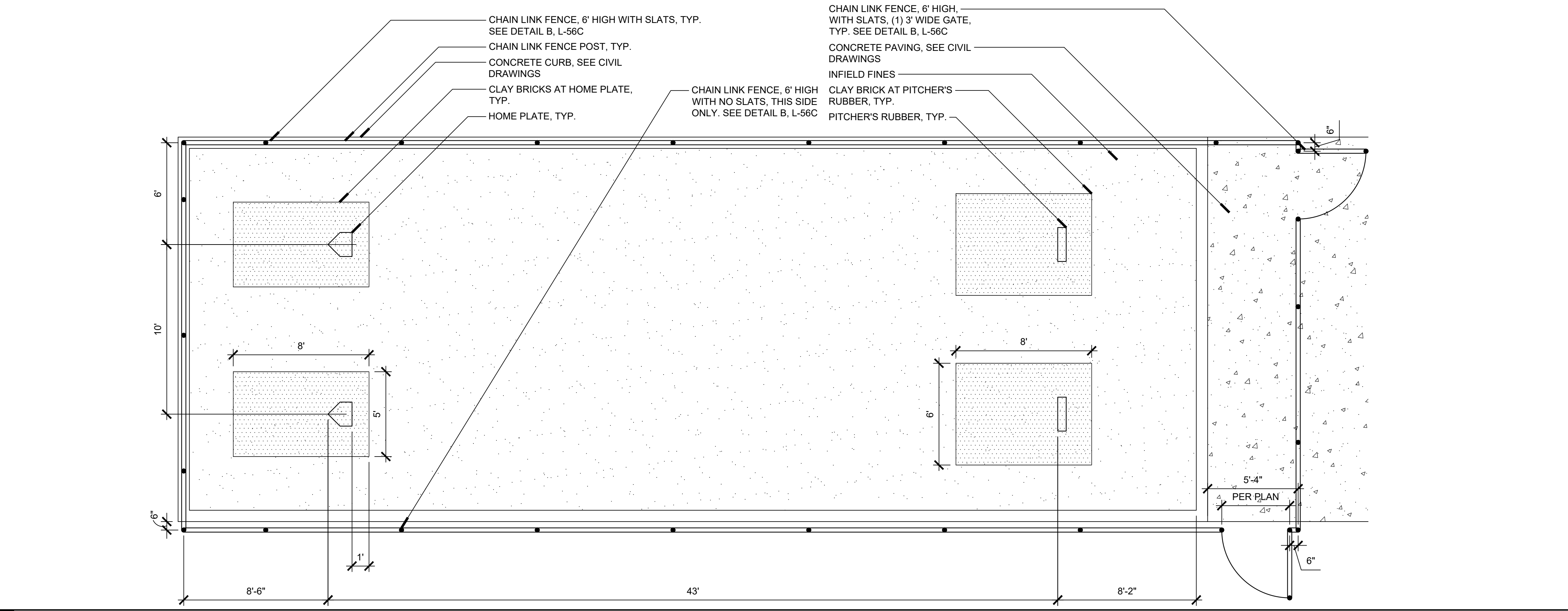
F BASEBALL BULLPEN, SINGLE

SCALE: NTS



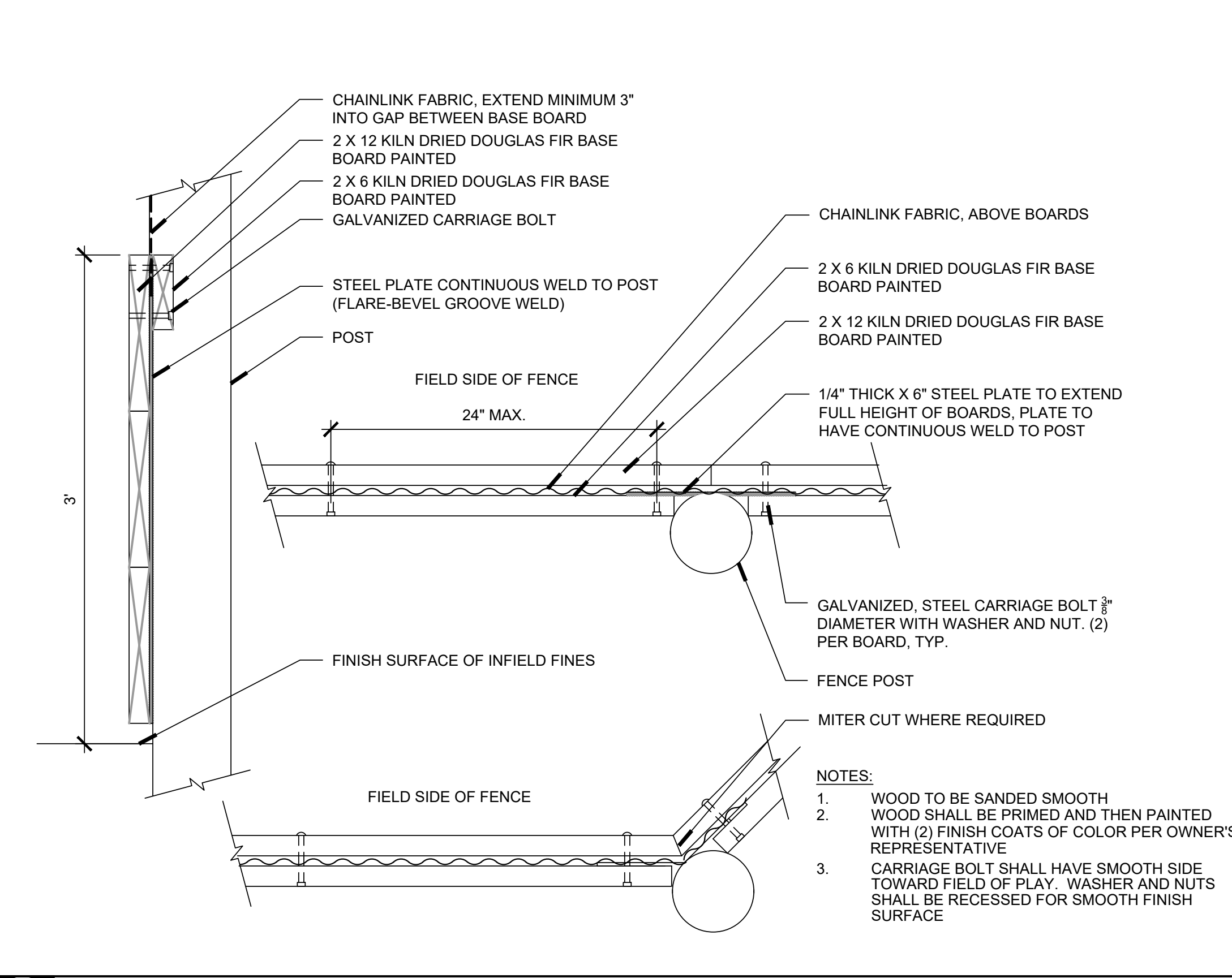
C HOME PLATE AT SYNTHETIC TURF

SCALE: NTS



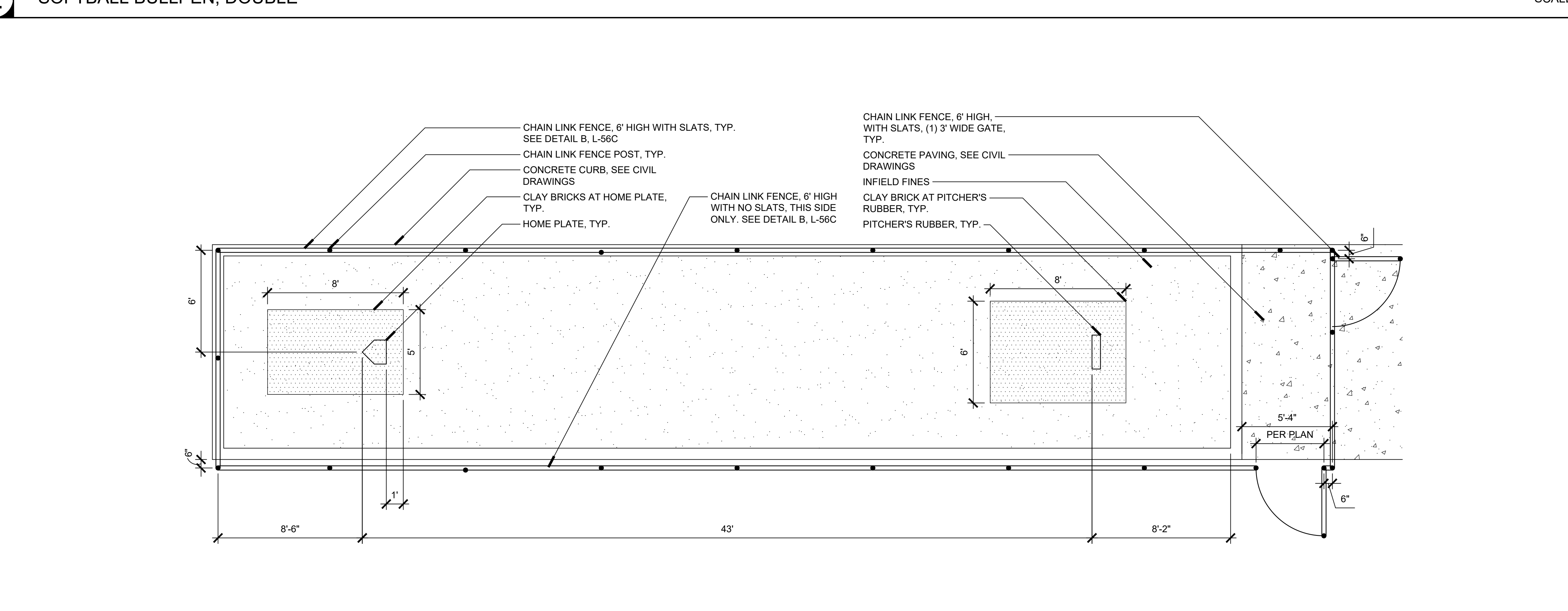
E SOFTBALL BULLPEN, DOUBLE

SCALE: NTS



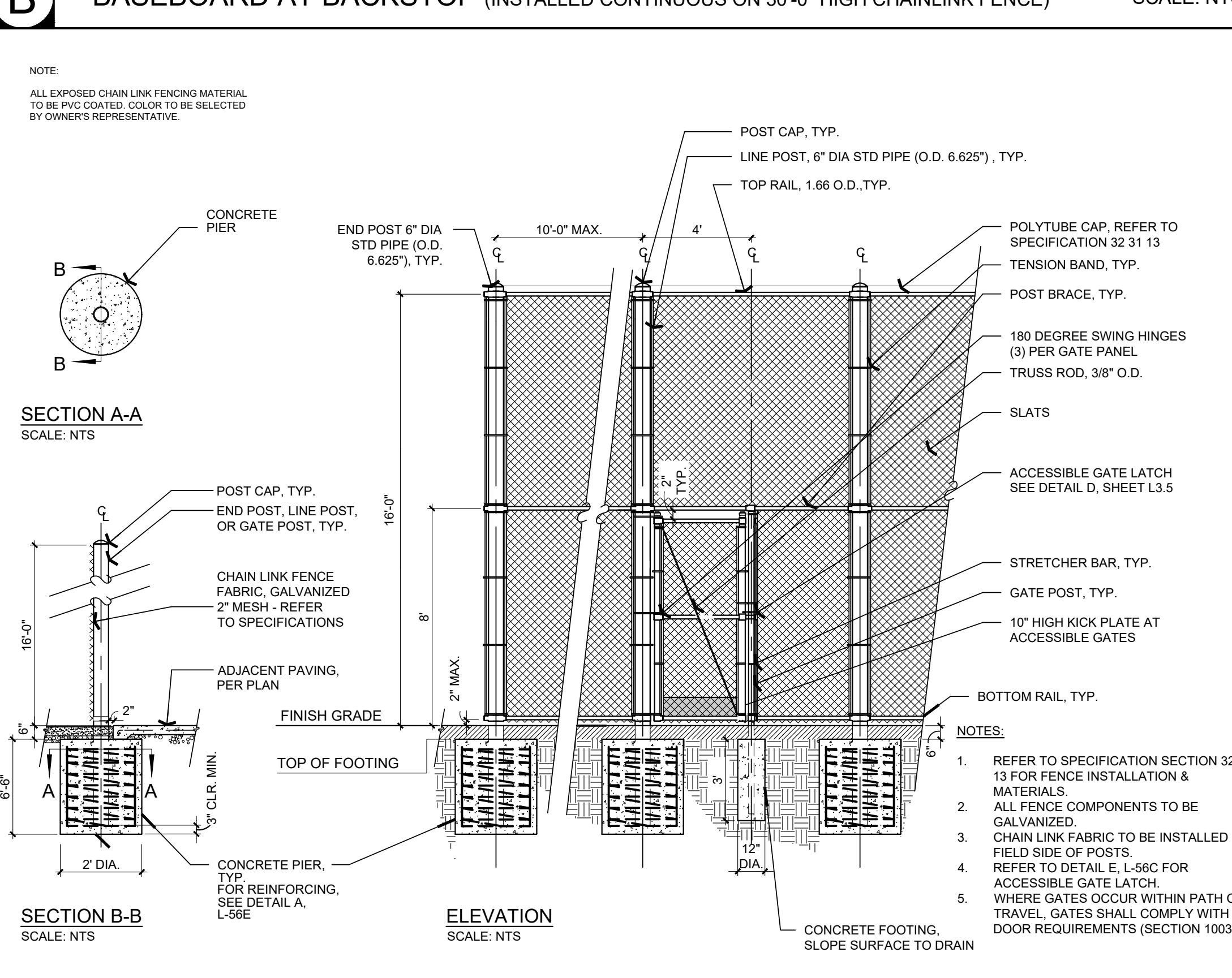
B BASEBOARD AT BACKSTOP (INSTALLED CONTINUOUS ON 30'-0" HIGH CHAINLINK FENCE)

SCALE: NTS



D SOFTBALL BULLPEN, SINGLE

SCALE: NTS



A CHAIN LINK FENCE, 16'

SCALE: NTS

IDENTIFICATION STAMP
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 APP: 02-121593 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 12/18/2023

LIONAKIS

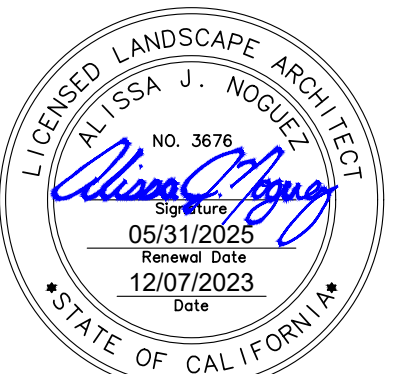
2025 Nineteenth Street
 Sacramento CA 95818
 P 916.558.1900
 www.lionakis.com

CONSULTANT



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 San Jose, CA 95125
 T. 408.292.2196
 www.anla-associates.com

SEAL



PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS REPLACEMENT**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
-	08.10.2023	DSA INITIAL SUBMITAL
-	12.07.2023	DSA BACKCHECK

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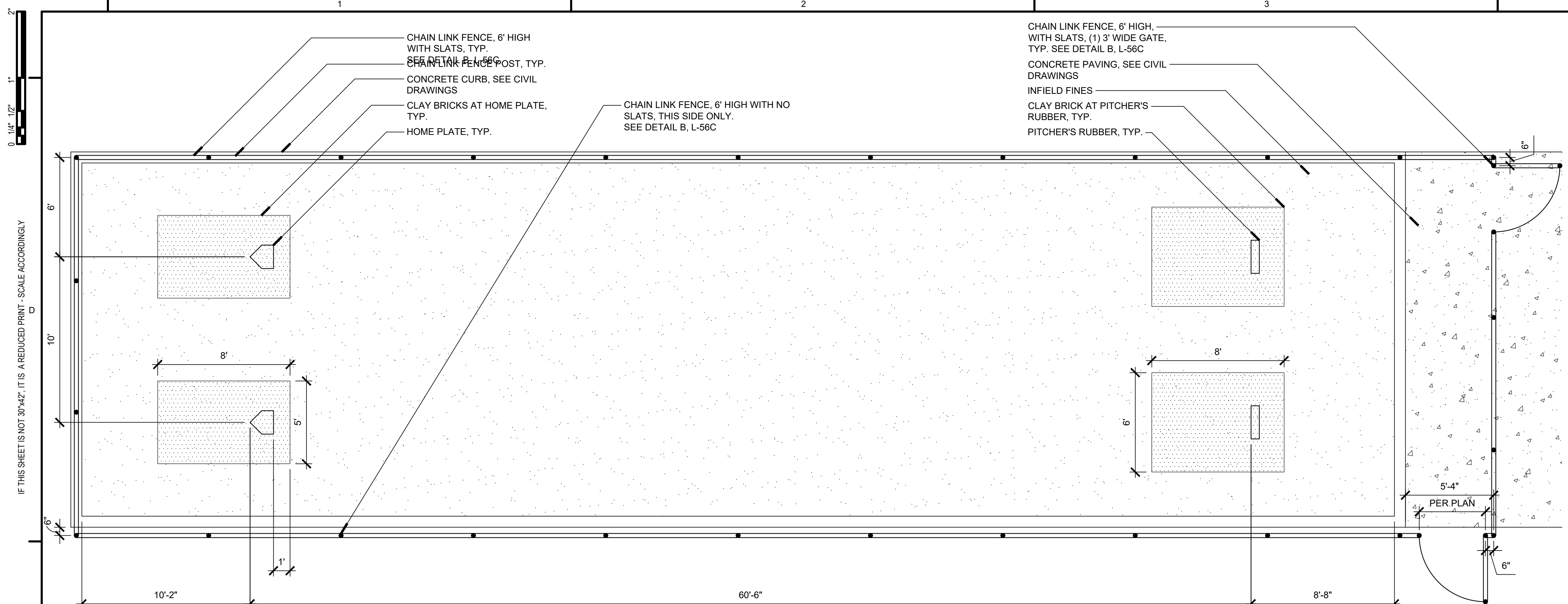
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**CONSTRUCTION
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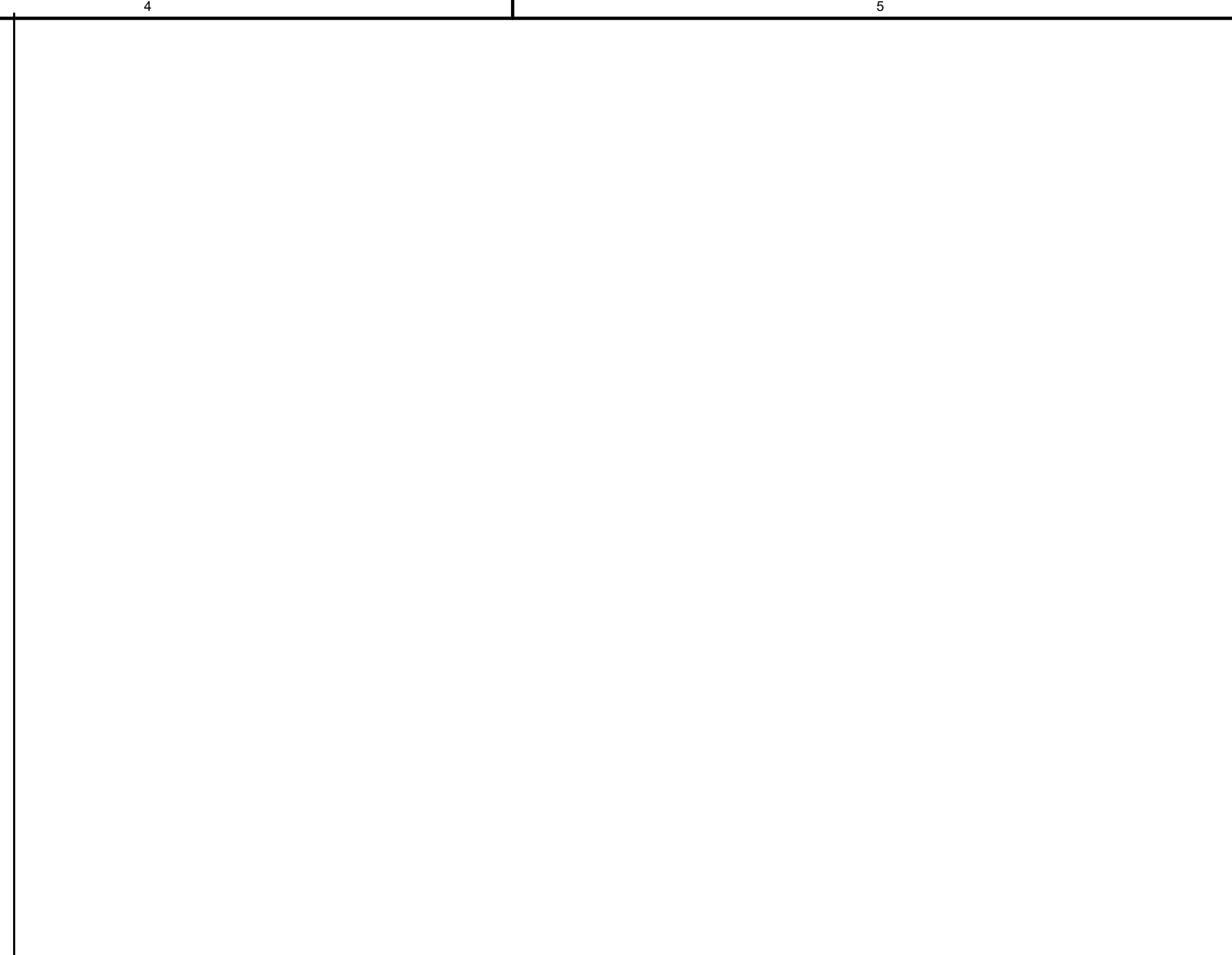
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L-56D

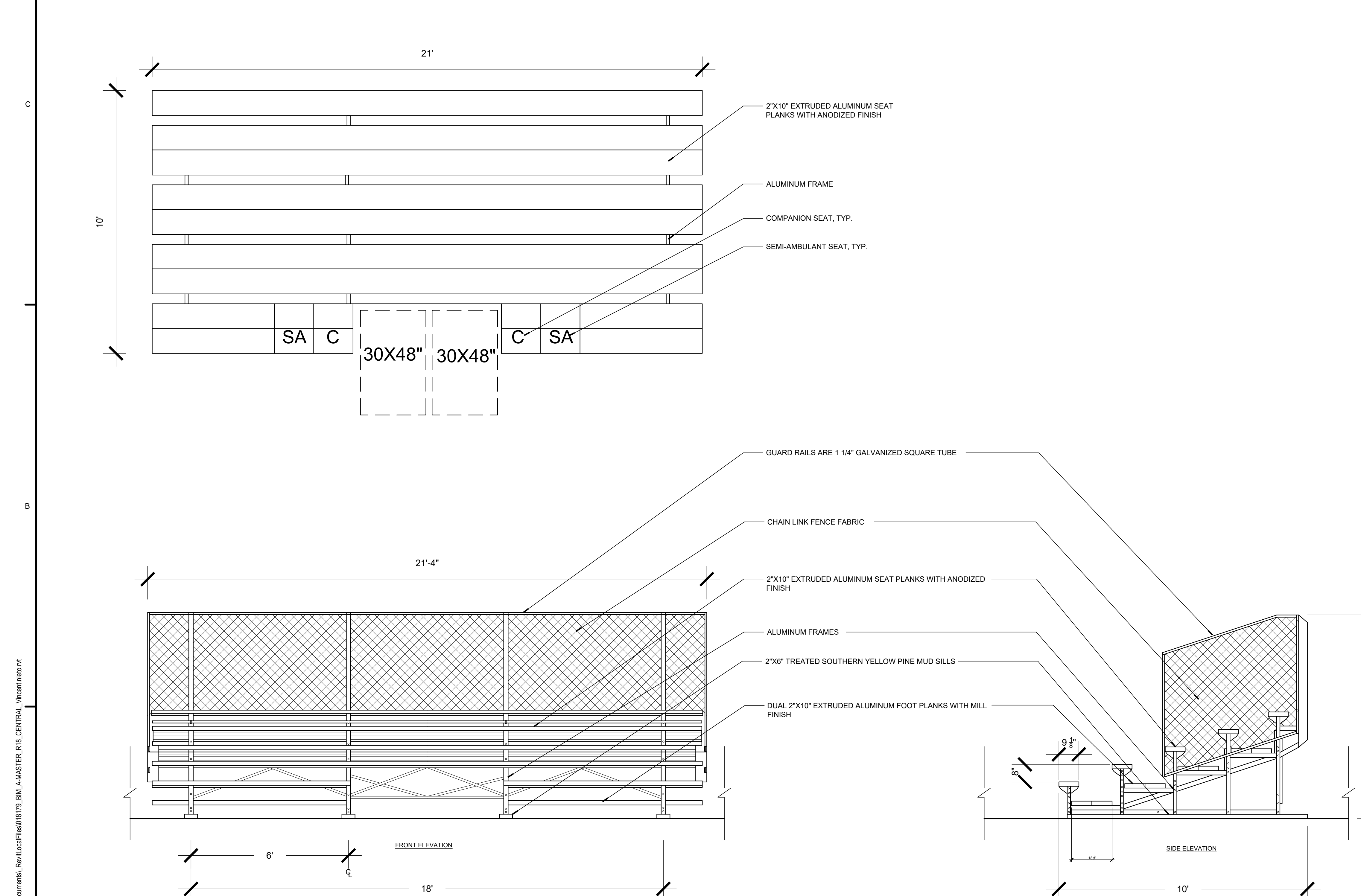
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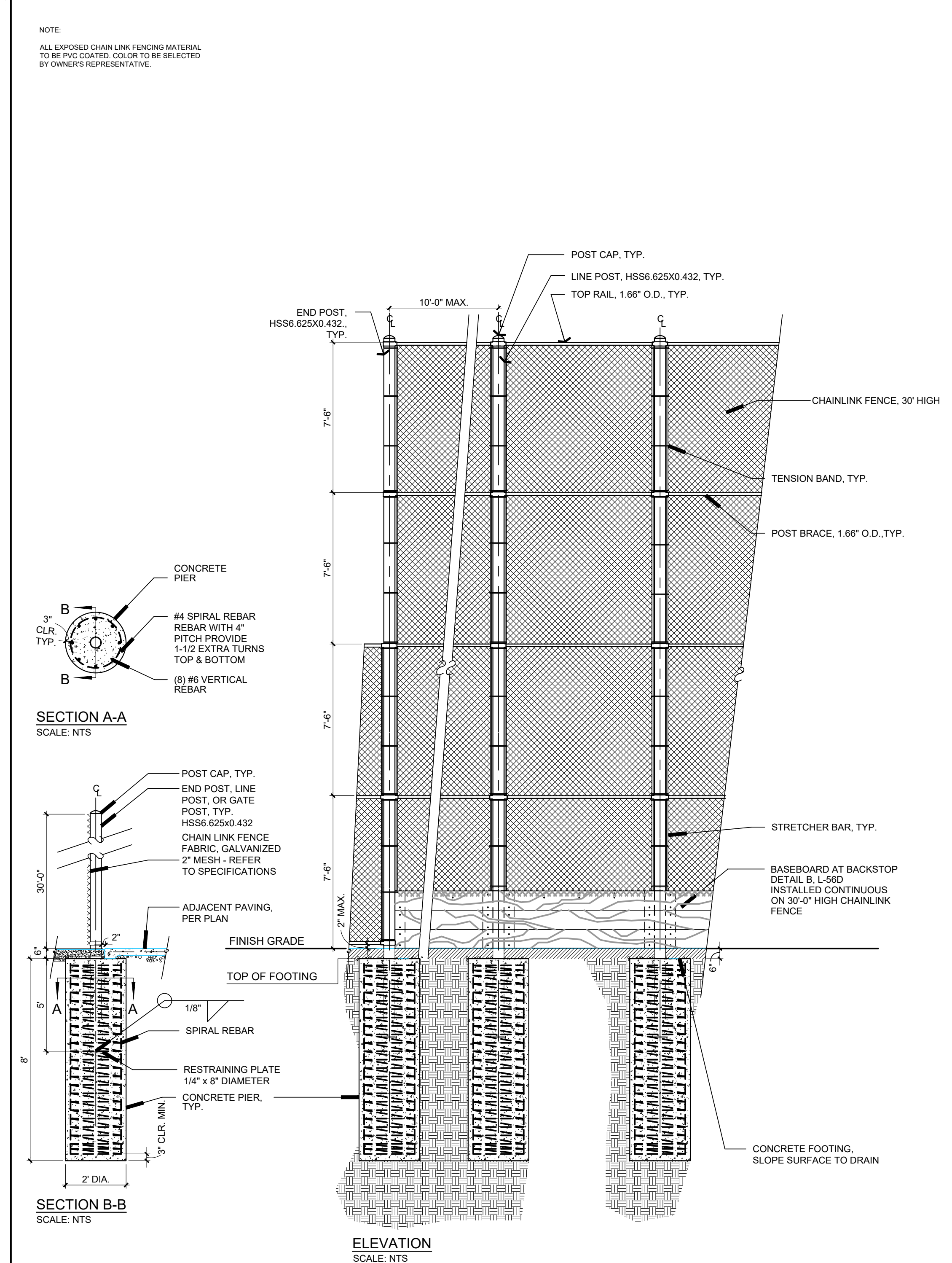
D BASEBALL BULLPEN, DOUBLE



B CHAIN LINK FENCE, 30'



C BLEACHERS



A CHAIN LINK FENCE, 30'

NOTES:

- BLEACHERS TO BE 5-RW, 21' LONG, **NON-AISLE** STYLE WELDED ALUMINUM WITH CHAINLINK QUADRIL SYSTEM BY SOUTHERN BLEACHER COMPANY. P.O. BOX ONE, GRAHAM, TEXAS 76450 801 FIFTH STREET, PHONE: 940/549-0733
- NOT PART OF DSA STRUCTURAL SAFETY APPROVAL (DSA IR A-22)**

46 TOTAL NET 18" SEATS
 2 TOTAL 18" COMPANION SEATS
 2 TOTAL NET 33" WHEELCHAIR SPACES
 50 TOTAL SEATING CAPACITY

NOTE:
 NOT PART OF THE DSA
 STRUCTURAL SAFETY
 APPROVAL (DSA IR A-22)

NOTES:

- REFER TO SPECIFICATION SECTION 32 31 13 FOR FENCE INSTALLATION & MATERIALS.
- ALL FENCE COMPONENTS TO BE GALVANIZED.
- CHAIN LINK FABRIC TO BE INSTALLED ON FIELD SIDE OF POSTS.
- REFER TO DETAIL E, L-56C FOR ACCESSIBLE GATE LATCH.
- WHERE GATES OCCUR WITHIN PATH OF TRAVEL, GATES SHALL COMPLY WITH EXIT DOOR REQUIREMENTS (SECTION 1003.3.1)

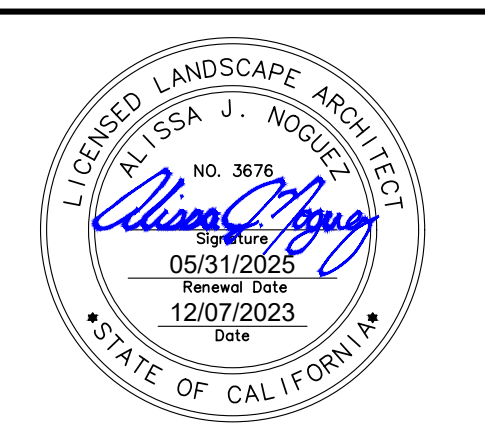
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**CONSTRUCTION
 DETAILS**

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L-56E

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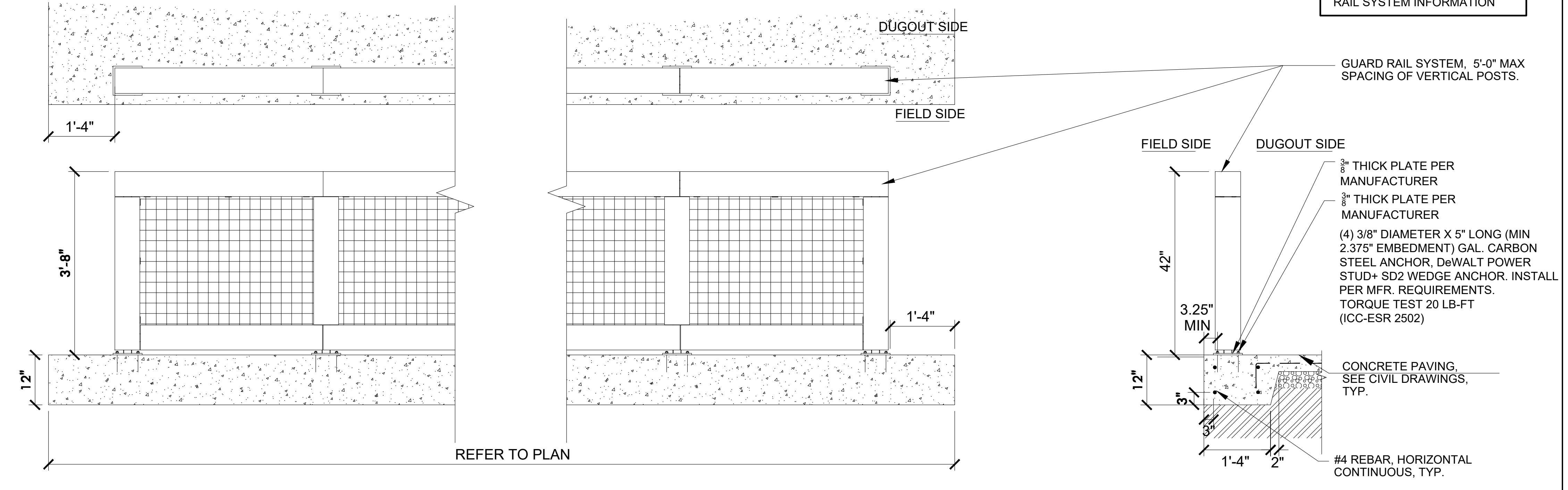
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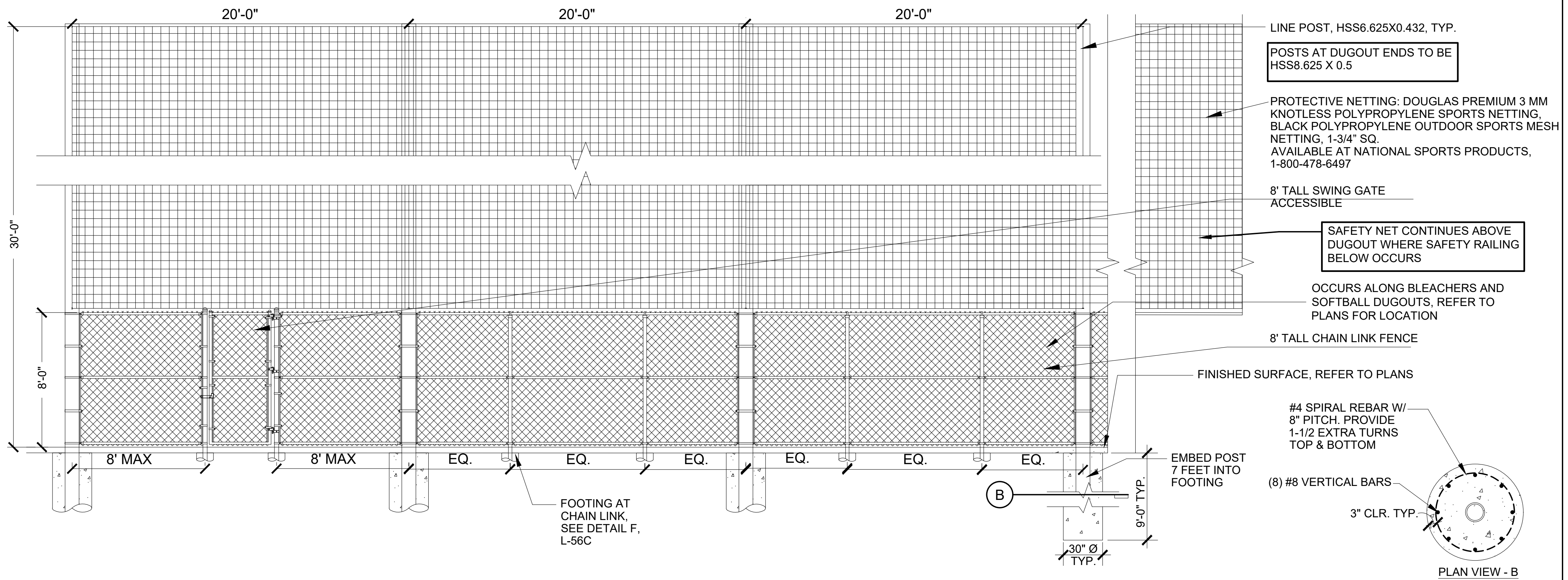
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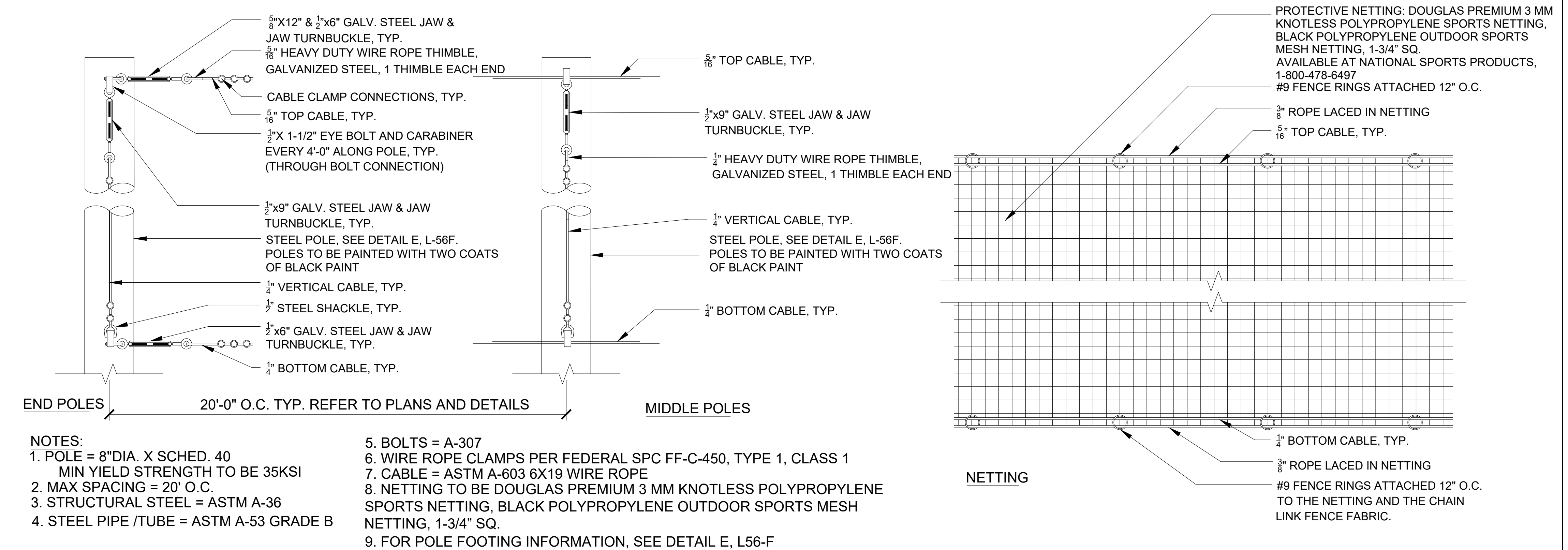
REFER TO SPECIFICATION SECTION 11 68 33.33, BASEBALL FIELD EQUIPMENT, FOR GUARD RAIL SYSTEM INFORMATION



F GUARD RAIL SYSTEM SCALE: NTS



E 22' PROTECTIVE NETTING OVER 8' TALL CHAIN LINK FENCE SCALE: NTS



D PROTECTIVE NETTING SCALE: NTS

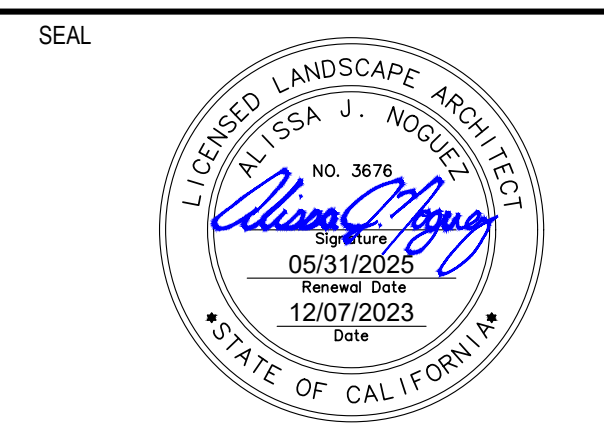
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PROJECT
**LUTHER BURBANK HIGH SCHOOL
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3500 FLORIN ROAD
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MATCHLINE - SEE SHEET LI101A

SEE SHEET LI101A FOR IRRIGATION NOTES AND LEGEND

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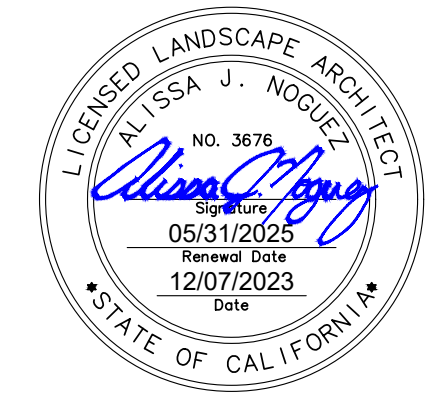
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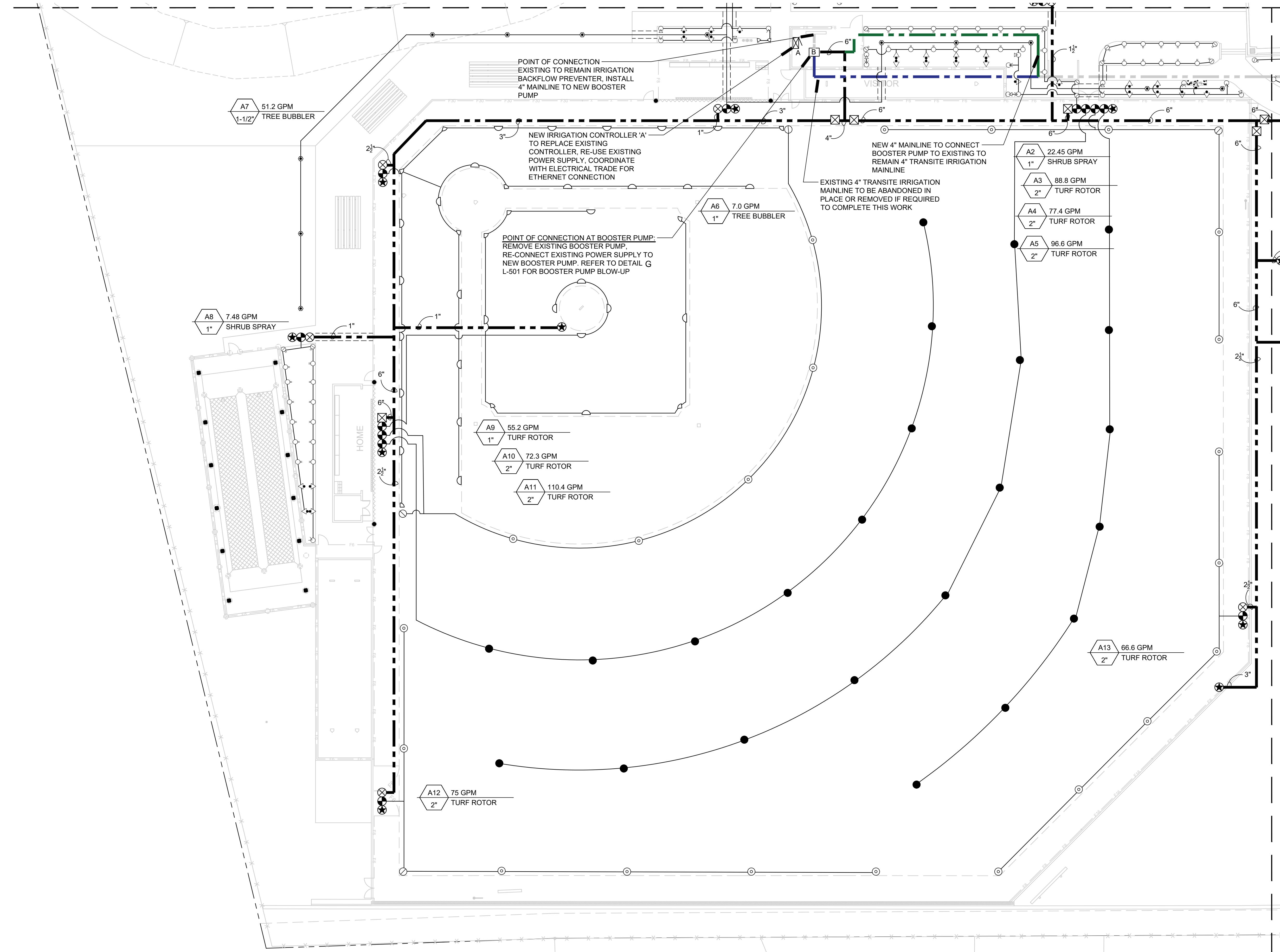
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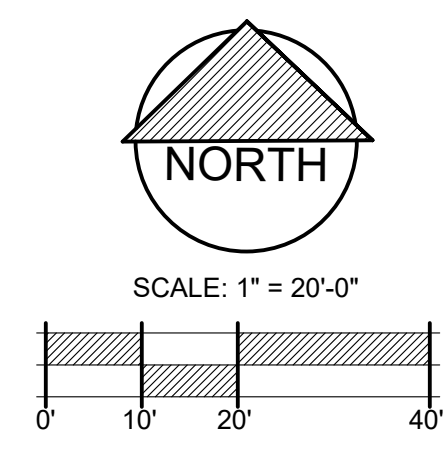
TITLE
IRRIGATION PLAN

SHEET
LI101B

ANLA PROJECT NO. 2318



MATCHLINE - SEE SHEET LI101C



MATCHLINE - SEE SHEET LS10A

SEE SHEET L101A FOR IRRIGATION NOTES AND LEGEND

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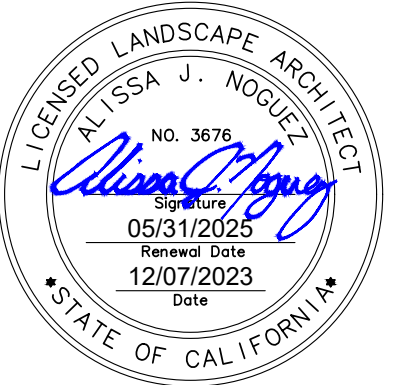
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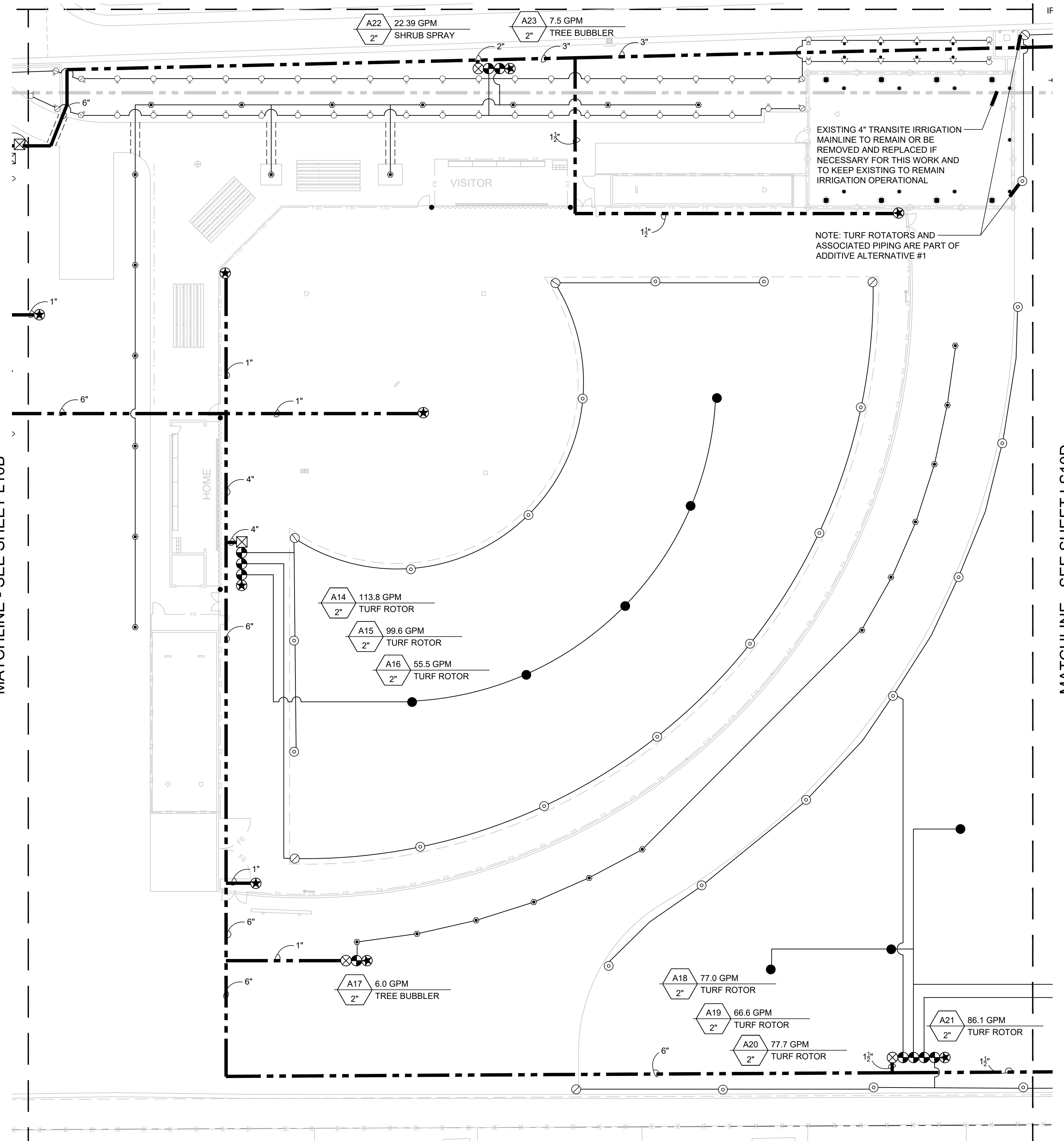
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IRRIGATION PLAN

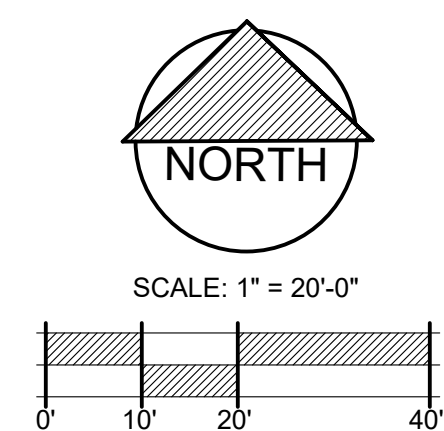
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L1101C

ANLA PROJECT NO. 2318



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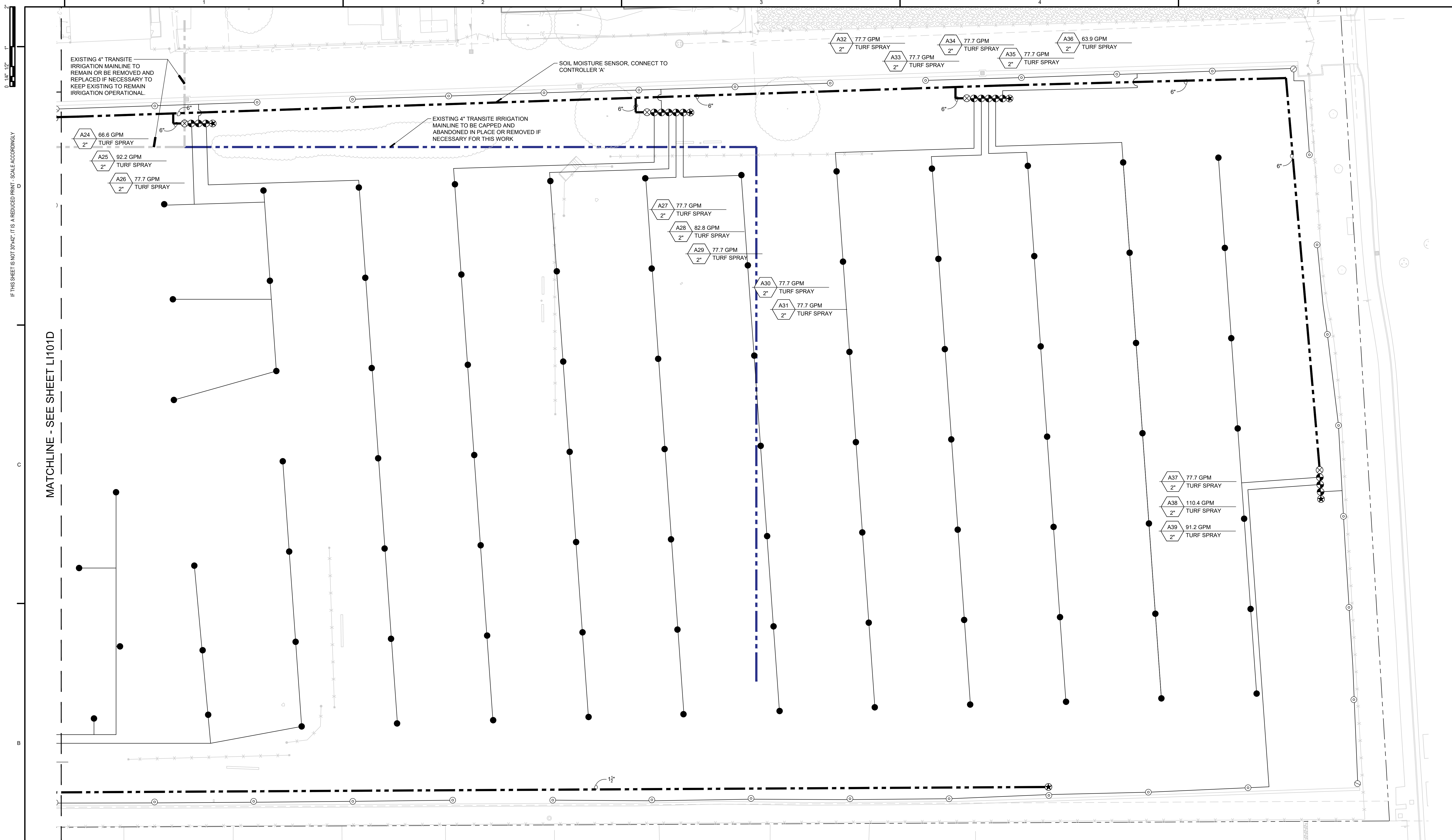
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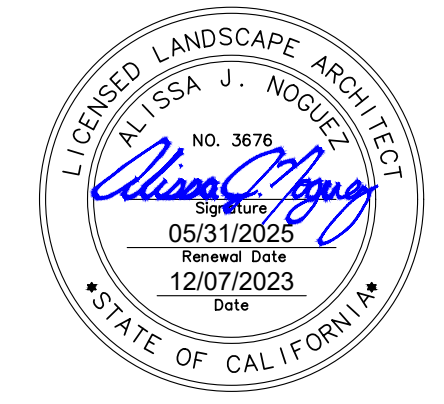
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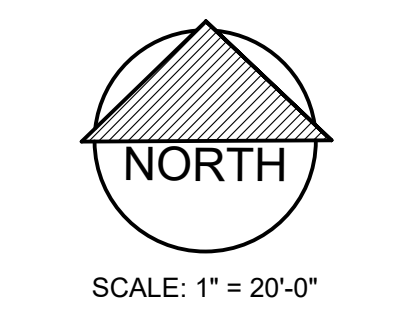
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SEE SHEET LI101A FOR IRRIGATION NOTES
 LEGEND

BIDDING INSTRUCTIONS:
 TURF ROTORS AND ASSOCIATED
 MAINLINES, VALVES, AND LATERALS SHOWN
 ON THIS SHEET SHALL BE ADDITIVE
 ALTERNATE #1. BASE BID TO RETROFIT
 EXISTING TURF ROTOR CIRCUITS AS
 REQUIRED DUE TO REDUCED LIMITS
 CAUSED BY NEW ADJACENT FENCES.
 CONTRACTOR TO INCLUDE IN BASE BID TO
 INSTALL UP TO (6) NEW ROTORS AND
 ADJUST THE LOCATION AND NOZZLES FOR
 AN ADDITIONAL (6) EXISTING ROTORS

NOTE:
 EXISTING FIELD IRRIGATION MAINLINE IS TRANSITE PIPE.



SHEET
LI101D

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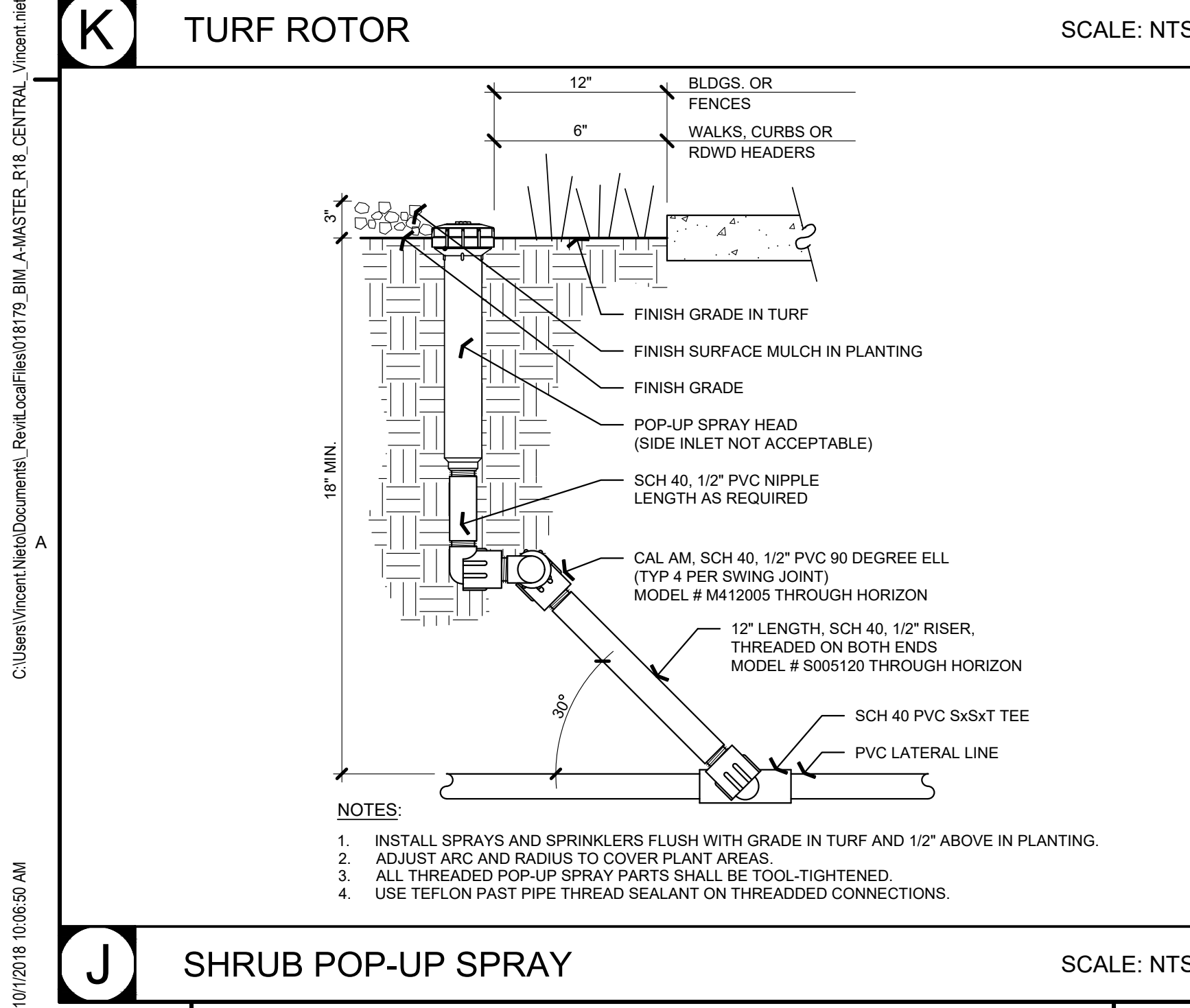
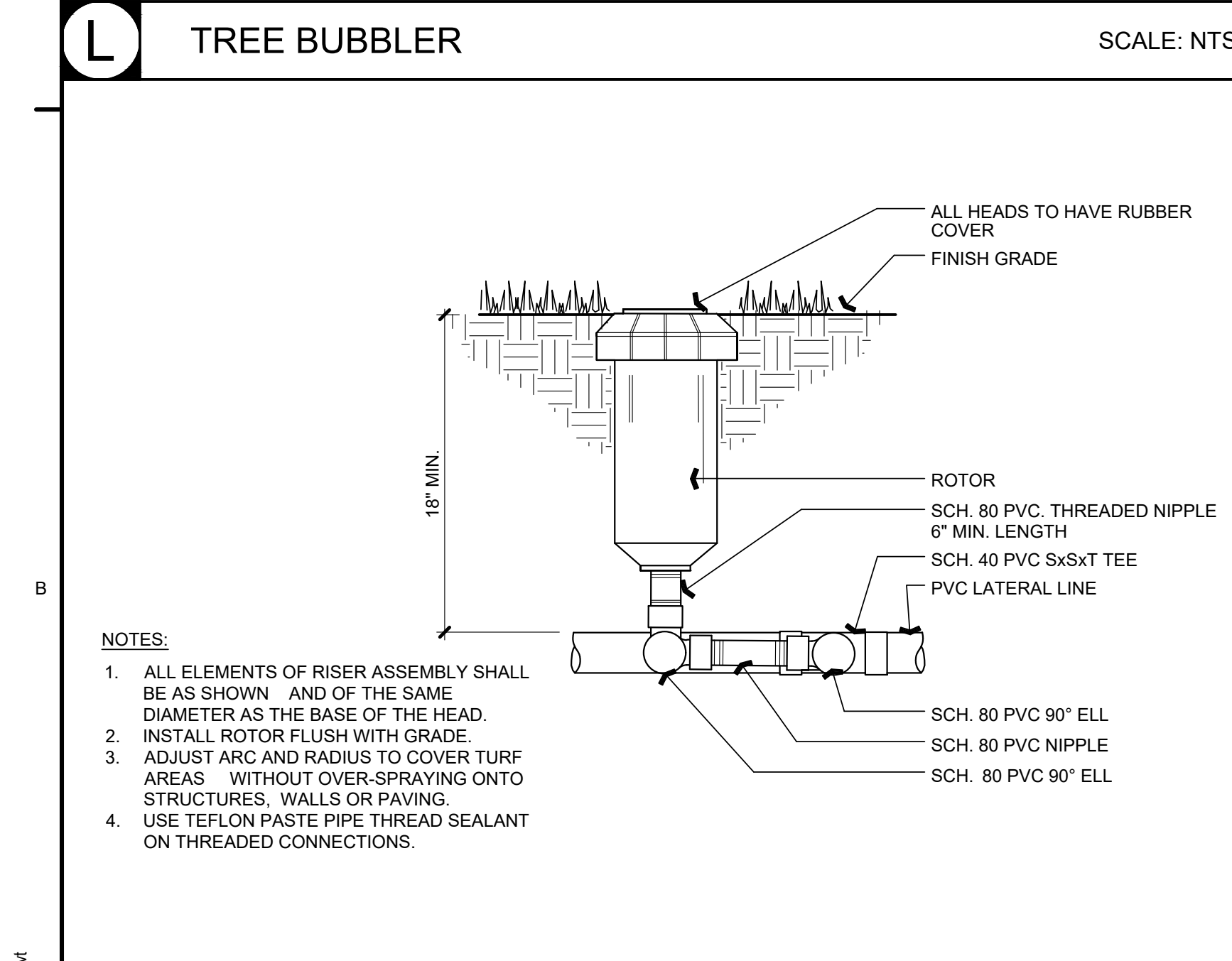
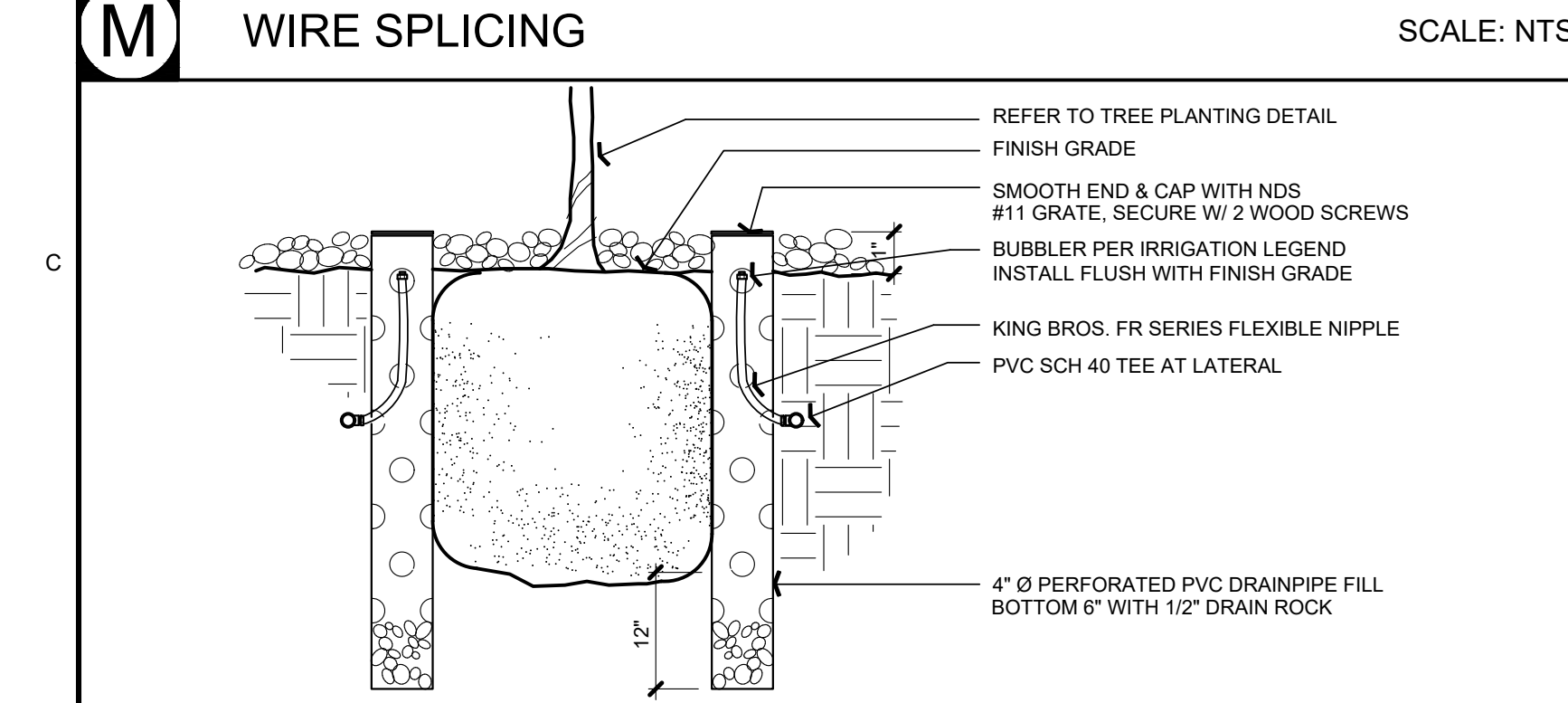
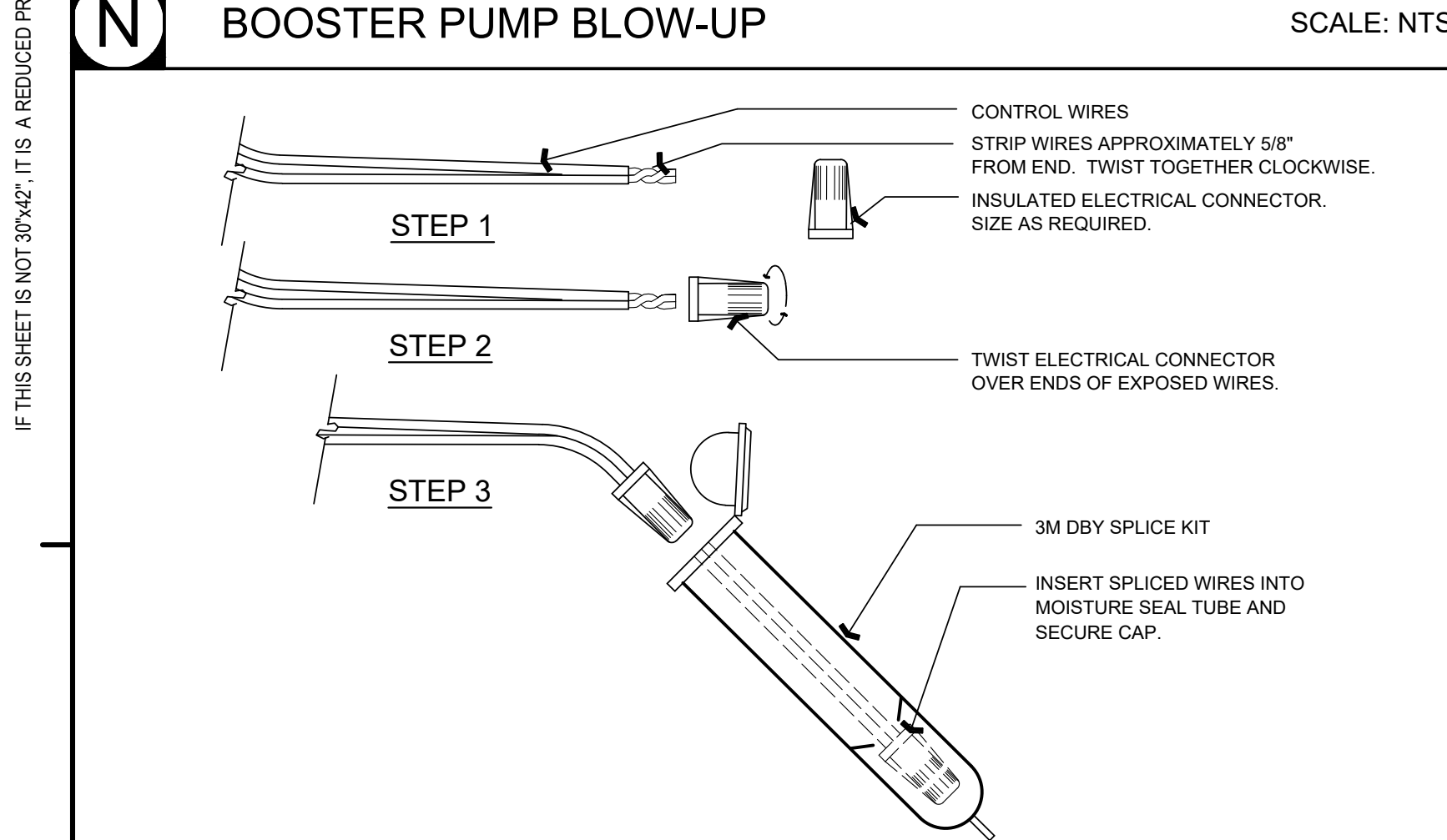
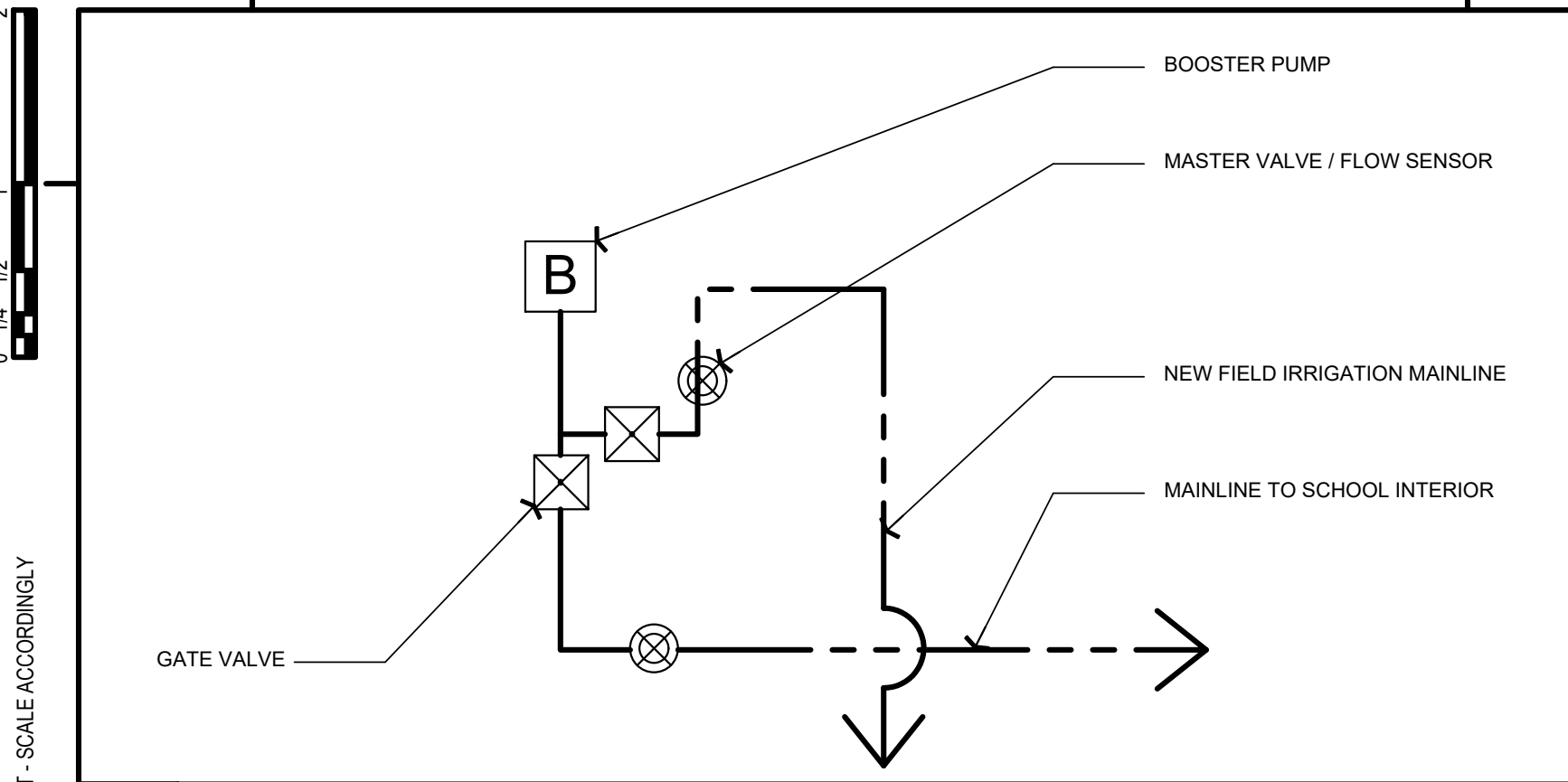
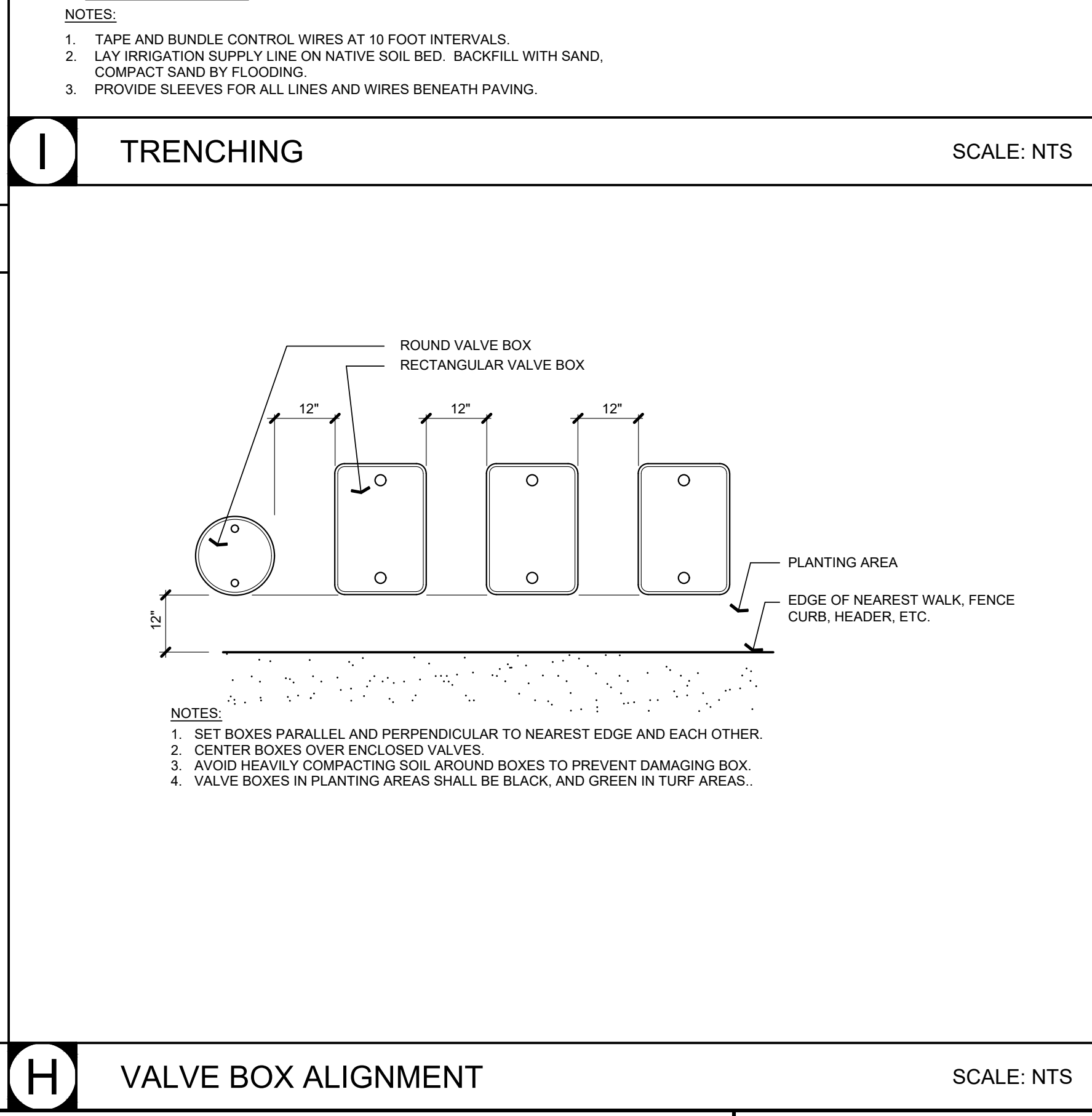
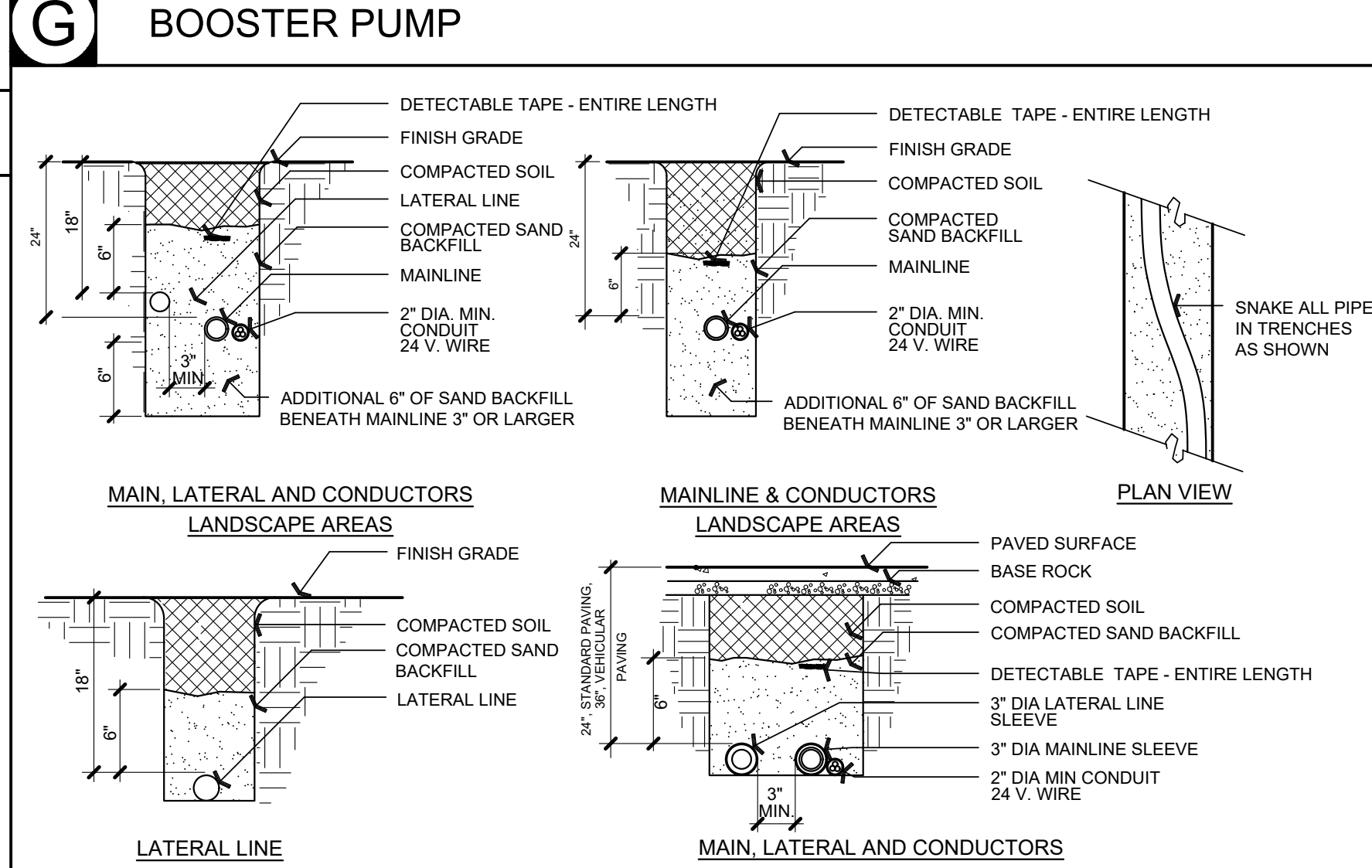
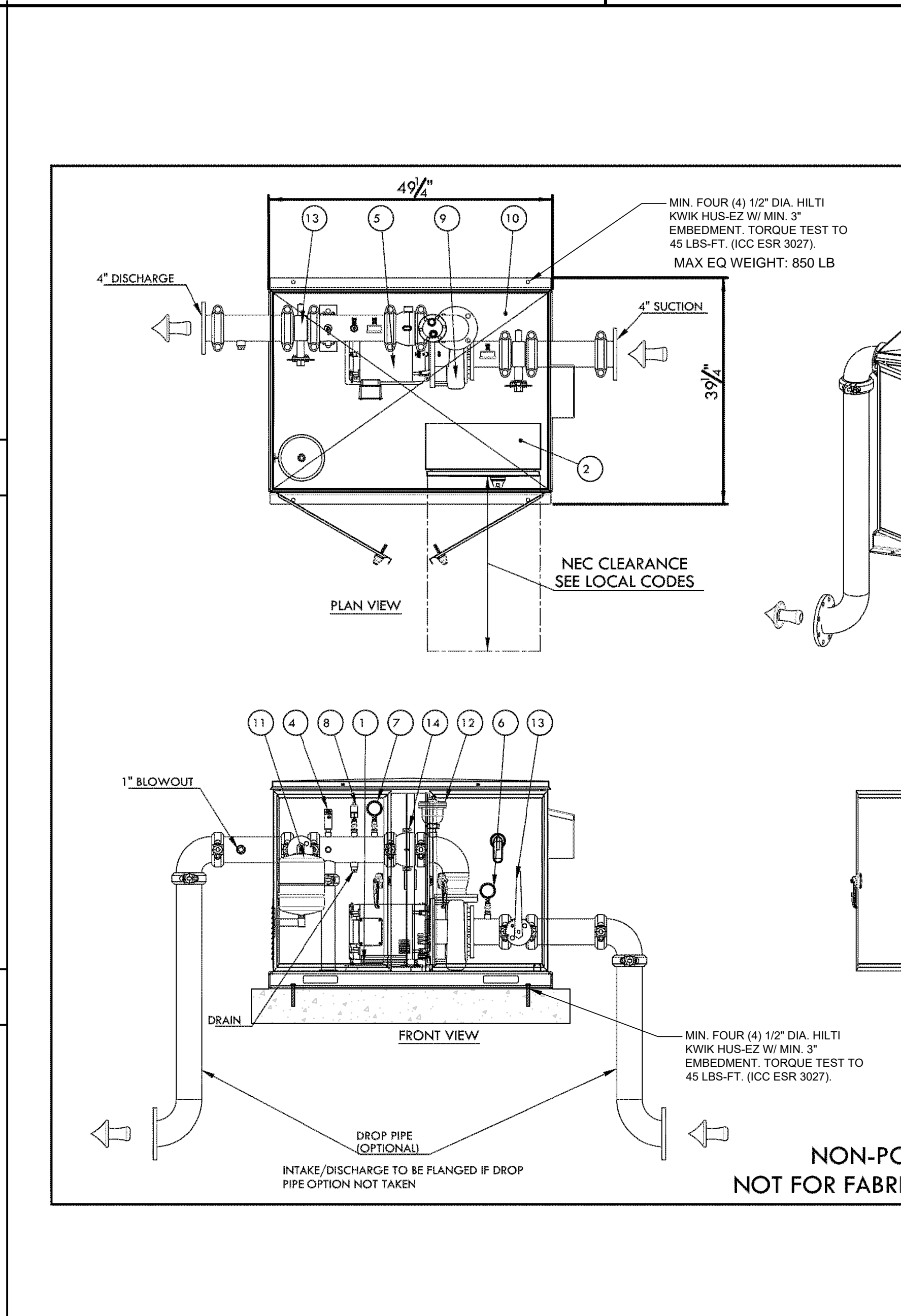
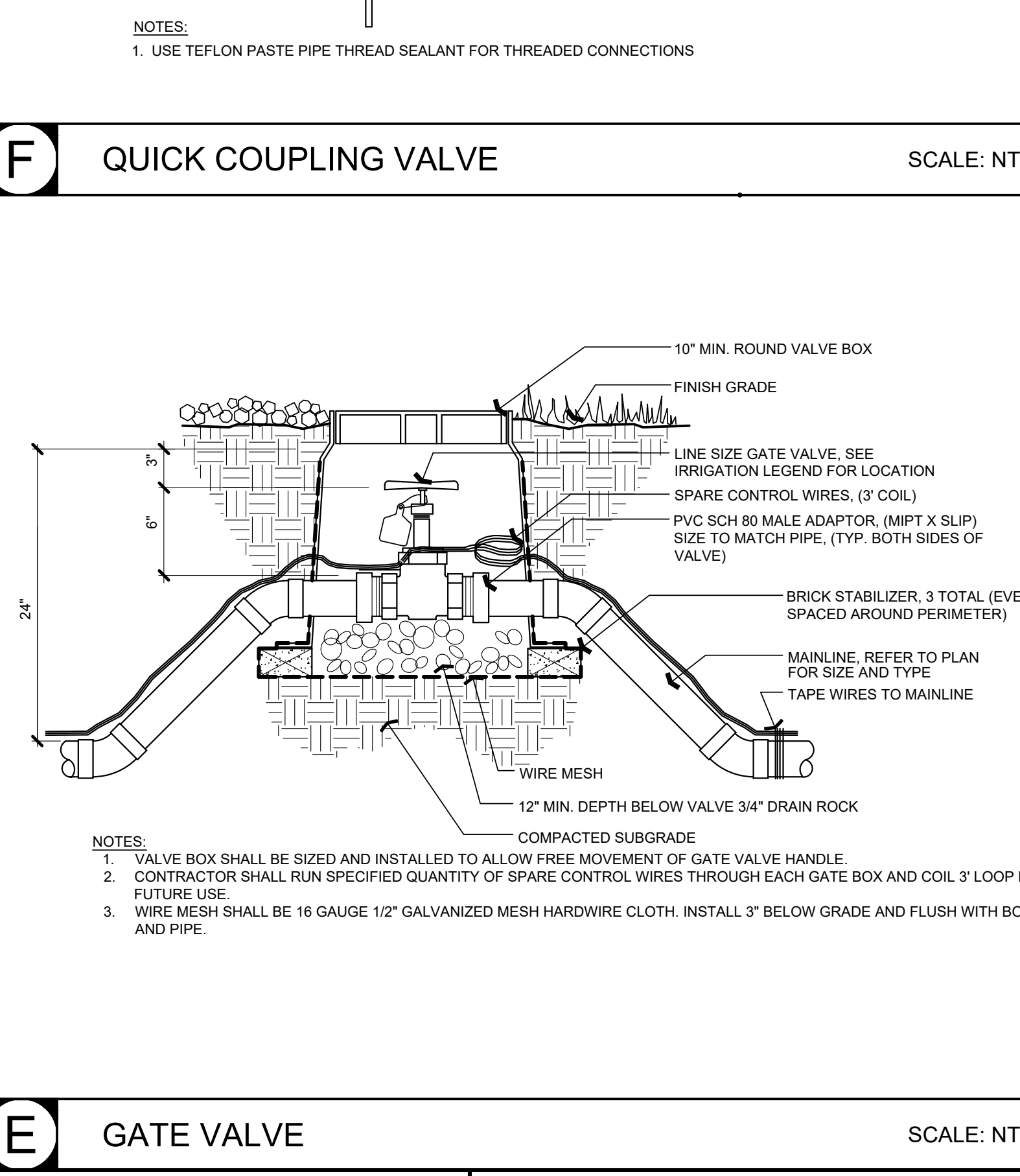
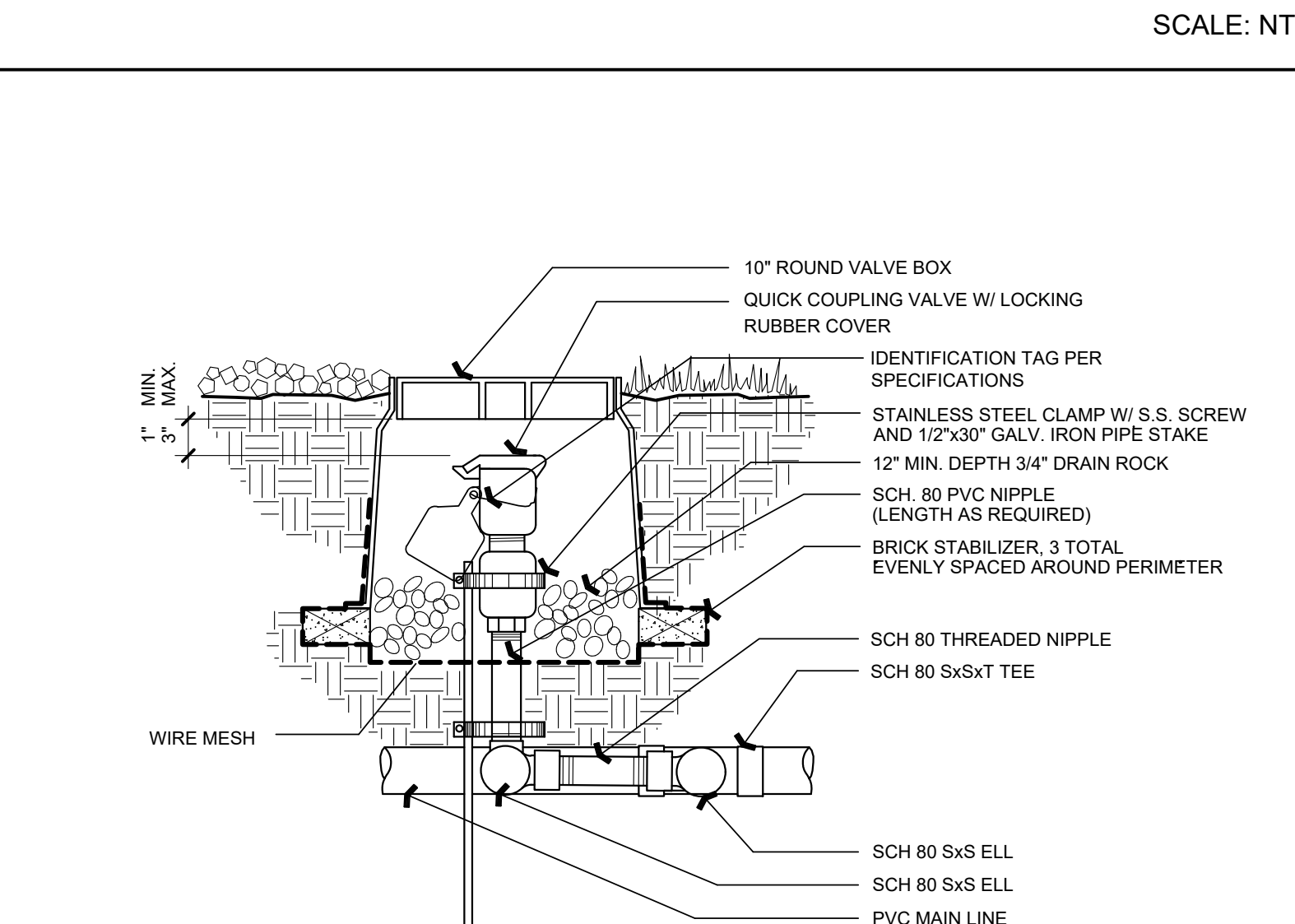
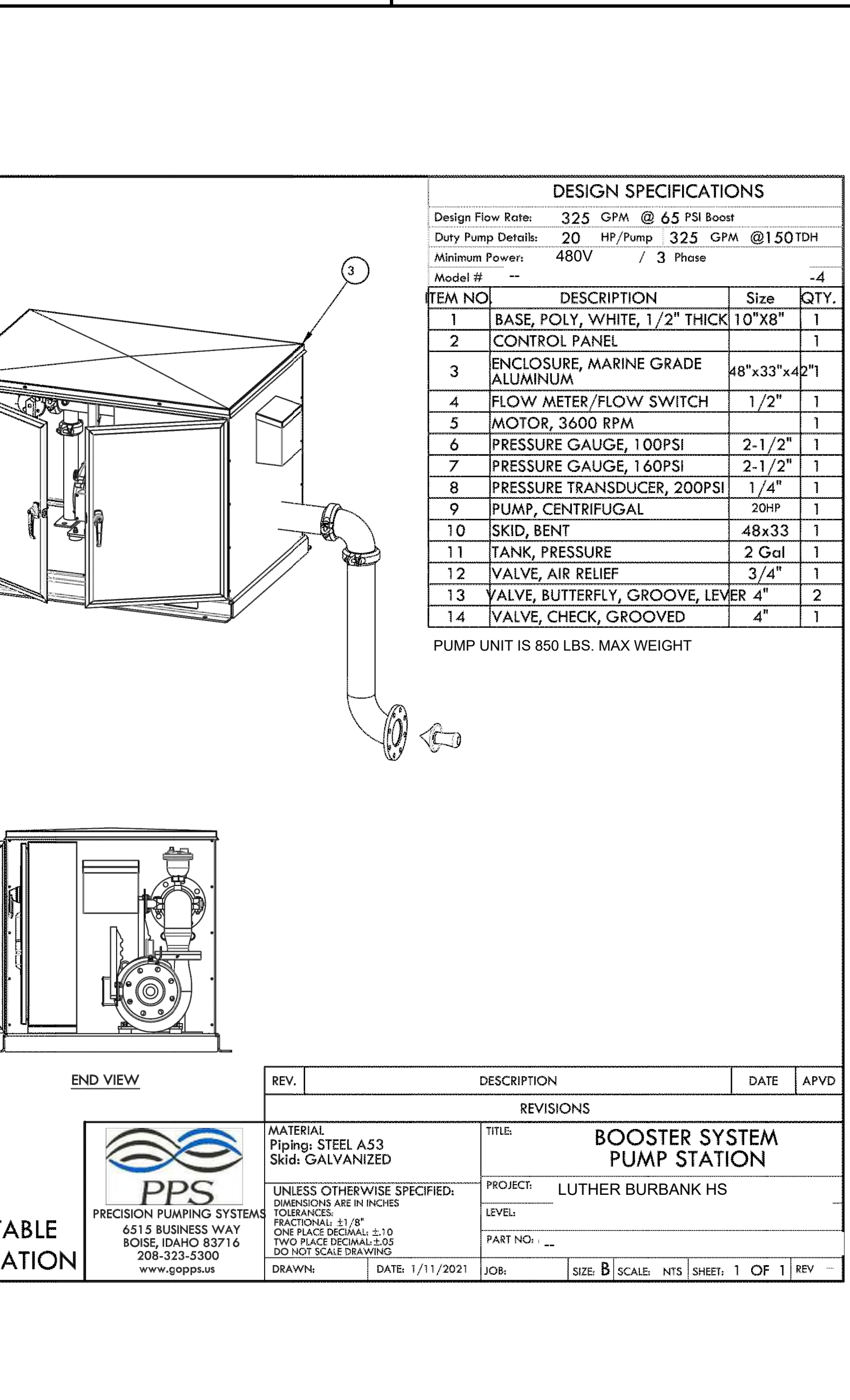
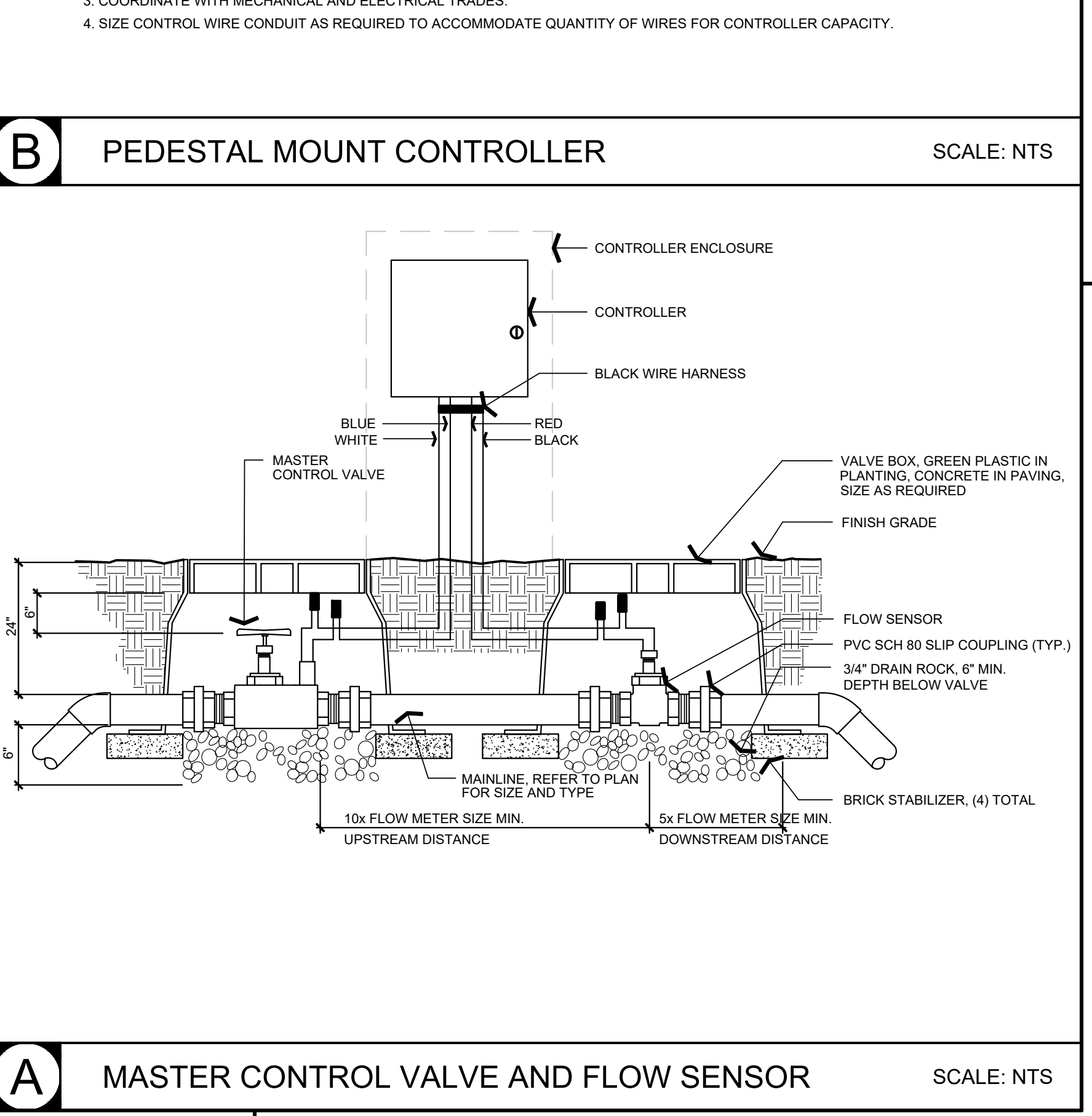
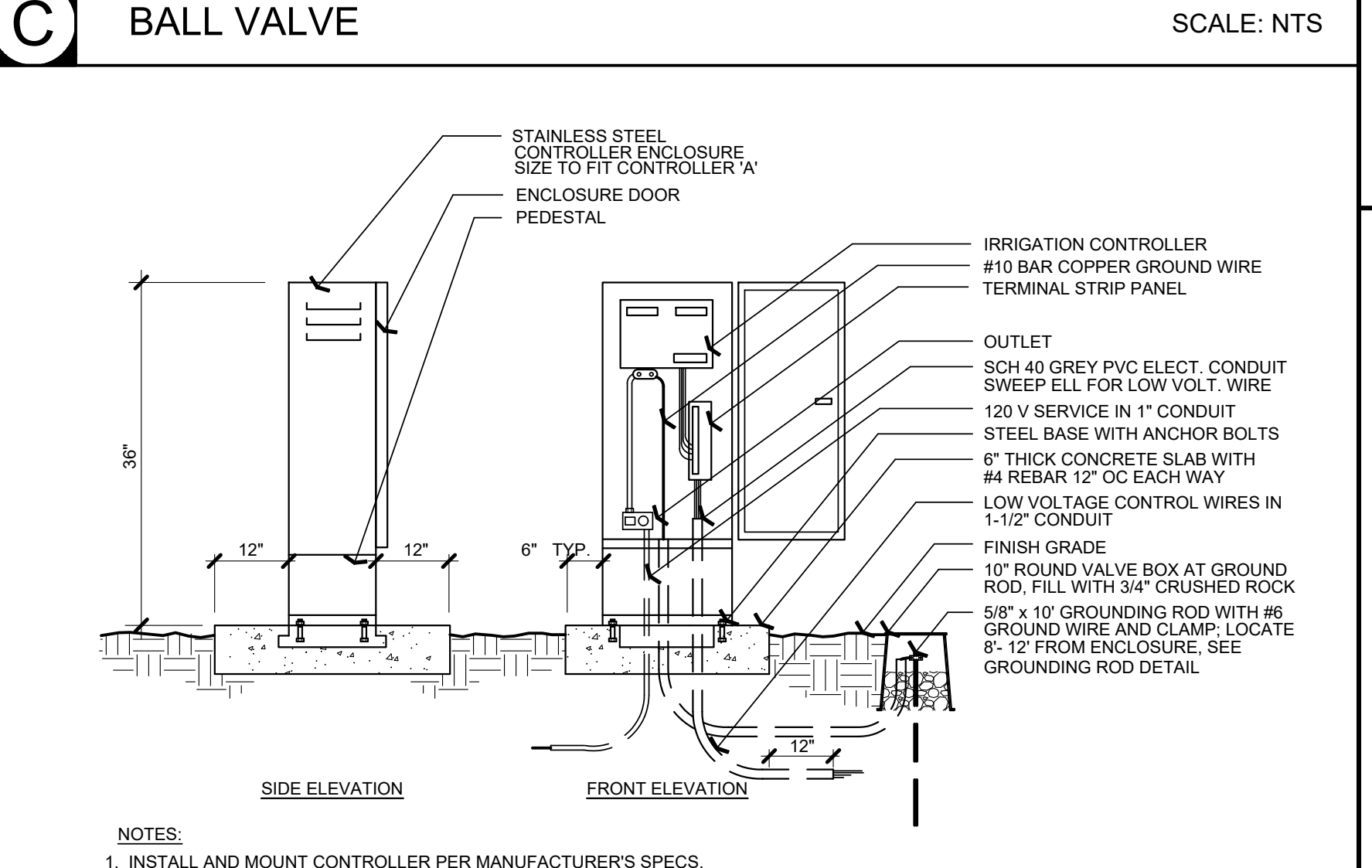
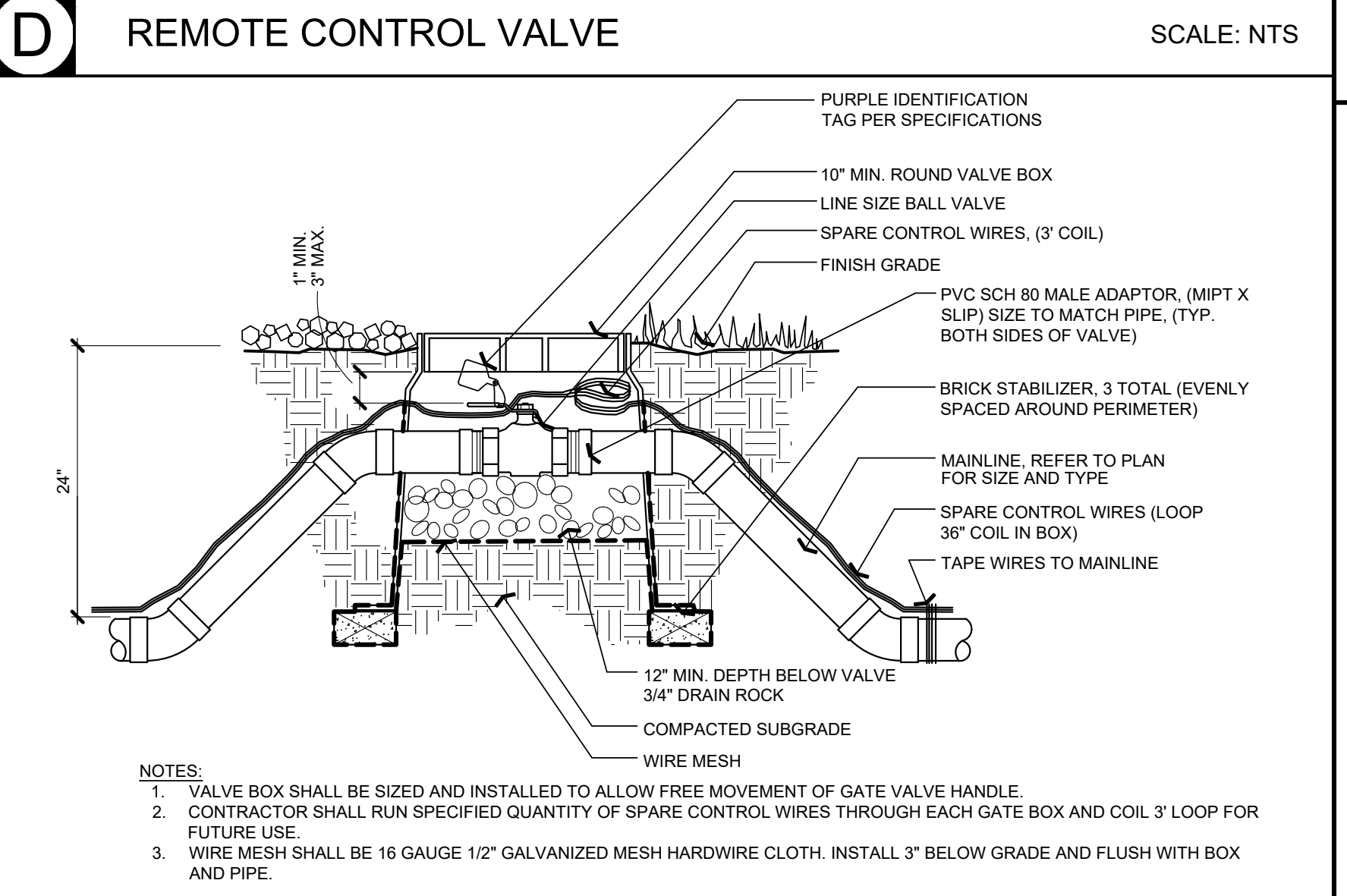
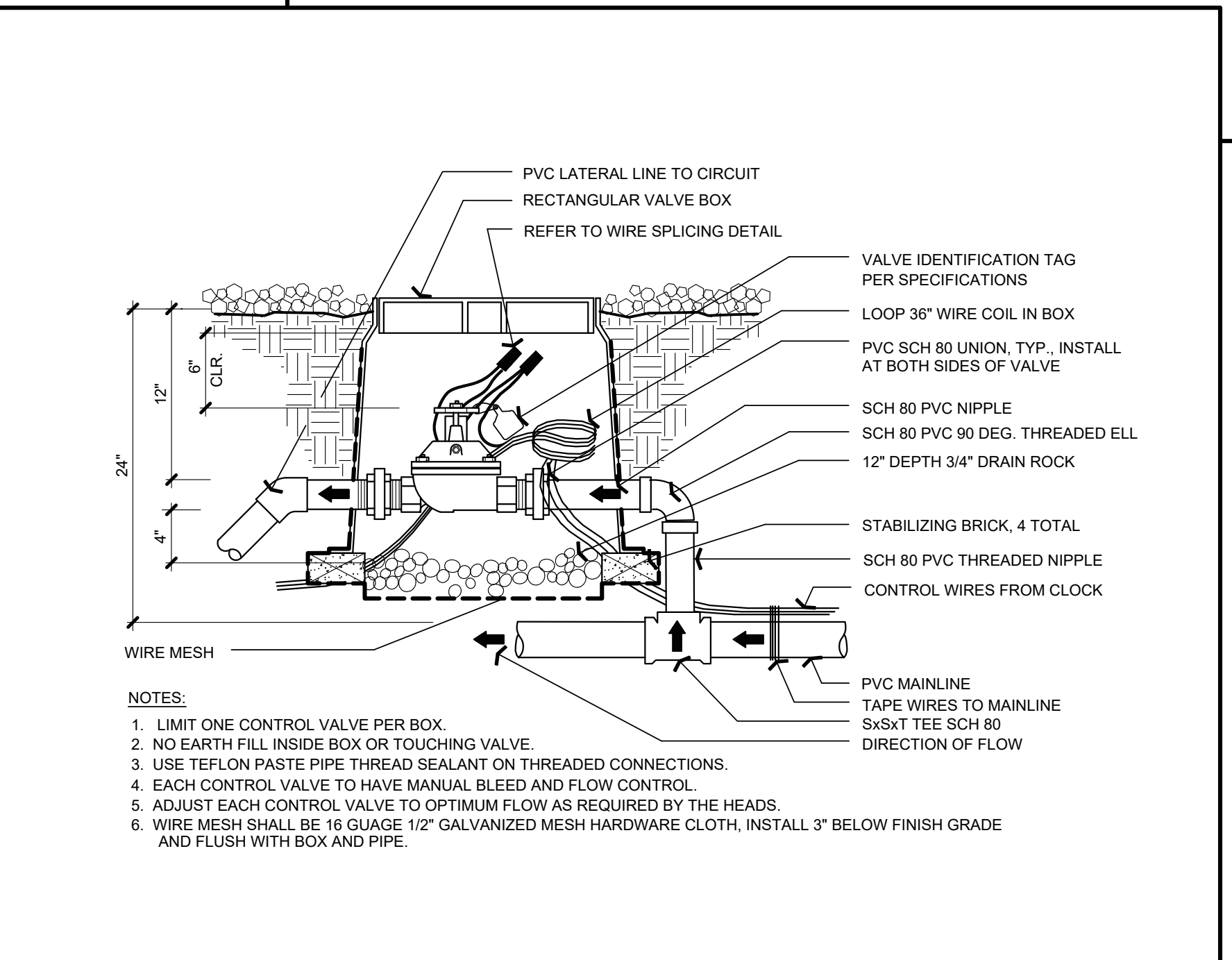
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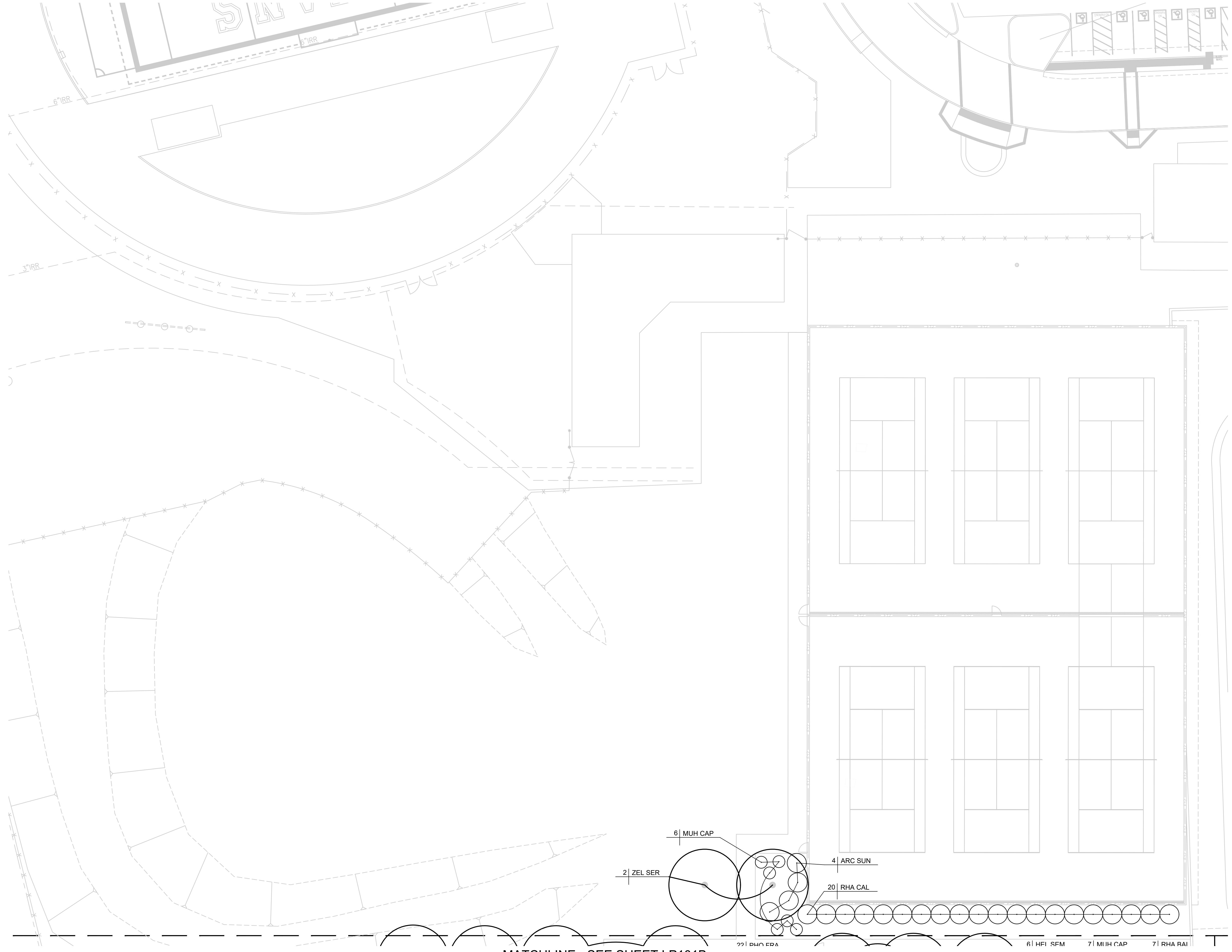
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SEE SHEET LP101B FOR SHADE CALCULATIONS

PLANTING NOTES

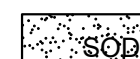

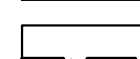
1. THESE NOTES ARE FOR GENERAL REFERENCE IN CONJUNCTION WITH, AND AS A SUPPLEMENT TO THE WRITTEN SPECIFICATIONS, DETAILS, ADDENDA AND CHANGE ORDERS ASSOCIATED WITH THE CONTRACT DOCUMENTS.
2. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION.
3. CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF ALL EXISTING AND PROPOSED UNDERGROUND SERVICES AND IMPROVEMENTS WHICH MAY CONFLICT WITH WORK TO BE DONE. CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444 PRIOR TO DIGGING. NOTIFY OWNER IMMEDIATELY SHOULD CONFLICTS ARISE.
4. FINE GRADING, HEADERS AND IRRIGATION COVERAGE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING OPERATIONS.
5. CONTRACTOR SHALL LAY OUT PLANT MATERIAL PER PLAN AND FACE TO GIVE BEST APPEARANCE OR RELATION TO ADJACENT PLANTS, STRUCTURES OR VIEWS. CONTRACTOR TO OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
6. PLANT MATERIAL SHALL NOT BE INSTALLED IN AN AREA WHICH WILL CAUSE HARM TO ADJACENT STRUCTURES OR OBSTRUCT IRRIGATION SPRAY PATTERN. NOTIFY THE OWNER'S REPRESENTATIVE SHOULD CONFLICTS ARISE.
7. PLANT LOCATIONS ARE DIAGRAMMATIC AND MAY BE ADJUSTED IN THE FIELD AT THE OWNER'S REPRESENTATIVE REQUEST PRIOR TO INSTALLATION. OBTAIN APPROVAL OF PLANT LAYOUT FROM THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING.
8. UNLESS OTHERWISE NOTED, FINISH GRADE OF SHRUB AND GROUND COVER AREAS SHALL BE 2" BELOW ADJACENT PAVING, TAPER 3" DEPTH BARK MULCH TOP DRESSING TO 1/2" BELOW ADJACENT PAVING (1'-1/2" DEPTH) WITHIN 2' OF PAVING. FINISH GRADE OF SEEDED TURF AREAS SHALL BE 1" BELOW ADJACENT PAVING. FINISH GRADE OF SODDED TURF AREAS SHALL BE 1" BELOW ADJACENT PAVING.
9. PLANTING AREAS SHALL RECEIVE A 3" MIN. DEPTH BARK MULCH TOP DRESSING. UNLESS OTHERWISE NOTED, BARK MULCH SHALL BE PACIFIC LANDSCAPE SUPPLY SHREDDED CEDAR BARK MULCH.
10. NEWLY PLANTED MATERIAL SHALL BE THOROUGHLY SOAKED WITH WATER WITHIN 3 HOURS OF PLANTING.
11. EXISTING TREES, SHRUBS AND GROUND COVERS TO REMAIN SHALL BE PROTECTED. ANY DAMAGE CAUSED BY CONTRACTOR'S WORK OR NEGLIGENCE SHALL BE REPLACED OR REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
12. THIRTY DAYS AFTER PLANTING, CONTRACTOR SHALL RE-STAKE AND STRAIGHTEN TREES AS NECESSARY.
13. CONTRACTOR TO COLLECT AND SUBMIT SOIL SAMPLE TO LUCCHESI CONSULTING FOR SOIL AMENDING AND PREPARATION RECOMMENDATION PER SPECIFICATION SECTION 32 90 00.
14. CONTRACTOR SHALL COORDINATE ROUGH GRADING AND FINE GRADING TO ENSURE EXISTING SUITABLE TOPSOIL IS REMOVED, STOCKPILED AND REINSTALLED INTO PROPOSED LANDSCAPE AREAS PER LANDSCAPE SPECIFICATION SECTION 32 90 00. IN THE EVENT THERE IS NOT ENOUGH EXISTING TOPSOIL, OR NO PLACE TO STOCKPILE TOPSOIL, CONTRACTOR SHALL IMPORT AND INSTALL TOPSOIL PER LANDSCAPE SPECIFICATION SECTION 32 90 00.
15. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING OR REPLACING, AT HIS OWN EXPENSE, SURFACE AND SUBSURFACE SITE FEATURES TO REMAIN, INCLUDING BUT NOT LIMITED TO STRUCTURES, FENCES, WALLS, PAVING SURFACES, PLANT MATERIAL AND/OR TREES DAMAGED OR DESTROYED, BOTH ON THIS PROPERTY OR THOSE PROPERTIES ADJACENT TO THIS SITE. THE DAMAGED ITEM(S) WILL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
16. REFER TO PLANTING DETAILS ON SHEET L-504 AND SPECIFICATIONS SECTIONS:
 31 13 16 TREE PROTECTION
 32 90 00 PLANTING
 32 92 00 TURF PLANTING

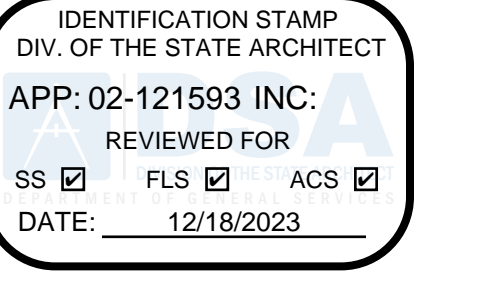
PLANT LEGEND

SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	WATER NEEDS*
TREES:				
TIL COR	24" BOX	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	MOD
ZEL SER	24" BOX	ZELKOVA SERRATA 'VILLAGE GREEN'	SAWTOOTH ZELKOVA	MOD
SHRUBS:				
ARC SUN	5 GAL	ARCTOSTAPHYLOS 'SUNSET'	SUNSET MANZANITA	LOW
CEA CEN	5 GAL	CEANOTHUS 'CENTENNIAL'	CENTENNIAL CEANOTHUS	LOW
HEL SEM	5 GAL	HELIOTRICHON SEMPERVIRENS	BLUE OAT GRASS	LOW
MUH CAP	5 GAL	MUHLENBERGIA CAPILLARIS	PINK MUHLY	LOW
PHO BRO	5 GAL	PHORMIUM 'TENAX 'BRONZE BABY'	BRONZE NEW ZEALAND FLAX	MOD
PHO FRA	5 GAL	PHOTINIA X 'FRASER'	RED TIPPED PHOTINIA	LOW
RHA CAL	5 GAL	RHAMNUS CALIFORNICA	CALIFORNIA COFFEEBERRY	LOW
RHA BAL	5 GAL	RHAPHIOLEPIS INDICA 'BALLERINA'	BALLERINA INDIAN HAWTHORN	MOD

*WATER NEEDS BASED ON: "WATER USE CLASSIFICATION OF LANDSCAPE SPECIES", ZONE 1, UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION AND THE DEPARTMENT OF WATER RESOURCES, 2014.

MATERIALS

-  SOD, TIFWAY 419 BERMUDA
-  BARK MULCH ONLY
-  SHOVEL-CUT EDGE TURF, SEE DETAIL D, L-502

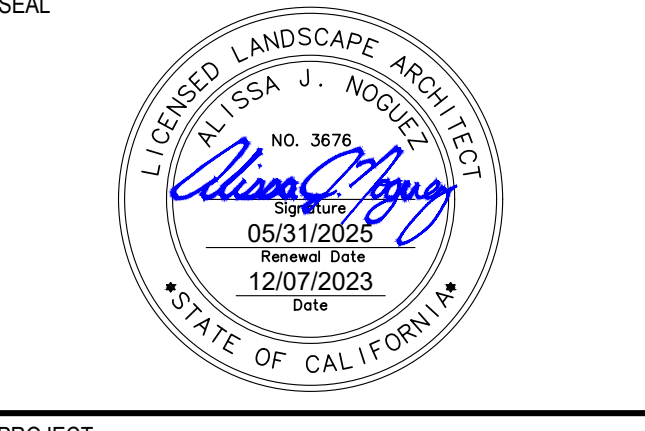


LIONAKIS

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 www.lionakis.com



1723 Hamilton Ave, Suite 101
 San Jose, CA 95125
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PROJECT
 LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS REPLACEMENT

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
-	08.10.2023	DSA INITIAL SUBMITTAL
-	12.07.2023	DSA BACKCHECK

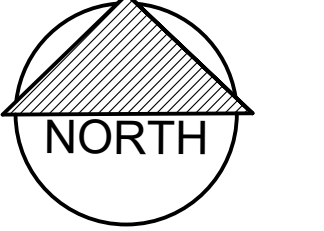
MANAGEMENT
 LIONAKIS PROJECT NO. _____
 CLIENT PROJECT NO. _____
 COPYRIGHT: _____

AGENCY

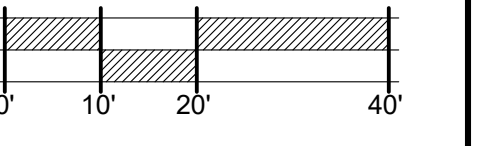
TITLE
 PLANTING PLAN

SHEET
 LP101A

ANLA PROJECT NO. _____ 2318



SCALE: 1" = 20'-0"



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MATCHLINE - SEE SHEET LP101A

SEE SHEET LP101A FOR PLANTING NOTES AND LEGEND

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 SS FLS ACS
 DATE: 12/18/2023

LIONAKIS

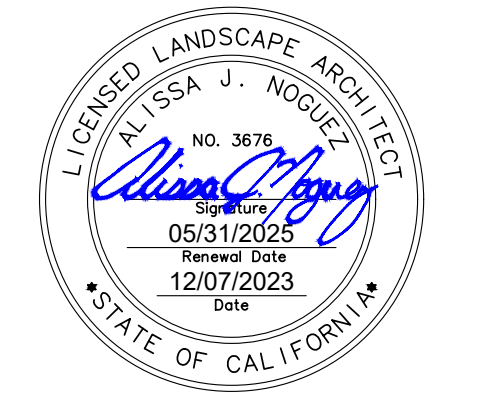
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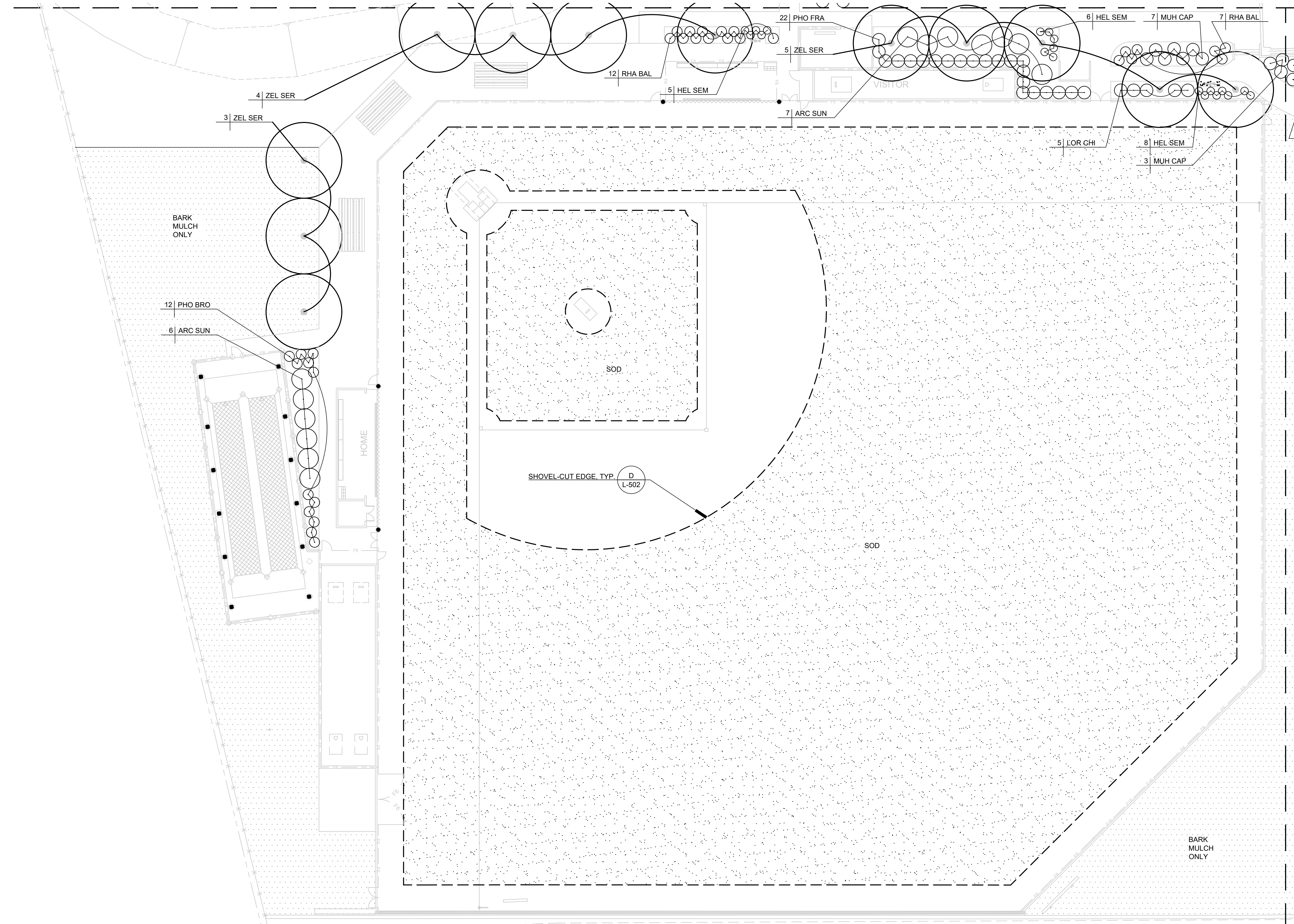
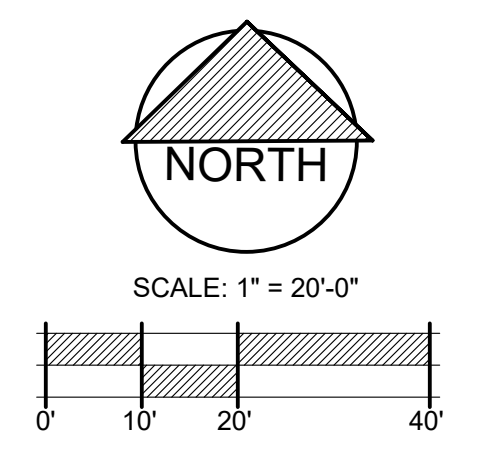


PROJECT
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 ATHLETIC FIELDS REPLACEMENT

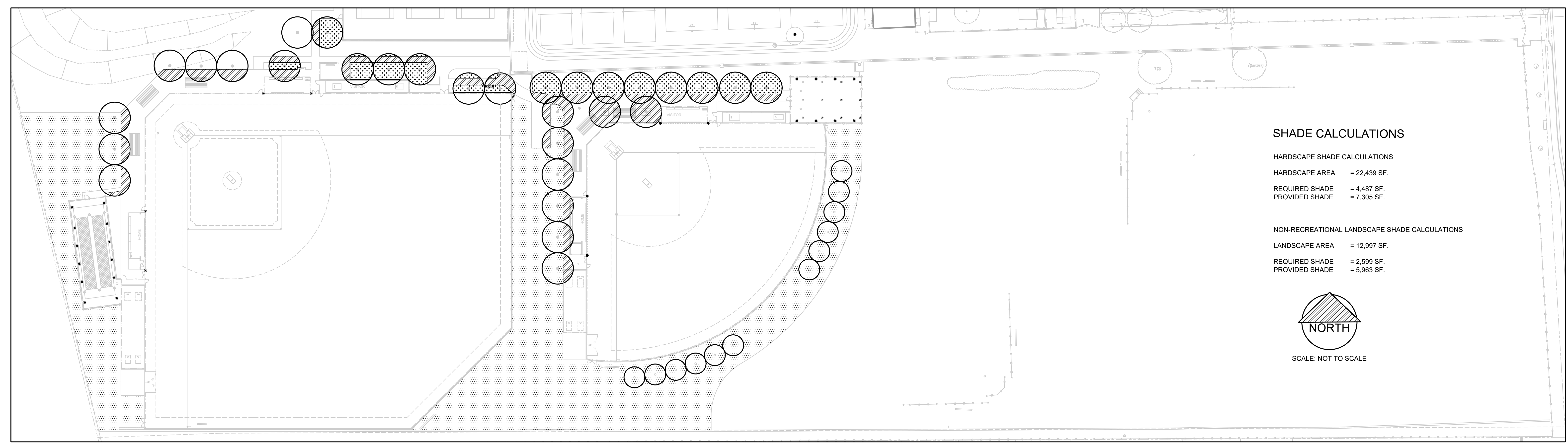
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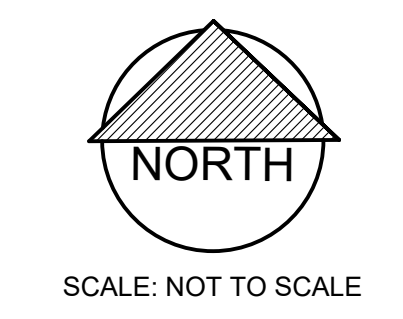
MATCHLINE - SEE SHEET LP101C



SHADE CALCULATIONS

HARDSCAPE SHADE CALCULATIONS
 HARDSCAPE AREA = 22,439 SF.
 REQUIRED SHADE = 4,487 SF.
 PROVIDED SHADE = 7,305 SF.

NON-RECREATIONAL LANDSCAPE SHADE CALCULATIONS
 LANDSCAPE AREA = 12,997 SF.
 REQUIRED SHADE = 2,599 SF.
 PROVIDED SHADE = 5,963 SF.



TITLE
PLANTING PLAN

SHEET
LP101B

ANLA PROJECT NO. 2318

MATCHLINE - SEE SHEET LP101A

SEE SHEET LP101A FOR PLANTING NOTES
LEGEND

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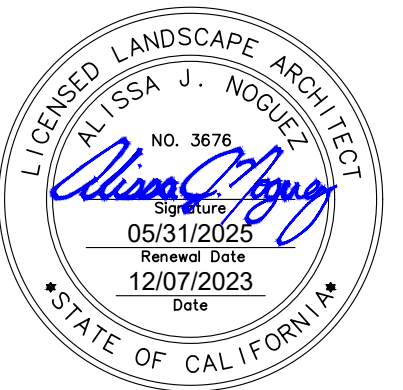
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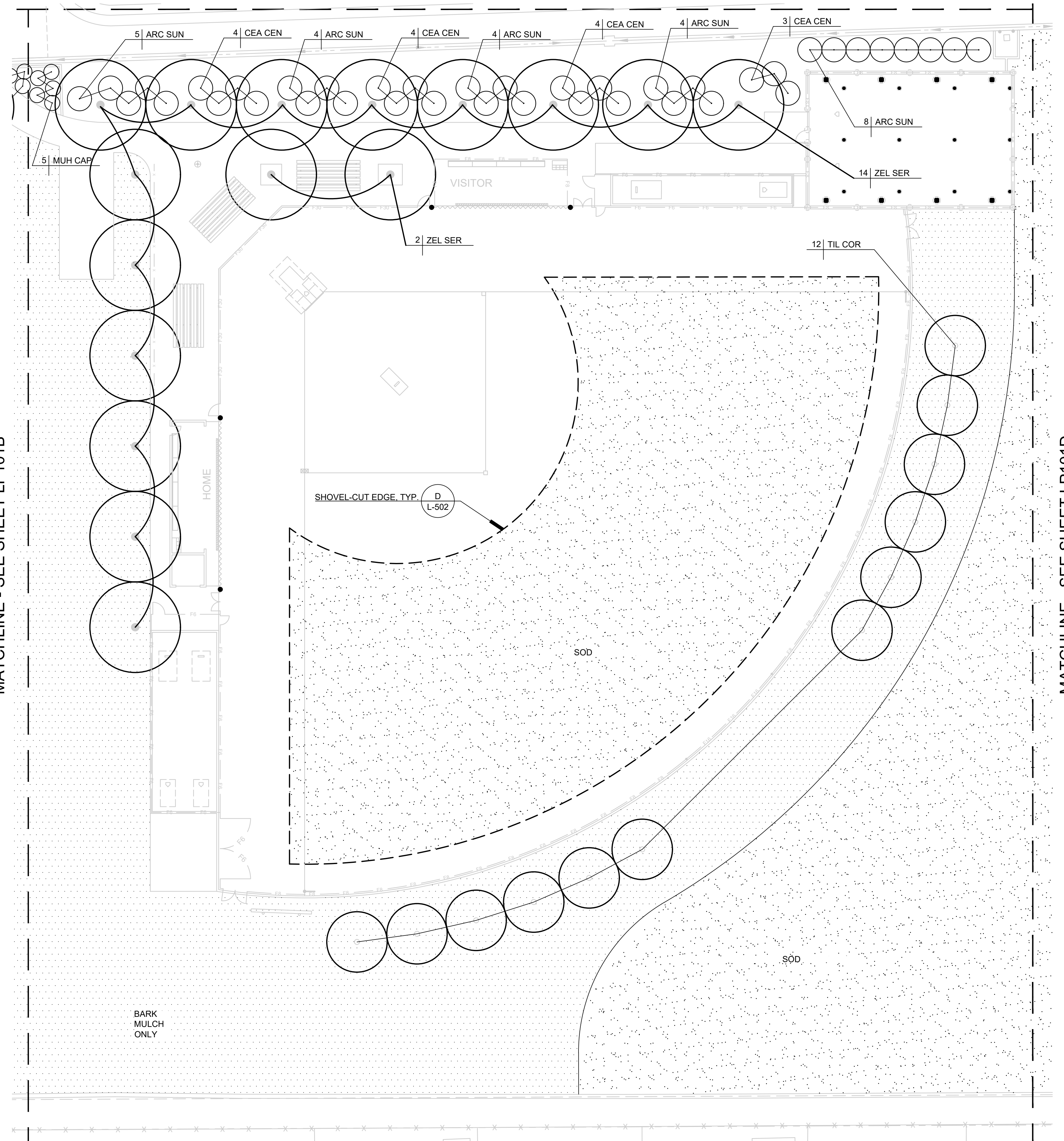
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AGENCY

TITLE
PLANTING PLAN

SHEET
LP101C

ANLA PROJECT NO. 2318



MATCHLINE - SEE SHEET LP101B

MATCHLINE - SEE SHEET LP101D

BARK
MULCH
ONLY

SOD

SOD

SHOVEL-CUT EDGE, TYP
D
L-502

HOME

VISITOR

14 ZEL SER

12 TIL COR

2 ZEL SER

8 ARC SUN

4 CEA CEN

4 ARC SUN

4 CEA CEN

4 ARC SUN

4 CEA CEN

4 ARC SUN

4 CEA CEN

4 ARC SUN

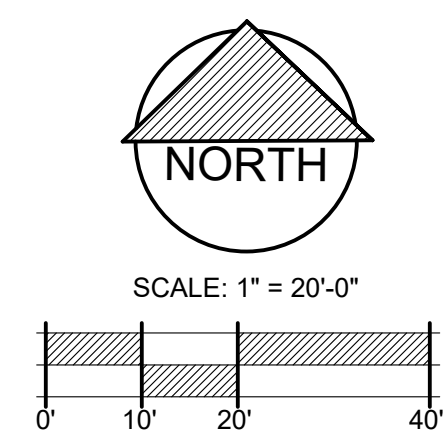
5 ARC SUN

5 MUH CAF

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0.14" 1/2"

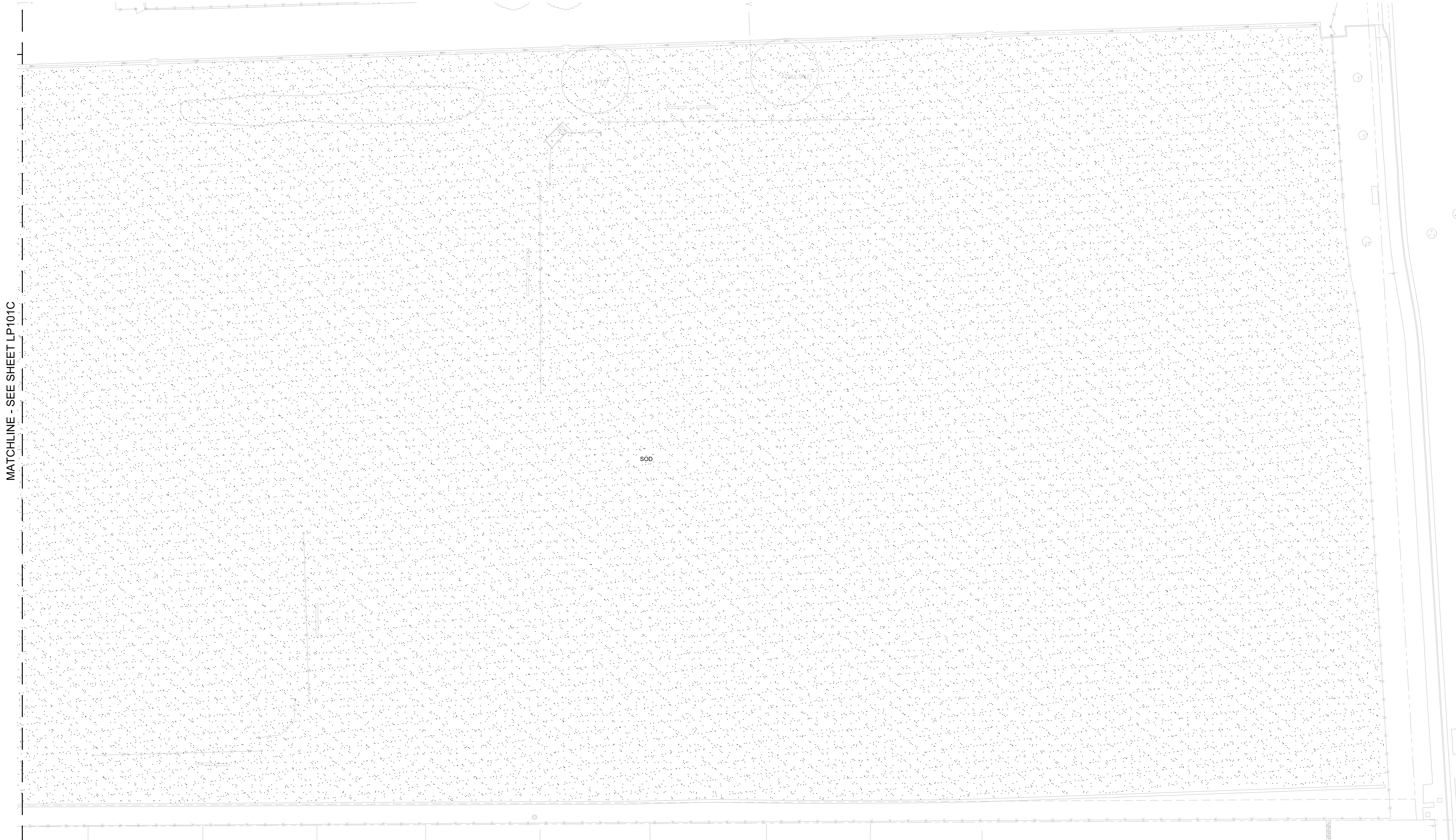
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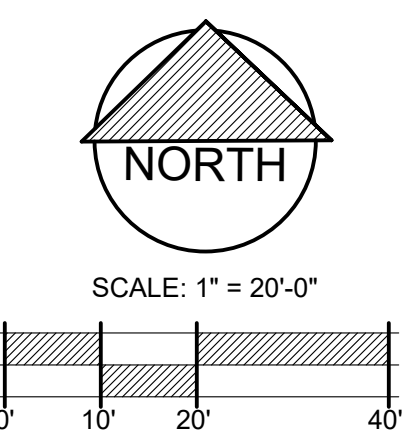
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SEE SHEET LP101A FOR PLANTING NOTES
AND LEGEND

BIDDING INSTRUCTIONS:
SOD SHOWN ON THIS SHEET SHALL BE
ADDITIVE ALTERNATE #1. BASE BID TO OMIT
SOD AND PRESERVE EXISTING TURF



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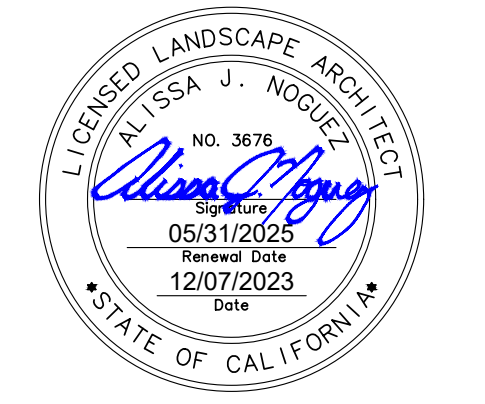
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LP101D

ANLA PROJECT NO. _____ 2318

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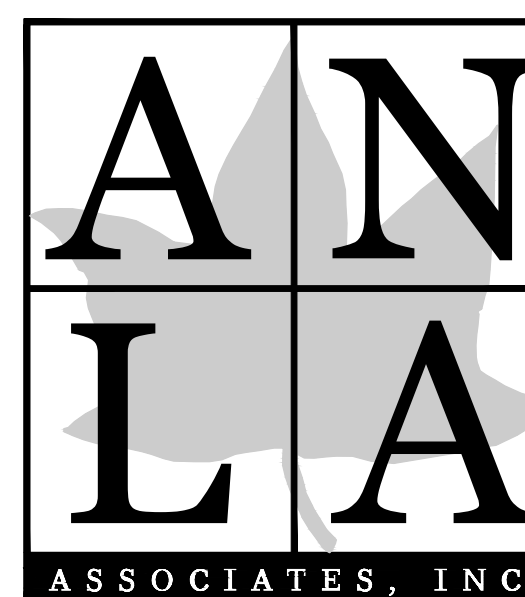
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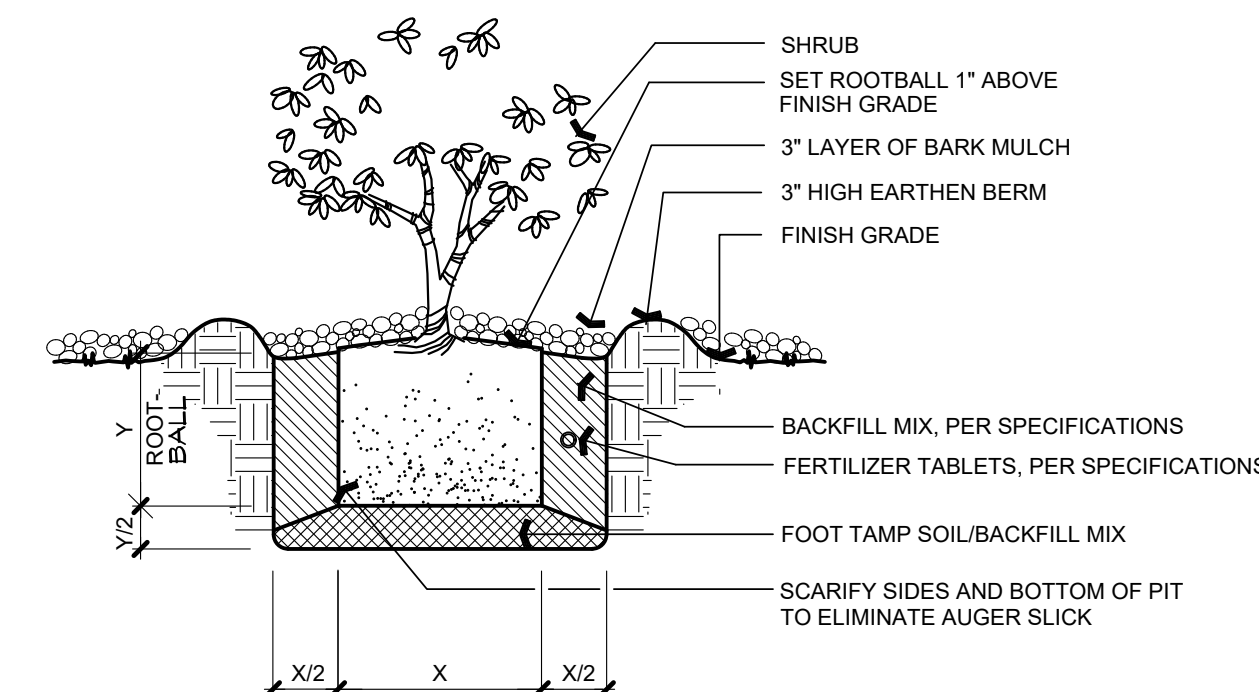
PLANTING DETAILS

SHEET

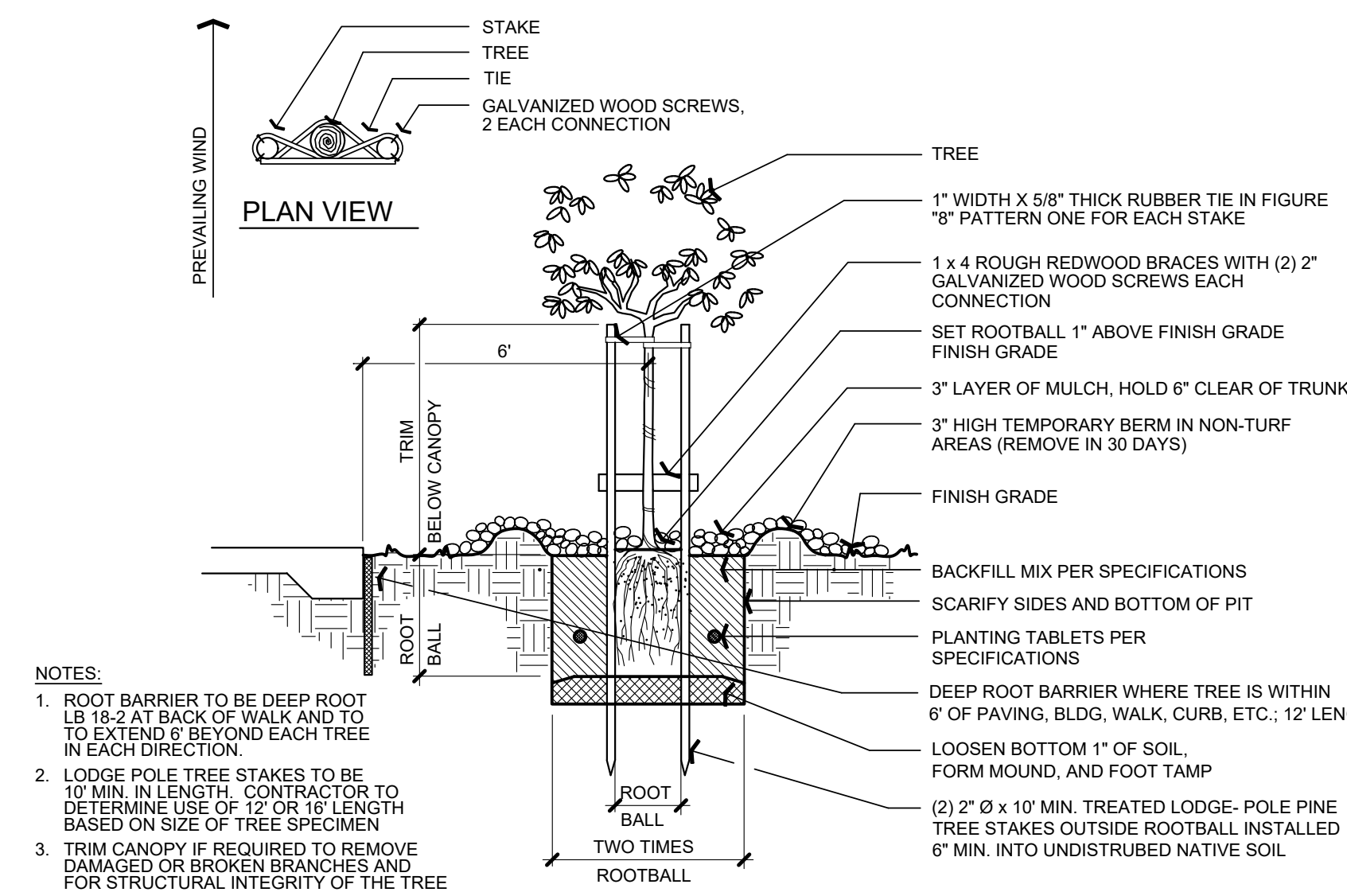
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ANLA PROJECT NO: _____

2318

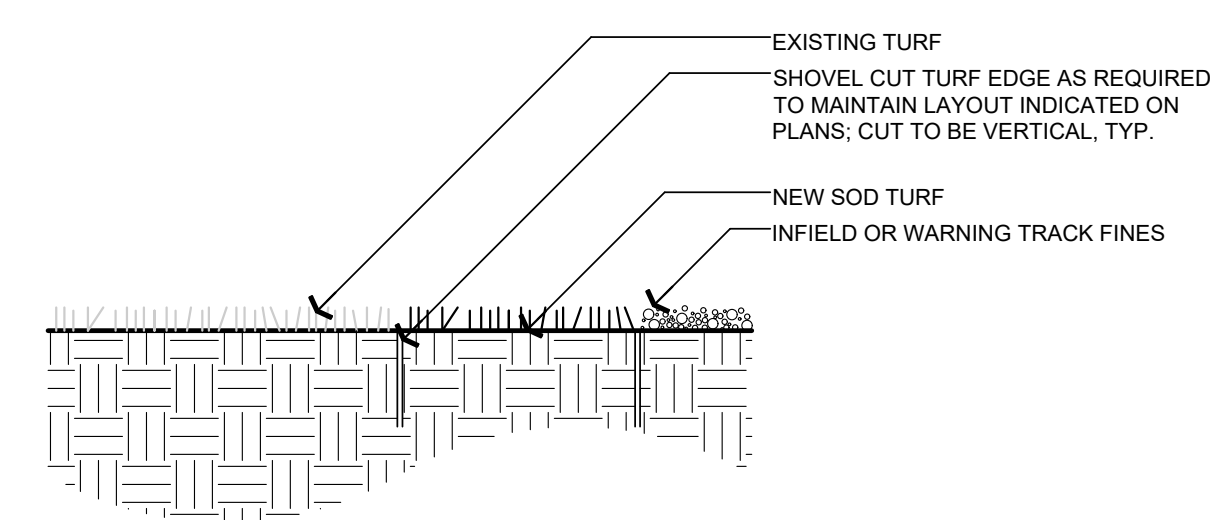


C SHRUB PLANTING SCALE: NTS

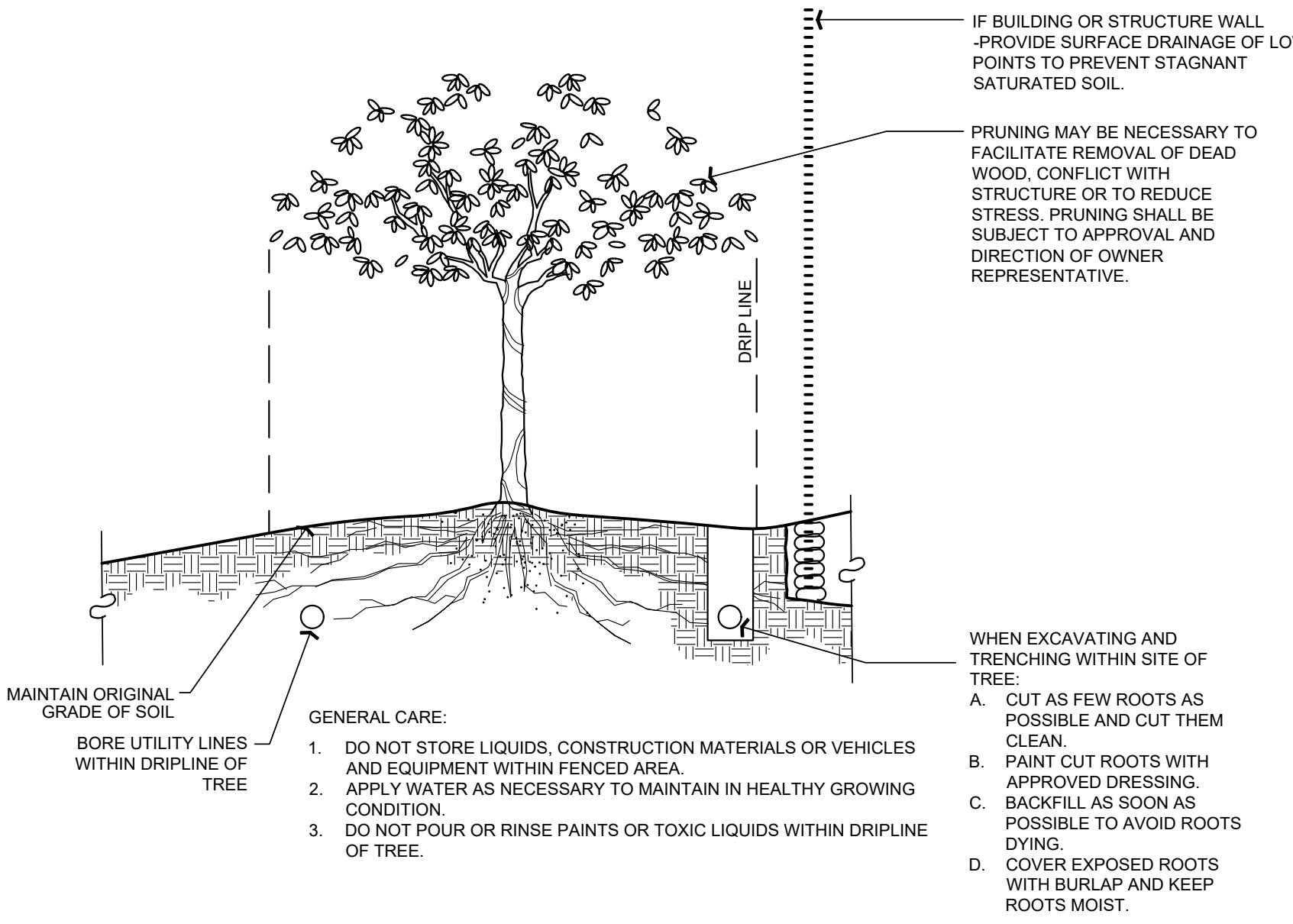


- NOTES:
- ROOT BARRIER TO BE DEEP ROOT LB 18" AT BACK OF WALK AND TO EXTEND 6' BEYOND EACH TREE IN EACH DIRECTION.
 - LODGE POLE TREE STAKES TO BE 30' MIN. IN LENGTH. CONTRACTOR TO DETERMINE USE OF 12" OR 16" LENGTH BASED ON SIZE OF TREE SPECIMEN.
 - TRIM CANOPY IF REQUIRED TO REMOVE DAMAGED OR BROKEN BRANCHES AND FOR STRUCTURAL INTEGRITY OF THE TREE.

B TREE PLANTING SCALE: NTS



D SHOVEL-CUT EDGE TURF SCALE: NTS



A TREE PROTECTION SCALE: NTS

I

F

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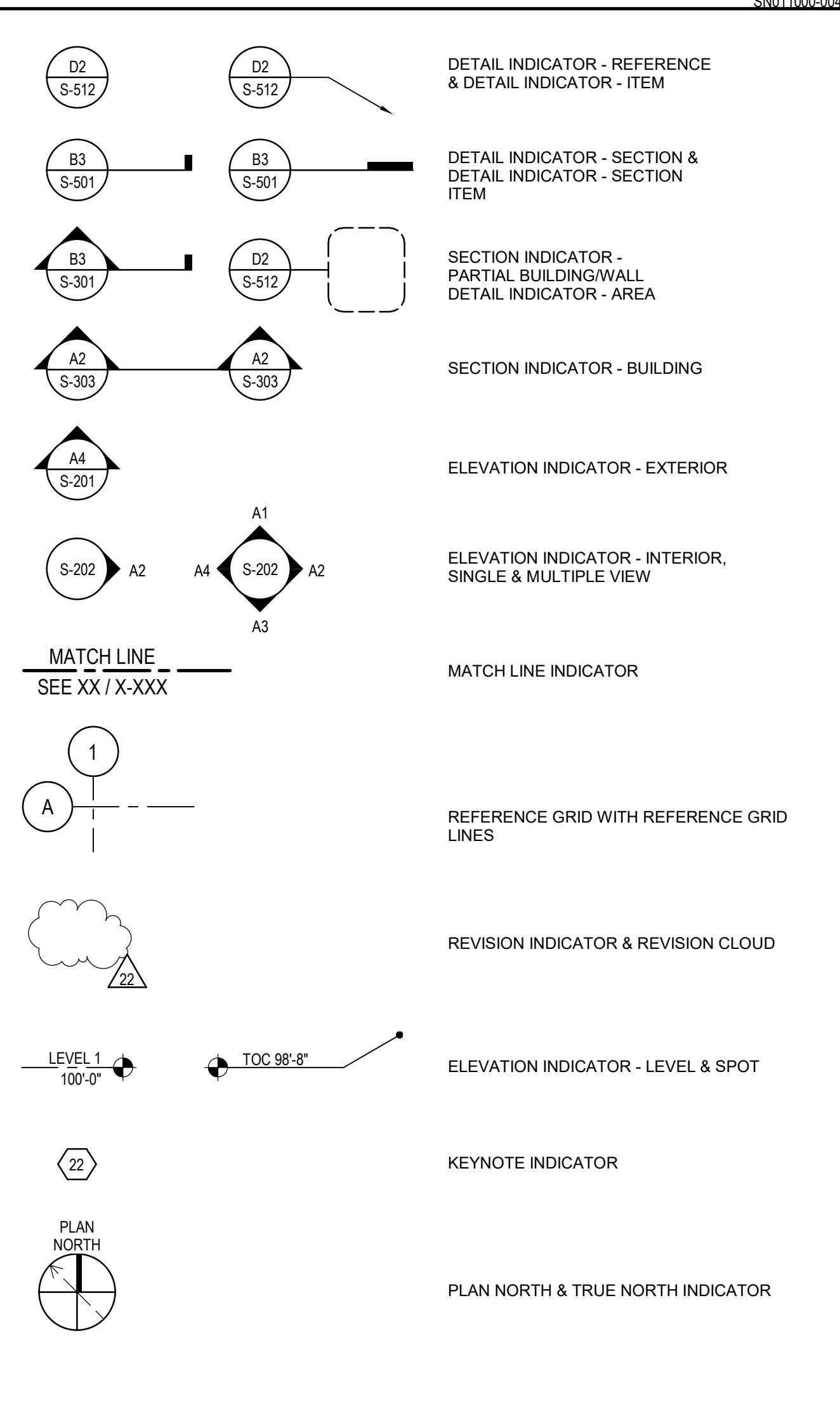
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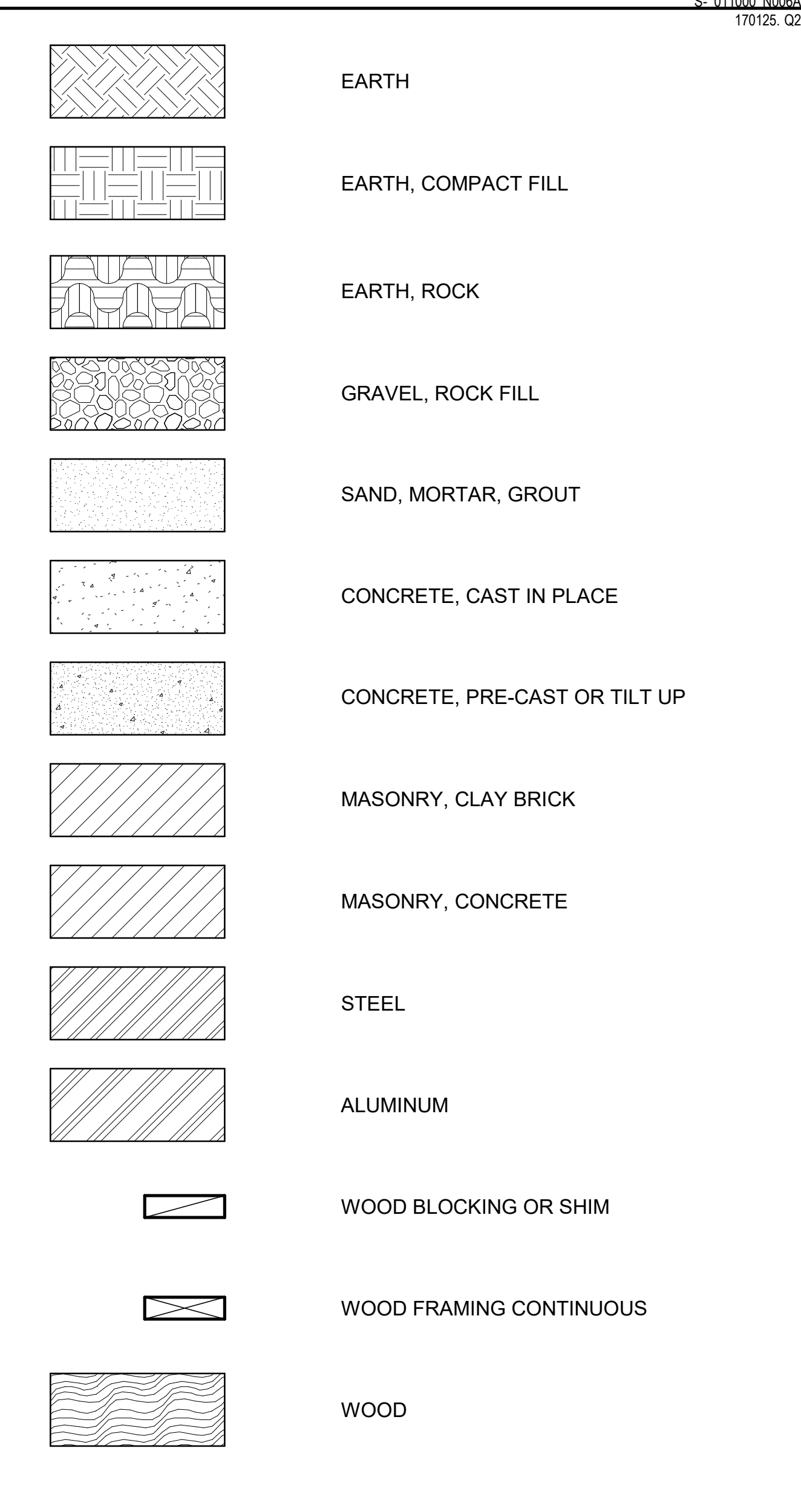
STRUCTURAL ABBREVIATIONS LEGEND

Table listing structural abbreviations and their corresponding full names, such as AND, AT, EXISTING, etc.

STRUCTURAL SYMBOLS LEGEND



MATERIAL SYMBOL LEGEND



STRUCTURAL GENERAL NOTES

- List of general notes regarding structural requirements, including references to construction documents, design criteria, and specific instructions for construction.

EXISTING CONSTRUCTION

- List of notes specifically addressing existing construction, detailing how to handle and document existing structural elements.

STRUCTURAL DESIGN CRITERIA

- Design criteria including building code (2022 CBC), enforcement agency (Division of the State Architect), and specific design requirements for wind, seismic, and soil.

FIRE / SMOKE PROTECTION OF STRUCTURE

- Fire and smoke protection requirements, detailing fire resistance ratings, fireproofing methods, and structural member protection.

PROJECT DIRECTORY

Table listing project information, including owner (SAC City Unified School District), structural engineer (Lionakis), and landscape architect (ANLA Associates, Inc.).

STRUCTURAL SHEET INDEX

Sheet index table showing sheet numbers (S-001 to S-541) and their corresponding sheet names.

Professional seal and identification stamp for the State Architect, including the name of the architect and the project name.

LIONAKIS logo and contact information for the firm, including address and phone numbers.

Project title block: LUTHER BURBANK HIGH SCHOOL ATHLETIC FIELDS RENOVATION, 3500 FLORIN ROAD, SACRAMENTO, CA 95823.

ISSUED table with columns for MARK, DATE, and DESCRIPTION, listing key milestones like DSA SUBMITTAL and DSA APPROVAL.

MANAGEMENT table with columns for LIONAKIS PROJECT NO., DSA APPLICATION NO., CLIENT PROJECT NO., and COPYRIGHT.

GENERAL NOTES

STRUCTURAL SUBMITTALS

S: 013300 N002A 170125.02

- 1. SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO, SHOP DRAWINGS, FABRICATION DRAWINGS, PLACEMENT DRAWINGS, CALCULATIONS, DESIGNS, TEST DATA, PRODUCT DATA, SAMPLES, CERTIFICATIONS AND REPORTS AS REQUIRED BY THE CONSTRUCTION DOCUMENTS.
2. SUBMITTALS, AS A MINIMUM, SHALL CONSIST OF TWO (2) COPIES OF EACH SHEET.
3. SUBMITTALS SHALL NOT CONTAIN NOR CONSIST OF REPRODUCTIONS OF THE CONSTRUCTION DOCUMENTS...

STRUCTURAL OBSERVATION

S: 014500 N001A 170125.02

- 1. STRUCTURAL OBSERVATION IS THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM BY THE STRUCTURAL OBSERVER (THE STRUCTURAL ENGINEER OR OWNER'S DESIGNATED REPRESENTATIVE) FOR GENERAL CONFORMANCE TO THE ENFORCEMENT AGENCY APPROVED CONSTRUCTION DOCUMENTS...
2. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE BUILDINGS REQUIRED BY THE ENFORCEMENT AGENCY OR BY OTHER SECTIONS OF THE BUILDING CODE...
3. STRUCTURAL OBSERVATION DOES NOT INCLUDE THE SUPERVISION OF CONSTRUCTION FOR PROPER EXECUTION OF THE WORK SHOWN IN THE CONSTRUCTION DOCUMENTS...

FOUNDATION AND EARTHWORK

S: 033000 N001A 170125.02

- 1. ALL FOUNDATION AND EARTHWORK INCLUDING, BUT NOT LIMITED TO, EXCAVATION, GRADING, FILLING, SUB-GRADE PREPARATION, SOIL TREATMENT, ASSOCIATED SITE WORK, TRENCHING AND BACKFILLING SHALL BE PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
2. THE GEOTECHNICAL INFORMATION PROVIDED IS BASED UPON THE MINIMUM 'PRESUMPTIVE LOAD BEARING VALUES OF SOILS' CONTAINED IN THE BUILDING CODE.
3. THE GEOTECHNICAL INFORMATION PROVIDED IS NOT A WARRANTY OF THE SITE OR SUBSURFACE CONDITIONS...
4. AN OWNER-RETAINED SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER SHALL PROVIDE TESTING AND INSPECTION SERVICES DURING ALL FOUNDATION AND EARTHWORK...
5. NOTIFY THE SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER 48 HOURS IN ADVANCE OF THE TIME WHEN THE FOUNDATION EXCAVATIONS AND EARTHWORK WILL BE COMPLETE AND READY FOR FORMS OR REINFORCING PLACEMENT...

REINFORCED MASONRY

S: 042200 N001A 19805.02

- 1. MINIMUM REBAR COVER FROM EXTERNAL MASONRY SURFACES EXPOSED TO EARTH OR WEATHER SHALL BE 2" FOR #6 REBAR AND LARGER, AND 1 1/2" FOR #5 REBAR AND SMALLER. UNO. MINIMUM REBAR COVER FROM EXTERNAL MASONRY SURFACES NOT EXPOSED TO EARTH OR WEATHER SHALL BE 1 1/2". UNO.
2. COMPLETED MASONRY ASSEMBLIES SHALL ATTAIN A 28 DAY COMPRESSIVE STRENGTH (FM) OF 2,000 PSI MINIMUM. COMPRESSIVE STRENGTH SHALL BE VERIFIED BY THE UNIT STRENGTH METHOD.
3. HOLLOW AND SOLID CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 WITH A MAXIMUM OVEN DRY DENSITY OF 135 PCF. UNITS SHALL HAVE A NET AREA COMPRESSIVE STRENGTH OF 2,000 PSI MINIMUM.
4. MORTAR SHALL CONFORM TO ASTM C270-TYPE S.
5. MASONRY UNITS AND MORTAR SHALL CONFORM TO THE COLOR AND STYLE SPECIFIED BY THE ARCHITECT.

CONCRETE MIX DESIGN

S: 033000 N002B 230302.02

MIX DESIGN TABLE with columns: LOCATION, REQ SCM (% BY WEIGHT OF TOTAL EXEMPTIOUS MATERIALS), REQ EARLY COMPRESSIVE STRENGTH (PSI), REQ 28 DAY COMPRESSIVE STRENGTH (PSI), AIR CONTENT (%), MAX W/C RATIO, MAX AIR-DRY WEIGHT (LBS/FT3), ACI EXPOSURE CLASS.

IDENTIFICATION STAMP OF THE STATE ARCHITECT APP: 02-121593 INC. REVIEWED FOR DATE: 12/18/2023 LIONAKIS CONSULTANT 2025 Ninetenth Street Sacramento CA 95818

PROJECT LUTHER BURBANK HIGH SCHOOL ATHLETIC FIELDS RENOVATION 3500 FLORIN ROAD SACRAMENTO, CA 95823

ISSUED MARK DATE DESCRIPTION 09/10/2023 DSA SUBMITTAL 12/01/2023 DSA APPROVAL

STRUCTURAL TESTING & INSPECTION

S: 014500 N002A 191002.02

- 1. SPECIAL INSPECTION IS DEFINED AS THE INSPECTION OF THE MATERIALS, INSTALLATION, FABRICATION, ERECTION OR PLACEMENT OF COMPONENTS AND CONNECTIONS REQUIRING SPECIAL EXPERTISE TO ENSURE COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.
2. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS DURING CONSTRUCTION FOR ITEMS NOTED IN USA FORM 103.
3. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE ENFORCEMENT AGENCY AND THE ARCHITECT/STRUCTURAL ENGINEER, FOR THE INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

STRUCTURAL STEEL

R: 051200 N001A 230302.02

- 1. THE FABRICATION OF STEEL SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS.
2. STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING. UNO ON PLANS.
STEEL PRODUCT ASTM SPECIFICATION, UNO COMMENTS
W & WT SHAPES A592, GRADE 50 Fy = 50ksi
ANGLES A36 Fy = 36ksi
PLATES & BARS A36, TYP. UNO Fy = 36ksi
PIPES A53, GRADE B Fy = 35ksi
BOLTS A307, GRADE A, HEX Fy = 60ksi
WASHERS F344 Fy = 36ksi
PLATE WASHERS A36 Fy = 36ksi
NUTS FOR BOLTS & RODS A307, GRADE A, TYP. UNO
ANCHOR BOLTS & RODS F1554, CLASS 2A, S3 GRADE 36 TYP. UNO Fy = 36ksi
3. ALL EXPOSED EXTERIOR STEEL & FASTENERS SHALL BE HOT-DIPPED GALVANIZED, UNO.

STEEL DECKING

S: 063100 N001A 230103.02

- 1. STEEL DECKING WORK, MATERIALS, CONSTRUCTION AND QUALITY SHALL BE IN ACCORDANCE WITH THE BUILDING CODE.
2. PRODUCTS SHALL POSSESS CURRENT EVALUATION AGENCY APPROVALS WITH SECTION DIMENSIONS, PROPERTIES AND MATERIALS IN COMPLIANCE WITH THE THE TYPICAL DETAILS. SEE CONSTRUCTION DOCUMENTS FOR STEEL DECK TYPE AND GAGE.
3. WELDING MATERIALS AND PROCEDURES SHALL CONFORM TO AWS D1.3. WELDING TO STRUCTURAL STEEL SHALL ALSO CONFORM TO AWS D1.1. ELECTRODES USED FOR WELDING SHALL HAVE A MINIMUM 60KSI FILLER METAL YIELD STRENGTH.
4. BARE STEEL DECK SHALL BE MANUFACTURED BY: *VERCO PER IAPMO ER 2018

REINFORCED CONCRETE

S: 033000 N002A 180809.02

- 1. CONCRETE MATERIALS, QUALITY CONTROL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318.
2. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE II.
3. AGGREGATES SHALL CONFORM TO ASTM C33 FOR NORMAL-WEIGHT AND ASTM C330 FOR LIGHTWEIGHT CONCRETE. MAXIMUM AGGREGATE SIZE USED IN MIXES SHALL BE APPROPRIATE FOR FORM AND REBAR CLEARANCES TO BE ENCOUNTERED.
4. REINFORCING STEEL SHALL CONFORM TO ASTM A706, GRADE 60, OR ASTM A615, GRADE 60.
5. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706, GRADE 60. WELD FILLER METAL FOR REINFORCING STEEL SHALL CONPLY WITH AWS D1.4, Fw#80 KSI. WELDING SHALL CONFORM WITH AWS D1.4.
6. WELDED WIRE REINFORCEMENT SHALL BE COMPOSED OF FLAT SHEETS AND CONFORM TO ASTM A1064.
7. DIMENSIONS LOCATING REINFORCING STEEL ARE TO THE FACE OF REINFORCING STEEL AND DENOTE CLEAR COVERAGE. MINIMUM CONCRETE COVER SHALL BE AS FOLLOWS, UNO:
A. CONCRETE CAST AGAINST EARTH (EXCEPT SLAB ON GRADE) - 3"
B. CONCRETE FORMED & EXPOSED TO EARTH OR WEATHER:
- #6 THRU #18 BARS - 2"
- #6 BAR, W/1 OR D31 WIRE, & SMALLER - 1 1/2"
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND:
- BEAMS & COLUMNS - 1 1/2"
- SLABS & WALLS: #4 #18 BARS - 1 1/2", #11 BAR & SMALLER - 3/4"

REINFORCED CONCRETE

S: 033000 N002B 180809.02

- 1. CONCRETE MATERIALS, QUALITY CONTROL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318.
2. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE II.
3. AGGREGATES SHALL CONFORM TO ASTM C33 FOR NORMAL-WEIGHT AND ASTM C330 FOR LIGHTWEIGHT CONCRETE. MAXIMUM AGGREGATE SIZE USED IN MIXES SHALL BE APPROPRIATE FOR FORM AND REBAR CLEARANCES TO BE ENCOUNTERED.
4. REINFORCING STEEL SHALL CONFORM TO ASTM A706, GRADE 60, OR ASTM A615, GRADE 60.
5. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706, GRADE 60. WELD FILLER METAL FOR REINFORCING STEEL SHALL CONPLY WITH AWS D1.4, Fw#80 KSI. WELDING SHALL CONFORM WITH AWS D1.4.
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C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND:
- BEAMS & COLUMNS - 1 1/2"
- SLABS & WALLS: #4 #18 BARS - 1 1/2", #11 BAR & SMALLER - 3/4"

CONCRETE MIX DESIGN

S: 033000 N002B 230302.02

Table with columns: LOCATION, REQ SCM (% BY WEIGHT OF TOTAL EXEMPTIOUS MATERIALS), REQ EARLY COMPRESSIVE STRENGTH (PSI), REQ 28 DAY COMPRESSIVE STRENGTH (PSI), AIR CONTENT (%), MAX W/C RATIO, MAX AIR-DRY WEIGHT (LBS/FT3), ACI EXPOSURE CLASS.

TYPICAL NOTES LIONAKIS CONSULTANT 2025 Ninetenth Street Sacramento CA 95818 PROJECT LUTHER BURBANK HIGH SCHOOL ATHLETIC FIELDS RENOVATION 3500 FLORIN ROAD SACRAMENTO, CA 95823

0 1/4" = 1'

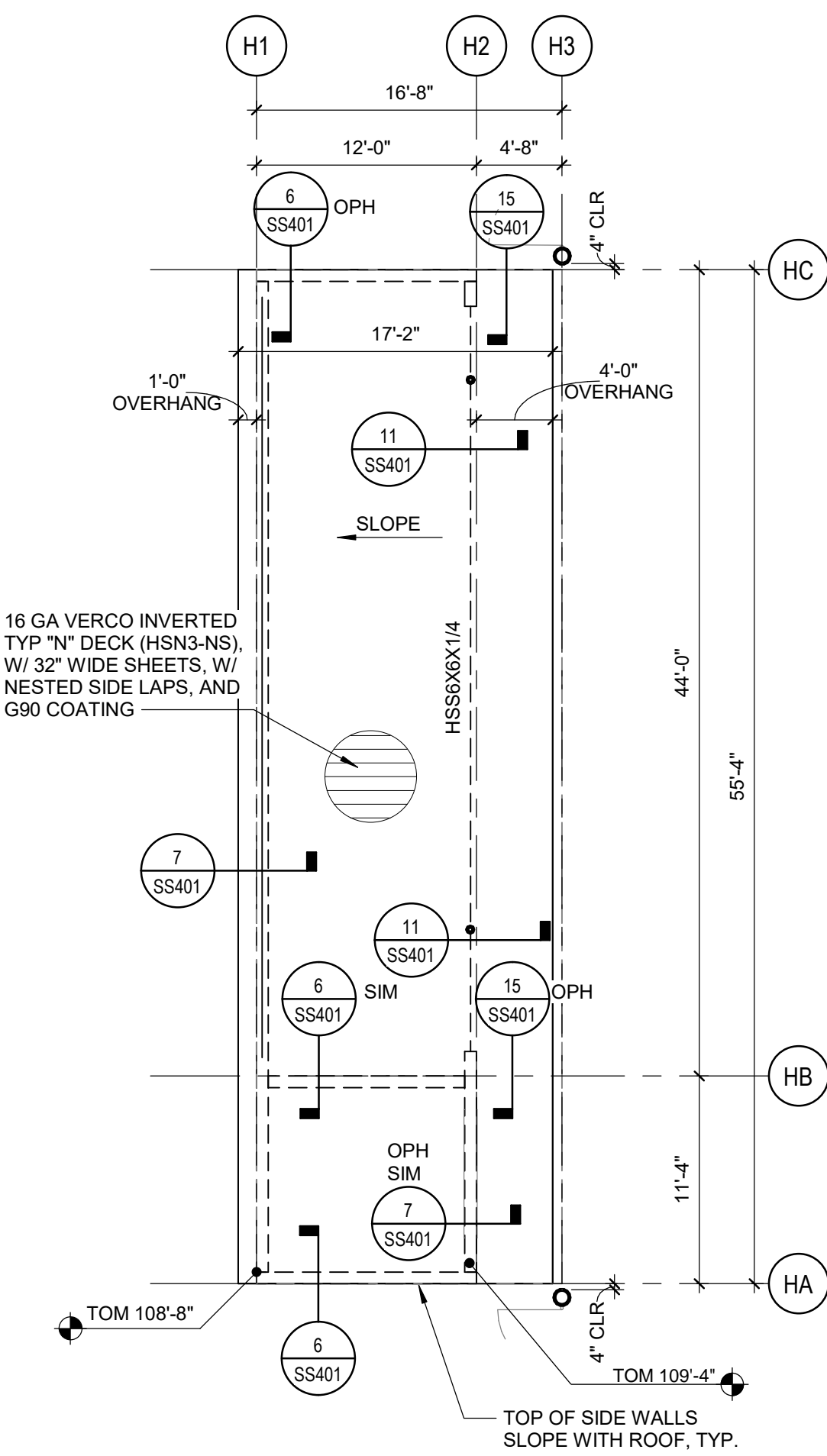
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C

B

BM 100.002041 SOUTH BURNBANK HS F146602041_ARCHITECT_ECOL_CENTRAL.rvt

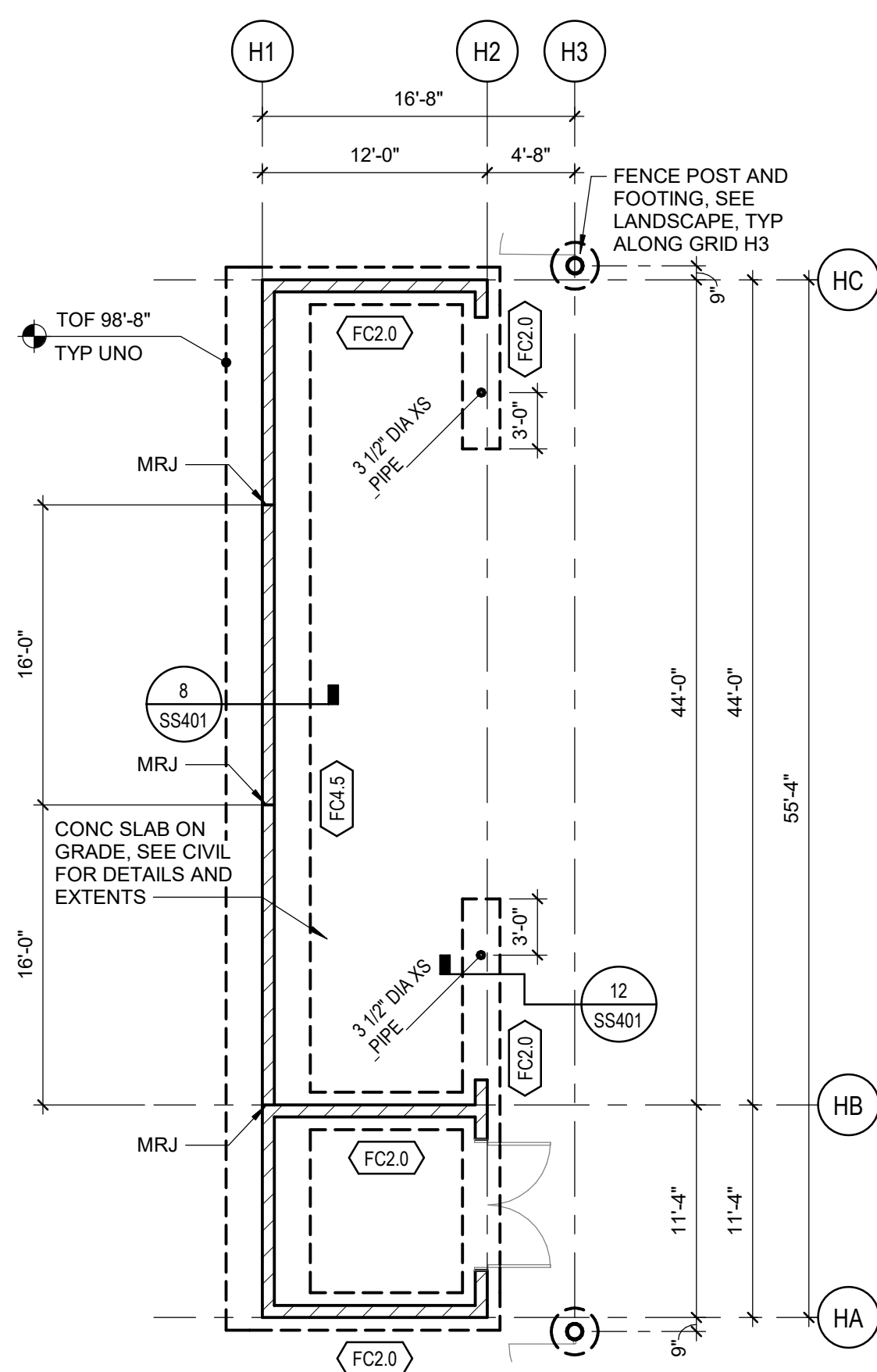
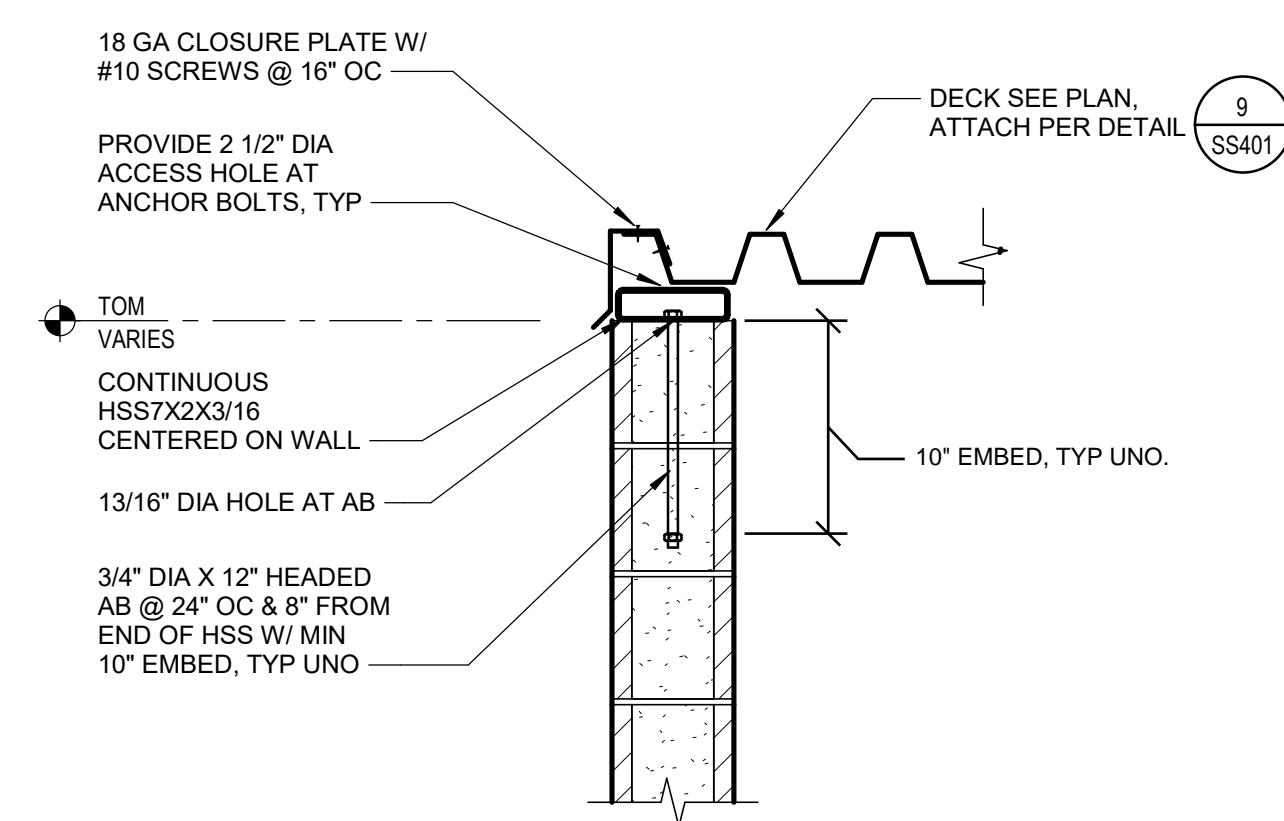
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2 ENLARGED PLAN - ROOF FRAMING - HOME DUGOUT
SCALE 1/8" = 1'-0"



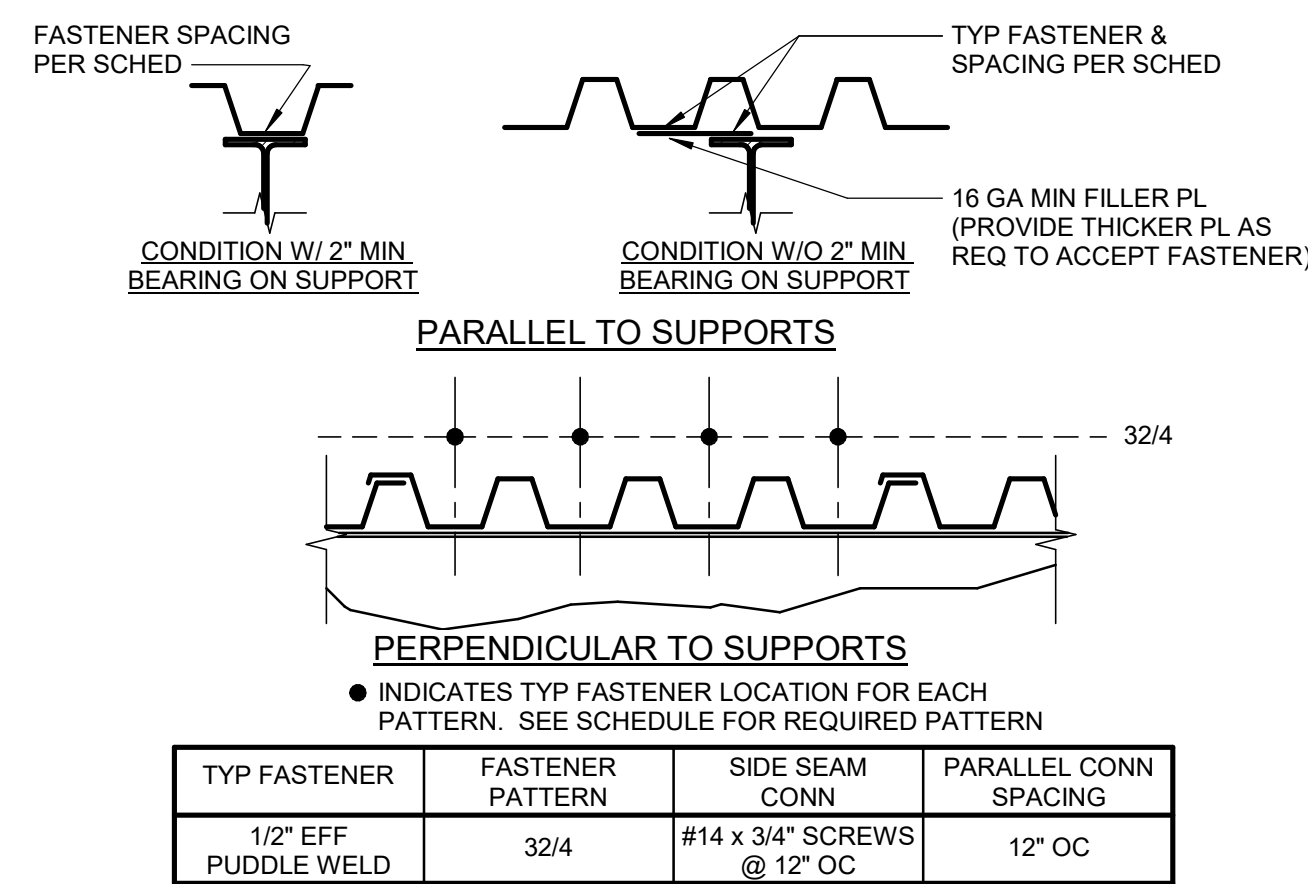
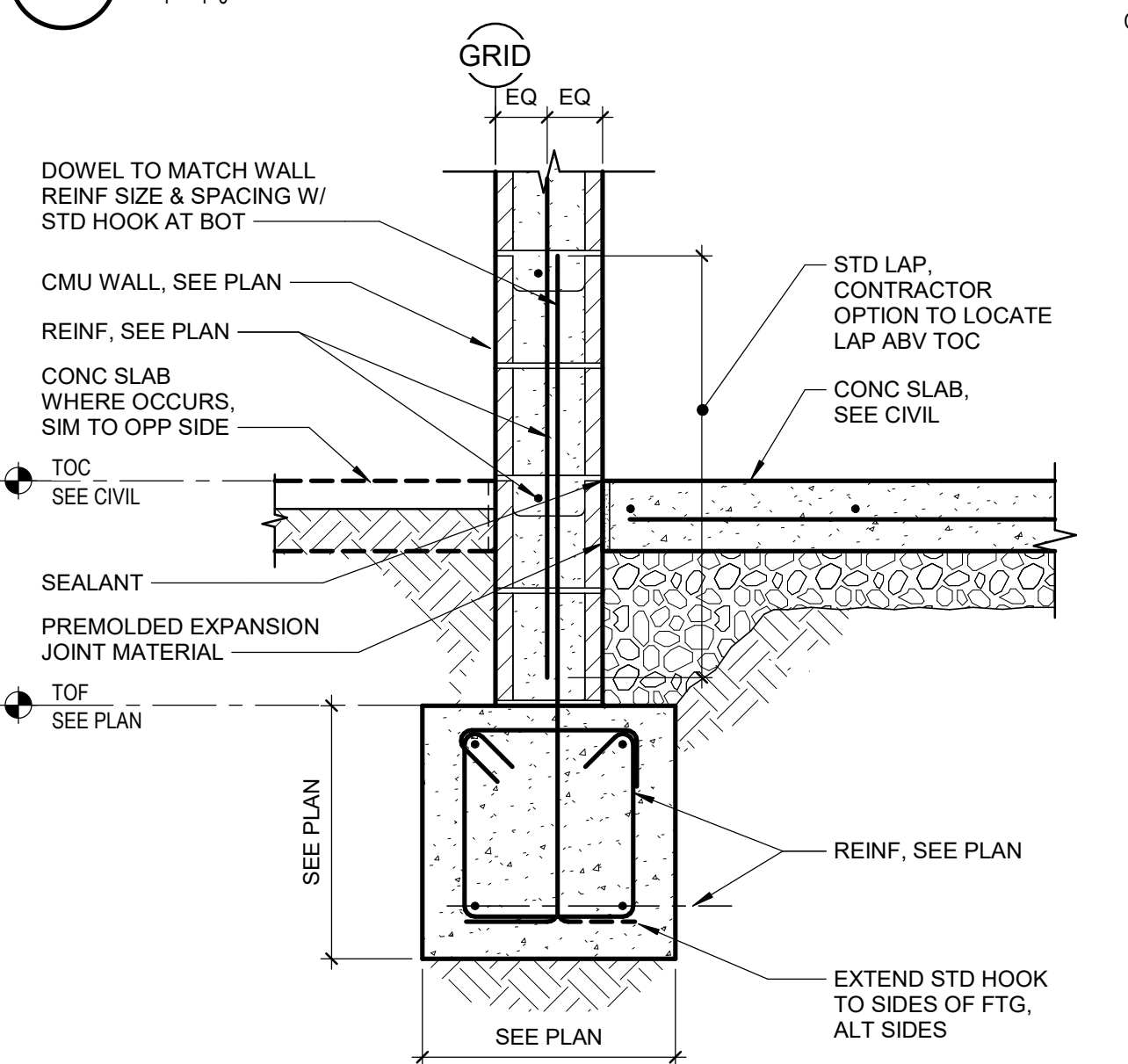
6 DETAIL
1" = 1'-0"



4 ENLARGED PLAN - FOUNDATION - HOME DUGOUT
SCALE 1/8" = 1'-0"

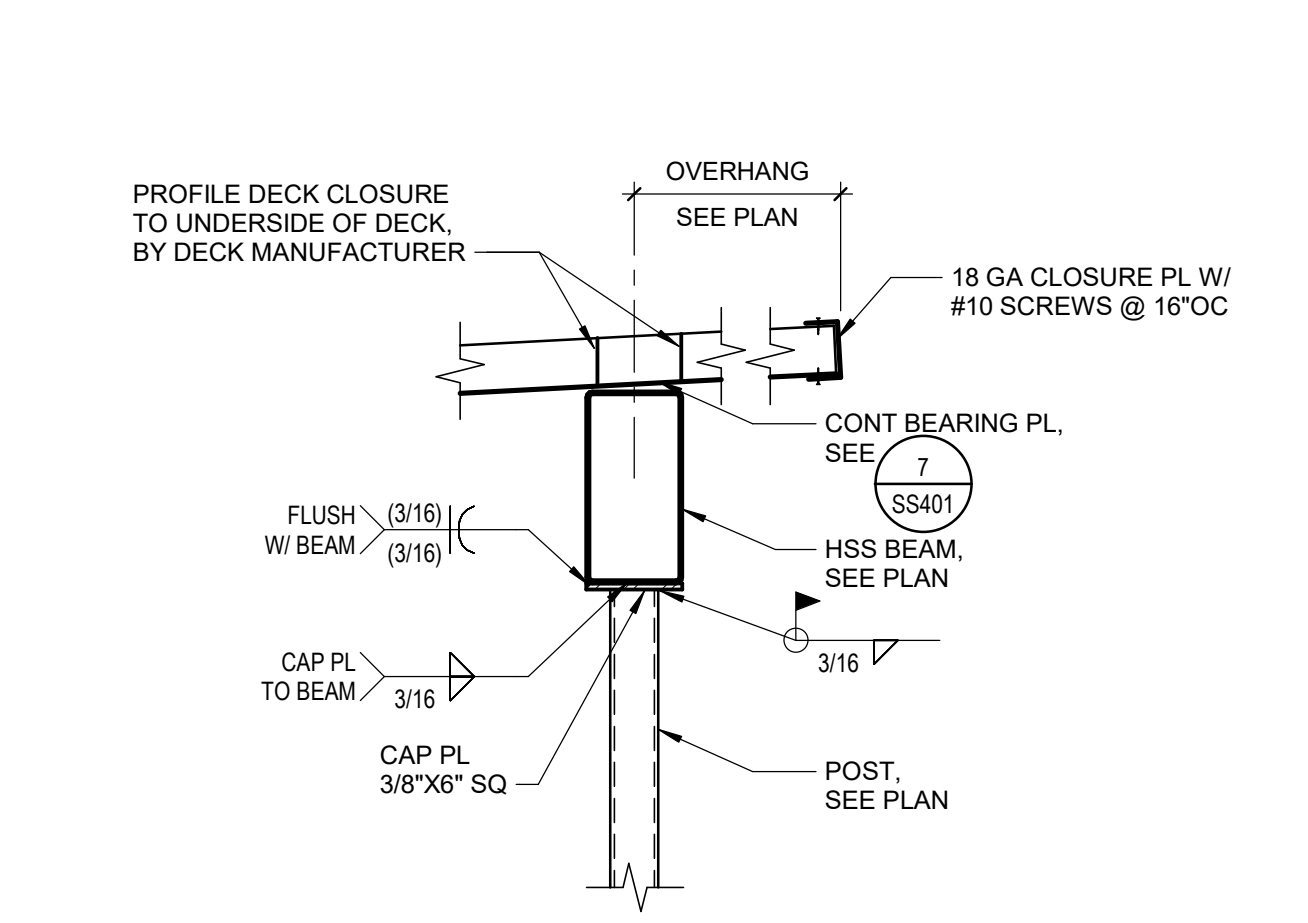


8 DETAIL
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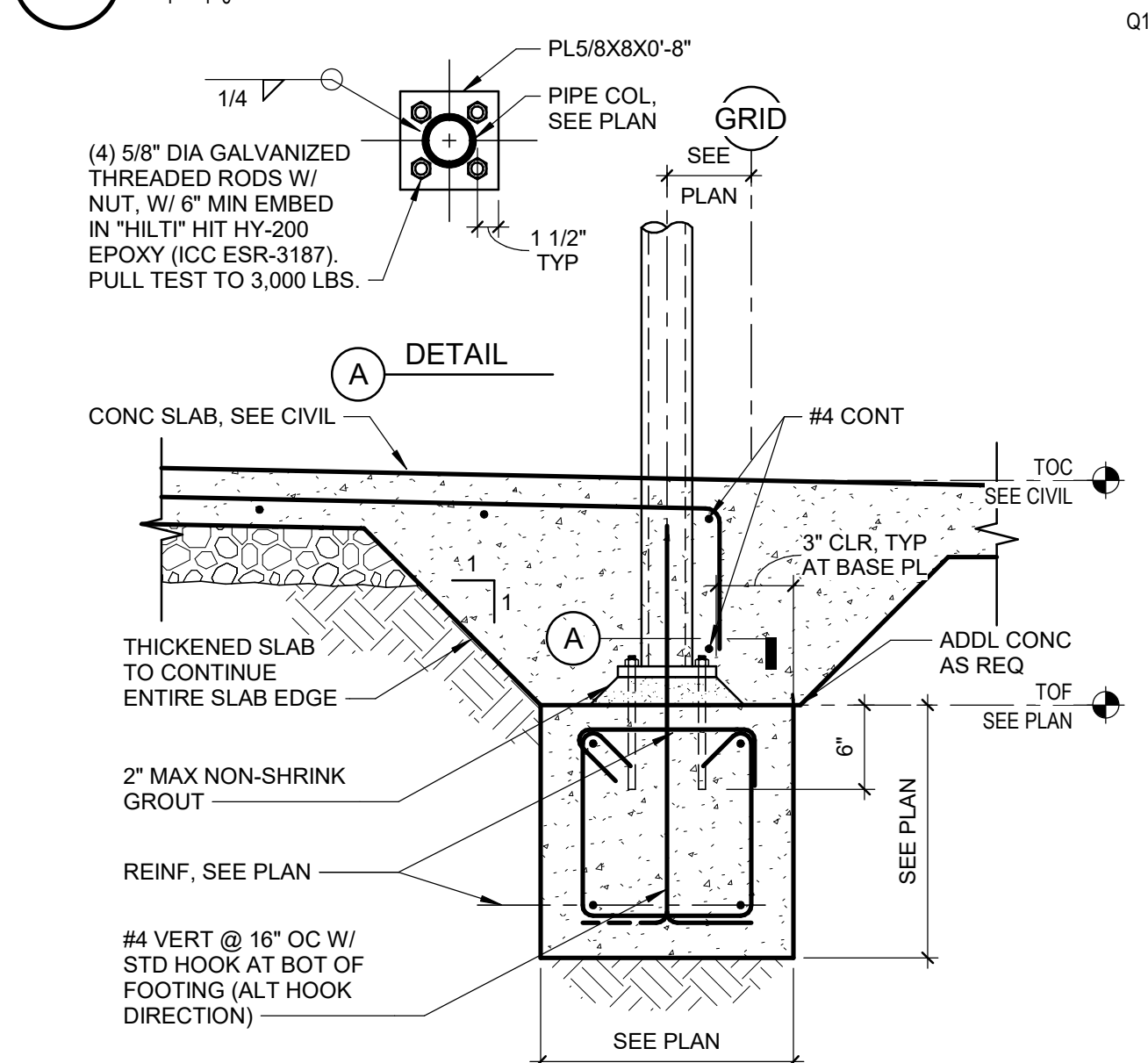


9 TYP 3" INVERTED TYPE 'N' NON-COMPOSITE STEEL DECK ATTACHMENT
1" = 1'-0"

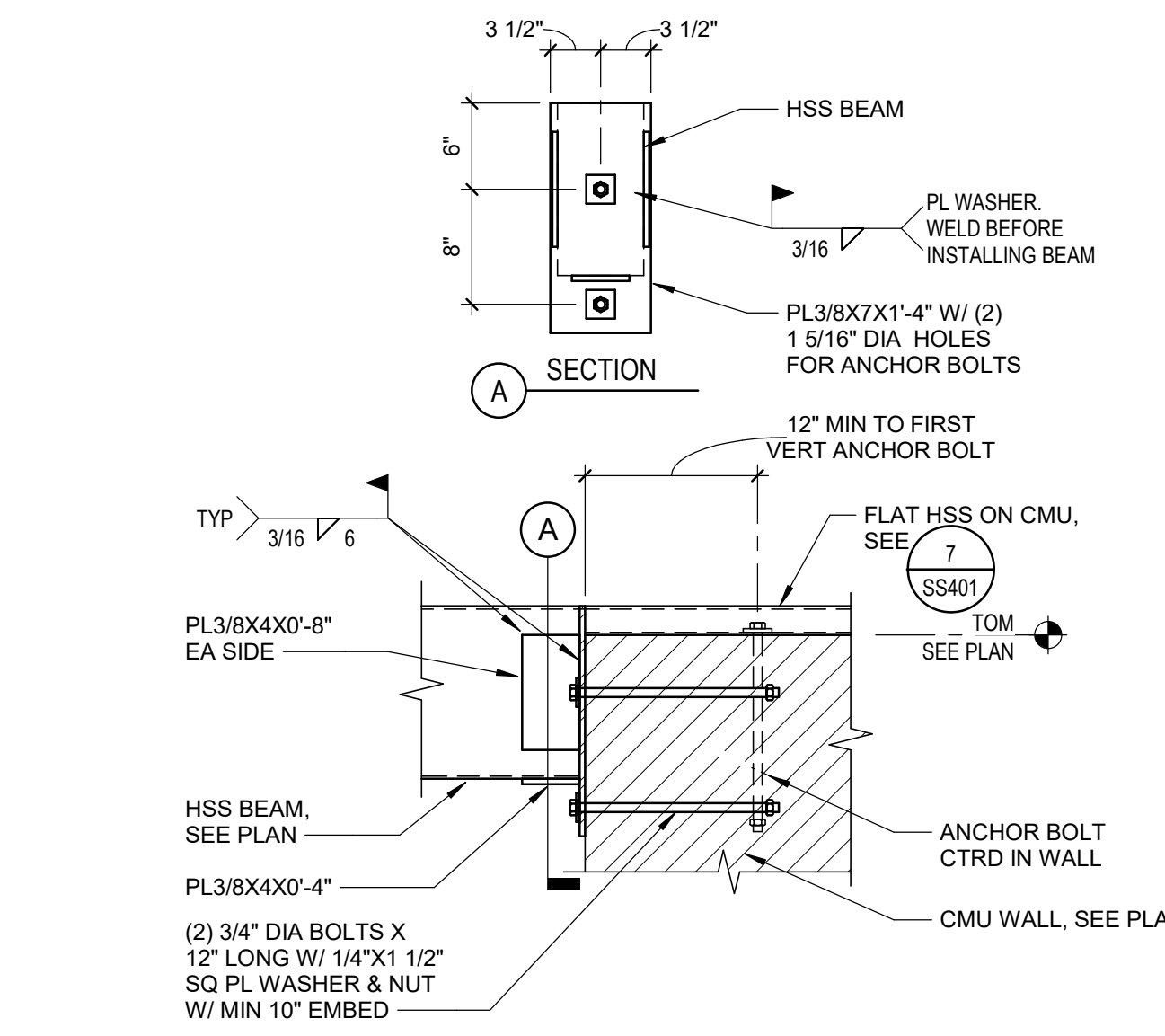
13 DECK PROFILE / PROPERTIES
1" = 1'-0"



11 DETAIL
1" = 1'-0"



12 DETAIL
1" = 1'-0"



15 DETAIL
1" = 1'-0"

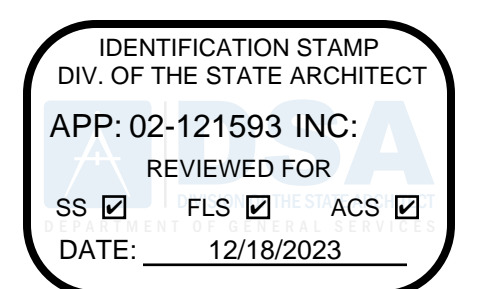
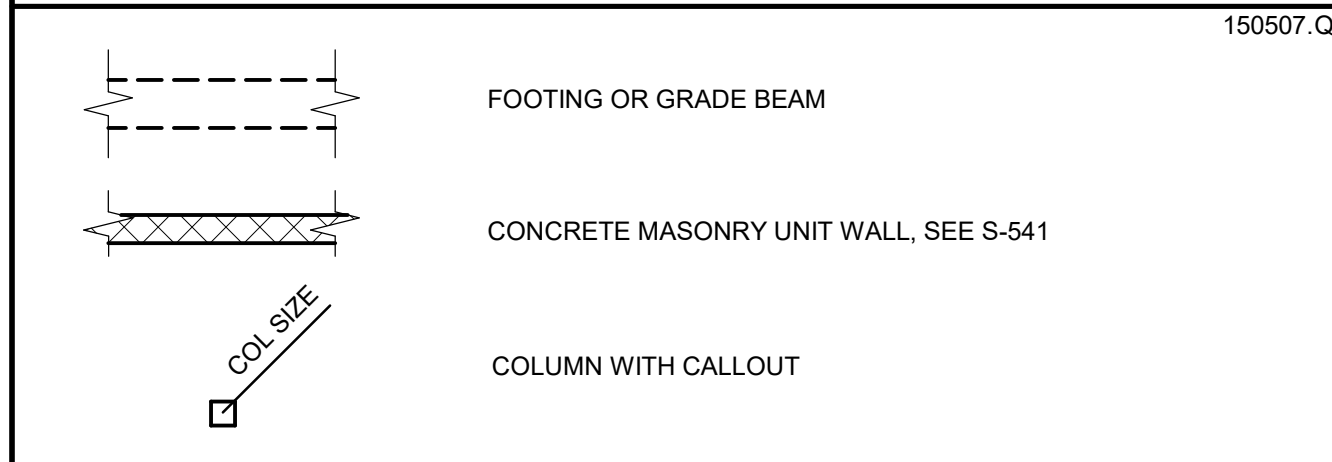
NOTES

- SEE S-000 SHEETS FOR GENERAL NOTES & S-500 SHEETS FOR TYPICAL DETAILS.
- DIMENSIONS ARE TO FOM OR CENTERLINE OF COLUMNS/POSTS, UNO.
- SEE ARCH & OTHER CONSULTANT DWGS FOR DIMENSIONS & LOCATIONS OF WALL OPENINGS.
- SEE CIVIL DWGS FOR DIMENSIONS OF SLOPED SLABS.
- SEE CIVIL DRAWINGS AND SPECIFICATIONS FOR ENGINEERED FILL.
- EXTERIOR CONCRETE FLATWORK IS NOT SHOWN, SEE CIVIL & ARCH DWGS.
- ALL MASONRY WALLS ARE 8" CMU GROUTED SOLID W/ STD REINF, TYP UNO, SEE 19/ S-541
- ALL SCREWS ON DECK TO BE GALVANIZED AND HAVE NEOPRENE WASHERS.
- CLOSURE PLATES TO BE PAINTED, ARCHITECT TO DETERMINE COLOR.

SCHEDULES

TYPE	WIDTH	DEPTH	REINFORCEMENT
FC2.0	2'-0"	2'-0"	(2) #5 CONT T&B W/ #4 TIES @ 16" OC
FC4.5	4'-6"	2'-0"	(5) #5 CONT T&B W/ #4 TIES @ 16" OC

LEGEND



LIONAKIS

2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900 F 916.558.1919
www.lionakis.com

CONSULTANT

PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

MANAGEMENT	DATE	DESCRIPTION
LIONAKIS PROJECT NO.	023041	
DSA APPLICATION NO.	02-121610	
CLIENT PROJECT NO.		
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TITLE
ENLARGED PLAN - HOME DUGOUT

SHEET
SS401

0 1/4" 1/2" 1"

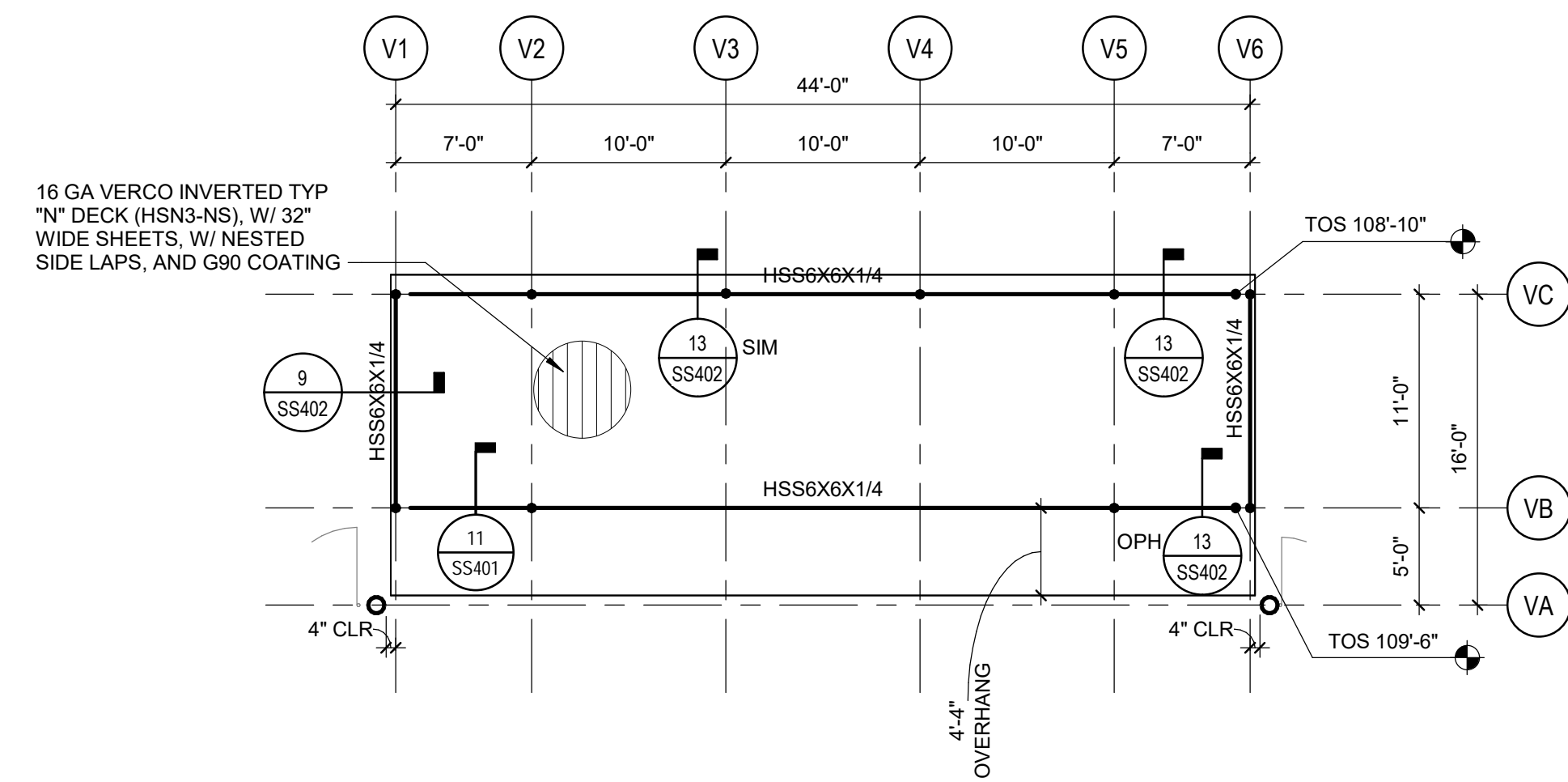
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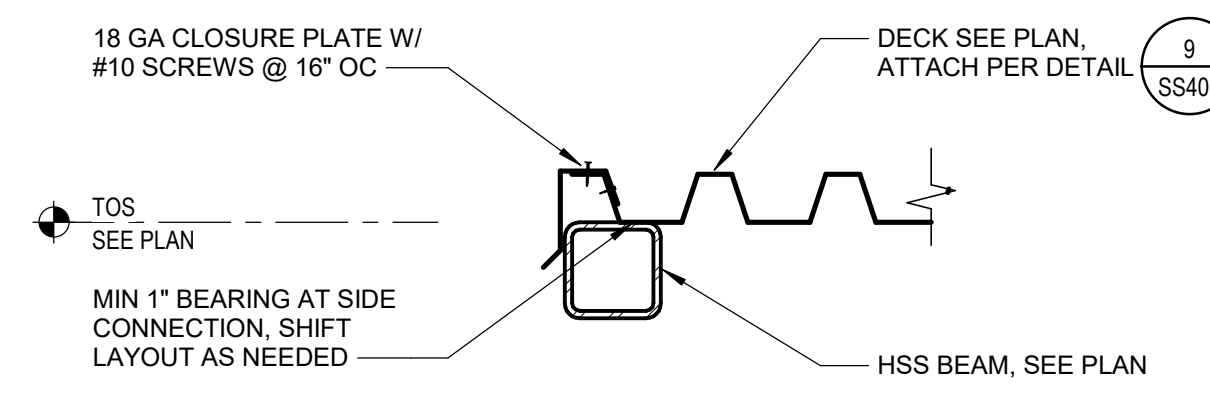
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BM 0301023041_SQUAD Burbank HS Plans 02/04/24_ARCHISTE_EOL_CENTRAL.rvt

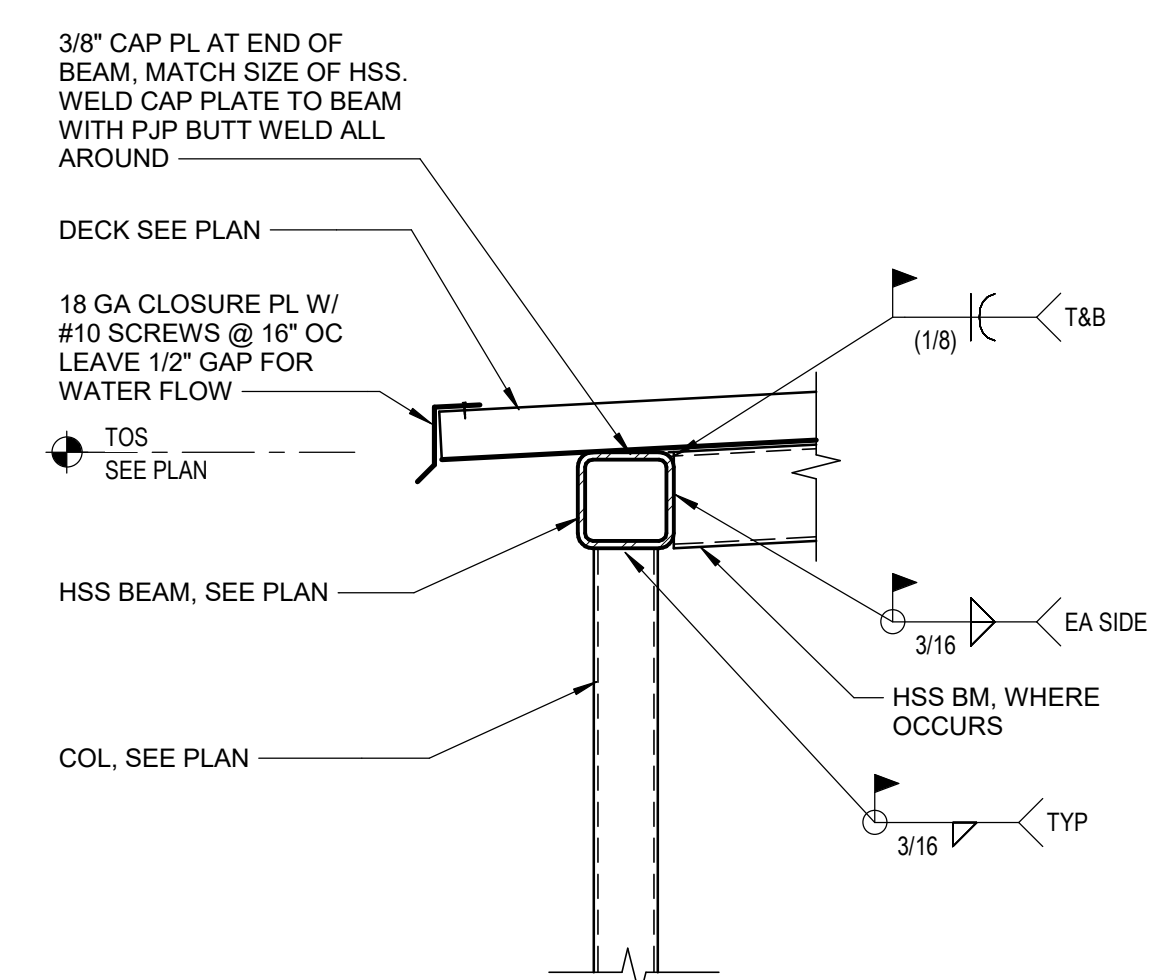
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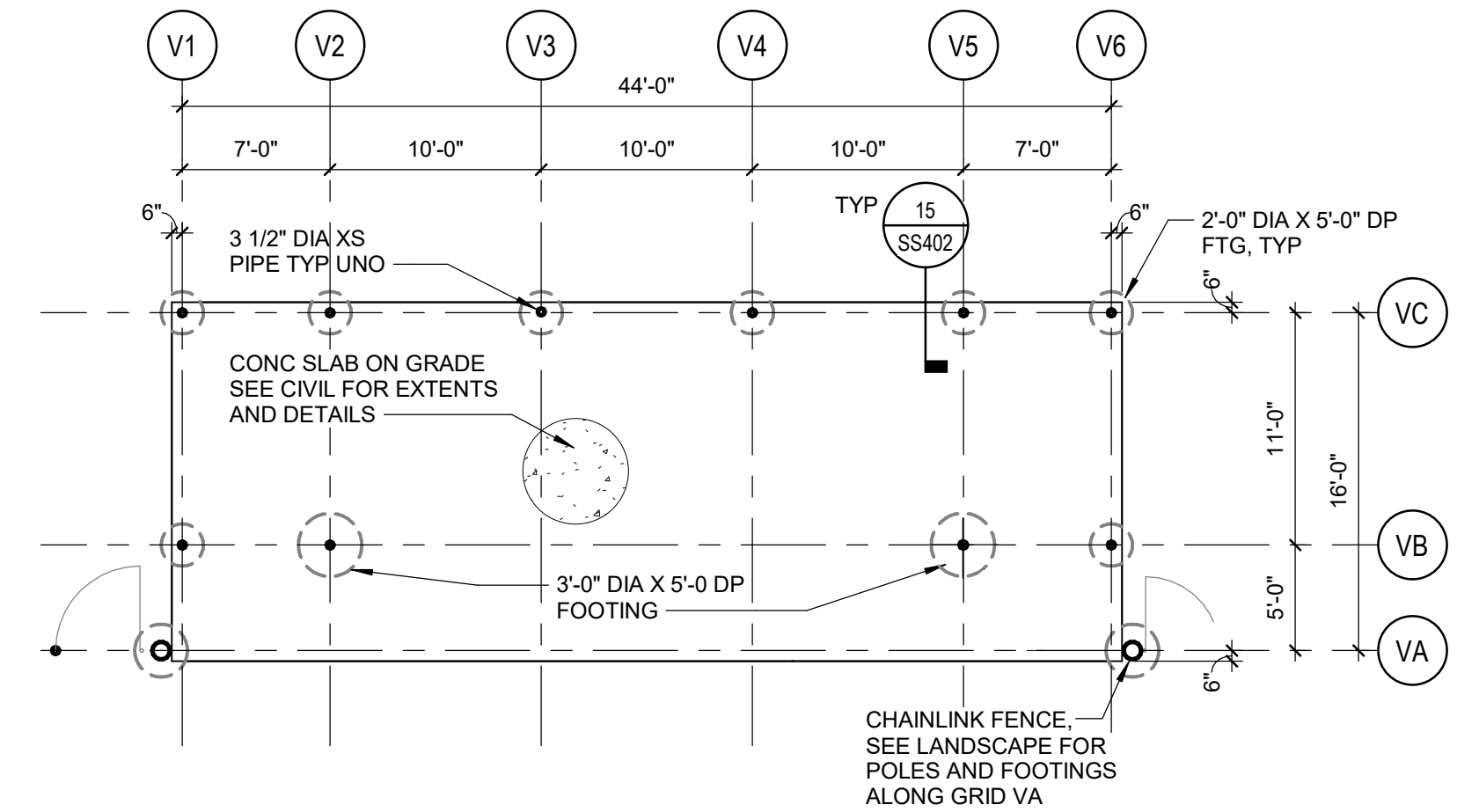
1 ENLARGED PLAN - ROOF FRAMING - VISITOR DUGOUT
SCALE 1/8" = 1'-0"



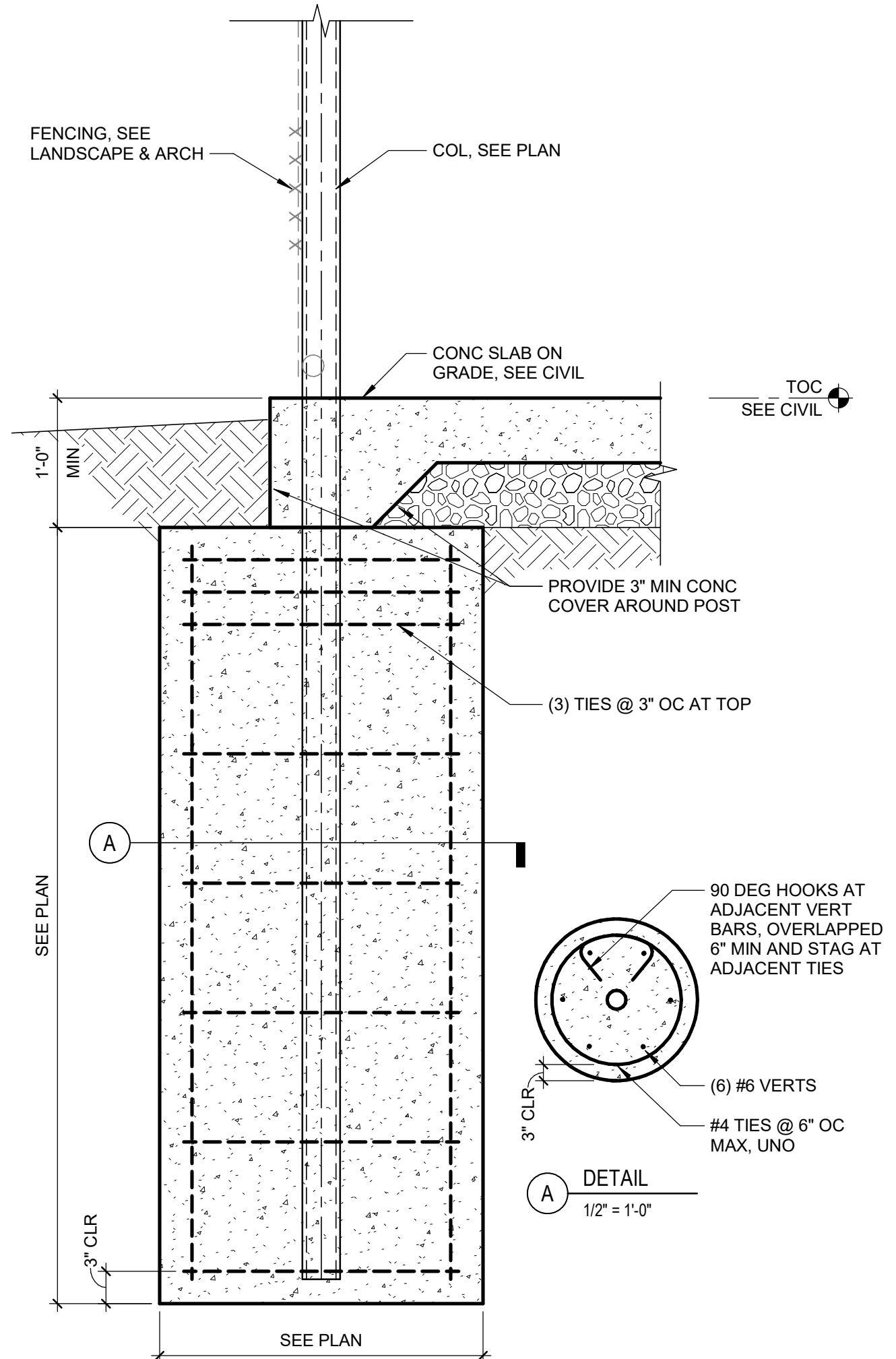
9 DETAIL
1" = 1'-0"



13 DETAIL
1" = 1'-0"



2 ENLARGED PLAN - FOUNDATION - VISITOR DUGOUT
SCALE 1/8" = 1'-0"



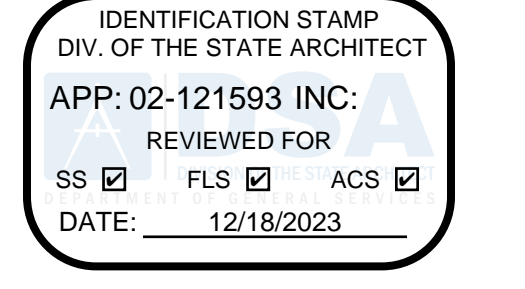
15 DETAIL
1" = 1'-0"

NOTES

- SEE S-000 SHEETS FOR GENERAL NOTES & S-500 SHEETS FOR TYPICAL DETAILS.
- DIMENSIONS ARE TO CENTERLINE OF COLUMNS/POSTS, UNO.
- SEE ARCH & OTHER CONSULTANT DWGS FOR DIMENSIONS & LOCATIONS OF WALL OPENINGS.
- SEE CIVIL DWGS FOR DIMENSIONS OF SLOPED SLABS.
- SEE CIVIL DRAWINGS AND SPECIFICATIONS FOR ENGINEERED FILL.
- EXTERIOR CONCRETE FLATWORK IS NOT SHOWN, SEE CIVIL & ARCH DWGS.
- CLOSURE PLATES TO BE PAINTED, ARCHITECT TO DETERMINE COLOR.

LEGEND

- FOOTING OR GRADE BEAM
- CONCRETE MASONRY UNIT WALL, SEE S-641
- COLUMN WITH CALLOUT



LIONAKIS

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CONSULTANT

SEAL



PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

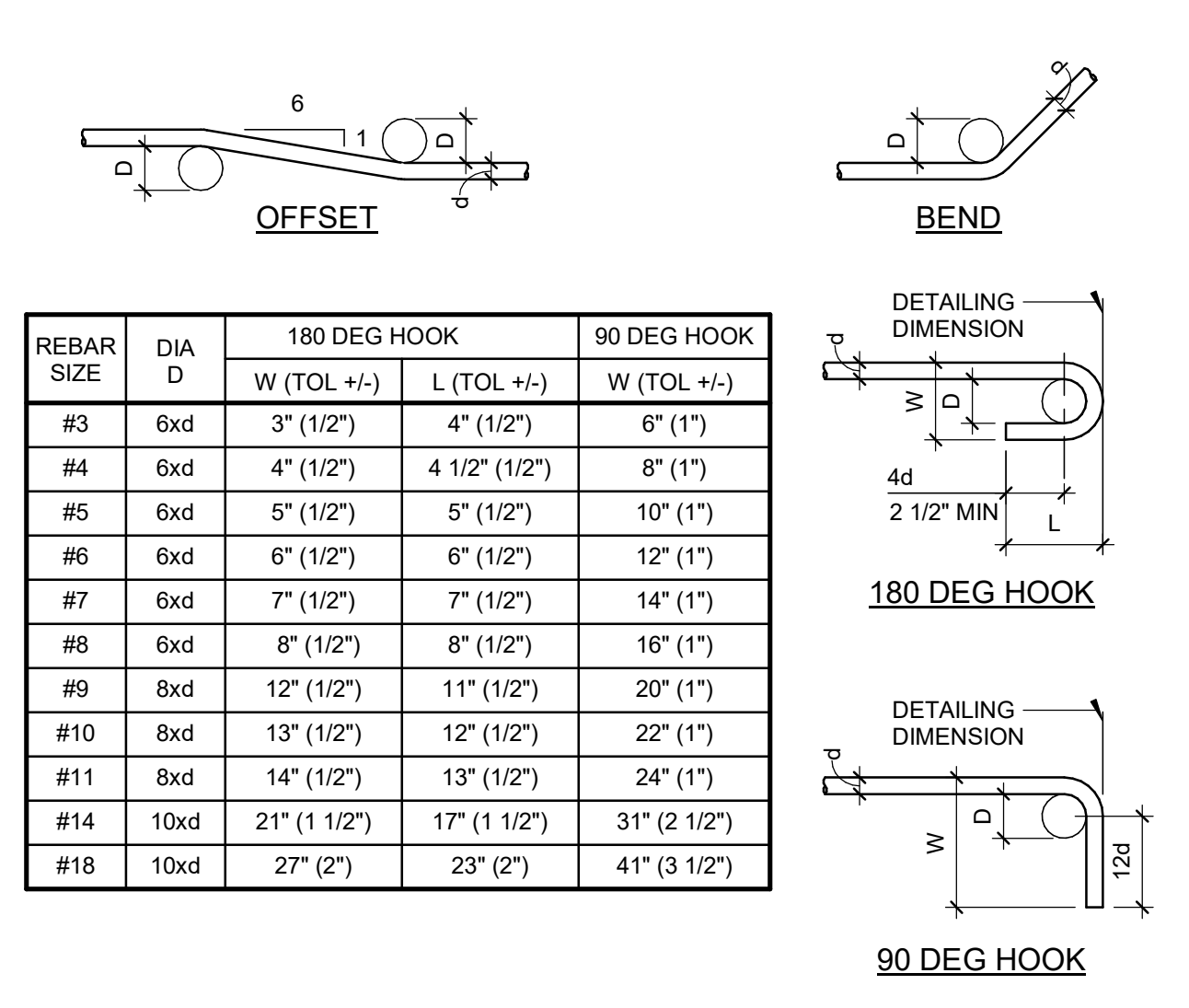
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MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

MANAGEMENT	
LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121610
CLIENT PROJECT NO:	
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TITLE
**ENLARGED PLAN -
VISITOR DUGOUT**

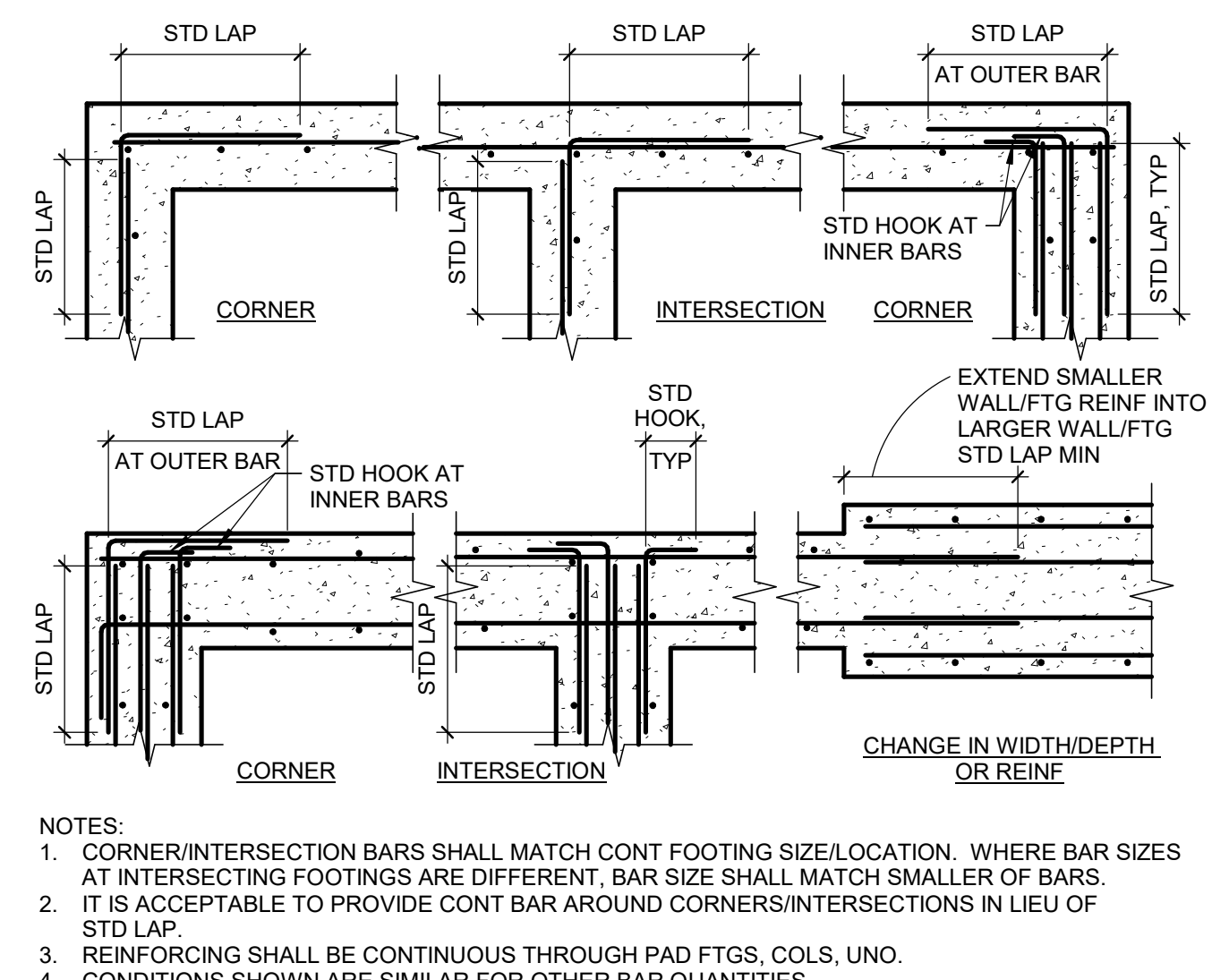
SHEET
SS402

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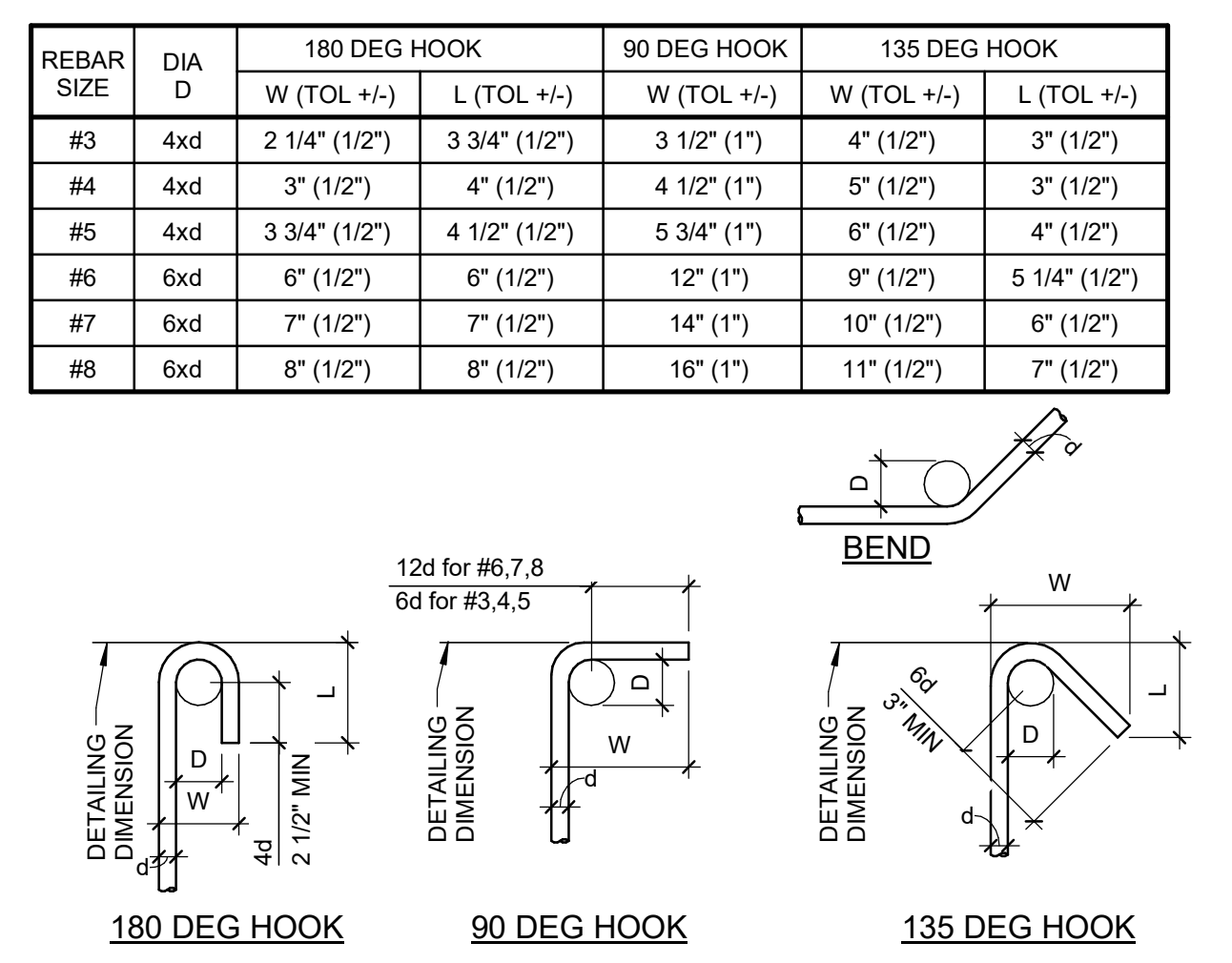


REBAR SIZE	DIA	180 DEG HOOK	90 DEG HOOK
	D	W (TOL +/-)	L (TOL +/-)
#3	6xd	3" (1/2")	4" (1/2")
#4	6xd	4" (1/2")	4 1/2" (1/2")
#5	6xd	5" (1/2")	5" (1/2")
#6	6xd	6" (1/2")	6" (1/2")
#7	6xd	7" (1/2")	7" (1/2")
#8	6xd	8" (1/2")	8" (1/2")
#9	6xd	12" (1/2")	11" (1/2")
#10	6xd	13" (1/2")	12" (1/2")
#11	8xd	14" (1/2")	13" (1/2")
#14	10xd	21" (1 1/2")	17" (1 1/2")
#18	10xd	27" (2")	23" (2")

1 TYP REBAR BENDS AND HOOKS
 SCALE: NTS S-032000_T010A 140127

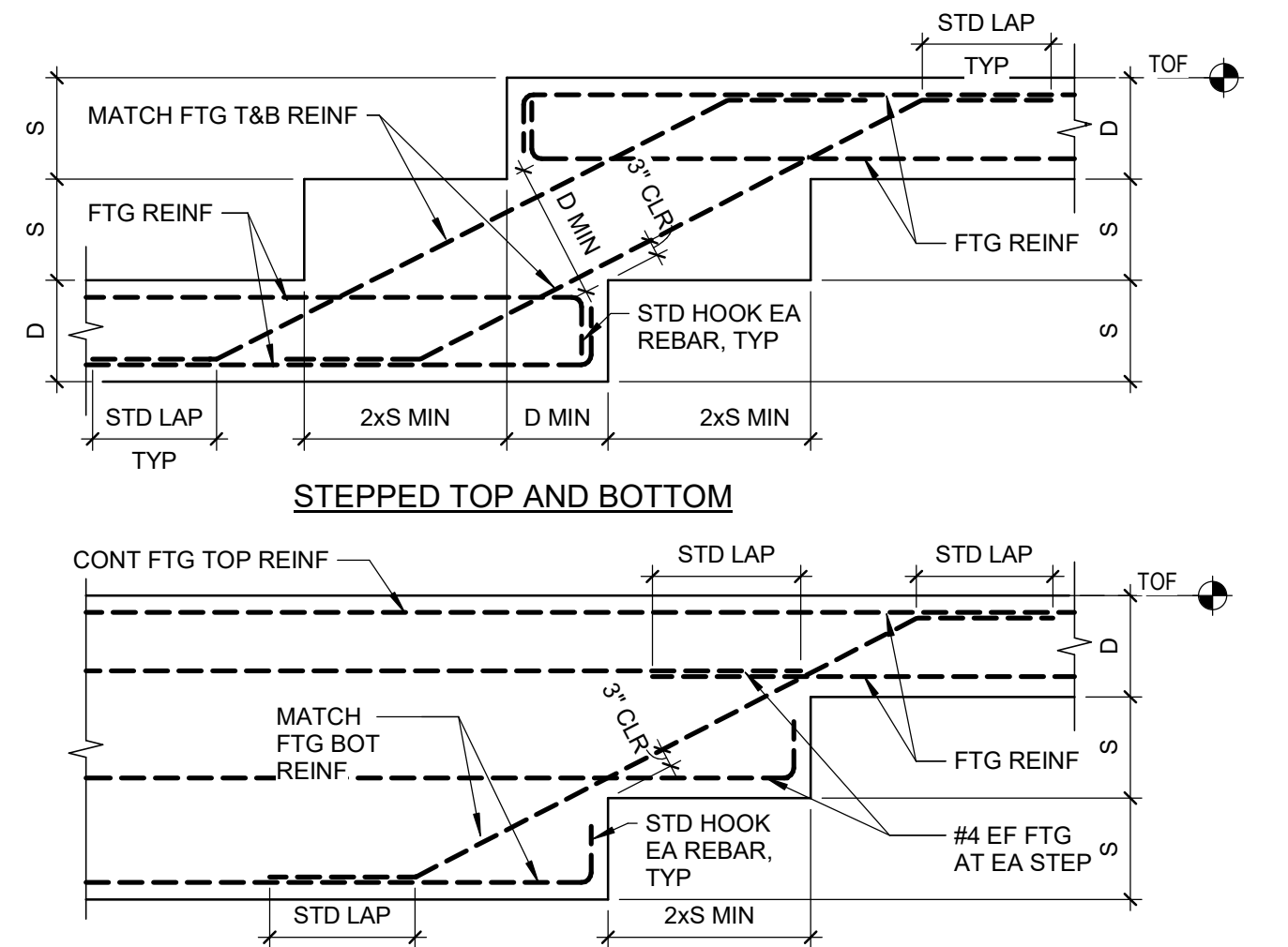


5 TYP CONC FTG / WALL REINF AT CORNERS AND INTERSECTIONS
 SCALE: NTS S-032000_T010A 200304



REBAR SIZE	DIA	180 DEG HOOK	90 DEG HOOK	135 DEG HOOK
	D	W (TOL +/-)	L (TOL +/-)	L (TOL +/-)
#3	4xd	2 1/4" (1/2")	3 3/4" (1/2")	3 1/2" (1")
#4	4xd	3" (1/2")	4" (1/2")	4" (1/2")
#5	4xd	3 3/4" (1/2")	4 1/2" (1/2")	5" (1/2")
#6	4xd	4" (1/2")	5" (1/2")	6" (1/2")
#7	4xd	5" (1/2")	6" (1/2")	7" (1/2")
#8	4xd	6" (1/2")	7" (1/2")	8" (1/2")
#9	4xd	8" (1/2")	9" (1/2")	10" (1/2")
#10	4xd	10" (1/2")	11" (1/2")	12" (1/2")
#11	4xd	12" (1/2")	13" (1/2")	14" (1/2")
#14	4xd	18" (1 1/2")	15" (1 1/2")	17" (1 1/2")
#18	4xd	24" (2")	20" (1 1/2")	23" (1 1/2")

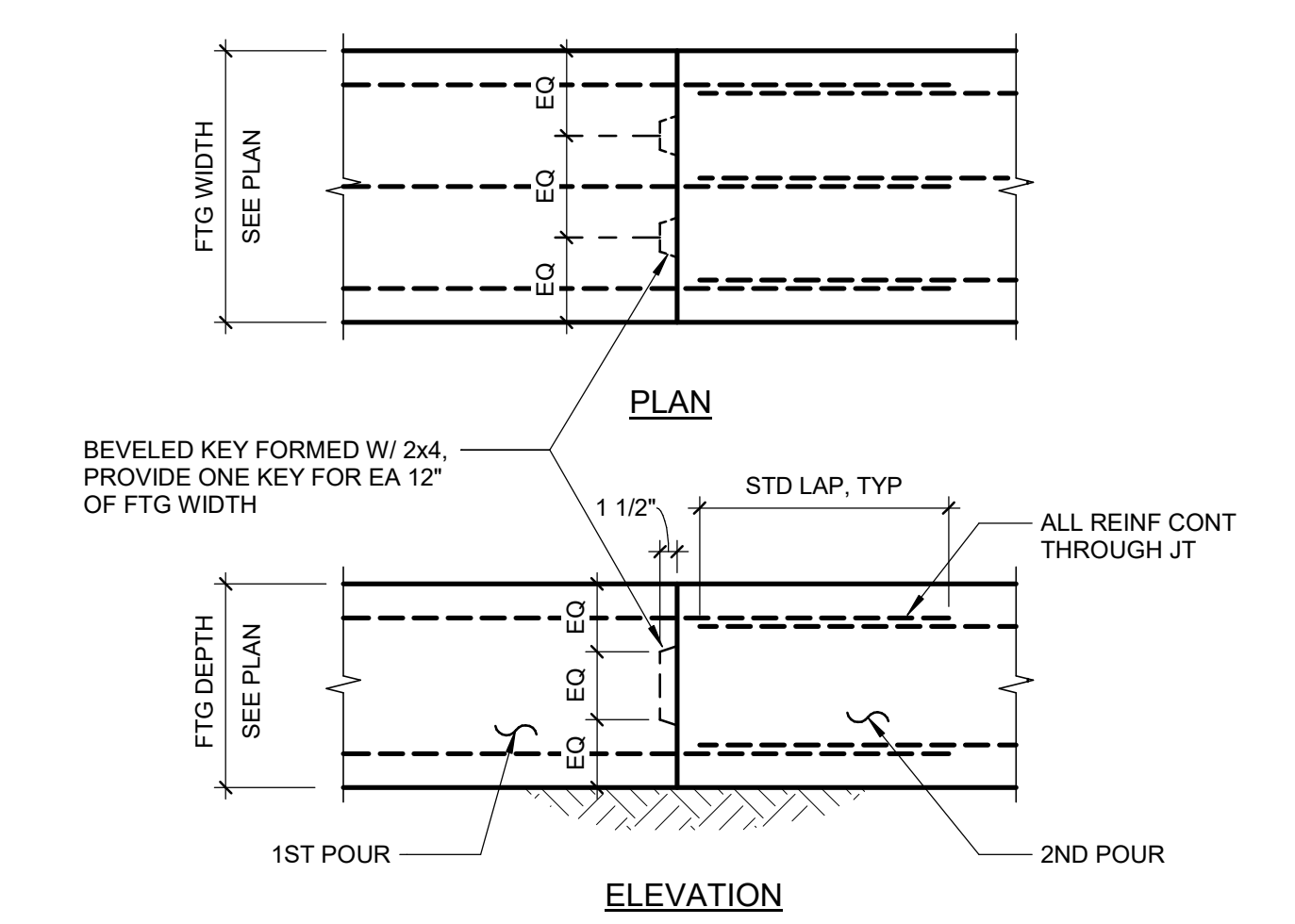
2 TYP REBAR HOOP, STIRRUP, TIE HOOKS & BENDS
 SCALE: NTS S-032000_T010A 150630



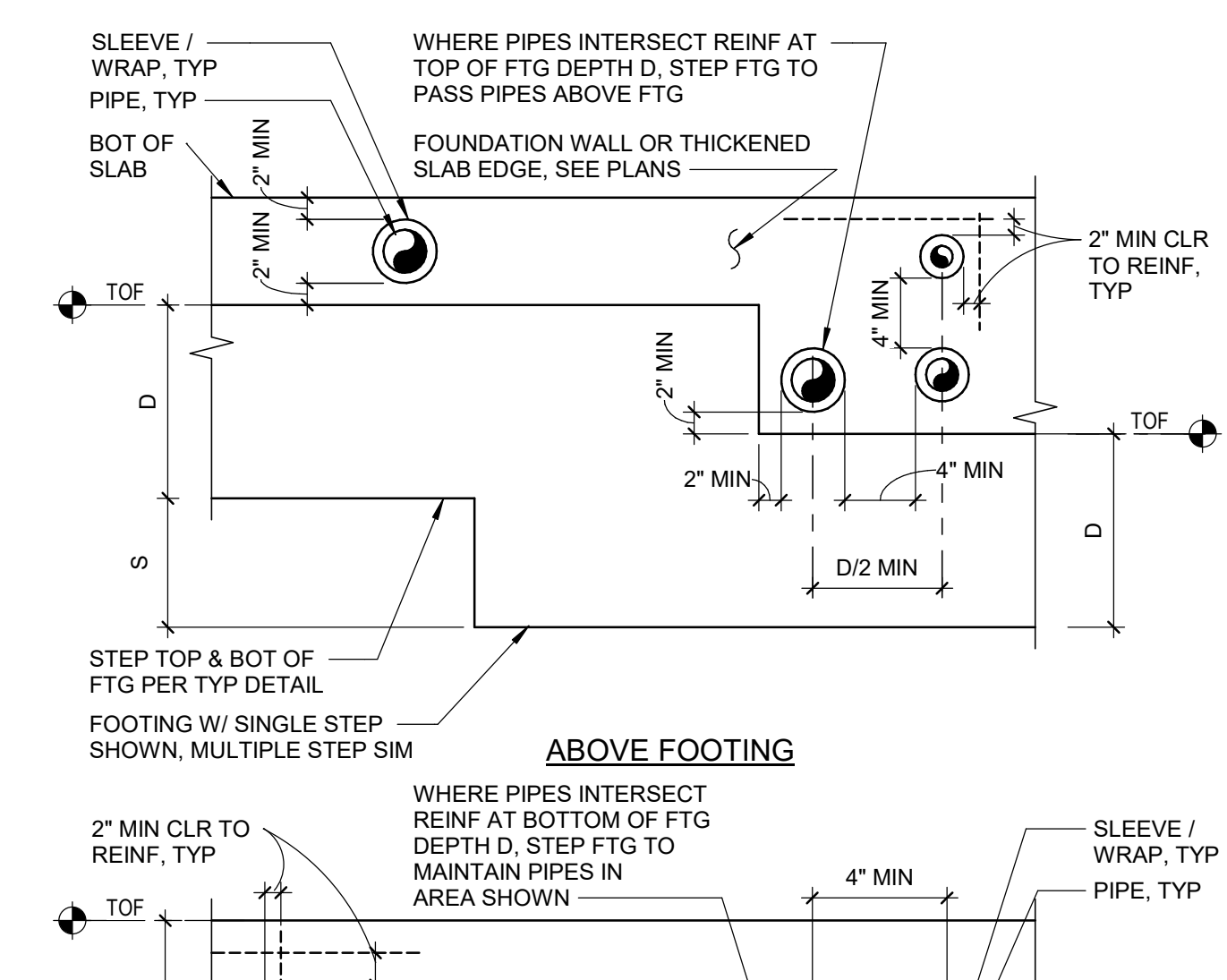
6 TYP STEPPED FOOTING
 SCALE: NTS S-032000_T010A 150630

Fc (psf)	#3	#4	#5	#6	#7	#8	#9	#10	#11
3,000	28	38	50	62	75	81	93	124	105
TOP	28	38	50	62	75	81	93	124	105
BOT	22	29	38	48	43	57	63	84	72

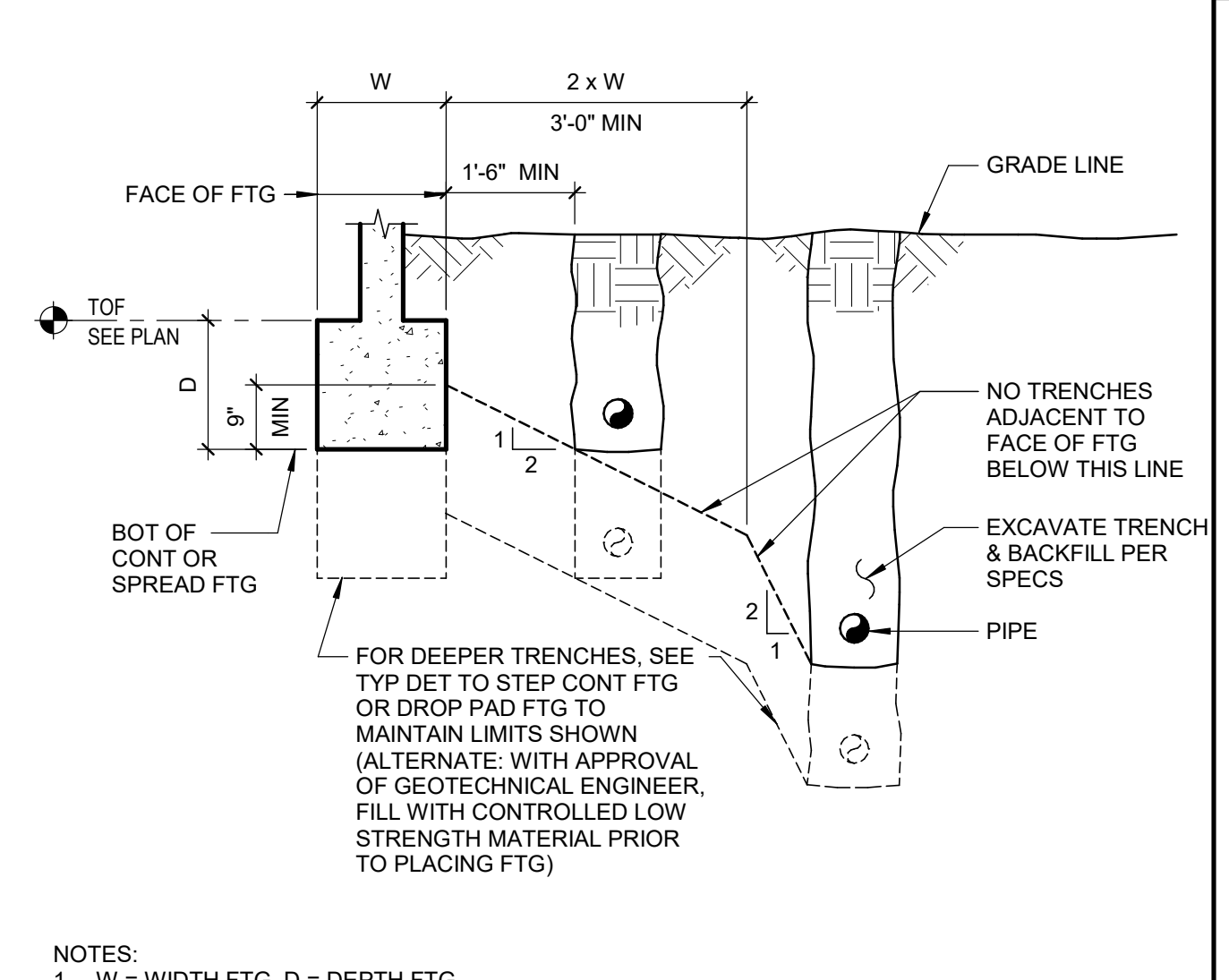
3 TYP CONCRETE REBAR LAP SPlice LENGTHS (INCHES)
 SCALE: NTS S-032000_T010A 19026_02



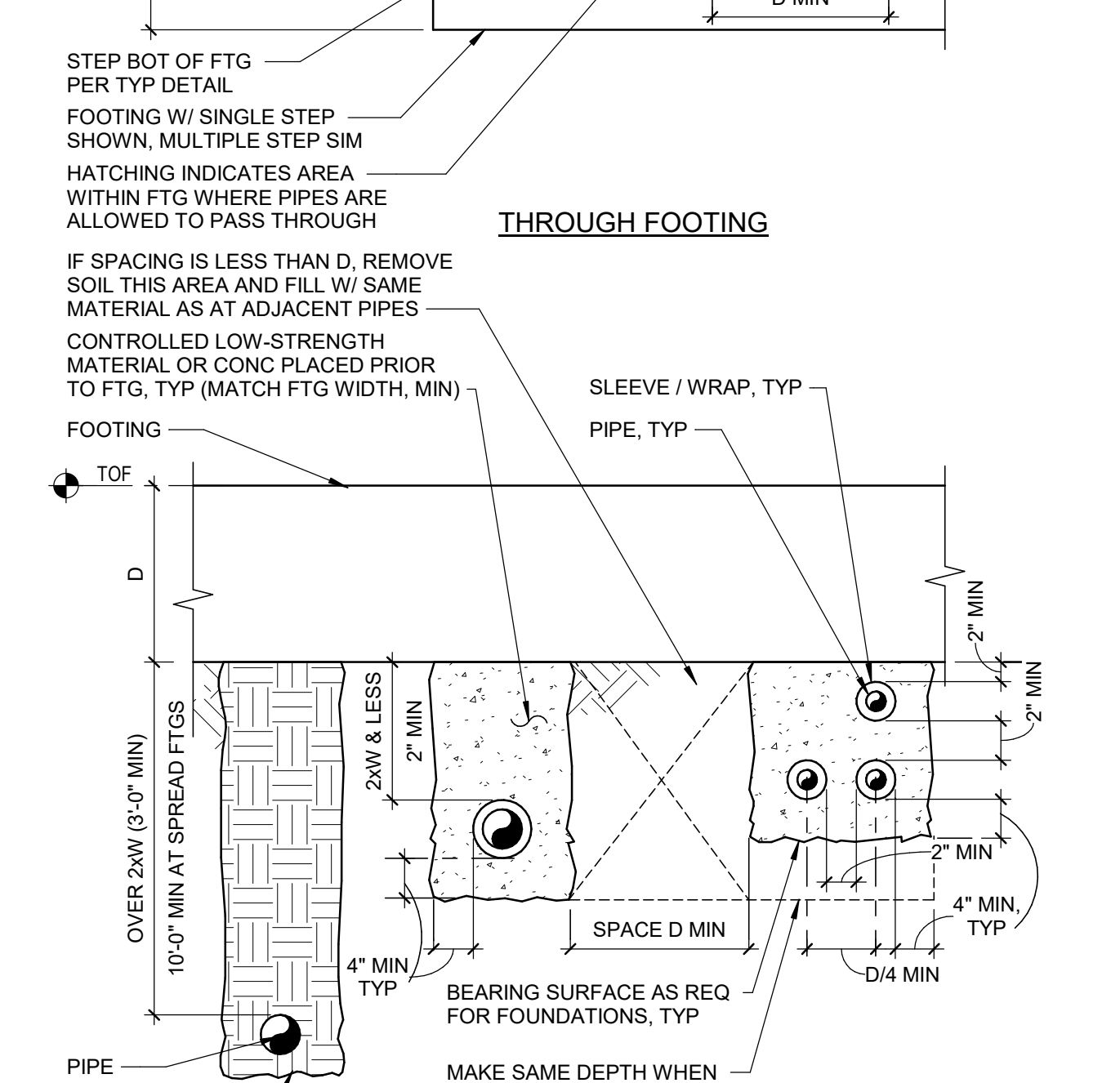
7 TYP CONSTRUCTION JOINT AT GRADE BEAM/CONTINUOUS FOOTING
 SCALE: NTS S-032000_T010A 140127



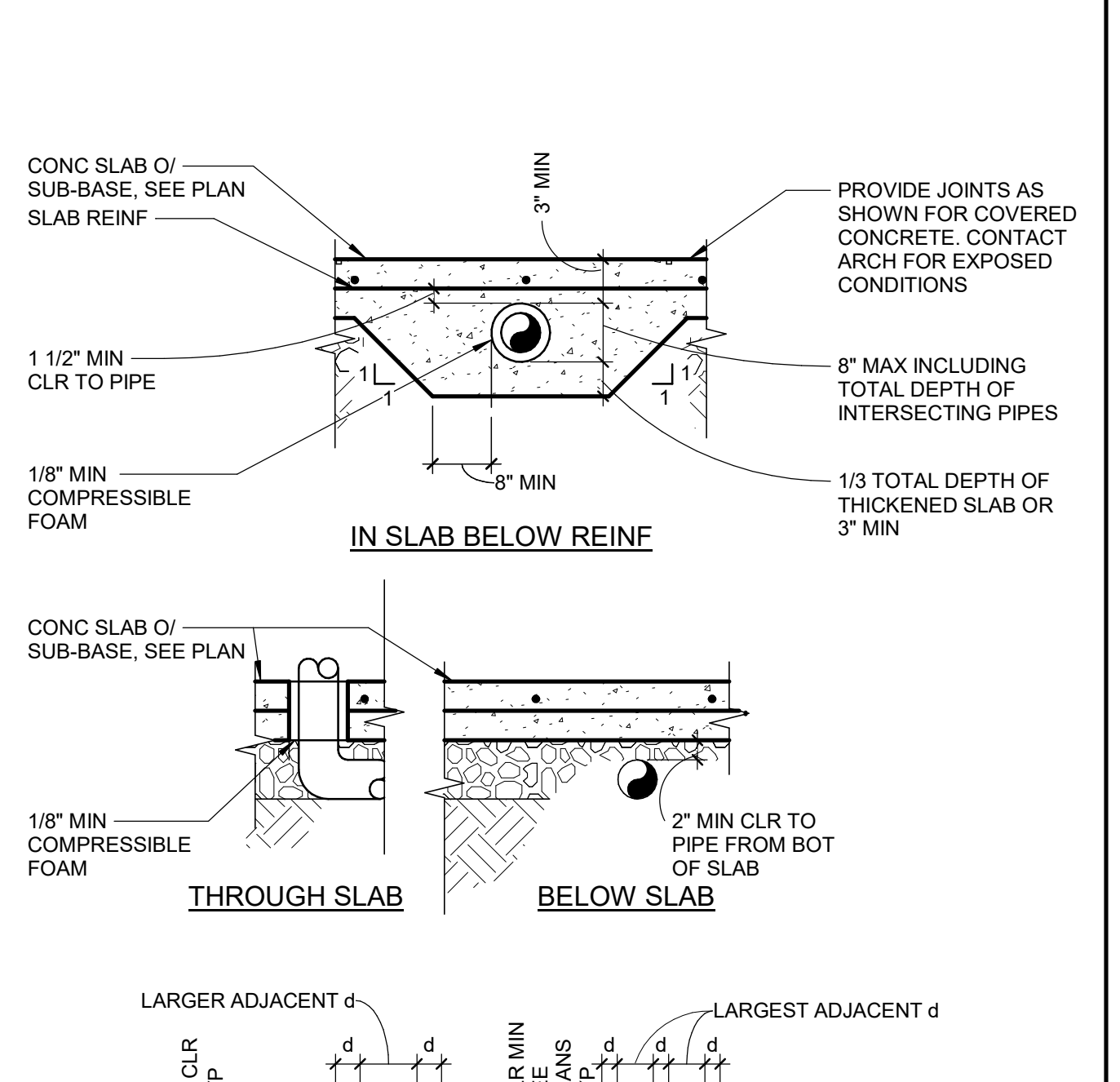
15 TYP PIPE CROSSING FOOTINGS
 3/4" = 1'-0" S-033000_T016A 191114



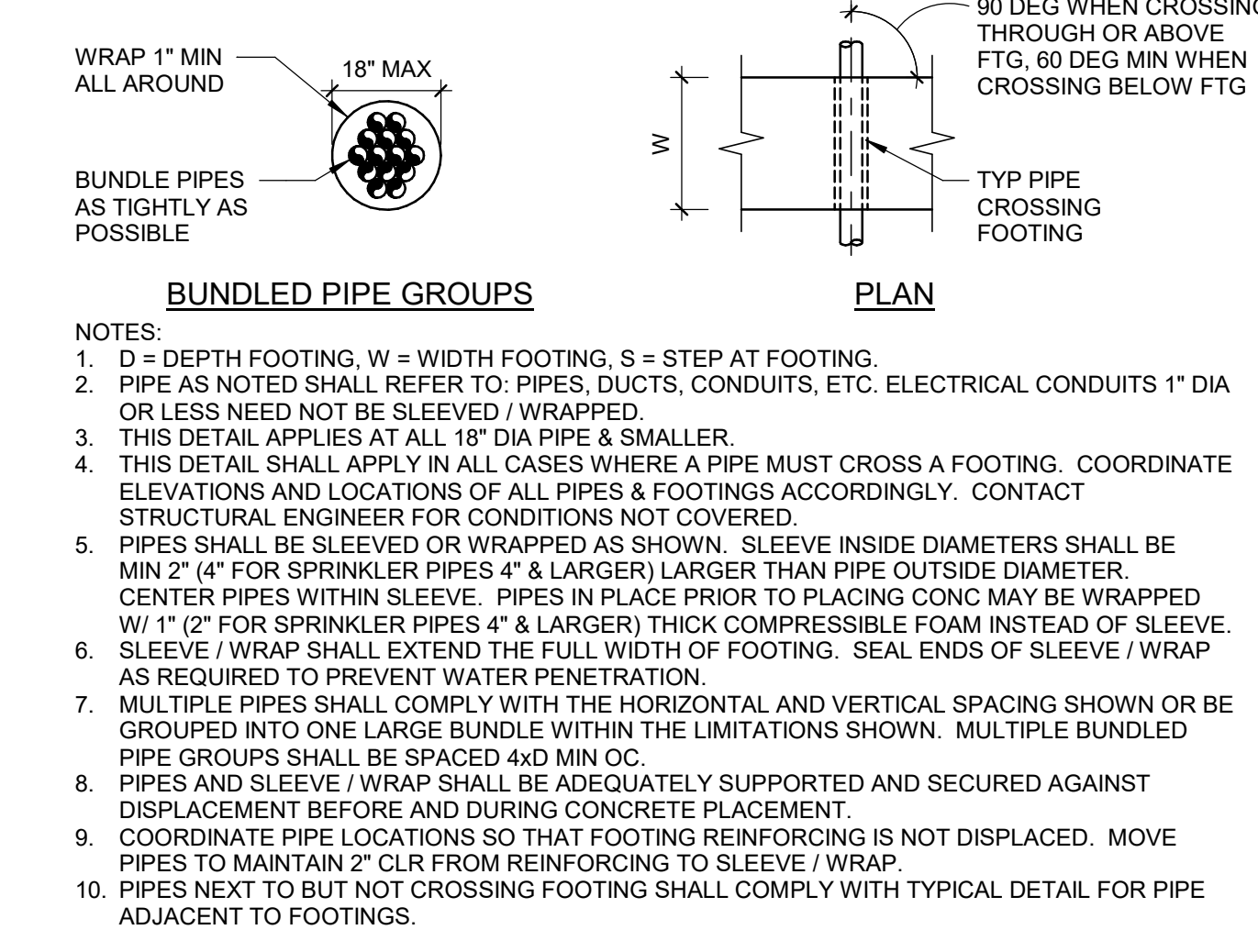
17 TYP PIPE ADJACENT TO FOOTING
 1/2" = 1'-0" S-033000_T015A 150623



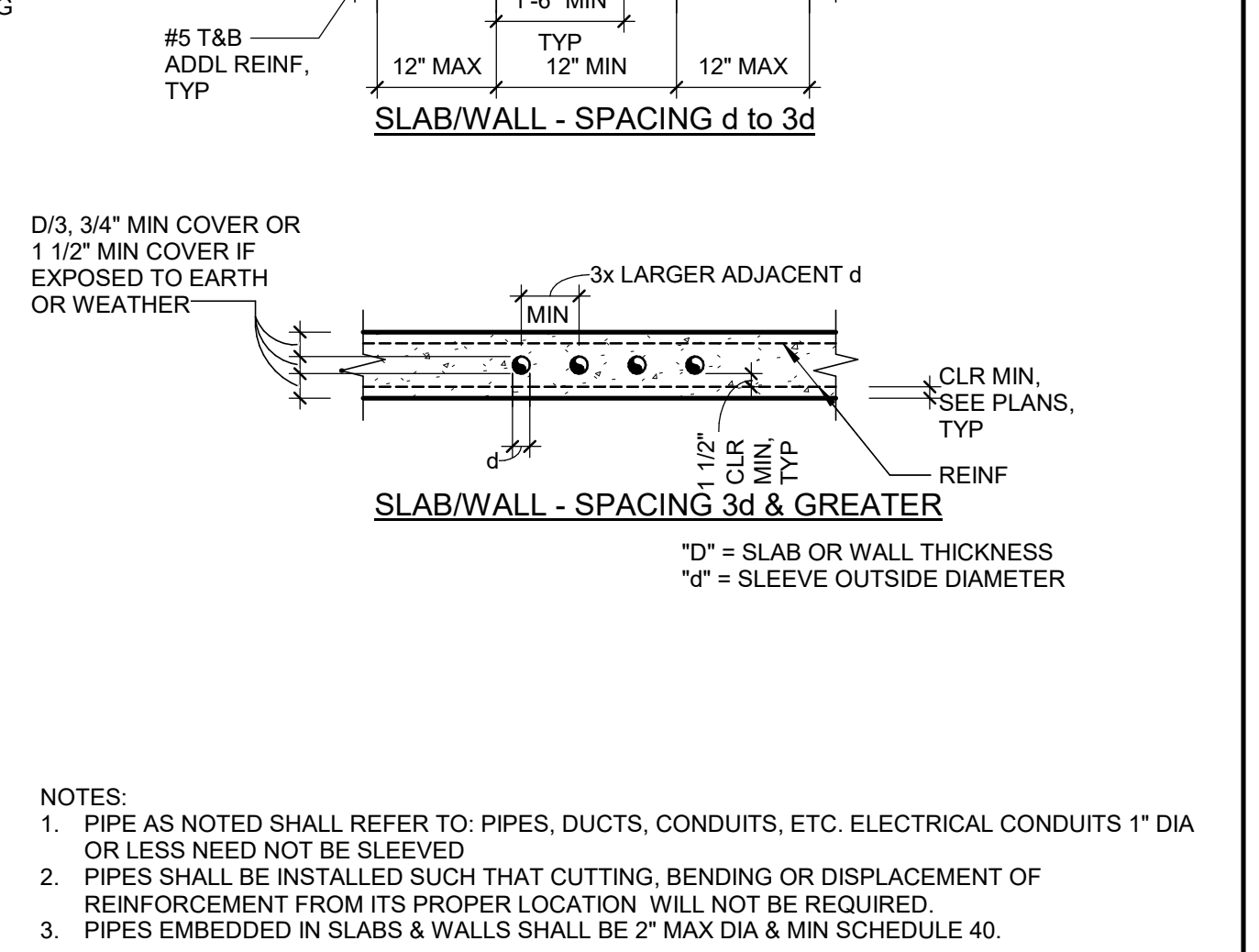
15 BUNDLED PIPE GROUPS
 SCALE: NTS S-033000_T016A 191114



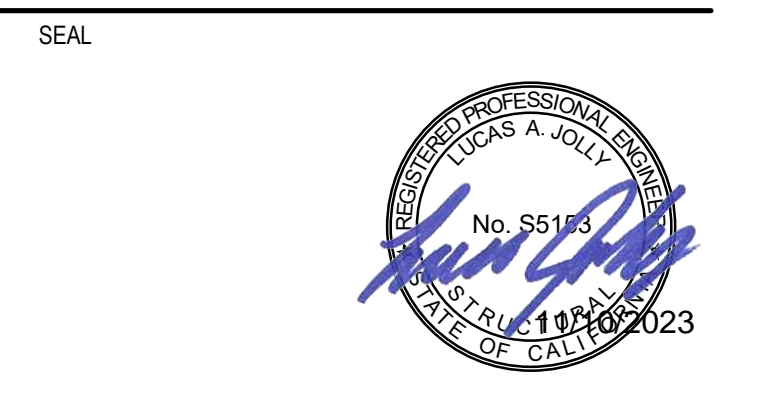
17 SLAB/WALL - SPACING d TO 3d
 SCALE: NTS S-033000_T016A 191114



15 TYP PIPE CROSSING FOOTINGS
 3/4" = 1'-0" S-033000_T016A 191114



17 TYP PIPE AT SLABS / WALLS
 3/4" = 1'-0" S-033000_T016A 140127



PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

MANAGEMENT	
LIONAKIS PROJECT NO.	023041
DSA APPLICATION NO.	02-121810
CLIENT PROJECT NO.	
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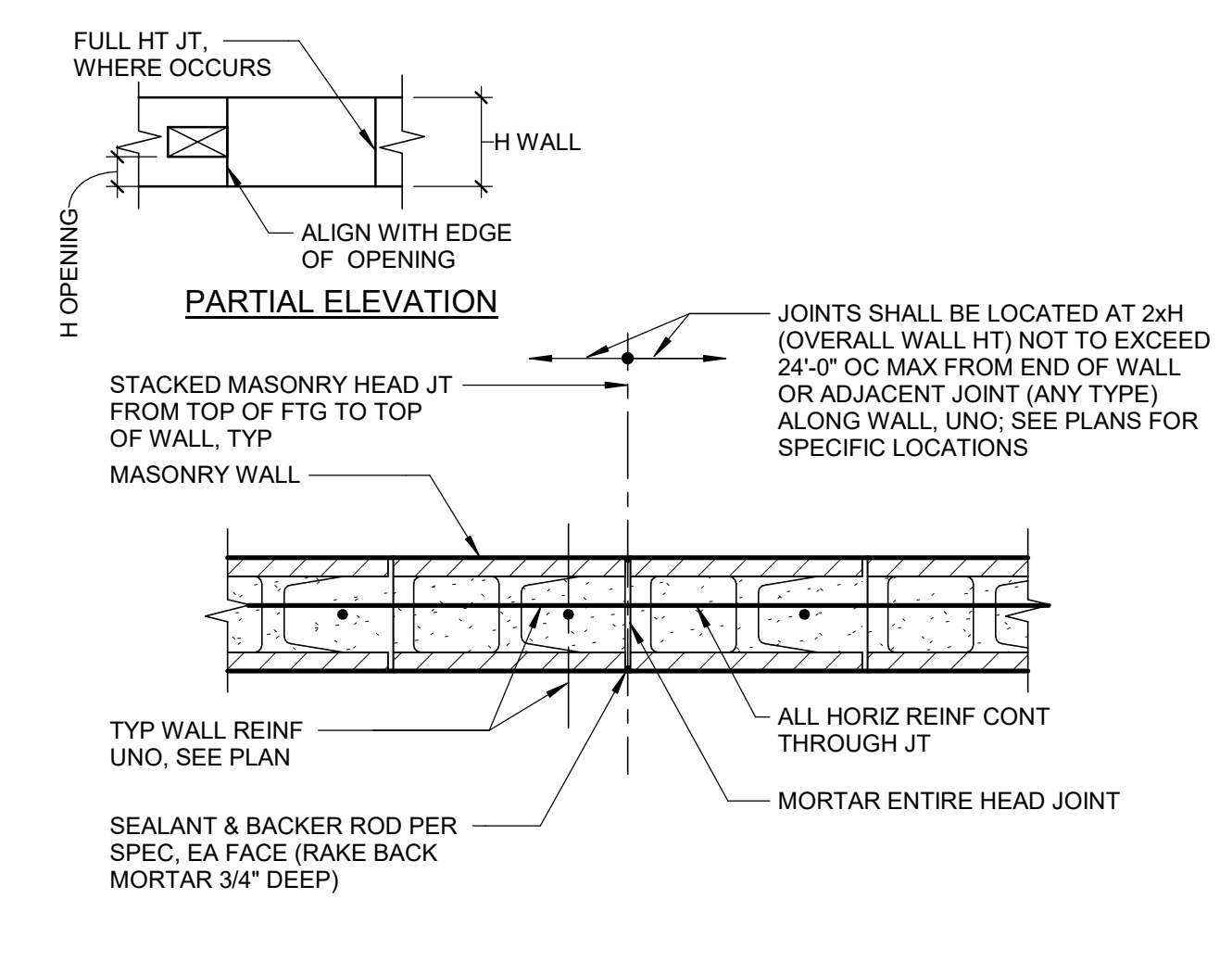
TITLE
**DETAILS - TYPICAL
 CONCRETE**

SHEET
S-531

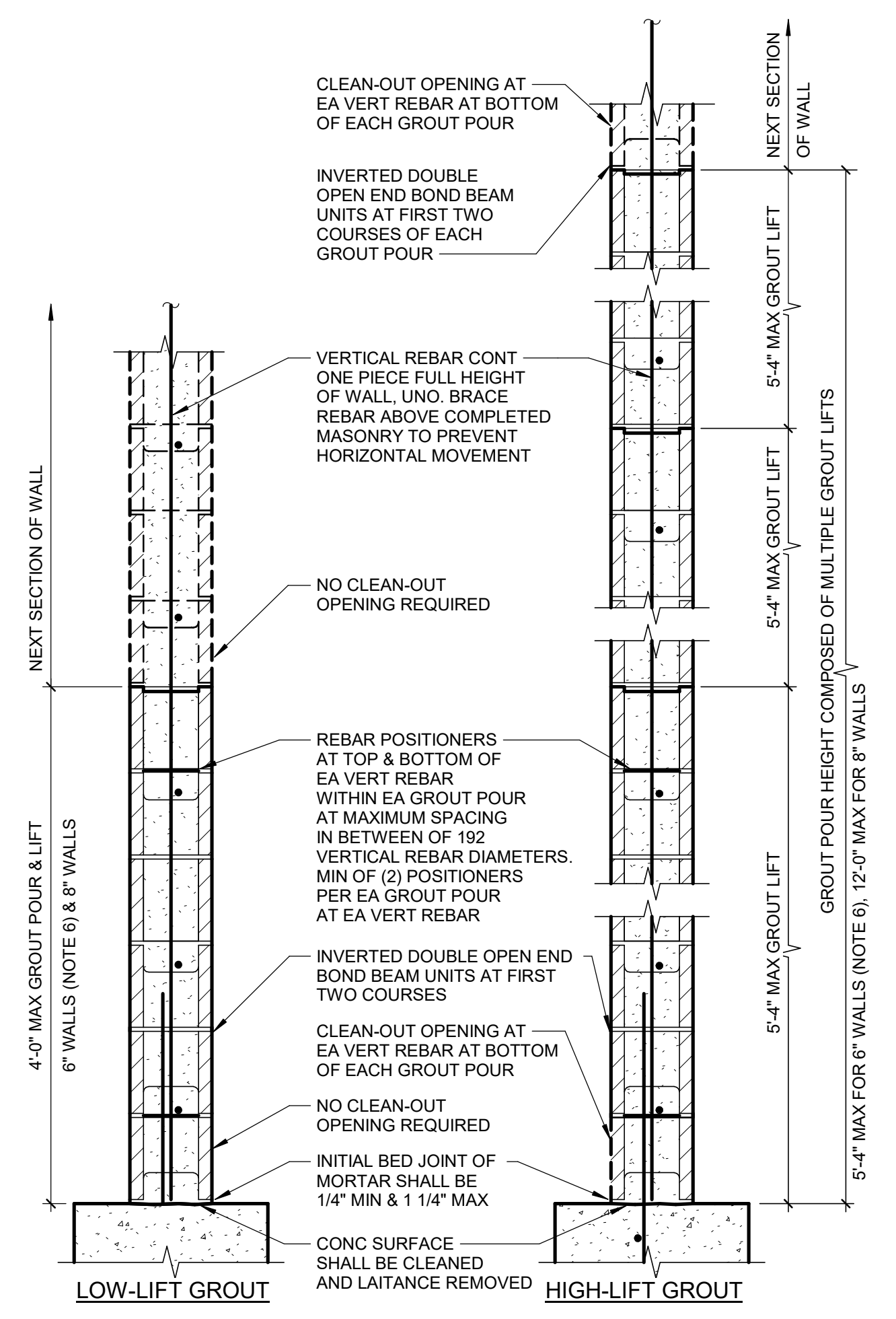
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ISSUED		
MARK	DATE	DESCRIPTION
	09/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

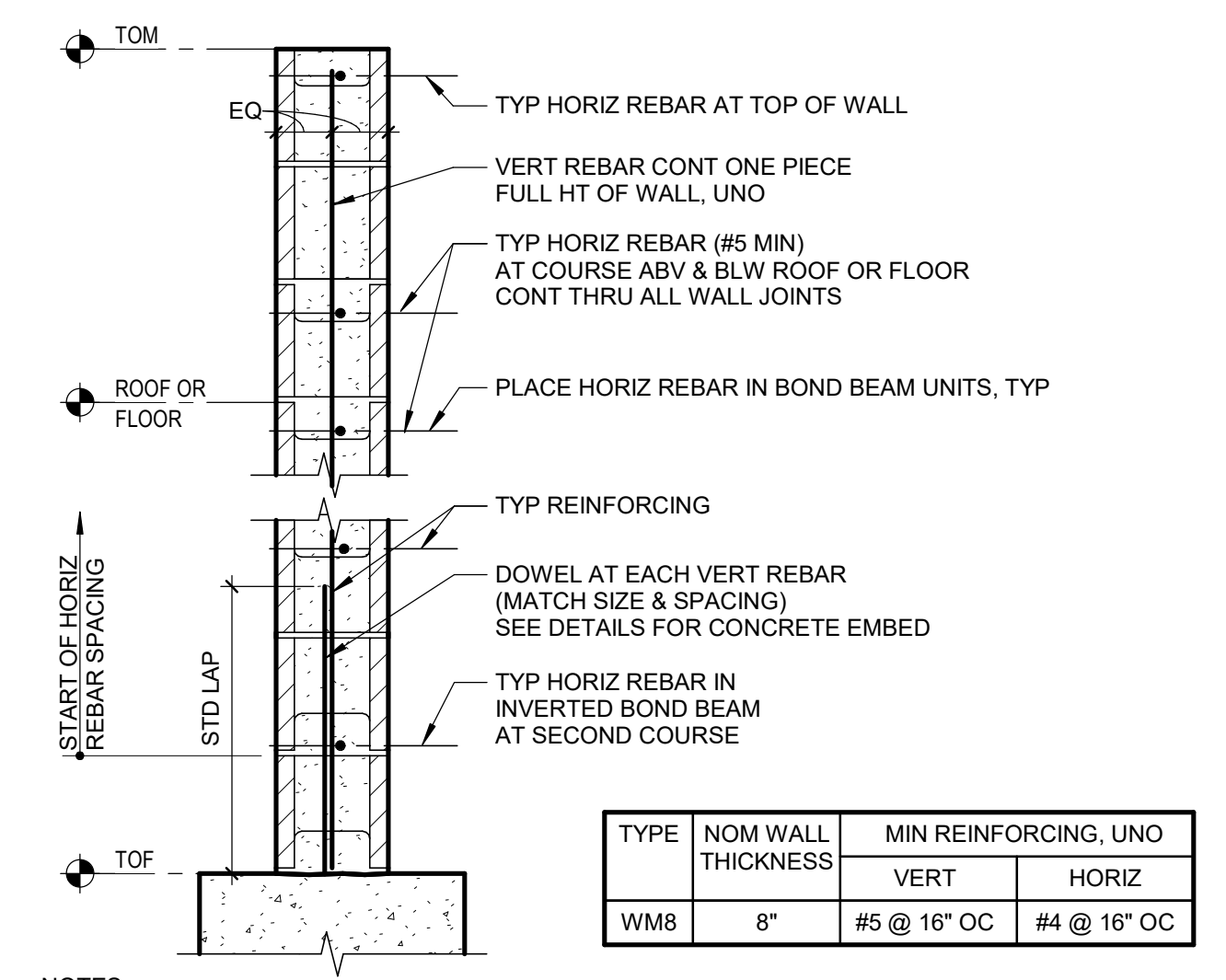
MANAGEMENT	
LIONAKIS PROJECT NO.	023041
DSA APPLICATION NO.	02-121810
CLIENT PROJECT NO.	
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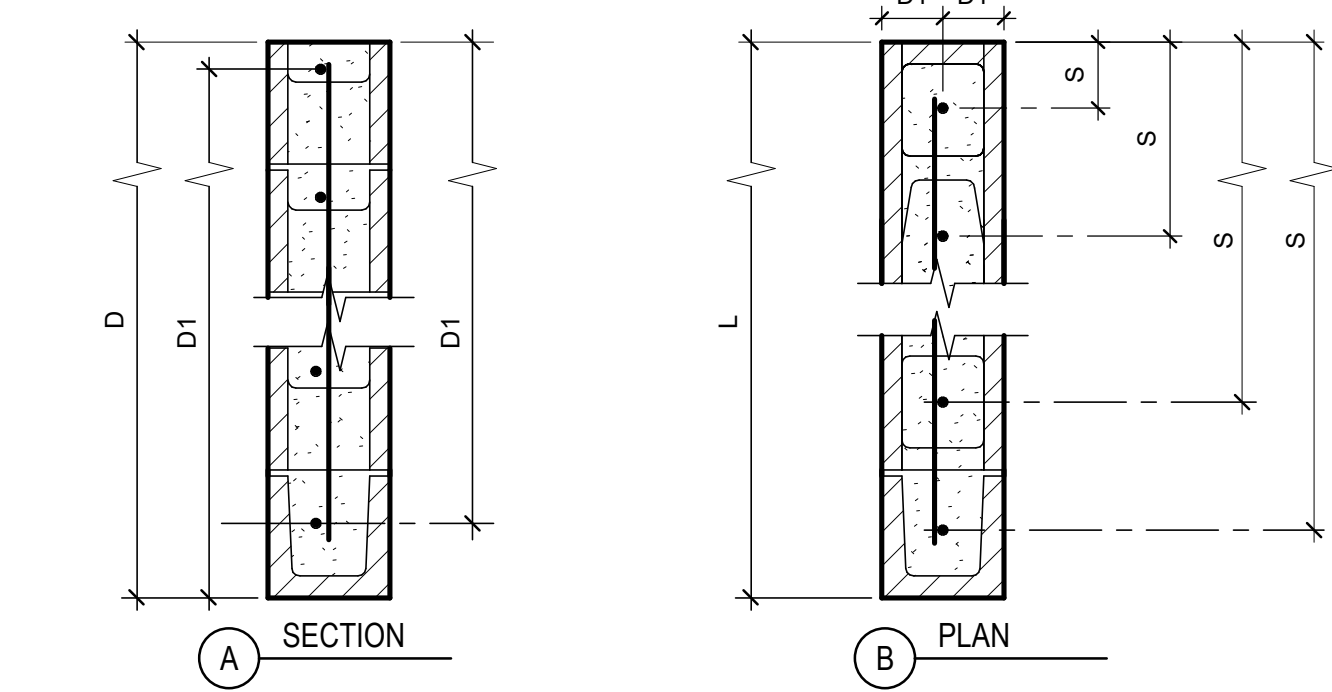
NOTES:
1. SEE PLANS AND DETAILS FOR WALL SIZE AND REINFORCING.
13 TYP MASONRY RAKE JOINT
SCALE: NTS S-048200_T010A 150427



NOTES:
1. WALLS MAY BE CONSTRUCTED USING LOW-LIFT OR HIGH-LIFT GROUTING METHOD.
2. DO NOT PLACE GROUT UNTIL ALL MASONRY UNITS, TIES, REBAR, BOLTS, EMBEDDED ITEMS & CLEAN-OUT CLOSURES ARE IN PLACE & SECURED IN POSITION TO THE TOP OF EACH GROUT POUR. GROUT ALL CELLS SOLID.
3. PROVIDE GROUT CONSTRUCTION JOINT AT TOP OF EACH GROUT POUR. SEE TYP DETAIL.
4. AFTER LOWER SECTION IS GROUTED AND PROPERLY CURED, LAY-UP & GROUT NEXT SECTION OF WALL TO GROUT POUR HEIGHT LIMITATIONS NOTED.
5. GROUT LIFT AND GROUT POUR HEIGHTS SHALL NOT EXCEED THE CLEAR GROUT SPACE LIMITATIONS OF THE BUILDING CODE OR THE MAXIMUM HEIGHTS INDICATED. PRIOR TO MASONRY CONSTRUCTION PROVIDE GROUT DEMONSTRATION PANELS FOR ALTERNATE GROUT SPACES OR HEIGHTS.
6. FOR 8" WALLS THE MAXIMUM GROUT LIFT AND GROUT POUR HEIGHT IS PERMITTED IF ALL OVERHANGING MORTAR PROTRUSIONS ARE REMOVED. OTHERWISE THE MAXIMUM GROUT LIFT AND GROUT POUR HEIGHT IS 1'-0".
18 TYP MASONRY GROUTING
SCALE: NTS S-048200_T017A 220302

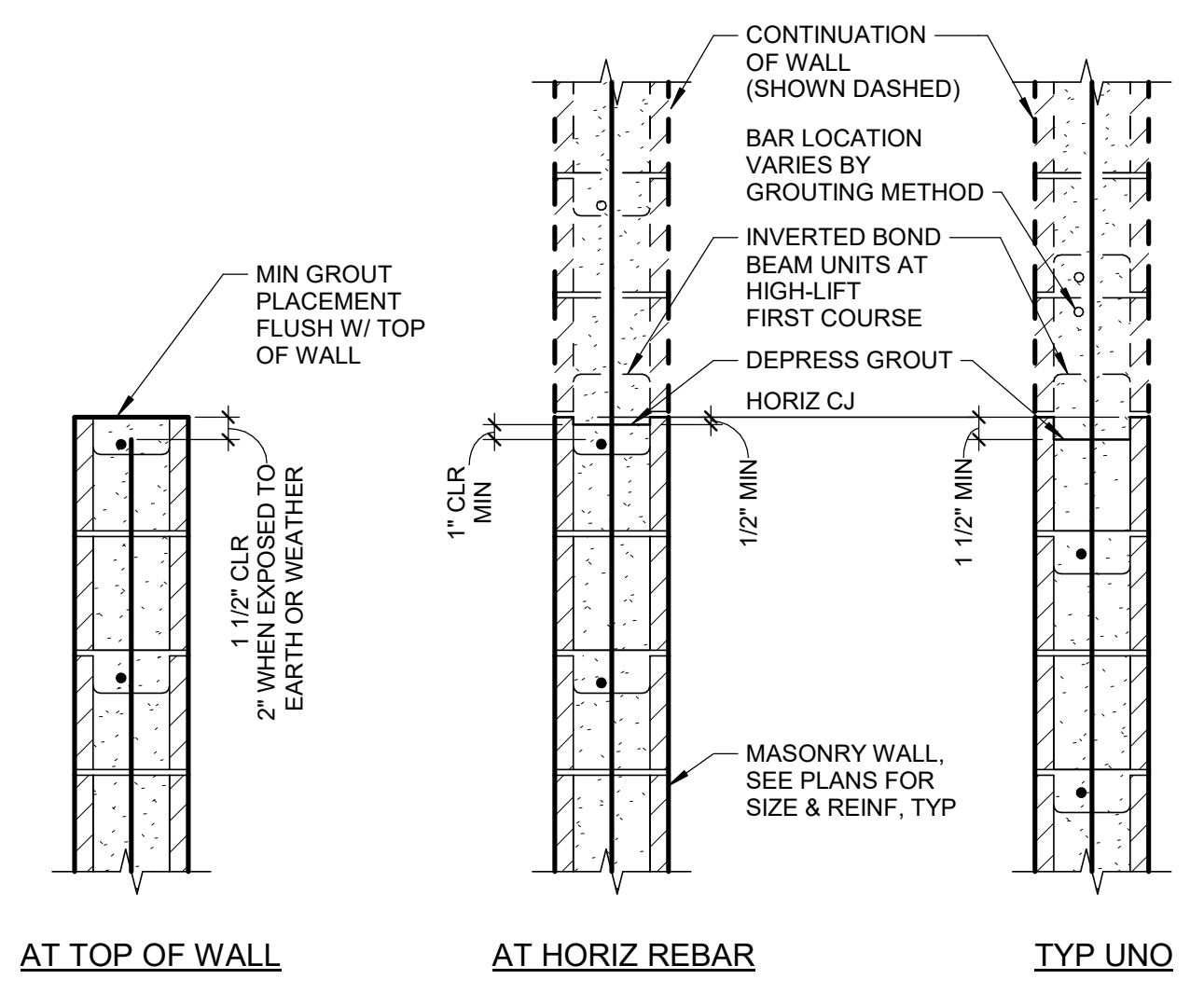


NOTES:
1. SEE PLANS AND DETAILS FOR SPECIAL CONDITIONS.
2. AT 4" HIGH UNITS, PROVIDE INVERTED BOND BEAM UNITS ABOVE ALL HORIZ REBAR.
3. LOCATE REBAR LAPS, SPLICES & DOWELS IN SAME PLANE AS PRIMARY REINFORCING.
19 TYP MASONRY WALL REINF
SCALE: NTS S-048200_T024B 190506

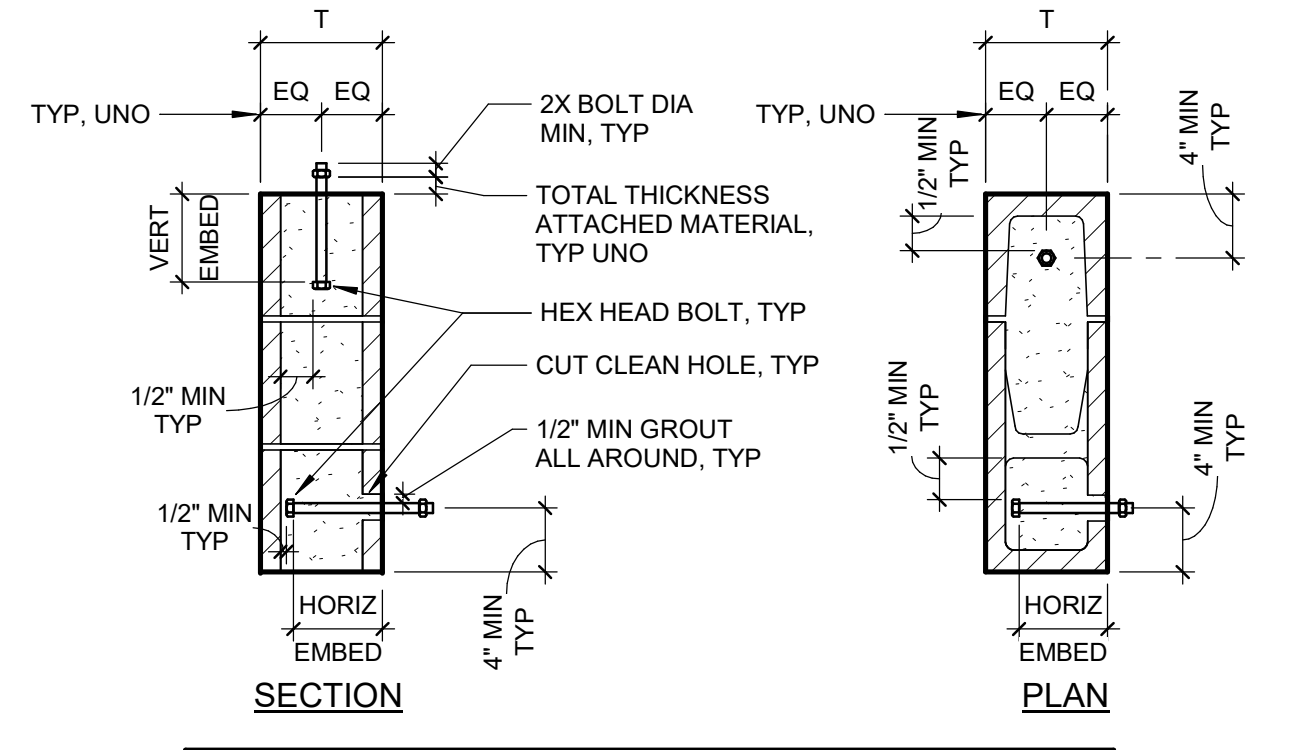


PLACEMENT TOLERANCE D1		PLACEMENT TOLERANCE S	
D1 EQUALS 8" OR LESS	+/- 1/2"	L EQUALS 8" OR LESS	+/- 1/2"
D1 OVER 8" UP TO 24"	+/- 1"	L OVER 8" UP TO 24"	+/- 1"
D1 OVER 24"	+/- 1 1/4"	L OVER 24"	+/- 2"

NOTES:
1. L = LENGTH WALL SEGMENT, D = DEPTH LINTEL, S = SPACING OF REINF, D1 = DEPTH TO REINF.
2. D1 IS THE LARGEST DISTANCE FROM REINFORCEMENT TO FOOTING.
3. TOLERANCE LIMITS APPLY TO WALLS, PILASTERS, COLUMNS, BEAMS AND LINTELS.
4. PLACEMENT OF DOWELS SHALL BE HELD TO THE SAME TOLERANCE.
5. SEE LINTEL, PIER AND JAMB DETAILS FOR REBAR DETAILS NOT SHOWN.
20 TYP MASONRY REINF TOLERANCE
SCALE: NTS S-048200_T023B 190706

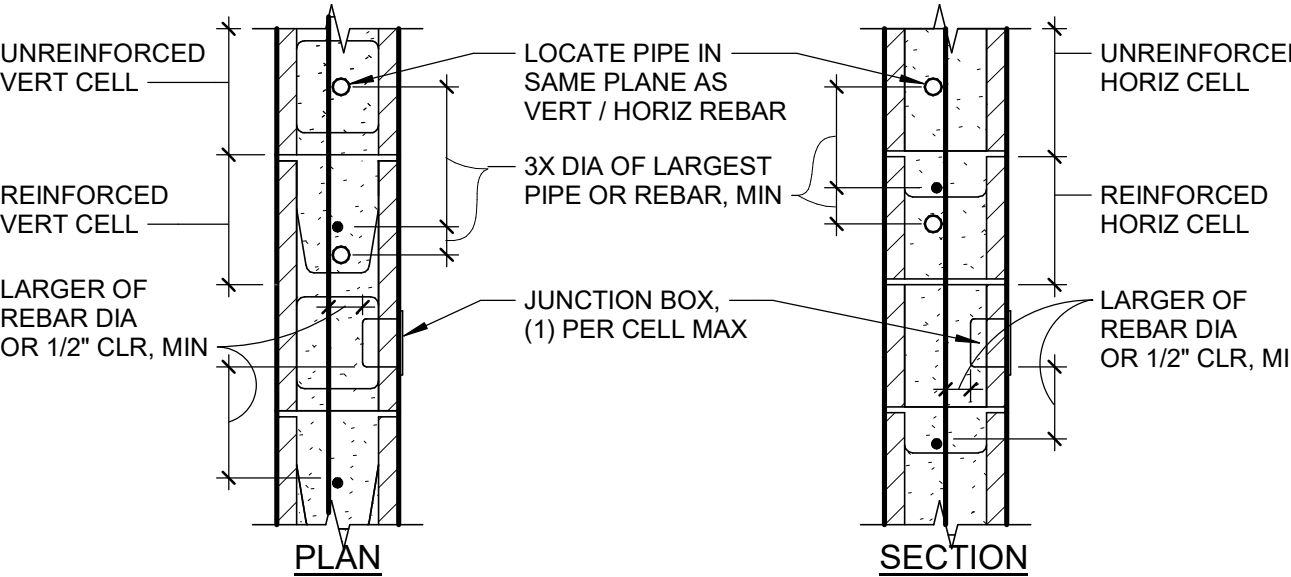


NOTES:
1. VERT REBAR SHALL HAVE MATCHING DOWELS AT FTG W/ STD LAP, TYP.
6 TYP MASONRY INTERSECTIONS
SCALE: NTS S-048200_T021B 180425



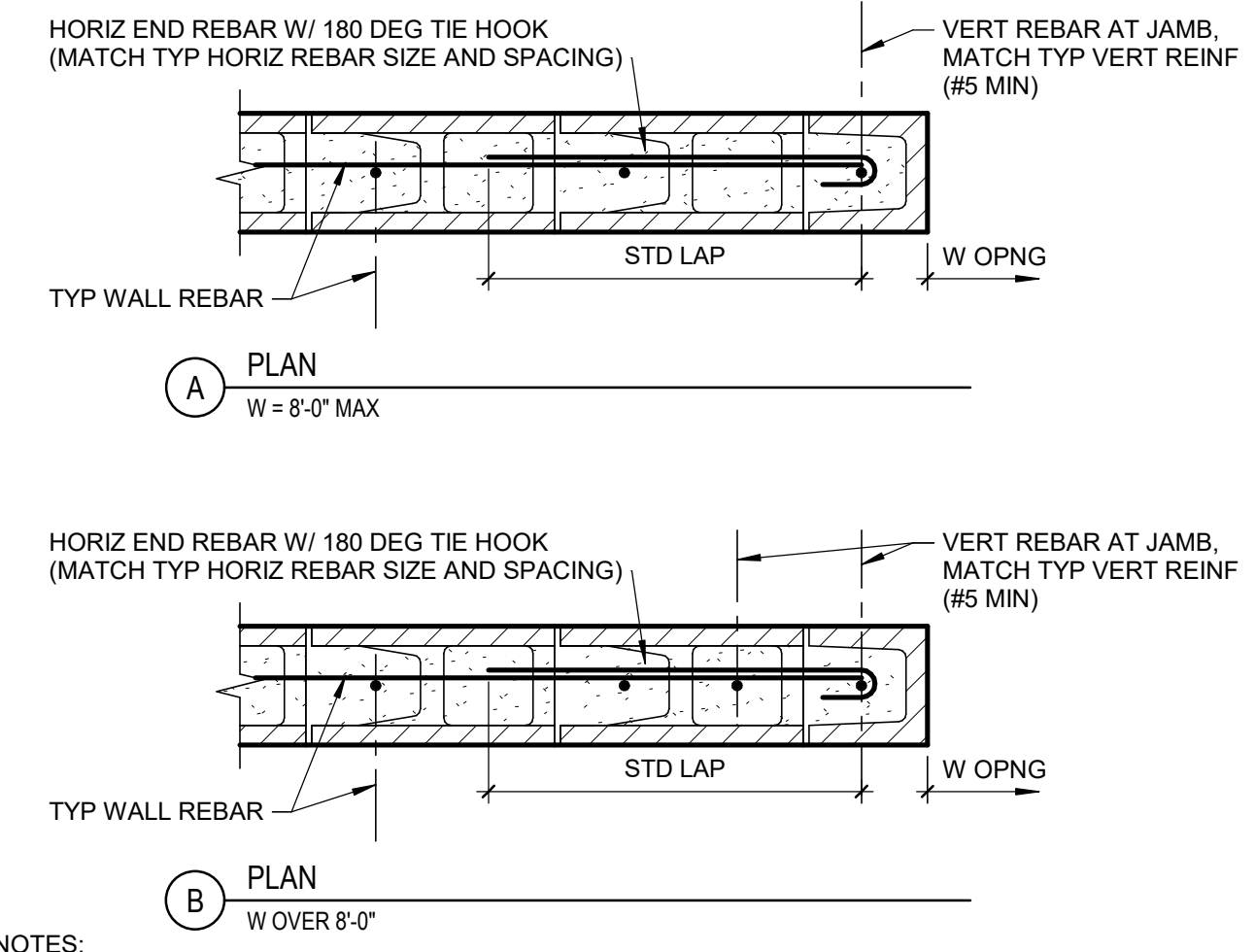
NOMINAL WALL THK (T)	MINIMUM EMBED		BOLT DIA	
	HORIZ	VERT	TYP UNO	MAX
6"	3"	6"	3/8"	1/2"
8"	4"	8"	5/8"	3/4"

NOTES:
1. PROVIDE 1" MIN CLEAR BETWEEN ADJACENT ANCHOR BOLTS.
2. REINFORCING NOT SHOWN FOR CLARITY.
3. TOTAL THICKNESS ATTACHED MATERIAL INCLUDES WASHERS & GROUT OR DRYPACK.
11 TYP BOLT EMBED IN MASONRY
SCALE: NTS S-048200_T004A 190506

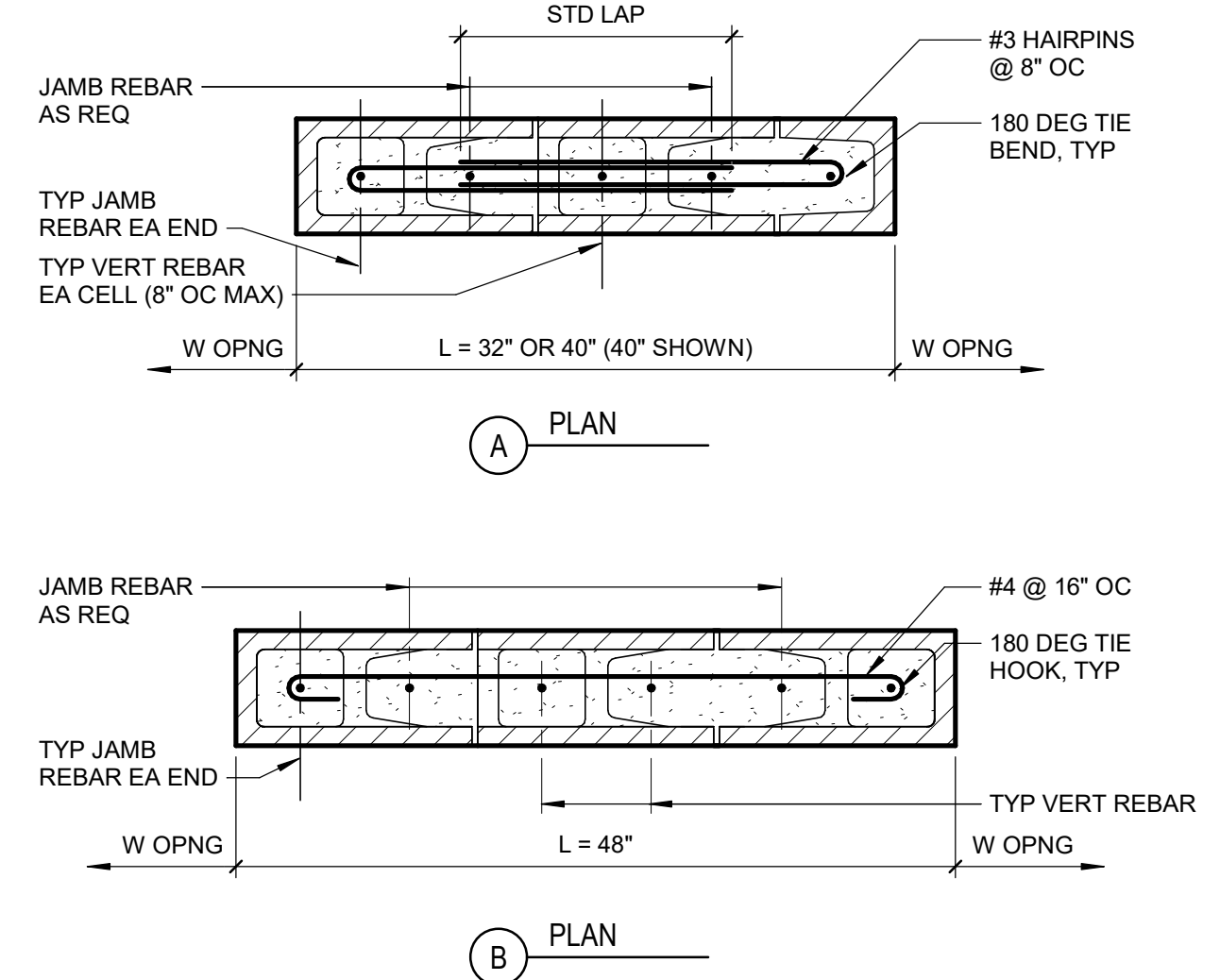


NOMINAL WALL THICKNESS	MAX QUANTITY OF PIPES PER CELL						COMMENTS
	1/2" DIA	3/4" DIA	1" DIA	1 1/4" DIA	1 1/2" DIA		
8"	1	2	1	-	-	-	R = REINFORCED CELL U = UNREINFORCED CELL
8"	2	3	1	2	-	-	

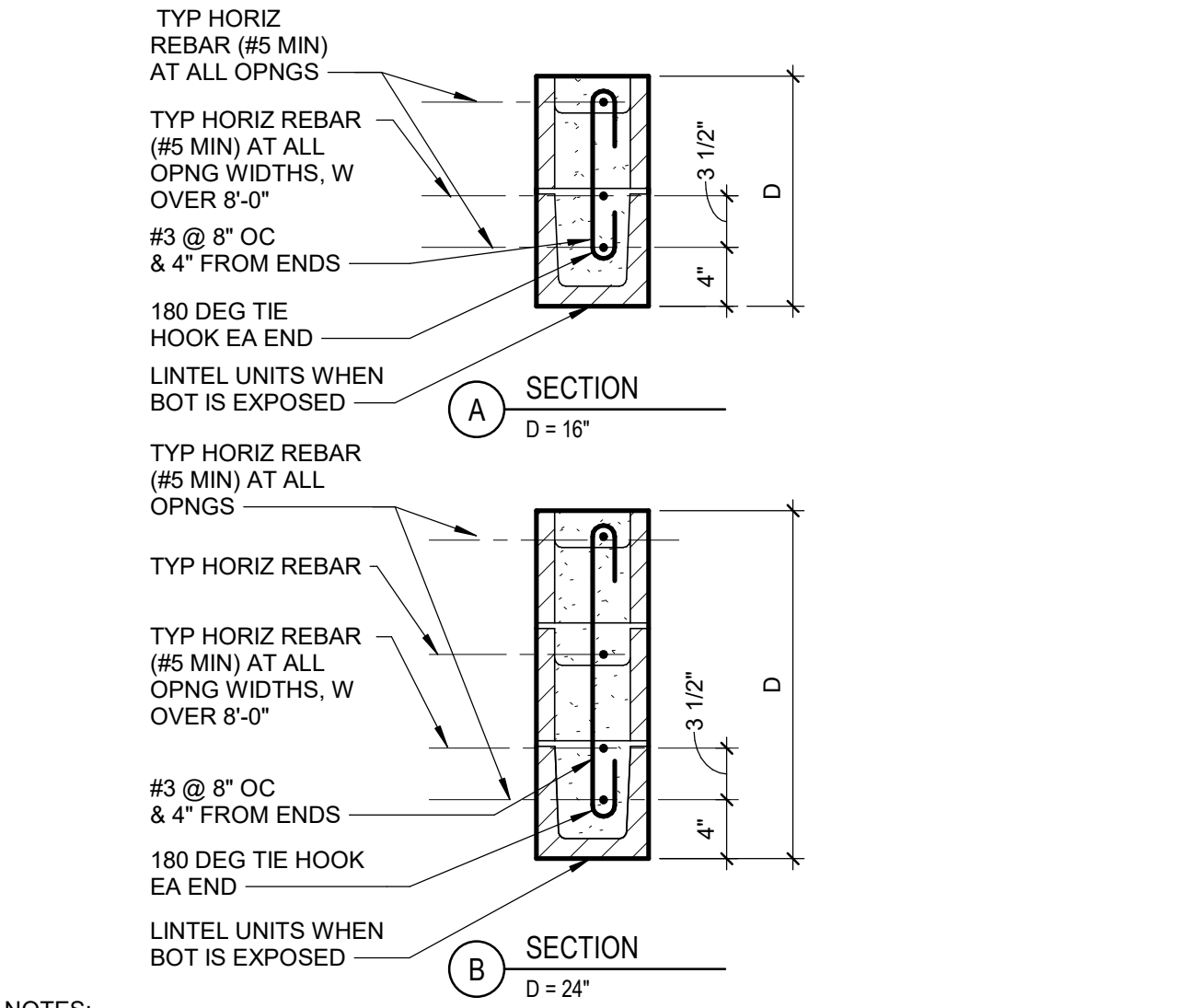
NOTES:
1. PIPE AS NOTED SHALL REFER TO: PIPES, CONDUITS OR SLEEVES.
2. ONLY RIGID PIPES ARE PERMITTED. NO ALUMINUM PERMITTED. DO NOT CROSS PIPES.
3. PIPES SHALL NOT BE EMBEDDED THAT WILL CONTAIN LIQUID, GAS, OR VAPORS AT TEMPERATURES HIGHER THAN 150°F, UNDER PRESSURES IN EXCESS OF 55 PSI, OR SUBJECT TO FREEZING.
4. WRAP PIPE SWEEPS & FITTINGS W/ 1/8" MIN THICK FOAM TAPE.
5. WHEN POSSIBLE LOCATE PIPES & JUNCTION BOXES IN CELLS THAT ARE UNREINFORCED. WHERE SPACING OR CLEARANCE CANNOT BE MAINTAINED OR REBAR IS INTERRUPTED, PROVIDE REINF AS REQ FOR TYPICAL MASONRY OPENING.
6. PLACE PIPE & FOAM TAPE 1/2" MIN CLR FROM INTERIOR MASONRY SURFACES.
7. EMBEDDED PIPES SHALL NOT CROSS MASONRY DOWEL, CONTROL KEY OR RAKE JOINTS.
12 TYP PIPE EMBED IN MASONRY
SCALE: NTS S-048200_T003A 150427



NOTES:
1. W = WIDTH OPNG, L = LENGTH WALL SEGMENT
2. VERT REBAR SHALL HAVE MATCHING DOWELS AT FTG W/ STD LAP, TYP.
3. HORIZ END REBAR NOT REQ AT SITE WALLS.
2 TYP MASONRY JAMB / END
SCALE: NTS S-048200_T020A 180425



NOTES:
1. W = WIDTH OPNG, L = LENGTH WALL SEGMENT
2. MASONRY DIMENSIONS SHOWN ARE NOMINAL
3. SEE TYPICAL DETAILS & PLANS FOR TYP VERT / JAMB REBAR.
3 TYP MASONRY LONG PIER
SCALE: NTS S-048200_T021A 190425



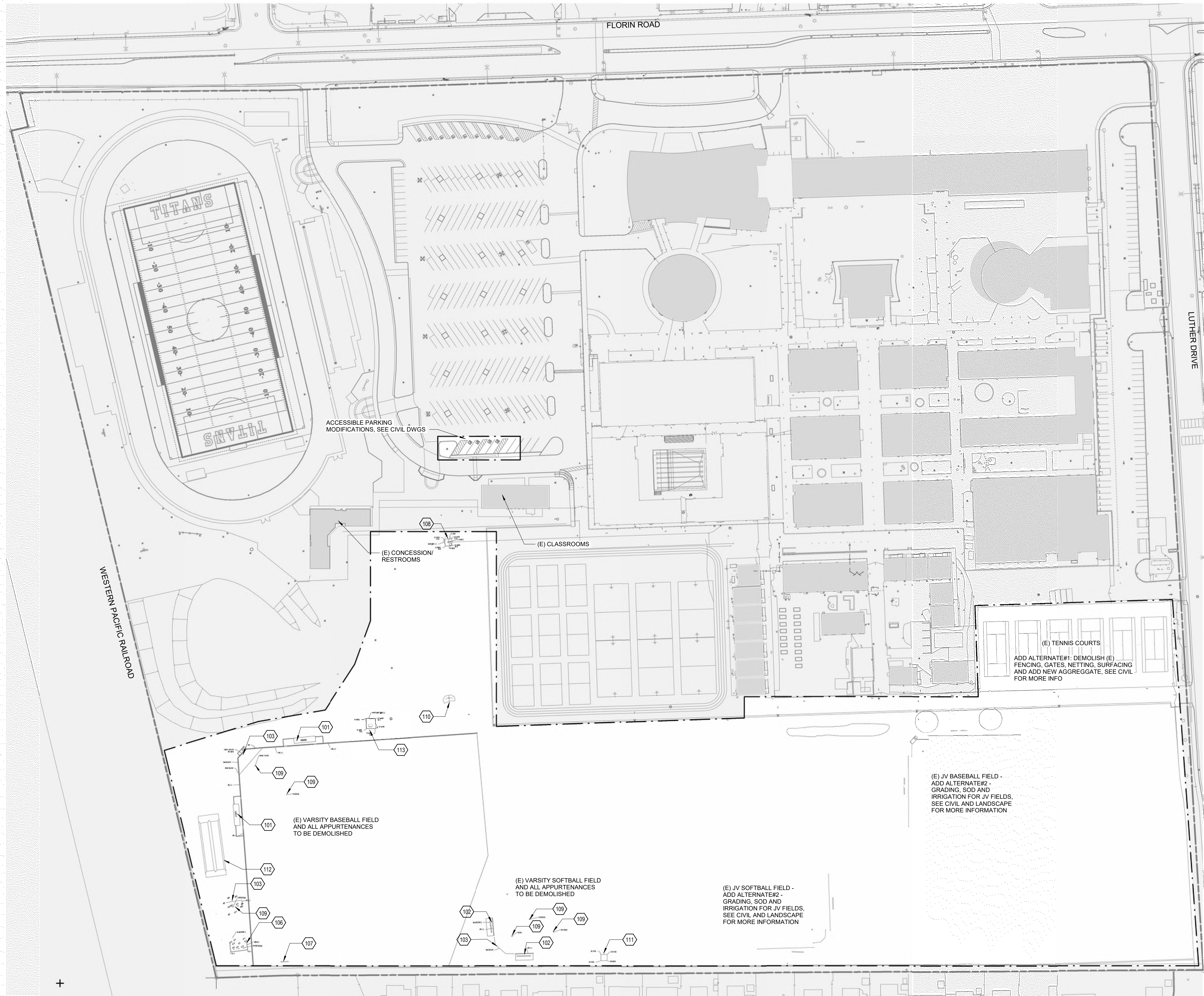
NOTES:
1. W = WIDTH OPNG, D = DEPTH LINTEL
2. MASONRY DIMENSIONS SHOWN ARE NOMINAL
8 TYP MASONRY SHALLOW LINTEL
SCALE: NTS S-048200_T025A 190506

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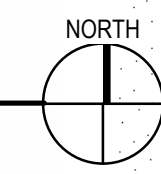
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1 SITE PLAN - EXISTING SITE PLAN
SCALE 1/8" = 1'-0"



GENERAL NOTES

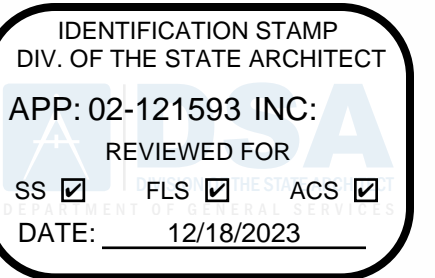
1. (E) SITE ELEMENTS SHOWN TO BE DEMOLISHED IN THEIR ENTIRETY INCLUDING ALL UNDERGROUND CONCRETE FOOTINGS AND UTILITY LINES.
2. CONTRACTOR SHALL DEMO & TRANSPORT OFF SITE ALL ITEMS INCLUDED IN THE CONTRACT DOCUMENTS, UNLESS NOTED OTHERWISE. THOSE ITEMS INCLUDE, BUT NOT LIMITED TO: PAVING, CONCRETE, LANDSCAPE, TREES & ROOTS AND OTHER MATERIALS AS REQUIRED TO PERFORM NEW WORK.
3. CONTRACTOR SHALL PATCH AND REPAIR ALL ADJACENT AREAS AFFECTED BY DEMOLITION AS REQUIRED TO MATCH EXISTING CONDITIONS.
4. ALL AREAS ON DEMOLITION PLANS ARE FOR REFERENCE ONLY. CONTRACTOR IS EXPECTED TO FIELD VERIFY ALL AREAS TO DETERMINE SPECIFIC SCOPE FOR EACH ITEM.
5. ALL SAFEGUARDS MUST BE ADHERED TO DURING CONSTRUCTION AND DEMOLITION PER CFC & CBC CHAPTER 33.
6. SEE OTHER DISCIPLINES FOR ADDITIONAL DEMOLITION SCOPE NOT NOTED HERE.
7. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL COORDINATE LOCATIONS FOR SITE ACCESS, TEMPORARY FENCING, TRAILERS, CONEX BOXES, AND LAY-DOWN / STAGING AREAS WITH DISTRICT REPRESENTATIVES, AND SHALL VERIFY LOCATIONS ARE ACCEPTABLE WITH LOCAL FIRE AFD.
8. ALL EXISTING UTILITIES, SUCH AS BUT NOT LIMITED TO: WATER, SEWER, GAS AND DATA SHALL BE CAPPED. CONTRACTOR TO PROVIDE SOV AS NEEDED.
9. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.
10. PRIOR TO DEMOLITION, CONTRACTOR SHALL COORDINATE WITH DISTRICT TO RESOLVE DEMOLISHED ITEMS TO BE SALVAGED. CONTRACTOR SHALL PROVIDE DISTRICT FIRST ITEMS. CONTRACTOR SHALL RELOCATE ITEMS TO BE SALVAGED TO AREA OF CAMPUS AS DIRECTED BY DISTRICT REPRESENTATIVES.
11. CONTRACTOR SHALL COORDINATE ROUGH GRADING AND FINE GRADING TO ENSURE EXISTING SUITABLE TOPSOIL IS REMOVED, STOCKPILED AND REINSTALLED INTO ALL PROPOSED LANDSCAPE AREAS PER LANDSCAPE SPECIFICATION SECTION 32 90 00. IN THE EVENT THERE IS NOT ENOUGH EXISTING TOPSOIL, OR NO PLACE TO STOCKPILE TOPSOIL, CONTRACTOR SHALL IMPORT AND INSTALL TOPSOIL PER LANDSCAPE SPECIFICATION SECTION 32 90 00.

LEGENDS

- PROPERTY LINE
- LIMITS OF ARCHITECTURAL SCOPE OF WORK

KEYNOTES

- 101 DEMOLISH EXISTING BASEBALL DUGOUTS IN THEIR ENTIRETY
- 102 DEMOLISH EXISTING SOFTBALL DUGOUTS IN THEIR ENTIRETY
- 103 EXISTING CHAINLINK FENCE & GATE TO BE REMOVED
- 106 DEMOLISH EXISTING BULLPEN IN ITS ENTIRETY
- 107 DEMOLISH EXISTING SCOREBOARD IN ITS ENTIRETY
- 108 DEMOLISH EXISTING ENCLOSURE, SEE CIVIL AND ELEC DWG
- 109 EXISTING BASES TO BE DEMOLISHED; TYP
- 110 DIRT AND DEBRIS PILE TO BE REMOVED
- 111 EXISTING CONCRETE PAVING AND BASE AGGREGGATES TO BE DEMOLISHED
- 112 EXISTING BATTING CAGE ENCLOSURE TO REMAIN. DEMO EXISTING SYNTHETIC TURF. SEE CIVIL FOR MORE INFO
- 113 EXISTING IRRIGATION CONTROLLER, BOOSTER, FENCING AND CONC TO BE REMOVED. SEE CIVIL AND LA DWGS FOR MORE INFO

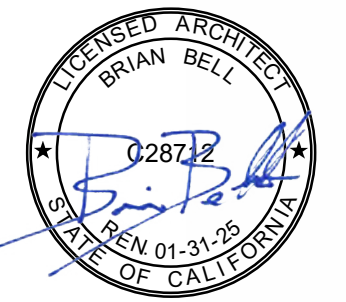


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PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

MANAGEMENT

LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	
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TITLE

SITE DEMOLITION PLAN

SHEET

AD101

0' 1/4" = 12'

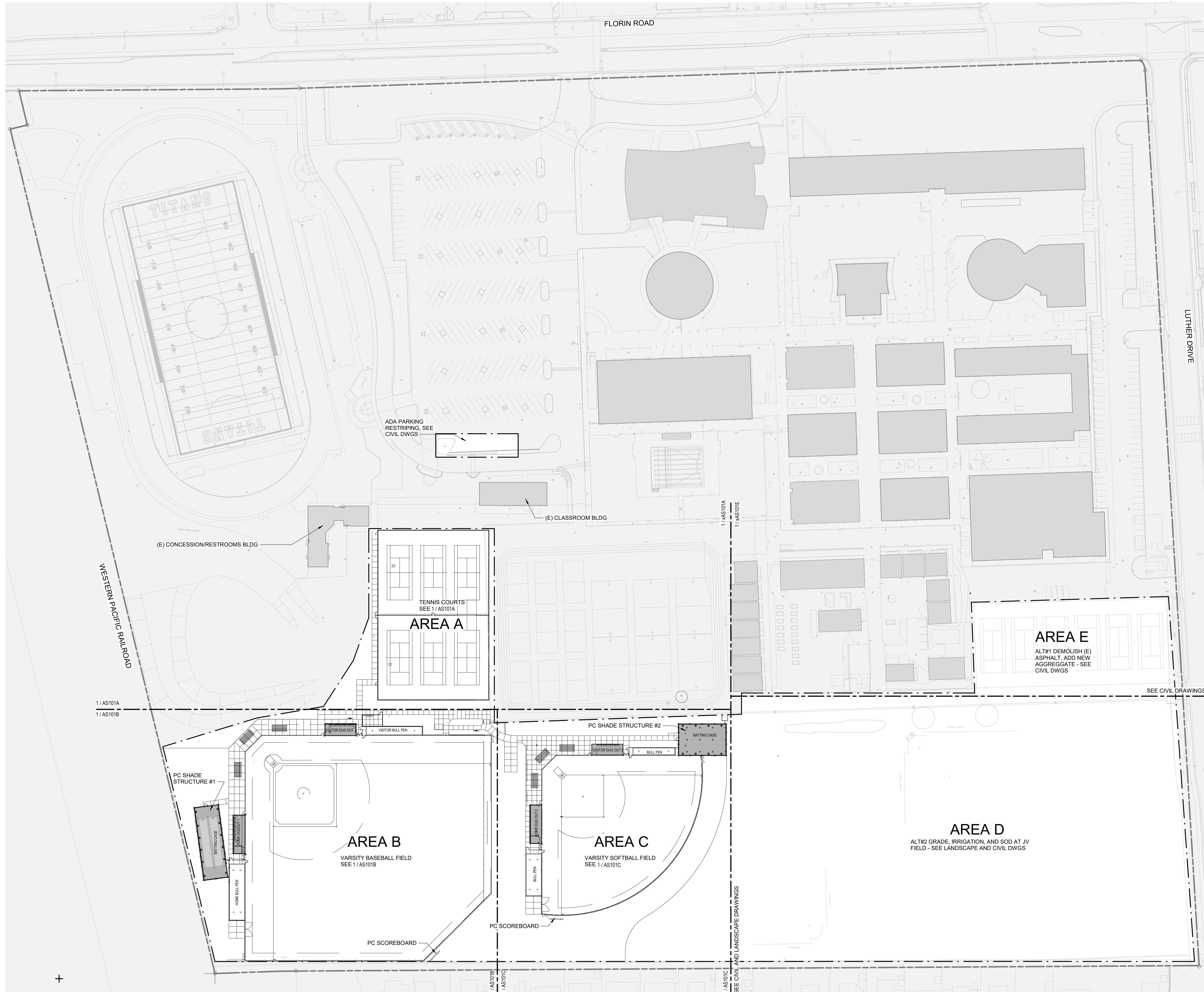
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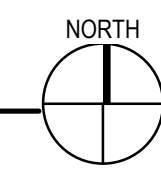
B

BM 1301.023041 SOUTH BURLINGAME FIELDS 02/04/14_ARCHITECT_ECOL_CENTRAL.rvt

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1 SITE PLAN - OVERALL
SCALE: 1" = 60'-0"

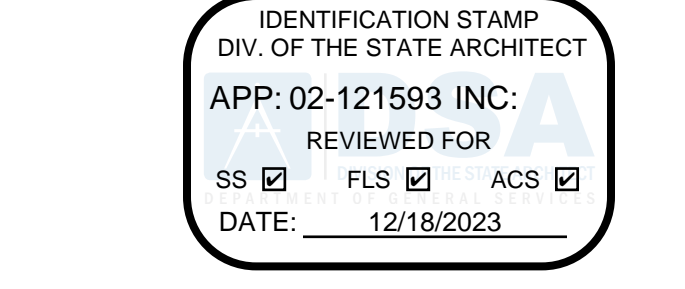


GENERAL NOTES

1. SEE SHEETS GA101 FOR ACCESSIBLE PATH OF TRAVEL.
2. SEE CIVIL DRAWINGS FOR FLATWORK TYPES AND SECTIONS.
3. SEE CIVIL AND LANDSCAPE DRAWINGS FOR PATH OF TRAVEL IMPROVEMENT.
4. SEE CIVIL AND LANDSCAPE DRAWINGS FOR DIMENSIONS NOT OTHERWISE SHOWN ON THIS DRAWING.
5. SEE CIVIL AND LANDSCAPE DRAWINGS FOR EQUIPMENT AND LAYOUTS.
6. PROVIDE 12" CONCRETE MOW STRIP BETWEEN LANDSCAPE AREAS, SEE CIVIL.
7. SEE CIVIL SHEETS FOR ROUTING OF ALL UNDERGROUND CONNECTION POINTS TO STORM DRAINAGE SYSTEM, WATER, AND SEWER LINES SHOWN ON CIVIL DRAWINGS.
8. SEE OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK

LEGEND

- LIMITS OF ARCHITECTURAL SCOPE OF WORK
- (E) SITE W/ NO SCOPE OF WORK
- (E) BUILDING (NOT IN SCOPE)
- STRUCTURE UNDER THE SCOPE OF WORK

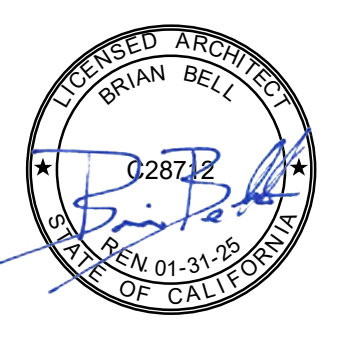


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ATHLETIC FIELDS RENOVATION**

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SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

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	12/01/2023	DSA APPROVAL

MANAGEMENT

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DSA APPLICATION NO:	02-121593
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TITLE

SITE PLAN - OVERALL

SHEET

AS101

0 1/4" = 1' - 0"

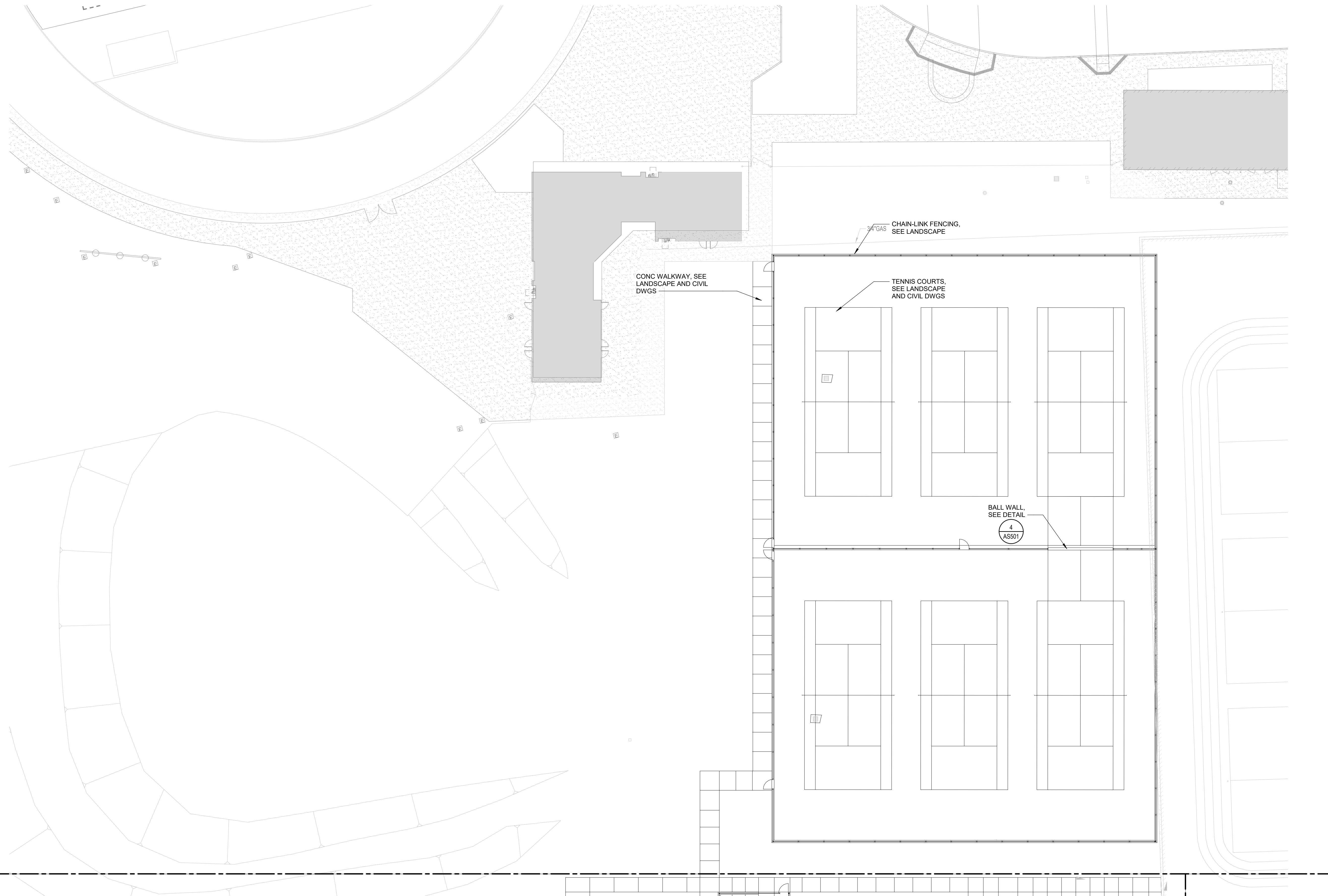
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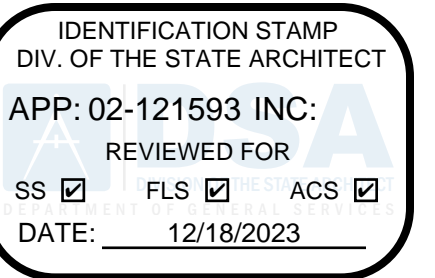
1 SITE PLAN - ENLARGED AREA - TENNIS COURTS
SCALE 1" = 20'-0"

GENERAL NOTES

1. SEE SHEETS GA101 FOR ACCESSIBLE PATH OF TRAVEL.
2. SEE CIVIL DRAWINGS FOR FLATWORK TYPES AND SECTIONS.
3. SEE CIVIL AND LANDSCAPE DRAWINGS FOR PATH OF TRAVEL IMPROVEMENT.
4. SEE CIVIL AND LANDSCAPE DRAWINGS FOR DIMENSIONS NOT OTHERWISE SHOWN ON THIS DRAWING.
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7. SEE CIVIL SHEETS FOR ROUTING OF ALL UNDERGROUND CONNECTION POINTS TO STORM DRAINAGE SYSTEM, WATER, AND SEWER LINES SHOWN ON CIVIL DRAWINGS.
8. SEE OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK

LEGEND

- LIMITS OF ARCHITECTURAL SCOPE OF WORK
- (E) SITE W/ NO SCOPE OF WORK
- (E) BUILDING (NOT IN SCOPE)
- STRUCTURE UNDER THE SCOPE OF WORK

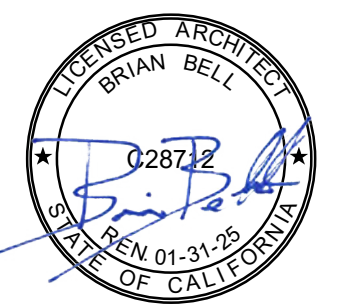


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ATHLETIC FIELDS RENOVATION

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5735 47TH AVENUE, SACRAMENTO, CA 95824

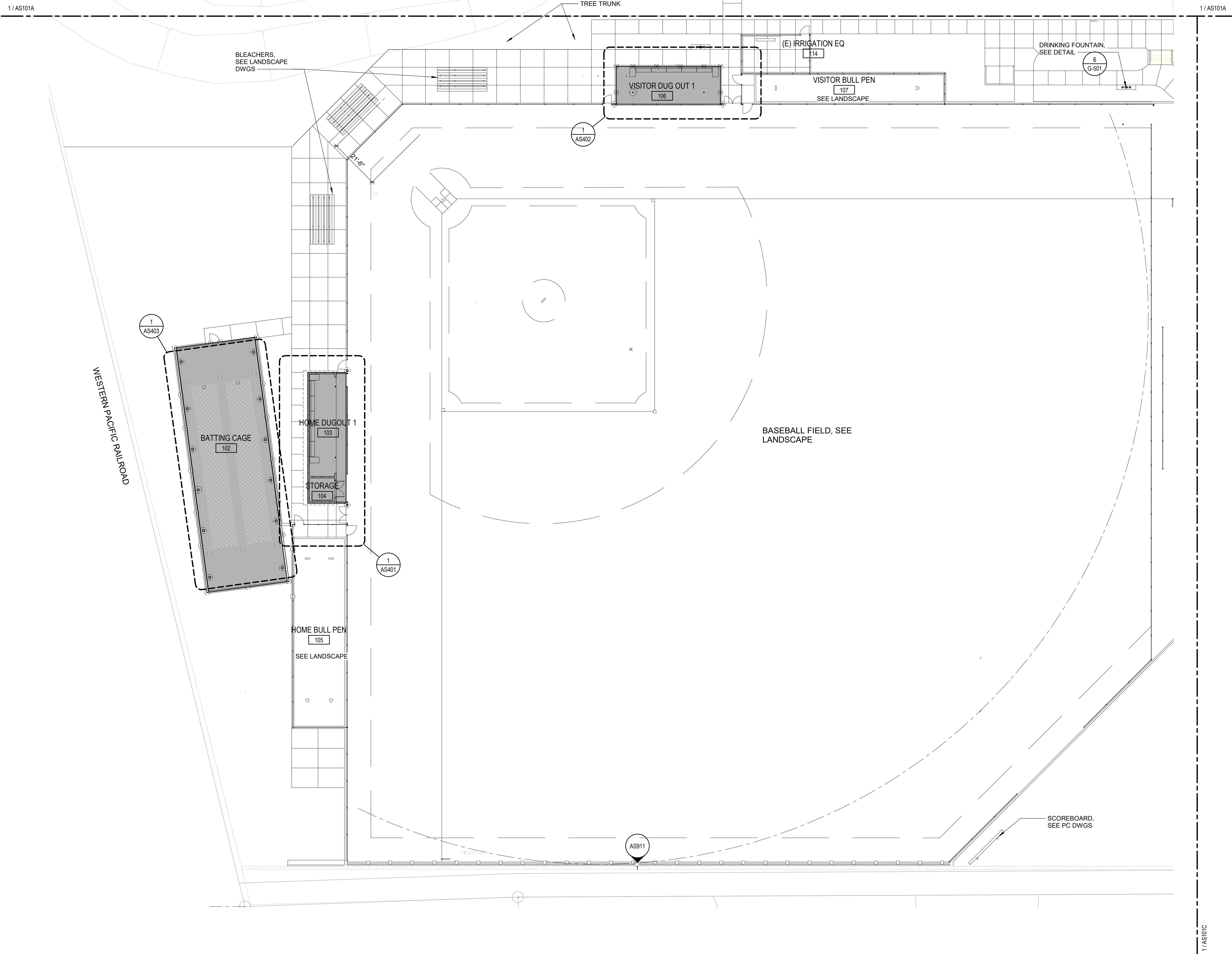
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	12/01/2023	DSA APPROVAL

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TITLE
SITE PLAN - AREA A -
TENNIS COURTS

SHEET
AS101A

11/09/2023 3:28:17 PM BM 130.002341 SQUID BURBANK HS Plans/02341_ARCH/SET_E02_CENTRAL.rvt



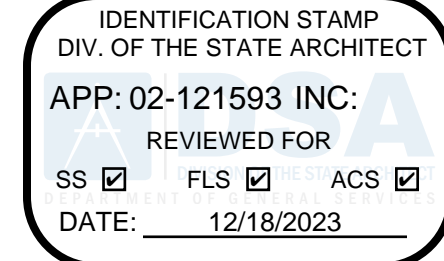
1 SITE PLAN - ENLARGED AREA - VARSITY BASEBALL
SCALE 1" = 20'-0"

GENERAL NOTES

1. SEE SHEETS GA101 FOR ACCESSIBLE PATH OF TRAVEL.
2. SEE CIVIL DRAWINGS FOR FLATWORK TYPES AND SECTIONS.
3. SEE CIVIL AND LANDSCAPE DRAWINGS FOR PATH OF TRAVEL IMPROVEMENT.
4. SEE CIVIL AND LANDSCAPE DRAWINGS FOR DIMENSIONS NOT OTHERWISE SHOWN ON THIS DRAWING.
5. SEE CIVIL AND LANDSCAPE DRAWINGS FOR EQUIPMENT AND LAYOUTS.
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8. SEE OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK

LEGEND

- LIMITS OF ARCHITECTURAL SCOPE OF WORK
- (E) SITE W/ NO SCOPE OF WORK
- (E) BUILDING (NOT IN SCOPE)
- STRUCTURE UNDER THE SCOPE OF WORK

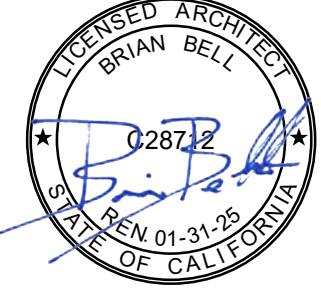


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ATHLETIC FIELDS RENOVATION**

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SACRAMENTO, CA 95823

CLIENT
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5735 47TH AVENUE, SACRAMENTO, CA 95824

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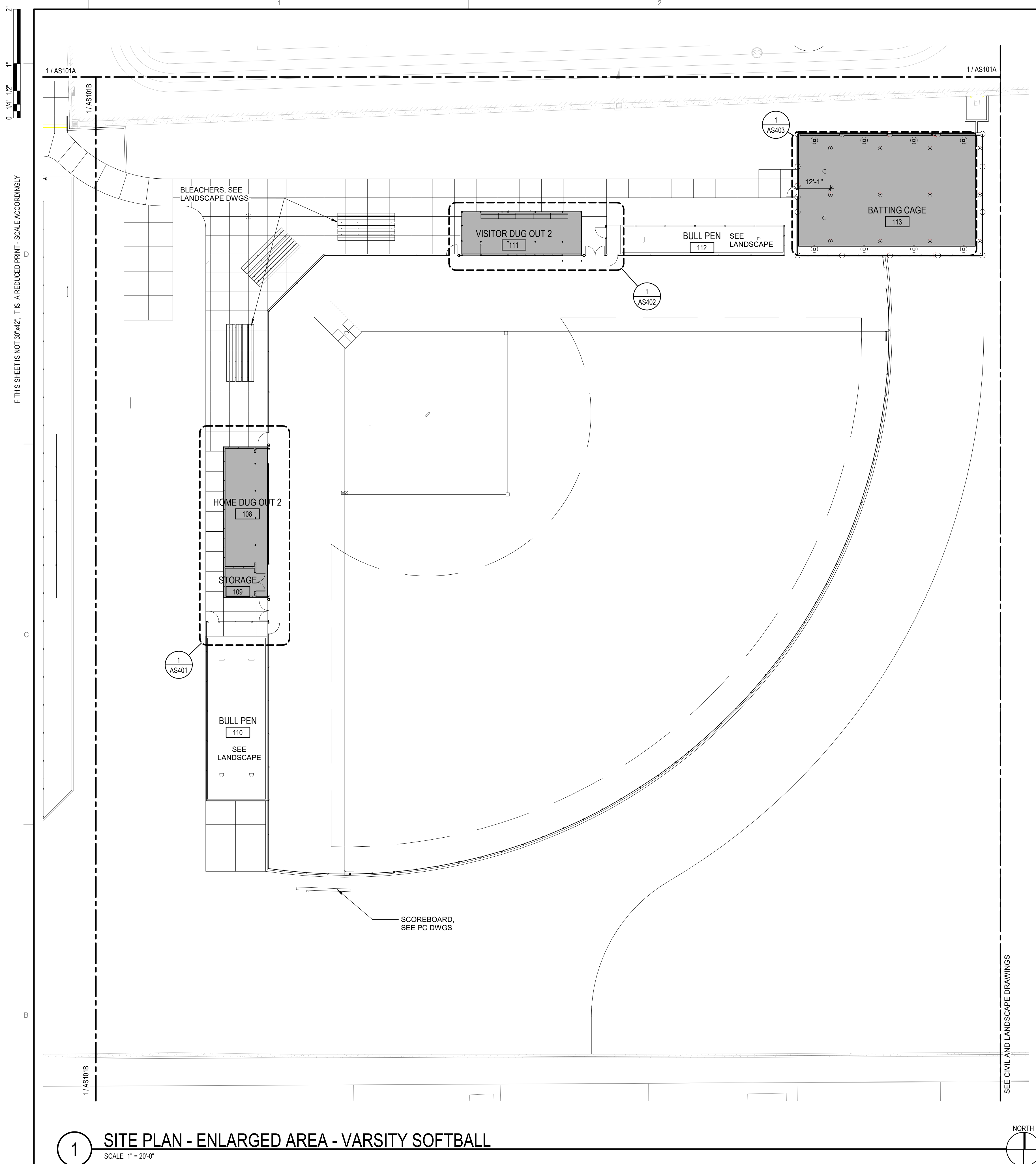
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TITLE

**SITE PLAN - AREA B -
VARSITY BASEBALL
FIELD**

SHEET

AS101B



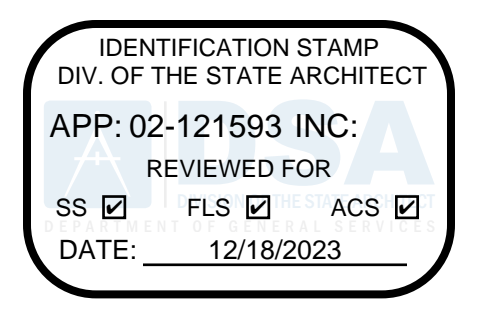
1 SITE PLAN - ENLARGED AREA - VARSITY SOFTBALL
SCALE 1" = 20'-0"

GENERAL NOTES

1. SEE SHEETS GA101 FOR ACCESSIBLE PATH OF TRAVEL.
2. SEE CIVIL DRAWINGS FOR FLATWORK TYPES AND SECTIONS.
3. SEE CIVIL AND LANDSCAPE DRAWINGS FOR PATH OF TRAVEL IMPROVEMENT.
4. SEE CIVIL AND LANDSCAPE DRAWINGS FOR DIMENSIONS NOT OTHERWISE SHOWN ON THIS DRAWING.
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LEGEND

- LIMITS OF ARCHITECTURAL SCOPE OF WORK
- (E) SITE W/ NO SCOPE OF WORK
- (E) BUILDING (NOT IN SCOPE)
- STRUCTURE UNDER THE SCOPE OF WORK

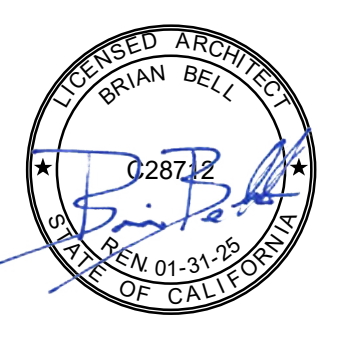


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TITLE
**SITE PLAN - AREA C -
VARSITY SOFTBALL
FIELD**

SHEET
AS101C

0 1/4" = 1'

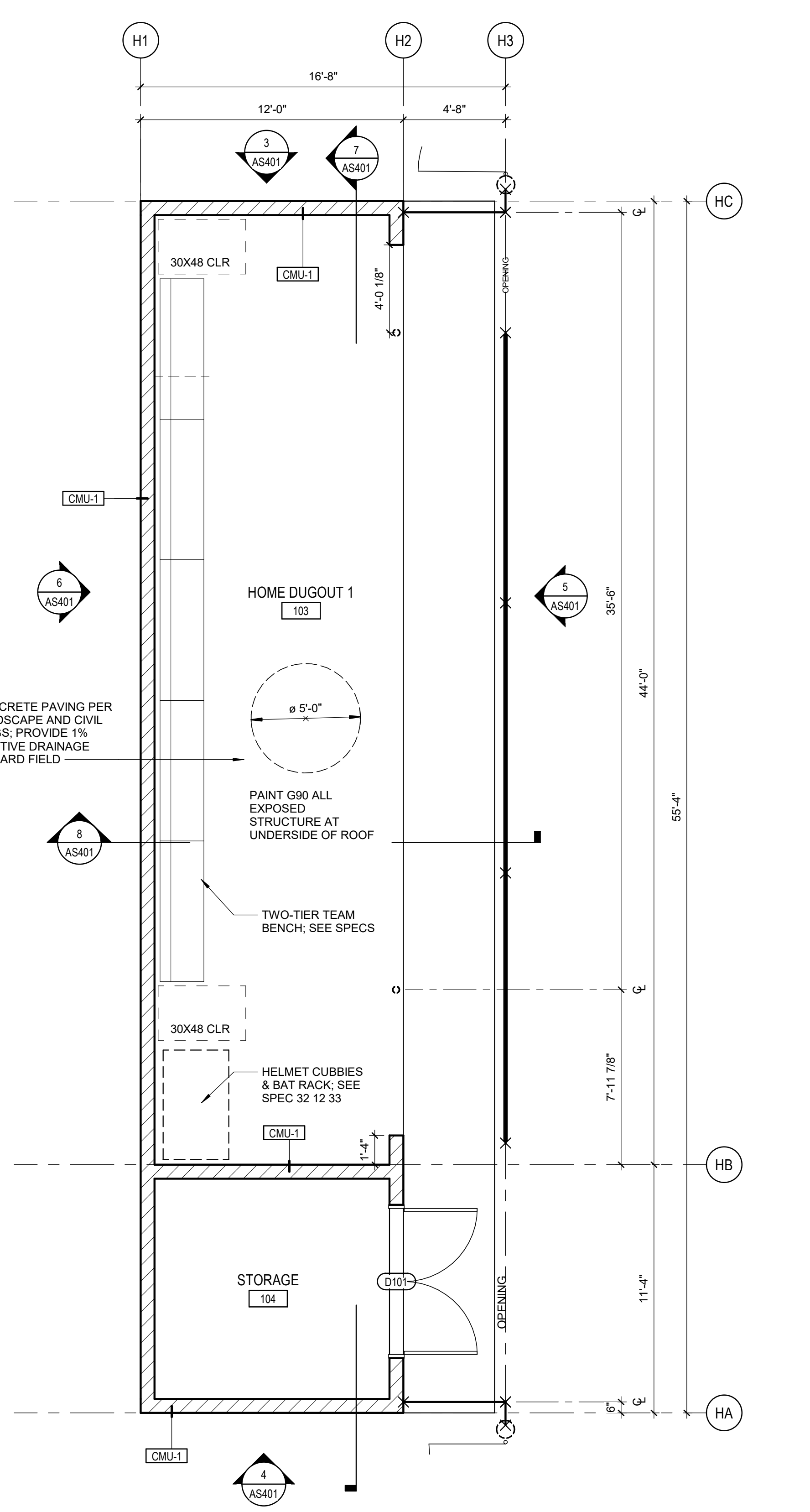
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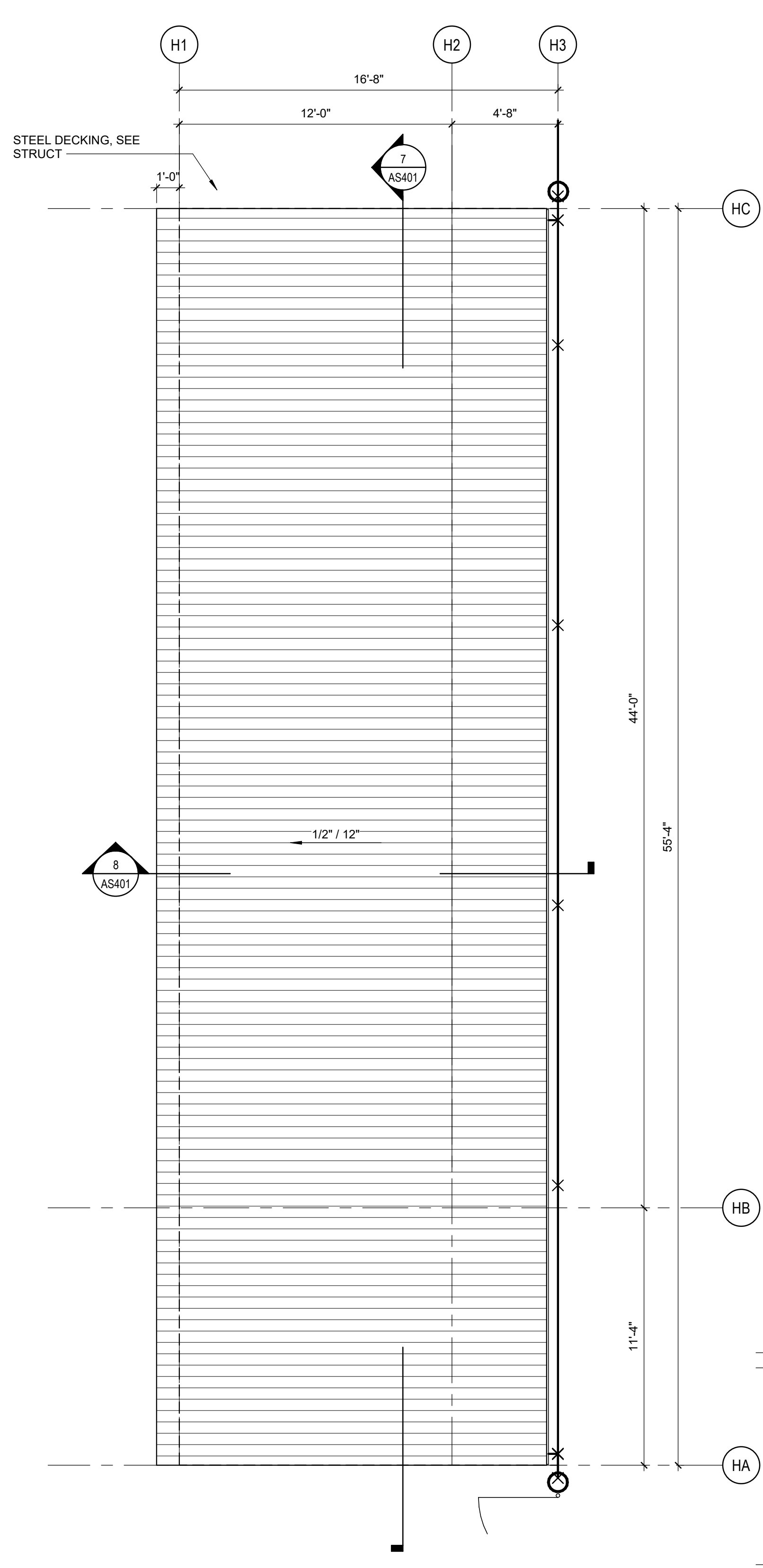
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BM 130.023041 SQUID Burbank HS Plans 02/04/ ARCHITECT: EOL CENTRAL/MT

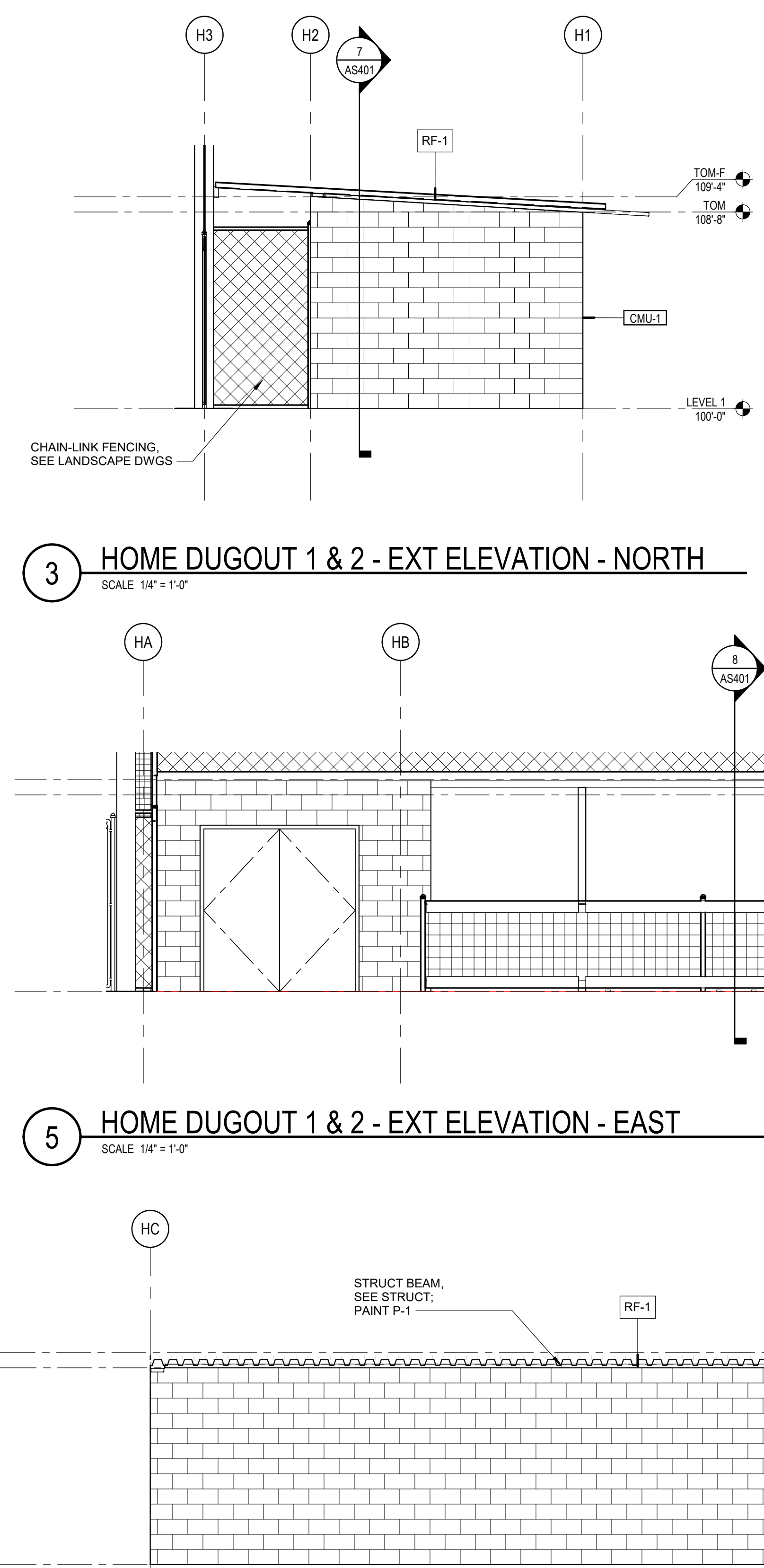
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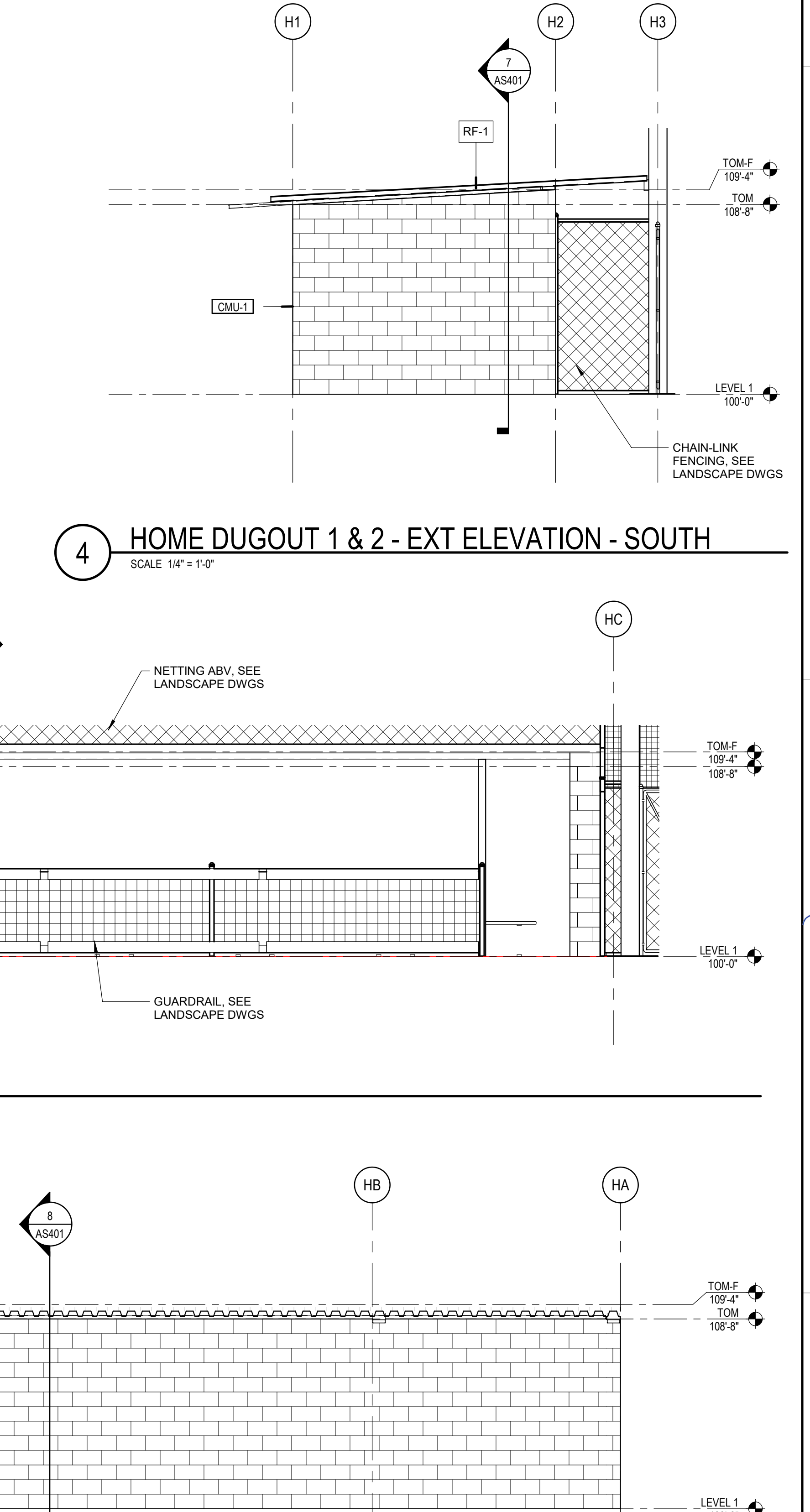
1 HOME DUGOUT 1 & 2 - FLOOR PLAN
SCALE 1/4" = 1'-0"



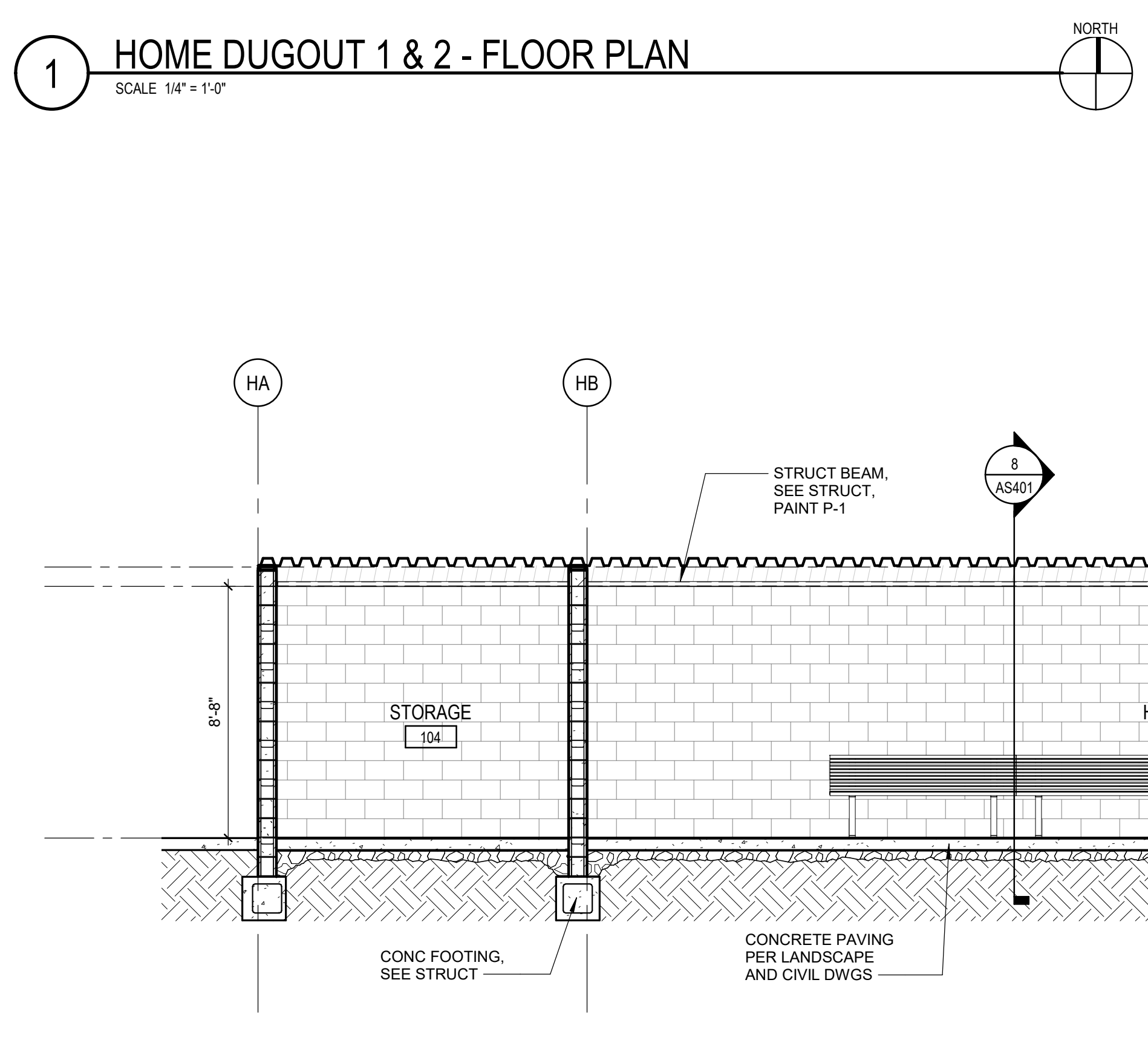
2 HOME DUGOUT 1 & 2 - ROOF PLAN
SCALE 1/4" = 1'-0"



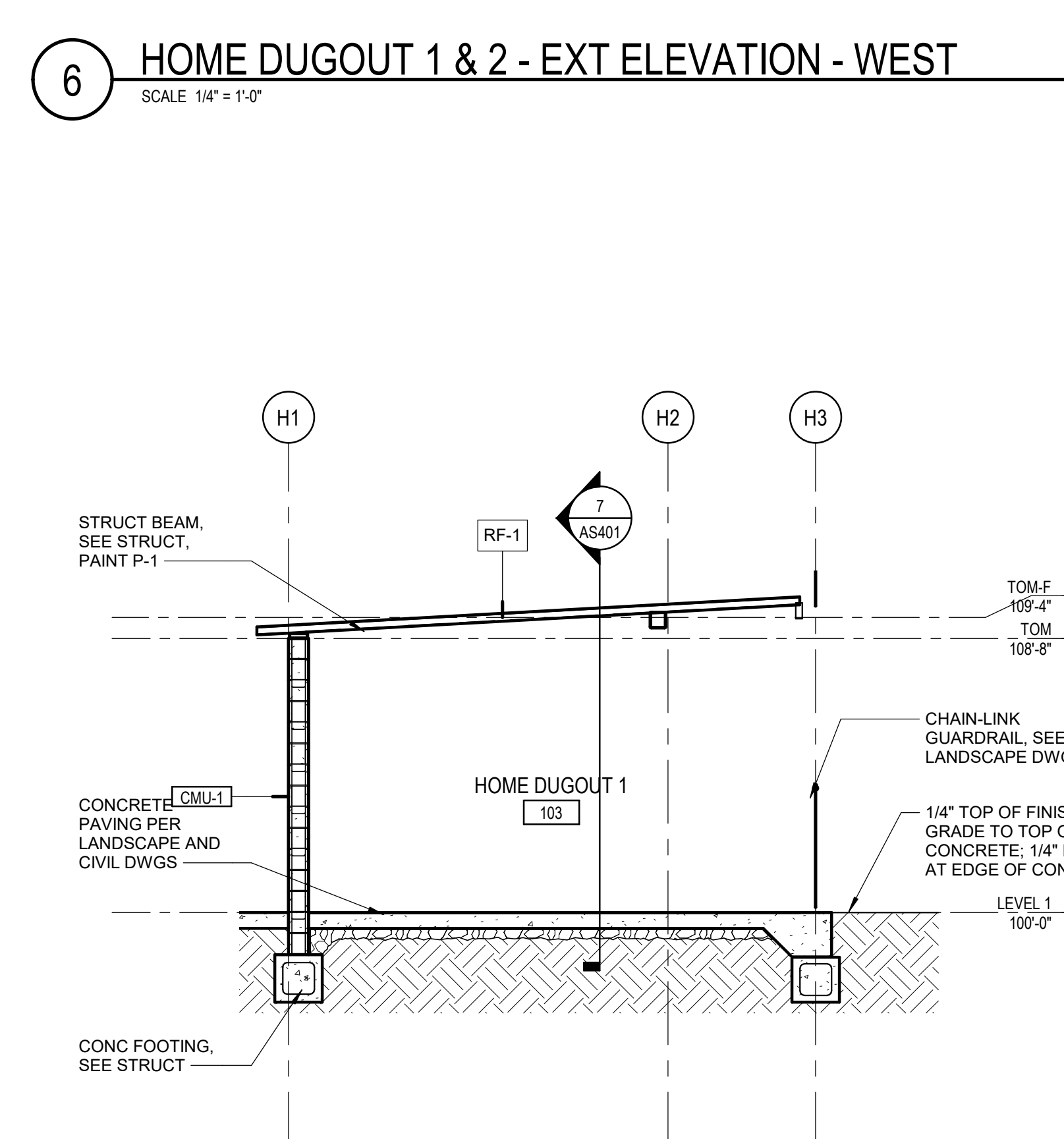
6 HOME DUGOUT 1 & 2 - EXT ELEVATION - WEST
SCALE 1/4" = 1'-0"



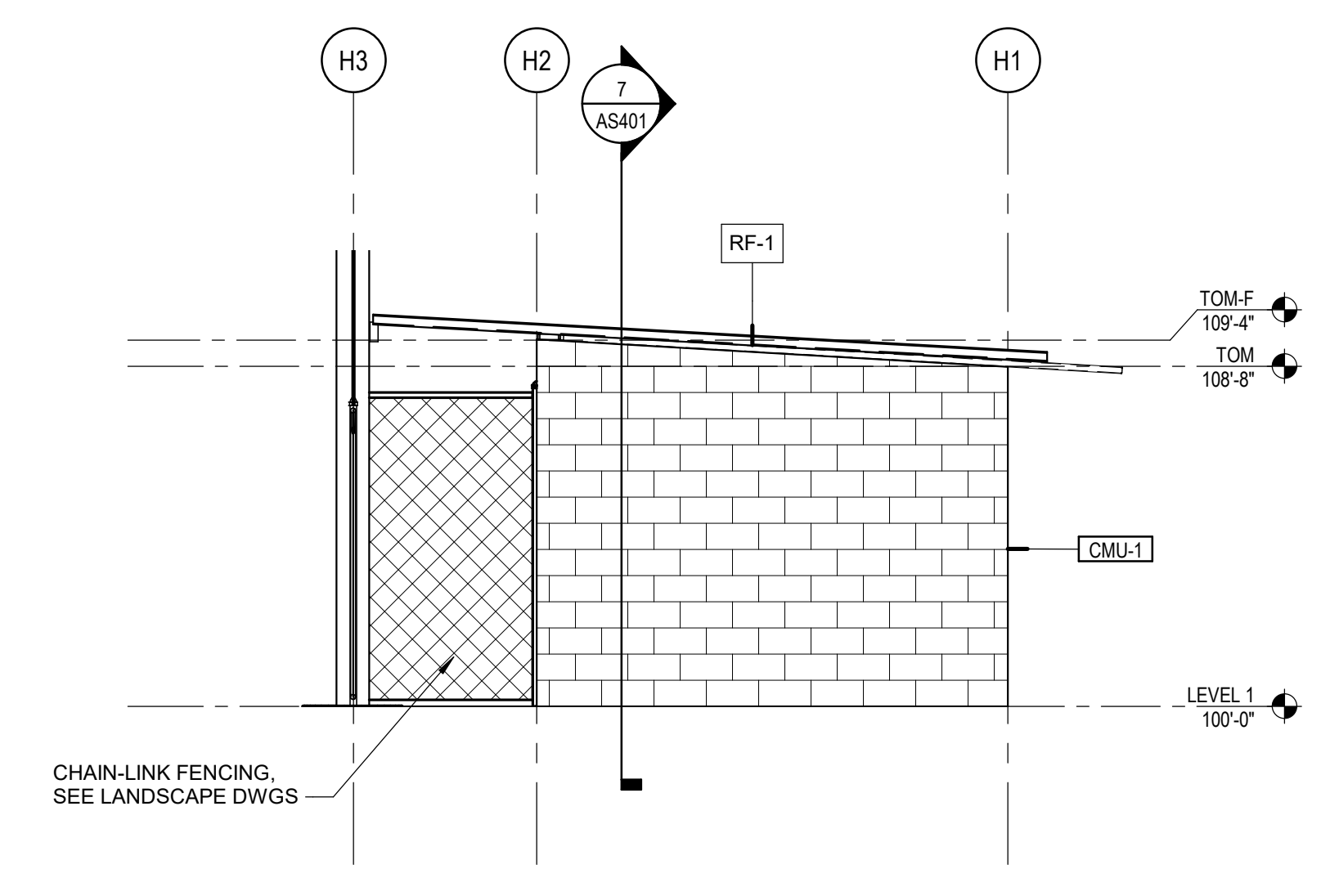
5 HOME DUGOUT 1 & 2 - EXT ELEVATION - EAST
SCALE 1/4" = 1'-0"



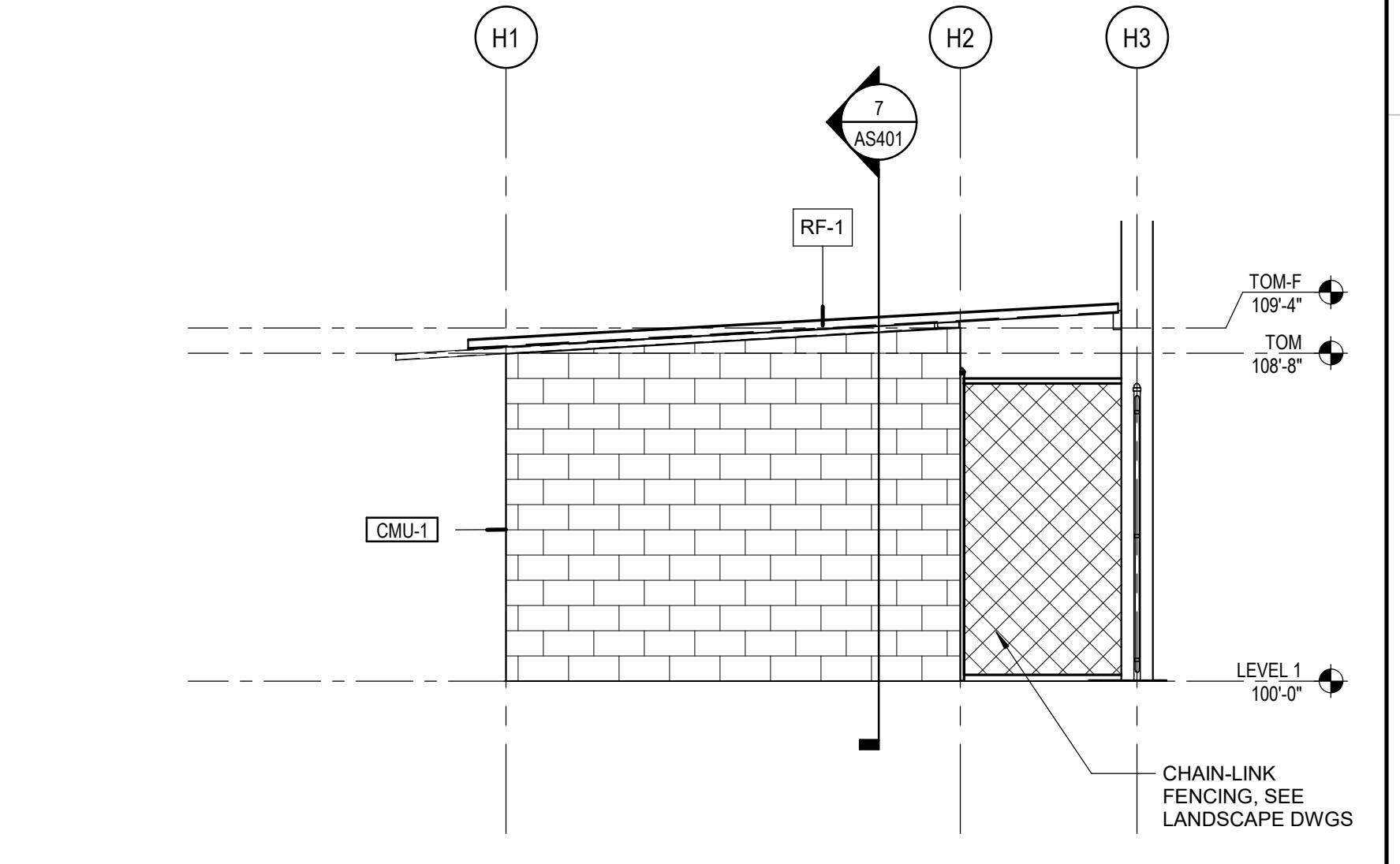
7 HOME DUGOUT 1 & 2 - SECTION 1
SCALE 1/4" = 1'-0"



8 HOME DUGOUT 1 & 2 - SECTION 2
SCALE 1/4" = 1'-0"



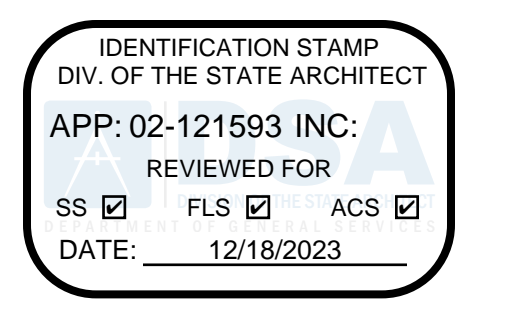
3 HOME DUGOUT 1 & 2 - EXT ELEVATION - NORTH
SCALE 1/4" = 1'-0"



4 HOME DUGOUT 1 & 2 - EXT ELEVATION - SOUTH
SCALE 1/4" = 1'-0"

LEGEND	
CMU-1	CONCRETE MASONRY UNIT, SEE STRUCT MFR: BASALITE PAINTED COLOR: NAVY BLUE (HOME DUGOUT - BASEBALL) MATCH CAMPUS COLOR YELLOW (HOME DUGOUT - VARSITY) MATCH CAMPUS COLOR
RF-1	CORRUGATED METAL ROOFING, SEE STRUCT MFR: PAINT UNDERSIDE OF STRUCTURE AND TRIM COLOR: BLACK (HOME DUGOUT - BASEBALL) YELLOW (HOME DUGOUT - VARSITY) MATCH CAMPUS COLOR
P-1	PAINT COLOR MFR: COLOR: BLACK (HOME DUGOUT - BASEBALL) YELLOW (HOME DUGOUT - VARSITY) MATCH CAMPUS COLOR

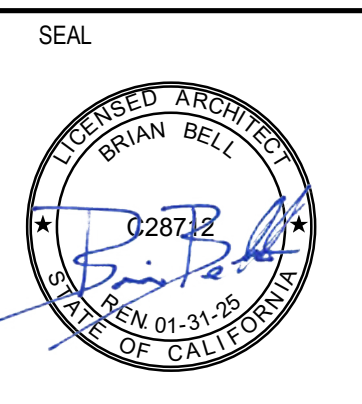
1. FOR STRUCT INFO, SEE SHEET SS401 AND SS402



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PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

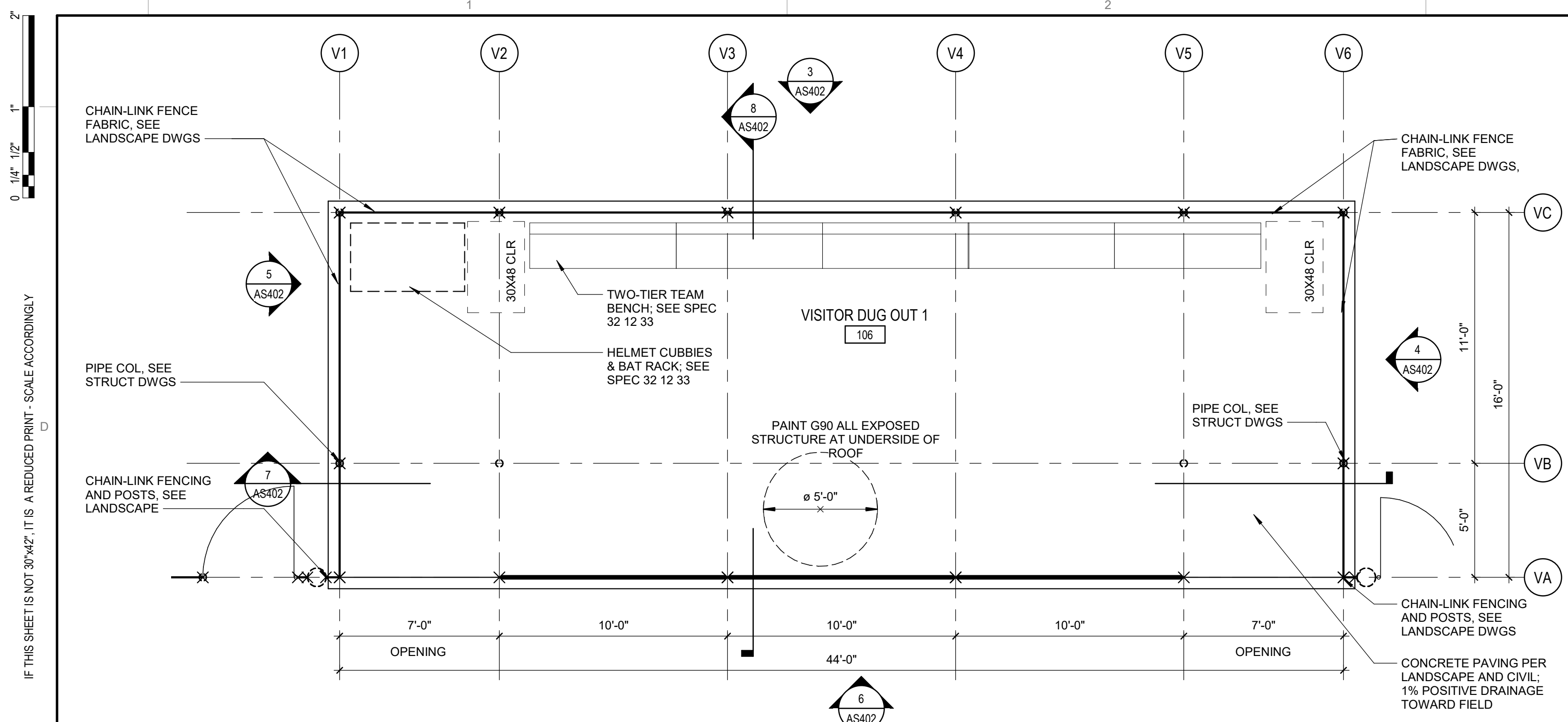
CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED		
MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

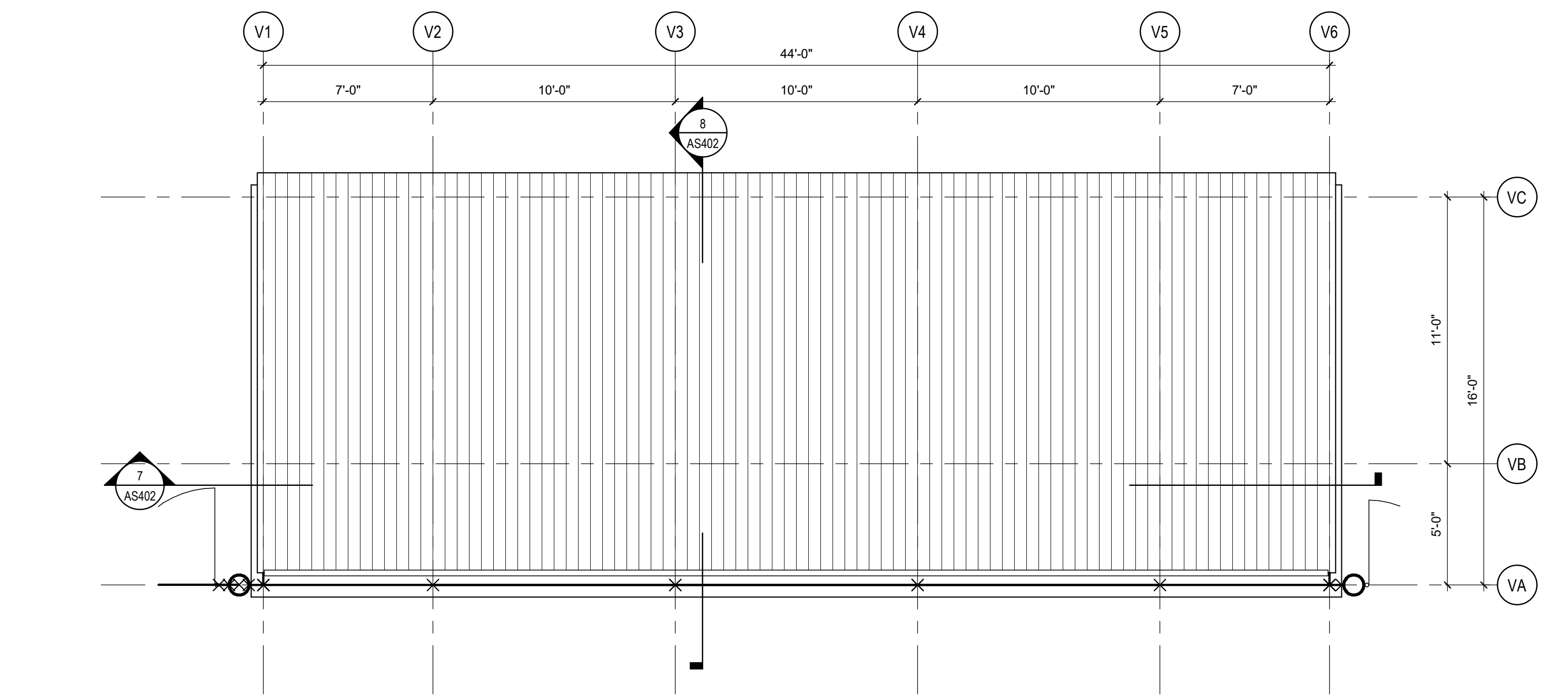
MANAGEMENT	
LIONAKIS PROJECT NO.:	023041
DSA APPLICATION NO.:	02-121593
CLIENT PROJECT NO.:	
COPYRIGHT:	LIONAKIS 2022

TITLE
**ENLARGED PLAN -
HOME DUGOUT**

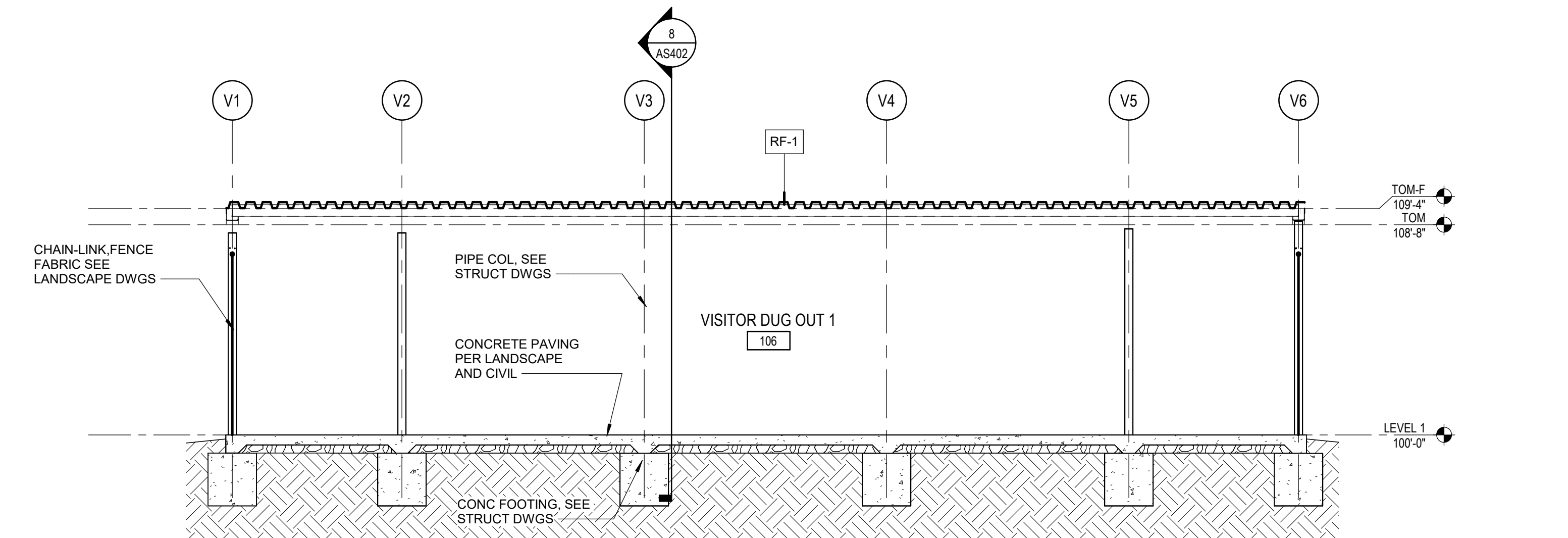
SHEET
AS401



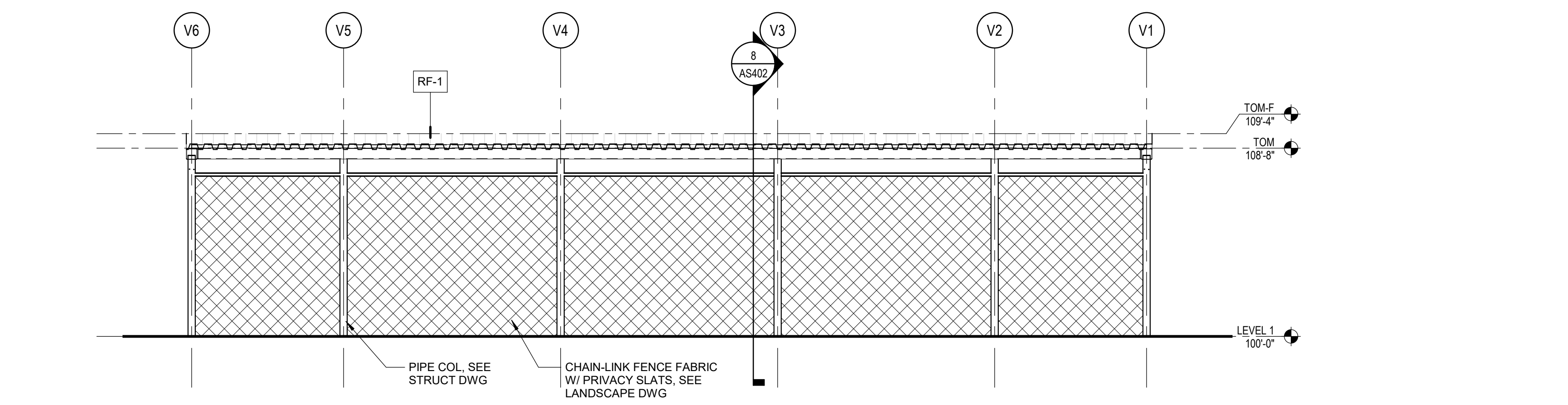
1 VISITOR DUGOUT 1 & 2 - FLOOR PLAN
SCALE 1/4" = 1'-0"



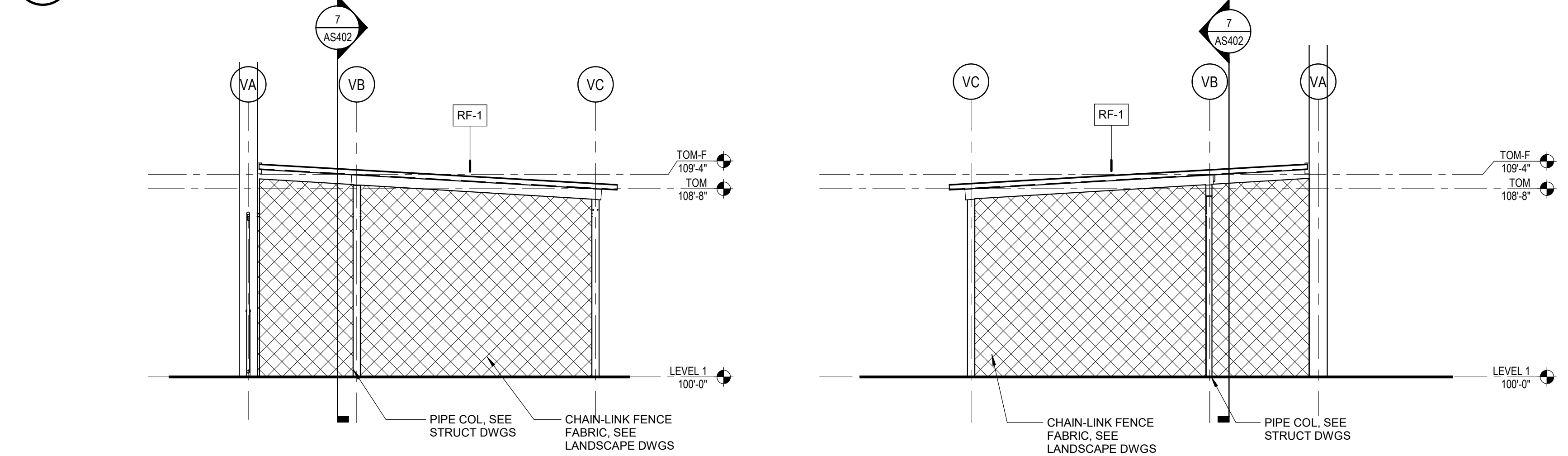
2 VISITOR DUGOUT 1 & 2 - ROOF PLAN
SCALE 1/4" = 1'-0"



7 VISITOR DUGOUT 1 & 2 - SECTION 1
SCALE 1/4" = 1'-0"

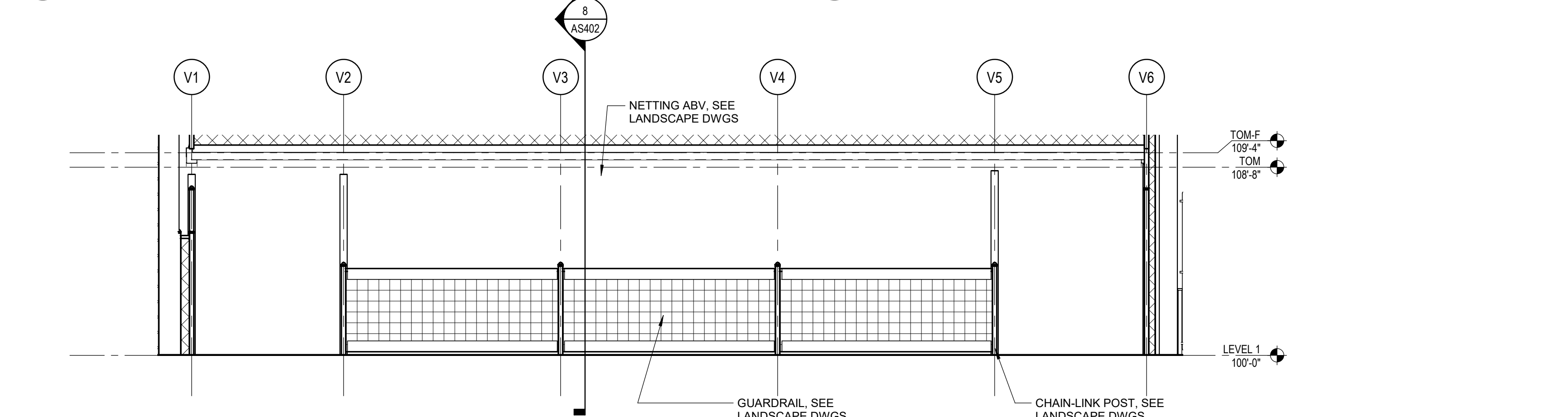


3 VISITOR DUGOUT 1 & 2 - EXT ELEVATION - NORTH
SCALE 1/4" = 1'-0"

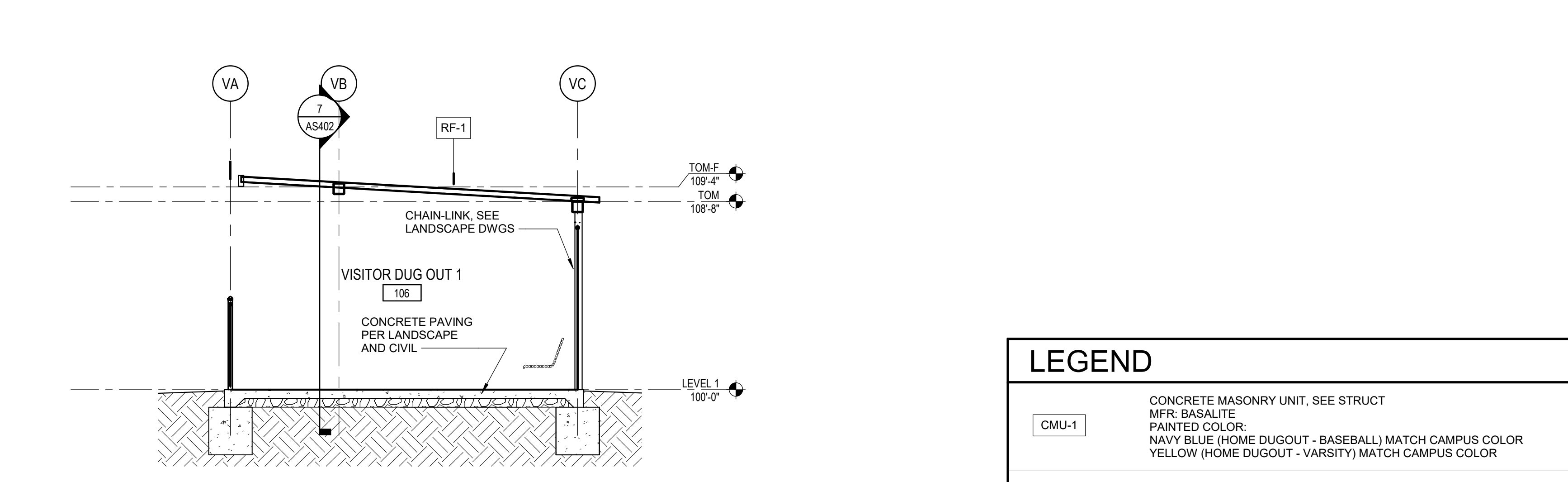


4 VISITOR DUGOUT 1 & 2 - EXT ELEVATION - EAST
SCALE 1/4" = 1'-0"

5 VISITOR DUGOUT 1 & 2 - EXT ELEVATION - WEST
SCALE 1/4" = 1'-0"



6 VISITOR DUGOUT 1 & 2 - EXT ELEVATION - SOUTH
SCALE 1/4" = 1'-0"



8 VISITOR DUGOUT 1 & 2 - SECTION 2
SCALE 1/4" = 1'-0"

LEGEND	
CMU-1	CONCRETE MASONRY UNIT, SEE STRUCT MFR: BASALITE PAINTED COLOR: NAVY BLUE (HOME DUGOUT - BASEBALL) MATCH CAMPUS COLOR YELLOW (HOME DUGOUT - VARSITY) MATCH CAMPUS COLOR
RF-1	CORRUGATED METAL ROOFING, SEE STRUCT MFR: PAINT UNDERSIDE OF STRUCTURE AND TRIM COLOR: BLACK (HOME DUGOUT - BASEBALL) YELLOW (HOME DUGOUT - VARSITY) MATCH CAMPUS COLOR
P-1	PAINT COLOR MFR: COLOR: BLACK (HOME DUGOUT - BASEBALL) YELLOW (HOME DUGOUT - VARSITY) MATCH CAMPUS COLOR

1. FOR STRUCT INFO, SEE SHEET SS401 AND SS402

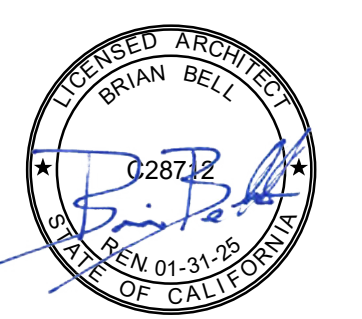
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121593 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 12/18/2023

LIONAKIS

2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900 F 916.558.1919
www.lionakis.com

CONSULTANT

SEAL



PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED		
MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

MANAGEMENT	
LIONAKIS PROJECT NO.	023041
DSA APPLICATION NO.	02-121593
CLIENT PROJECT NO.	
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TITLE
**ENLARGED PLAN -
VISITOR DUGOUT**

SHEET
AS402

IF THIS SHEET IS NOT 30"x42" IT IS A REDUCED PRINT - SCALE ACCORDINGLY

BM1300.002041 - SQUARED Burbank HS Plans/02/04_ARCHITECT_EOL_CENTRAL.rvt

1/10/2023 3:28:20 PM

0 1/4" = 1'

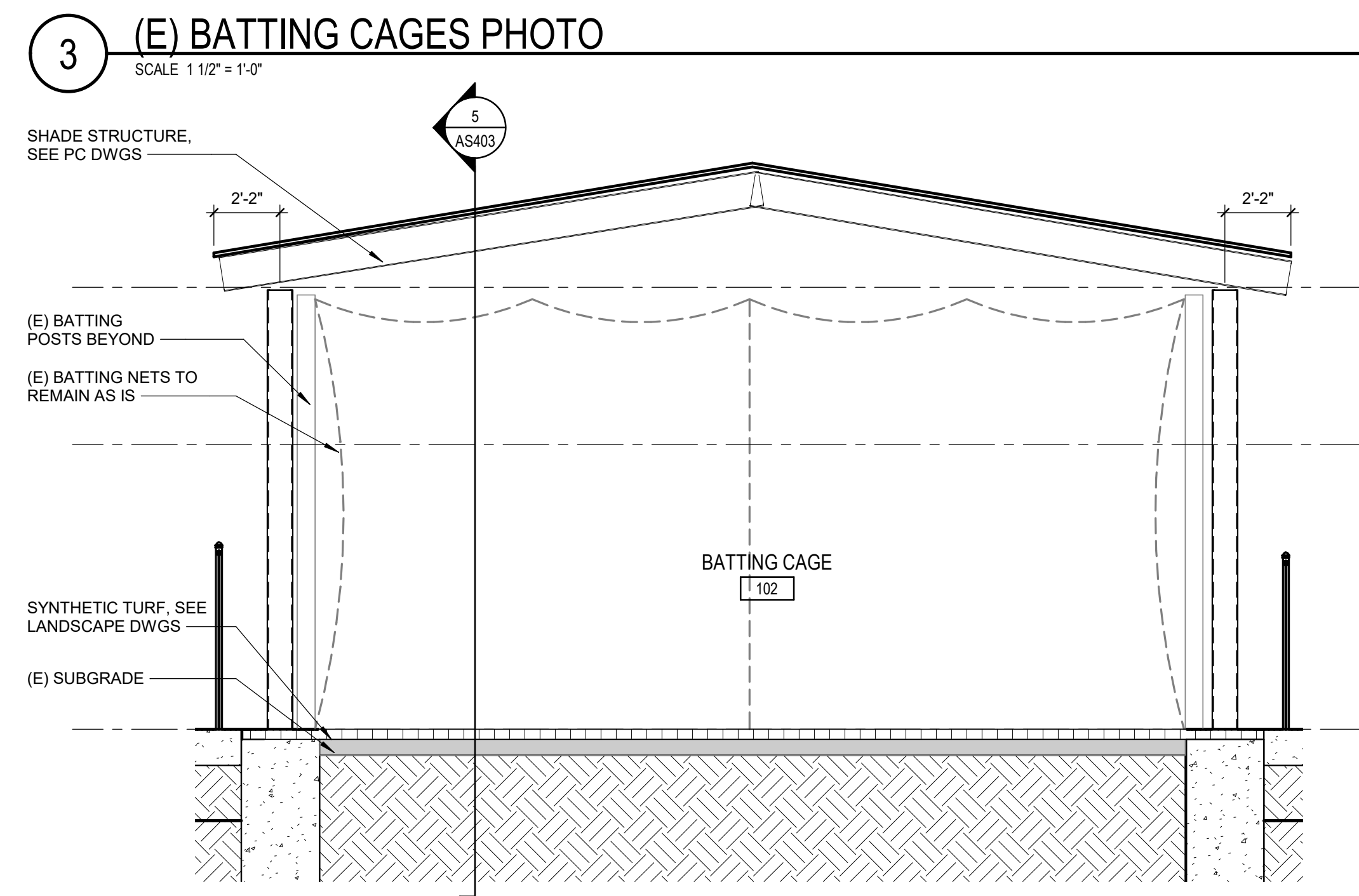
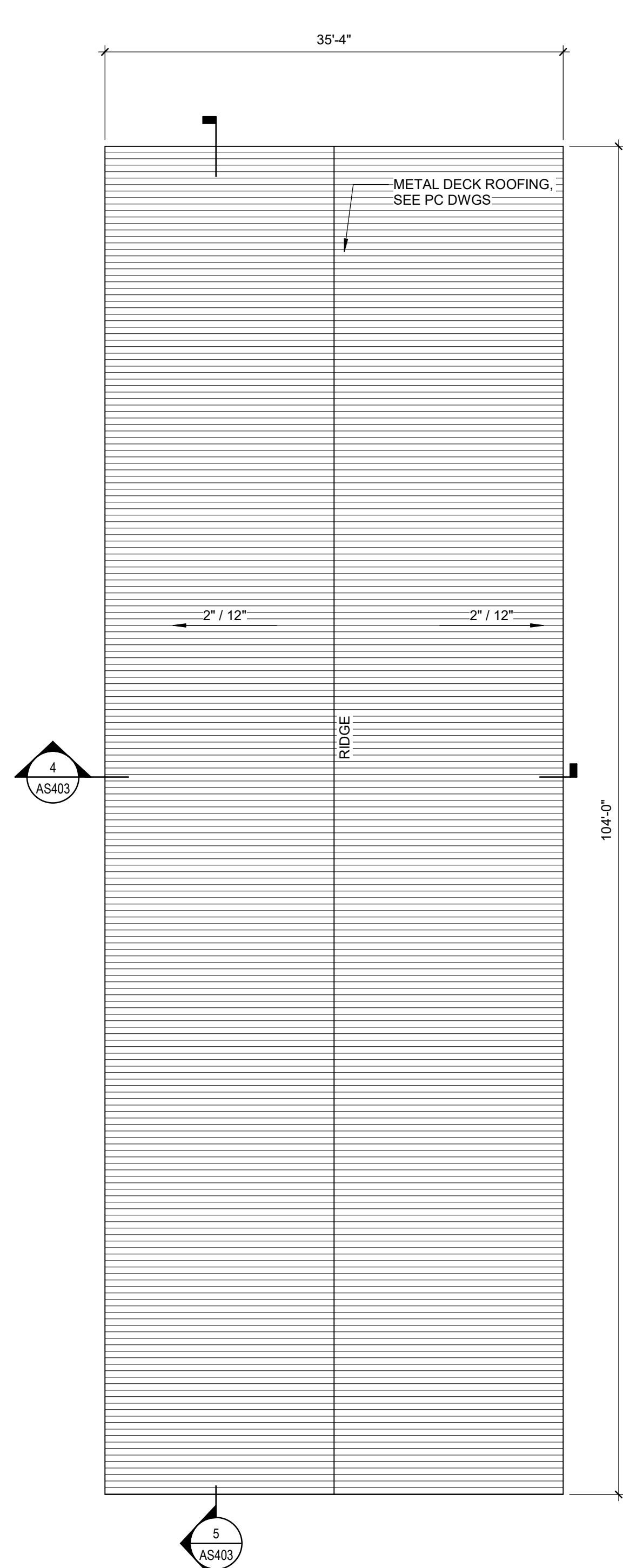
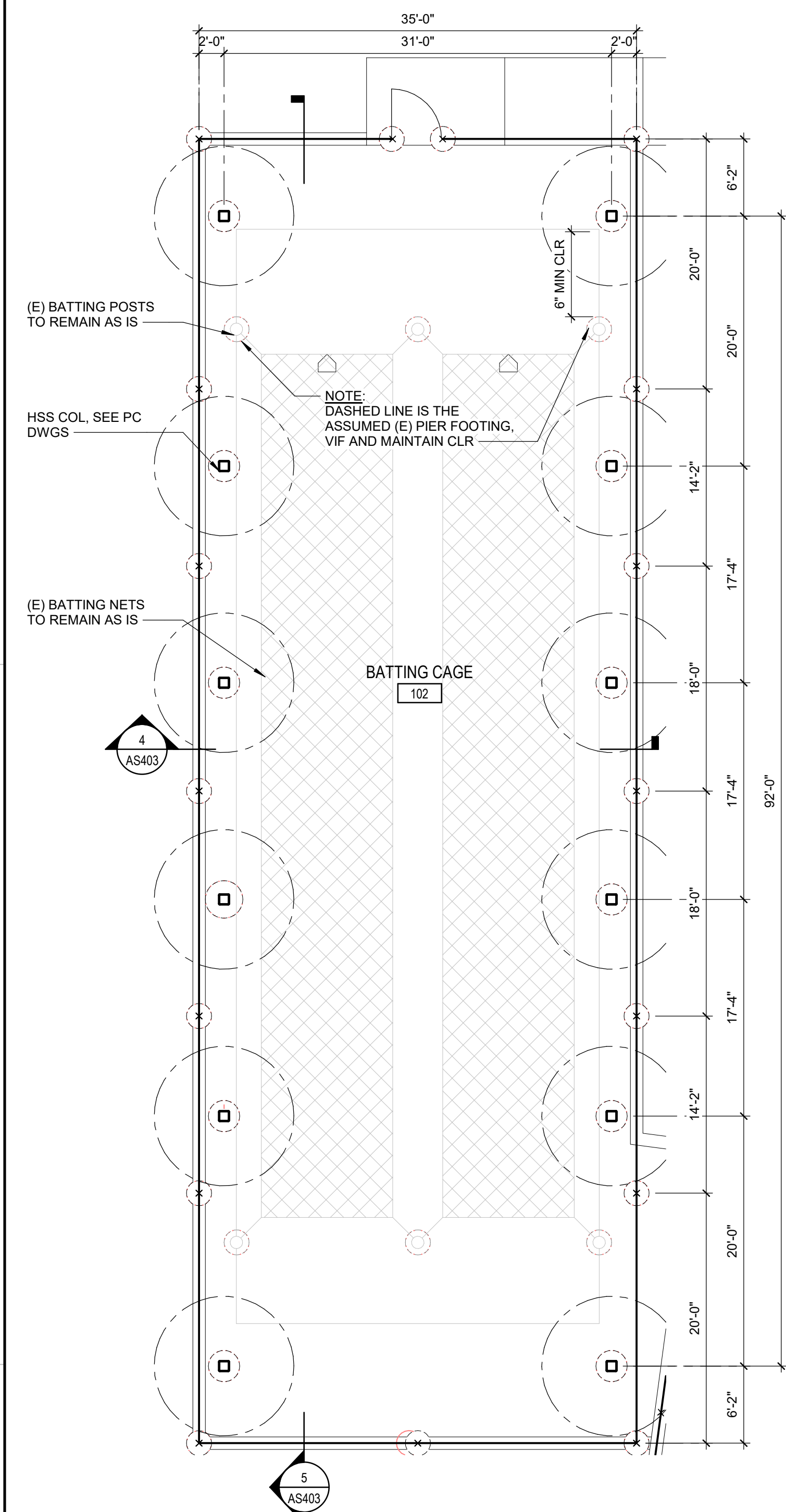
IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

C

B

BM 190.002041 SOUTH BUBANK HS F146602041_ARCHITECT_EOL_CENTRAL.rvt

1/10/2023 3:28:20 PM

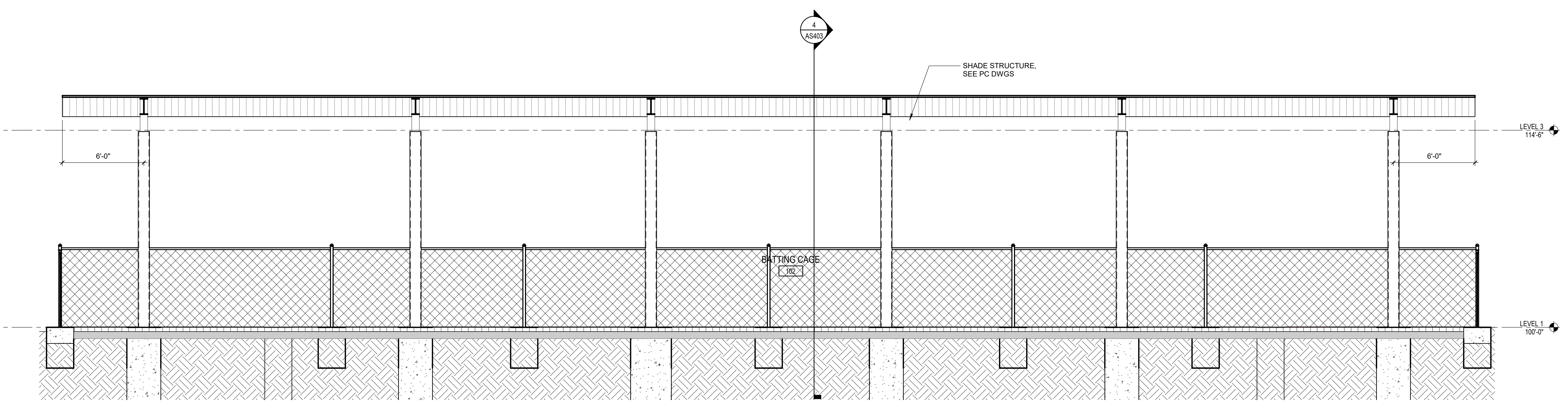


(E) ALUM BATTING CAGE POSTS TO REMAIN AS IS
 (E) BATTING NETS AND ASSEMBLY TO REMAIN AS IS
 (E) SYNTHETIC TURF TO BE REMOVED, SEE LANDSCAPE DWGS

1 FLOOR PLAN - BASEBALL BATTING CAGES - HOME SCALE 1/8" = 1'-0"

2 ROOF PLAN - BASEBALL BATTING CAGES - HOME SCALE 1/8" = 1'-0"

4 BASEBALL BATTING CAGES - HOME - SECTION 2 SCALE 1/4" = 1'-0"



5 BASEBALL BATTING CAGES - HOME - SECTION 1 SCALE 1/4" = 1'-0"

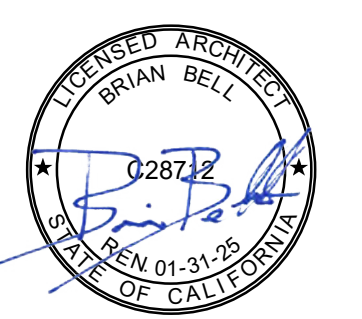
IDENTIFICATION STAMP
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 Sacramento CA 95818
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SEAL



PROJECT
 LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
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	12/01/2023	DSA APPROVAL

MANAGEMENT	
LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	
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TITLE
 ENLARGED PLAN -
 BATTING CAGE -
 BASEBALL

SHEET
 AS403

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-121593 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 12/18/2023

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 Sacramento CA 95818
 P 916.558.1900 F 916.558.1919
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SEAL



PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

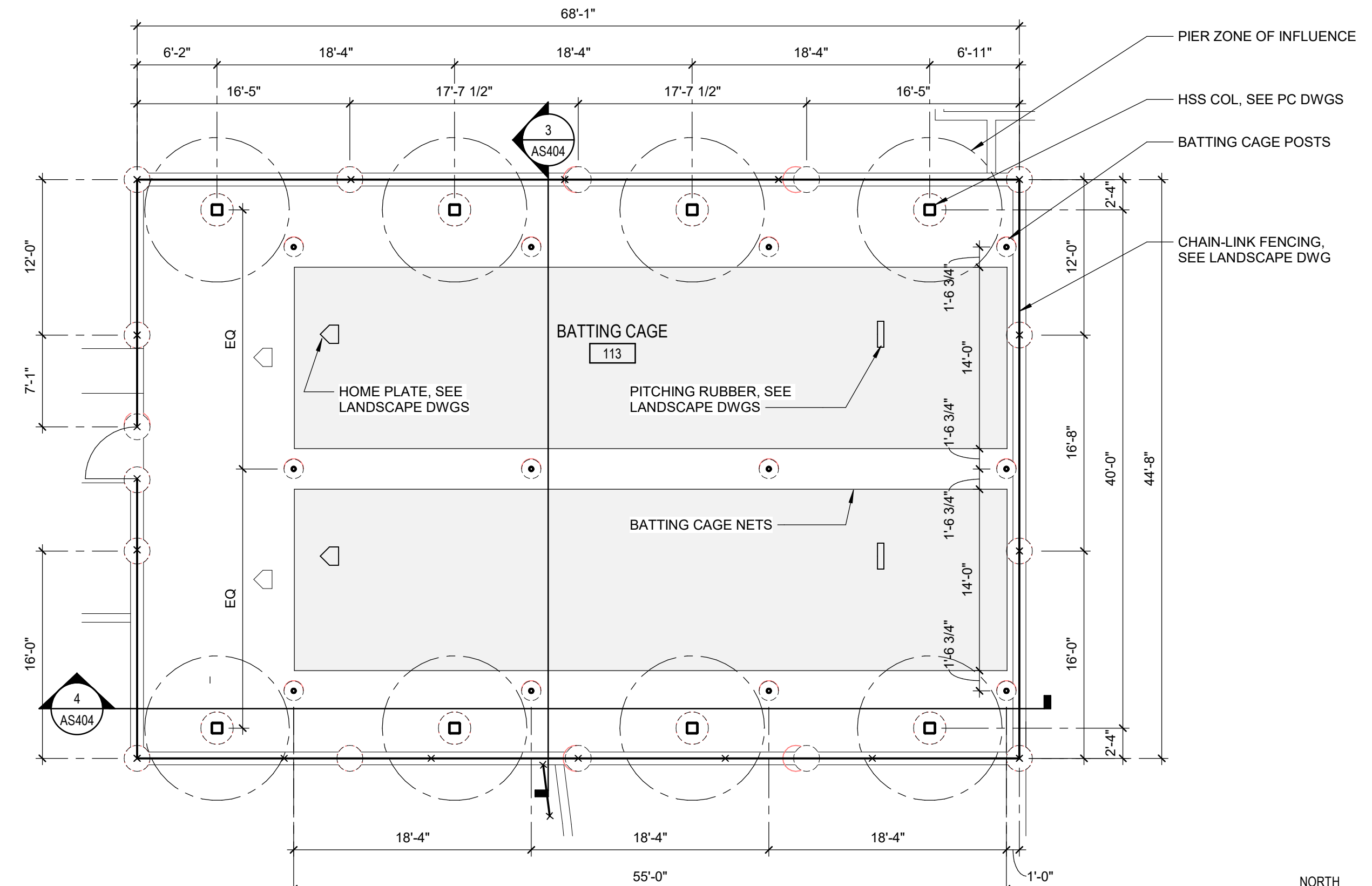
CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED		
MARK	DATE	DESCRIPTION
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	12/01/2023	DSA APPROVAL

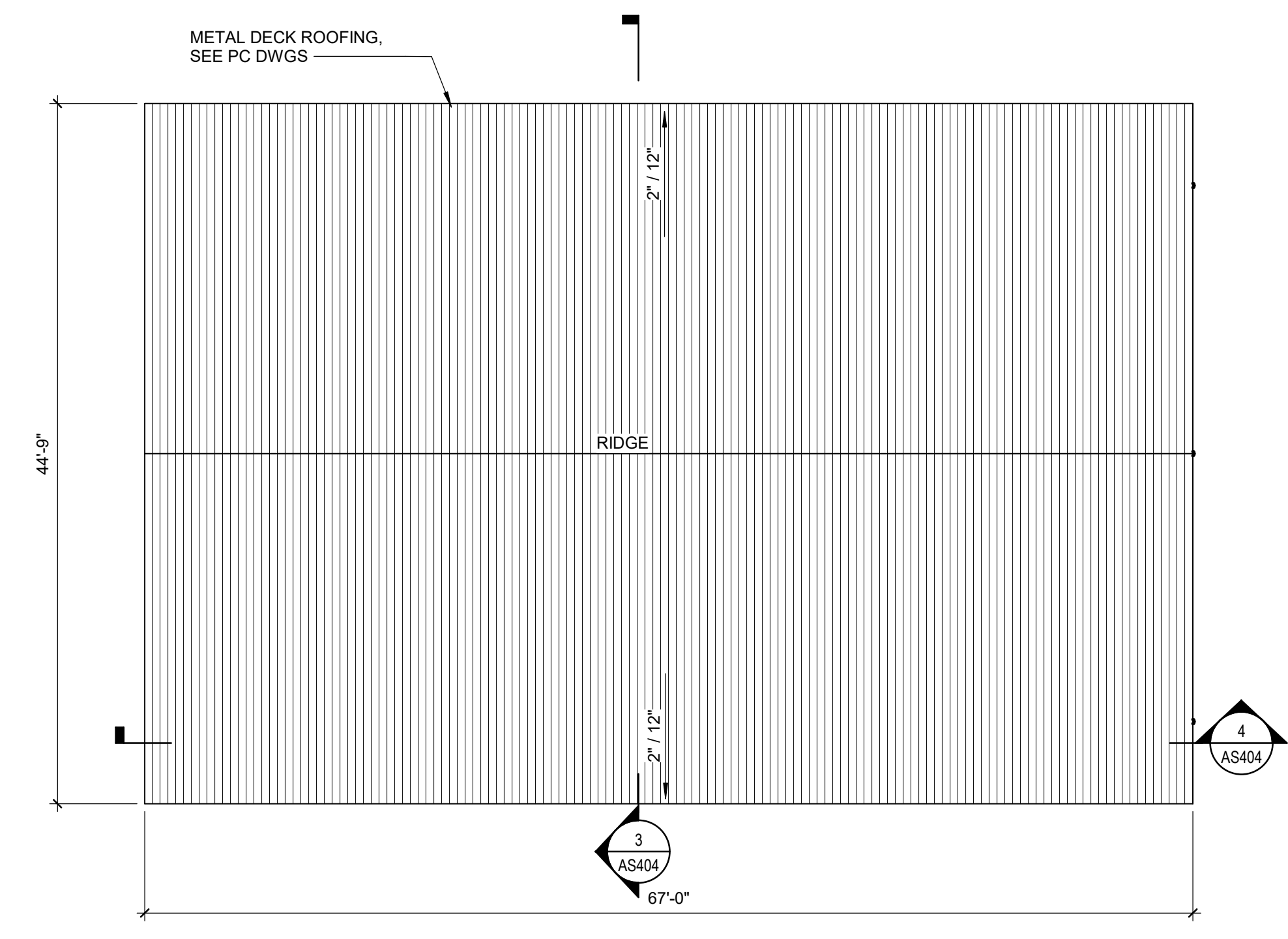
MANAGEMENT	
LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	
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TITLE
**ENLARGED PLAN -
 BATTING CAGE -
 SOFTBALL**

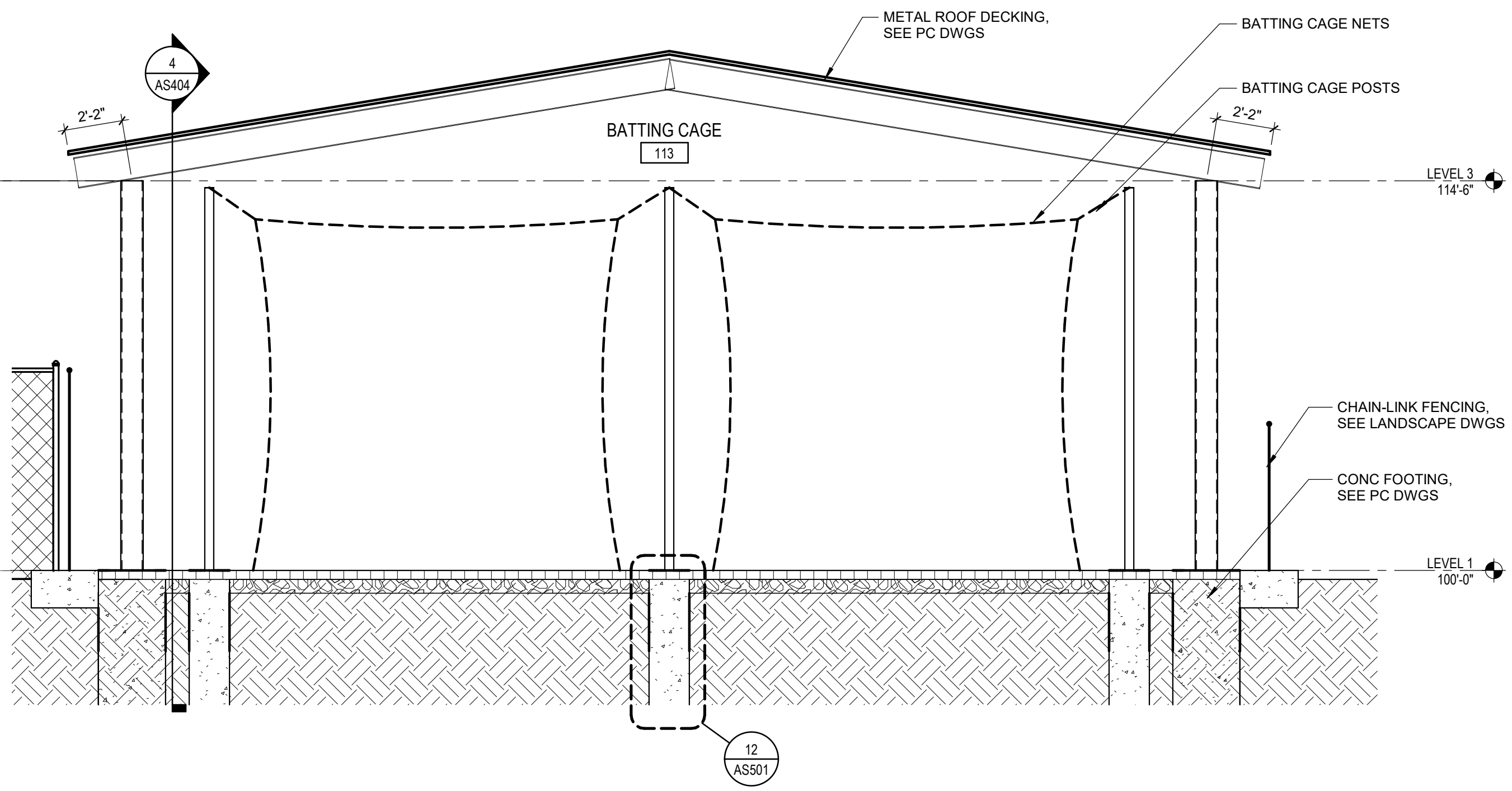
SHEET
AS404



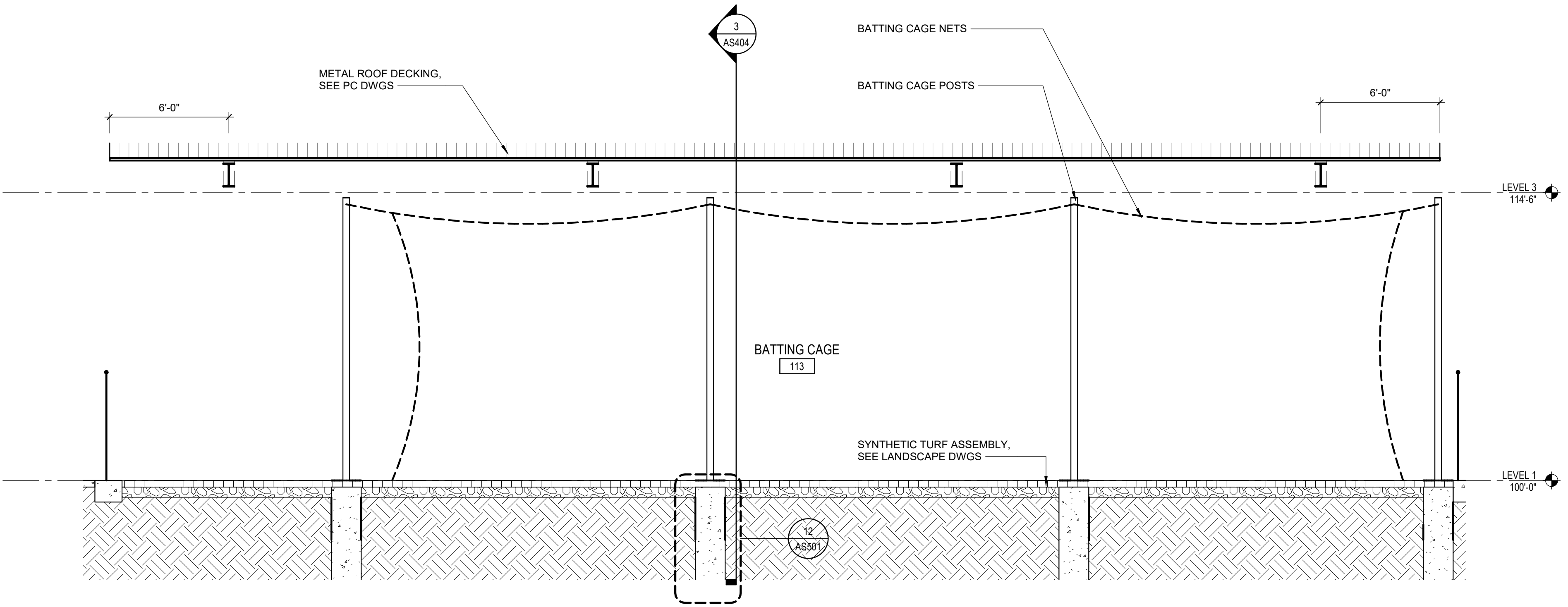
1 FLOOR PLAN - SOFTBALL BATTING CAGE
 SCALE 1/8" = 1'-0"



2 ROOF PLAN - SOFTBALL BATTING CAGE
 SCALE 1/8" = 1'-0"



3 SOFTBALL BATTING CAGE - SECTION 1
 SCALE 1/4" = 1'-0"



4 SOFTBALL BATTING CAGE - SECTION 2
 SCALE 1/4" = 1'-0"

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11/29/2023 3:28:21 PM BM130/023041_SOLID_Burbank_HS_Plan_023041_ARCHITECT_EOL_CENTRAL.rvt

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C

B

BM1301023041_SCHOOL BUILDING HS Plans/02041_ARCHITECT_EOL_CENTRAL.rvt

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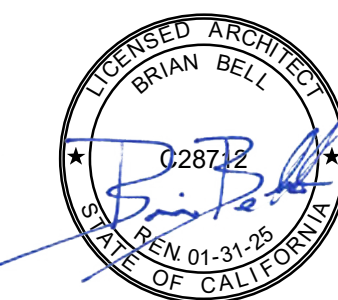
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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REVIEWED FOR:
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LIONAKIS

2025 Nineteenth Street
Sacramento CA 95818
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5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
	12/01/2023	DSA APPROVAL

MANAGEMENT

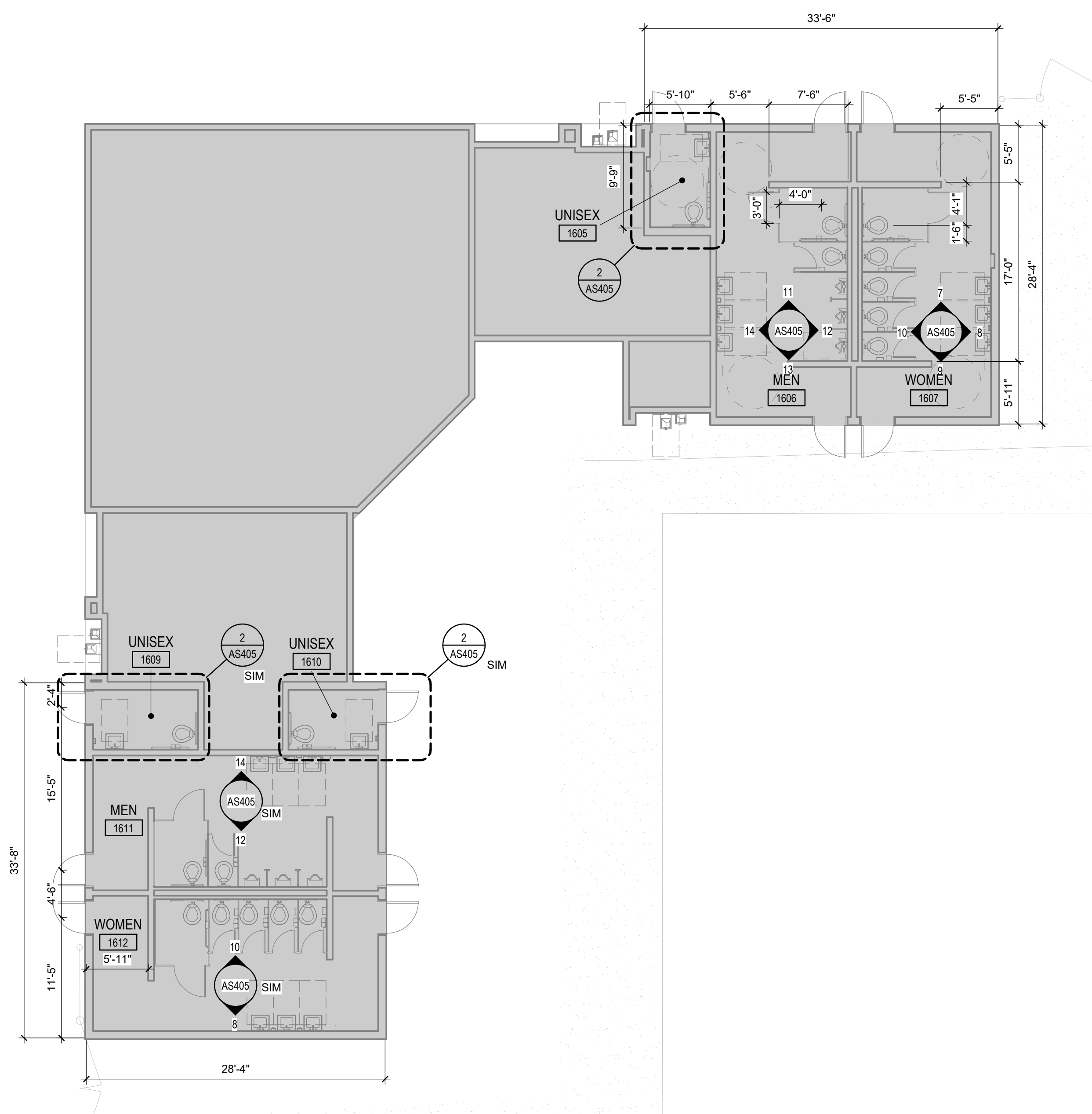
LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	
COPYRIGHT:	LIONAKIS 2022

TITLE

**ENLARGED PLAN -
EXISTING RESTROOMS**

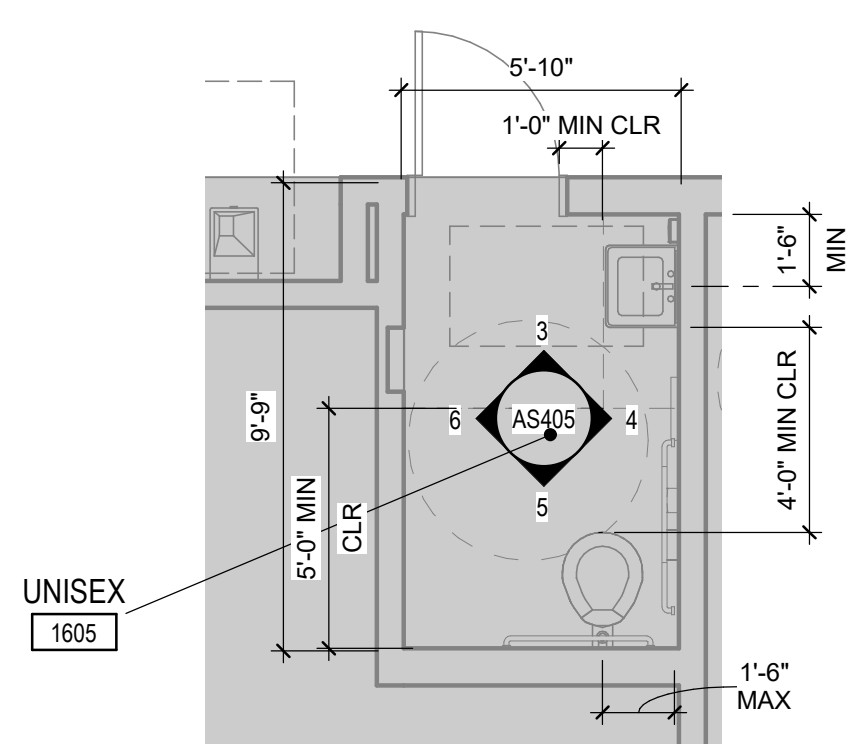
SHEET

AS405



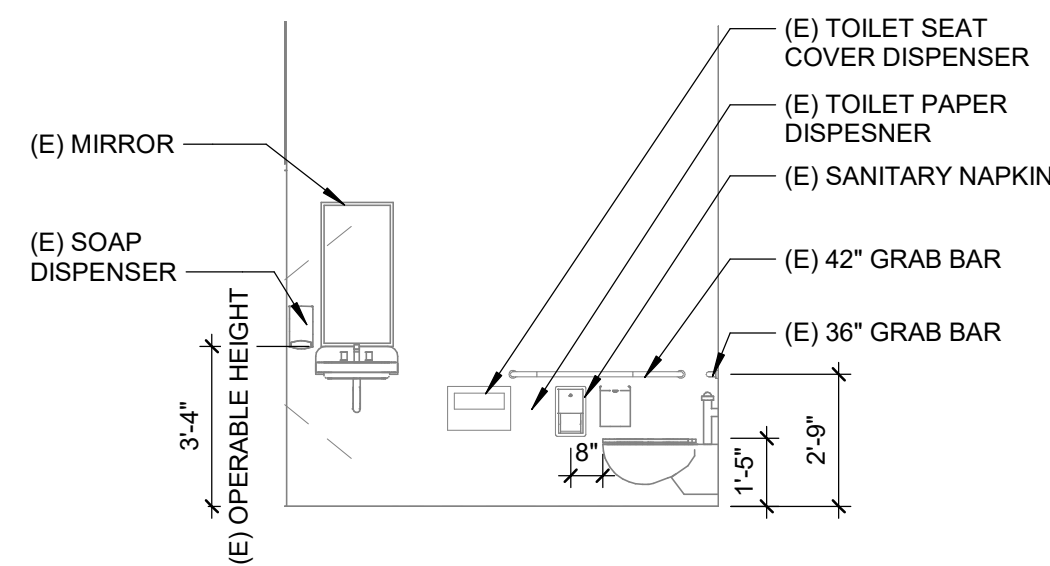
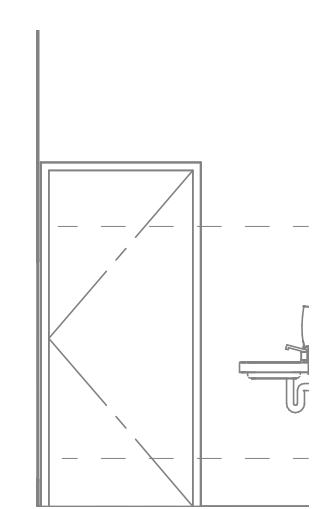
1 EXISTING RESTROOMS @ CONCESSION BLDG - LEVEL 1

SCALE 1/8" = 1'-0"



3 UNISEX - RR - NORTH

SCALE 1/4" = 1'-0"



4 UNISEX - RR - EAST

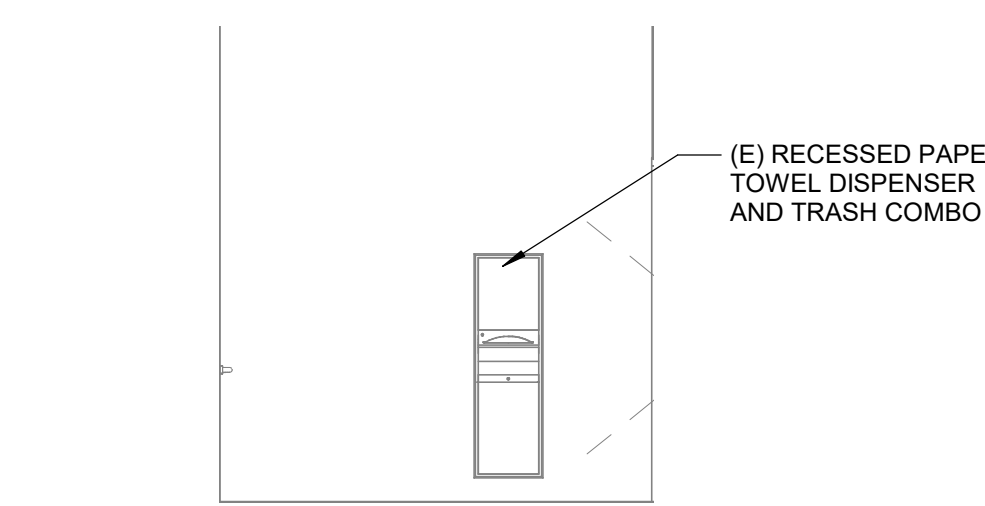
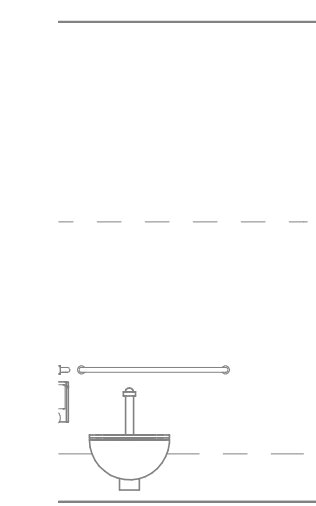
SCALE 1/4" = 1'-0"

2 EXISTING UNISEX

SCALE 1/4" = 1'-0"

5 UNISEX - RR - SOUTH

SCALE 1/4" = 1'-0"

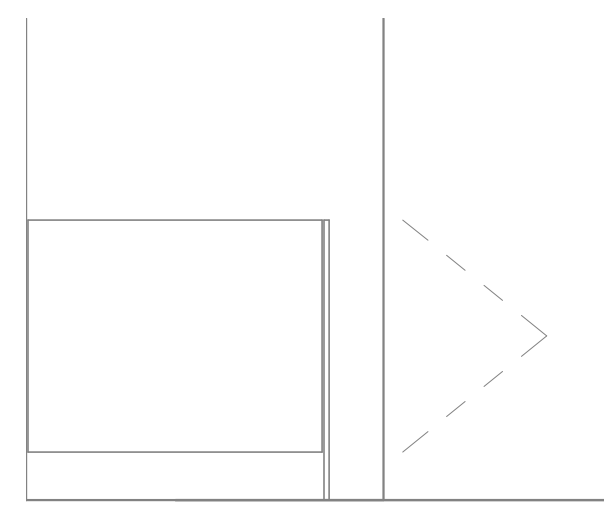


6 UNISEX - RR - WEST

SCALE 1/4" = 1'-0"

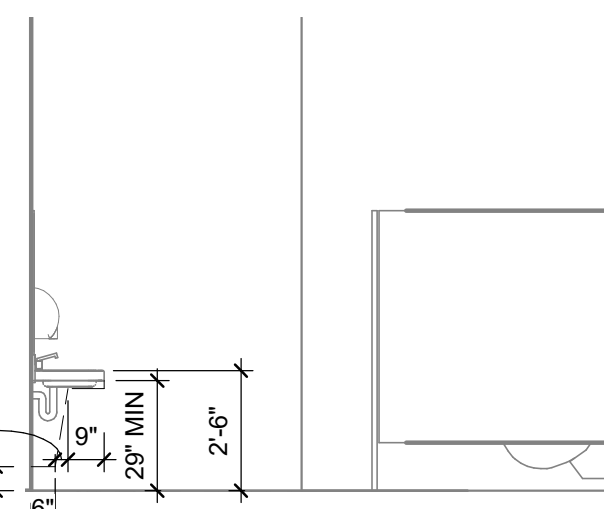
7 WOMEN - RR - NORTH

SCALE 1/4" = 1'-0"



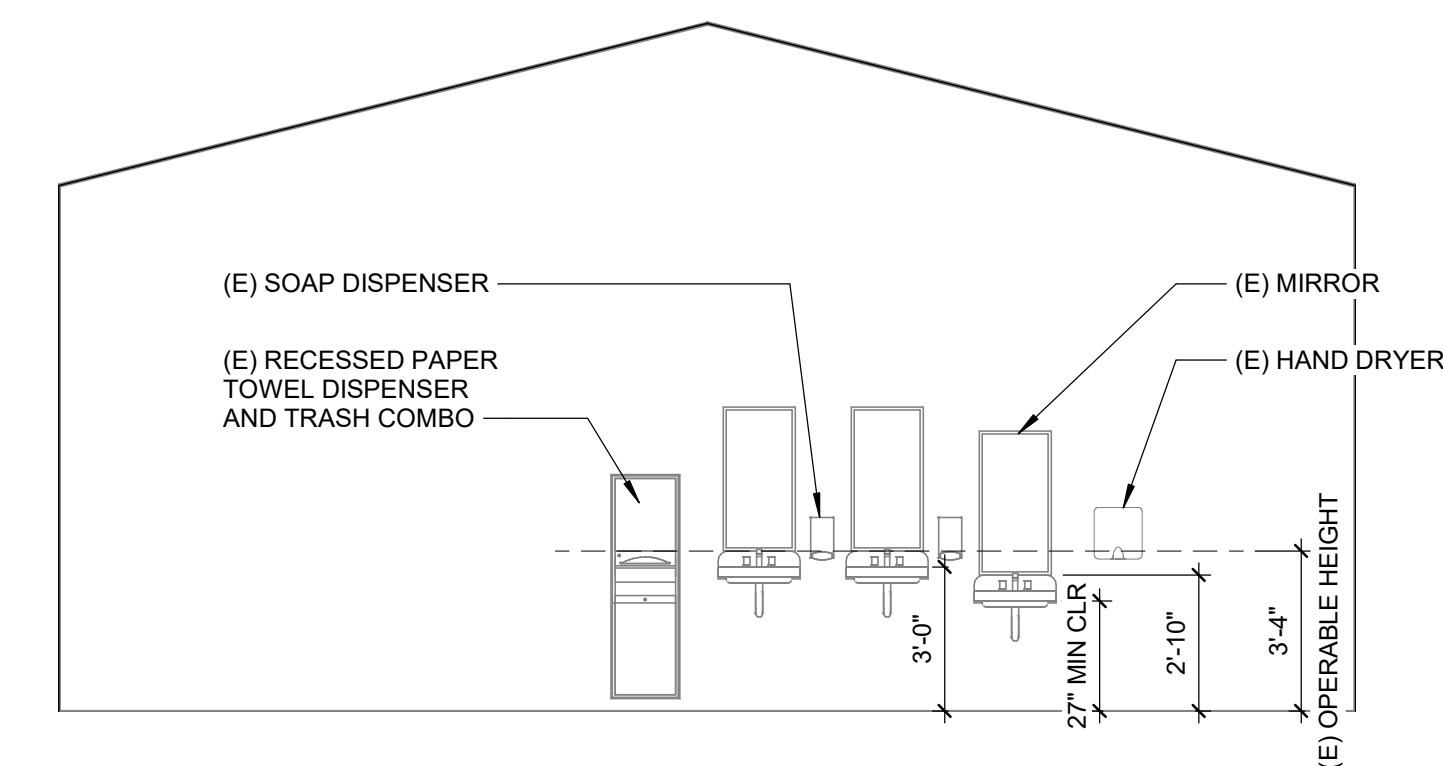
9 WOMEN - RR - SOUTH

SCALE 1/4" = 1'-0"



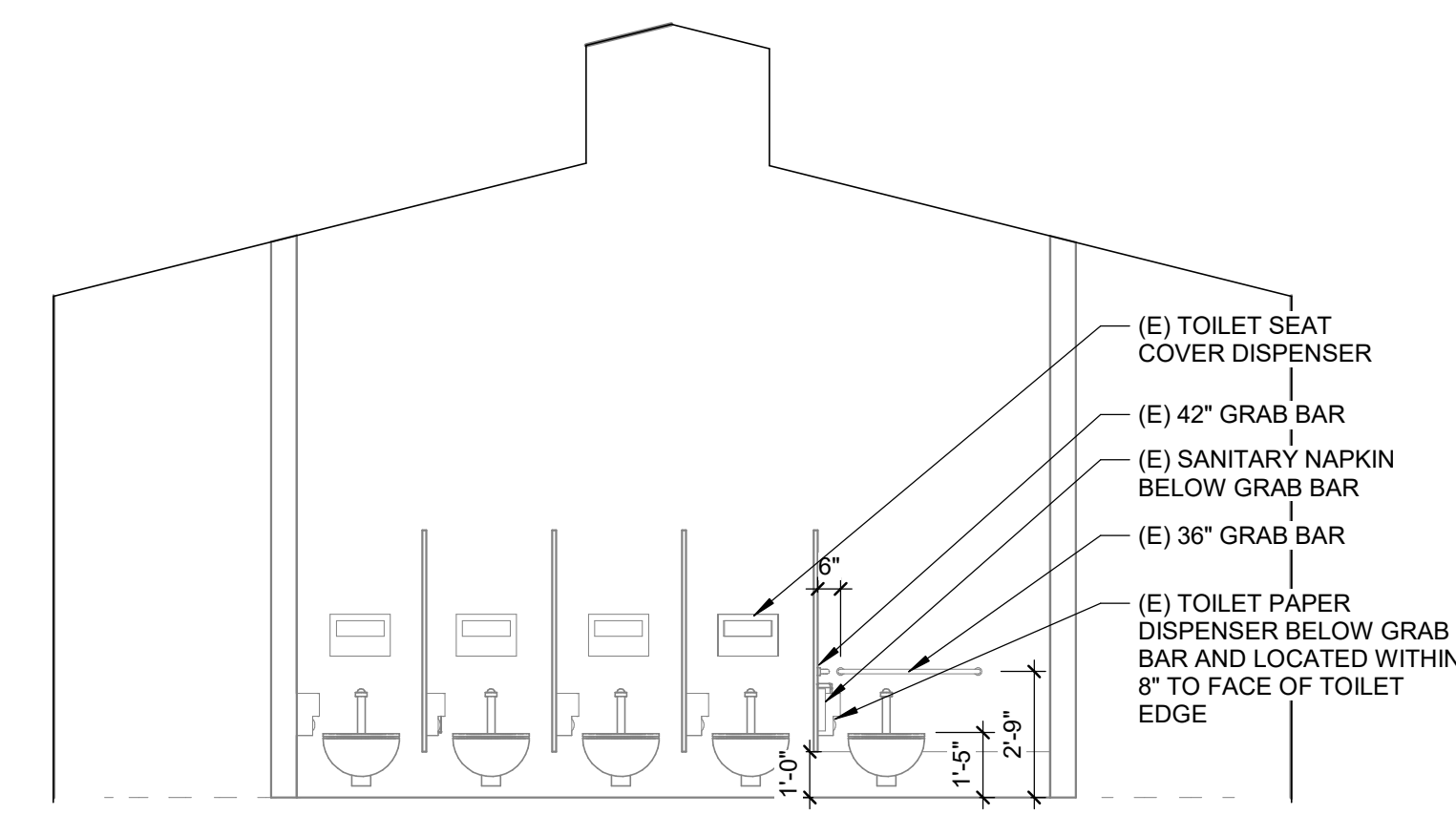
8 WOMEN - RR - EAST

SCALE 1/4" = 1'-0"



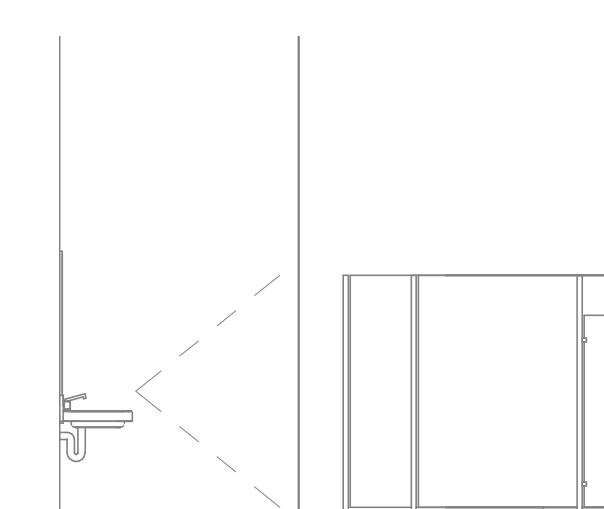
10 WOMEN - RR - WEST

SCALE 1/4" = 1'-0"



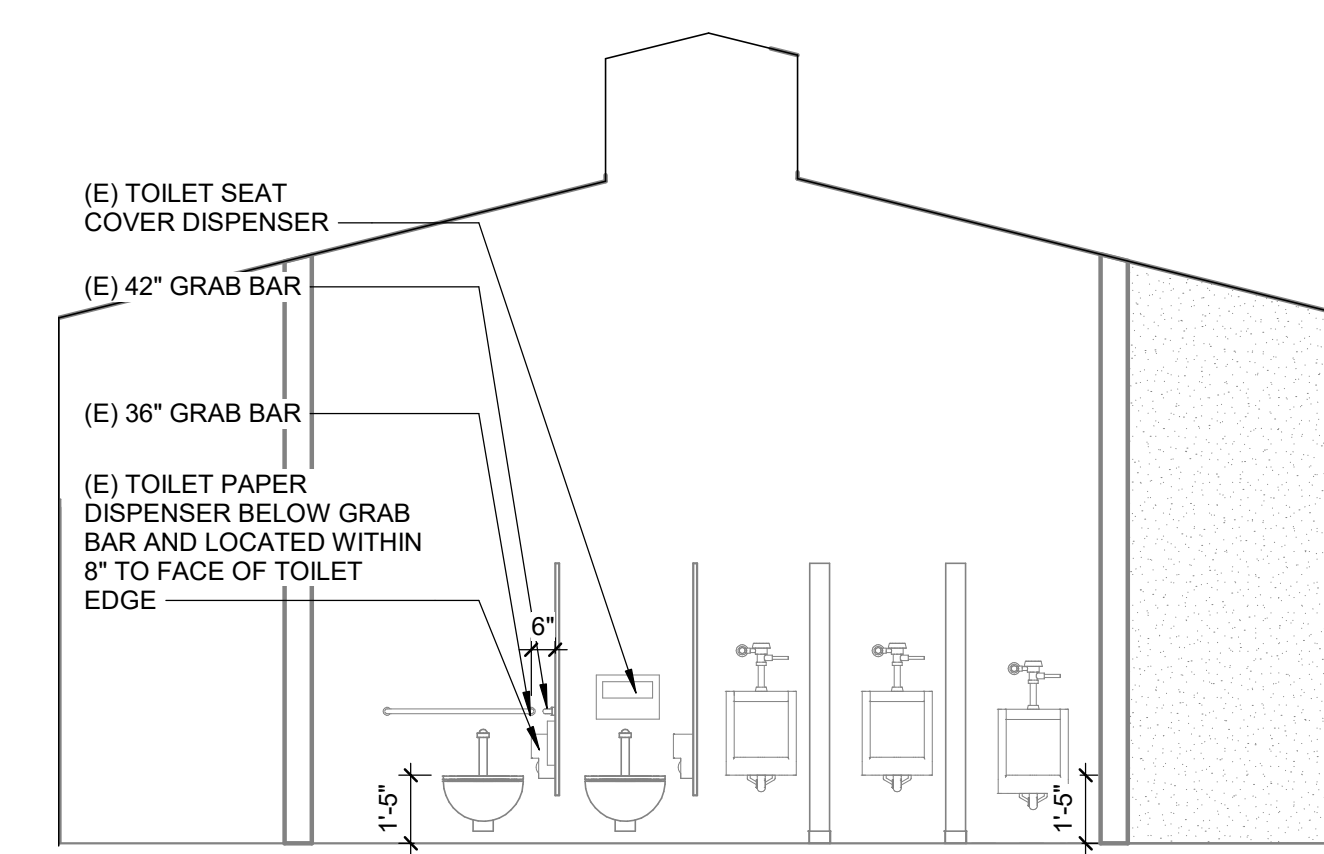
11 MEN - RR - NORTH

SCALE 1/4" = 1'-0"



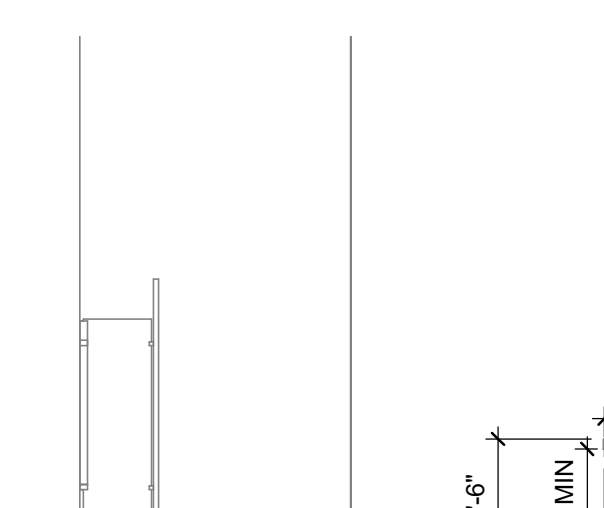
12 MEN - RR - EAST

SCALE 1/4" = 1'-0"



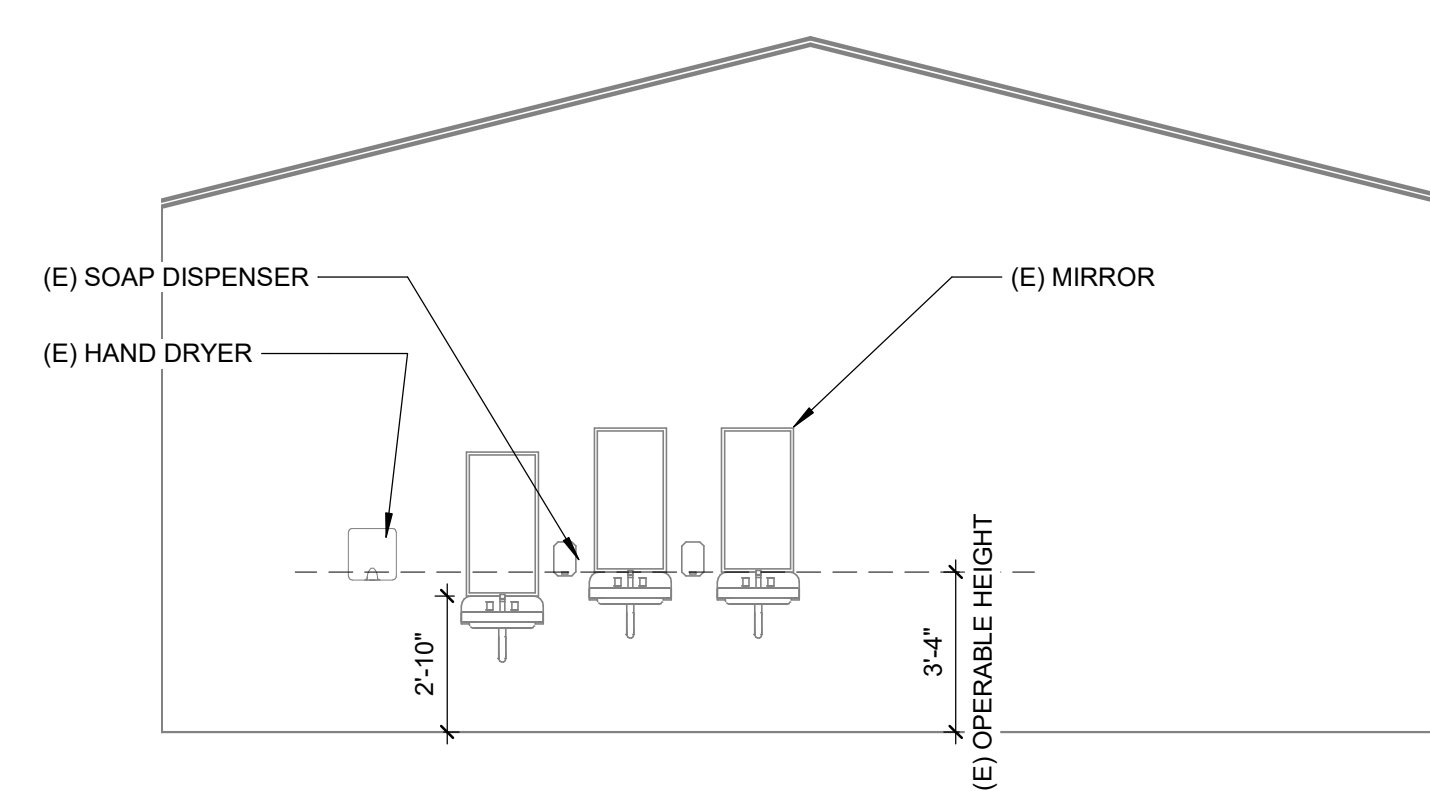
13 MEN - RR - SOUTH

SCALE 1/4" = 1'-0"



14 MEN - RR - WEST

SCALE 1/4" = 1'-0"

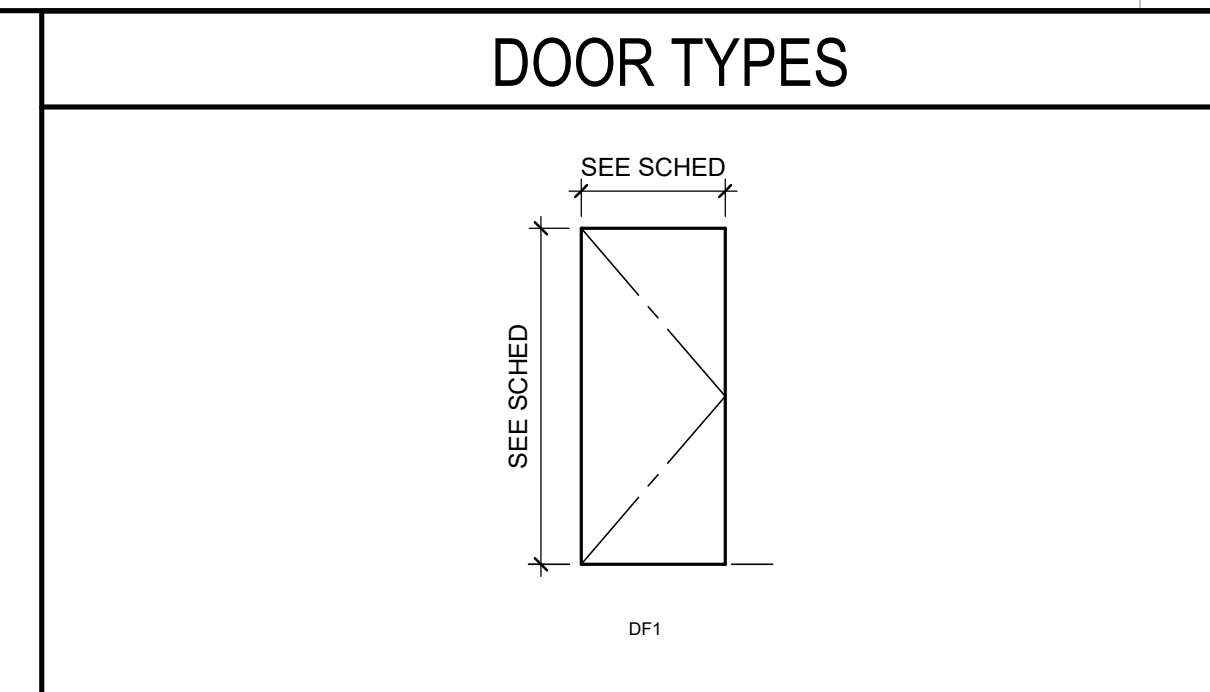


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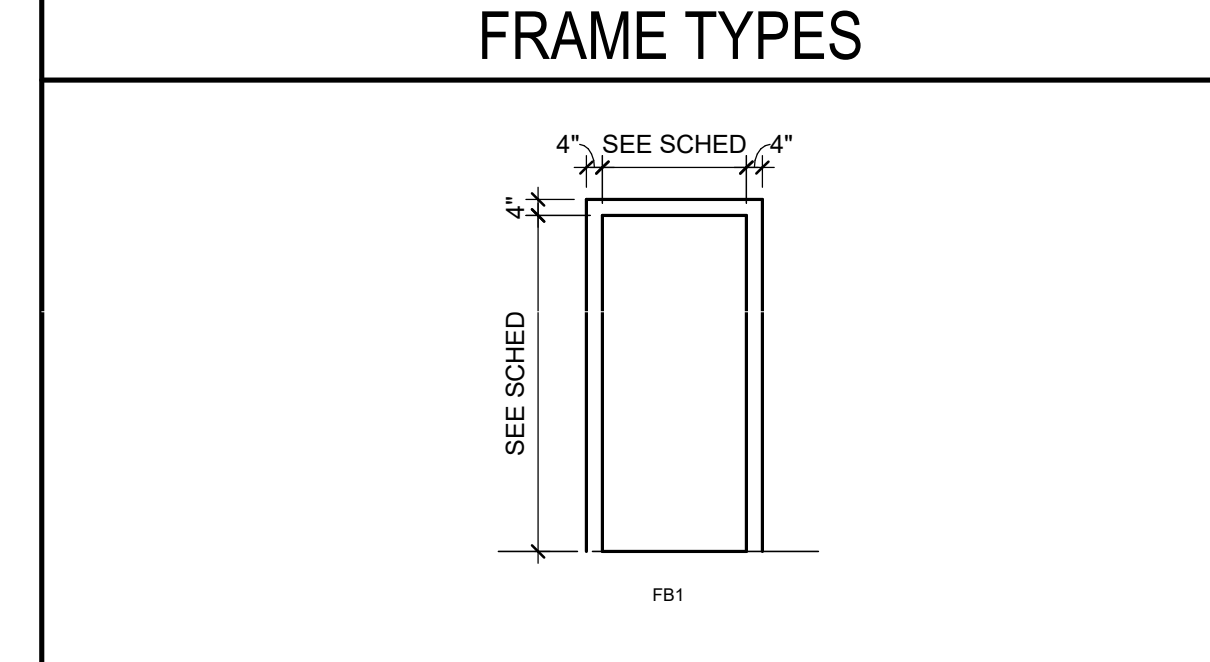
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DOOR SCHEDULE														
DOOR NO	LOCATION	HDW GP	DOORS				FRAMES				DETAIL NO.	COMMENTS		
			TYPE	WIDTH	LEAF 2 TYPE	LEAF 2 WIDTH	MATL	HEIGHT	FINISH	TYPE			MATL	FINISH
D101	STORAGE	SEE BELOW	DF1	3'-4"	DF1	3'-4"	HM	7'-2"	PT-2	FB1	HM	PT-2	2/ASS01	STORAGE

DOOR HARDWARE				
Quantity	EA	Device Description	Finish	MFR
1	EA	ADA Flush Pull (Active Door)	1111A (installed 42" AFF)	Tremco
1	EA	ADA Deadlock	L9460T (installed below 1111A pull, but no lower than 34" AFF for key)	Schlage
1	EA	Permanent Core to be Mastered Key to Campus	20-740	Schlage
2		Continuous Hinge	SL11-HD Device	Select Manufacturing

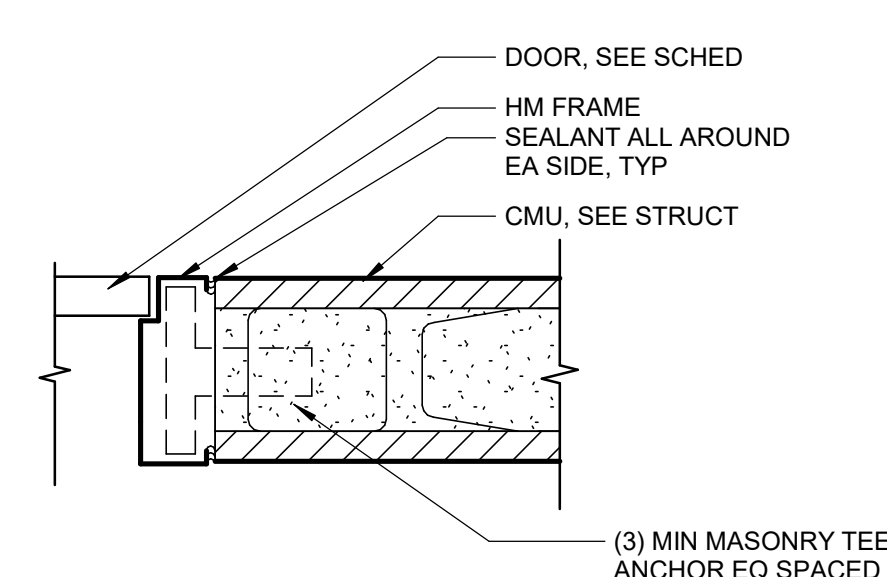


DOOR TYPE SYMBOL KEY	
DOOR TYPE	D = DOOR S = SLIDER
DOOR CONFIGURATION	F = DOUBLE RABBIT (TYP) G = GLASS V = VISION L = LOUVER D = DETICH J = DETENTION E = RUBBER D = DOORHEAD C = COUNTER A = ACCORDION P = STEF-CURTAIN
CONFIGURATION VERSION	1 = VERSION 1 2 = VERSION 2 ETC
VERSION VARIATION	A = VARIATION A B = VARIATION B ETC

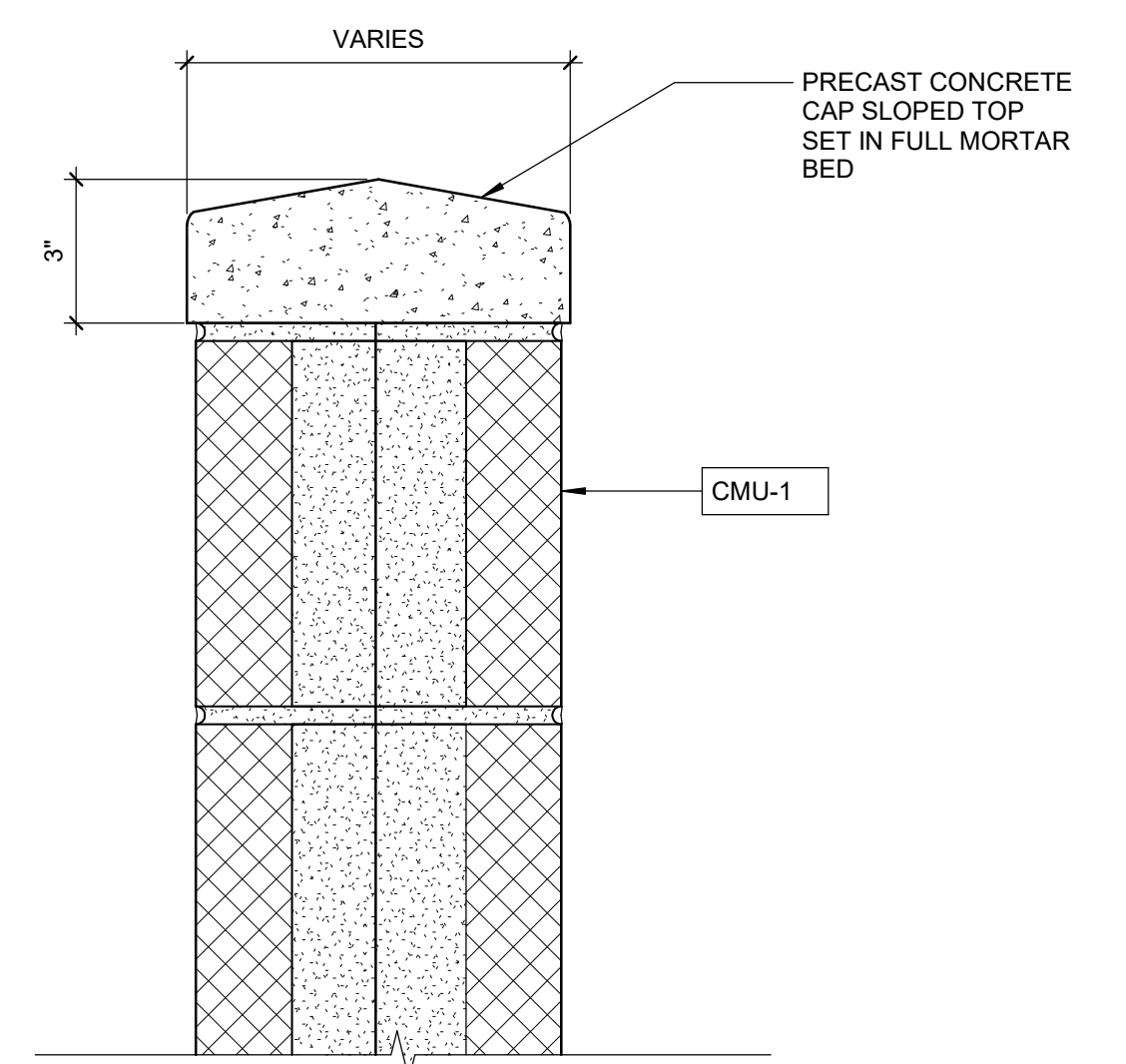


FRAME TYPE SYMBOL KEY	
FRAME PROFILE (AT DOOR ONLY)	F = DOUBLE RABBIT (TYP) E = DOUBLE EGRESS C = CASEJ P = POCKET
FRAME CONFIGURATION	B = BASIC THREE-SIDED T = TRANSOM G = GLASS LITE V = VISION LITE W = TRANSOM W/ GLASS LITE X = TRANSOM W/ VISION LITE D = 3S TRANSOM P = PARTIAL TWO-SIDED O = FOUR-SIDED
CONFIGURATION VERSION	1 = VERSION 1 2 = VERSION 2 ETC
VERSION VARIATION	A = VARIATION A M = VARIATION W/ MULLION R = VARIATION W/ REMOVABLE MULLION ETC

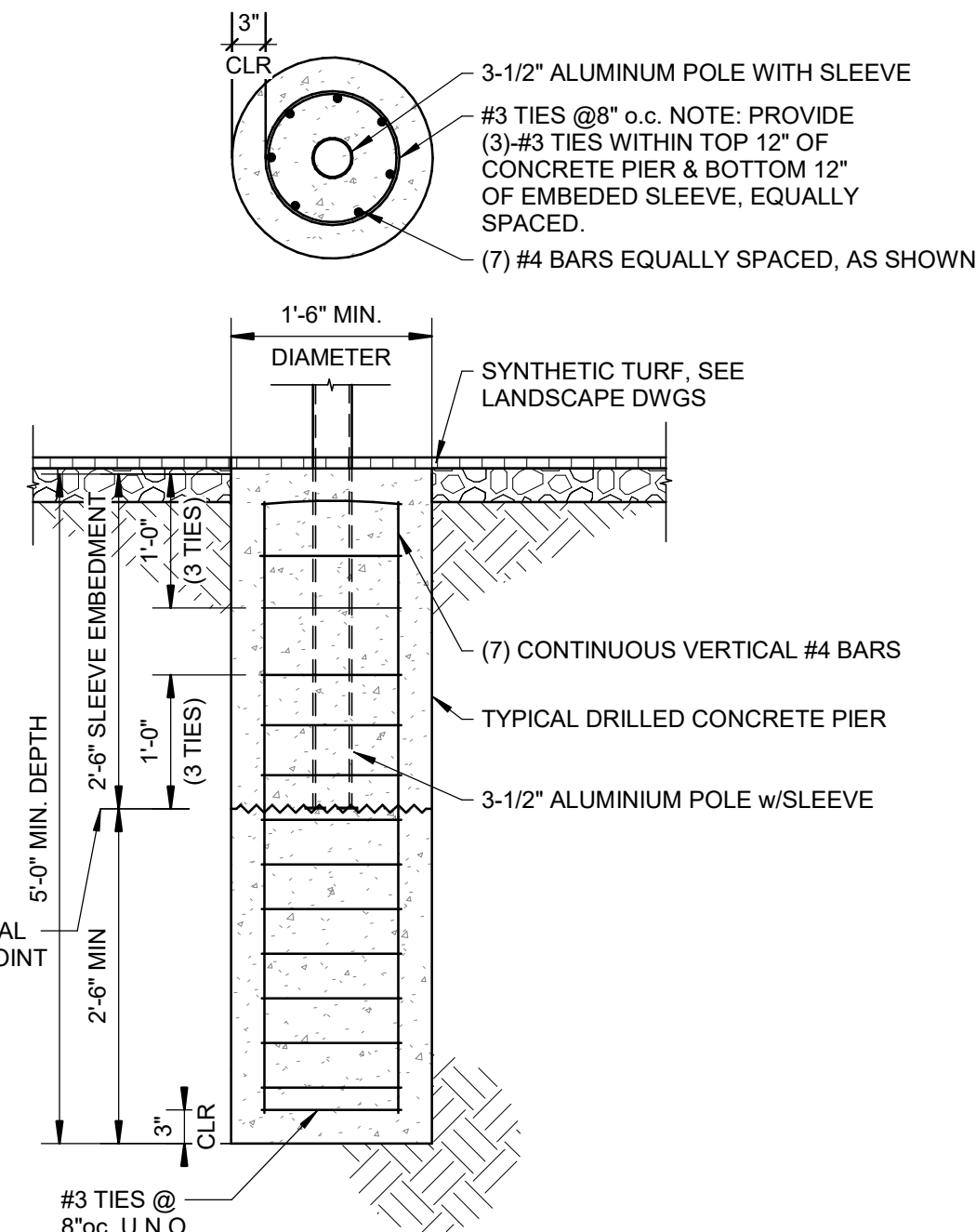
LEGEND	
(E) = EXISTING	MATERIAL
HDW GP = HARDWARE GROUP	ALUM = ALUMINUM
V = VINYL STRIPS	HM = HOLLOW METAL
	FINISH
	ANGL = ANODIZED
	PT = PAINT



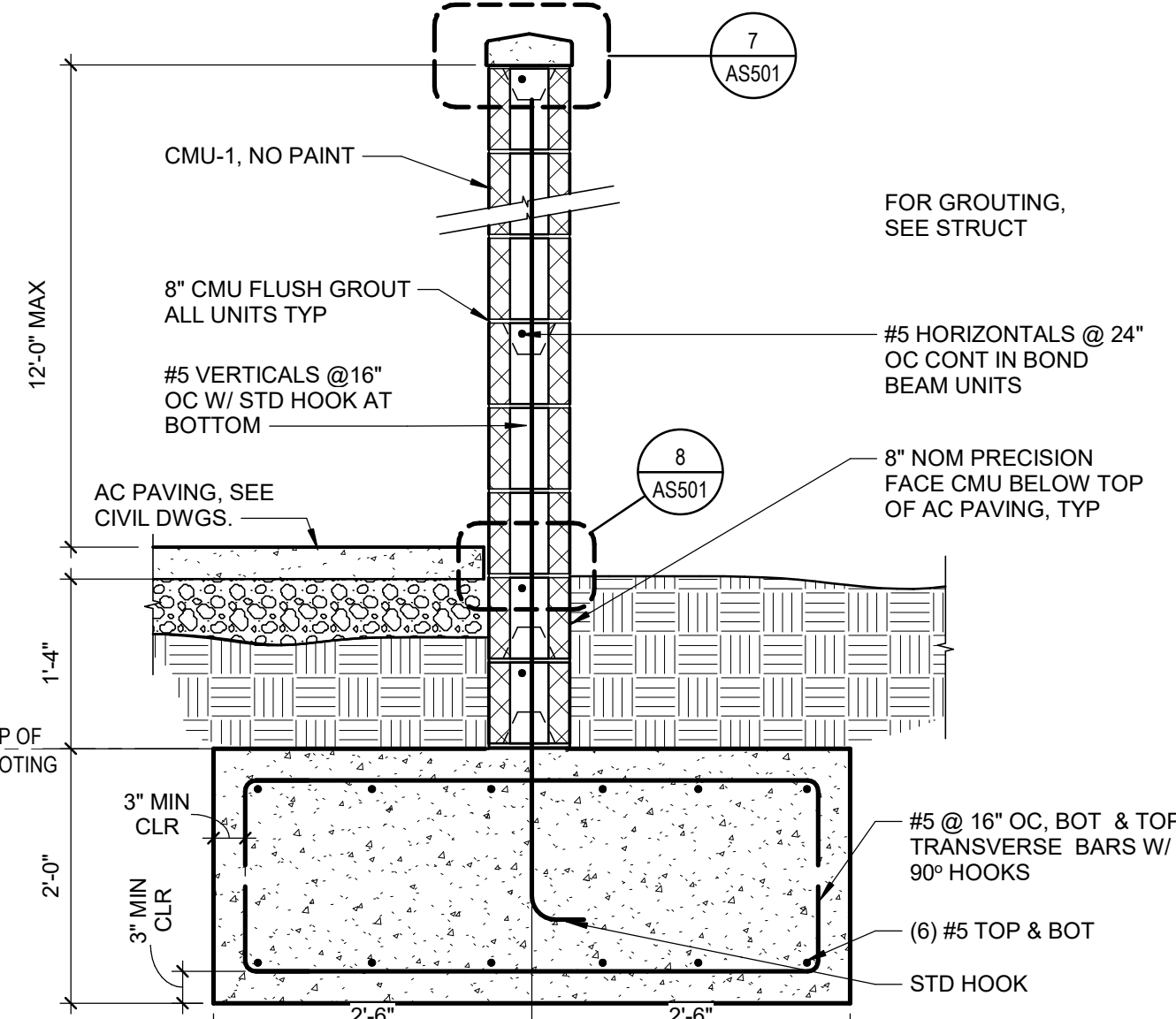
2 DOOR JAMB AT CMU (HEAD SIM)
1/2" = 1'-0"



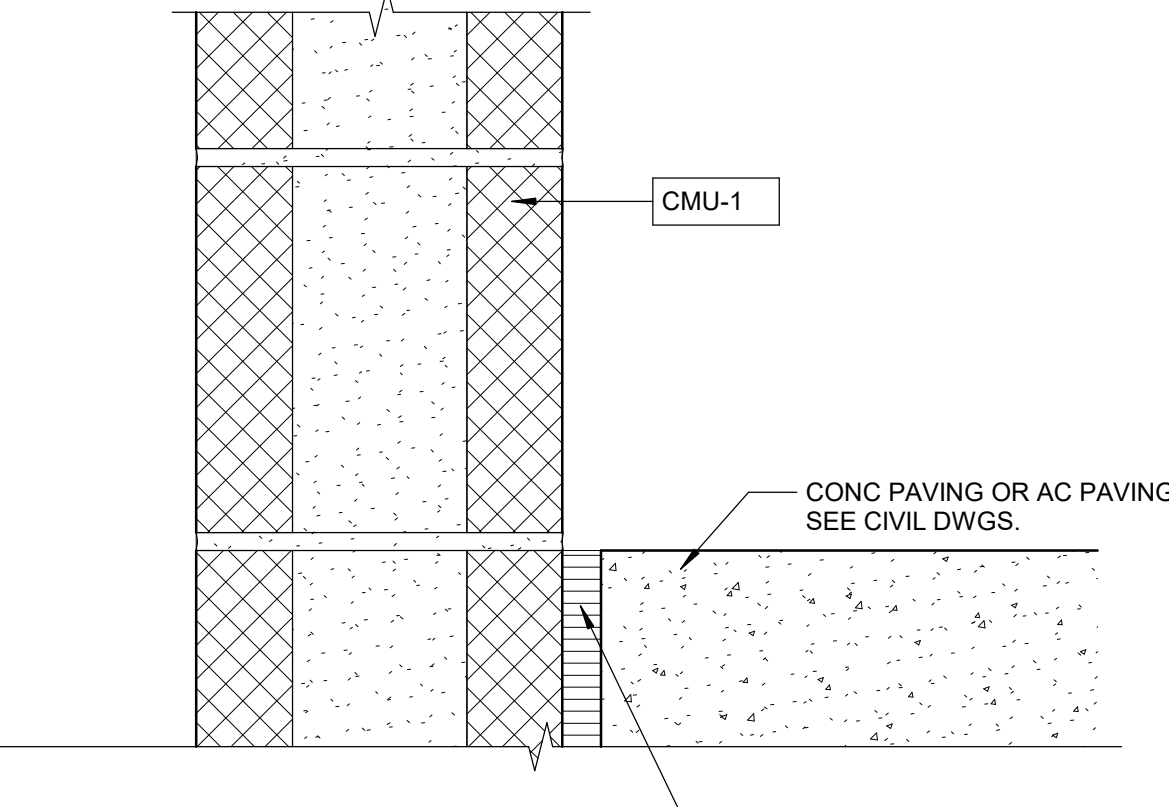
7 BALL WALL - CMU COPING
3/4" = 1'-0"



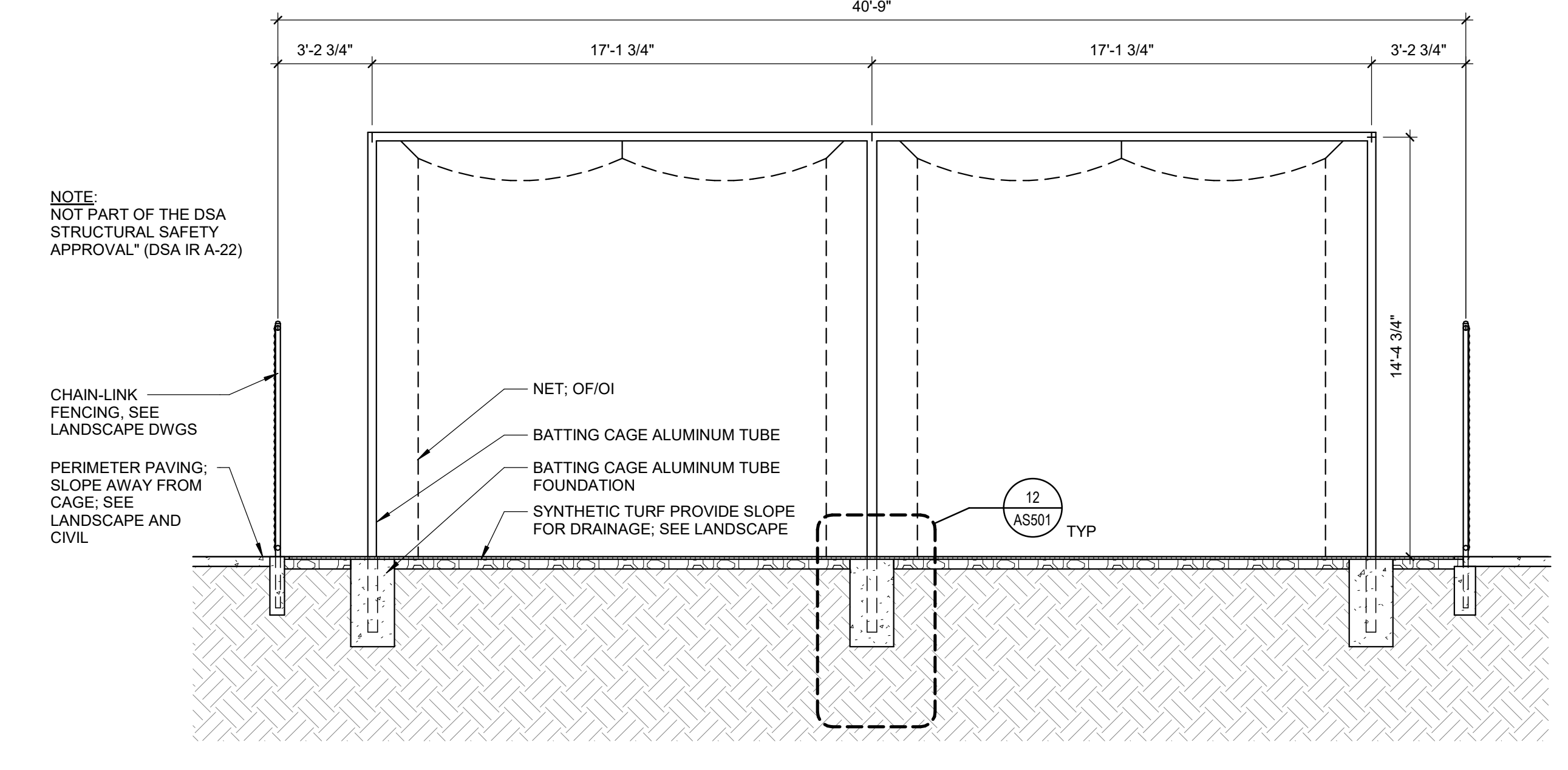
12 BATTING CAGE POLE FOUNDATION
3/4" = 1'-0"



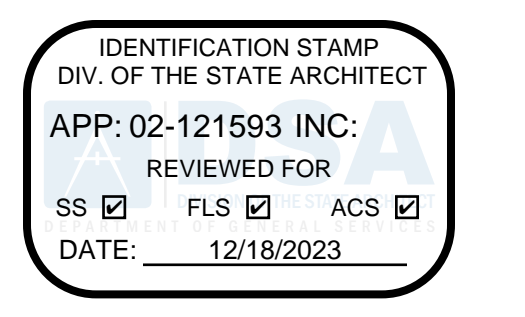
4 BALL WALL - CMU WALL SECTION
3/4" = 1'-0"



8 BALL WALL - CMU BASE
3/4" = 1'-0"



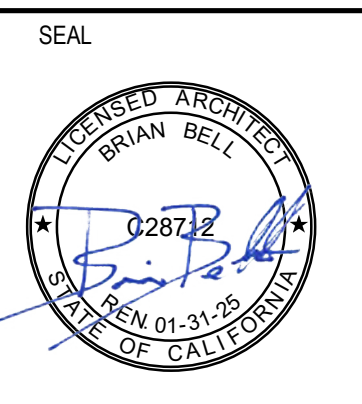
16 BATTING CAGE SECTION
1/4" = 1'-0"



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MANAGEMENT	
LIONAKIS PROJECT NO.	023041
DSA APPLICATION NO.	02-121593
CLIENT PROJECT NO.	
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TITLE
**SITE DETAILS AND
DOOR SCHEDULE**

SHEET
AS501

0.14" = 1" IF THIS SHEET IS NOT 30" X 42" IT IS A REDUCED PRINT - SCALE ACCORDINGLY

1/27/2023 2:28:30 PM C:\Users\stazsler\Documents\Luther Burbank_HIS_ELEC_SITE_F02_Justazsler\eggsheet.com

PROJECT GENERAL NOTES

- 1. ELECTRICAL SCOPE SHALL COMPLY WITH THE LATEST ADOPTED EDITIONS OF THE CALIFORNIA ELECTRIC CODE (CEC), CALIFORNIA BUILDING CODE (CBC), CALIFORNIA FIRE CODE (CFC), CALIFORNIA MECHANICAL CODE (CMC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 72) AND THE CALIFORNIA ENERGY CODE.
2. THE CONTRACTOR SHALL VISIT THE JOBSITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING...
3. DRAWINGS INDICATE GENERAL ARRANGEMENT OF ELECTRICAL SYSTEMS AND WORK. FOLLOW THE DRAWINGS IN LAYING OUT WORK AND VERIFY EXACT LOCATIONS WITH ARCHITECTURAL FLOOR PLAN AND SHOP DRAWINGS...

SYMBOLS LIST

POWER DISTRIBUTION

- PANELBOARD, 277/480V, SURFACE MOUNTED ON WALL.
PANELBOARD, 277/480V, FLUSH MOUNTED IN WALL.
PANELBOARD, 120/208V, SURFACE MOUNTED ON WALL.
ELECTRIC MOTOR, NIEC. MAKE POWER CONNECTIONS ONLY AS NOTED ON PLANS.
ELECTRICAL PULLBOX OR HANDHOLE, SIZE AND TYPE AS NOTED ON PLANS.
SAFETY DISCONNECT SWITCH, 3 POLE, UON, ADJACENT NUMBER INDICATES FUSE SIZE WHEN APPLICABLE...

LINESTYLES

- EXISTING TO REMAIN
EXISTING TO BE REMOVED (R) OR RELOCATED (RR)
NEW CONSTRUCTION
FUTURE CONSTRUCTION

CONVENTIONS

- NUMBERED NOTE, APPLIES TO ALL DRAWINGS.
NUMBERED SHEET NOTE, APPLIES TO DRAWING CONTAINING NOTES ONLY.
OVERCURRENT PROTECTIVE DEVICE NUMBER IDENTIFICATION TAG, REFERS TO LOCATION OF PROTECTIVE OR CONTROL DEVICE WITHIN SWITCHBOARDS, DISTRIBUTION BOARDS, MOTOR CONTROL CENTERS, ETC.
EQUIPMENT IDENTIFICATION TAG; ITEM FURNISHED AND INSTALLED UNDER ANOTHER DIVISION AND WIRED UNDER THIS DIVISION.
FEEDER TAG, REFER TO FEEDER SCHEDULE.

RACEWAYS

- CONDUIT RUN EXPOSED ON WALL OR CEILING.
CONDUIT RUN CONCEALED IN SLAB, UNDER SLAB OR UNDERGROUND.
CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING.
CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET. HOMERUN CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
CONDUIT TURNED UP, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
CONDUIT TURNED DOWN, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
CONDUIT CAPPED OR STUBBED WITH INSULATED BUSHINGS, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
CONDUIT SLEEVE, WITH INSULATING BUSHINGS.
FLEXIBLE METALLIC CONDUIT, EQUIPMENT CONNECTION.
CROSSMARKS ON BRANCH CIRCUIT CONDUIT RUNS INDICATE THE QUANTITY OF CONDUCTORS AS FOLLOWS...

WIRING DEVICES

- JUNCTION BOX, WALL MOUNTED, +18" UON.
JUNCTION BOX, MOUNTED IN FLUSH FLOOR BOX.
JUNCTION BOX, MOUNTED FLUSH IN CEILING.
JUNCTION BOX, SURFACE OR PENDANT MOUNTED TO BOTTOM OF STRUCTURE IN ACCESSIBLE CEILING SPACE OR EXPOSED IN OPEN CEILING AREAS.
JUNCTION BOX, MOUNTED ON CONDUIT STANCHION FLOOR PENETRATION, +12" UON.
SINGLE-PLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON.
DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON.
SPECIALTY OUTLET DEVICE, NEMA CONFIGURATION TYPE AS NOTED ON PLANS, WALL MOUNTED, +18" UON.

LIGHTING

- LUMINAIRE, RECESSED IN CEILING.
LUMINAIRE, SURFACE MOUNTED.
SUSPENDED LINEAR LUMINAIRE, SUSPENSION POINTS ARE GRAPHIC ONLY AND DO NOT REPRESENT ACTUAL LOCATION OR QUANTITY.
LUMINAIRE, WALL MOUNTED.
STRIP LUMINAIRE, SURFACE OR PENDANT MOUNTED.
SHADING OF ANY LUMINAIRE INDICATES CRITICAL/STANDBY LIGHTING.
HALF SHADING OF ANY LUMINAIRE INDICATES EMERGENCY/EGRESS LIGHTING.
SINGLE-HEAD AREA LUMINAIRE WITH BRACKET ARM AND POLE, MOUNTED TO CONCRETE BASE.
TWO-HEAD AREA LUMINAIRE WITH BRACKET ARMS AND POLE, MOUNTED TO CONCRETE BASE.
SINGLE-HEAD AREA POST-TOP LUMINAIRE WITH POLE, MOUNTED TO CONCRETE BASE.
AREA LUMINAIRE, SURFACE OR RECESSED MOUNTED TO WALL.
LUMINAIRE BOLLARD, MOUNTED TO CONCRETE BASE.

LINE VOLTAGE LIGHTING CONTROL

- S SINGLE-POLE, SINGLE-THROW SWITCH, WALL MOUNTED, +42" UON.
S^3 THREE-WAY SWITCH, WALL MOUNTED, +42" UON.
S^4 FOUR-WAY SWITCH, WALL MOUNTED, +42" UON.
S^K SINGLE-POLE, SINGLE-THROW SWITCH, KEY-OPERATED, WALL MOUNTED, +42" UON.
S^P SINGLE-POLE, SINGLE-THROW SWITCH, WITH PILOT LIGHT, WALL MOUNTED, +42" UON.
S^D WALLBOX DIMMER SWITCH, +42" UON. SIZED PER CONNECTED LOAD ON PLANS AND FURNISHED FOR LAMP SOURCE SERVED. PROVIDED FOR DERATING WHEN INSTALLED GANGED LOCATIONS.
S^TC SINGLE-POLE, TIMER CONTROLLED SWITCH, WALL MOUNTED, +42" UON.
S^EP SINGLE-POLE, SINGLE-THROW SWITCH, EXPLOSION PROOF, WALL MOUNTED, +42" UON.
S^V LINE VOLTAGE SINGLE RELAY VACUANCY SENSOR, WALL MOUNTED, +42" UON.
S^WP SINGLE-POLE, SINGLE-THROW SWITCH WITH WEATHERPROOF COVER, WALL MOUNTED, +42" UON.
S^H SINGLE-POLE SWITCH WITH AUTOMATIC HUMIDITY CONTROL, WALL MOUNTED, +42" UON.
S^M DUAL LEVEL OCCUPANCY SENSOR SWITCH, WALL MOUNTED, +42" UON.
S^M1 SINGLE LEVEL OCCUPANCY SENSOR SWITCH, WALL MOUNTED, +42" UON.
S^DM COMBINATION OCCUPANCY SENSOR AND DIMMER SWITCH, WALL MOUNTED, +42" UON.
S^OS OCCUPANCY SENSOR FOR AREA COVERAGE, CEILING MOUNTED.
S^PC PHOTOELECTRIC CELL SENSOR, CEILING MOUNTED.
S^ED EGRESS LIGHTING TRANSFER DEVICE.
S^B24 BYPASS DEVICE FOR CONTROLLED EMERGENCY LIGHTING.

TELECOMMUNICATIONS

- TELECOMMUNICATION DEVICE, WALL MOUNTED, +18" UON.
TELECOMMUNICATION DEVICE, WALL MOUNTED, 6" ABOVE BACK SPLASH UON, BUT NO HIGHER THAN ADA REQUIREMENTS.
TELEPHONE DEVICE, WALL MOUNTED, +42" UON.
TELECOMMUNICATION DEVICE, MOUNTED IN FLUSH FLOOR BOX.
TELECOMMUNICATION DEVICE, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING.
TELECOMMUNICATION DEVICE, CEILING MOUNTED.
COMBINATION POWER/TELECOMMUNICATION DEVICES, MOUNTED IN FLUSH FLOOR BOX. TYPE AS NOTED ON PLANS OR IN SPECIFICATIONS.
COMBINATION POWER/TELECOMMUNICATION DEVICES, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTINGS. TYPE AS NOTED ON PLANS OR IN SPECIFICATIONS.
ELECTRIFIED FURNITURE PARTITION TELECOMMUNICATION CABLE FEED, WALL MOUNTED, +18" UON, CONSISTS OF A 1 1/2" SQ. X 2 1/8" DEEP JUNCTION BOX, SINGLE GANG RING, AND STAINLESS STEEL COVERPLATE WITH 1 1/2" KO AND GROMMET.
ELECTRIFIED FURNITURE PARTITION TELECOMMUNICATION CABLE FEEDS, MOUNTED IN FLUSH FLOOR BOX WITH KOS IN COVERS TO ACCEPT FURNITURE WHIPS. TELECOMMUNICATIONS WHIP SHALL BE 1 1/2" MINIMUM.
ELECTRIFIED FURNITURE PARTITION TELECOMMUNICATION CABLE FEEDS, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING WITH 1 1/2" KOS IN COVER TO ACCEPT FURNITURE WHIPS.
WAP^V WIRELESS ACCESS POINT, WALL MOUNTED, 6" BELOW FINISHED CEILING, UON.
WAP^W WIRELESS ACCESS POINT, CEILING MOUNTED.
#D#^V QUANTITY OF DATA AND/OR VOICE TELECOMMUNICATIONS DEVICES.
E#^V TELECOMMUNICATION DEVICE, WALL MOUNTED, +18" UON, FOR ELEVATOR USE IN ELEVATOR MACHINE/CONTROLLER ROOM.
E#^V TELECOMMUNICATION DEVICE, FOR EMERGENCY PHONES, MOUNTED AS NOTED ON PLANS.

SECURITY

- 90, 180, 270, 360 DEGREE CCTV CAMERA, CEILING OR PENDANT MOUNTED AS NOTED ON PLANS.
PAN/TILT/ZOOM (PTZ) CCTV CAMERA, CEILING MOUNTED.
90, 180, 270 DEGREE CCTV CAMERA, WALL MOUNTED.
PAN/TILT/ZOOM (PTZ) CCTV CAMERA, WALL MOUNTED.

SOME OF THESE SYMBOLS SHOWN MAY NOT BE USED ON THIS PROJECT

ABBREVIATIONS

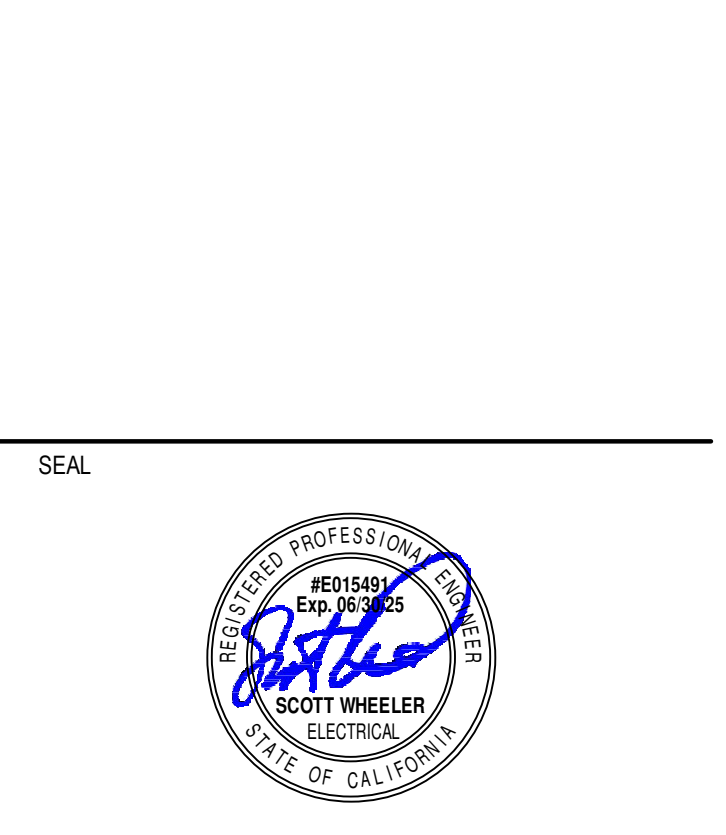
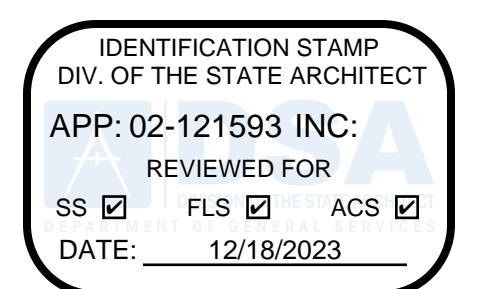
Table with 3 columns: Symbol, Abbreviation, Description. Includes entries for AMPERES, ARC FAULT CIRCUIT INTERRUPTER, AMPERE OVERCURRENT FRAME SIZE, MAIN BUILDING GROUND BUS, MAIN CIRCUIT BREAKER, MOTOR CONTROL CENTER, MAIN DISTRIBUTION FRAME, MAIN LUGS ONLY, EMPTY CONDUIT, MANUAL TRANSFER SWITCH, NEW, NORMALLY CLOSED, NON-FUSED, NOT IN ELECTRICAL CONTRACT, NIGHT LIGHT, UNSWITCHED, NORMALLY OPEN, NOT TO SCALE, ON CENTER, OWNER FURNISHED CONTRACTOR INSTALLED, PUBLIC ADDRESS, PRIMARY DAYLIGHT ZONE, PANEL, POWER QUALITY METER, POTENTIAL TRANSFORMER, POLYVINYL CHLORIDE, EXISTING TO BE REMOVED, REMOVE AND RELOCATE, SEE ARCHITECTURAL DRAWINGS, TIME CLOCK, TWISTED-PAIR, SECONDARY DAYLIGHT ZONE, SURGE PROTECTION DEVICE, TRANSFORMER, TYPICAL, UNLESS OTHERWISE NOTED, UNINTERRUPTIBLE POWER SUPPLY, VOLTS, VOLTS-AMPS, VARIABLE FREQUENCY DRIVE, VENDING MACHINE, WIRELESS ACCESS POINT, WEATHERPROOF, TWO SPEED, 1-PHASE, 3-PHASE, 1-POLE, 2-POLE, 3-POLE, 4-WIRE.

APPLIANCES

Table with 3 columns: Symbol, Abbreviation, Description. Includes entries for DOUBLE OVEN, MICROWAVE, DISHWASHER, REFRIGERATOR, ELECTRIC DRYER, RANGE HOOD, ELECTRIC OVEN/RANGE, UNDERCOUNTER REFRIGERATOR, GARBAGE DISPOSER, WINE COOLER, GAS RANGE, WINE COOLER.

ELECTRICAL SHEET INDEX

Table with 2 columns: SHEET NO., SHEET NAME. Includes entries for E000 SYMBOLS, PROJECT NOTES, AND SHEET INDEX; E001 SCHEDULES, POWER ONE LINE & RISER DIAGRAMS; E002 TITLE 24; E100 OVERALL ELECTRICAL SITE PLAN; E200 ENLARGED BASEBALL FIELD ELECTRICAL PLAN; E201 ENLARGED SOFTBALL FIELD ELECTRICAL PLAN; E300 ELECTRICAL DETAILS.



PROJECT LUTHER BURBANK HIGH SCHOOL ATHLETIC FIELDS RENOVATION

3500 FLORIN ROAD SACRAMENTO, CA 95823 CLIENT SACRAMENTO CITY UNIFIED SCHOOL DISTRICT 5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED table with columns: MARK, DATE, DESCRIPTION. Includes entries for 08/10/2023 DSA SUBMITTAL and 12/01/2023 DSA APPROVAL.

MANAGEMENT table with columns: LIONAKIS PROJECT NO., DSA APPLICATION NO., CLIENT PROJECT NO., COPYRIGHT. Includes values 023041, 02-121610, 23-118, and LIONAKIS 2022.

CONSTRUCTION DOCUMENTS table with columns: SHEET NO., SHEET NAME. Includes entries for E000 SYMBOLS, PROJECT NOTES, AND SHEET INDEX; E001 SCHEDULES, POWER ONE LINE & RISER DIAGRAMS; E002 TITLE 24; E100 OVERALL ELECTRICAL SITE PLAN; E200 ENLARGED BASEBALL FIELD ELECTRICAL PLAN; E201 ENLARGED SOFTBALL FIELD ELECTRICAL PLAN; E300 ELECTRICAL DETAILS.

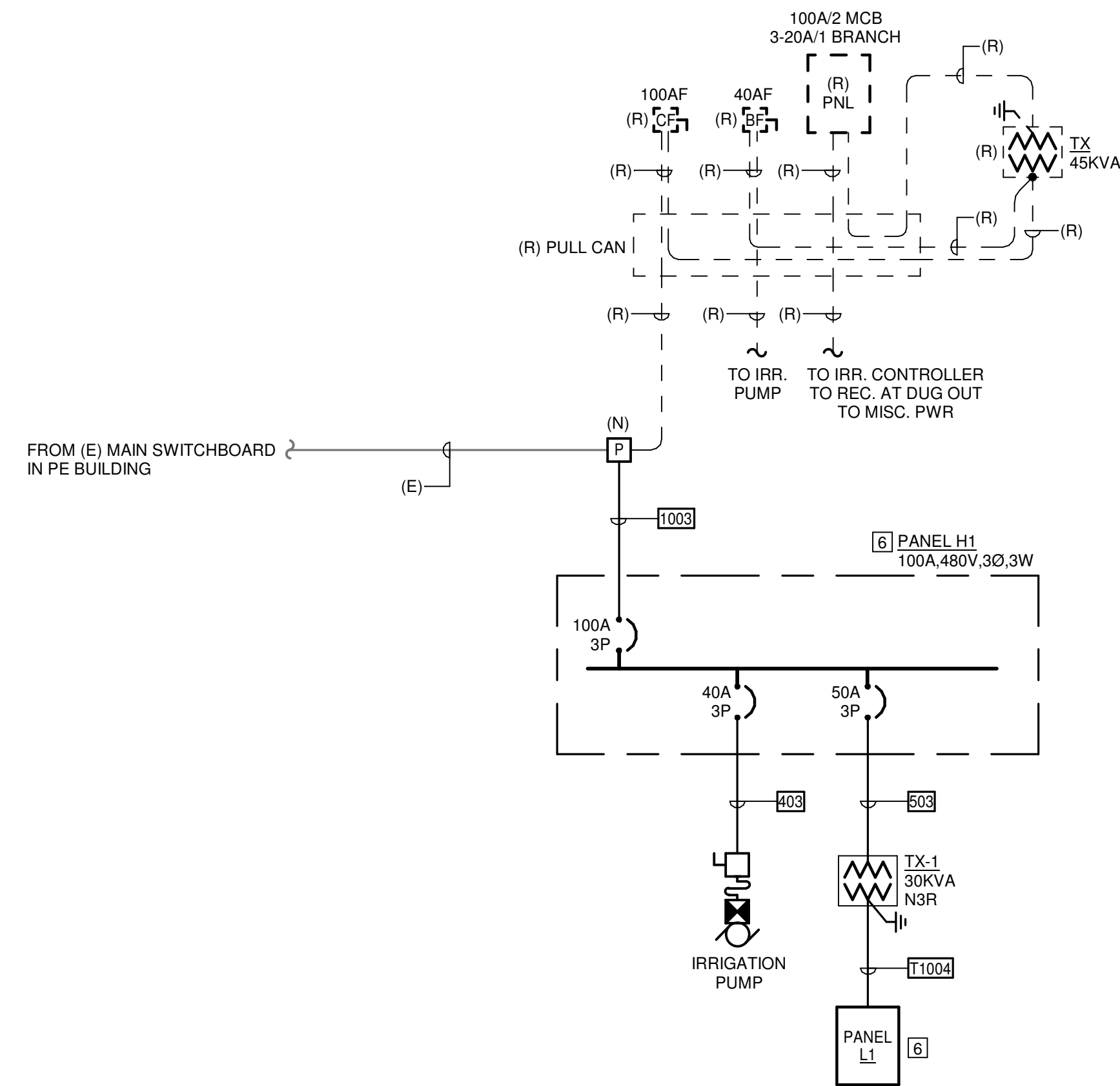
TITLE SYMBOLS, PROJECT NOTES, AND SHEET INDEX

SHEET E000

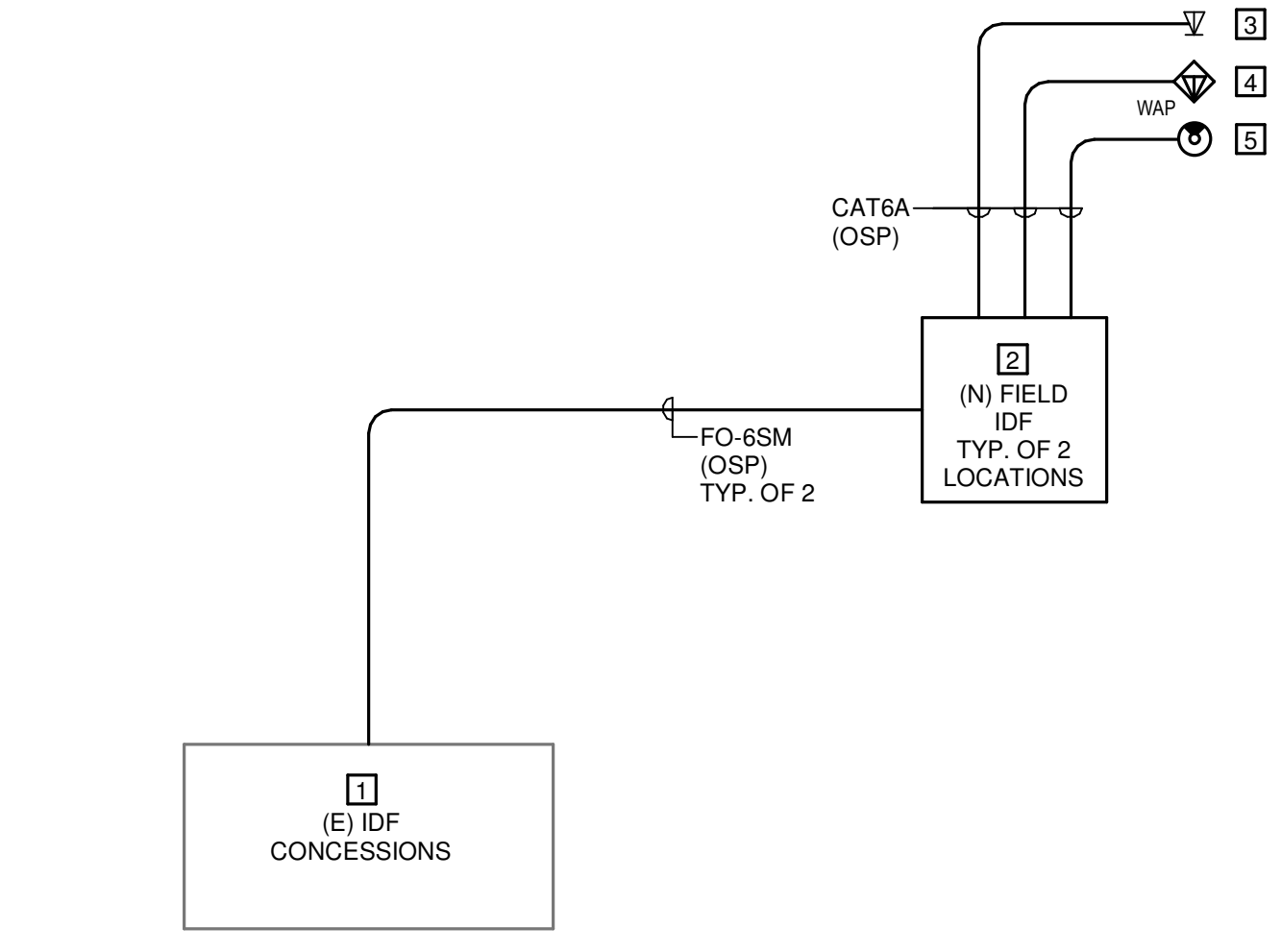
LUMINAIRE SCHEDULE							
TYPE	MANUFACTURER CATALOG NUMBER	DESCRIPTION	LIGHT SOURCE	DRIVER, TRANSFORMER	WATTAGE	VOLTAGE	DETAIL
SF1	GARDCO PUREFORM P26-48L-500-NW-G2-AR-3-UNV-BL-IMR13-(FINISH TBD) OR APPROVED EQUAL	HIGH PERFORMANCE, LOW PROFILE, FULL CUT-OFF LED AREA LIGHT, DIE-CAST ALUMINUM HOUSING WITH INTEGRAL MOUNTING BLOCK AND APRM, INTEGRAL HEAT SINK FINS, AND TEXTURED POLYESTER POWDERCOAT FINISH (COLOR TO BE DETERMINED BY THE ARCHITECT). PROVIDE WITH TYPE 3 OPTICAL SYSTEM AND INTEGRAL MOTION/AMBIENT LIGHT SENSOR. PROGRAMMED TO DIM TO 30% LIGHT OUTPUT WHEN NO MOTION IS DETECTED FOR 15 MIN AND FULL OFF WHEN NO MOTION IS DETECTED FOR 20 MIN. PROVIDE WITH 20" TALL, 4" SQUARE STRAIGHT STEEL POLE, FINISH TO MATCH THE FIXTURE FINISH. BUG RATING B2-U0-G2.	48-LED ARRAY 4000K 500mA ~10,755 LUMEN	0-10V DIMMING LED DRIVER	74 W	208 V	3/E300
SF1A	GARDCO PUREFORM P26-48L-500-NW-G2-AR-5-UNV-BL-IMR13-(FINISH TBD) OR APPROVED EQUAL	SAME AS FIXTURE TYPE SF1, WITH TYPE 5 DISTRIBUTION.	48-LED ARRAY 4000K 500mA ~10,755 LUMEN	0-10V DIMMING LED DRIVER	74 W	208 V	3/E300
SF2	RAB PORTO PRT-55W-N-WS OR APPROVED EQUAL	SURFACE MOUNTED LED LIGHT, WITH DIE CAST ALUMINUM AND SHEET METAL HOUSING, FROSTED POLYCARBONATE LENS, INTEGRAL SENSOR, IP68 RATED, PROGRAM INTEGRAL SENSOR PER DIRECTION FROM THE OWNER.	LED 4000K ~6,236 LUMEN	0-10V DIMMING LED DRIVER	55 W	120 V	

FEEDER SCHEDULE							
FEEDER SCHEDULE GENERAL NOTES							
1. COPPER FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON CONDUCTORS WITH THHN/THWN-2 INSULATION IN EMT CONDUIT.							
2. ALUMINUM FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON CONDUCTORS WITH RHH/W-2 INSULATION IN EMT CONDUIT.							
3. FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON AN AMBIENT TEMPERATURE OF 30 DEGREES C (86 DEGREES F).							
4. FEEDERS CONSISTING OF MULTIPLE SETS OF CONDUCTORS AND CONDUITS ARE TO BE PROVIDED WITH THE INDICATED SIZE GROUND CONDUCTOR IN EACH CONDUIT.							
5. PER CEC ARTICLE 110.14, ALL FEEDERS SIZED AT #2 AWG OR LESS ARE CALCULATED PER 60 DEGREE TABLE. FEEDERS GREATER THAN #2 AWG ARE RATED 75 DEGREE.							
FEEDER SCHEDULE REMARKS							
A. OVERSIZED 150% NEUTRAL, SUITABLE FOR SERVICE FROM K-13 RATED TRANSFORMERS.							
B. FEEDER APPROVED FOR USE WITH SEPARATELY DERIVED SYSTEM; GROUNDING AS REQUIRED BY CEC ARTICLES 240 AND 250.							
C. FEEDER GROUND AND BONDING JUMPER SHALL HAVE AN AREA NOT LESS THAN 12.5% OF THE AREA OF THE LARGEST PHASE CONDUCTOR.							
D. INCREASE CONDUIT TO THE NEXT LARGER TRADE SIZE WHEN USING SCHEDULE 40 OR 60 PVC CONDUIT.							
E. PER CEC SECTION 240.4(B), FOR OVERCURRENT DEVICES RATED 800A OR LESS, THE NEXT HIGHER STANDARD OVERCURRENT DEVICE RATING (ABOVE THE AMPACITY OF THE CONDUCTORS) CAN BE USED. RULE CAN NOT BE APPLIED IF 100% RATED BREAKERS ARE USED.							
F. PER CEC 240.21(C), THE PROVISIONS OF 240.4(B) SHALL NOT BE PERMITTED FOR TRANSFORMER SECONDARY CONDUCTORS.							
FEEDER TAG	FEEDER DESCRIPTION	CONDUIT	CONDUCTORS		SEPARATELY DERIVED SYSTEM		REMARKS
			PHASE/NEUTRAL	GROUND	GROUNDING ELECTRODE	BONDING JUMPER	
403	40 AMP, 3 WIRE	1-0.75"	3 #8 CU	1 #10 CU	-	-	-
503	55 AMP, 3 WIRE	1-0.75"	3 #6 CU	1 #10 CU	-	-	-
1003	95 AMP, 3 WIRE	1-1.25"	3 #2 CU	1 #6 CU	-	-	E
T1004	110 AMP, 4 WIRE	1-1.50"	4 #1 CU	1 #8 CU	#6 CU IN 0.75" C.	#6 CU	B,F

- ### GENERAL SHEET NOTES
- FIBER OPTIC OUTSIDE PLANT (OSP) DATA CABLING SHALL BE 9/125 SINGLE-MODE, 6-STRAND, SUPERIOR ESSEX W4008J101.
 - COPPER OUTSIDE PLANT DATA CABLING SHALL BE CAT6A, SUPERIOR ESSEX 04-001-A8.
- ### NUMBERED SHEET NOTES
- PROVIDE NEW FIBER OPTIC TERMINATION PANEL AS REQUIRED TO SUPPORT ALL NEW FIBER CABLE IN IDF EQUIPMENT RACK.
 - PROVIDE 8-PORT MEDIA CONVERTER (ALTRONIX NETWORKS8X OR EQUAL), PROVIDE 120V CIRCUIT TO POWER SUPPLY WITHIN ENCLOSURE.
 - PROVIDE 1- DATA DROP AT IRRIGATION CONTROLLER.
 - TYPICAL, PROVIDE 1- DATA DROP FOR EACH SECURITY CAMERA SHOWN ON DRAWINGS.
 - TYPICAL, PROVIDE 1- DATA DROP FOR EACH WIRELESS ACCESS POINT SHOWN ON DRAWINGS.
 - PROVIDE A TESCO 24-000NR FREESTANDING ENCLOSURE FOR PANELS H1 AND L1 IN SIDE BY SIDE CONFIGURATION.



1 POWER ONE LINE DIAGRAM
SCALE: NTS



2 LOW VOLTAGE RISER DIAGRAM
SCALE: NTS

Branch Panel: PANEL H1 [6]														
Location: (N) ELECTRICAL YARD			Served From (E) MSB			Phases 3			A.I.C. Rating: 14K		Bus Rating 100 A			
Mounting: PAD MOUNT			Volts: 480			Wires 3			Main Type: MCB		Main Rating: 100 A			
LC	Load Served	Amp	P	#	A (kVA)	B (kVA)	C (kVA)	#	P	Amp	Load Served	LC		
L; P	TX-1	50 A	3	3	2.49	8.86	2.60	8.86	2	4	40 A	IRRIGATION PUMP		
				5			2.44	8.86	6					
--	space	--	7	--	--	--	--	--	8	1	space	--		
			9	--	--	--	--	--	10	1	space	--		
			11	--	--	--	--	12	1	--	space	--		
Total Load:					11.35 kVA	11.46	11.30							
Total Amps:					41 A	41.38 A	40.77 A							
Load Classification			Conn. Load			Demand Factor			Code Demand			Panel Totals		
Motor			25.57 kVA			125.00%			33.22 kVA			Connected Load: 34.11 kVA		
Lighting			1.21 kVA			125.00%			1.52 kVA			Connected Amps: 41.02 A		
Receptacle			4.32 kVA			100.00%			4.32 kVA			Code Demand Load: 41.05 kVA		
Power			2 kVA			100.00%			2 kVA			Code Demand Amps: 49.38 A		

Branch Panel: PANEL L1 [6]														
Location: (N) ELECTRICAL YARD			Served From TX-1			Phases 3			A.I.C. Rating: 10K		Bus Rating 100 A			
Mounting: PAD MOUNT			Volts: 120/208			Wires 4			Main Type: MCB		Main Rating: 100 A			
LC	Load Served	Amp	P	#	A (kVA)	B (kVA)	C (kVA)	#	P	Amp	Load Served	LC		
R	REC BASEBALL VISTOR SIDE	20 A	1	1	0.90	0.22			2	2	20 A	SITE LIGHTING		
R	REC BASEBALL HOME SIDE	20 A	1	3			0.72	0.22		4				
R	BASEBALL MEDIA CONVERTER	20 A	1	5				0.18	0.50	6				
R	REC BASEBALL CAGE	20 A	1	7	0.36	0.50			8	2	20 A	SOFTBALL SCOREBOARD		
L	BASEBALL CAGE LTG	20 A	1	9			0.44	0.50		10	2	20 A	BASEBALL SCOREBOARD	
R	REC SOFTBALL VISTOR SIDE	20 A	1	11				0.72	0.50	12	1	space		
R	SOFTBALL MEDIA CONVERTER	20 A	1	13	0.18	--				14	1	space		
R	REC SOFTBALL HOME SIDE	20 A	1	15			0.54	--		16	1	space		
R	REC SOFTBALL CAGE	20 A	1	17				0.36	--	18	1	space		
L	SOFTBALL CAGE LTG	20 A	1	19	0.33	--				20	1	space		
R	BASEBALL BACKSTOP	20 A	1	21			0.18	--		22	1	space		
R	SOFTBALL BACKSTOP	20 A	1	23				0.18	--	24	1	space		
Total Load:					2.49 kVA	2.60	2.44							
Total Amps:					21 A	21.75 A	20.33 A							
Load Classification			Conn. Load			Demand Factor			Code Demand			Panel Totals		
Lighting			1.21 kVA			125.00%			1.52 kVA			Connected Load: 7.53 kVA		
Receptacle			4.32 kVA			100.00%			4.32 kVA			Connected Amps: 20.91 A		
Power			2 kVA			100.00%			2 kVA			Code Demand Load: 7.84 kVA		
Code Demand Amps:					21 A	21.75 A	20.33 A							

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121593 INC.
REVIEWED FOR:
FLS [] ACS []
DATE: 12/18/2023

LIONAKIS

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CONSULTANT

The Engineering Enterprise
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http://www.engeer.com

SEAL



PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

MANAGEMENT
LIONAKIS PROJECT NO: 023041
DSA APPLICATION NO: 02-121610
CLIENT PROJECT NO: 23-118
COPYRIGHT: LIONAKIS 2022

TITLE
**SCHEDULES, POWER
ONE LINE & RISER
DIAGRAMS**

SHEET

E001

IF THIS SHEET IS NOT 30" X 42" IT IS A REDUCED PRINT - SCALE ACCORDINGLY

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

Project Name: Luther Burbank High School Athletic Fields Renovation
Date Prepared: 2023-08-08 17:13:04-05

Table with columns for Project Location, Climate Zone, and Compliance Status. Includes sections for General Information and Project Scope.

Table with columns for New Lighting System, Altered Lighting System, and % of Existing Luminaires Being Altered.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 125543-0823-0003

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

Project Name: Luther Burbank High School Athletic Fields Renovation
Date Prepared: 2023-08-08 17:13:04-05

G. SHIELDING REQUIREMENTS (BAG)

Table with columns for luminaire type and mounting height. Includes sections for Backlight Rating and Uplight Rating.

NOTES: Mounting height is defined in this table. Authority having jurisdiction may opt for luminaire cut sheets or other documentation to confirm compliance.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 125543-0823-0003

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

Project Name: Luther Burbank High School Athletic Fields Renovation
Date Prepared: 2023-08-08 17:13:04-05

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Form/Title

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 125543-0823-0003

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

Project Name: Luther Burbank High School Athletic Fields Renovation
Date Prepared: 2023-08-08 17:13:04-05

Table showing Compliance Results with columns for General Allowance, Salts Frontage, Dimensional, Per Specific Area, Existing Power Allowance, and Total Allowed/Actual.

D. EXCEPTIONAL CONDITIONS

E. ADDITIONAL REMARKS

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 125543-0823-0003

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

Project Name: Luther Burbank High School Athletic Fields Renovation
Date Prepared: 2023-08-08 17:13:04-05

H. OUTDOOR LIGHTING CONTROLS

Table with columns for luminaire type and control type. Includes sections for Area Description and Glare Rating.

NOTES: Text has been abbreviated, please refer to Table 180.5-A to confirm compliance with the specific light source requirements listed.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 125543-0823-0003

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

Project Name: Luther Burbank High School Athletic Fields Renovation
Date Prepared: 2023-08-08 17:13:04-05

DOCUMENTATION AUTHOR'S DECLARATION

RESPONSIBLE PERSON'S DECLARATION STATEMENT

Signature of Responsible Person

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 125543-0823-0003

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

Project Name: Luther Burbank High School Athletic Fields Renovation
Date Prepared: 2023-08-08 17:13:04-05

Table showing Outdoor Lighting Fixture Schedule with columns for luminaire type and wattage.

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

Table with columns for luminaire type and power allowance.

NOTES: Selection with 3' fixture height is shown in the table and a separate fixture schedule is provided.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 125543-0823-0003

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

Project Name: Luther Burbank High School Athletic Fields Renovation
Date Prepared: 2023-08-08 17:13:04-05

J. LIGHTING ALLOWANCE: PER APPLICATION

K. LIGHTING ALLOWANCE: SALES FRONTAGE

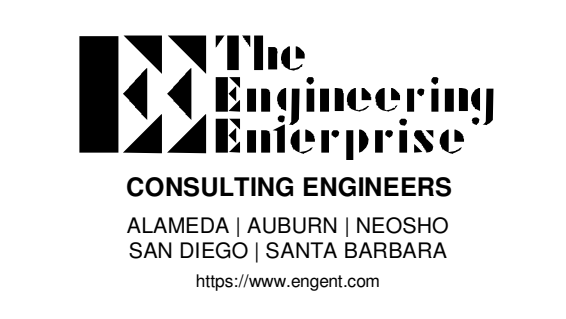
L. LIGHTING ALLOWANCE: ORNAMENTAL

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 125543-0823-0003



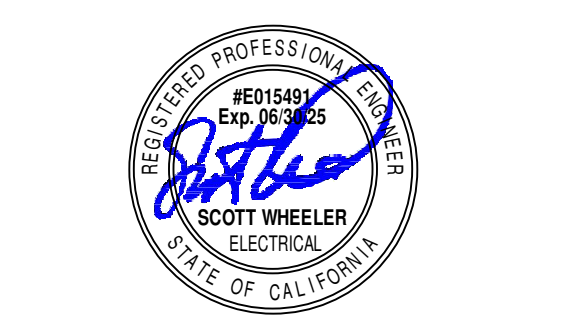
LIONAKIS

2025 Northstar Street
Sacramento CA 95818
P. 916.558.1900 F. 916.558.1919
www.lionakis.com



CONSULTANT

SEAL



PROJECT LUTHER BURBANK HIGH SCHOOL ATHLETIC FIELDS RENOVATION

3500 FLORIN ROAD
SACRAMENTO, CA 95823
CLIENT: SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

Table with columns for MARK, DATE, and DESCRIPTION. Shows revision history.

Table with columns for MANAGER, PROJECT NO., APPLICATION NO., CLIENT PROJECT NO., and COPYRIGHT.

TITLE TITLE 24

SHEET E002

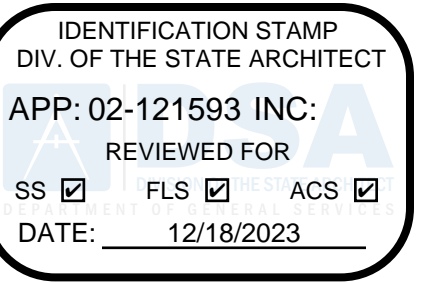
11/27/2023 2:28:36 PM C:\Users\jzaser\Documents\BURBANK_HS_ELEC_SITE_022 JUSTIN ZASER\gimgent.com.rvt IF THIS SHEET IS NOT 30"x42" IT IS A REDUCED PRINT - SCALE ACCORDINGLY 0 1/4" = 12'

NUMBERED SHEET NOTES

- 1 EXISTING FEEDER FROM EXISTING SWITCHBOARD AT PE BUILDING 14, DSA #21238.
- 2 INTERCEPT EXISTING 480V FEEDER.
- 3 APPROXIMATE LOCATION OF EXISTING IDF ROOM IN CONCESSIONS BUILDING 16, DSA #02-111488. CONTRACTOR TO VERIFY EXACT LOCATION.
- 4 REFER TO 2/E200 FOR CONTINUATION TO NEW ELECTRICAL YARD.
- 5 REFER TO FEEDER SCHEDULE AND POWER ONE LINE DIAGRAM FOR SIZE AND QUANTITIES.
- 6 EXTEND 2" FROM (E) IDF TO FIELD FOR NEW FIBER TO FIELD IDF.
- 7 REMOVE (E) POLE. RETURN ASSOCIATED EQUIPMENT BACK TO DISTRICT.
- 8 PROVIDE POWER BEHIND BACKSTOP FOR SCOREBOARD CONTROL STATION. PROVIDE J-BOX FOR FUTURE CONTROL AND/OR DATA. WITH 1.25" FROM THE "IDF" AND 1.25" TO THE SCOREBOARD.
- 9 PROVIDE POLE MOUNTED SECURITY CAMERA AT 12'-0" AFF. PROVIDE HANDHOLE/HUB ON POLE AT 12'-0".
- 10 PROVIDE WIRELESS ACCESS POINT WITHIN OBERON 1022-00 ENCLOSURE. PROVIDE HANDHOLE/HUB ON POLE AT 12'-0" MOUNT ENCLOSURE TO POLE HANDHOLE WITH MANUFACTURER HARDWARE.
- 11 STUB 0.75" SIGNAL CONDUIT PATHWAY FROM SCOREBOARD CONTROL STATION AT BACKSTOP TO POLE BASE OF SCOREBOARD. PROVIDE PULL STRING AND TERMINATE WITH CAP FOR FUTURE USE.
- 12 REFER TO 1/E200 & 1/E201 FOR CONTINUATION TO NEW FIELD IDF CABINETS.
- 13 PROVIDE PATHWAY FOR ETHERNET CONNECTION TO IRRIGATION CONTROLLER. REFER TO 2/E200.
- 14 ROUTE NEW FIBER THROUGH ACCESSIBLE CEILING SPACE IN 1.25". VERIFY EXACT PATHWAY IN THE FIELD.
- 15 PROVIDE 12"x12"x8" PULL CAN ABOVE CEILING LINE. VERIFY EXACT LOCATION IN THE FIELD.

GENERAL SHEET NOTES

- A. CALL U.S.A. PRIOR TO UNDERGROUND WORK. 1-800-227-2600.
- B. PULLBOX AND HANDHOLE LOCATIONS ARE DIAGRAMMATIC AND NOT DIMENSIONED. LOCATE NEW HANDHOLES IN CLOSEST LANDSCAPED AREA WHEREVER POSSIBLE. COORDINATE WITH LANDSCAPE ARCHITECT. PROVIDE WITH STEEL TRAFFIC RATED LID IN ANY AREA SUBJECT TO VEHICULAR TRAFFIC.
- C. HANDHOLES/PULLBOXES FOR SIGNAL SYSTEMS SHALL BE MIN. 24"x36" INTERIOR DIMENSIONS, OR SIZED PER CEC 314.28, WHICHEVER IS LARGER. LID SHALL BE ENGRAVED "SIGNAL", UON. REFER TO RISER DIAGRAMS FOR CABLING REQUIREMENTS.
- D. HANDHOLES/PULLBOXES FOR POWER SHALL BE SIZED PER CEC 314.28. LID SHALL BE ENGRAVED "POWER", UON. REFER TO POWER ONE-LINE DIAGRAM FOR FEEDER REQUIREMENTS. MINIMUM CONDUIT SIZE FOR POWER IS 1.0". MINIMUM WIRE SIZE #10.
- E. REFER TO ELECTRICAL DETAILS FOR TYPICAL HANDHOLE/PULLBOX INSTALLATION.
- F. PROVIDE A PULL STRING IN ALL EMPTY CONDUITS.
- G. PROVIDE 6-INCH WIDE RED UNDERGROUND WARNING TAPE AT 12-INCHES ABOVE ALL NEW UNDERGROUND CONDUITS.



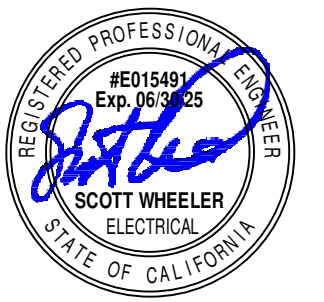
LIONAKIS

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CONSULTANT



SEAL



PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

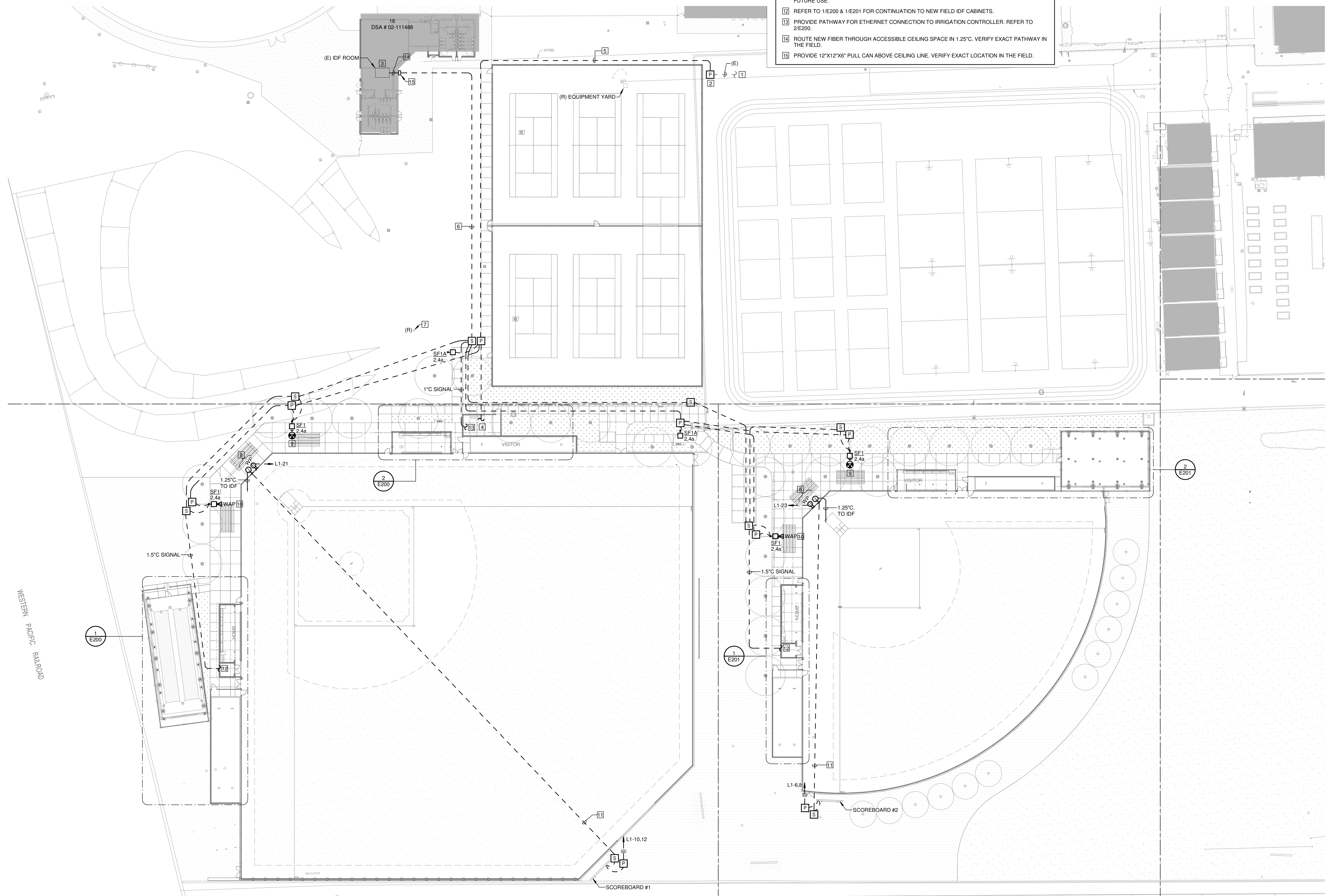
CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

MANAGEMENT	
LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121610
CLIENT PROJECT NO:	23-118
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TITLE
**OVERALL ELECTRICAL
SITE PLAN**

SHEET
E100



1 OVERALL ELECTRICAL SITE PLAN
SCALE: 1" = 30'-0"

0 1/4" = 1'-0"

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

C

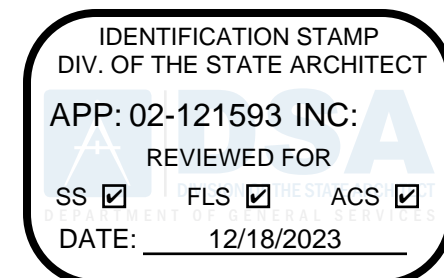
B

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NUMBERED SHEET NOTES

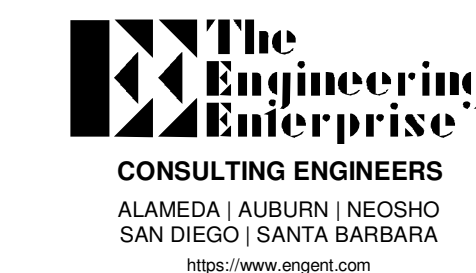
- [1] REFER TO 1/E100 FOR CONTINUATION TO (E) ELECTRICAL YARD.
- [2] REFER TO 1/E100 FOR CONTINUATION TO (E) IDF ROOM AT CONCESSIONS BUILDING.
- [3] PROVIDE 8-PORT MEDIA CONVERTER, REFER TO 2/E001. PROVIDE 120V CIRCUIT TO POWER SUPPLY AT ENCLOSURE.
- [4] INSTALL RECEPTACLE ON PVC INSULATED GALVANIZED RIGID CONDUIT RISER. RUN NEW CONDUIT FROM NEAREST (N) POWER PULLBOX SHOWN ON SITE PLAN.
- [5] PROVIDE AN ASTRONOMIC ELECTRONIC LIGHTING CONTROLLER FOR EXTERIOR POLE LIGHTS, INTERMATIC MODEL# ET9225C, OR EQUAL. PROVIDE WITH OUTDOOR WEATHERPROOF METAL ENCLOSURE.
- [6] PROVIDE DATA FOR IRRIGATION CONTROLLER, REFER TO 2/E001.



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PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

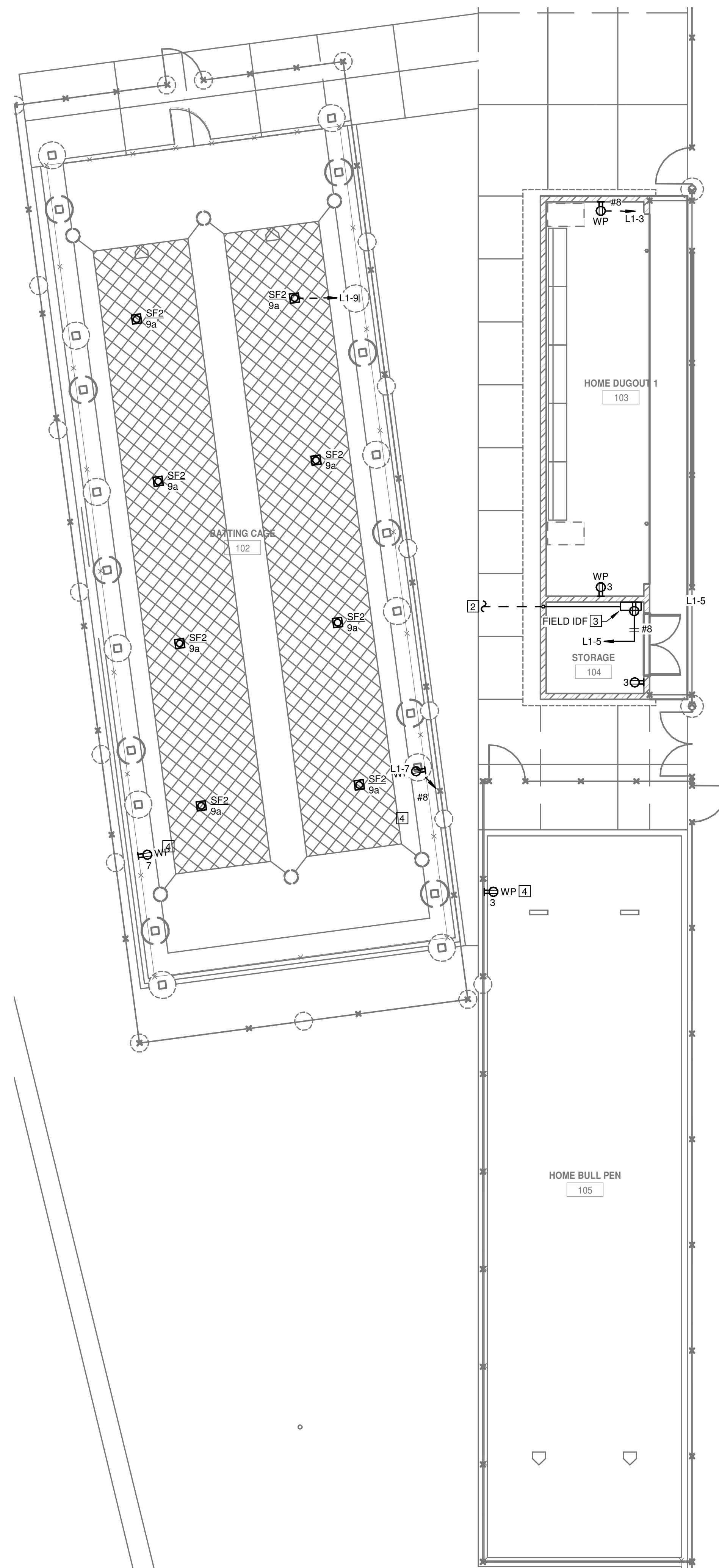
CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED		
MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

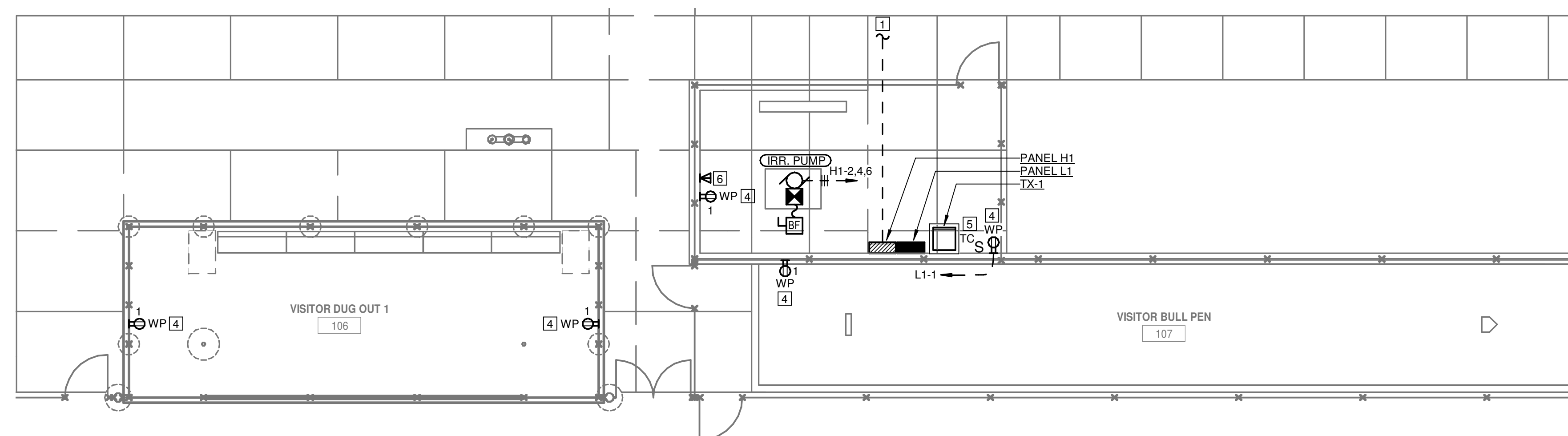
MANAGEMENT	
LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121610
CLIENT PROJECT NO:	23-118
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TITLE
**ENLARGED BASEBALL
FIELD ELECTRICAL
PLAN**

SHEET
E200



1 ENLARGED HOME DUG OUT, BULLPEN & BATTING CAGES
SCALE: 1/8" = 1'-0"



2 ENLARGED VISITORS DUG OUT & BULLPEN
SCALE: 1/8" = 1'-0"

0 1/4" 1/2" 1"

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C

B

C:\Users\jstaszler\Documents\Burbank_HHS_ELEC_SITE_022 JUSTIN STASZLER@GERRANT.COM.XR

11/27/2023 2:28:57 PM

NUMBERED SHEET NOTES

1 REFER TO 1/E100 FOR CONTINUATION TO (E) IDF ROOM AT CONCESSIONS BUILDING.

2 PROVIDE 8-PORT MEDIA CONVERTER, REFER TO 2/E001. PROVIDE 120V CIRCUIT TO POWER SUPPLY AT ENCLOSURE.

3 INSTALL RECEPTACLE ON PVC-INSULATED GALVANIZED RIGID CONDUIT RISER. RUN NEW CONDUIT FROM NEAREST (N) POWER PULLBOX SHOWN ON SITE PLAN.

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-121593 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 12/18/2023

LIONAKIS

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CONSULTANT

The Engineering Enterprise
 CONSULTING ENGINEERS
 ALAMEDA | AUBURN | NEOSHO
 SAN DIEGO | SANTA BARBARA
 http://www.eeep.com

SEAL



PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

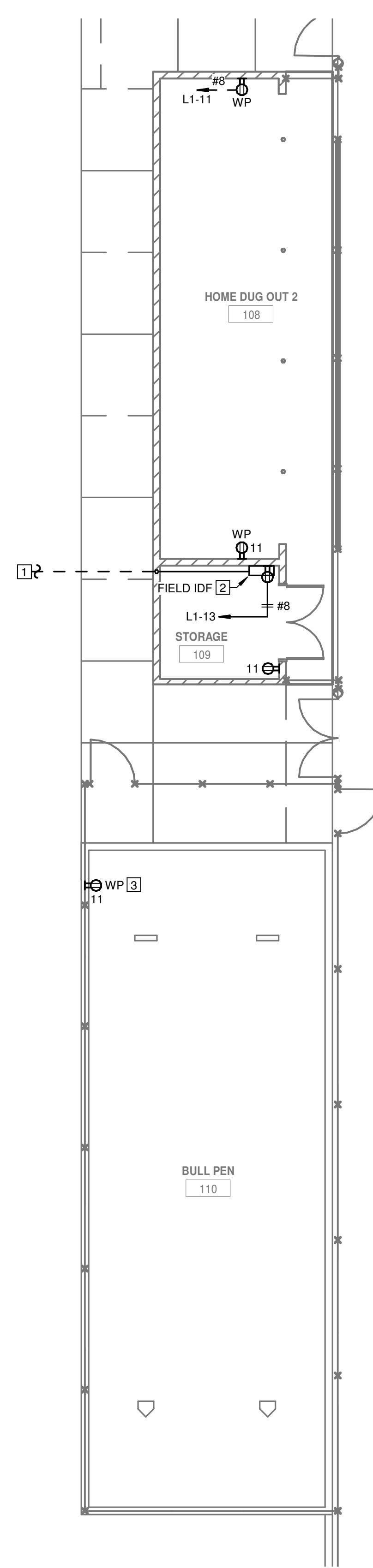
CLIENT
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MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

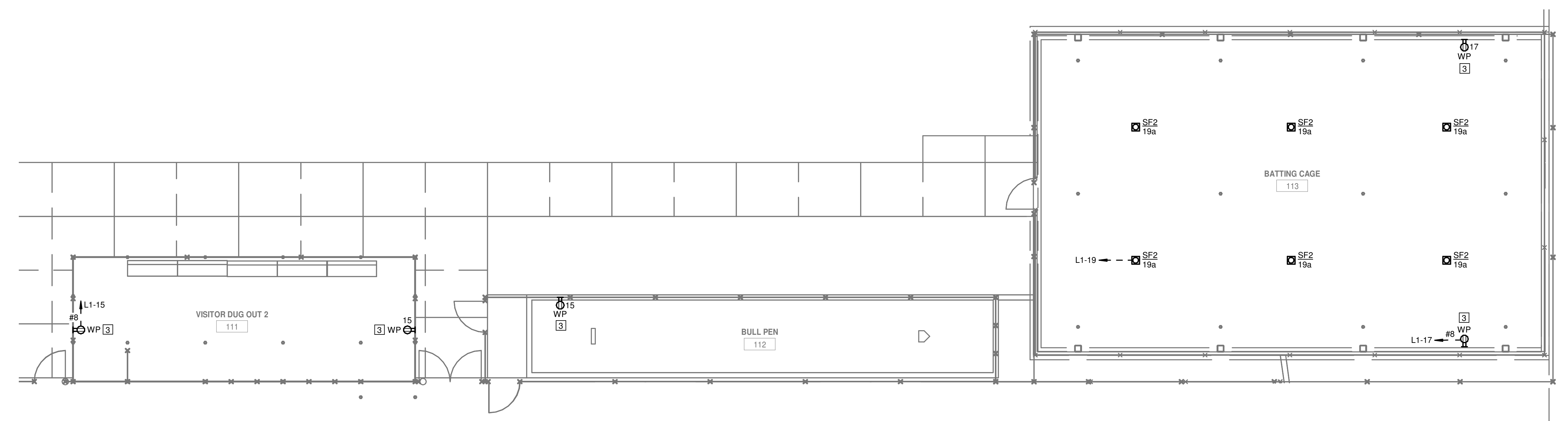
MANAGEMENT	
LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121610
CLIENT PROJECT NO:	23-118
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TITLE
**ENLARGED SOFTBALL
 FIELD ELECTRICAL
 PLAN**

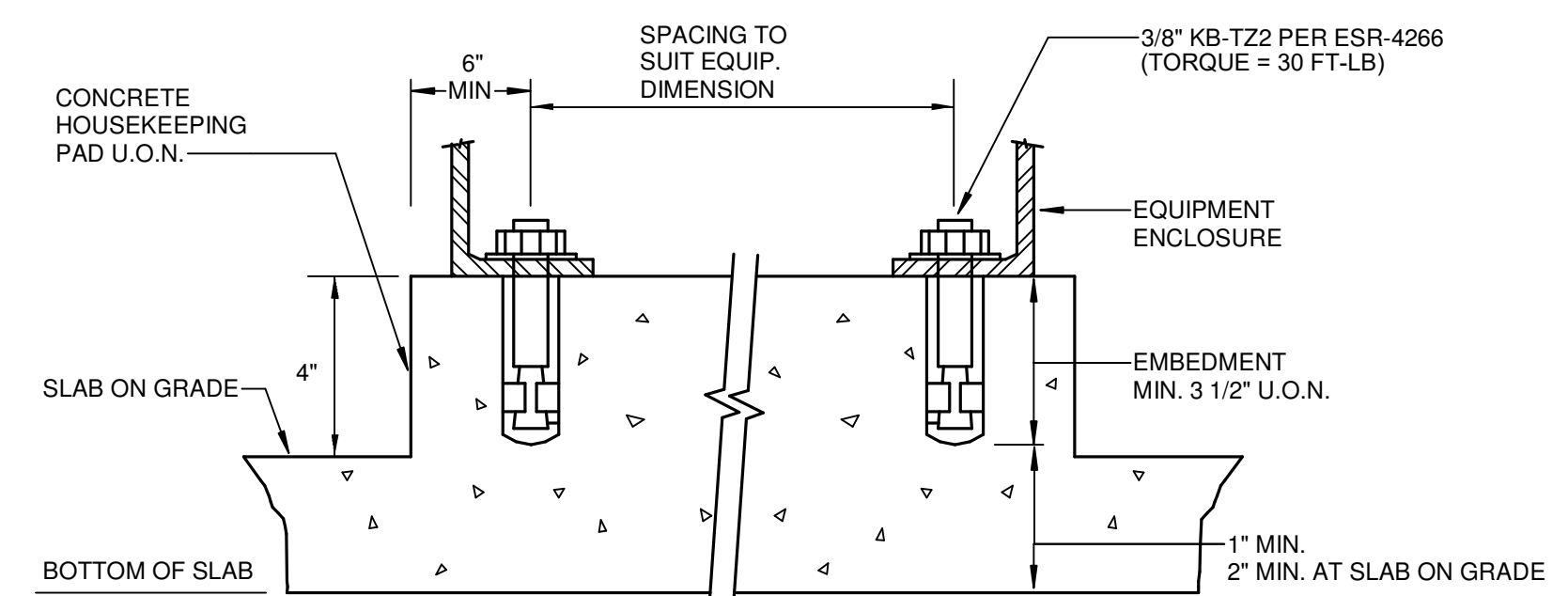
SHEET
E201



1 ENLARGED HOME DUG OUT & BULLPEN
 SCALE: 1/8" = 1'-0"



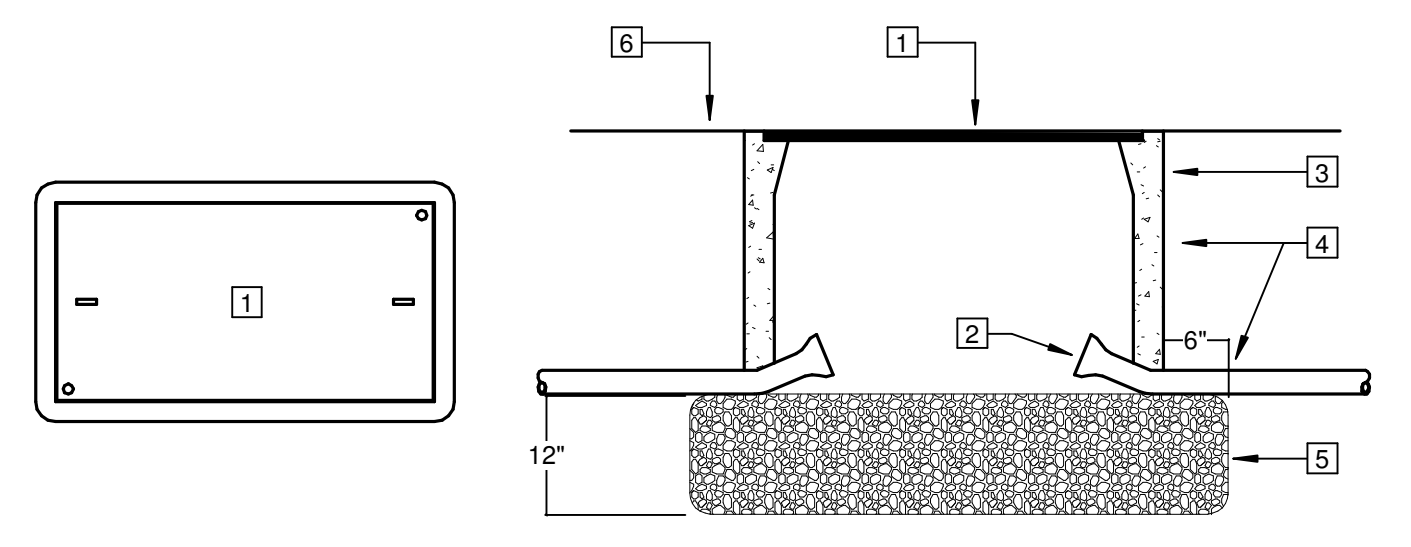
2 ENLARGED VISITORS DUG OUT, BULLPEN & BATTING CAGES
 SCALE: 1/8" = 1'-0"



PEDESTALS : 2 PER SIDE. (2/E200)
TRANSFORMER : 2 PER SIDE. (2/E200)

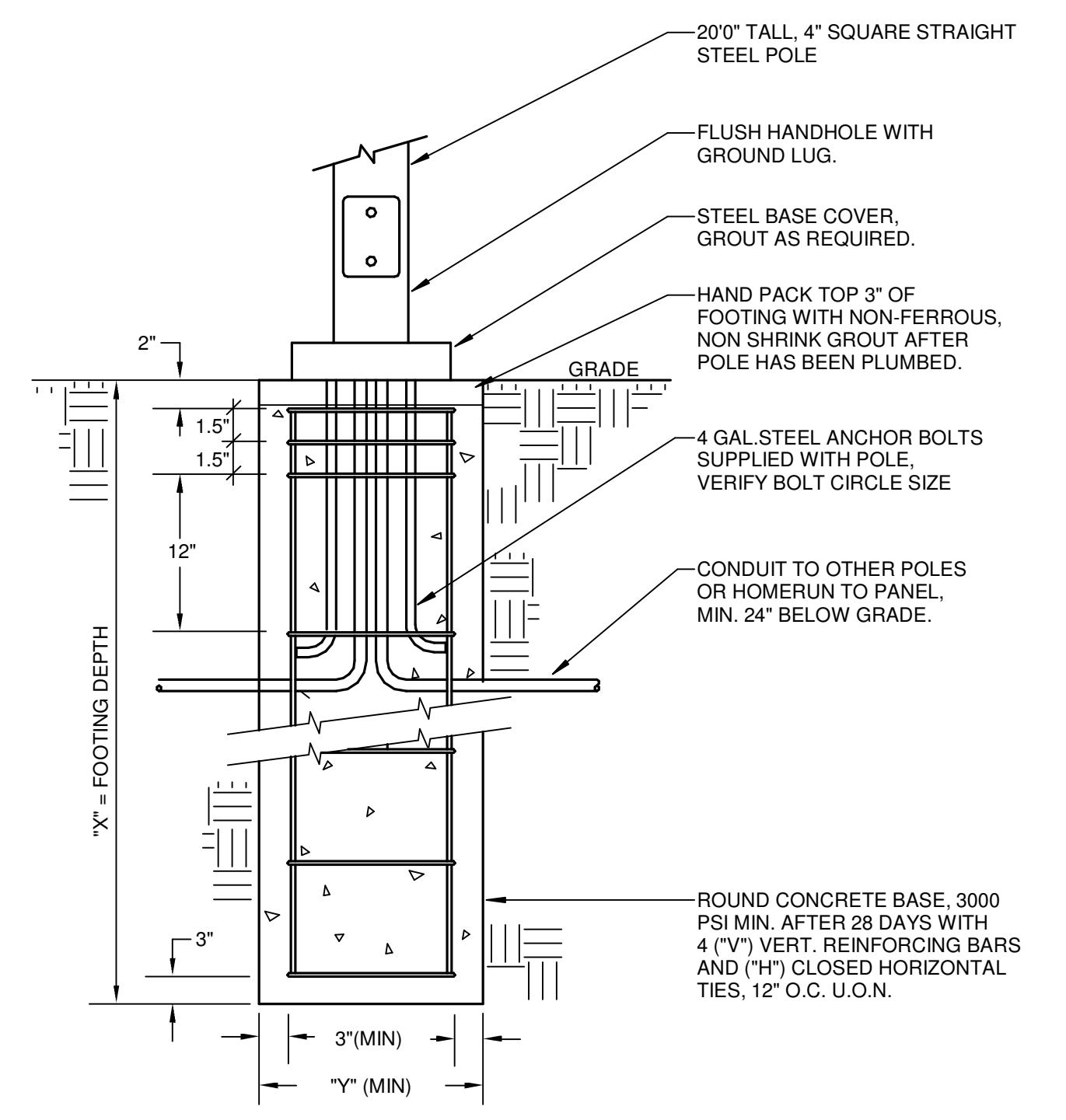
REFER TO PLANS FOR EQUIPMENT DIMENSIONS. TOTAL EQUIPMENT WEIGHT LESS THAN 400#.

1 ELECTRICAL EQUIPMENT FASTENING DETAIL
SCALE:NTS



1. CONCRETE COVER (TO SUIT APPLICATION) WITH HOLD DOWN BOLTS. LABEL COVER AS REQUIRED.
2. BELL ENDS TYP.
3. PRE-CAST REINFORCED CONCRETE BOX, SIZE PER CEC. INSTALL FLUSH WITH GRADE.
4. SEAL AROUND CONDUIT, BOX & JUNCTION OF EXTENSION(S) WITH MORTAR.
5. CRUSHED ROCK
6. FINISHED GRADE

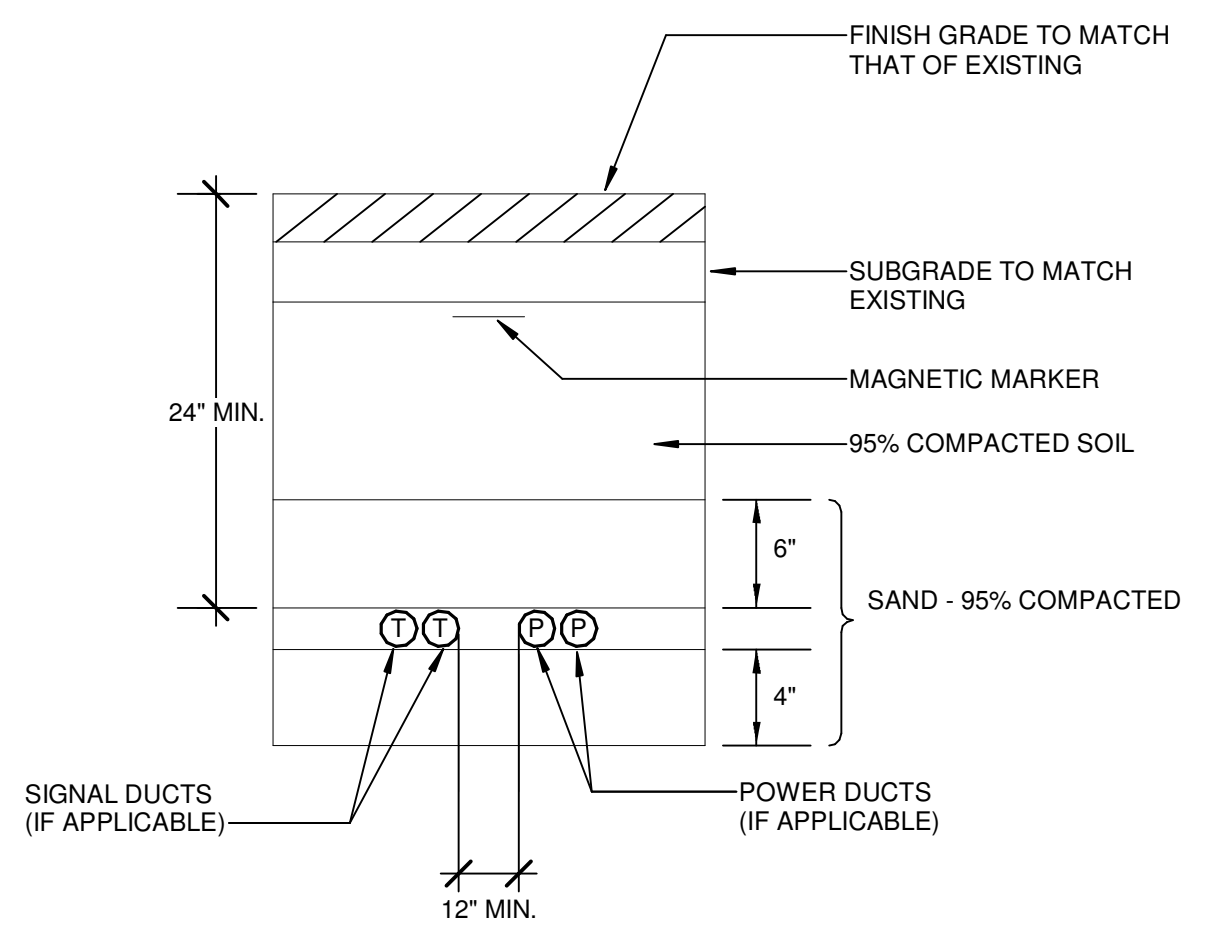
2 SITE PULLBOX INSTALLATION DETAIL
SCALE:NTS



NOMINAL HEIGHT	POLE HEIGHT	BOLT CIRCLE	"H"	"Y"	"X"	"Y"
20'-0"	20'-0"	9.5'-11"	#3	#4	5'-0"	24"

NOTE:
DETAIL NOT PART OF THE DSA STRUCTURAL SAFETY APPROVAL (DSA IR A-22)

3 LIGHTING POLE BASE DETAIL
SCALE:NTS



5 JOINT TRENCH DETAIL
SCALE:NTS

DSA ANCHORAGE NOTES

APPLICABLE CODE: 2022 CBC 07/30/2023
ELECTRICAL COMPONENT ANCHORAGE NOTE

ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED AND ANCHORED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.13 THROUGH 1617A.1.26 AND ASCE 7-6 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR HUNG FROM A WALL.

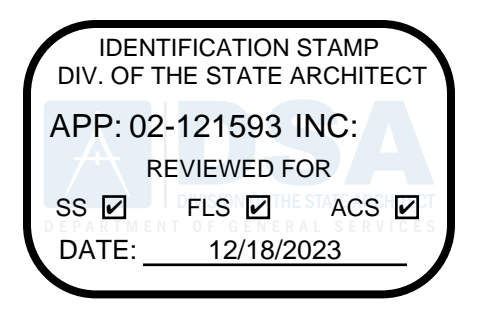
THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEERING DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G. OSHPD OPM FOR 2019 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEERING OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

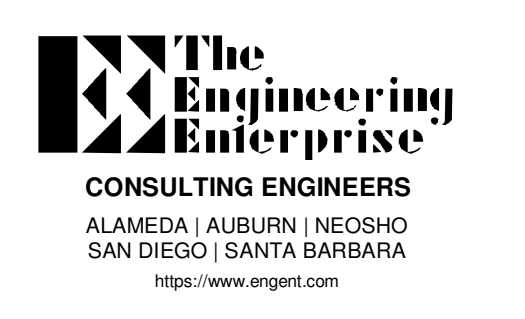
ELECTRICAL DISTRIBUTION SYSTEMS, OPTION 2: SHALL COMPLY WITH THE APPLICABLE HCAI (OSHPD) PRE-APPROVAL (OPM #) 0043-01.



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PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
	08/10/2023	DSA SUBMITTAL
	12/01/2023	DSA APPROVAL

MANAGEMENT	
LIONAKIS PROJECT NO.:	023041
DSA APPLICATION NO.:	02-121610
CLIENT PROJECT NO.:	23-118
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TITLE
ELECTRICAL DETAILS

SHEET
E300

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M BAR C MULTI-PURPOSE/GYM CANOPY 22.0



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APP: 02-121593 INC.
REVIEWED FOR
SS FLS ACS
DATE: 12/18/2023

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Sacramento CA 95818
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CONSULTANT

4 STEEL ENGINEERING
26030 ACERO,
MISSION VIEJO, CA 92691
949.305.1150 | FAX 949.305.1420

M BAR C CONSTRUCTION INC.
1770 LA COSTA MEADOWS DRIVE
SAN MARCOS, CA 92078
PHONE: (760) 744-4131
FAX: (760) 744-4449
LIC # 847940
WWW.MBARCCONSTRUCTION.COM
E: INFO@MBARCCONSTRUCTION.COM

ENGINEER'S APPROVAL

BID INFORMATION
THE STRUCTURES AND DESIGNS IN THIS PC ARE PROPRIETARY TO M BAR C CONSTRUCTION, INC. AND 4 S.T.E.L. ENGINEERING, INC. ALL SITES USING THIS PC: M BAR C CONSTRUCTION, INC. SHALL BE THE STEEL CONTRACTOR & 4 S.T.E.L. ENGINEERING, INC. SHALL BE THE SEOR. SEE THE STANDARD NOTES FOR PC USE ON S-1 FOR ADDITIONAL REQUIREMENTS.

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122015_PC
REVIEWED FOR
SS FLS ACS CG
DATE: 11/09/2023

SEAL

PROJECT
**LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE, SACRAMENTO, CA 95824

PC OWNERSHIP



M BAR C CONSTRUCTION INC.

1770 LA COSTA MEADOWS DR.
SAN MARCOS, CA 92078

LIC # 869960
B AND C51

POINT OF CONTACT:
GREG JONES

PHONE: (760) 744-4131
FAX: (760) 744-4449

STANDARD NOTES FOR PC USE

- 4 S.T.E.L. ENGINEERING, INC. IS AVAILABLE TO BID THE GENERATION OF THE FULL DSA SUBMITTAL PACKAGE ACTING AS THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE (DPGRC) OR TO SUPPORT THE DPGRC AS THE SITE SPECIFIC STRUCTURAL ENGINEER OF RECORD (SEOR). CONTACT DUSTIN ROSEPKIN AT 4 S.T.E.L. ENGINEERING, INC FOR A PROPOSAL FOR SERVICES AT (949) 305-1150. DRRPINK@4STELENG.COM
- FOR CONSTRUCTION COST INFORMATION, CONTACT M BAR C CONSTRUCTION, INC.
- CUSTOM SIZES AND LOADING REQUIRE SUPPLEMENTARY SHOP DRAWINGS AND CALCULATIONS.

LEGAL NOTES

- USE OF THE PC WITHOUT WRITTEN CONSENT FROM M BAR C CONSTRUCTION, INC. IS STRICTLY PROHIBITED.
- ALL INFORMATION HEREIN IS PROPRIETARY INFORMATION AND UNDER THE OWNERSHIP OF M BAR C CONSTRUCTION, INC.

DESIGN PARAMETER NOTES

- REFER TO SHEET S-2 FOR 'DESIGN CHECK LIST' AND 'SITE SPECIFIC PARAMETERS'.
- WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED FROM A GEOTECHNICAL ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC DRAWINGS ARE STILL APPLICABLE. UNLESS THE BOTTOMS OF FOUNDATIONS ARE RAISED ABOVE THE DESIGN FLOOD ELEVATION, A VALIDATION LETTER FROM THE GEOTECHNICAL ENGINEER SHALL BE PROVIDED, EVEN IF THE PRESUMPTIVE LOAD BEARING VALUES PER CBC SECTION 1806A.2 ARE USED. EXCEPTION: WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE D (UNDEFINED) AND THE APPLICANT PROVIDES EVIDENCE FROM THE LOCAL JURISDICTION OR A QUALIFIED DESIGN PROFESSIONAL CONFIRMING THE SITE IS NOT IN A FLOOD HAZARD ZONE.
- WET STAMPED & SIGNED COPIES OF PC PLANS ARE NOT REQUIRED FOR SITE SPECIFIC PC USE.
- CHANGES TO PC DOCUMENTS ARE GOVERNED BY DSA PL 07-02. SECTION 5. INCONSEQUENTIAL CHANGES MAY BE MADE TO THE EXTENT THAT THEY CAN BE REVIEWED WITHIN THE TWO-HOUR OTC TIME FRAME. CHANGES TO CODE-REGULATED ASPECTS TO PC DOCUMENTS ARE NOT PERMITTED AND SHALL BE SUBMITTED AND REVIEWED THROUGH THE REGULAR PLAN REVIEW PROCESS.
- THE SITE SPECIFIC DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE IS RESPONSIBLE FOR ENSURING ALL INFORMATION SHOWN IN THE DESIGN PARAMETER CHECKLIST ARE MET AND PROVIDED AT THE TIME OF DSA SUBMITTAL.
- THE SITE SPECIFIC DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE IS RESPONSIBLE FOR ENSURING 4 S.T.E.L. ENGINEERING, INC. HAS BEEN PROPERLY CONTRACTED TO PERFORM THE ROLE AS SEOR. NO OTHER FIRM SHALL PERFORM THE SEOR ROLE. 4 S.T.E.L. ENGINEERING, INC. DUSTIN ROSEPKIN SHALL ONLY ACT AS THE SEOR IF PROPERLY CONTRACTED.
- 4 S.T.E.L. ENGINEERING, INC. DUSTIN ROSEPKIN WILL NOT SIGN ANY DSA FORMS (I.E. DSA-5, DSA-6, ETC.), REVIEW OR APPROVE ANY SUBMITTALS (I.E. GEOTECHNICAL REPORTS, CONCRETE MIX DESIGNS, SHOP DRAWINGS, ETC.) FOR THE SITE SPECIFIC PROJECT UNLESS HE IS ACTING AS THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR THE SITE SPECIFIC STRUCTURAL ENGINEER OF RECORD PER NOTE 3 ABOVE.
- THE PC STRUCTURAL MEMBERS ARE DESIGNED TO THE FOLLOWING ASCE 7-16 (SUPPLEMENT 3) SEISMIC CRITERIA: $S_{ps} = 2.8$, $S_{ps} = 1.867$, $S_1 = 1.39$, $R = 3.5$.
- CUSTOM SIZES AND LOADING REQUIRE SUPPLEMENTARY SHOP DRAWINGS & CALCULATIONS.
- THE PC STRUCTURE(S) ARE APPROVED FOR BOTH CLEAR AND OBSTRUCTED WIND FLOW.

SHEET INDEX

- S-1TITLE SHEET
 - S-2GENERAL DATA
 - S-3GENERAL NOTES
 - S-4EXAMPLE DSA-103 FORMS
 - S-5SECTION PROPERTIES & REBAR DETAILS
 - S-6FRAMING PLAN
 - S-7FRAMING ELEVATIONS
 - S-8FOUNDATION DETAILS
 - S-9FRAMING CONNECTION DETAILS
 - S-10PURLIN & ROOF DECK DETAILS
- 10 SHEETS

BID INFORMATION

THE STEEL STRUCTURES IN THIS PC ARE PROPRIETARY TO M BAR C CONSTRUCTION, INC. THE STEEL WORK SHALL NOT GO OUT TO BID.

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

SITE SPECIFIC INFORMATION

REVISIONS

MARK	DATE	DESCRIPTION

4 STEEL JOB # MC05-02-1

DATE 11-01-23

DRAWN BY NML

CHECKED CDL

TITLE SHEET

S-1

NOTE: IF DIMS IS NOT 24 x 36, IT IS NOT FULL SIZE

MARK	DATE	DESCRIPTION
	12/01/2023	DSA APPROVAL

MANAGEMENT
LIONAKIS PROJECT NO: 023041
DSA APPLICATION NO: 02-121593
CLIENT PROJECT NO:
COPYRIGHT: LIONAKIS 2022

TITLE
TITLE SHEET

SHEET
S-1

BM1901020241_SQUID BURBANK HS Plans/02041_ARCH/STEEL ECOL CENTRAL.rvt

11/09/2023 3:28:47 PM

IF THIS SHEET IS NOT 30"x42" IT IS A REDUCED PRINT - SCALE ACCORDINGLY

DESIGN CHECK LIST

INSTRUCTIONS:
DESIGN PROFESSIONAL SHALL ENSURE ADEQUACY OF PC DESIGN AND PLAN PREPARATION BY VERIFYING THAT ALL THE APPLICABLE CHECKLIST ITEMS BELOW HAVE BEEN PROPERLY EVALUATED/EXECUTED

SUBMISSION IS FOR: OTC REGULAR SUBMITTAL

SEOR

S-2: VERIFY THAT TABLES IN 'SITE SPECIFIC PARAMETERS' SECTION HAVE BEEN COMPLETED

S-2: VERIFY WHETHER SPRINKLERS ARE INSTALLED PER 'MAX. DESIGN PARAMETERS' OPTION.

S-2: VERIFY IF CGS APPROVAL OF GEOTECHNICAL REPORT REQUIRED BECAUSE INDIVIDUAL PC STRUCTURES EXCEED 4000 SQ FT OR SITE IS LOCATED IN A STATE OR LOCAL GEOHAZARD ZONE. STRUCTURES MAY BE BROKEN UP INTO MULTIPLE 4,000 SQ FT STRUCTURES WITH SEISMIC BREAKS PER SEISMIC GAPS ON S-2.

S-2: VERIFY SITE-SPECIFIC WIND PARAMETERS AT ANY AND ALL SITES WHERE THIS PC IS USED. THIS PC DESIGN IS BASED ON WIND SPEED 105 MPH FOR RISK CATEGORY III TYPE STRUCTURES UTILIZING EXPOSURE TYPE C PER ASCE 7-16.

S-2: VERIFY THE MAXIMUM SEISMIC S_{DS} AT THE SITE DOES NOT EXCEED $S_{DS} = 1.867$.

S-2: VERIFY THE SITE SPECIFIC SNOW LOAD AND ENSURE ALL SITE SPECIFIC PC SELECTIONS MEET OR EXCEED THE SITE SPECIFIC SNOW LOAD. THIS PC HAS OPTIONS FOR NO SNOW AND 20 PSF SNOW LOAD. VERIFY THE SITE SPECIFIC DESIGN PROFESSIONAL HAS PROVIDED THE PROPER SITE SPECIFIC VALUES FOR P_g , P_s , C_e , I , C_p FOR SNOW LOADS IF THE HORIZONTAL SEPARATION FROM ANY STRUCTURE IS LESS THAN 20-FT. SNOW DRIFT ANALYSIS SHALL BE PROVIDED BY THE PC APPLICANT, AND THE SITE APPLICATION IS NOT ELIGIBLE FOR OVER-THE-COUNTER (OTC) SUBMITTAL.

S-2: VERIFY THE SITE SPECIFIC PLANS UTILIZE A RISK CATEGORY II OR III STRUCTURE. RISK CATEGORY II STRUCTURES SHALL NOT PROVIDE SHELTER FOR EMERGENCY VEHICLES OR EQUIPMENT, OR PROVIDE REQUIRED ACCESS TO, REQUIRED EGRESS FROM, OR SHARE A LIFE SAFETY COMPONENT WITH A RISK CATEGORY IV STRUCTURE.

S-2: VERIFY SELECTION OF USE AND OCCUPANCY CLASSIFICATION PER CBC CHAPTER 3. OCCUPANT LOAD FACTOR PER CBC TABLE 1004.5, RISK CATEGORY PER CBC TABLE 1004.5, TO BE COMPLETED BY DESIGN PROFESSIONAL AT TIME OF DSA OTC OR PROJECT DSA SUBMITTAL.

S-2: VERIFY APPROPRIATE SEISMIC SEPARATION PER 'STRUCTURAL DATA'

S-2: VERIFY 'CONSTRUCTION OPTIONS' ARE SELECTED

S-2: VERIFY MAX. DESIGN PARAMETERS, SPRINKLER YES OR NO, SEISMIC SITE CLASS, ARE SELECTED

S-3: VERIFY THAT OPTIONS FOR CONCRETE DURABILITY BASED ON EXPOSURE CLASS AND THE FOUNDATION SOILS CLASS HAVE BEEN SELECTED.

S-3: VERIFY THE SITE SPECIFIC FOUNDATION LOCATIONS MEET WITH NOTE 9 ON S-3 IN THE SOILS NOTES SECTION FOR SET BACK FROM TOP OF SLOPES, OR THAT THE GEOTECHNICAL REPORT HAS ALLOWED A SMALLER DISTANCE.

S-3: ALLOWABLE LATERAL PRESSURE OF SOIL AT PROJECT SITE LIMITS GROUND-LEVEL LATERAL DISPLACEMENT OF THE STRUCTURE TO A MAXIMUM OF 1/2"

S-3: SITE SPECIFIC GEOTECHNICAL REPORT HAS BEEN PROVIDED WITH A GEOHAZARD SECTION INCLUDED. REFER TO SOILS NOTES #1 ON SHEET S-3 IF NO GEOTECHNICAL REPORT IS PROVIDED.

S-3: SITE SPECIFIC DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE TO SELECT SOILS CLASS FOR SITE SPECIFIC USE.

S-5: VERIFY THAT HOT ROLLED SECTIONS 5/S-5 & 6/S-5 HAVE BEEN SELECTED BASED ON THE SITE SPECIFIC PC ID'S UTILIZED IN BEAM A COLUMN SCHEDULE 1/S-6.

S-6: VERIFY PITCHED OR MONOSLOPE OPTION IS SELECTED.

S-6: VERIFY PURLIN CANTILEVER SPAN BLOCKING MIDSPAN OR NO BLOCKING OPTION.

S-7: VERIFY DETAIL 1 OR 2 IS SELECTED AND M1-M4 OPTIONS, FOUNDATION DETAIL OPTIONS, BASE CONNECTION OPTIONS AREA SELECTED.

S-7: VERIFY DETAIL 3 PITCHED OR MONOSLOPE ROOF OPTION IS SELECTED, FOUNDATION AND NONSTRUCTURAL BOLLARD DETAIL OPTIONS.

S-8: DETAIL 1 & 3, VERIFY PC ID FOUNDATION SELECTION MATCHES SITE SPECIFIC LAYOUT AND THAT SOILS CLASS SELECTION MATCHES S-3. VERIFY THAT SPIRAL TIE LENGTH AND SPACINGS HAVE BEEN SELECTED IN DETAIL 3. VERIFY IF STEEL CASING REQUIRED IN DETAIL 1. VERIFY IF NON-STRUCTURAL BOLLARD IS REQUIRED PER DETAIL 5/S-12.

S-8: DETAIL 2, VERIFY SPREAD FOOTING PC ID SELECTION MATCHES SITE SPECIFIC LAYOUT. VERIFY IF NON-STRUCTURAL BOLLARD IS REQUIRED PER DETAIL 5/S-8.

S-8: DETAIL 1, 2, 5, VERIFY EMBEDDED OR BASE PLATE COLUMN OPTION

S-8: DETAIL 4, VERIFY BASE PLATE COLUMN OPTION IS USED

S-8: VERIFY OPTIONAL NONSTRUCTURAL BOLLARD SELECTIONS MATCH SITE SPECIFIC PLANS. VERIFY FOUNDATION OPTIONS FOR CONDUIT ROUTING MATCH SITE SPECIFIC PLANS.

S-8: VERIFY IF PIER FOUNDATION STRADDLES THE INTERFACE BETWEEN HARD/STIFF AND SOFT SOILS STRATA

S-9: DETAIL 4, 8, 13, VERIFY M1-4 OPTIONS ARE SELECTED

S-10: VERIFY APPLICABLE LIGHTING DETAIL 14/S-10 IS SELECTED.

S-10: VERIFY WHETHER DETAIL 9/S-10, 11/S-10 OPTIONS ARE SELECTED.

SITE SPECIFIC PARAMETERS

INSTRUCTIONS:
DESIGN PROFESSIONAL SHALL CHECK THE APPROPRIATE SELECTION BOXES BELOW AND ENTER THE DESIGN PARAMETERS APPLICABLE TO THE SPECIFIC PROJECT SITE.

SNOW

$p_g =$ _____ psf
 0 psf _____ psf 5 psf 20 psf
 $C_e =$ _____

WIND

$V = 93$ mph < 105 mph
 $K_{zt} = 1$ ≤ 1
 EXPOSURE: C D

SEISMIC

DESIGN BASED ON SITE CLASS D DEFAULT
 NO GEOTECHNICAL INVESTIGATION REQUIRED
 $S_{DS} =$ _____ $F_a = 1.2$

DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16
 GEOTECHNICAL INVESTIGATION PROVIDED
 SITE CLASS: C D E
 $S_{DS} = 0.574$ $F_a = 1.34$ PER ASCE 7-16 SUPPL 3, TABLE 11.4-1

SELECT ONE

DESIGN BASED ON SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16
 SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{DS} , SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION
 CGS APPROVAL REQUIRED
 NOT ELIGIBLE FOR OTC REVIEW
 SITE CLASS: C D E

$S_{DS} = 1.867$ $F_a = 0.51$ < 1.867
 $C_e = 0.15$ < 0.687 USED IN DESIGN
 SEISMIC DESIGN CATEGORY: D E

STRUCTURAL DATA

LATERAL RESISTING SYSTEM..... ORDINARY STEEL MOMENT FRAME
 FOUNDATION..... CONCRETE DRILLED PIERS AND SPREAD FOOTINGS
 MINIMUM SEISMIC SEPARATION..... 6.0'
 TESTING AND INSPECTION LIST..... SEE SHEETS S-3 & S-4

MAX. DESIGN PARAMETERS

RISK CATEGORY..... III
 ROOF LIVE LOAD (L_r):
 DECK ONLY..... 20 psf
 POINT LOAD..... 300 lb

SNOW:
 GROUND SNOW, $P_g =$ 0 PSF, 5 PSF, 20.0 PSF
 $C_e = 0.9$
 $C_t = 1.2$
 $I = 1.0$
 $C_p = 1.0$
 $F_s = 0.7 C_e C_t I P_g C_s$
 ROOF SNOW, $P_g =$ 0 PSF, 5 PSF, 20.0 PSF
 $F_s = 0.0$ PSF

MAXIMUM DEAD LOAD:
 ROOF DECK..... 0.93 psf
 SPRINKLER..... 1.46 psf YES NO
 (SEISMIC MASS ONLY. SITE SPECIFIC SPRINKLER CONNECTIONS ARE NOT PROVIDED IN THIS PC. CALCULATIONS AND DETAILS FOR SPRINKLERS PROVIDED BY OTHERS.)

WIND: ASCE 7-16 METHOD 2 - ANALYTICAL PROCEDURE
 BASIC WIND SPEED..... 105 mph
 WIND EXPOSURE..... C
 INTERNAL PRESSURE..... N/A (OPEN STRUCTURE)
 WIND DIRECTIONALITY FACTOR..... $K_d = 0.85$
 VELOCITY PRESSURE COEFFICIENT..... $K_z = 0.96$
 TOPOGRAPHIC FACTOR..... $K_t = 1.00$

SEISMIC: ASCE 7-16
 SEISMIC IMPORTANCE FACTOR..... $I = 1.25$
 RESPONSE MODIFICATION FACTOR..... $R = 3.5$
 MAPPED SPECTRAL RESPONSE..... $S_s = 2.8$
 ACCELERATION..... $S_1 = 1.39$
 SITE CLASS..... A-D E (NOT IN LIQUEFIABLE SOIL AND/OR SITE CLASS F)

DESIGN SPECTRAL RESPONSE..... $S_{DS} = 1.867$
 $S_{D1} = 1.390$

SEISMIC DESIGN CATEGORY..... ORDINARY STEEL MOMENT FRAME (OMF) BOTH DIRECTIONS
 SEISMIC FORCE RESISTING SYSTEM.....
 SEISMIC RESPONSE COEFFICIENT..... $C_d = S_{DS} / R = 0.687$
 ANALYSIS PROCEDURE..... EQUIVALENT LATERAL FORCE
 BASE..... FROM USABLE SOIL HT. PER GEOTECHNICAL REPORT

CONSTRUCTION OPTIONS

ALL CONSTRUCTION OPTIONS INCLUDE OPTIONS FOR CONCRETE DRILLED PIERS AND/OR SPREAD FOOTINGS.

M1 40'-0" MAX. BEAM SPAN BETWEEN COLUMNS
 2:12 MAX. ROOF SLOPE
 21'-0" MAX. COLUMN HEIGHT
 6'-0" MAX. BEAM CANTILEVER
 0'-0" MIN. BEAM CANTILEVER

M2 40'-0" MAX BEAM SPAN BETWEEN COLUMNS
 2:12 MAX. ROOF SLOPE
 23'-0" MAX. COLUMN HEIGHT
 6'-0" MAX. BEAM CANTILEVER
 0'-0" MIN. BEAM CANTILEVER

M3 66'-0" MAX. BEAM SPAN BETWEEN COLUMNS
 2:12 MAX. ROOF SLOPE
 21'-0" MAX. COLUMN HEIGHT
 10'-0" MAX. BEAM CANTILEVER
 0'-0" MIN. BEAM CANTILEVER

M4 66'-0" MAX. BEAM SPAN BETWEEN COLUMNS
 2:12 MAX. ROOF SLOPE
 23'-0" MAX. COLUMN HEIGHT
 10'-0" MAX. BEAM CANTILEVER
 0'-0" MIN. BEAM CANTILEVER

CONSTRUCTION TYPE

TYPE OF CONSTRUCTION..... II-B
 OCCUPANCY..... E

NOTE: OCCUPANCIES OTHER THAN A-2/A-3 MAY BE UTILIZED PROVIDED THEY CONFORM TO THE FOLLOWING:

- RISK CATEGORY IS SELECTED IN ACCORDANCE WITH 2022 CBC TABLE 1604A.5, PENDING DSA SITE SPECIFIC APPROVAL.
- OCCUPANCY IS DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF 2022 CBC CHAPTERS 3 AND 5.
- THE ALLOWABLE HEIGHT AND BUILDING AREA IS LIMITED TO THE REQUIREMENTS PER 2022 CBC TABLE 504.3.

NUMBER OF STORIES..... 1
 ALLOWABLE BUILDING AREA..... 9,500 SQ. FT.
 BUILDING LENGTH..... MAXIMUM 500 FT LENGTH

NOTE: SEISMIC AND/OR THERMAL EXPANSION JOINTS NOT REQUIRED ALONG THE LENGTH OF THE STRUCTURES (ALL JOINTS ARE INTERNAL).

GENERAL NOTES

- ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENTS APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
- A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
- A 'DSA CERTIFIED' INSPECTOR WITH CLASS 2 CERTIFICATION IS REQUIRED FOR THIS PROJECT.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- IF THE PROJECT IS DIVIDED INTO INCREMENTS, THE SCOPE OF WORK FOR EACH INCREMENT MUST BE CLEARLY SPECIFIED ON THE TITLE SHEET OF ALL INCREMENTS SUBMITTED.

CODES

GOVERNING CODES:
 CALIFORNIA CODE OF REGULATIONS:
 2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
 (2021 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2022 CALIFORNIA AMENDMENTS)
 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
 (2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
 (2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
 (2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
 (2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)
 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
 TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
 NFPA 13 AUTOMATIC FIRE SPRINKLER SYSTEMS 2022 EDITION
 NFPA 72 NATIONAL FIRE ALARM & SIGNALING CODE 2022 EDITION
 REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:
 2022 CBC, CHAPTER 35
 2022 CPC, CHAPTER 80

FIRE LIFE SAFETY

AUTOMATIC FIRE SPRINKLERS REQUIRED? (Y/N)..... N

- FOR ALL CANOPY ARRAYS - VERIFY COMPLIANCE W/ CFC 503.2.1 NEW FIRE APPARATUS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET, EXCLUSIVE OF SHOULDERS, EXCEPT FOR APPROVED SECURITY GATES IN ACCORDANCE WITH SECTION 503.6, AND AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13 FEET 6 INCHES

ACCESS

- CONCRETE BOLLARD ABOVE FOUNDATIONS (RAISED PIERS) CANNOT BE LOCATED IN ACCESSIBLE PARKING SPACES OR ACCESS AISLES.
- SLOPED PORTIONS OF FOUNDATIONS, WHEN LOCATED IN ACCESSIBLE PARKING STALL OR ACCESS AISLE, MUST HAVE A SLOPE LESS THAN OR EQUAL TO 2.08%.
- MINIMUM ARRAY CLEAR HEIGHTS IN ACCESSIBLE AREAS:
 8'-2" - WHEN LOCATED OVER ACCESSIBLE PARKING OR ACCESS AISLES
 9'-6" - WHEN LOCATED OVER ACCESSIBLE PASSENGER LOADING ZONES

ASTE ENGINEERING
 26030 ACERO,
 MISSION VIEJO, CA 92691
 949.305.1150 | FAX 949.305.1420

MBARC CONSTRUCTION INC.
 1775 LA COCA
 SACRAMENTO, CA 95811
 (916) 444-4400
 (916) 444-4400
 WWW.MBARC.COM

ENGINEER'S APPROVAL

BID INFORMATION
 THE STRUCTURES AND DESIGNS IN THIS PC ARE PROPRIETARY TO M BAR C CONSTRUCTION, INC. AND 4 S.T.E.L. ENGINEERING, INC. ALL SITES USING THIS PC, M BAR C CONSTRUCTION, INC. SHALL BE THE STEEL CONTRACTOR & 4 S.T.E.L. ENGINEERING, INC. SHALL BE THE SEOR. SEE THE STANDARD NOTES FOR PC USE ON S-1 FOR ADDITIONAL REQUIREMENTS.

PRE-CHECK (PC) DOCUMENT
 CODE: 2022 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-12015-PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 11/09/2023

SITE SPECIFIC INFORMATION

MARK	DATE	DESCRIPTION
	12/01/2023	DSA APPROVAL

REVISIONS

MARK	DATE	DESCRIPTION

4 STEL JOB # MC05-02-1
 DATE 11-01-23
 DRAWN BY NML
 CHECKED CDL

GENERAL DATA

S-2

NOTE: IF DWG. IS NOT 24"x36", IT IS NOT FULL SIZE

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-121593-INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 12/18/2023

LIONAKIS

2025 Nineteenth Street
 Sacramento CA 95818
 P 916.558.1900 F 916.558.1919
 www.lionakis.com

CONSULTANT

SEAL

PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
	12/01/2023	DSA APPROVAL

MANAGEMENT

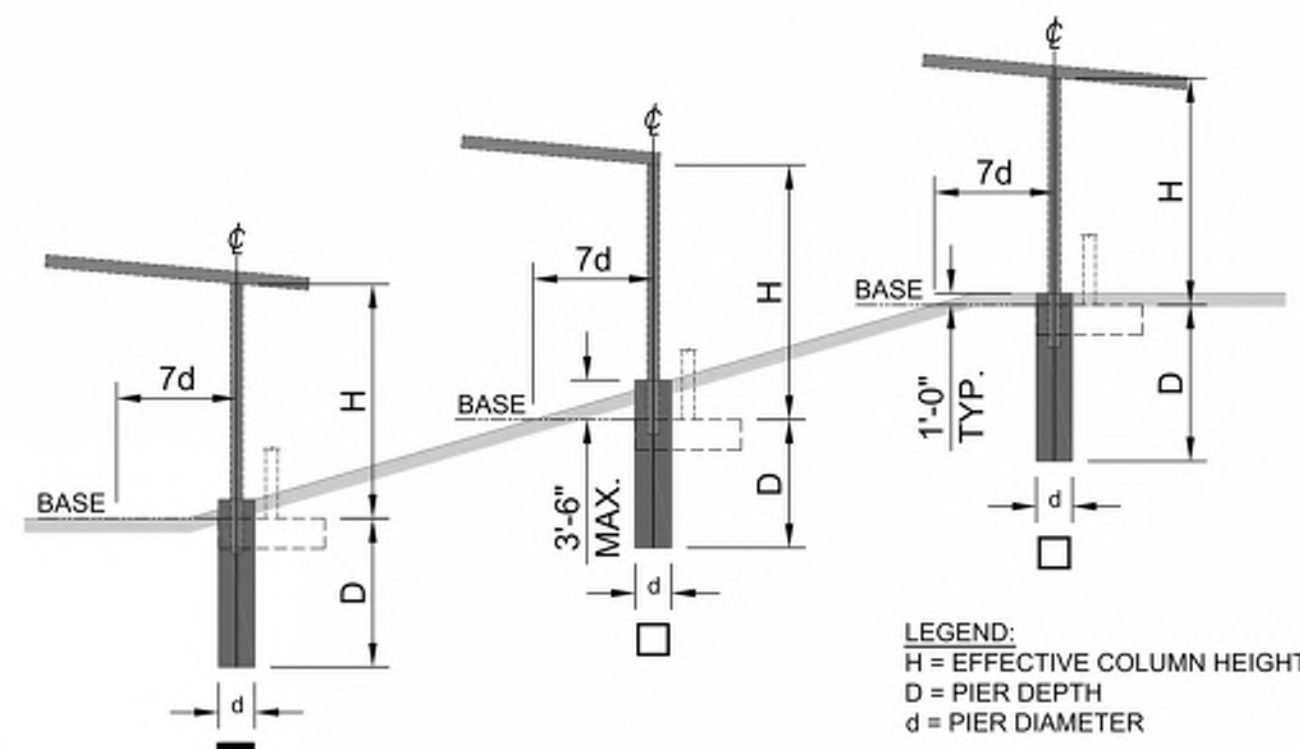
LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	
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GENERAL DATA

SHEET
S-2

SOILS AND FOUNDATIONS

- A SITE SPECIFIC GEOTECHNICAL REPORT IS REQUIRED.
- THE GEOTECHNICAL ENGINEER SHALL REVIEW THE SITE CONDITIONS, TESTING RESULTS, AND ALL ALLOWABLE INCREASES AND SUPPLY THE FINAL SOIL CLASS TO BE USED FROM THE BELOW TABLE. THE GEOTECHNICAL ENGINEER SHALL PROVIDE THE GEOTECHNICAL REPORT THE FOLLOWING BASE VALUES WITHOUT INCREASE FOR 24" DIAMETER PIERS. THE ALLOWABLE VERTICAL END BEARING, ALLOWABLE LATERAL BEARING, ALLOWABLE DOWNWARD SKIN FRICTION, ALLOWABLE SKIN FRICTION TO RESIST UPLIFT. THE GEOTECHNICAL ENGINEER SHALL ALSO PROVIDE ANY ALLOWABLE INCREASES TO THE BASE VALUES. ALLOWABLE INCREASES ARE TYPICALLY DUE TO BUT NOT EXCLUSIVE TO: DOUBLE VALUES DUE TO ISOLATED FOUNDATIONS, DOUBLE VALUES DUE TO THE STRUCTURE NOT BEING ADVERSELY AFFECTED BY 1/2" DEFLECTION AT THE SURFACE. A 40% INCREASE DUE TO SHORT TERM LOADING, AND ANY OTHER ALLOWABLE INCREASES. THE GEOTECHNICAL ENGINEER SHALL MAKE RECOMMENDATION OF THE SOIL CLASS TO BE USED AFTER ALL INCREASES HAVE BEEN APPLIED. ALL FOUNDATIONS HAVE BEEN DESIGN BASED ON THE VALUES PRESENTED IN THE BELOW TABLE. THE GEOTECHNICAL REPORT SHALL ADDRESS IF THE USE OF STEEL CASINGS THAT IS TWISTED INTO PLACE AND LEFT INSTALLED AFFECTS ANY ALLOWABLE VALUES.
- THE GEOTECHNICAL ENGINEER MAY SPECIFY DIFFERENT SOILS CLASSES TO BE USED FOR THE DIFFERENT STRUCTURE TYPES (V/C14 OR V/C20), DIFFERENT AREAS OF THE SITE (I.E. NORTH LOT OR WEST LOT), OR THE ENGINEER MAY SPECIFY ONE SOILS CLASS TO BE USED FOR THE ENTIRE SITE.
- THE GEOTECHNICAL ENGINEER SHALL ADDRESS IN THE REPORT ANY CONCRETE DURABILITY REQUIREMENTS IN ACCORDANCE WITH ACI 318-19 CHAPTER 19.
- THE GEOTECHNICAL REPORT SHALL BE SPECIFIC TO THE LOCATION OF THE STRUCTURES. BORING(S) SHALL BE DONE AT THE SPECIFIC LOCATION(S) WHERE THE STRUCTURES ARE TO OCCUR. THE GEOTECHNICAL REPORT SHALL CONFORM TO 2022 CBC SECTION 1803A.
- A COPY OF THE GEOTECHNICAL REPORT SHALL BE PROVIDED AT THE TIME OF PLAN REVIEW.
- AT THE TIME OF PLAN REVIEW, THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE SHALL SELECT A SOIL CLASS ON THE SITE-SPECIFIC PLANS BASED ON THE GEOTECHNICAL REPORT. HOLES MAY BE LEFT OPEN FOR ANY AMOUNT OF TIME AS LONG AS THEY ARE PROPERLY COVERED FOR OSHA STANDARDS.
- DESIGN OF PC STRUCTURE ASSUMES A MAXIMUM LATERAL DISPLACEMENT OF 1/2" AT THE BASE. ALLOWABLE LATERAL BEARING VALUES THAT RESULT IN LARGER DISPLACEMENTS ARE NOT ACCEPTABLE FOR USE WITH THIS PC STRUCTURE.
- FOUNDATIONS ADJACENT TO SLOPED GROUND SURFACES SHALL BE SET BACK PER THE FOLLOWING FIGURE UNLESS OTHERWISE RECOMMENDED BY A SITE SPECIFIC GEOTECHNICAL REPORT.



BASE: TOP OF 'USABLE SOIL PER GEOTECHNICAL REPORT'. SEE DETAILS (S1, S2, S3, S4, S5) FOR BASE LOCATION.

PIER FOUNDATIONS - FINAL DESIGN VALUES 1,2,3,4,5

USE	SOILS CLASS	VERTICAL BEARING PRESSURE (psf)	LATERAL BEARING PRESSURE (psf/ft)	MAXIMUM LATERAL BEARING (psf)	MIN. DOWNWARD SKIN FRICTION (psf)	MIN. UPWARD SKIN FRICTION (psf)
■	CLASS V	0	133	2,000	180	50
□	CLASS W	0	267	4,000	240	100
□	CLASS X	0	400	6,000	270	100
□	CLASS Y	0	533	8,000	300	100
□	CLASS Z	0	800	12,000	340	120

SPREAD FOOTINGS - FINAL DESIGN VALUES 1,2,3

USE	SOILS CLASS	MIN. ALLOWABLE END BEARING (psf)	MIN. ALLOWABLE LATERAL BEARING (psf/ft)	MAX. LATERAL BEARING (psf)	SLIDING FRICTION μ
□	ALL	1,500	100	2,000	0.25

NOTES:

- TABLE ALREADY TAKES INTO ACCOUNT 1/3 INCREASE AND DOUBLING OF THE PASSIVE PRESSURE WITHOUT ANY FURTHER INCREASES. GEOTECHNICAL ENGINEER IS REQUIRED TO SPECIFY THE SOILS CLASS WHERE FINAL VALUES WITH INCREASES ARE NOT ALLOWED TO EXCEED THESE VALUES)
- DOUBLING THE PASSIVE PRESSURE DUE TO SOIL ARCHING EFFECTS IS NOT ALLOWED IN CONJUNCTION WITH DOUBLING BASED ON THE 1/2" DEFLECTION AT THE SURFACE.
- THE FOUNDATION DESIGNS FOR THIS PC ARE BASED ON 2022 CBC ALTERNATE BASIC LOAD COMBINATIONS PER SECTION 1605A.3.2 WHERE 1/3 INCREASES ARE ALLOWED.
- END BEARING NOT USED FOR PIER FOUNDATION DESIGN.
- WHEN NO GEOTECHNICAL REPORT IS PROVIDED USE SOIL CLASS V.

CONCRETE

- CONCRETE MIN. 4,500 PSI AT 28 DAYS, WITH CEMENT TYPE V, AND WATER/CEMENT RATIO OF 0.45 UNLESS A SOILS REPORT IS PROVIDED THAT ALLOWS FOR A LOWER STRENGTH (4,000 PSI MIN.). BATCH PLANT INSPECTION NOT REQUIRED.
- CONCRETE SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS BASED ON EXPOSURE CLASS IN ACCORDANCE WITH ACI 318-19 TABLE 19.3.1.1 WHEN DETERMINED BY A SITE-SPECIFIC GEOTECHNICAL REPORT.

USE	EXPOSURE CLASS ACI TABLE 19.3.1.1	MINIMUM CONCRETE STRENGTH F_c	CEMENT TYPE ASTM C150	MAX. WATER/CEMENT RATIO W/M
□	NOT DETERMINED	4,500 PSI	TYPE V	0.45
■	F0, S0, W0, W1, CO, C1	4,000 PSI	TYPE II	N/A
□	S1, W2	4,000 PSI	TYPE II	0.50
□	C2, F3	5,000 PSI	TYPE V	0.40
□	ALL OTHER	4,500 PSI	TYPE V	0.45

- CONCRETE EXPOSED TO THAW AND FREEZE CYCLE SHALL BE AIR ENTRAINMENT PER ACI 318-19 CHAPTER 19.3.3.1.
- CONCRETE TO ATTAIN 1000 PSI PRIOR TO REMOVAL OF SHORING AND/OR INSTALLATION OF BEAMS AND PURLINS. (NOTE: A HIGHER COMPRESSIVE CONCRETE MAY BE USED TO ACHIEVE 1000 PSI SOONER. SUBMIT CONCRETE MIX DESIGN PREPARED BY A QUALIFIED LICENSED PROFESSIONAL ENGINEER FOR APPROVAL BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO BEING PLACED.)
- CONCRETE TO REACH 4000 PSI PRIOR TO INSTALLATION OF ROOF DECK. (NOTE: A HIGHER COMPRESSIVE CONCRETE MAY BE USED TO ACHIEVE 4000 PSI SOONER. SUBMIT CONCRETE MIX DESIGN PREPARED BY A QUALIFIED LICENSED PROFESSIONAL ENGINEER FOR APPROVAL BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO BEING PLACED.)
- REINFORCEMENT BARS SHALL BE ASTM A615, GR60 TYPICAL, U.N.O.
- MINIMUM CONCRETE COVER SHALL BE 2x" TO EARTH (DRILLED PIER FOUNDATIONS ONLY), 3" TO EARTH ALL OTHER CONCRETE, 2" TO EXPOSED SURFACES PER CBC TABLE 1809A.8.2
- ALL REINFORCING STEEL AND OTHER EMBEDDED ITEMS SHALL BE SECURELY POSITIONED PRIOR TO THE POURING OF CONCRETE
- ALL CONCRETE WORK SHALL COMPLY WITH ACI 301 & 318 STANDARDS.
- AGGREGATE GRADATION AND QUALITY SHALL BE IN ACCORDANCE WITH ACI 302-R.
- COLD JOINTS SHALL HAVE A ROUGHENED SURFACE. BONDING AGENT SHALL COMPLY WITH ASTM C1099 A SUBMITTAL FOR CONCRETE BONDING AGENT SHALL BE APPROVED BY DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO INSTALLATION. DSA INSPECTOR OF RECORD TO PERIODICALLY INSPECT INSTALLATION OF BONDING AGENT.
- BATCH PLANT INSPECTION NOT REQUIRED PER CBC 1705A3.3.2. SUBJECT TO:
 - A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
 - BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD. SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR OF RECORD SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, AND TIME OF RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY THE ENFORCEMENT AGENCY.
- CONCRETE MAY BE PUMPED, POURED, TALGATED, OR OTHER SUCH METHODS INTO PLACE. CONCRETE SHALL BE ALLOWED TO FREE FALL THE ENTIRE DEPTH OF THE FOUNDATION, AS INDICATED IN ACI 304R-09, CHAPTER 5, PLACEMENT OF ANY FREE-FALL CONCRETE SHALL BE SUCH THAT THE CONCRETE DOES NOT ALTER THE EMBEDMENT DEPTH OR THE CLEARANCE OF THE REINFORCING BAR CAGE OR OTHER EMBEDDED MATERIALS.

STRUCTURAL STEEL

- COLD FORMED STEEL SIZES ARE BASED ON BARE STEEL THICKNESS.
- STRUCTURAL AND COLD FORMED STEEL PURLIN, BEAM AND COLUMN MEMBERS SHALL HAVE MINIMUM STEEL YIELD STRENGTH INDICATED.
- EXPOSED STEEL FASTENERS INCLUDING CAST-IN-PLACE ANCHOR BOLTS SHALL BE EITHER HOT DIP GALVANIZED (ASTM A153, CLASS D MINIMUM), STAINLESS STEEL TYPE 304 MINIMUM OR PROTECTED WITH CORROSION PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HRS OF EXPOSURE TO SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT.
- STEEL FABRICATION SHALL COMPLY WITH LATEST AISC SPECIFICATIONS.
- HOLLOW STRUCTURAL STEEL (HSS) MEMBERS SHALL BE ASTM A1085 GRADE 50 UNLESS NOTED OTHERWISE. ASTM A1085 STEEL HAS THE SAME OR BETTER PROPERTIES AND WELDABILITY THAN ASTM A500 GRADE B.
- HOT ROLLED WIDE FLANGE STEEL SECTIONS SHALL BE ASTM A992, $F_y = 50$ KSI.
- COLD FORMED STEEL (CFS) PURLINS SHALL BE ASTM A653 SS GRADE 55 ($F_y = 55$ ksi, $F_u = 70$ ksi) OR ASTM A1011 SS GRADE 55 ($F_y = 55$ KSI, $F_u = 70$ ksi).
- STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED (MINIMUM ASTM A123 OR A153 CLASS D, AS APPLICABLE) OR PAINTED WITH ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT, OR EQUIVALENT PAINT SYSTEM. COLD-FORMED STEEL MEMBERS SHALL BE 55 PERCENT ALUMINUM-ZINC-ALLOY COATED PER ASTM A792/A792M STANDARD IN ACCORDANCE TO AISI S240 TABLE A4-1, CP 90 COATING DESIGNATION.
- BOLTS SHALL CONFORM TO THE ASTM A307 SPECIFICATIONS UNLESS NOTED OTHERWISE. INSPECTIONS ARE REQUIRED FOR ASTM VERIFICATION AND INSTALLATION. A307 BOLTS ARE NOT CONSIDERED HIGH STRENGTH BOLTS AND THUS HIGH STRENGTH BOLT TESTING IS NOT REQUIRED.
- ASTM A307 BOLTS MAY BE SUBSTITUTED WITH THE SAME NUMBER AND SIZE OF SAE J429 GRADE 2 BOLTS.
- BOLTS SHALL BE TIGHTENED TO SNUG-TIGHT CONDITION UNLESS NOTED OTHERWISE EXCEPT FOR A325-SC HIGH STRENGTH BOLTS.
- A325-SC BOLTS SHALL BE PRE-TENSIONED PER AISC SPECIFICATIONS USING APPROVED LOAD INDICATOR METHODS INCLUDING BUT NOT LIMITED TO TURN-OF-THE-NUT WITH MATCH MARKING, TWIST OFF TENSION CONTROL OR DIRECT TENSION INDICATOR BOLT BUT AND WASHER ASSEMBLIES.
- BOLTS SHALL HAVE STANDARD WASHERS UNDER THE NUT & BOLT HEAD (F48 WASHERS NOT REQUIRED). STANDARD WASHERS DO NOT REQUIRE HARDNESS TEST.
- STANDARD ROUND BOLT HOLES MAY BE USED WHERE SHORT HORIZONTALLY SLOTTED BOLT HOLES ARE SHOWN.
- HOLES FOR 1/2" DIAMETER BOLTS SHALL BE STANDARD HOLES 1/8" \varnothing TYPICAL U.N.O.
- ALL BOLTS SHALL BE PROVIDED WITH METHOD TO PREVENT NUTS FROM LOOSING. SAMPLE ACCEPTABLE METHODS ARE: LOCK WASHERS, NYLOCK NUT, SERRATED NUTS (IF NO WASHERS USED). ONLY ONE METHOD IS REQUIRED. CONTRACTOR TO IDENTIFY WHICH METHOD IS USED IN ALL SUBMITTALS TO THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
- STRUCTURAL STEEL PLATES SHALL BE ASTM A572 GRADE 50 UNLESS NOTED OTHERWISE.

SPECIAL INSPECTION

- SOILS**
 - VERIFY THE SITE HAS BEEN PREPARED PROPERLY PRIOR TO PLACEMENT OF CONTROLLED FILL AND/OR EXCAVATIONS FOR FOUNDATIONS.
 - VERIFY THAT THE FOUNDATION EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.
 - VERIFY THAT MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.
- DRILLED CONCRETE PIER FOUNDATIONS**
 - INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH PIER.
 - VERIFY LOCATIONS OF PIERS.
- CONCRETE**
 - VERIFY USE OF REQUIRED DESIGN MIX, DETERMINE THE TEMPERATURE OF THE CONCRETE, AND (WHERE REQUIRED) PERFORM AIR CONTENT TEST.
 - TEST CONCRETE (COMPRESSION TEST).
 - INSPECT PLACEMENT OF FORM WORK, REINFORCING STEEL, EMBED ITEMS, AND CONCRETE. INSPECT CURING AND FORM REMOVAL.
 - SLUMP TEST SHALL BE PERFORMED PER SITE SPECIFIC DSA-103
- STRUCTURAL STEEL**
 - VERIFY THAT ALL MATERIALS ARE APPROPRIATELY MARKED AND THAT:
 - MILL CERTIFICATES INDICATE MATERIAL PROPERTIES THAT COMPLY WITH REQUIREMENTS.
 - MATERIAL SIZES, TYPES AND GRADES COMPLY WITH REQUIREMENTS.
 - TEST UNIDENTIFIED MATERIALS.
 - HIGH STRENGTH PRE-TENSIONED SLIP CRITICAL BOLTING.
 - VERIFY MEMBER LOCATIONS, BRACING AND ALL DETAILS CONSTRUCTED IN THE FIELD.
 - VERIFY STIFFENER LOCATIONS, CONNECTION TAB LOCATIONS, AND ALL CONSTRUCTION DETAILS FABRICATED IN THE SHOP.
 - VERIFY WELD FILLER MATERIAL IDENTIFICATION MARKINGS PER AWS DESIGNATION LISTED ON THE DSA APPROVED DOCUMENTS AND THE WPS.
 - VERIFY WELD FILLER MATERIAL MANUFACTURER'S CERTIFICATE OF COMPLIANCE.
 - VERIFY WPS, WELDER QUALIFICATIONS, AND EQUIPMENT.
 - INSPECT GROOVE, MULTI-PASS, AND FILLET WELDS > 1/2" (BOTH SHOP AND FIELD WELDS).
- SHOP FABRICATION**
 - VERIFY FABRICATOR'S FABRICATION AND QUALITY CONTROL PROCEDURES.
 - VERIFY ALL ASPECTS OF SHOP FABRICATION INCLUDING MEMBER LOCATIONS, DIMENSIONAL LAYOUT OF ALL PARTS, BOLTING, ETC.
- REFER TO DSA APPROVED FORM 103 FOR ADDITIONAL REQUIREMENTS.

GENERAL NOTES

- DESIGN PER 2022 C.B.C. AND ITS PRESCRIBED LOADING AND MATERIAL SPECIFICATIONS:
 - ASCE 7-16
 - 15TH EDITION AISC STEEL CONSTRUCTION MANUAL
 - 2016 AISI COLD FORMED STEEL STANDARD
 - ACI 318-19
 - ASTM 341-16
- THE PC STRUCTURES ARE NOT DESIGNED TO BE, NOR SHALL THEY BE, ENCLOSED.
- ALL DIMENSIONS, CONDITIONS, AND ELEVATIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK OR FABRICATION. IF ANY DISCREPANCIES ARE FOUND OR IF ANY CONDITION EXISTS NOT AS SHOWN ON THE DRAWINGS THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY.
- OWNER TO SIGN AUTHORIZATION TO PROCEED PRIOR TO DRILLING. SEE EXAMPLE BELOW:



Authorization to Proceed

Project Name: _____ Foreman: _____
 Site Name: _____ Contractor: _____

As an authorized representative of Contractor listed above, I agree to the following statements below:

_____(initials) **LAYOUT:** The onsite layout for installation of structural steel for carports and canopies has been inspected and is approved as is.

_____(initials) **ARRAY ORIENTATION/CONCRETE POUR:** The tilt and direction of the canopies have been verified and are approved as is.

ARRAYS:

BY: _____ DATE: _____
 (signature) www.mbarconline.com

It is understood that additional costs will apply due to the following delays: re-layout not due to M Bar C underground site conflicts (unmarked utility lines, including but not limited to water, sewer, fire, irrigation, electrical, encountered underground water; change in soils condition, including but not limited to hard drilling, caving soils, obstructions).



BID INFORMATION
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PRE-CHECK (PC) DOCUMENT
 CODE: 2022 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-122015_PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 11/09/2023

SITE SPECIFIC INFORMATION

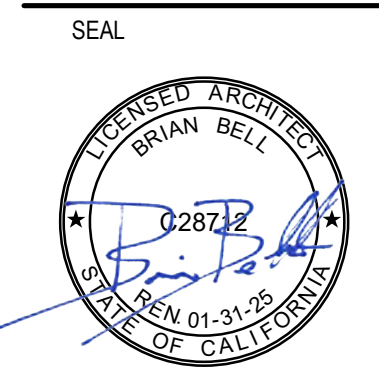
REVISIONS

MARK	DATE	DESCRIPTION

4 STEL JOB # MC05-02-1
 DATE 11-01-23
 DRAWN BY NML
 CHECKED CDL

GENERAL NOTES
S-3

NOTE: IF DWG. IS NOT 24 X 36, IT IS NOT FULL SIZE.



PROJECT
LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
	12/01/2023	DSA APPROVAL

MANAGEMENT
 LIONAKIS PROJECT NO: 023041
 DSA APPLICATION NO: 02-121593
 CLIENT PROJECT NO:
 COPYRIGHT: LIONAKIS 2022

TITLE
GENERAL NOTES

SHEET
S-3

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number: 04-122015 School Name: M Bar C Inc Multipurpose Canopy 22 PC School District: N/A
 DSA File Number: 2023-11-08 15:50:31 Date Created:

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

Geotechnical Reports: Project has a geotechnical report, or CDs indicate soils special inspection is required by GE

Test or Special Inspection	Type	Performed By	Code References and Notes
S1. GENERAL:			
a. Verify that: - Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. - Foundation excavations are extended to proper depth and have reached proper material. - Materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) form for exemptions.)

Test or Special Inspection	Type	Performed By	Code References and Notes
C1. CAST-IN-PLACE CONCRETE			
a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) form for exemptions.)
c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
d. Test concrete (f'c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
e. Batch plant inspection: Periodic	See Notes	SI	Default of "Continuous" per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to "Periodic" subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) form for exemptions.)

Test or Special Inspection	Type	Performed By	Code References and Notes
S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
a. Verify identification of all materials and: - Mill certificates indicate material properties that comply with requirements. - Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a-3c, 2202A.1; AISI S100-20 Section A3.1 & A3.2; AISI S240-20 Section A3 & A5; AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
b. Test unidentified materials	Test	LOR	2202A.1.
c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).

Test or Special Inspection	Type	Performed By	Code References and Notes
S/A2. HIGH-STRENGTH BOLTS:			
a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	Periodic	SI	Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
b. Test high-strength bolts, nuts and washers.	Test	LOR	Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-8.
d. Pretensioned and slip-critical connections.	*	SI	Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. **"Continuous" or "Periodic" depends on the tightening method used.

Test or Special Inspection	Type	Performed By	Code References and Notes
S/A3. WELDING:			
a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items Sa.1-4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):			
a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items Sa.1-4; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
b. Inspect single-pass fillet welds ≤ 5/16".	Periodic	SI	Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
S/A6. NONDESTRUCTIVE TESTING:			
a. Ultrasonic	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
b. Magnetic Particle	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.

- Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293
- Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
- Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
- Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
- Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
- High-Strength Bolt Installation Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

1. SAMPLE DSA 103 - STRUCTURES WITH PIER OR SPREAD FOUNDATIONS

THE EXAMPLE DSA-103 FORMS SHOWN ON THIS SHEET ARE GUIDES ONLY FOR COMPLETING PROJECT SPECIFIC DSA-103 FORMS. FORM DSA-103 IS REQUIRED TO BE COMPLETED FOR EACH DSA APPLICATION THAT INCORPORATES THE PC AND ALL EXAMPLE DSA-103 FORMS ARE TO BE VOIDED ON THIS SHEET.



ENGINEER'S APPROVAL



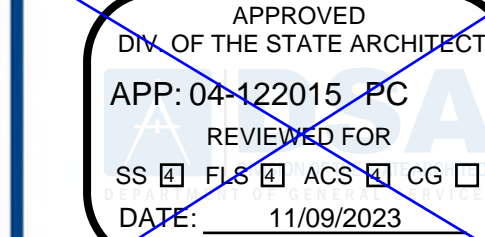
BID INFORMATION

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PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED



SITE SPECIFIC INFORMATION

REVISIONS

MARK	DATE	DESCRIPTION

4 STEL JOB # MC05-02-1

DATE 11-01-23

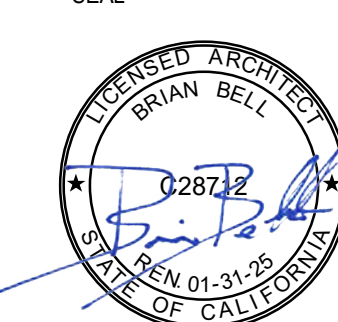
DRAWN BY NML

CHECKED CDL

EXAMPLE DSA-103 FORMS

S-4

SEAL



PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
	12/01/2023	DSA APPROVAL

MANAGEMENT

LIONAKIS PROJECT NO: 023041
 DSA APPLICATION NO: 02-121593
 CLIENT PROJECT NO:
 COPYRIGHT: LIONAKIS 2022

TITLE
**EXAMPLE DSA-103
 FORMS**

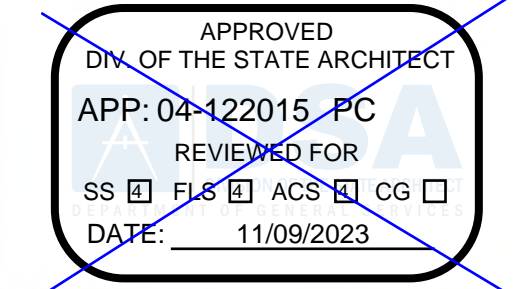
SHEET

S-4



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PRE-CHECK (PC) DOCUMENT
 CODE: 2022 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



SITE SPECIFIC INFORMATION

REVISIONS

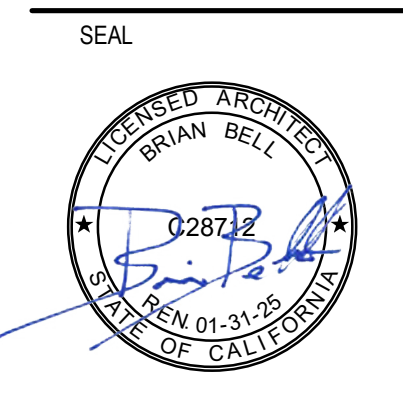
MARK	DATE	DESCRIPTION

4 STEEL JOB # MC05-02-1
 DATE 11-01-23
 DRAWN BY NML
 CHECKED CDL

SECTION PROPERTIES & REBAR DETAILS

S-5

NOTE: IF DIMS. IS NOT 24 X 36, IT IS NOT FULL SIZE.



PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
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MANAGEMENT

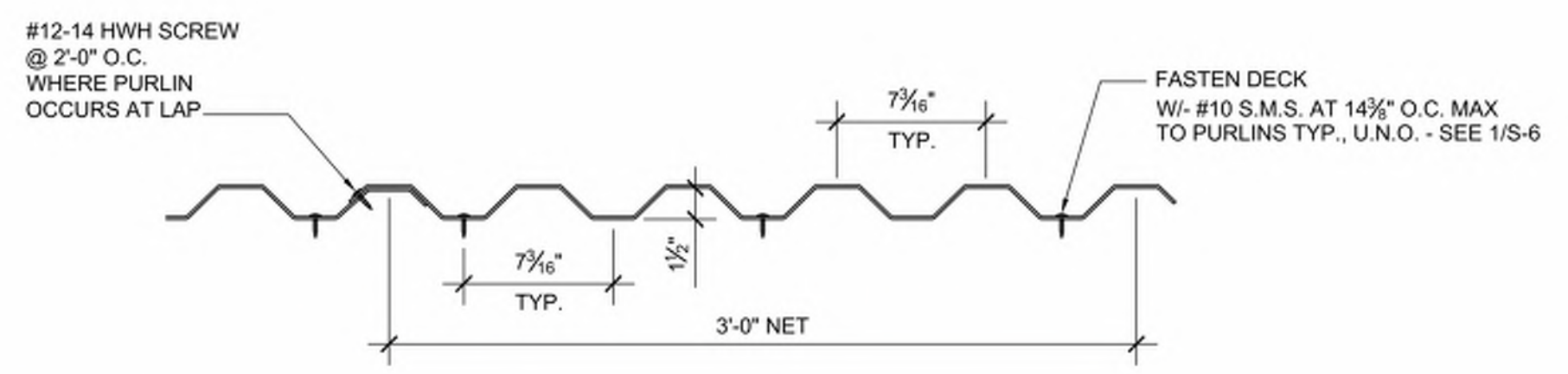
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DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	
COPYRIGHT:	LIONAKIS 2022

TITLE
**SECTION PROPERTIES
 & REBAR DETAILS**

ROOF DECK SPECIFICATIONS

SECTION PROPERTIES	TOP IN COMPRESSION		BOTTOM IN COMPRESSION			
	L _x (in ⁴)	S _x (in ³)	L _y (in ⁴)	S _y (in ³)		
GA	F _y (ksi)	WEIGHT (lb/ft)	L _x (in ⁴)	S _x (in ³)	L _y (in ⁴)	S _y (in ³)
26	80	0.93	0.0613	0.0676	0.0577	0.0575

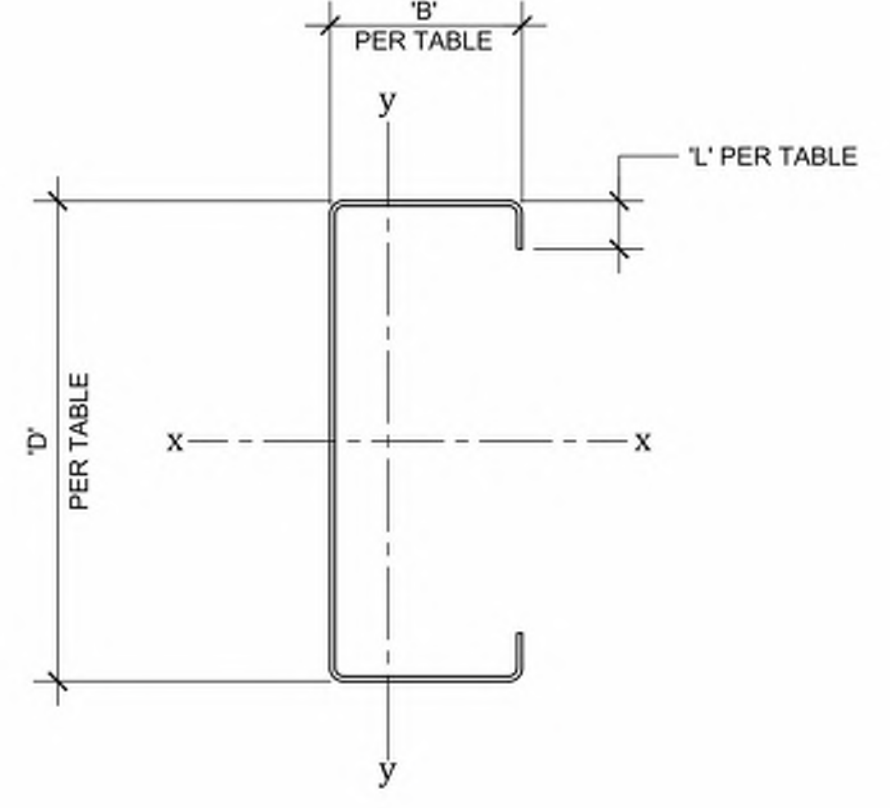
- NOTES:**
- MATERIAL AND SECTION PROPERTIES LISTED ABOVE ARE MINIMUM REQUIRED VALUES FOR METAL DECK BASED ON MCELROY MEGARIB 26 GA.
 - METAL ROOF DECK SHALL BE CLASS A PER CBC CHAPTERS 7A AND 15.
 - ACTUAL MANUFACTURER'S PROPERTIES MUST MEET OR EXCEED MCELROY STANDARD PROPERTIES.



1 DECK DETAIL
 N.T.S.

SECTION NAME	GA	D (in)	B (in)	L (in)	WT (lb/ft)	A (in ²)	AXIS X-X			AXIS Y-Y		
							I _x (in ⁴)	S _x (in ³)	r _x (in)	I _y (in ⁴)	S _y (in ³)	r _y (in)
C 10 x 4 x 0.071	14	10	4	1.0	4.72	1.388	21.96	3.424	3.977	3.009	1.086	1.472

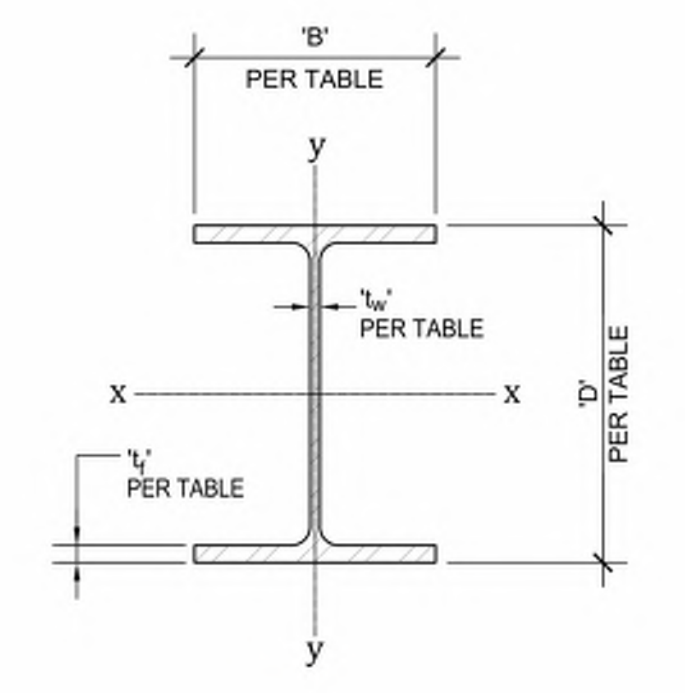
- NOTES:**
- COLD FORMED STEEL (CFS) PURLINS AND BEAMS MATERIAL SHALL CONFORM TO ASTM A653 SS GRADE 55 (F_y = 55 KSI, F_t = 70 KSI) OR ASTM A1011 SS GRADE 55 (F_y = 55 KSI).
 - COLD FORMED STEEL (CFS) DESIGNED PER 2016 AISI SPECIFICATIONS AND AISI COLD-FORMED STEEL DESIGN MANUAL.
 - CFS SECTION PROPERTIES LISTED ABOVE ARE MINIMUM SECTION PROPERTIES REQUIRED PER THE LATEST STEEL FRAMING INDUSTRY ASSOCIATION (SFA) PRODUCT TECHNICAL GUIDE. ACTUAL MANUFACTURER'S PROPERTIES MUST MEET OR EXCEED SFA PROPERTIES.



4 PURLINS
 N.T.S.

SECTION NAME	D (in)	B (in)	t _w (in)	t _f (in)	WT (lb/ft)	A (in ²)	AXIS X-X			AXIS Y-Y		
							I _x (in ⁴)	S _x (in ³)	r _x (in)	I _y (in ⁴)	S _y (in ³)	r _y (in)
W12 x 40	11.9	8.01	0.295	0.515	40	11.70	307	51.5	5.13	44.1	11.0	1.94
W12 x 72	12.3	12	0.43	0.67	72	21.1	597	97.4	5.31	195	32.4	3.05

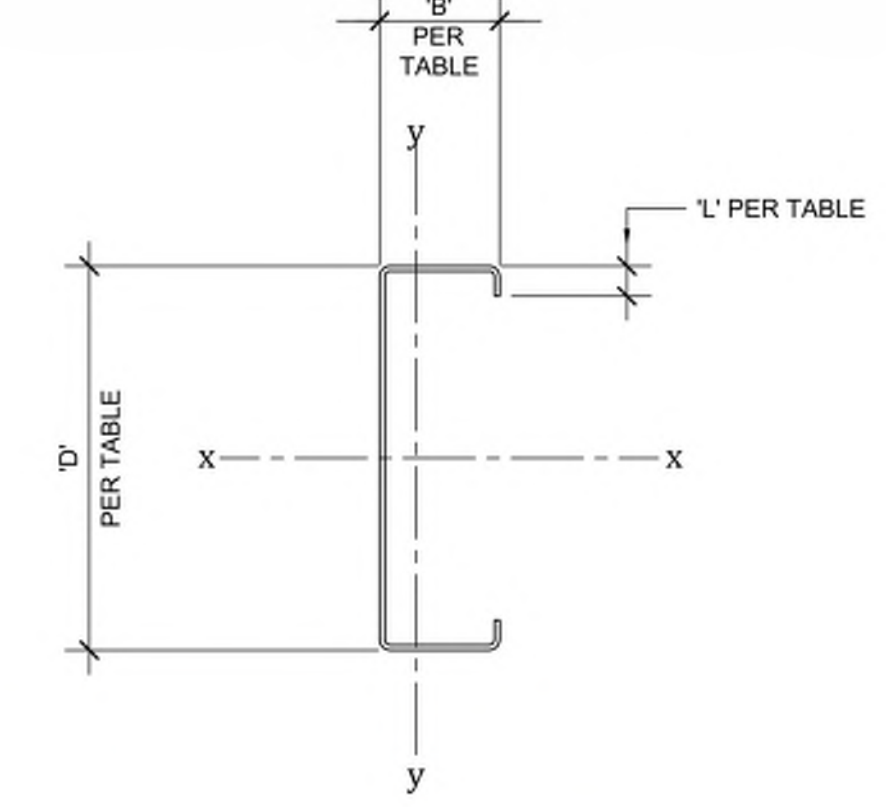
- NOTES:**
- WF BEAMS SHALL CONFORM TO ASTM A992, F_y = 50 ksi.



5 BEAMS
 N.T.S.

SECTION NAME	GA	D (in)	B (in)	L (in)	WT (lb/ft)	A (in ²)	AXIS X-X			AXIS Y-Y		
							I _x (in ⁴)	S _x (in ³)	r _x (in)	I _y (in ⁴)	S _y (in ³)	r _y (in)
CS7 x 2.5 x 0.057	16	7	2.5	0.625	2.471	0.726	5.462	1.288	2.743	0.590	0.334	0.902

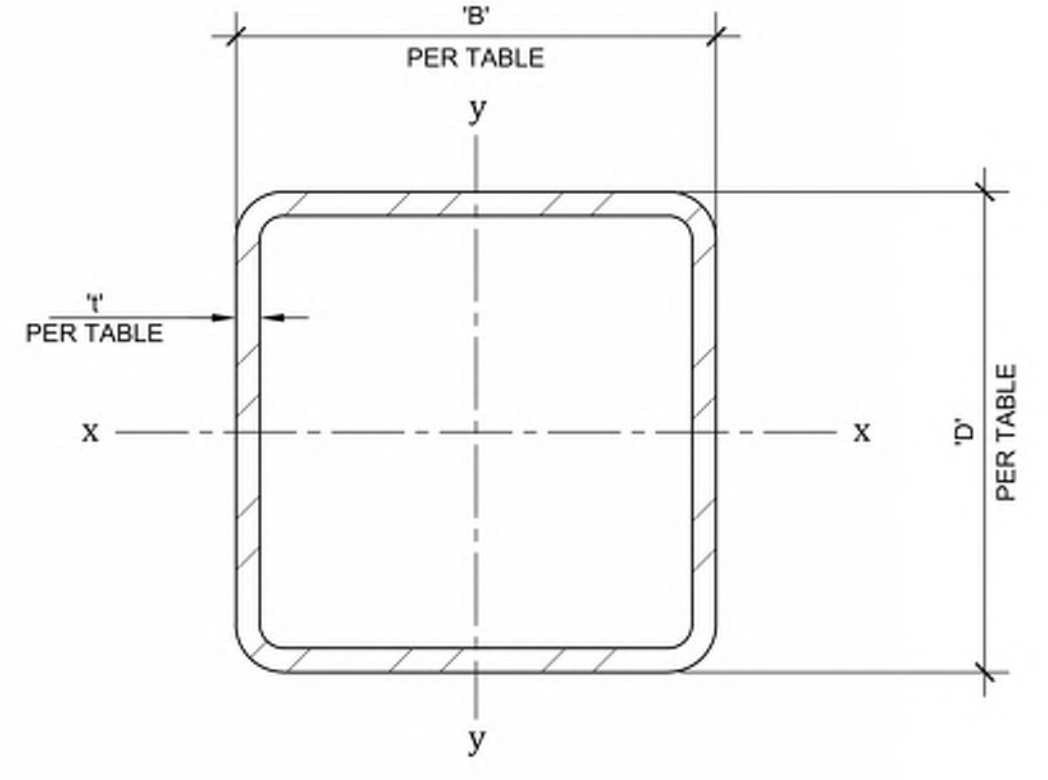
- NOTES:**
- COLD FORMED STEEL (CFS) PURLINS AND BEAMS MATERIAL SHALL CONFORM TO ASTM A653 SS GRADE 55 (F_y = 55 KSI, F_t = 70 KSI) OR ASTM A1011 SS GRADE 55 (F_y = 55 KSI, F_t = 70 KSI).
 - COLD FORMED STEEL (CFS) DESIGNED PER 2016 AISI SPECIFICATIONS AND COLD-FORMED STEEL DESIGN MANUAL.
 - CFS SECTION PROPERTIES LISTED ABOVE ARE MINIMUM SECTION PROPERTIES REQUIRED PER THE LATEST STEEL FRAMING INDUSTRY ASSOCIATION (SFA) PRODUCT TECHNICAL GUIDE. ACTUAL MANUFACTURER'S PROPERTIES MUST MEET OR EXCEED SFA PROPERTIES.



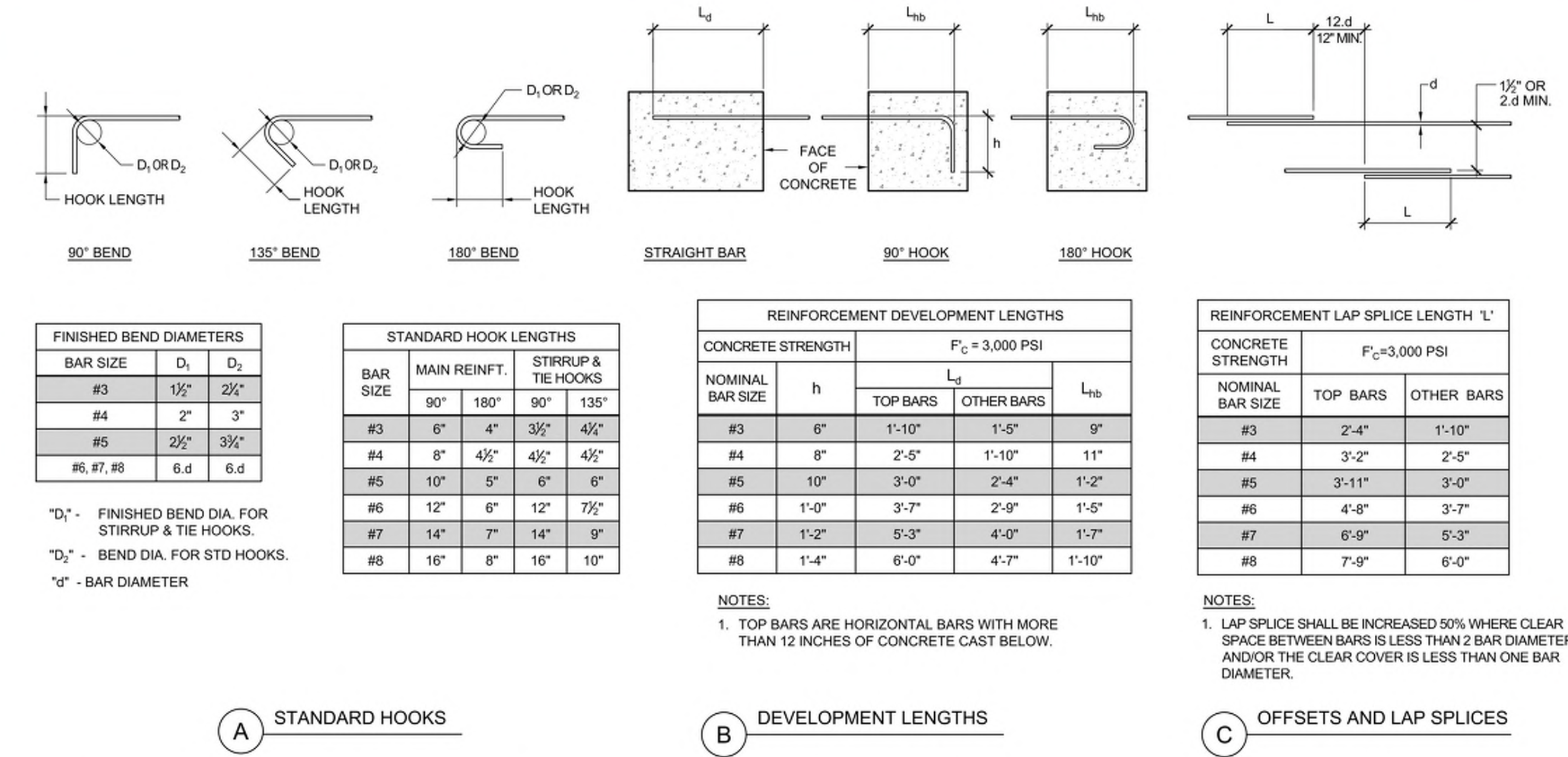
2 PURLIN BLOCKING
 N.T.S.

SECTION NAME	D (in)	B (in)	t (in)	WT (lb/ft)	A (in ²)	AXIS X-X			AXIS Y-Y		
						I _x (in ⁴)	S _x (in ³)	r _x (in)	I _y (in ⁴)	S _y (in ³)	r _y (in)
HSS 10 x 10 x 1/4	10	10	0.25	32.63	9.59	151	30.2	3.97	151	30.2	3.97
HSS 10 x 10 x 3/16	10	10	0.3125	40.35	11.90	184	36.8	3.93	184	36.8	3.93
HSS 12 x 12 x 3/8	12	12	0.375	58.10	17.10	380	63.3	4.71	380	63.3	4.71
HSS 12 x 12 x 1/2	12	12	0.500	76.07	22.40	486	81.0	4.66	486	81.0	4.66

- NOTES:**
- HSS COLUMNS SHALL CONFORM TO ASTM A1085, F_y = 50 ksi.



6 COLUMNS
 N.T.S.



3 TYPICAL REINFORCEMENT BAR BENDS AND LAPS
 N.T.S.

STEEL ENGINEERING
 26030 ACERO
 MISSION VIEJO, CA 92691
 949.305.1150 | FAX 949.305.1420

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 1570 LA COCA
 SACRAMENTO, CA 95811
 PHONE: (916) 744-6333
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 WWW.MBARCONSTRUCTION.COM

ENGINEER'S APPROVAL
 REGISTERED PROFESSIONAL ENGINEER
 KATHRYN K. JOSEPH
 S 5885

BID INFORMATION
 THE STRUCTURES AND DESIGNS IN THIS PC ARE PROPRIETARY TO M BAR C CONSTRUCTION, INC. AND 4 S T E L ENGINEERING, INC. ALL SITES USING THIS PC: M BAR C CONSTRUCTION, INC. SHALL BE THE STEEL CONTRACTOR & 4 S T E L ENGINEERING, INC. SHALL BE THE SEOR. SEE THE STANDARD NOTES FOR PC USE ON S-1 FOR ADDITIONAL REQUIREMENTS.

PRE-CHECK (PC) DOCUMENT
 CODE: 2022 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-122015-PC
 REVIEWED FOR: ACS
 DATE: 11/09/2023

SITE SPECIFIC INFORMATION

REVISIONS

MARK	DATE	DESCRIPTION

4 STEEL JOB # MC05-02-1

DATE 11-01-23

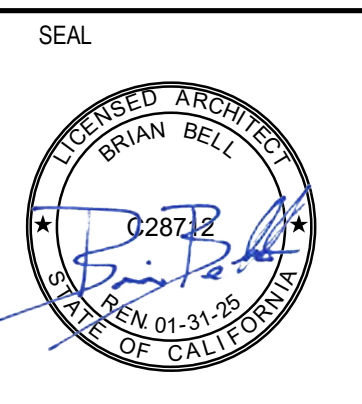
DRAWN BY NML

CHECKED CDL

FRAMING PLAN

S-6

NOTE: IF DWG. IS NOT 24 X 36, IT IS NOT FULL SIZE



PROJECT
LUTHER BURBANK HIGH SCHOOL ATHLETIC FIELDS RENOVATION

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

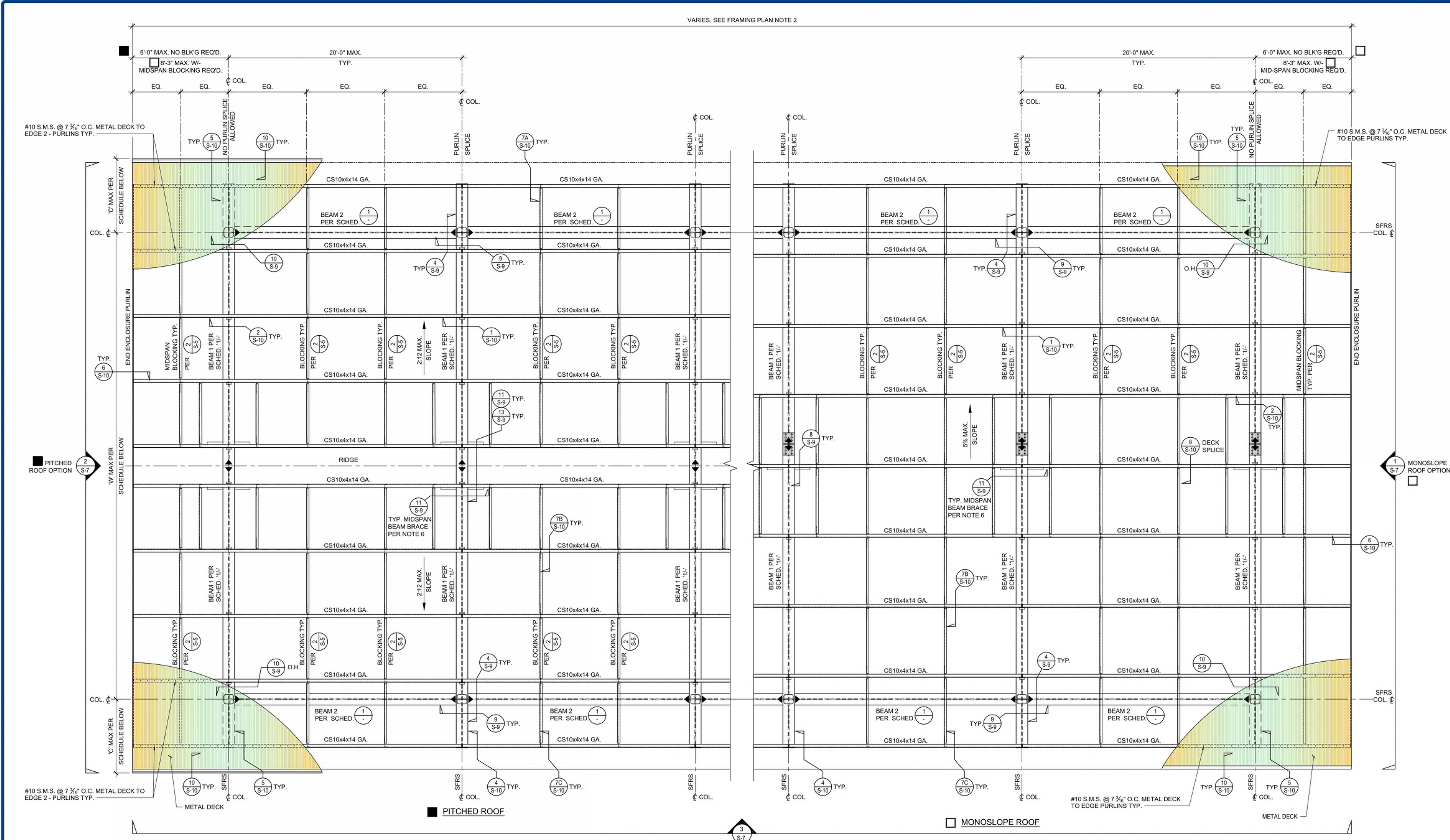
CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
	12/01/2023	DSA APPROVAL

MANAGEMENT

LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	
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1 FRAMING PLAN
 1/4" = 1'-0"

1 BEAM & COLUMN SCHEDULE

STRUCTURE OPTION ID#	W' MAX.	C' MAX.	MAX. COLUMN HEIGHT	BEAM 1 (6)	BEAM 2	COLUMN
M1	40'-0"	6'-0"	21'-0"	W12 x 40	W12 x 40	HSS 10 x 10 x 3/8
M2	40'-0"	6'-0"	23'-0"	W12 x 40	W12 x 40	HSS 10 x 10 x 3/8
M3	66'-0"	10'-0"	21'-0"	W12 x 72	W12 x 72	HSS 12 x 12 x 3/8
M4	66'-0"	10'-0"	23'-0"	W12 x 72	W12 x 72	HSS 12 x 12 x 3/8

- FRAMING PLAN NOTES:**
- REFER TO SHEET 'S-2' FOR CANOPY CONSTRUCTION OPTIONS.
 - MAXIMUM CANOPY LENGTH SHALL BE SITE SPECIFIC DETERMINED TO CONFORM WITH CONSTRUCTION TYPE NOTES ON SHEET 'S-2'.
 - REFER TO SHEET S-5 FOR COLUMN, BEAM, PURLIN, AND BLOCKING SECTION PROPERTIES.
 - METAL ROOF DECK SHALL BE CLASS A PER CBC CHAPTERS 7A AND 15.
 - REFER TO DETAIL '12/S-10' FOR ALLOWABLE PURLIN PENETRATIONS.
 - BEAM MIDSPAN BRACE REQUIRED PER DETAIL '3/S-9', '11/S-9' AND '13/S-9'.
 - DECK MUST SPAN CONTINUOUSLY OVER FOUR OR MORE PURLINS WITH OR WITHOUT A CANTILEVER.
 - FASTEN DECK w/ #10 S.M.S. @ 14 3/4" O.C. TO PURLINS TYP. U.N.O.
 - PURLIN ATTACHMENT PER DETAILS 1/S-10, 2/S-10.

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BM1901023041_S0603041_ARCHITECT_ECOL_CENTRAL.rvt

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 DIV. OF THE STATE ARCHITECT
 APP: 02-121593 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 12/18/2023

LIONAKIS

2025 Nineteenth Street
 Sacramento CA 95818
 P 916.558.1900 F 916.558.1919
 www.lionakis.com

CONSULTANT

4 STEEL ENGINEERING
 26030 ACERO,
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 WWW.MBARCCONSTRUCTION.COM

ENGINEER'S APPROVAL

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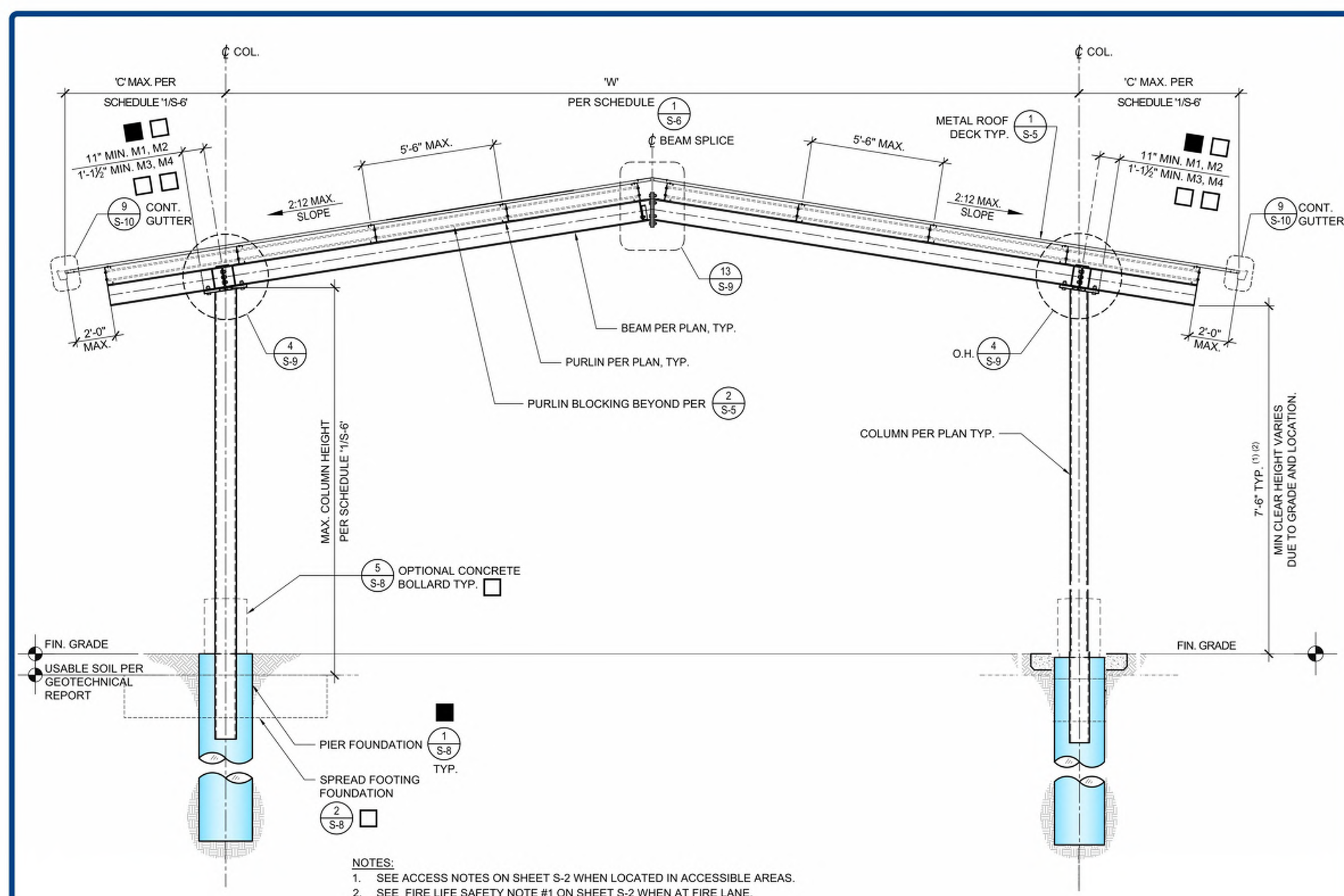
REVISIONS		
MARK	DATE	DESCRIPTION

4 STEEL JOB # MC05-02-1
 DATE 11-01-23
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 CHECKED CDL

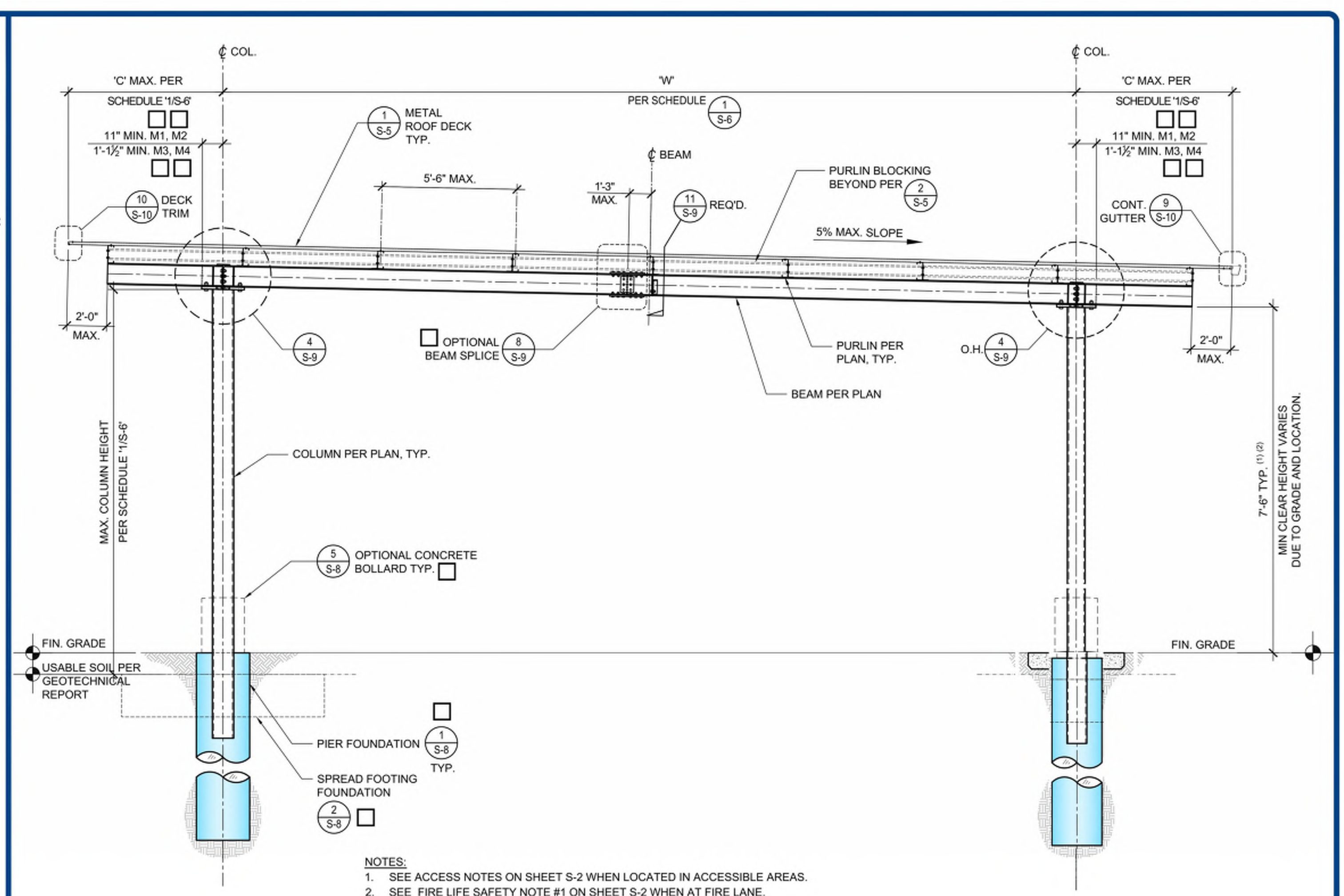
FRAMING ELEVATIONS

S-7

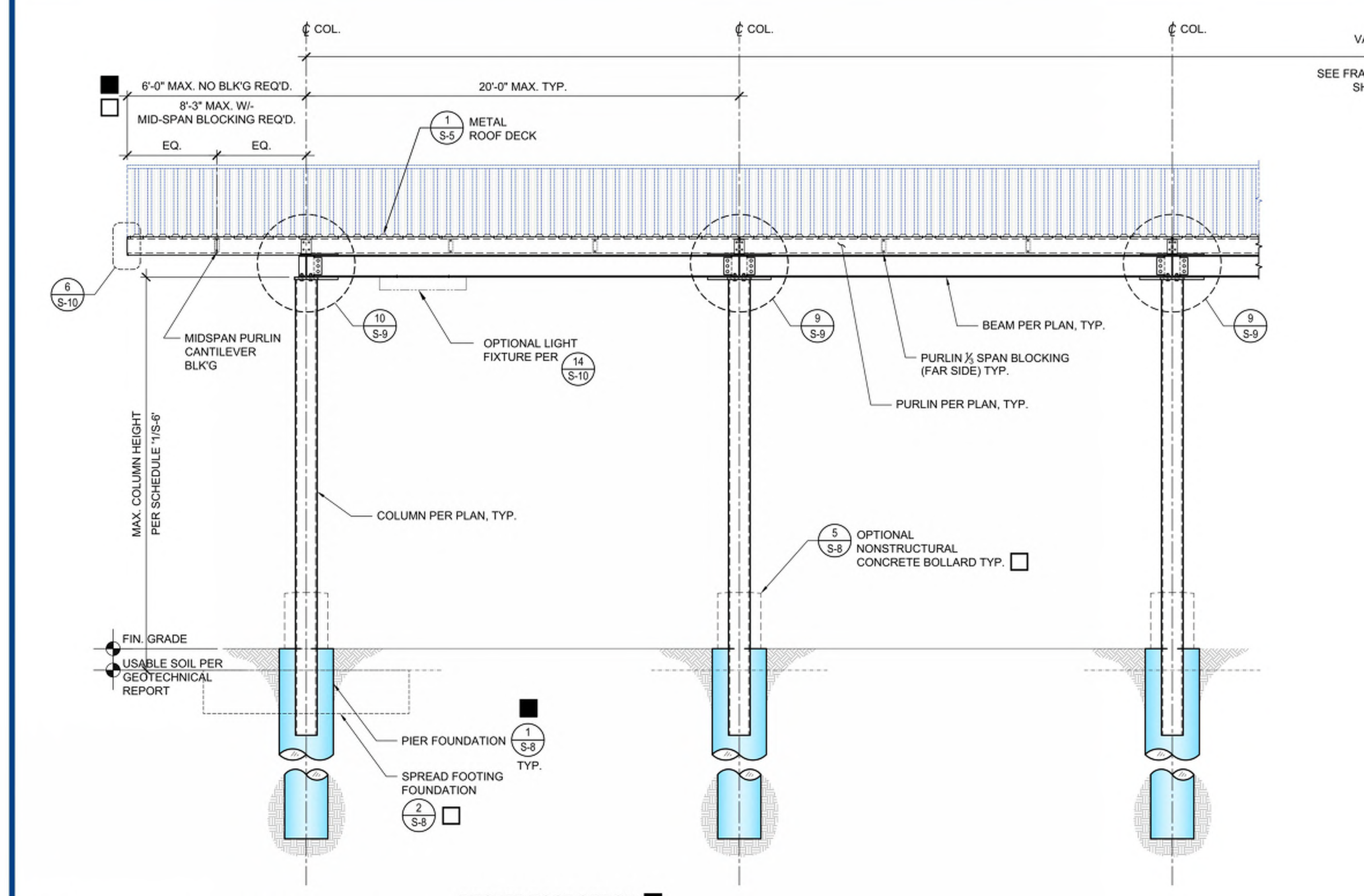
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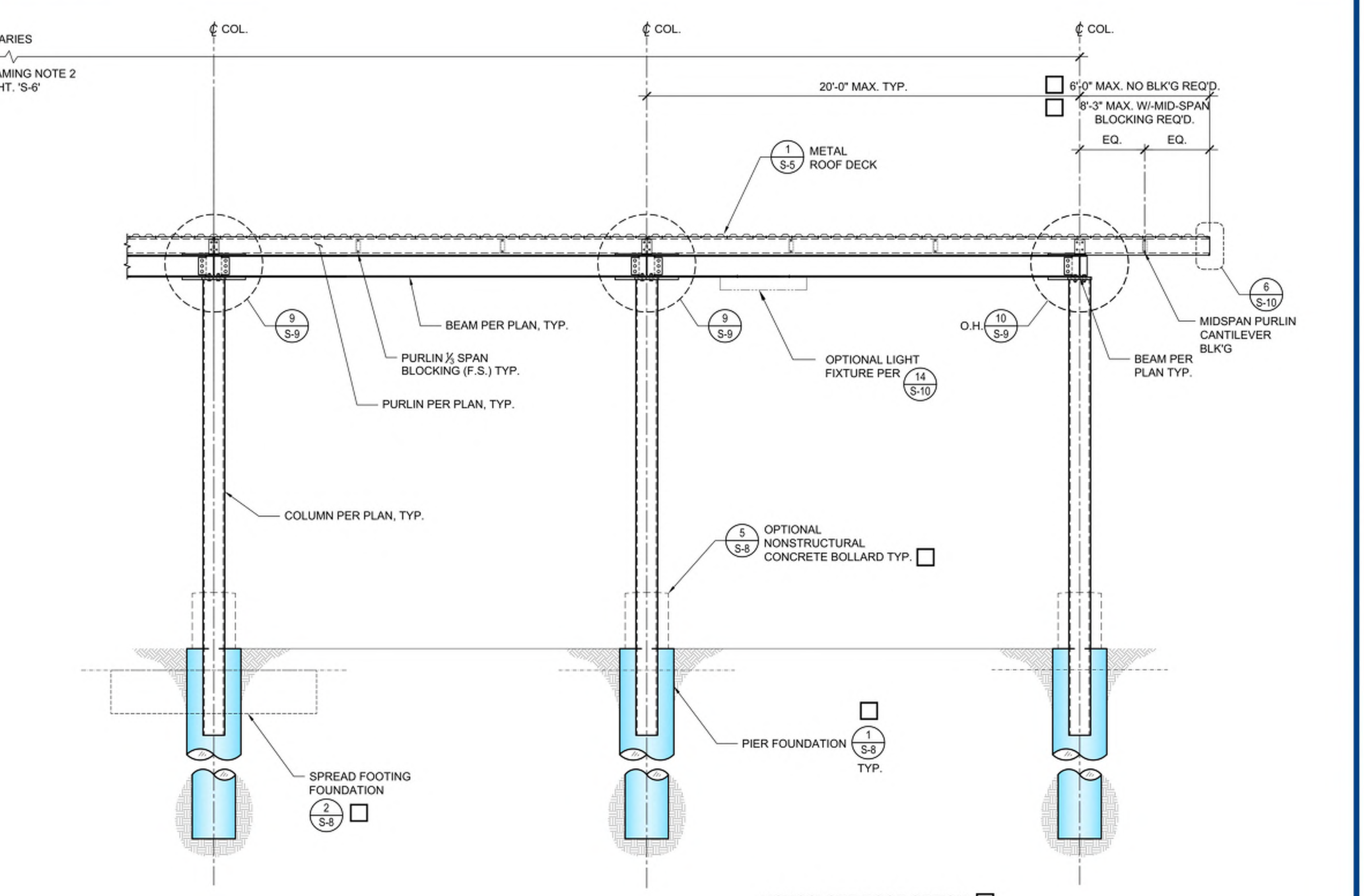
2 END ELEVATION - PITCHED ROOF OPTION
 1/4"=1'-0"



1 END ELEVATION - MONOSLOPE ROOF OPTION
 1/4"=1'-0"



3 TYPICAL SIDE ELEVATION
 PITCHED ROOF OPTION
 1/4"=1'-0"



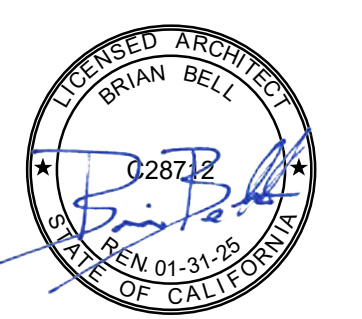
MONOSLOPE ROOF OPTION
 1/4"=1'-0"

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BM 190.020241 - SQUARED Burbank HS Plans 02/04/24 - ARCHITECT: EOL CENTRAL.V1

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SEAL



PROJECT
 LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
	12/01/2023	DSA APPROVAL

MANAGEMENT
 LIONAKIS PROJECT NO: 023041
 DSA APPLICATION NO: 02-121593
 CLIENT PROJECT NO:
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TITLE
 FRAMING ELEVATIONS

SHEET
 S-7

STEL ENGINEERING
 28030 ACERO,
 MISSION VIEJO, CA 92691
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MBARC CONSTRUCTION INC.
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 PHONE: (916) 744-4333
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	12/01/2023	DSA APPROVAL

REVISIONS

MARK	DATE	DESCRIPTION
4		STEL JOB # MC05-02-1
		DATE 11-01-23
		DRAWN BY NML
		CHECKED CDL

FOUNDATION DETAILS

S-8

TITLE
FOUNDATION DETAILS

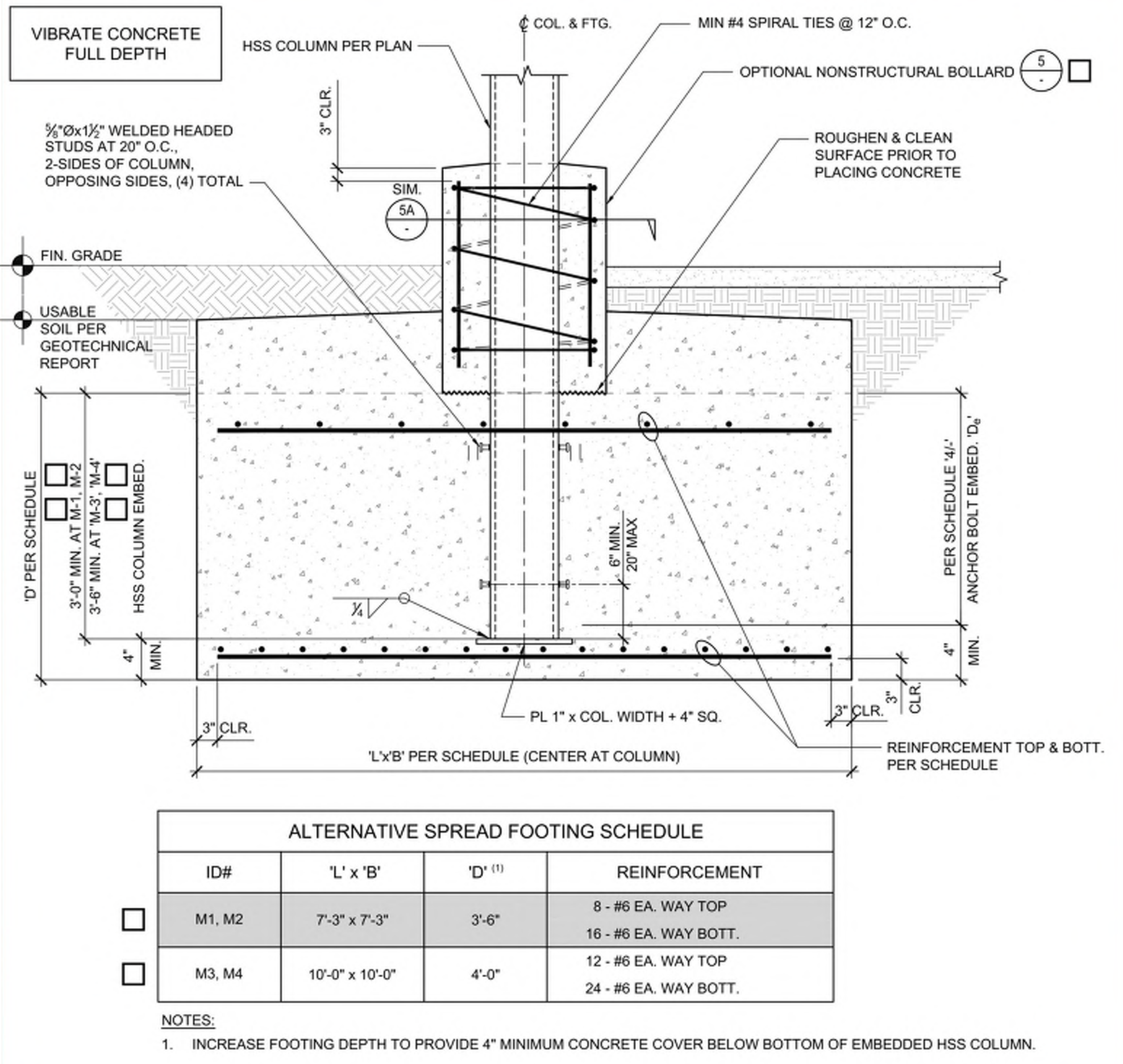
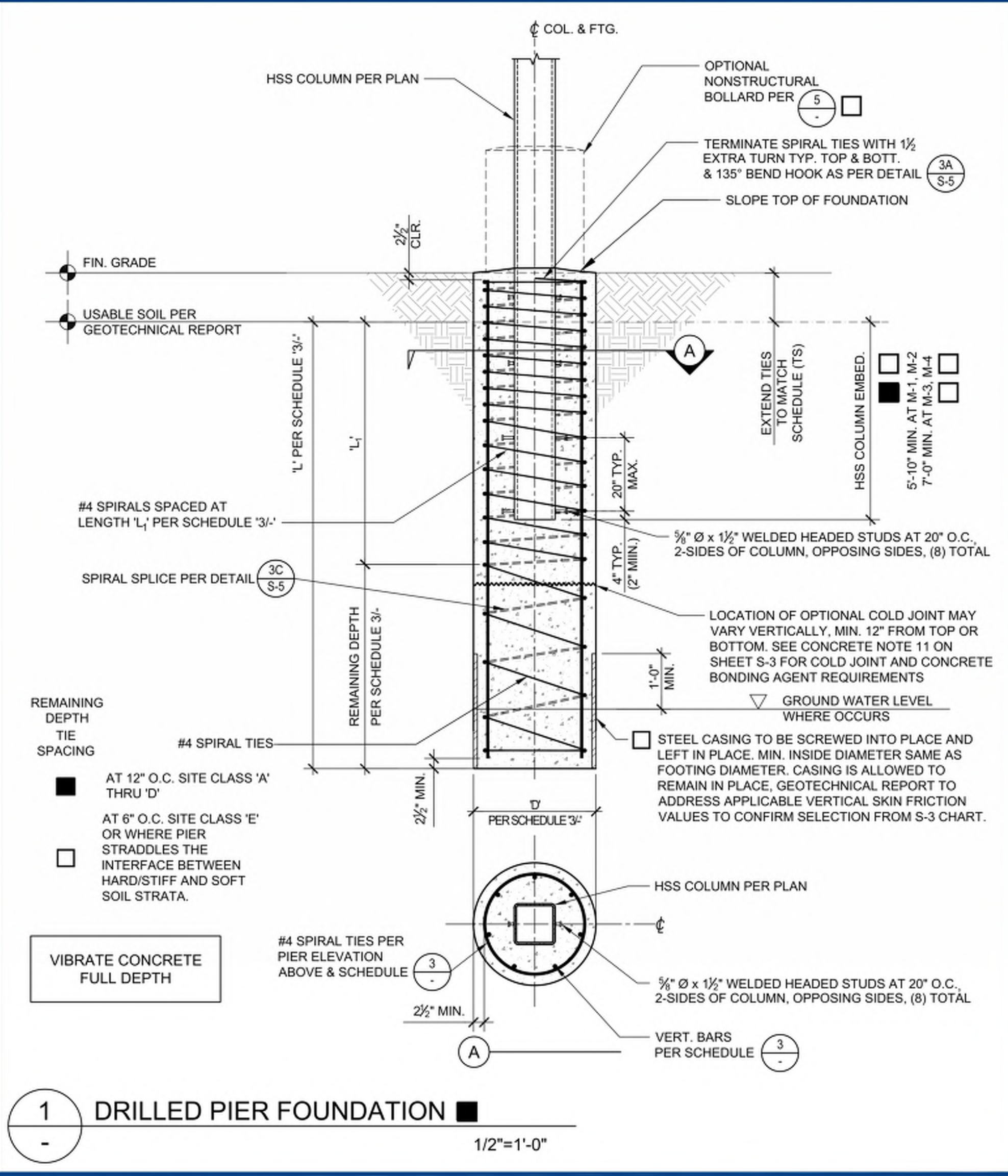
NOTE: IF DWG. IS NOT 24 x 36, IT IS NOT FULL SIZE

PROJECT
**LUTHER BURBANK HIGH SCHOOL
 ATHLETIC FIELDS RENOVATION**

3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

MANAGEMENT
 LIONAKIS PROJECT NO: 023041
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 CLIENT PROJECT NO:
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ALTERNATIVE SPREAD FOOTING SCHEDULE

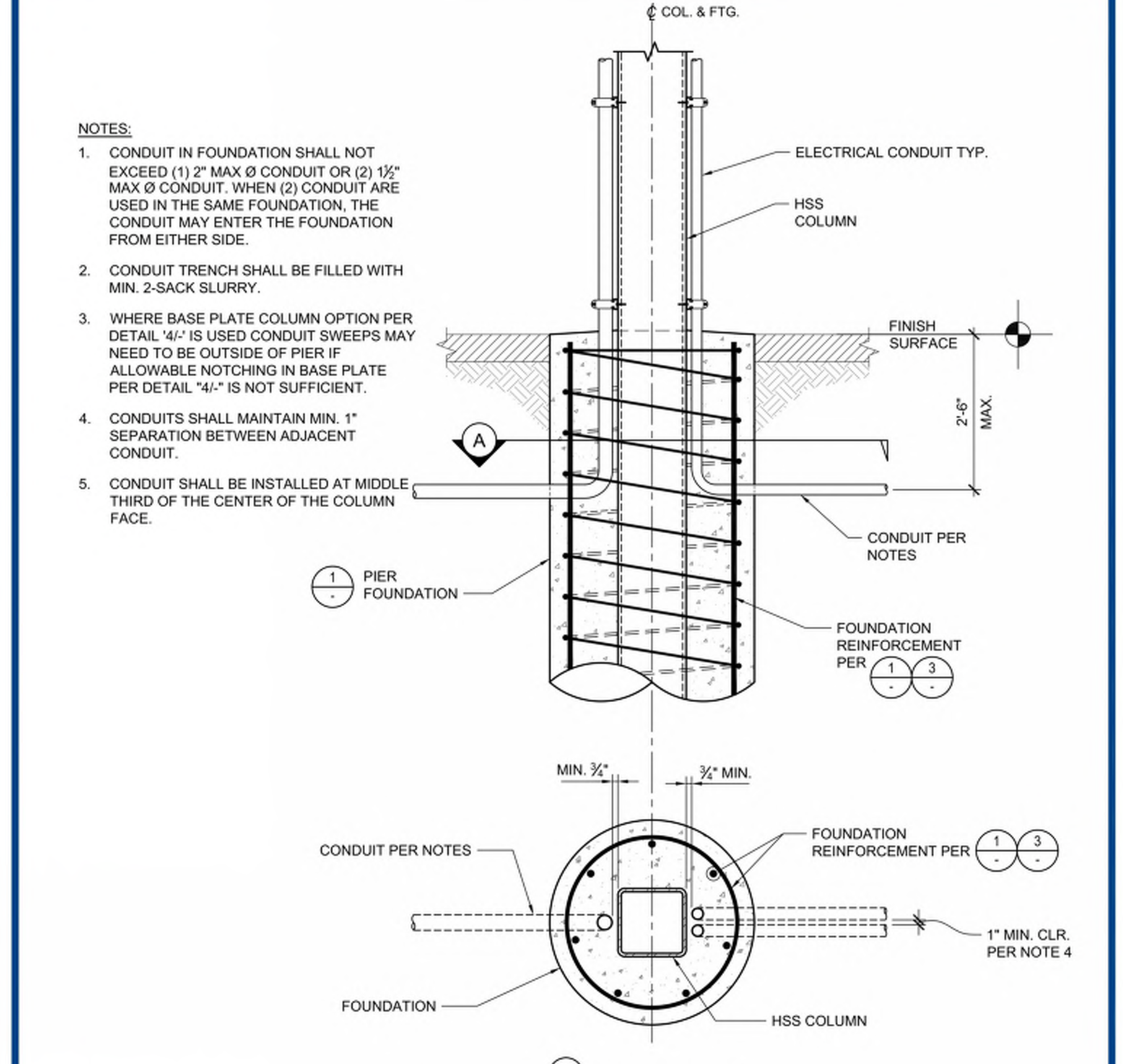
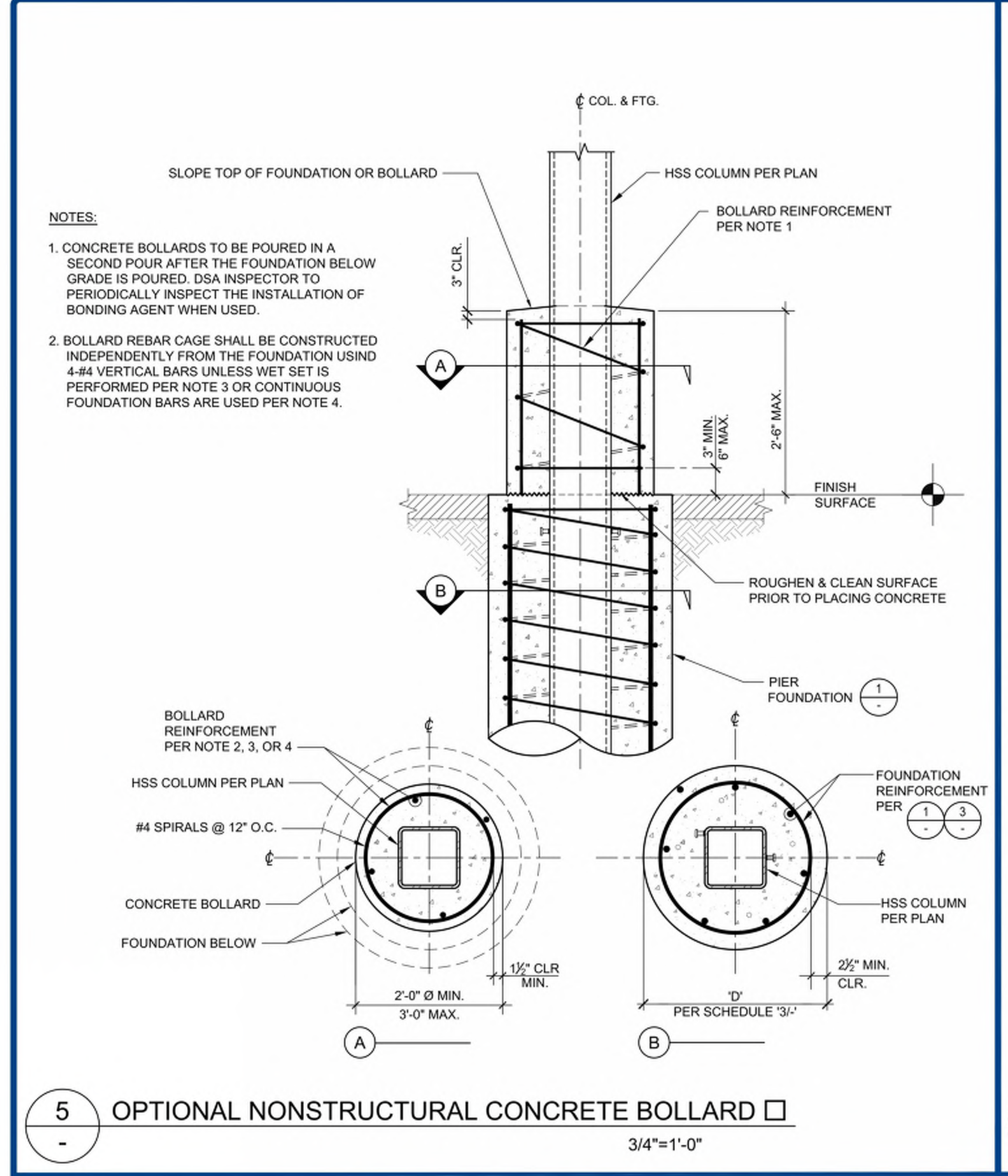
ID#	'L' x 'B'	'D' (1)	REINFORCEMENT
M1, M2	7'-3\" x 7'-3\"	3'-6\"	8 - #6 EA. WAY TOP 16 - #6 EA. WAY BOTT.
M3, M4	10'-0\" x 10'-0\"	4'-0\"	12 - #6 EA. WAY TOP 24 - #6 EA. WAY BOTT.

NOTES:
 1. INCREASE FOOTING DEPTH TO PROVIDE 4\"/>

DRILLED CONCRETE PIER FOUNDATION SCHEDULE (5, 6)

I.D. #	DRILLED PIER DIAMETER	DRILLED PIER DEPTH 'L' BELOW FINISH GRADE BY SOIL CLASS PER SHEET S-3 (5)					EMBEDDED COLUMN VERTICAL REBAR (2)	#4 SPIRAL TIES SPACING OVER 'L', SITE CLASS A-D 'L', (3)	TIE SPACING	SITE CLASS	
		V	W	X	Y	Z				A-D	E
M1	30 (in)	11'-6\"	8'-9\"	7'-6\"	6'-9\"	5'-9\"	6 - #8	7'-6\"	6\"	12\"	6\"
M2	30 (in)	11'-9\"	9'-0\"	7'-9\"	7'-0\"	6'-0\"	6 - #8	7'-6\"	6\"	12\"	6\"
M3	36 (in)	15'-6\"	11'-9\"	10'-0\"	9'-0\"	7'-9\"	7 - #8	9'-0\"	6\"	12\"	6\"
M4	36 (in)	15'-9\"	12'-0\"	10'-3\"	9'-3\"	7'-9\"	7 - #8	9'-0\"	6\"	12\"	6\"

FOUNDATION SCHEDULE NOTES:
 1. REFER TO FOUNDATION DETAILS ON THIS SHEET.
 2. REINFORCING STEEL SHALL COMPLY WITH ASTM A615 GRADE 60.
 3. DISTANCE 'L', FOR UPPER TIE SPACING DOES NOT EXCEED PIER DEPTH 'L'.
 4. VERTICAL REBAR WHEN ANCHOR BOLT DETAIL 4'- IS USED.
 5. MAXIMUM EMBEDMENT ALLOWED 'L':
 30 (in) = 20'-0\"
 36 (in) = 24'-0\"
 6. WHEN NO GEOTECHNICAL REPORT IS PROVIDED USE SOIL CLASS V.



6 CONDUIT IN FOUNDATION ■
 3/4"=1'-0"

3 DRILLED CONCRETE PIER FOUNDATION SCHEDULE ■
 NO SCALE

1 DRILLED PIER FOUNDATION ■
 1/2"=1'-0"

5 OPTIONAL NONSTRUCTURAL CONCRETE BOLLARD □
 3/4"=1'-0"

2 ALTERNATE SPREAD FOOTING □
 3/4"=1'-0"

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 DIV. OF THE STATE ARCHITECT
 APP: 04-122015-PC
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 SS FLS ACS CG
 DATE: 11/09/2023

SITE SPECIFIC INFORMATION

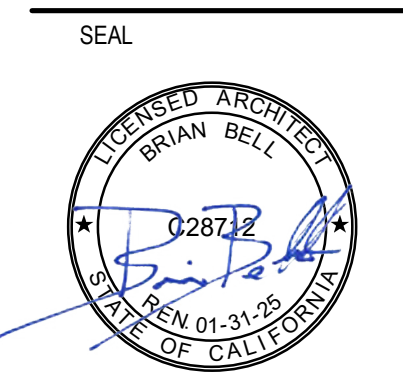
REVISIONS

MARK	DATE	DESCRIPTION
	12/01/2023	DSA APPROVAL

4 STEL JOB # MC05-02-1
 DATE 11-01-23
 DRAWN BY NML
 CHECKED CDL

FRAMING CONNECTION DETAILS

S-9



PROJECT
LUTHER BURBANK HIGH SCHOOL ATHLETIC FIELDS RENOVATION

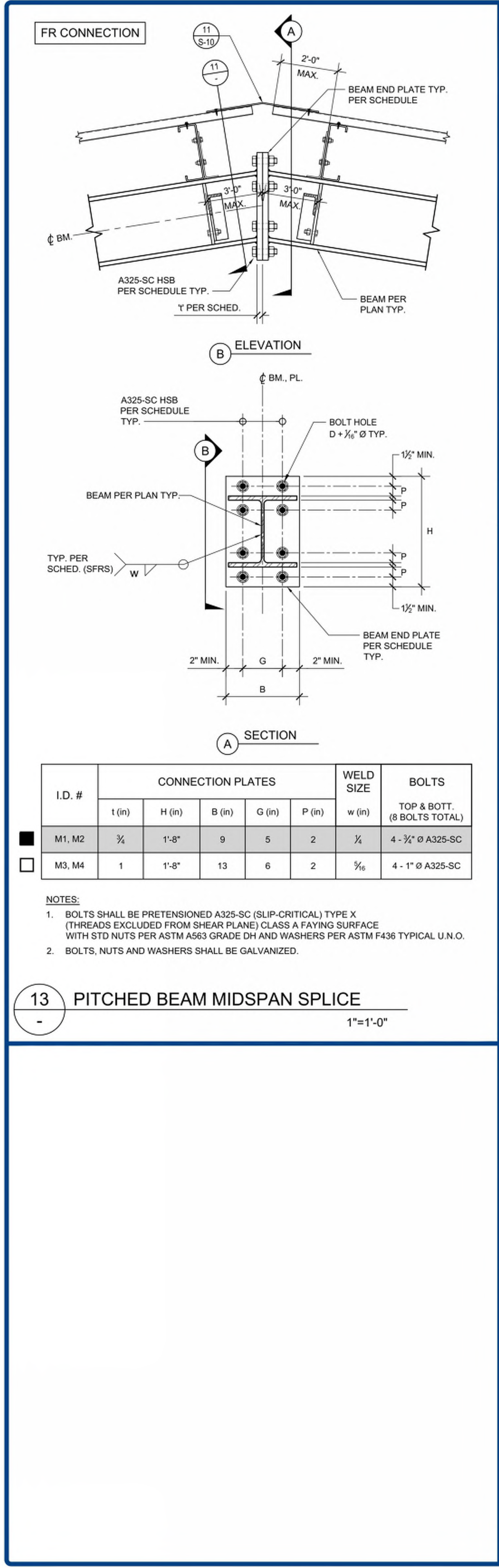
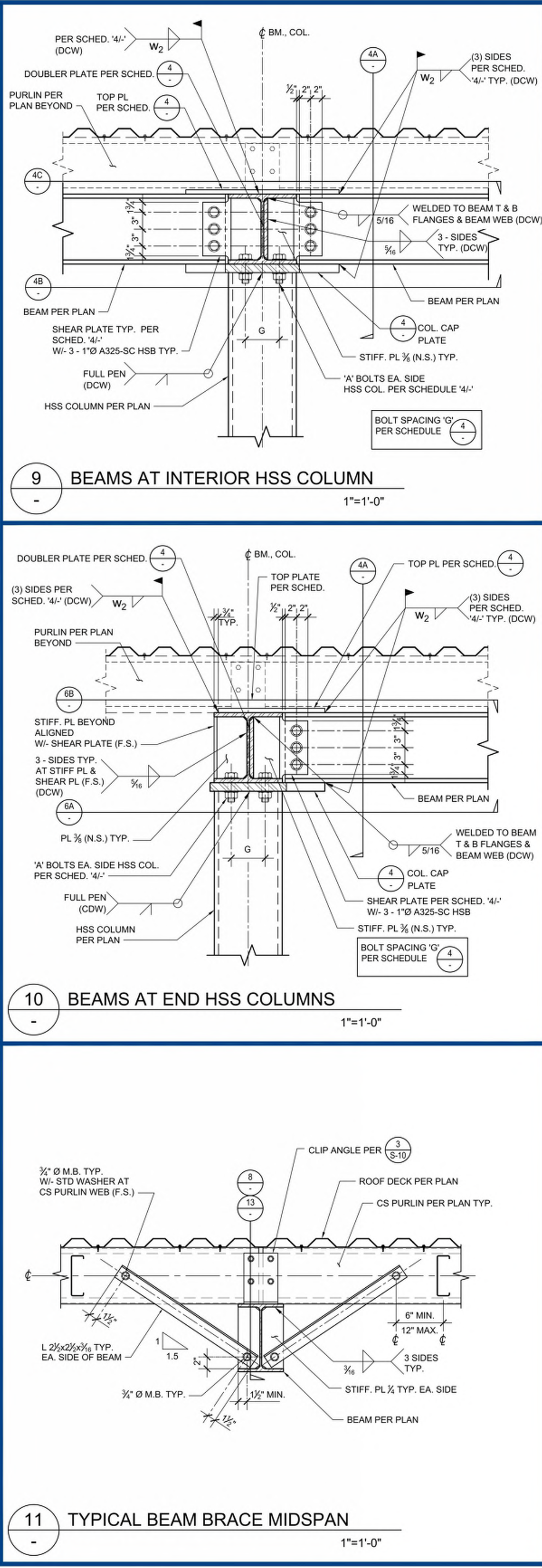
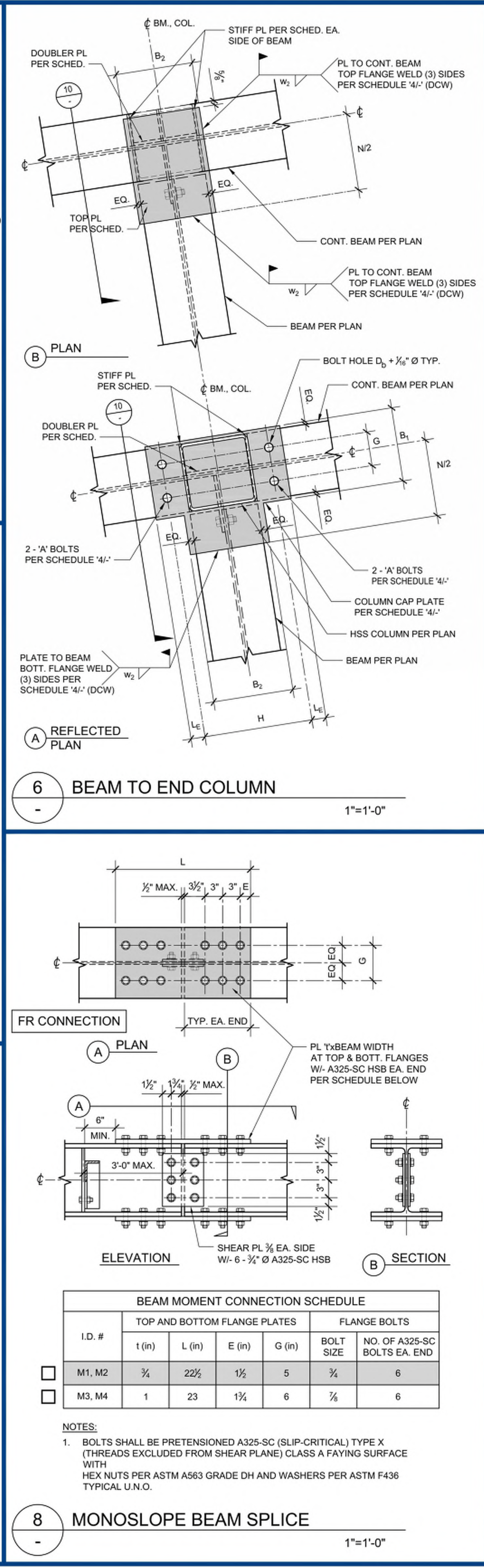
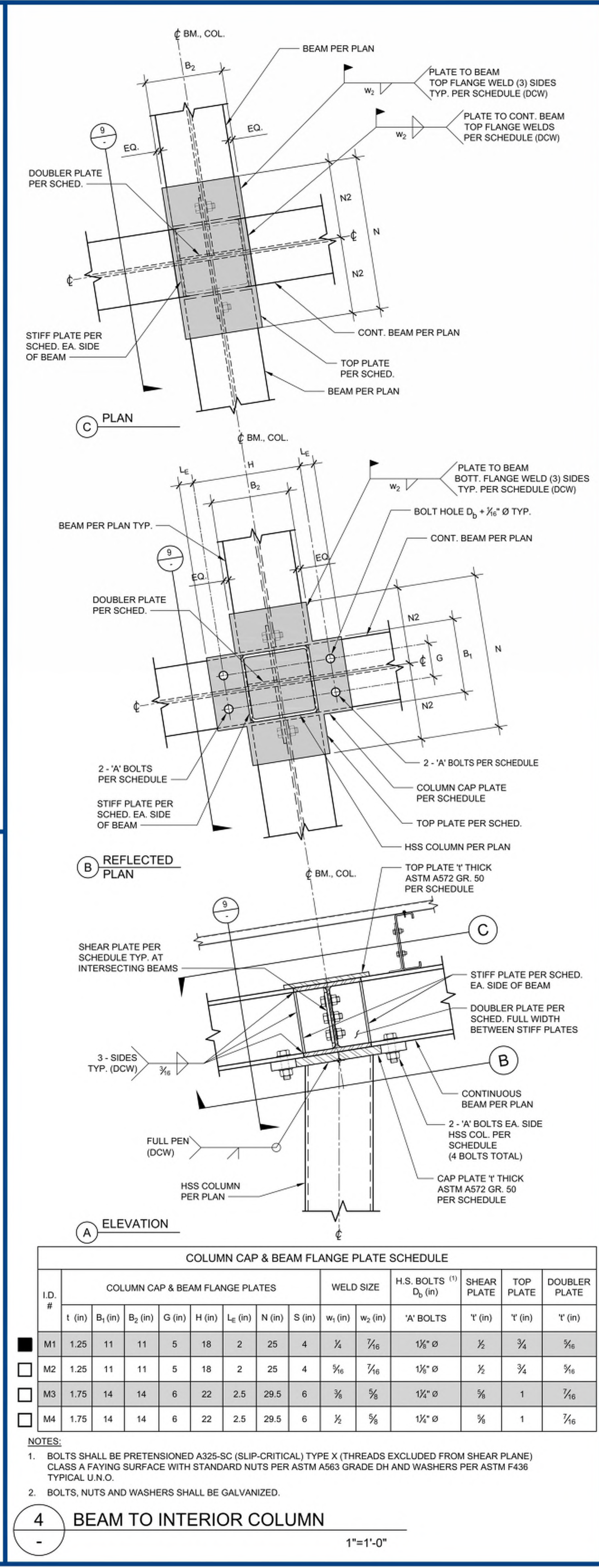
3500 FLORIN ROAD
 SACRAMENTO, CA 95823

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE, SACRAMENTO, CA 95824

MANAGEMENT
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 DSA APPLICATION NO: 02-121593
 CLIENT PROJECT NO:
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TITLE
FRAMING CONNECTION DETAILS

SHEET
S-9



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BM 100_023041_SOLID03 Burbank HS Plans 02/04/21_ARCHITECT_EOL CENTRAL.V1

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APP: 02-121593 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 12/18/2023

LIONAKIS

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E-MAIL: INFO@MBARC.COM
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ENGINEER'S APPROVAL

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SITE SPECIFIC INFORMATION

REVISIONS		
MARK	DATE	DESCRIPTION

4 STEEL JOB # MC05-02-1
DATE 11-01-23
DRAWN BY NML
CHECKED CDL

PURLIN & ROOF DECK DETAILS

S-10

NOTE: IF DIMS. IS NOT 30"x42" IT IS NOT FULL SIZE.

SEAL

PROJECT
LUTHER BURBANK HIGH SCHOOL ATHLETIC FIELDS RENOVATION

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

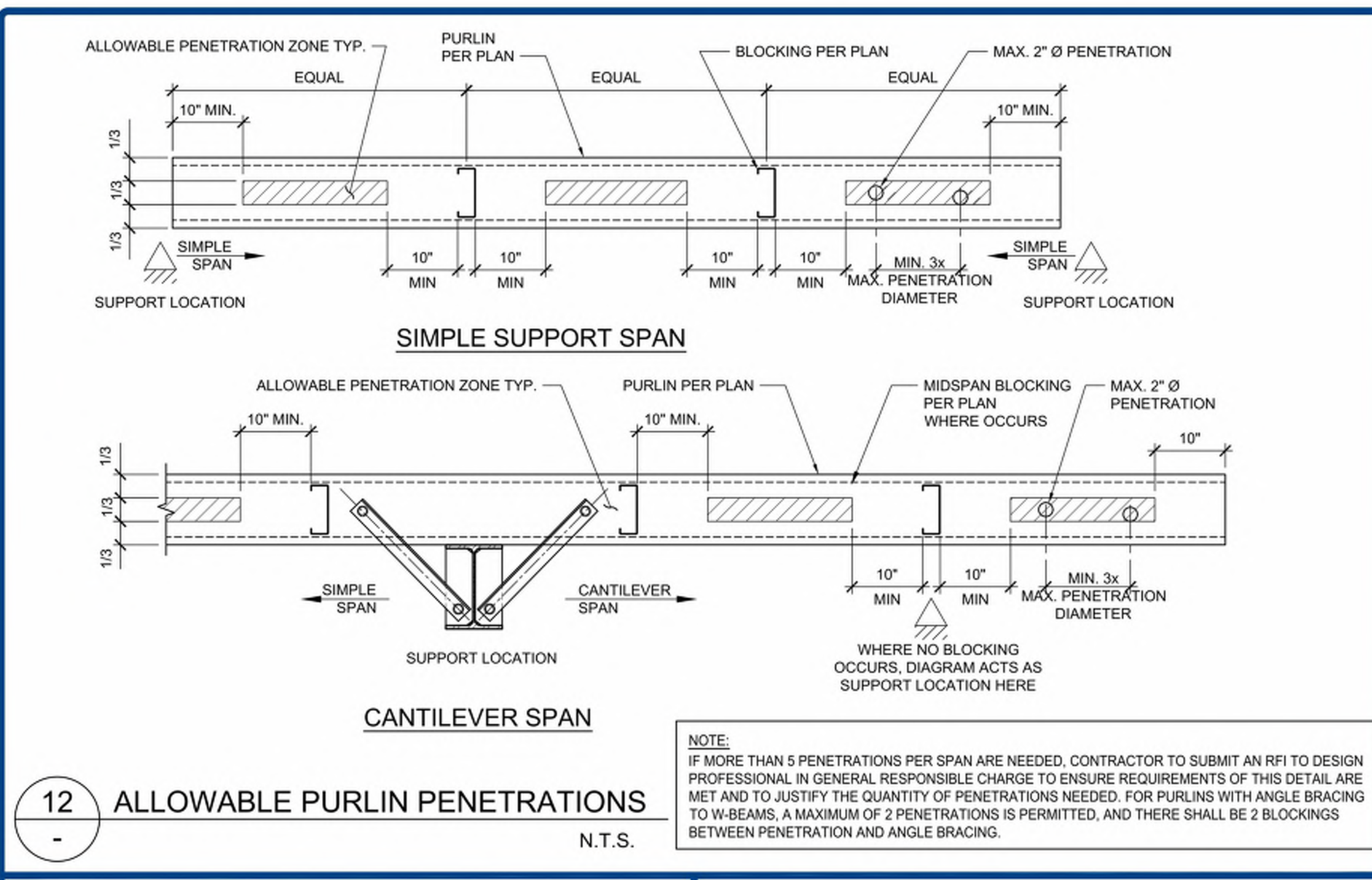
5735 47TH AVENUE, SACRAMENTO, CA 95824

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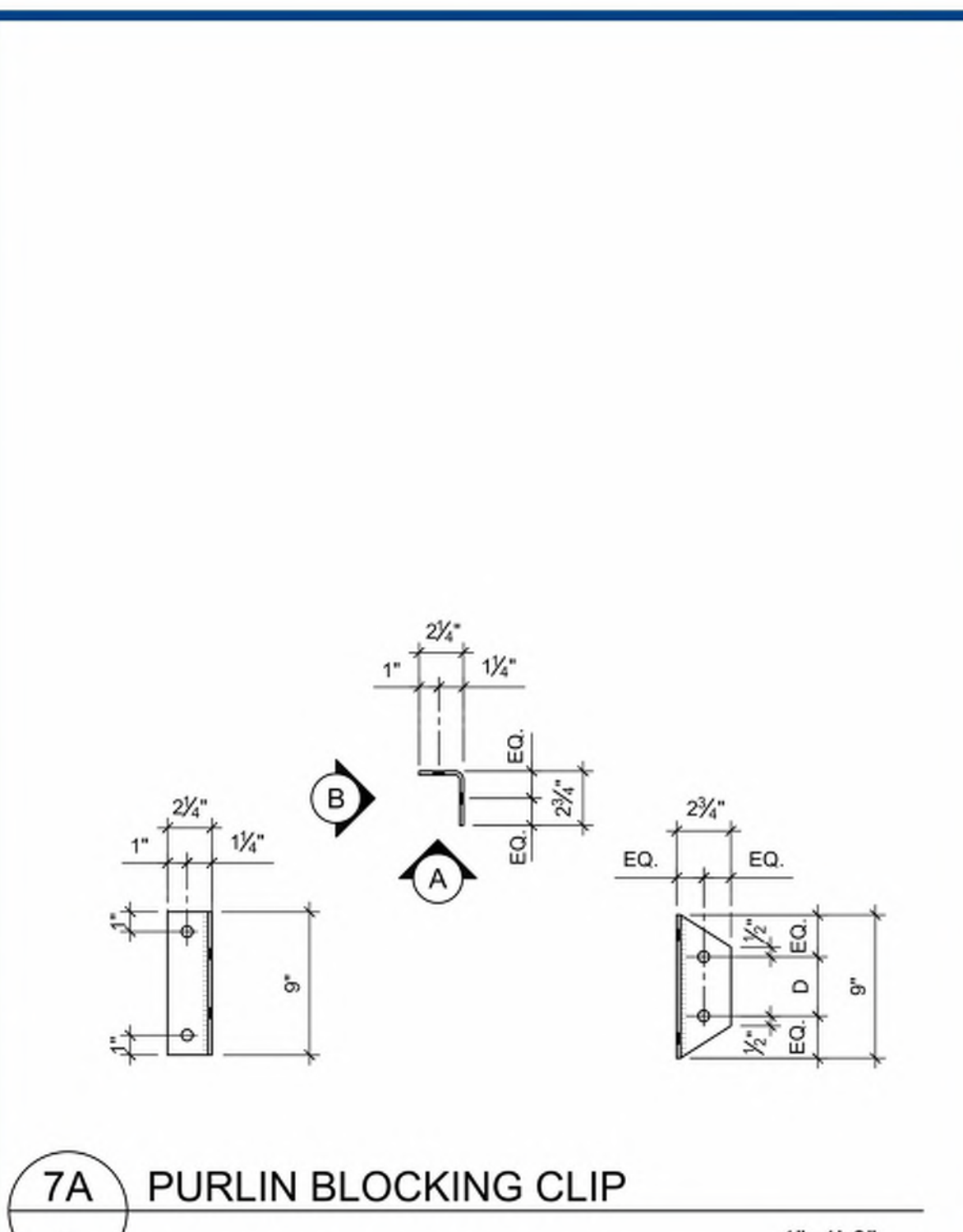
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TITLE
PURLIN & ROOF DECK DETAILS

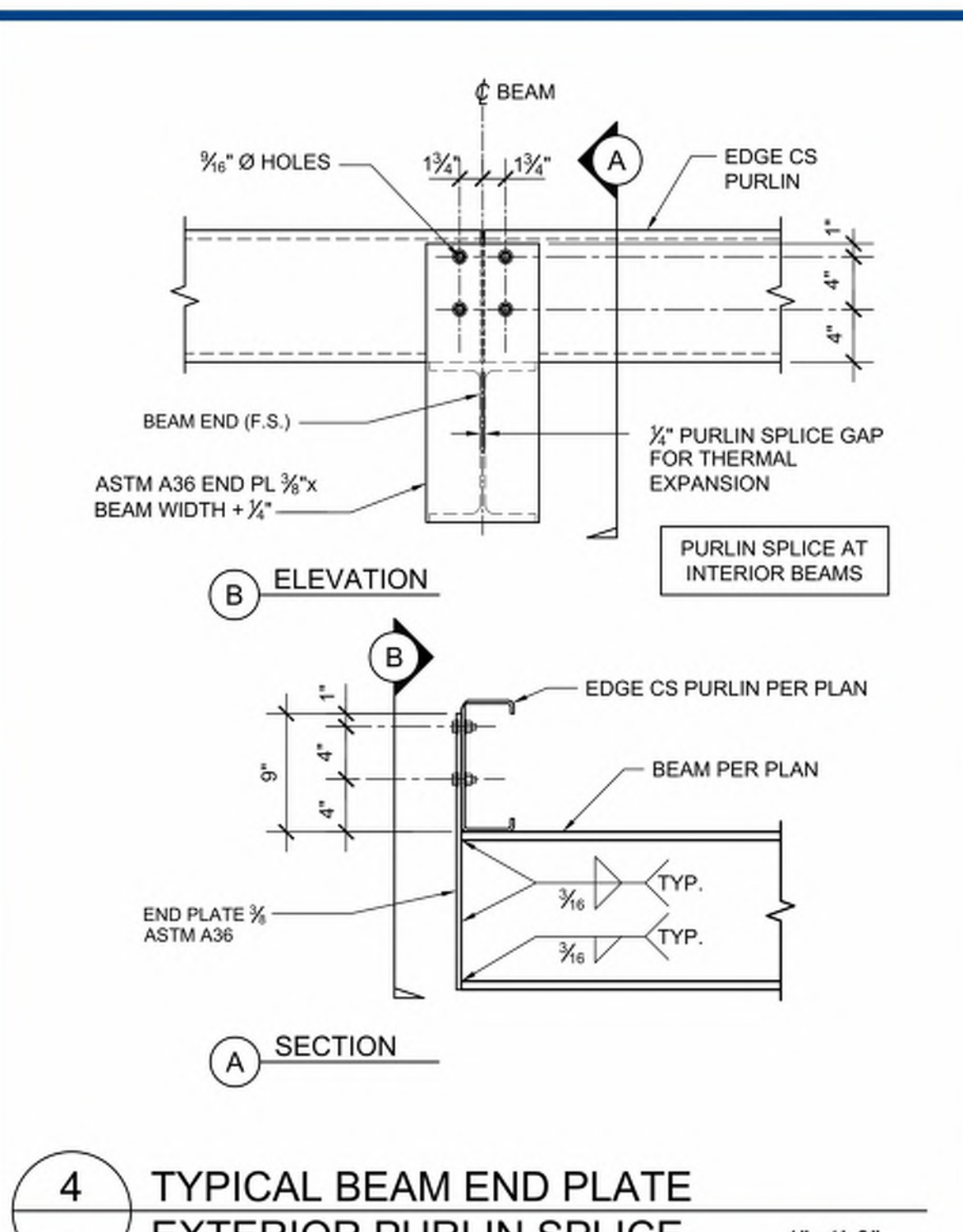
SHEET
S-10



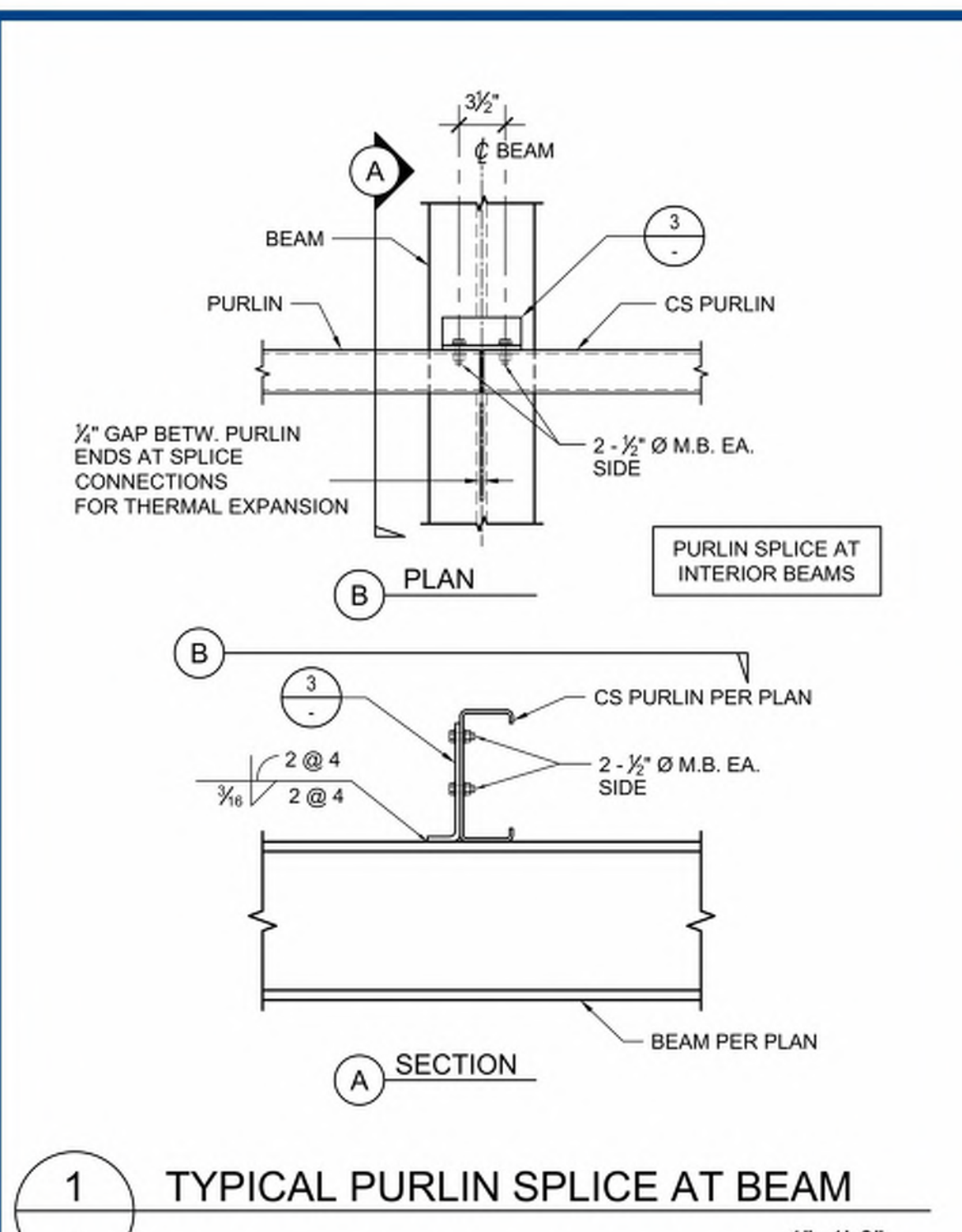
12 ALLOWABLE PURLIN PENETRATIONS
N.T.S.



7A PURLIN BLOCKING CLIP
1"=1'-0"



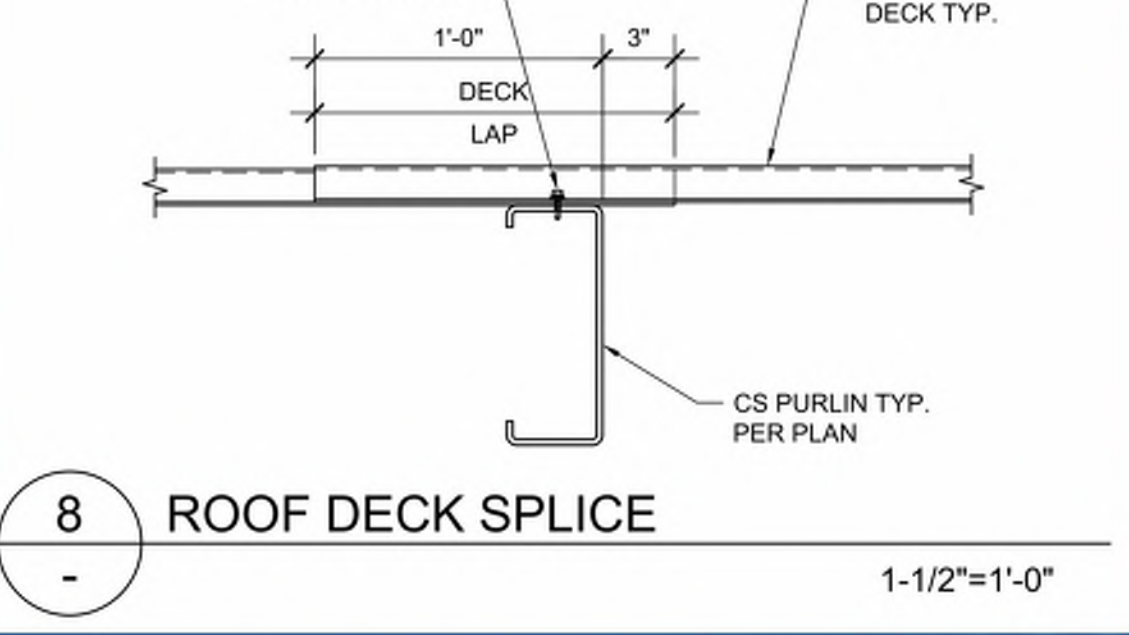
4 TYPICAL BEAM END PLATE EXTERIOR PURLIN SPLICE
1"=1'-0"



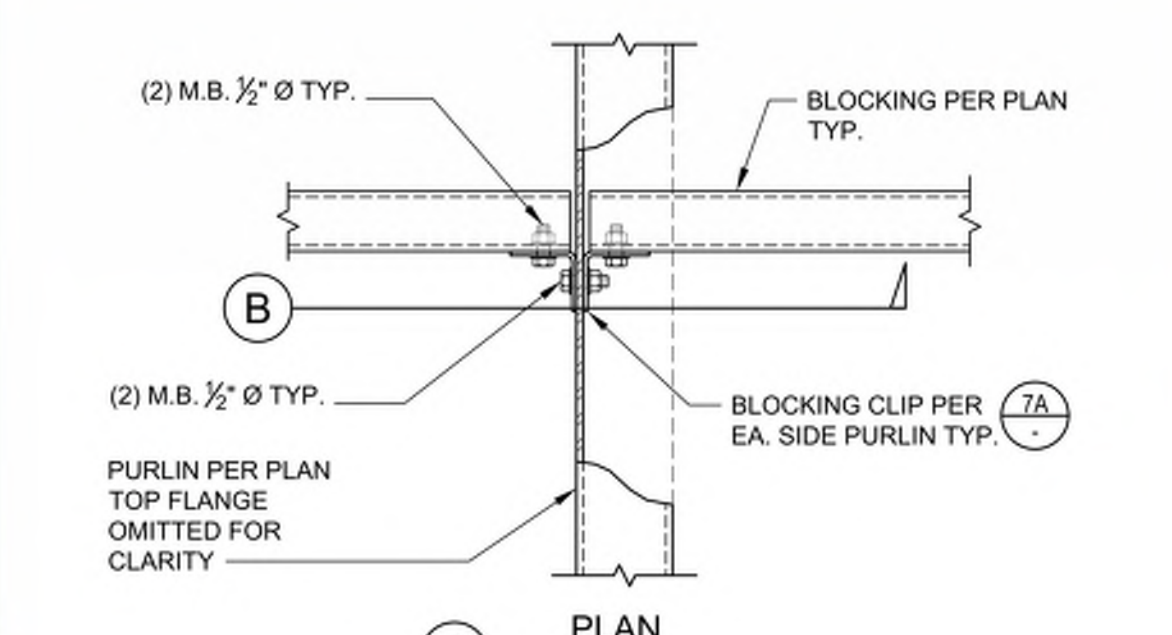
1 TYPICAL PURLIN SPLICE AT BEAM
1"=1'-0"



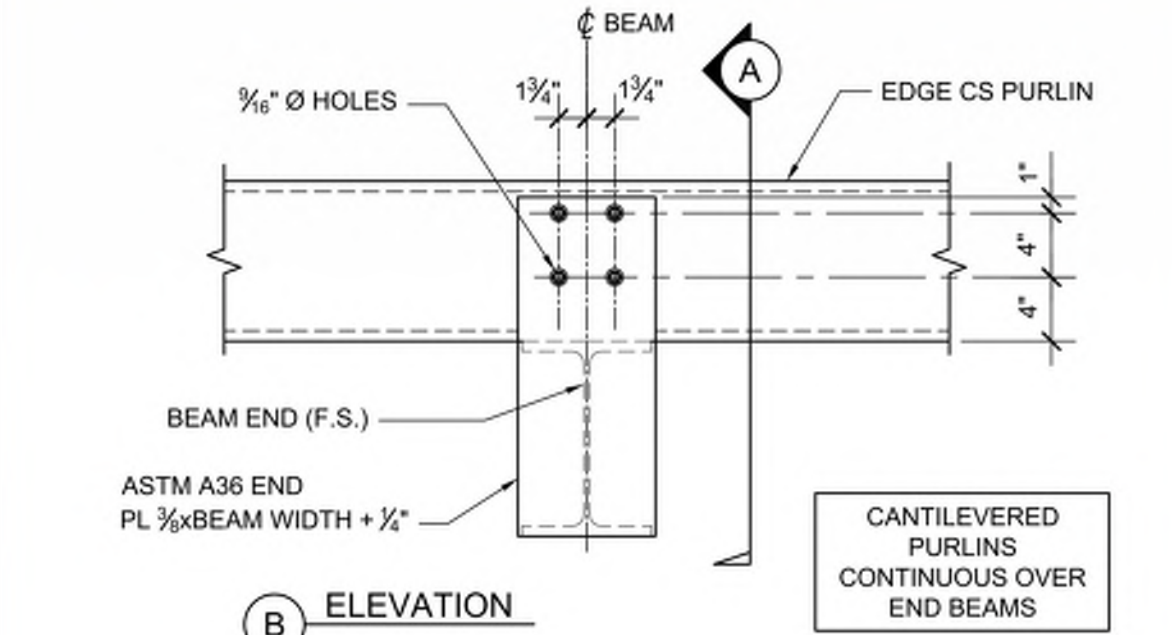
8 ROOF DECK SPLICE
1-1/2"=1'-0"



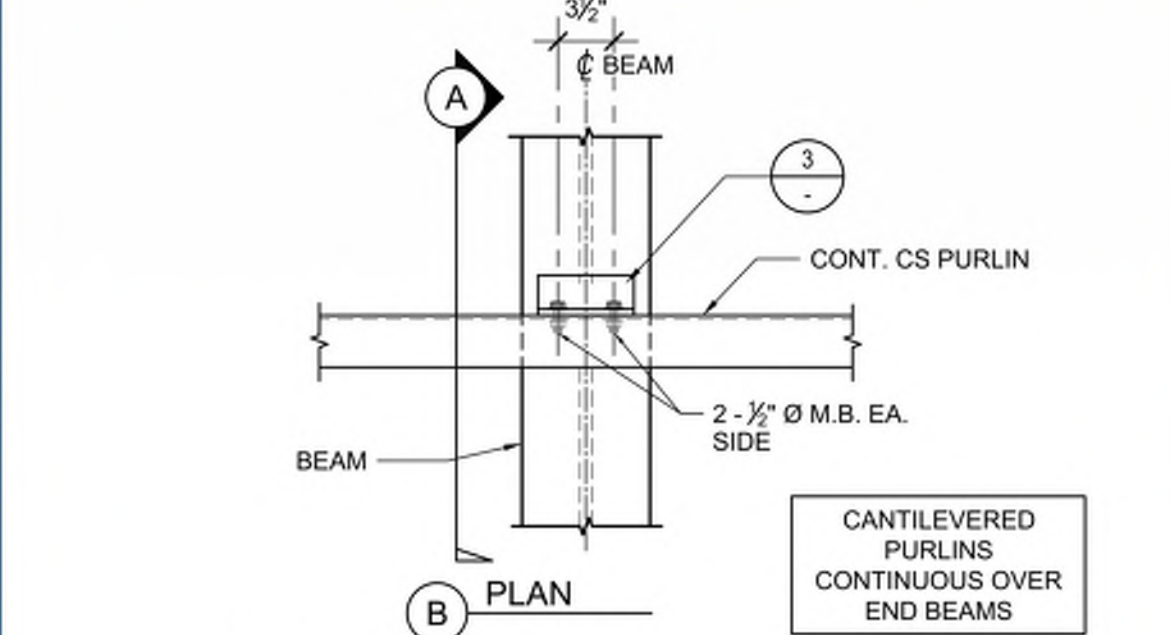
7B PURLIN BLOCKING CONNECTION AT INTERIOR
1"=1'-0"



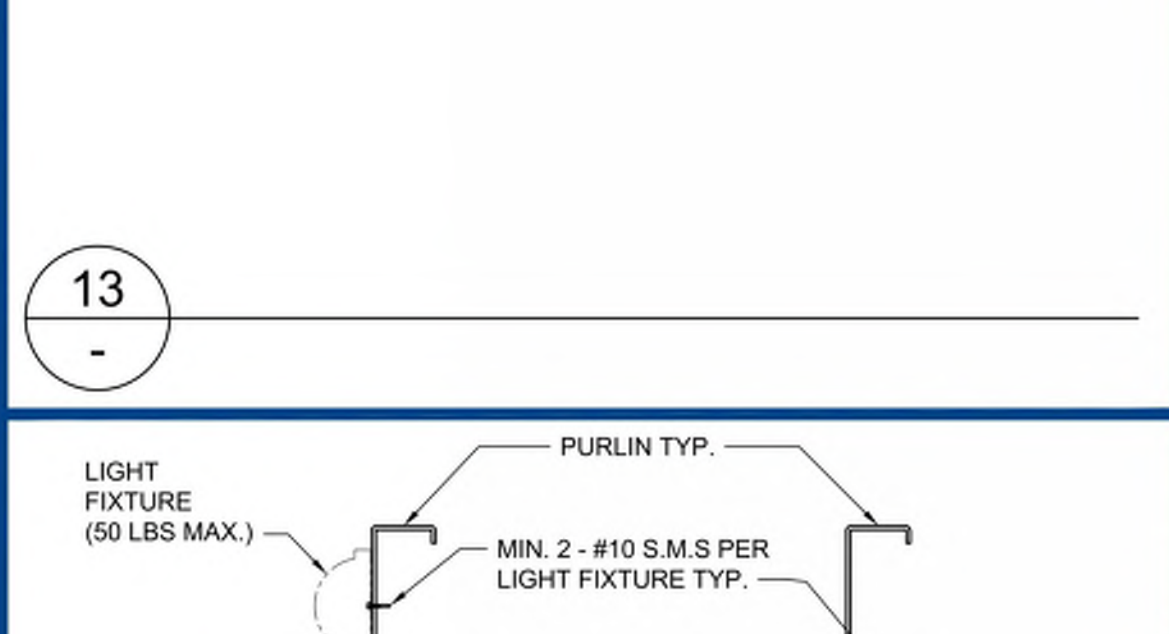
5 TYPICAL BEAM END PLATE CONT. EXTERIOR PURLIN
1"=1'-0"



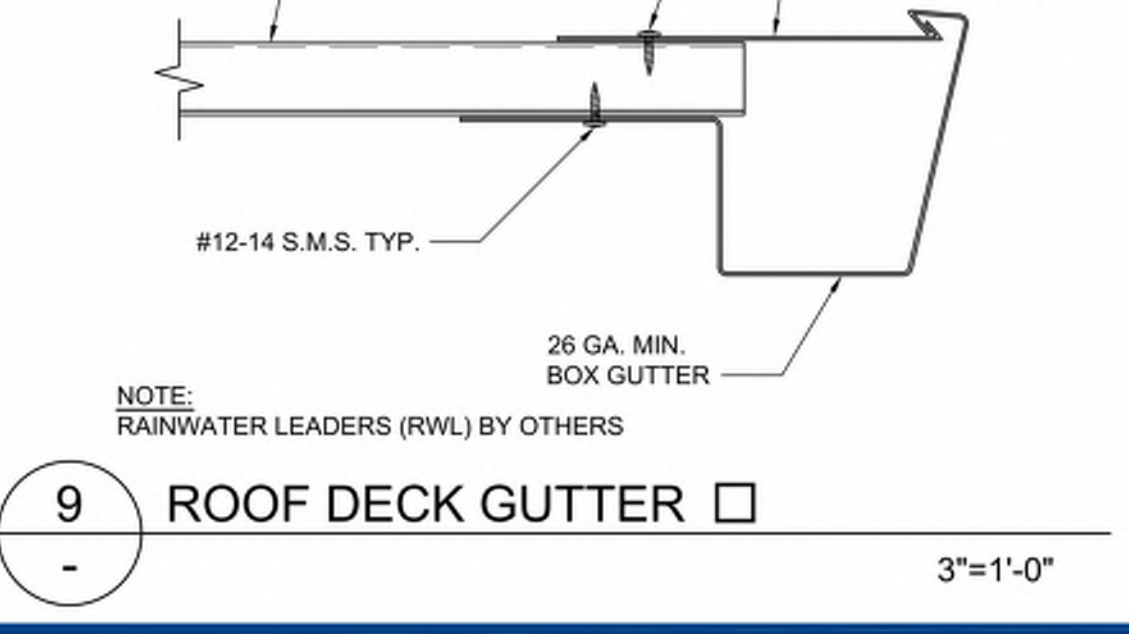
2 TYP. CONT. PURLIN TO BEAM
1"=1'-0"



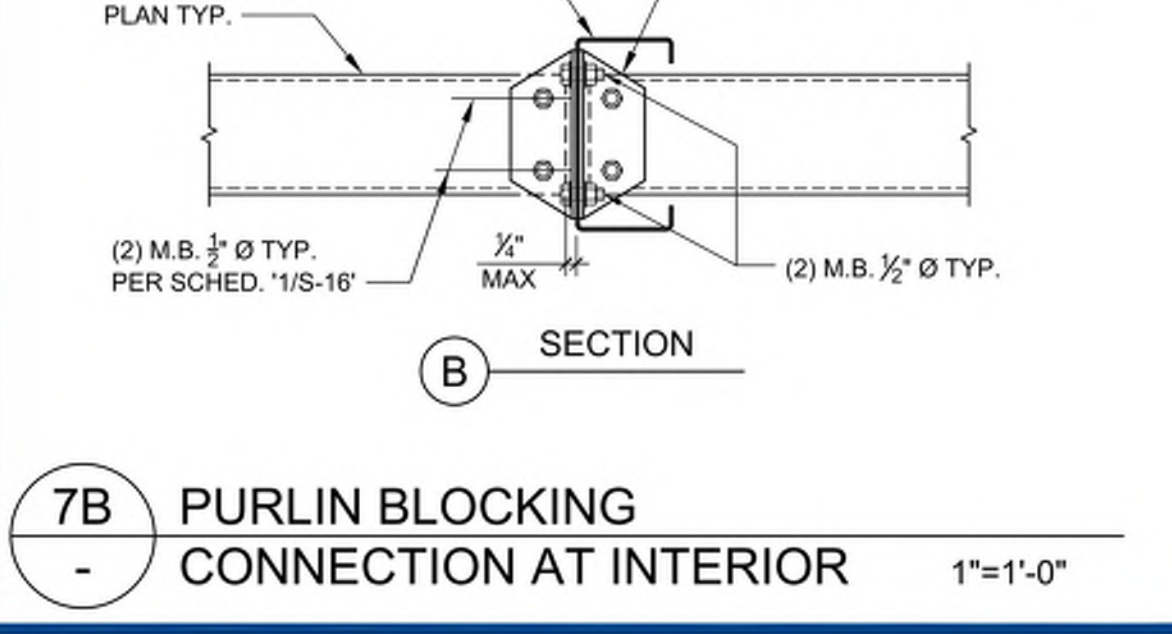
9 ROOF DECK GUTTER
3"=1'-0"



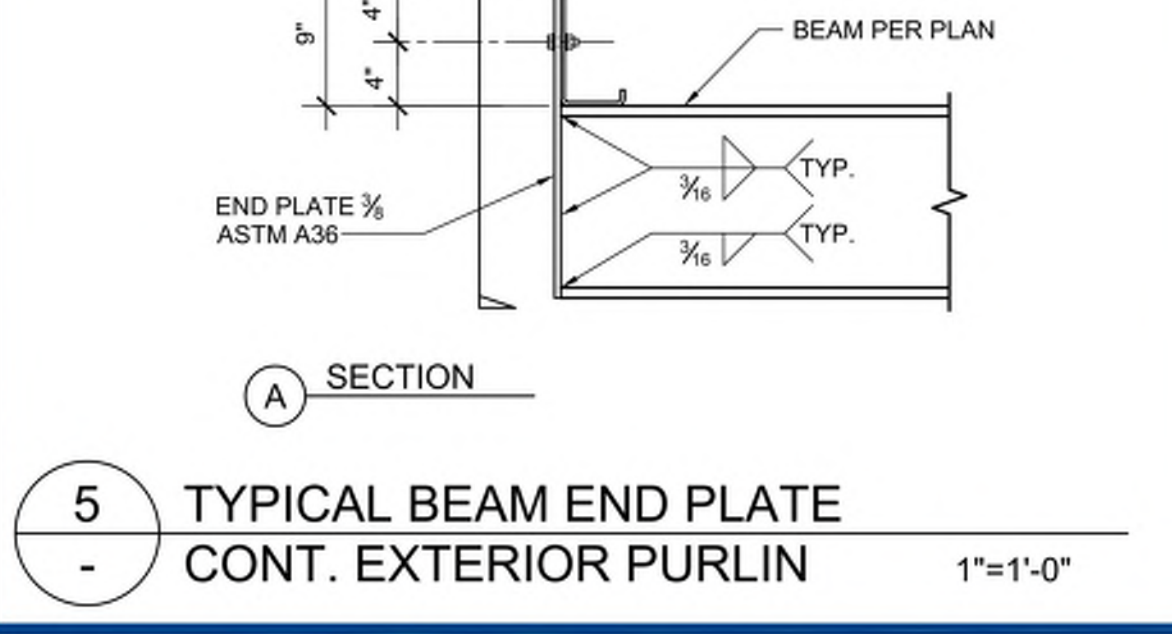
13 LIGHT INSTALLATION OPTIONS
1"=1'-0"



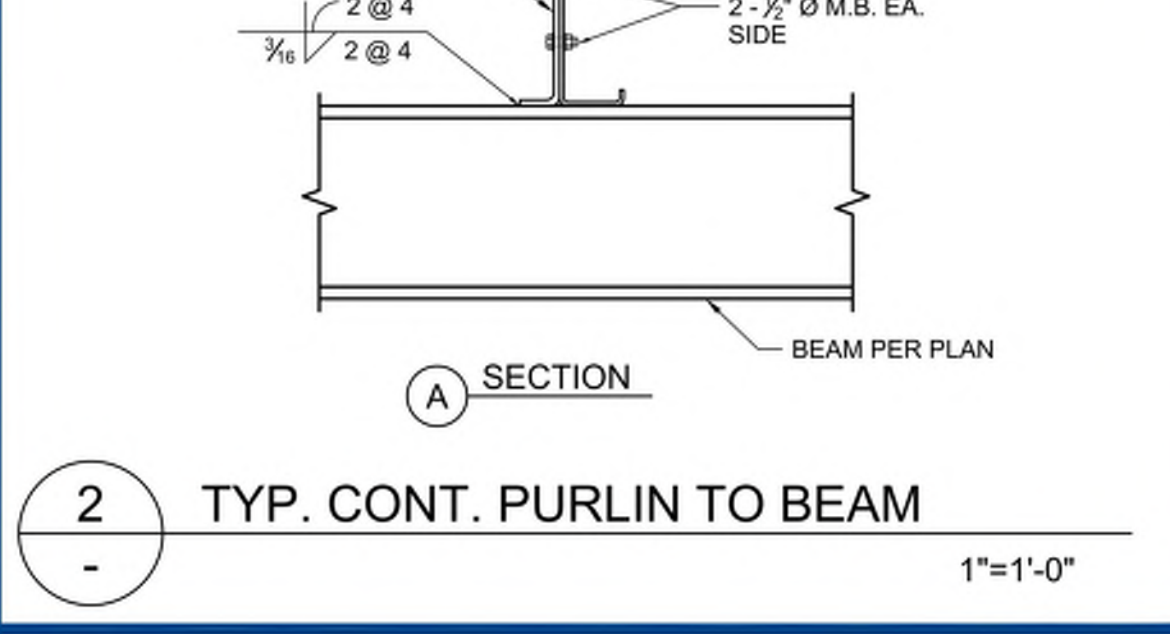
10 ROOF DECK EDGE TRIM
3"=1'-0"



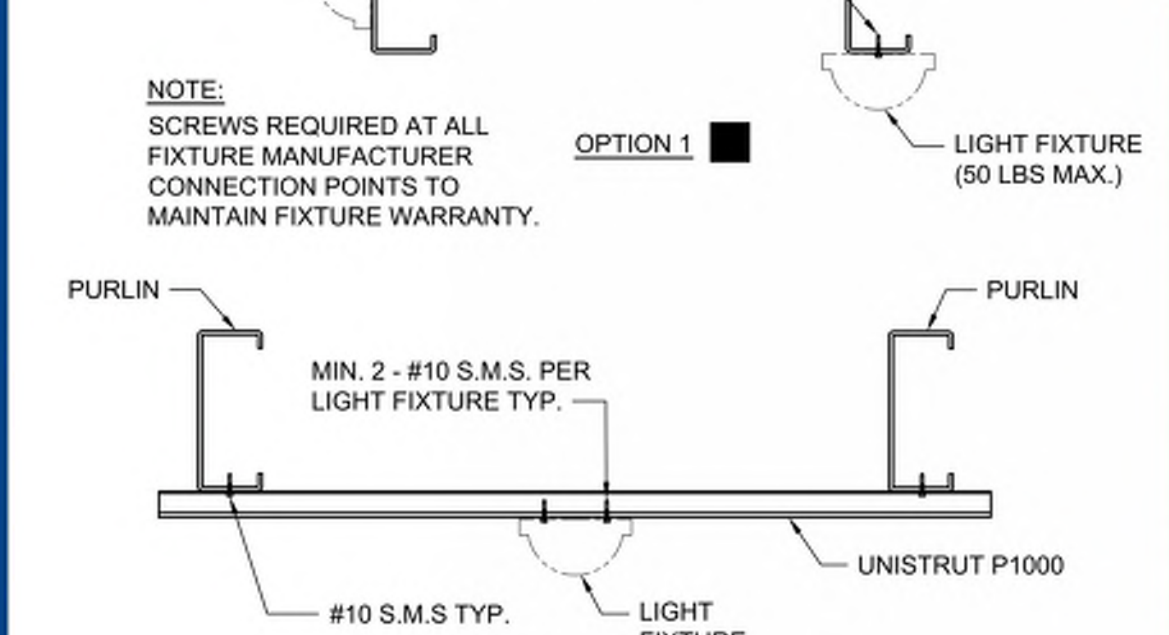
7C PURLIN BLOCKING CONNECTION AT EXTERIOR
1"=1'-0"



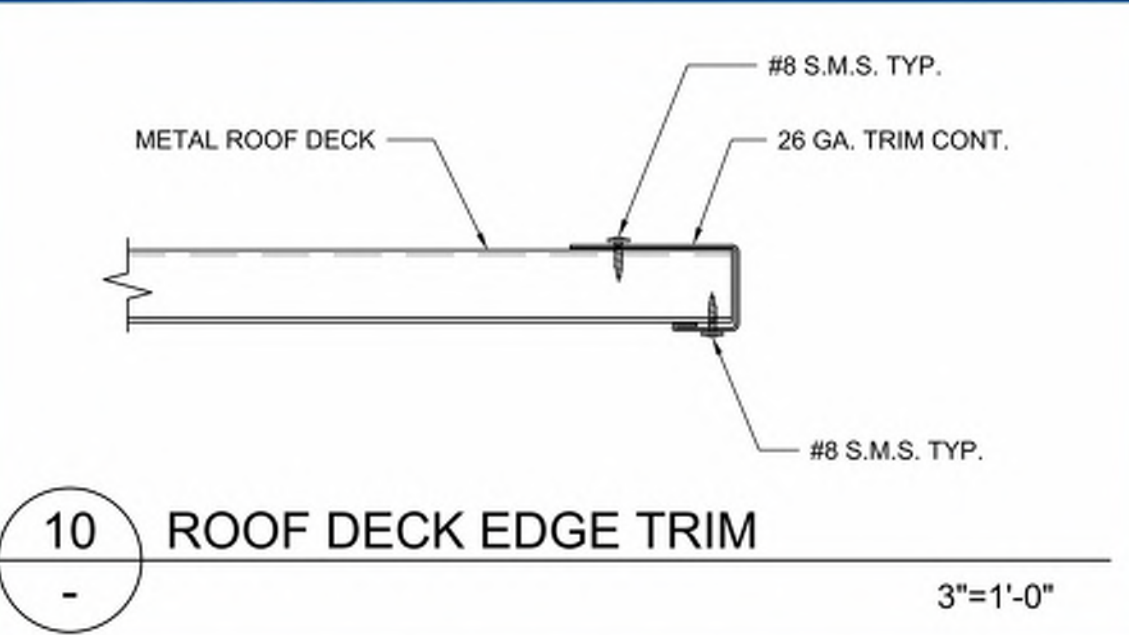
6 TYP. PURLIN END ENCLOSURE
3'-0"=1'-0"



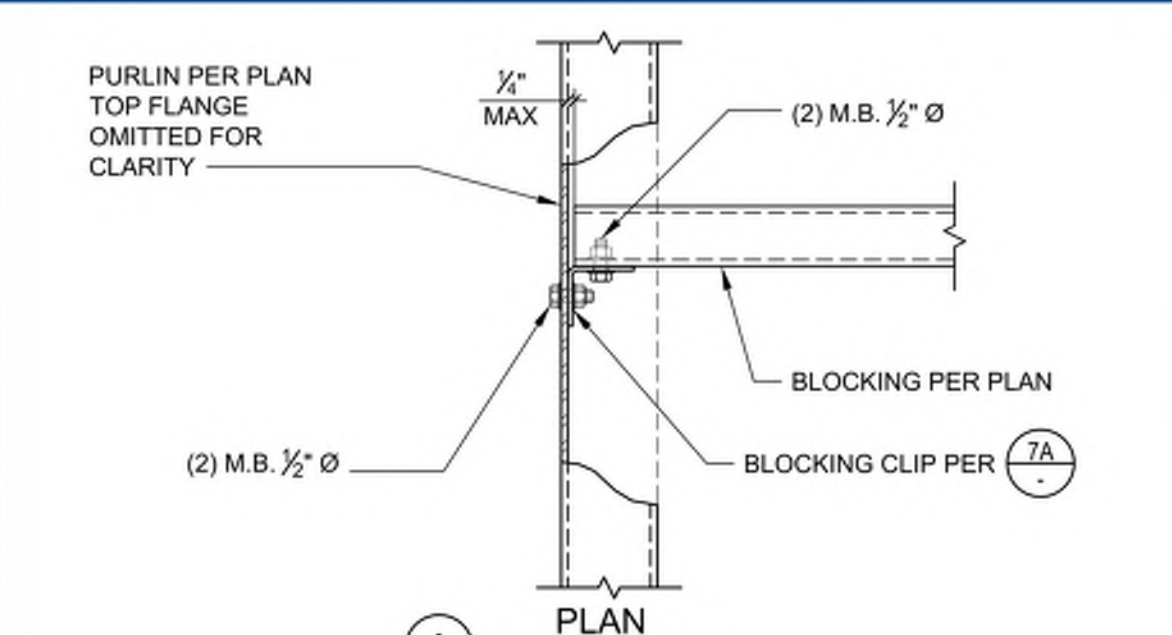
3 TYPICAL PURLIN CLIP ANGLE
3"=1'-0"



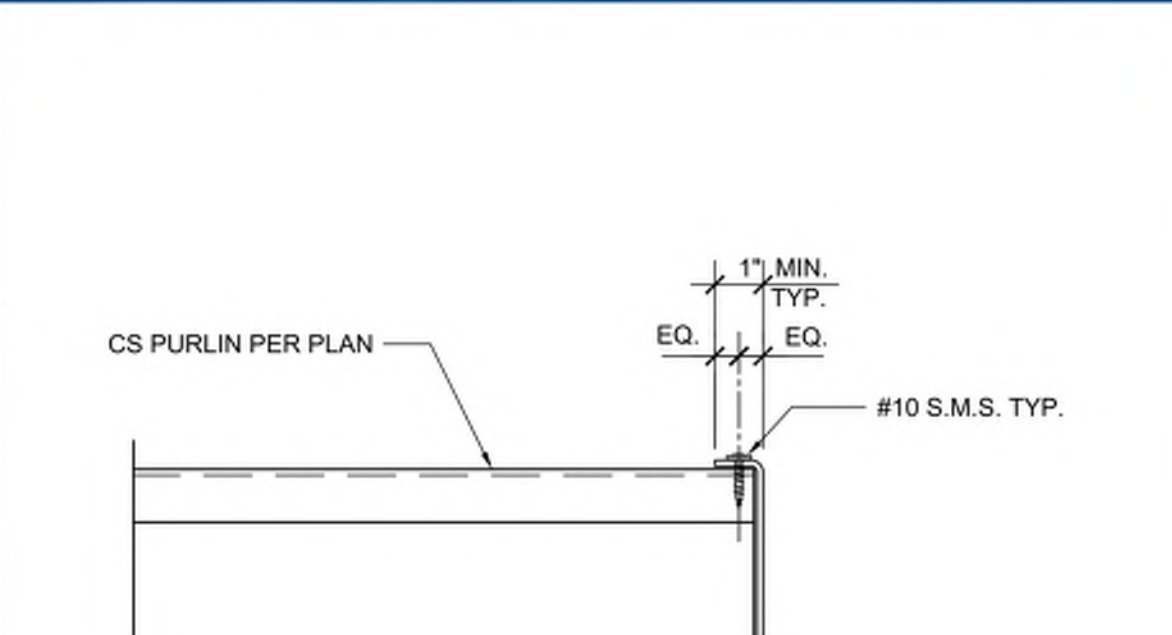
14 LIGHT INSTALLATION OPTIONS
1"=1'-0"



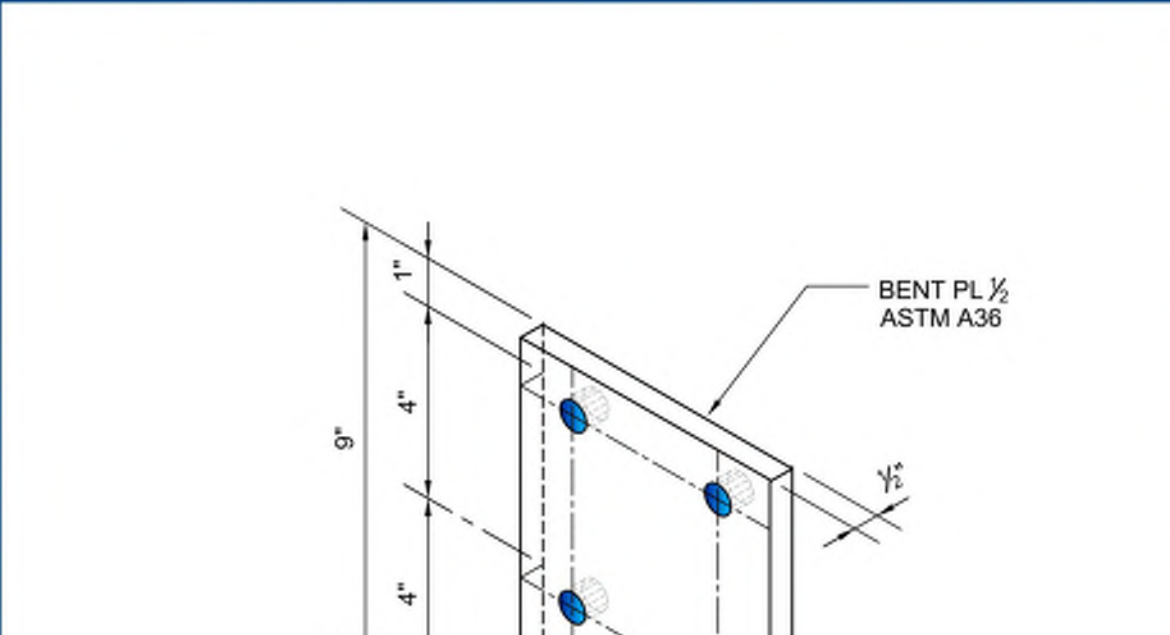
11 ROOF DECK RIDGE CAP
1-1/2"=1'-0"



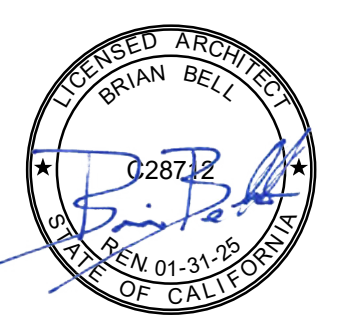
7C PURLIN BLOCKING CONNECTION AT EXTERIOR
1"=1'-0"



6 TYP. PURLIN END ENCLOSURE
3'-0"=1'-0"



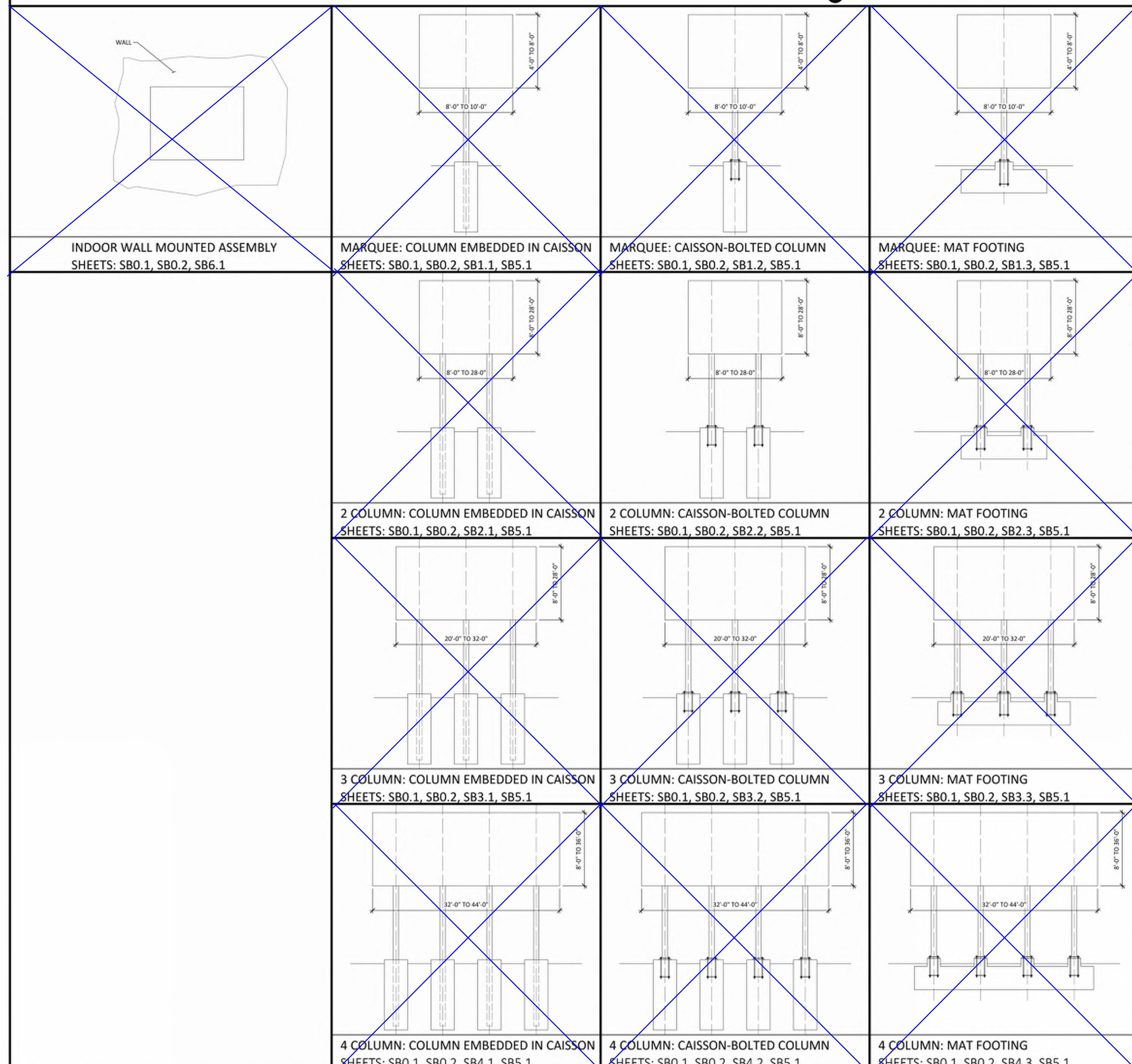
3 TYPICAL PURLIN CLIP ANGLE
3"=1'-0"



MARK	DATE	DESCRIPTION
	12/01/2023	DSA APPROVAL

LIONAKIS PROJECT NO.	023041
DSA APPLICATION NO.	02-121593
CLIENT PROJECT NO.	
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NEVCO DSA P.C. 04-122317



SCOREBOARD ASSEMBLY WORKSHEET (TABLE A, C & D) INSTRUCTIONS

STEP 1: DETERMINE DESIRED SCOREBOARD ASSEMBLY. FILL OUT SCOREBOARD ASSEMBLY TABLE (TABLE A BELOW). PROVIDE NEVCO PART NUMBERS, PART HEIGHT, PART WIDTH, AND PART WEIGHTS.

STEP 2: DETERMINE TOTAL ASSEMBLY HEIGHT, WIDTH, AND WEIGHT, TABLE A

STEP 3: BASED ON TOTAL ASSEMBLY WIDTH, DETERMINE THE NUMBER OF REQUIRED COLUMNS. SEE SHEETS SB1.X FOR 1 COLUMN ASSEMBLY OPTIONS SB2.X FOR 2 COLUMN ASSEMBLY OPTIONS SB3.X FOR 3 COLUMN ASSEMBLY OPTIONS SB4.X FOR 4 COLUMN ASSEMBLY OPTIONS SB6.1 FOR WALL MOUNTED ASSEMBLY OPTIONS (SKIP STEPS 4, 5, & 7)

STEP 4: PICK FOUNDATION TYPE (CAISSON WITH EMBEDDED COLUMN, CAISSON WITH BOLTED COLUMN, OR MAT FOOTING). MARK APPLICABLE SHEET ON SHEET INDEX, SB0.1

STEP 5: MARK APPLICABLE CHECK BOX FOR SCOREBOARD SIZE ON DETAIL 'A' OF SELECTED COLUMN/FOUNDATION OPTION (SHEETS SB1.X, SB2.X, SB3.X OR SB4.X)

STEP 6: FILL IN SITE SPECIFIC SEISMIC AND WIND VALUES TABLE C ON SB0.1.

STEP 7: FILL IN SITE SPECIFIC FLOOD ZONE AS REQUIRED, TABLE D ON SB0.1

STEP 8: VERIFY ALL APPLICABLE SHEETS ARE MARKED ON SHEET INDEX, SB0.1. INCLUDE ONLY MARKED SHEETS AS PART OF DSA SUBMITTAL

CHECK ALL THAT APPLY

■ (REQ'D) SB0.1 COVER SHEET

■ (REQ'D) SB0.2 STRUCTURAL NOTES

SB0.3 EXAMPLE DSA 103 - TESTING AND INSPECTIONS

SB1.1 MARQUEE CAISSON - EMBEDDED

SB1.2 MARQUEE CAISSON - BOLTED

SB1.3 MARQUEE MAT FOOTING

SB2.1 TWO COLUMN CAISSON - EMBEDDED

SB2.2 TWO COLUMN CAISSON - BOLTED

SB2.3 TWO COLUMN MAT FOOTING

SB3.1 THREE COLUMN CAISSON - EMBEDDED

SB3.2 THREE COLUMN CAISSON - BOLTED

SB3.3 THREE COLUMN MAT FOOTING

SB4.1 FOUR COLUMN CAISSON - EMBEDDED

SB4.2 FOUR COLUMN CAISSON - BOLTED

SB4.3 FOUR COLUMN MAT FOOTING

SB5.1 ATTACHMENT DETAILS

SB5.2 OPTIONAL SCOREBOARD FEATURE ATTACHMENT DETAILS

SB5.3 DECORATIVE ALUMINUM TRUSS ATTACHMENT DETAILS

SB5.4 DECORATIVE ALUMINUM TRUSS ATTACHMENT DETAILS & 10mm VIDEO BOARD

SB6.1 INDOOR WALL MOUNTED SCOREBOARD

SITE SPECIFIC SUBMITTAL REQUIREMENTS

SEE DSA POLICY PL 07-02 FOR ADDITIONAL INSTRUCTIONS REGARDING USE AND APPLICATION OF THIS PRE-CHECK DOCUMENT. ALL SITE SPECIFIC SUBMITTALS SHALL INCLUDE:

- COMPLETED DSA 1 APPLICATION, DSA3, DSA 103, AND FILING FEE AND COPY OF THE PRE-CHECK DOCUMENT WITH APPLICABLE DESIGN OPTION MARKED ON THE MARQUEE, TWO COLUMN, THREE COLUMN, FOUR COLUMN, OR WALL ASSEMBLY SCHEDULES.
- SITE PLAN OF FACILITY IDENTIFYING ALL STRUCTURES BY DSA APPLICATION NUMBER. LOCATION OF SCOREBOARD SHALL BE IDENTIFIED. ELECTRICAL PANEL SERVING THE SCOREBOARD SHALL BE LOCATED AND IDENTIFIED.
- WHERE WIRELESS CONTROLLERS ARE NOT SPECIFIED, AN ACCESSIBLE PATH OF TRAVEL AND ACCESSIBLE SEATING FOR THE SCOREBOARD OPERATOR SHALL BE IDENTIFIED AND PROVIDED.
- PROVIDE AN ELEVATION OF PROPOSED SCOREBOARD IDENTIFYING ALL INSTALLED DISPLAY COMPONENTS, SIGNAGE, TRUSSES, AND ADDITIONAL COMPONENTS IN THE PRE-CHECK DOCUMENT. ALL ELEMENT WEIGHTS SHALL BE SPECIFIED.
- THE APPLICABLE SHEETS SHALL BE IDENTIFIED BY MARKING APPROPRIATE CHECK BOX ON THIS SHEET.
- THE APPLICABLE CONFIGURATION SHALL BE IDENTIFIED BY MARKING APPROPRIATE CHECK BOX ON THE 'A' DETAILS ON THE APPLICABLE SHEET.
- PROVIDE CUT SHEETS OF THE BOARDS, BOXES, AND EQUIPMENT TO BE MOUNTED ON THE STRUCTURE. CUT SHEETS SHALL INCLUDE WEIGHTS AND DIMENSIONS
- SITE SPECIFIC SEISMIC DESIGN CRITERIA SHALL BE PROVIDED IN THE DRAWINGS.
- SITE SPECIFIC BASIC DESIGN WINDSPEED AND SITE EXPOSURE SHALL BE PROVIDED ON THE DRAWINGS, SEE TABLE C.
- STEEL COATING SPECIFICATIONS FOR WEATHER PROTECTION IF DIFFERENT THAN NOTED ON SB0.3
- A GEOHAZARD REPORT IS NOT REQUIRED PER IR A-4.13. IF A SCOREBOARD IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED BY A GEOTECHNICAL ENGINEER IS REQUIRED VALIDATING THE ALLOWABLE SOIL VALUES, PROVIDE INFORMATION IN TABLE D.
- PROVIDE A SITE SPECIFIC DESIGN FOR STRUCTURES THAT DO NOT MEET THE MINIMUM SETBACK REQUIREMENTS.
- PROVIDE A SITE SPECIFIC DESIGN FOR STRUCTURES LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F.
- FOR WALL MOUNTED ASSEMBLIES (SB6.1), STRUCTURAL ANALYSIS AND JUSTIFICATION THAT THE WALL FRAMING IS CAPABLE OF SUPPORTING THE ASSEMBLY FOR VERTICAL AND LATERAL LOADS.

CODE INFORMATION

2022 CALIFORNIA BUILDING STANDARDS CODE (TITLE 24, CCR):

2022 ADMINISTRATIVE CODE, PART 1, TITLE 24 CODE OF REGULATIONS (CCR)
 2022 CALIFORNIA BUILDING CODE VOLUMES 1 & 2, PART 2, TITLE 24 CCR
 2022 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR
 2022 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 CCR
 2022 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 CCR
 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR
 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 CCR
 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR

REFERENCED CODE SECTIONS FOR APPLICABLE STANDARDS:
 2022 CALIFORNIA BUILDING CODE, CHAPTER 35
 2022 CALIFORNIA FIRE CODE, CHAPTER 80

GENERAL NOTES AND MATERIAL SPECIFICATIONS

GENERAL REQUIREMENTS

- THE ARCHITECT OR PROFESSIONAL ENGINEER IN GENERAL RESPONSIBLE CHARGE SHALL SIGN AND SEAL ALL DRAWINGS AND SPECIFICATIONS PER TITLE 24, PART 1, SECTIONS 4-316(E) AND 4-317 (H).
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA, OR CONSTRUCTION CHANGE DOCUMENTS APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA), AS REQUIRED BY TITLE 24, PART 1, SECTION 4-338.
- THE DISTRICT SHALL EMPLOY A CLASS 2 PROJECT INSPECTOR WHEN OVERALL STRUCTURE HEIGHT IS 35 FEET OR GREATER, OTHERWISE A CLASS 3 PROJECT INSPECTOR MAY BE USED. THE PROJECT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK, AND SHALL SUBMIT VERIFIED REPORTS ON A DSA-6 FORM. THE DUTIES OF THE PROJECT INSPECTION ARE DEFINED IN TITLE 24, PART 1, SECTION 4-342.
- ALL SCOREBOARD CONTROLS SHALL BE FULLY ACCESSIBLE VIA WIRELESS CONTROL OR COMPLETE DESIGN SHALL BE DEMONSTRATED IN THE SITE-SPECIFIC APPLICATION.
- ALL ASSEMBLIES SHALL HAVE ELECTRICAL DISCONNECT PER CEC 600.6 AND BE ELECTRICALLY GROUNDED PER CEC 600.7, SEE DETAIL B/SB5.1
- IN FLOOD ZONES, LOCATION OF ELECTRICAL ELEMENTS SHALL CONFORM TO ASCE 24, SECTION 7.2 PER DSA PR-14-01 SECTION 1.2.1.
- SEE PAGE, SB0.2, FOR ALL MATERIAL SPECIFICATIONS AND NOTES.
- PROJECT DESIGN PROFESSIONAL OF RECORD IS RESPONSIBLE FOR PREPARATION OF THE PROJECT SPECIFIC DSA 103 AND IS RESPONSIBLE FOR ALL SHOP DRAWING AND SUBMITTAL REVIEWS. SEE SB0.3 FOR EXAMPLE DSA 103

TABLE C - SITE SPECIFIC SEISMIC AND WIND VALUES

EARTHQUAKE DESIGN DATA		MAXIMUM	SITE SPECIFIC
Mapped Spectral Response Accelerations (Maximum)	S _w = 3.73 g	≥	S _w = .574 g
Site Class	D	≥	D
Spectral Response Coefficients (Maximum)	S _w = 2.49 g	≥	S _w = .513 g
Design Wind Speed (3-sec gust), V _w	100 mph	≥	93 mph
Exposure Category	C	≥	C

TABLE B - STRUCTURAL DESIGN VALUES

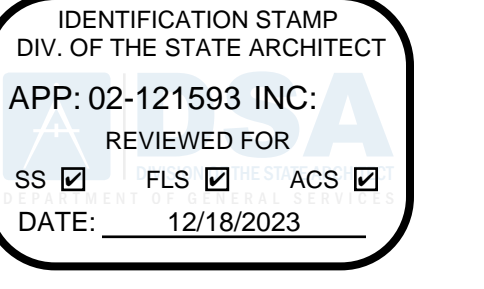
Gravity Design Data		Value	
Dead Loads:	Sign Dead Load	PER SCHEDULE	
Snow Loads:	Ground Snow Load, P _s (Maximum)	30 psf	
Deflection Criteria:	Sign, Wind Load	H/240	
Wind Design Data	Design Wind Speed (3-sec gust), V _{w17}	100 mph	
Design Wind Speed (3-sec gust), V _{w30}		77 mph	
Risk Category		II	
Exposure Category		C	
Applicable Internal Pressure Coefficient		± 0.18	
Design Wind Pressure(s) for Components & Cladding (Not specifically designed by the Registered Design Professional, and to be modified by applicable factors per ASCE 7)	q _s = 21.8xk, psf	K _v VARIABLES	
Earthquake Design Data	Risk Category	II	
Importance Factor, I _e		1.0	
Mapped Spectral Response Accelerations (Maximum)	S _w = 3.73 g	≥	S _w = 1.0 g
Site Class		A through E	
Spectral Response Coefficients (Maximum)	S _w = 2.49 g	≥	S _w = 1.0 g
Seismic Design Category		E	
Analysis Procedure Used	Equivalent Lateral Force Procedure (ASCE 7, 12.8)		
Basic Seismic Force Resisting System	Non-Building Structure, ASCE 7-16 Chapter 15		
Response Modification Factor, Signs and Billboards Table 15.4-2	R _s	3.0	
Seismic Response Coefficient	C _s	0.83	
Design Base Shear	V = C _s W _e		
Flood Design	When the scoreboard is located in a flood zone other than Zone X, a letter stamped and signed from a Geotechnical Engineer is needed to validate allowable soil values specified in the PC are still applicable.		
Geotechnical Design Data	Geotechnical Design Based on:	Value	
2022 California Building Code, Chapter 18A, Table 1806A.2 (Class 5 Material)	Allowable Soil Bearing Pressure (DL + LL)	1,500 psf	
Design Passive Pressure, P _t (Tabular value has been increased per CBC Section 1806A.3.4 for pier design)		100 psf	
Design Skin Friction, f _s		100 psf	

TABLE A - SCOREBOARD ASSEMBLY WORKSHEET (1)

NevcO Part No. or Description	Part Height [ft.]	Part Width [ft.]	Part Weight [lb]
1608 Baseball LED Scoreboard	6 foot	18 foot	715 lbs
ADO 18-3	3	18	900
Total			
TOTAL ASSEMBLY DIMENSIONS & WEIGHT (1)			
Total Assembly Height =	_____ ft. _____ in.		
Total Assembly Width =	_____ ft. _____ in.		
Total Assembly Weight =	_____ lbs.		
Distance from Finish Grade to Bottom of Sign =	_____ ft. _____ in.	Total Height = Total Assembly Height + Distance from Finish Grade to Bottom of Sign =	_____ ft. _____ in.

SCOREBOARD ASSEMBLY FOOTNOTES

- Verify part number, dimensions, and weight with NevcO
- See Step 3 of Scoreboard Assembly Worksheet Instructions



LIONAKIS

2025 Nineteenth Street Sacramento CA 95818 P 916.558.1900 F 916.558.1919 www.lionakis.com

CONSULTANT

3500 FLORIN ROAD SACRAMENTO, CA 95823

CLIENT SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

ISSUED

MARK DATE DESCRIPTION

12/01/2023 DSA APPROVAL

A separate project application for construction is required.

MANAGEMENT

LIONAKIS PROJECT NO: 023041

DSA APPLICATION NO: 02-121593

CLIENT PROJECT NO: 02-121593

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TITLE

EXAMPLE DSA 103 - TESTING AND INSPECTIONS

SHEET INFORMATION

DATE 08.09.2023

DRAWN JMK

CHECKED MEP

SSG JOB # S23109

SHEET SBO.3

TITLE

EXAMPLE DSA 103 - TESTING AND INSPECTIONS

SHEET SBO.3

SHEET

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SHEET

SBO.3

EXAMPLE DSA 103 - TESTING AND INSPECTIONS

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code Reference and Notes. Includes sections for 2022 CBC, KEY TO COLUINS, and 2022 CBC (continued).

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code Reference and Notes. Includes sections for 2022 CBC (continued).

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code Reference and Notes. Includes sections for 2022 CBC (continued).

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code Reference and Notes. Includes sections for 2022 CBC (continued).

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code Reference and Notes. Includes sections for 2022 CBC (continued).

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Table with 4 columns: Test or Special Inspection, Type, Performed By, Code Reference and Notes. Includes sections for 2022 CBC (continued).

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Table with 4 columns: Test or Special Inspection, Type, Performed By, Code Reference and Notes. Includes sections for 2022 CBC (continued).

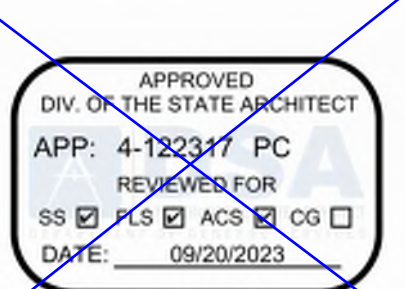
NOTE: THE DSA 103 SHOWN INCLUDES MINIMUM SPECIAL INSPECTION REQUIREMENTS AND IS PROVIDED AS EXAMPLE. ADDITIONAL TESTING AND INSPECTIONS MAY BE REQUIRED BEYOND THE SCOPE OF THE SCOREBOARD. A FINAL DSA 103 FORM SHALL BE SUBMITTED BY THE DESIGN PROFESSIONAL OF RECORD AS PART OF THE SITE SPECIFIC SUBMITTAL REQUIREMENTS. THE DESIGN PROFESSIONAL OF RECORD IS RESPONSIBLE FOR REVIEWING PROJECT SPECIFIC SPECIAL INSPECTION REPORTS. SSG STRUCTURAL ENGINEERS OR NEVCO ARE NOT RESPONSIBLE FOR PROVIDING THE PROJECT DSA 103 OR REVIEWING SPECIAL INSPECTION REPORTS. DSA 103 CAN BE FOUND AT: https://forms.dgs.ca.gov/content/forms/af/dgs/dsa/form-103/public/dsa-form-103-22.html



08.09.2023



301 East Harris Avenue, Greenville, Missouri 65249 Phone: (618) 684-0390 www.nevco.com



09/20/2023

PRE-CHECK (PC) DOCUMENT CODE: 2022

A separate project application for construction is required.

MANAGEMENT

LIONAKIS PROJECT NO: 023041

DSA APPLICATION NO: 02-121593

CLIENT PROJECT NO: 02-121593

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EXAMPLE DSA 103 - TESTING AND INSPECTIONS

SHEET INFORMATION

DATE 08.09.2023

DRAWN JMK

CHECKED MEP

SSG JOB # S23109

SHEET SBO.3

TITLE

EXAMPLE DSA 103 - TESTING AND INSPECTIONS

SHEET SBO.3

SHEET

SBO.3

IF THIS SHEET IS NOT 30" X 42" IT IS A REDUCED PRINT - SCALE ACCORDINGLY

BM190102041 - SCD03 Burbank HS Phase0004_ARCHITECT_ECOL CENTRAL.rvt 1/20/2023 3:20:01 PM

IF THIS SHEET IS NOT 30"x42" IT IS A REDUCED PRINT - SCALE ACCORDINGLY

BM13001020241 SQUID BURBANK HS F1465020241_ARCHITECT_ECOL_CENTRAL.rvt

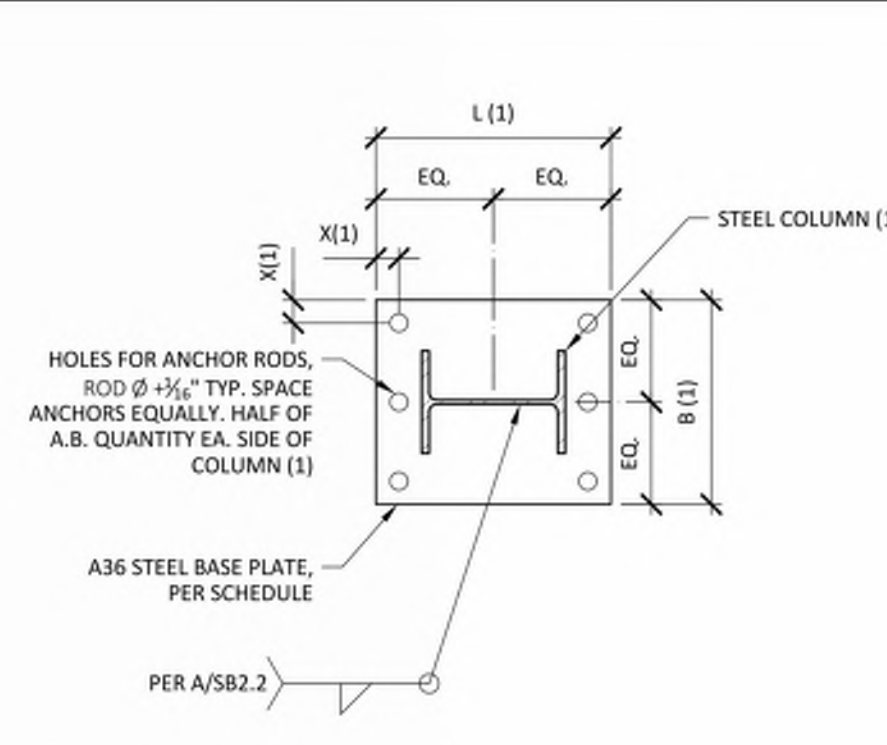
12/09/2023 3:20:02 PM

TWO COLUMN ASSEMBLY																			
ASSEMBLY WIDTH, W	CHECK OPTION THIS APPLICATION	ASSEMBLY CRITERIA			PIER FOOTING CRITERIA (2)					BASE PLATE				ANCHOR RODS					
		MAX. WEIGHT	ASSEMBLY HEIGHT, H	COLUMN SPACING, S	COLUMN SIZE	COLUMN SIZE W/O FLAG	PIER DIAMETER, d	DEPTH, D	LONG. REINF.	TRANS. REINF. (1)	THICKNESS, t	WIDTH, B	LENGTH, L	WELD	QUANTITY & DIAMETER	GRADE	EDGE DISTANCE, X	GROUT HEIGHT	EMBED
8'-0"		770 lbs.	≤ 8'-0"		W8x24	W8x24	36"	7'-0"	8-#6	#4 @ 45° o.c.	1"	20"	20"	3/16"	(4) - 1/2"	F1554 - GR.36	2 1/2"	2"	48"
		1,160 lbs.	≤ 12'-0"		W10x33	W10x33	36"	8'-0"	8-#6	#4 @ 45° o.c.	1 1/2"	20"	20"	3/16"	(4) - 1/2"	F1554 - GR.36	2 1/2"	2"	48"
		1,540 lbs.	≤ 16'-0"		W12x40	W12x40	36"	9'-0"	8-#6	#4 @ 45° o.c.	1 1/2"	20"	20"	3/16"	(4) - 1/2"	F1554 - GR.55	2 1/2"	2"	48"
9'-0"		1,520 lbs.	≤ 20'-0"		W14x61	W14x61	42"	9'-9"	8-#8	#4 @ 6° o.c.	1 1/2"	24"	24"	3/16"	(4) - 1/2"	F1554 - GR.55	2 1/2"	2"	64"
		870 lbs.	≤ 8'-0"		W8x24	W8x24	36"	7'-3"	8-#6	#4 @ 45° o.c.	1"	20"	20"	3/16"	(4) - 1/2"	F1554 - GR.36	2 1/2"	2"	48"
		1,300 lbs.	≤ 12'-0"		W10x33	W10x33	36"	8'-3"	8-#6	#4 @ 45° o.c.	1 1/2"	20"	20"	3/16"	(4) - 1/2"	F1554 - GR.36	2 1/2"	2"	48"
10'-0"		1,730 lbs.	≤ 16'-0"		W12x45	W12x40	36"	9'-3"	8-#6	#4 @ 45° o.c.	1 1/2"	20"	20"	3/16"	(4) - 1/2"	F1554 - GR.55	2 1/2"	2"	48"
		2,160 lbs.	≤ 20'-0"		W14x61	W14x61	42"	10'-0"	8-#8	#4 @ 6° o.c.	1 1/2"	24"	24"	3/16"	(4) - 1/2"	F1554 - GR.55	2 1/2"	2"	64"
		960 lbs.	≤ 8'-0"		W8x24	W8x24	36"	7'-6"	8-#6	#4 @ 45° o.c.	1"	20"	20"	3/16"	(4) - 1/2"	F1554 - GR.36	2 1/2"	2"	48"
12'-0"		1,440 lbs.	≤ 12'-0"		W10x33	W10x33	36"	8'-6"	8-#6	#4 @ 45° o.c.	1 1/2"	20"	20"	3/16"	(4) - 1/2"	F1554 - GR.36	2 1/2"	2"	48"
		2,880 lbs.	≤ 20'-0"		W14x61	W14x61	48"	10'-3"	8-#8	#4 @ 6° o.c.	1 1/2"	24"	24"	3/16"	(6) - 1/2"	F1554 - GR.55	2 1/2"	2"	64"
		1,540 lbs.	≤ 8'-0"		W10x33	W10x33	36"	8'-9"	8-#6	#4 @ 45° o.c.	1 1/2"	20"	20"	3/16"	(4) - 1/2"	F1554 - GR.55	2 1/2"	2"	48"
16'-0"		2,310 lbs.	≤ 12'-0"		W12x45	W12x40	36"	10'-3"	8-#6	#4 @ 45° o.c.	1 1/2"	24"	24"	3/16"	(6) - 1/2"	F1554 - GR.55	2 1/2"	2"	48"
		3,080 lbs.	≤ 16'-0"		W14x61	W14x61	48"	12'-0"	8-#8	#4 @ 6° o.c.	1 1/2"	24"	24"	3/16"	(6) - 1/2"	F1554 - GR.55	2 1/2"	2"	64"
		3,840 lbs.	≤ 20'-0"		W16x77	W16x77	48"	12'-0"	12-#8	#4 @ 6° o.c.	1 1/2"	24"	24"	3/16"	(6) - 1/2"	F1554 - GR.105	2 1/2"	2"	64"
18'-0"		1,730 lbs.	≤ 8'-0"		W12x35	W12x35	36"	9'-0"	8-#6	#4 @ 45° o.c.	1 1/2"	20"	20"	3/16"	(4) - 1/2"	F1554 - GR.36	2 1/2"	2"	48"
		2,600 lbs.	≤ 12'-0"		W14x48	W14x43	42"	10'-0"	8-#8	#4 @ 6° o.c.	1 1/2"	24"	24"	3/16"	(4) - 1/2"	F1554 - GR.55	2 1/2"	2"	64"
		3,460 lbs.	≤ 16'-0"		W16x77	W16x77	48"	10'-9"	8-#8	#4 @ 6° o.c.	1 1/2"	24"	24"	3/16"	(6) - 1/2"	F1554 - GR.55	2 1/2"	2"	64"
24'-0"		4,320 lbs.	≤ 20'-0"		W16x77	W16x77	48"	13'-0"	12-#8	#4 @ 6° o.c.	1 1/2"	24"	30"	3/16"	(6) - 1/2"	F1554 - GR.55	3"	2"	64"
		2,310 lbs.	≤ 8'-0"		W14x43	W14x43	36"	9'-9"	8-#6	#4 @ 45° o.c.	1 1/2"	24"	24"	3/16"	(4) - 1/2"	F1554 - GR.55	2 1/2"	2"	48"
		3,460 lbs.	≤ 12'-0"		W16x77	W16x77	48"	11'-6"	8-#8	#4 @ 6° o.c.	1 1/2"	24"	24"	3/16"	(6) - 1/2"	F1554 - GR.55	2 1/2"	2"	64"
28'-0"		4,610 lbs.	≤ 16'-0"		W16x77	W16x77	48"	11'-9"	12-#8	#4 @ 6° o.c.	1 1/2"	24"	30"	3/16"	(4) - 1/2"	F1554 - GR.55	3"	2"	64"
		5,760 lbs.	≤ 20'-0"		W18x86	W18x86	48"	13'-3"	12-#8	#4 @ 6° o.c.	1 1/2"	24"	30"	3/16"	(6) - 1/2"	F1554 - GR.55	3"	2"	64"
		6,920 lbs.	≤ 24'-0"		W18x130	W18x119	48"	14'-6"	12-#8	#4 @ 6° o.c.	2"	24"	30"	3/16"	(6) - 1/2"	F1554 - GR.105	3"	2"	64"
30'-0"		8,070 lbs.	≤ 28'-0"		W18x158	W18x143	54"	16'-0"	12-#8	#4 @ 6° o.c.	2 1/2"	24"	36"	CIP	(6) - 2"	F1554 - GR.105	4"	2"	64"
		2,600 lbs.	≤ 8'-0"		W14x43	W14x43	42"	10'-0"	8-#7	#4 @ 45° o.c.	1 1/2"	24"	24"	3/16"	(4) - 1/2"	F1554 - GR.55	2 1/2"	2"	64"
		4,040 lbs.	≤ 12'-0"		W16x77	W16x61	48"	11'-3"	8-#8	#4 @ 6° o.c.	1 1/2"	24"	30"	3/16"	(4) - 1/2"	F1554 - GR.55	3"	2"	64"
32'-0"		5,380 lbs.	≤ 16'-0"		W16x77	W16x67	48"	12'-9"	12-#8	#4 @ 6° o.c.	2"	24"	30"	3/16"	(6) - 1/2"	F1554 - GR.55	3"	2"	64"
		6,720 lbs.	≤ 20'-0"		W18x97	W18x97	48"	14'-3"	12-#8	#4 @ 6° o.c.	2"	24"	30"	CIP	(6) - 1/2"	F1554 - GR.105	3"	2"	64"
		8,070 lbs.	≤ 24'-0"		W18x143	W18x143	54"	15'-9"	12-#8	#4 @ 6° o.c.	2 1/2"	24"	36"	CIP	(6) - 2"	F1554 - GR.105	4"	2 1/2"	64"
	9,410 lbs.	≤ 28'-0"		W18x175	W18x175	54"	16'-6"	14-#8	#4 @ 6° o.c.	3"	24"	36"	CIP	(6) - 2"	F1554 - GR.105	4"	2 1/2"	64"	

NOTES: (W)
1. CONTRACTOR OPTION TO PROVIDE TIES OR SPIRAL REINFORCING. SEE C/SB2.2 FOR THE OPTION. SEE D/SB2.2 FOR SPIRAL OPTION.
2. CONTRACTOR IS RESPONSIBLE FOR CASING PIERS AND DRILLING SEQUENCING TO PROTECT PIER EXCAVATION.

TWO COLUMN SCOREBOARD INSTALLATION

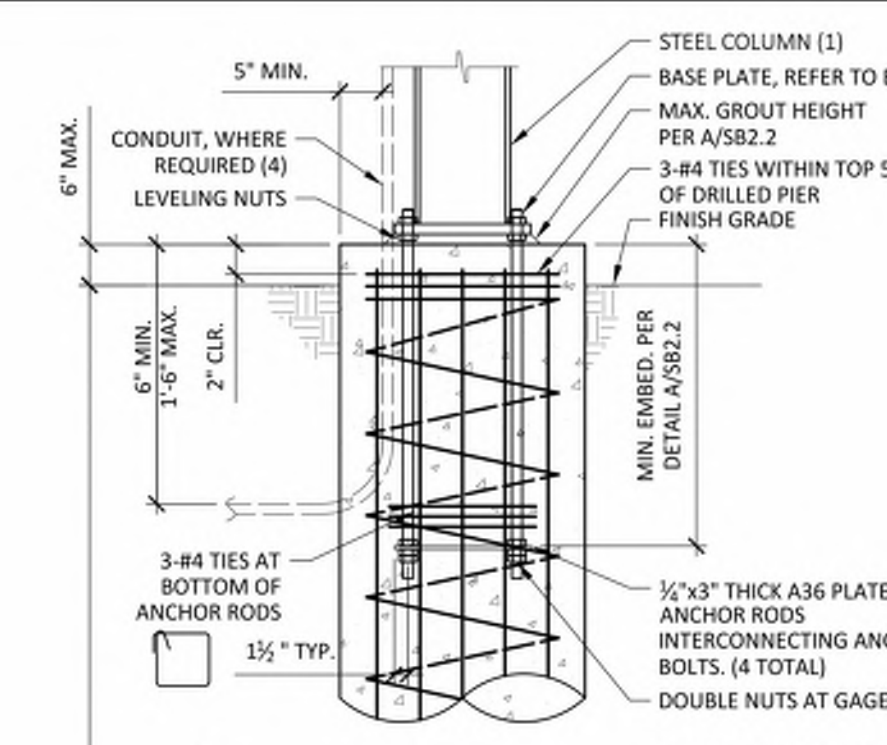
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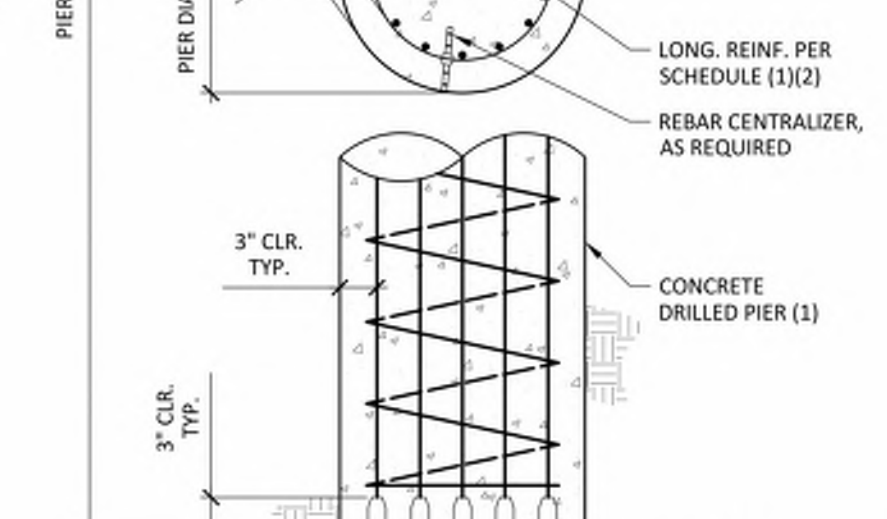
NOTES: (W)
1. SEE SCOREBOARD ELEVATION, A/SB2.2
N.T.S.



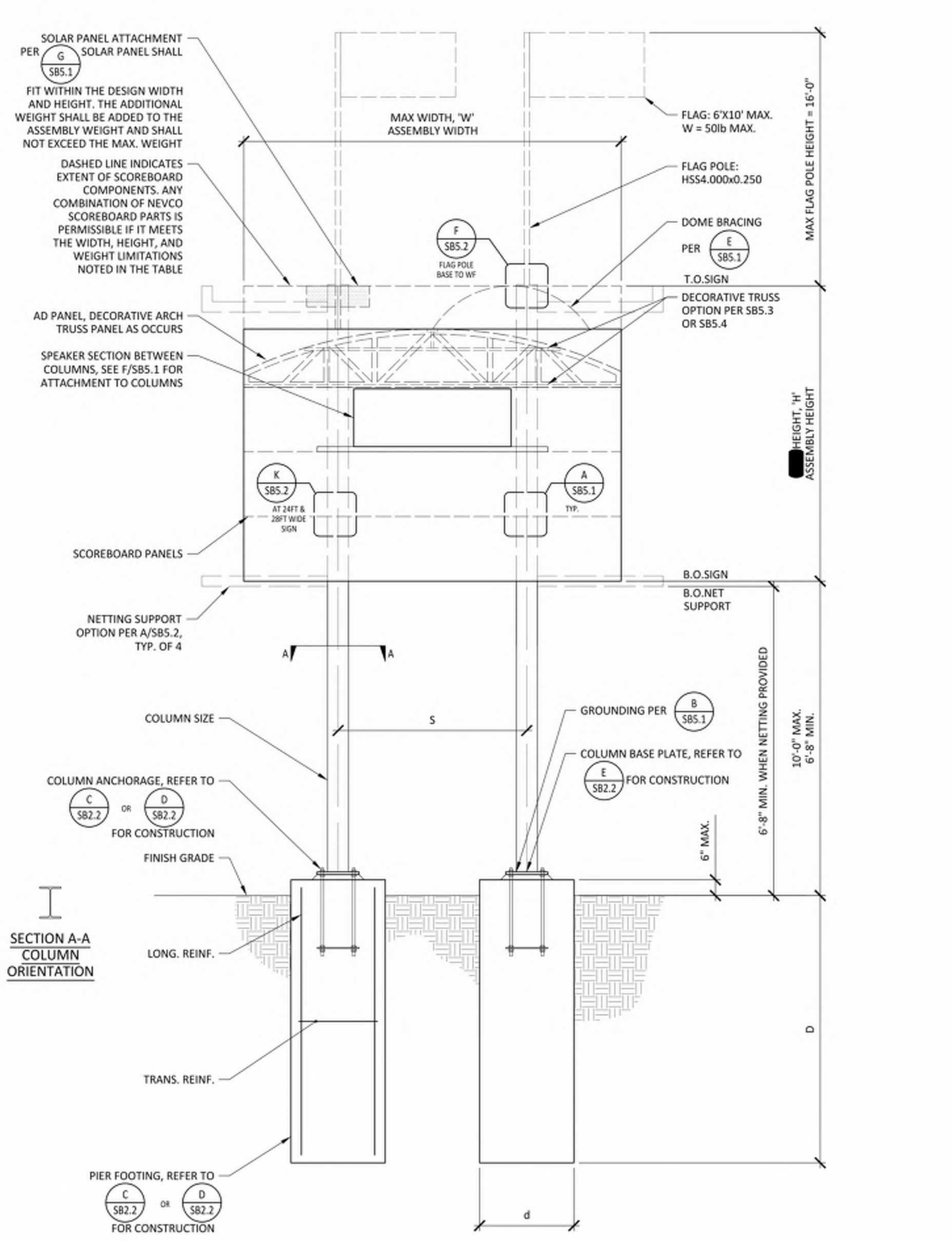
NOTES: (W)
1. SEE ELECTRONIC SIGN ELEVATION, A/SB2.2
2. SEE DETAILS B/SB2.2 FOR REINFORCEMENT REQUIREMENTS
3. DO NOT SPICE REINFORCEMENT
4. LOCATION OF CONDUIT APPROACH SHOWN GRAPHICALLY ONLY FOR REFERENCE. VERIFY ACTUAL CONDITIONS IN FIELD. (2) 2" NOMINAL CONDUIT MAX. SPACE CONDUIT 6"x6" MIN.
5. THE SHALL OVERLAP ITSELF A MINIMUM OF 6" AND HOOK AT VERTICAL BASIS. MAXIMUM OF THREE VERTICAL BAR SPACINGS BETWEEN HOOKS



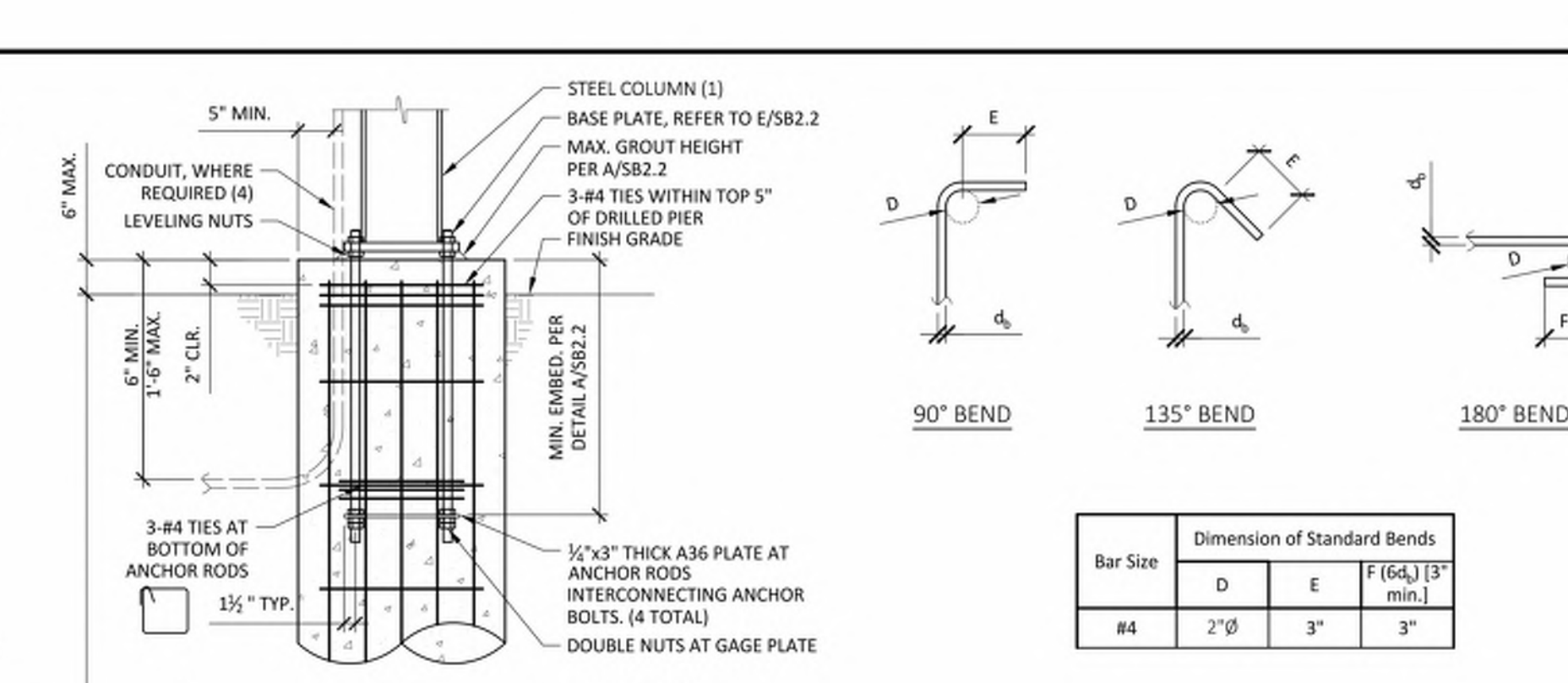
NOTES: (W)
1. SEE ELECTRONIC SIGN ELEVATION, A/SB2.2
2. SEE DETAILS B/SB2.2 FOR REINFORCEMENT REQUIREMENTS
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5. THE SHALL OVERLAP ITSELF A MINIMUM OF 6" AND HOOK AT VERTICAL BASIS. MAXIMUM OF THREE VERTICAL BAR SPACINGS BETWEEN HOOKS



ELEVATION



TIE AND STIRRUP BENDS
N.T.S.

SSG structural engineers

REGISTERED PROFESSIONAL ENGINEER
No. 5405
STRUCTURAL
STATE OF CALIFORNIA
06/09/2010
06/09/2023

NEVCO
301 East Harris Avenue, Greenville, Illinois 62248
Phone: (618) 664-0800
www.nevco.com

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 4-122317 PC
REVIEWED FOR
SS FLS ACS
DATE: 09/20/2023

PROJECT
LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE, SACRAMENTO, CA 95824

MARK	DATE	DESCRIPTION
	12/01/2023	DSA APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2022
A separate project application for construction is required.

MANAGEMENT	DATE
LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	
COPYRIGHT:	LIONAKIS 2022

TWO COLUMN CAISSON - BOLTED

08.09.2023

JMK

MEP

S23109

SB2.2

TITLE
TWO COLUMN CAISSON - BOLTED

SH2

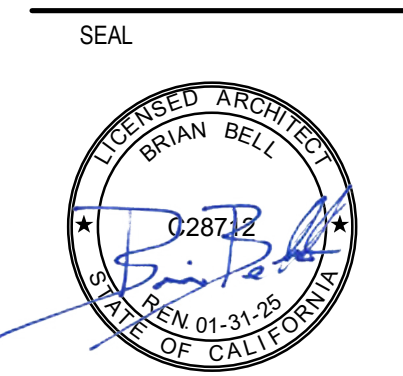
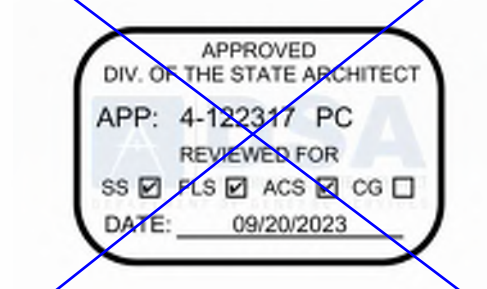
SB2.2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121593 INC.
REVIEWED FOR
SS FLS ACS
DATE: 12/18/2023

LIONAKIS

2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900 F 916.558.1919
www.lionakis.com

CONSULTANT



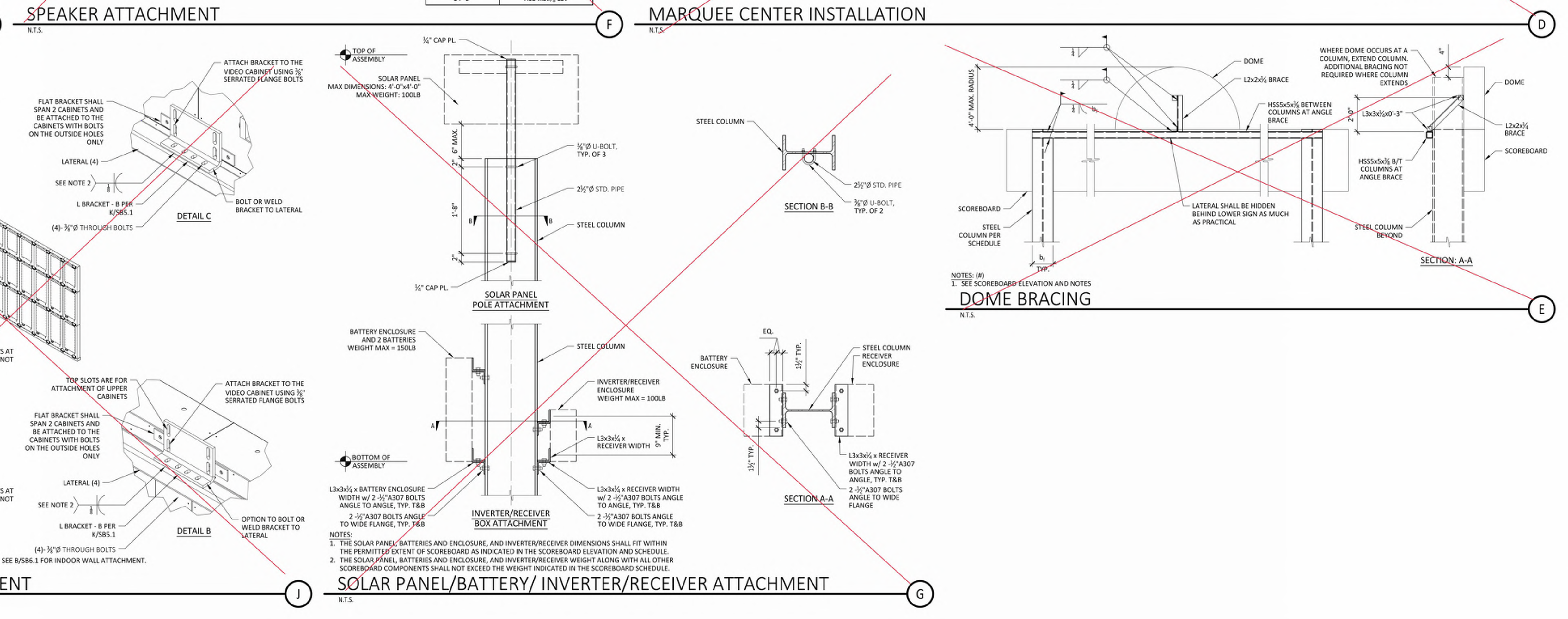
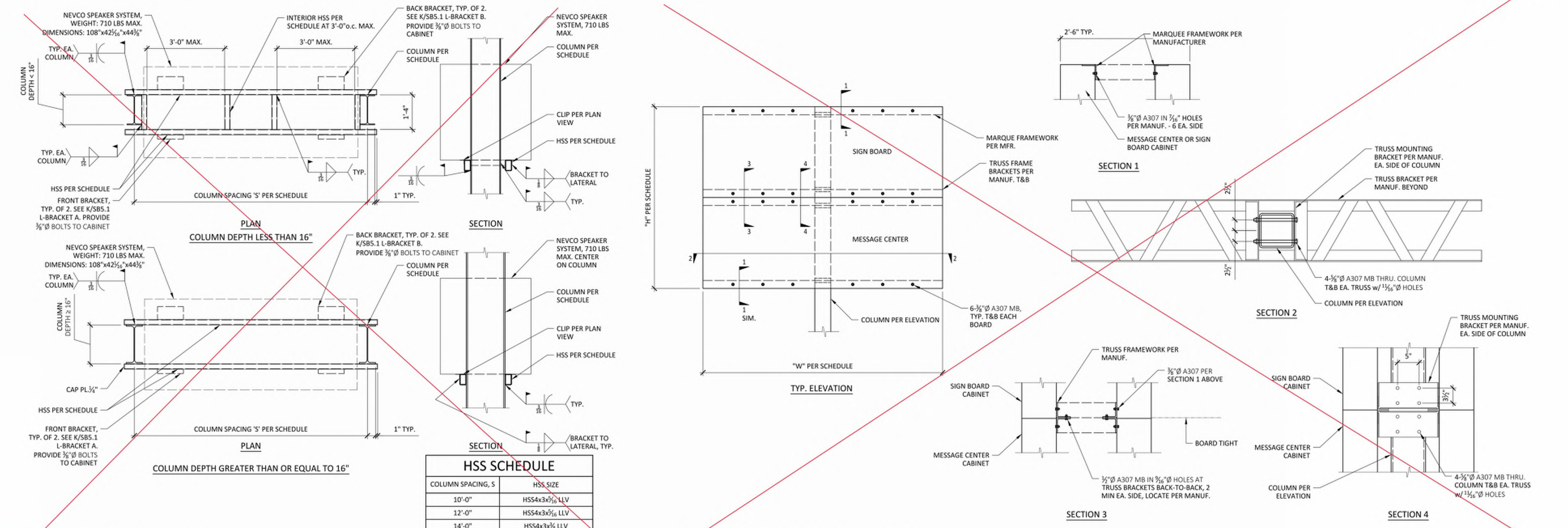
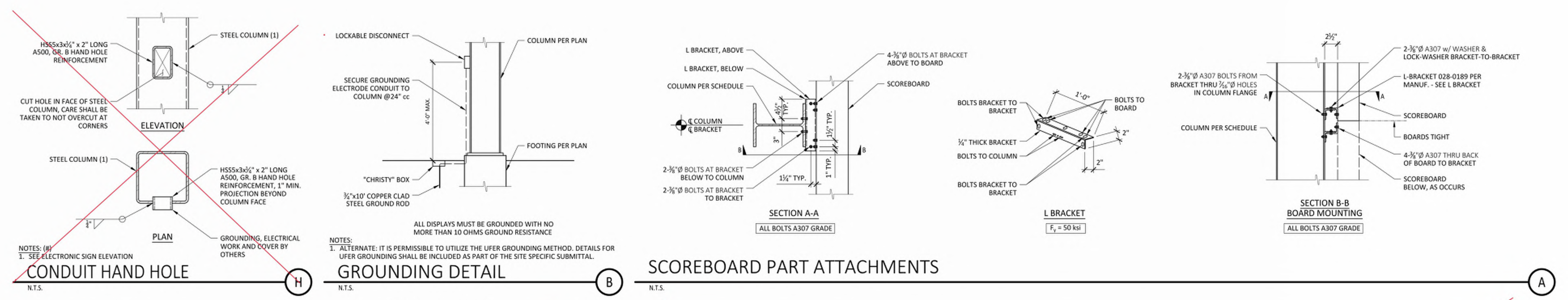
ISSUED	MARK	DATE	DESCRIPTION
		12/01/2023	DSA APPROVAL

PRE-CHECK (PC) DOCUMENT
 CODE: 2022

A separate project application
 for construction is required.

**ATTACHMENT
 DETAILS**

DATE	08.09.2023
DRAWN	JMK
CHECKED	MEP
SGD JOB #	S23109
SHEET	SB5.1



HSS SCHEDULE	
COLUMN SPACING, S	HSS SIZE
10'-0"	HSS4x3 1/2x1/4 LLV
12'-0"	HSS4x3 1/2x1/4 LLV
14'-0"	HSS4x3 1/2x1/4 LLV

IF THIS SHEET IS NOT 30"x42" IT IS A REDUCED PRINT - SCALE ACCORDINGLY

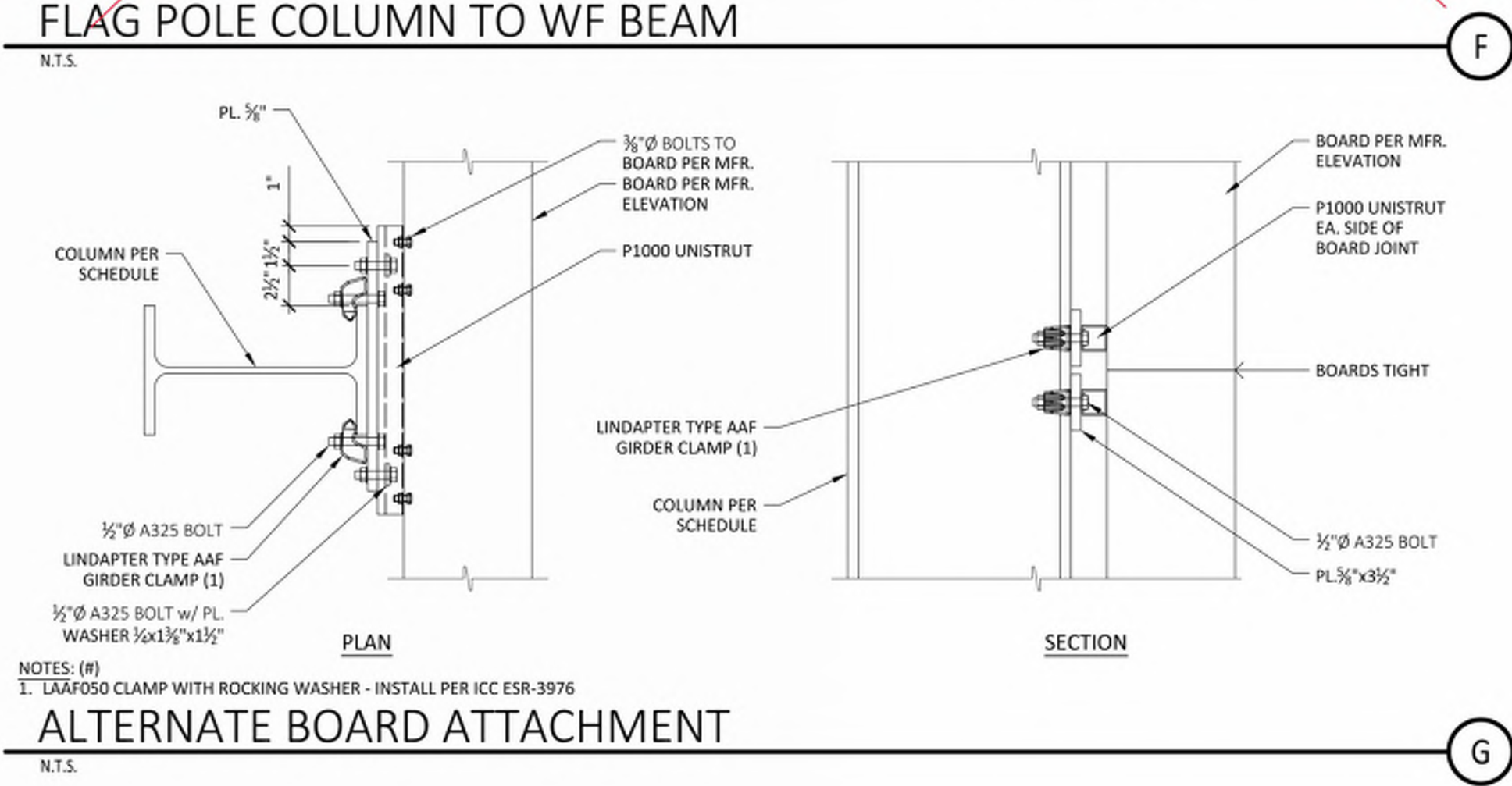
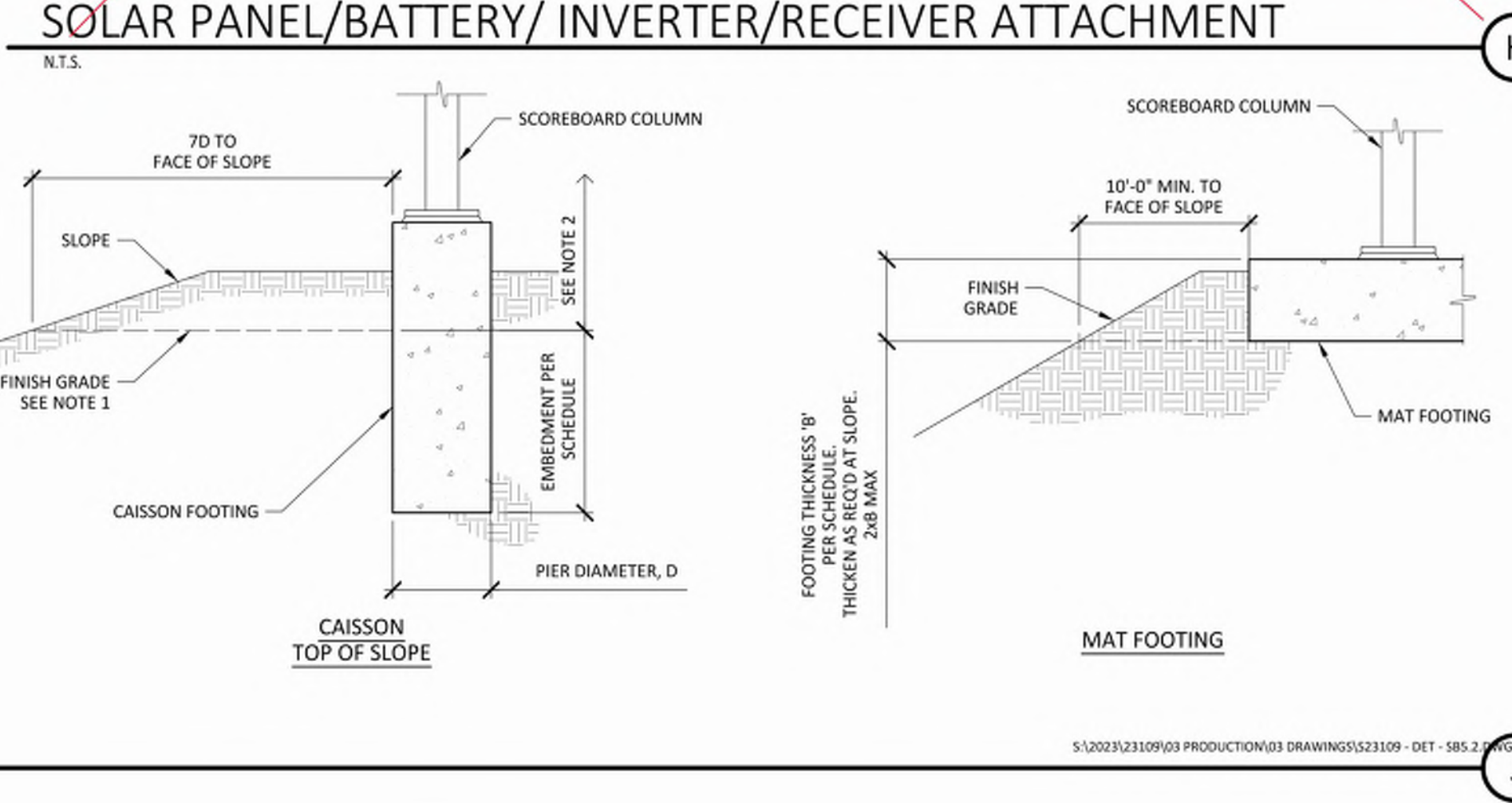
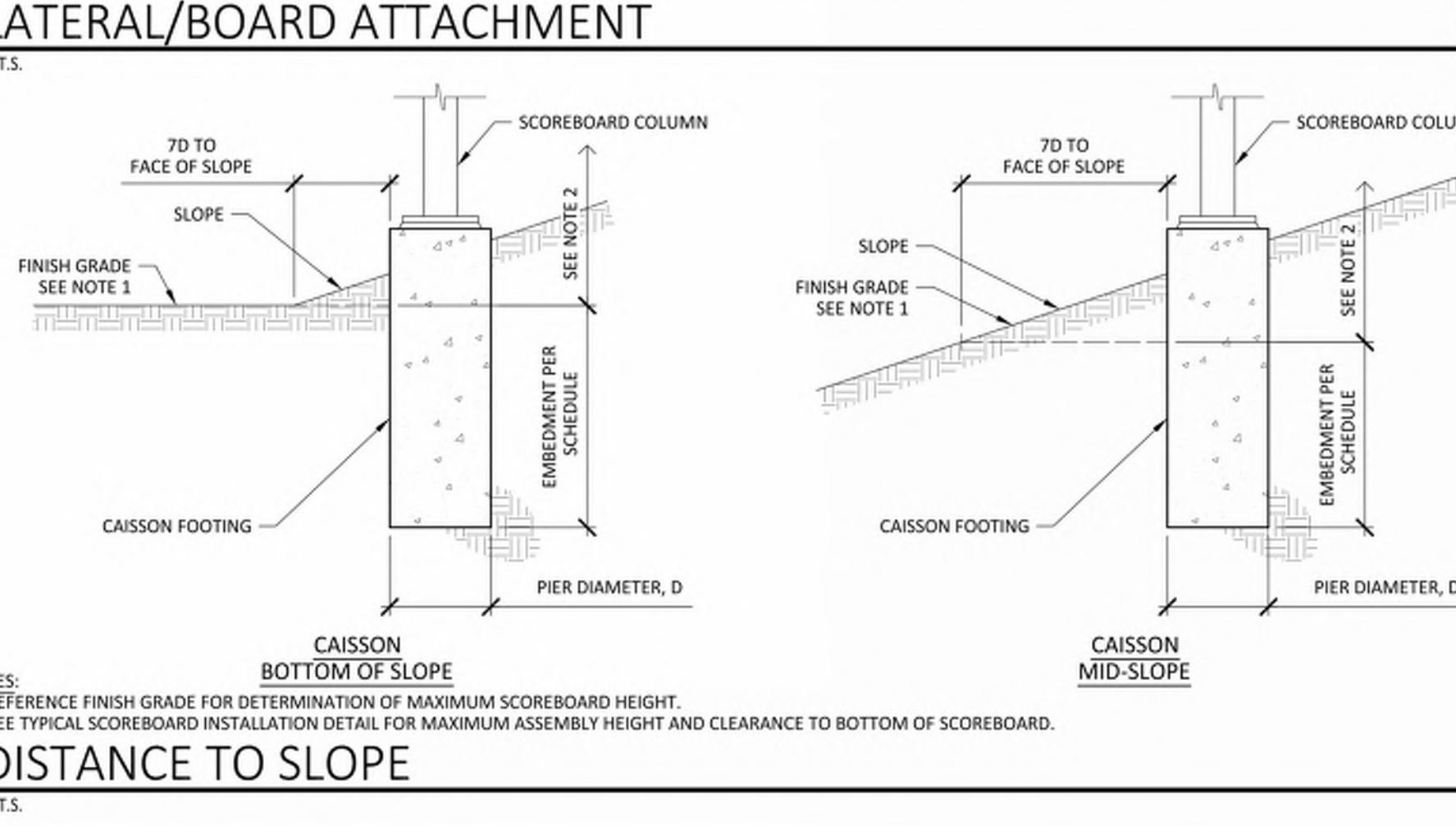
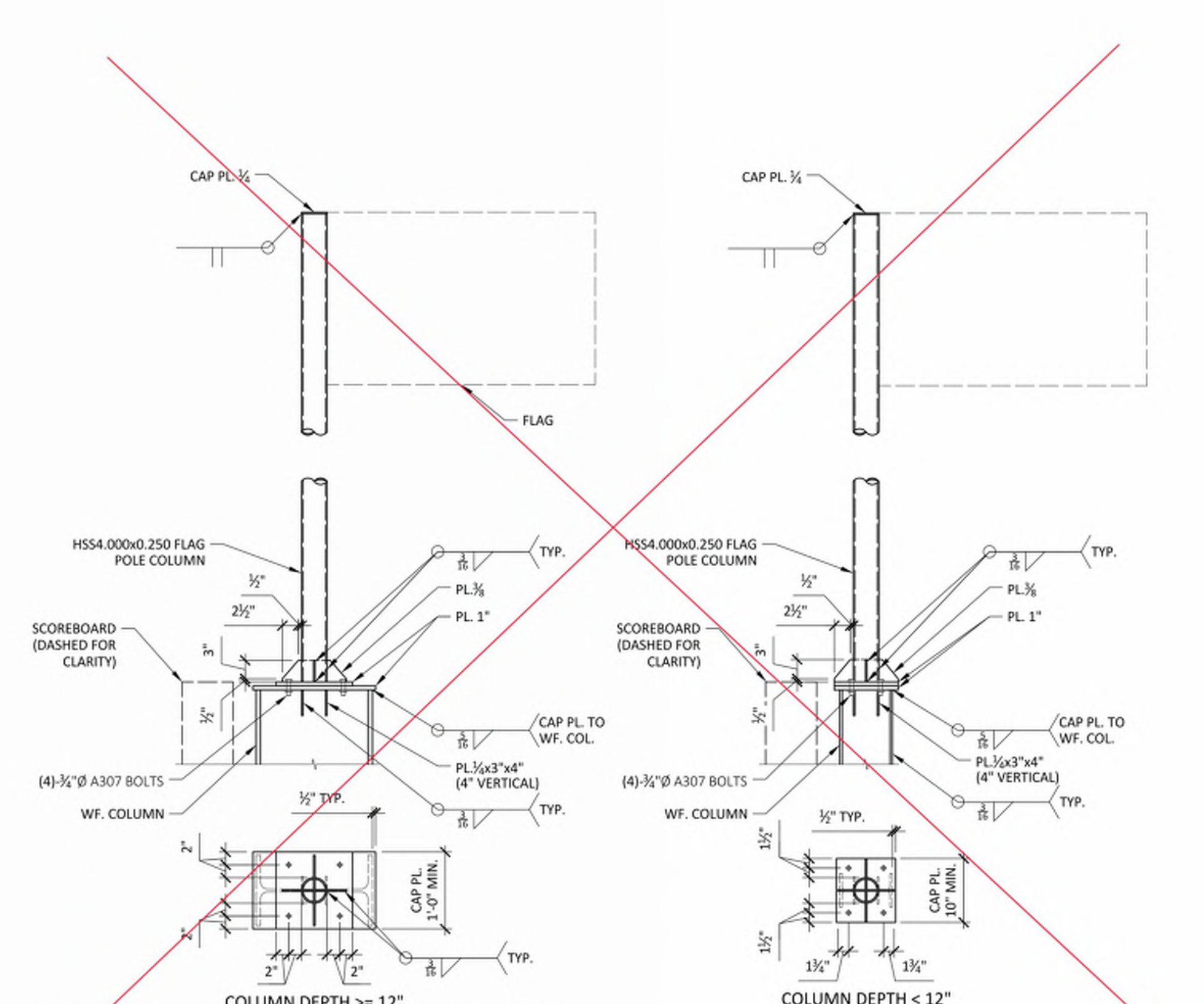
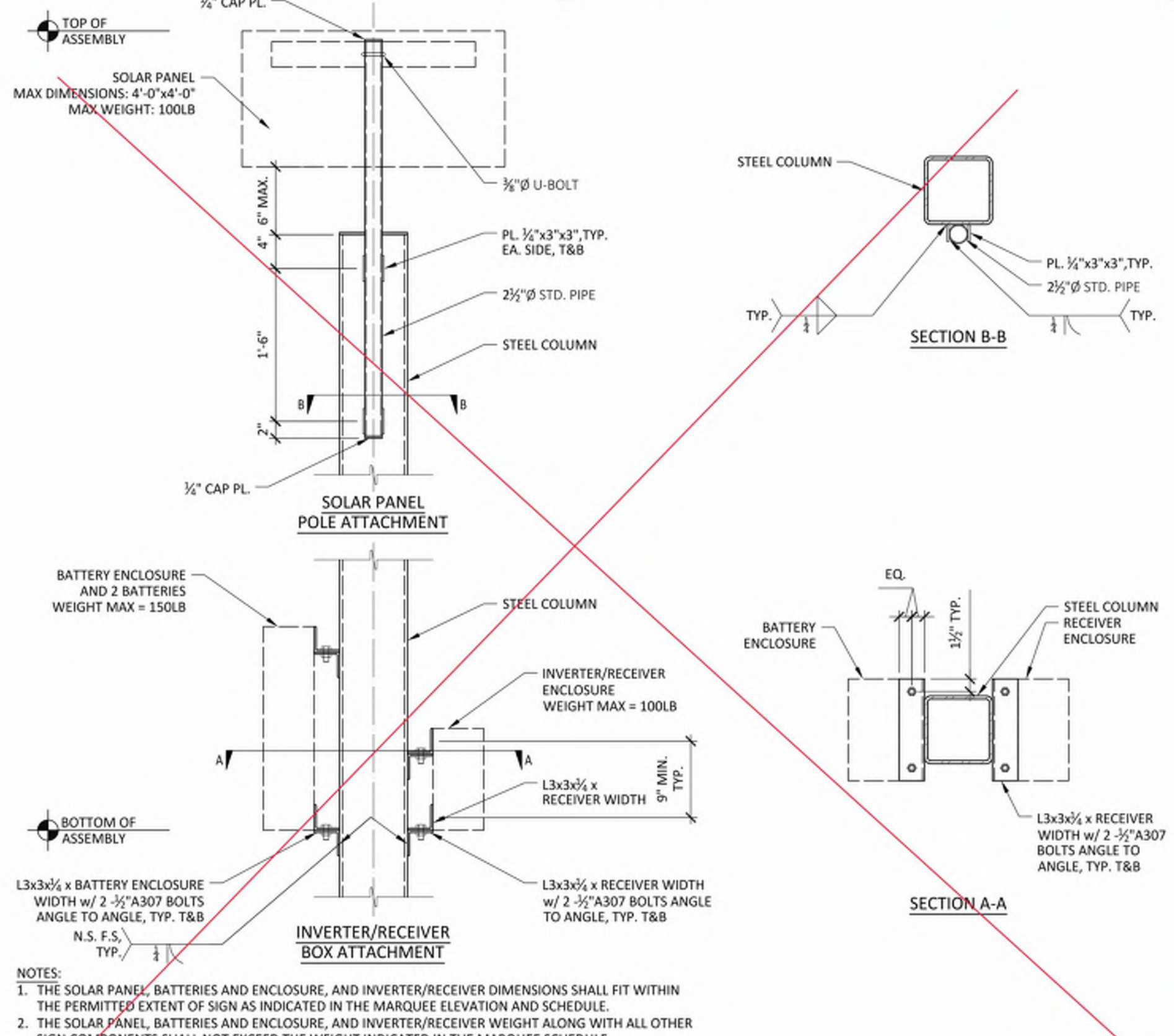
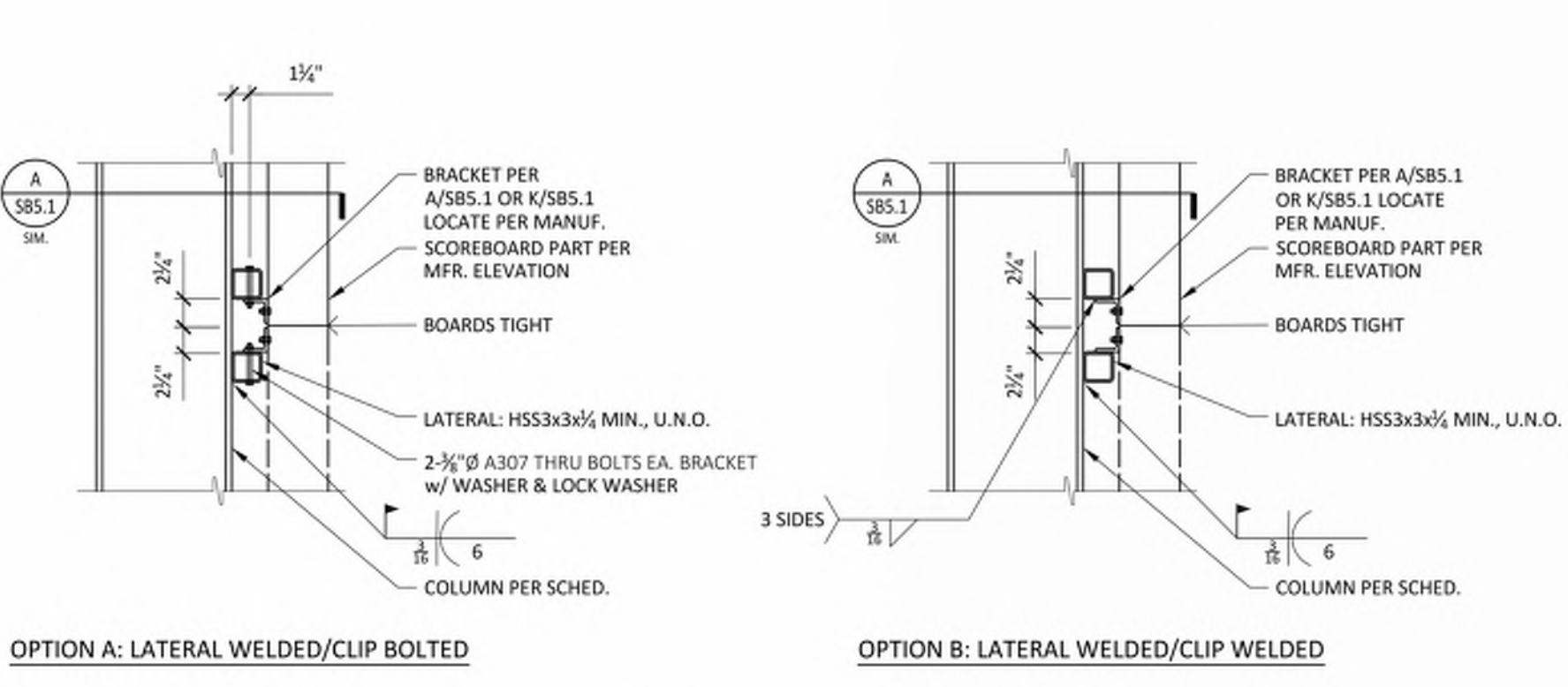
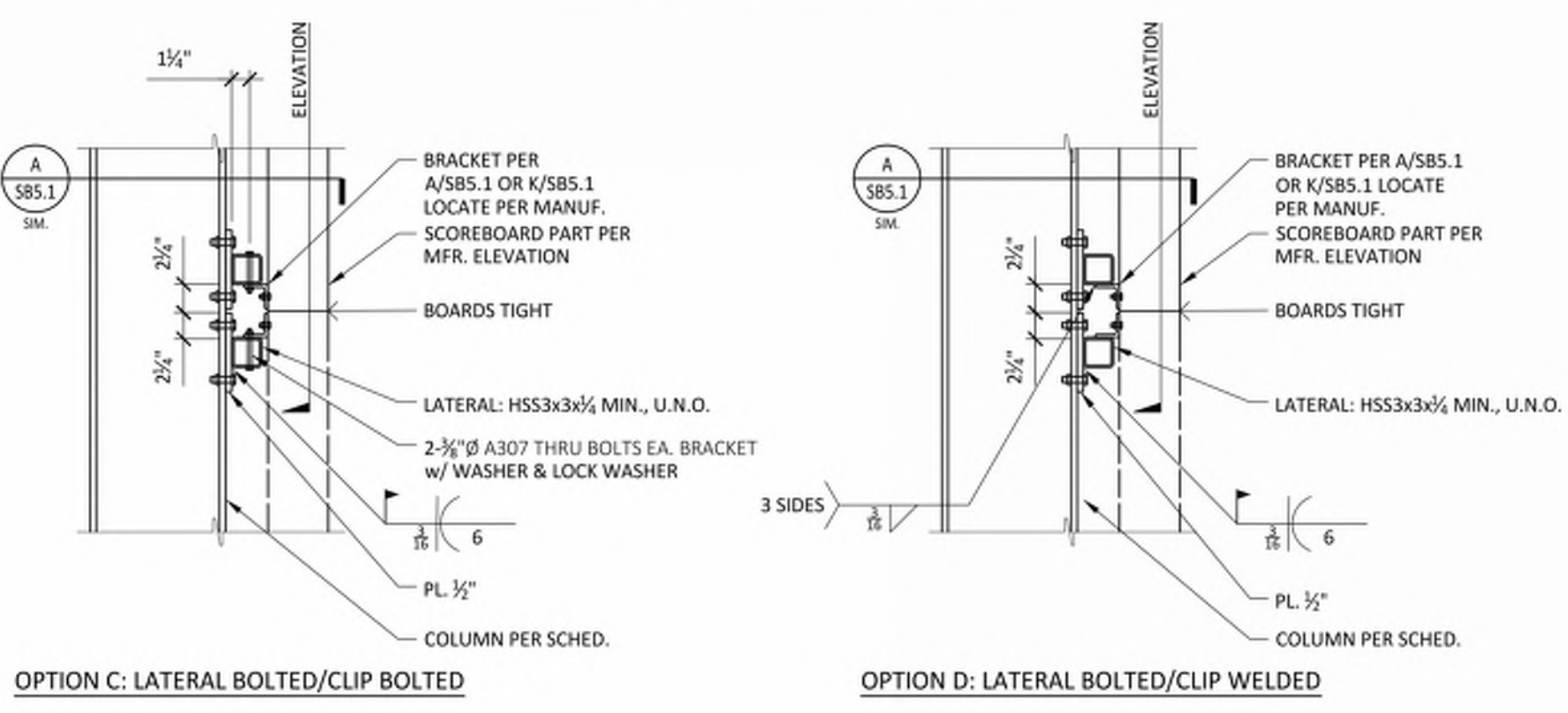
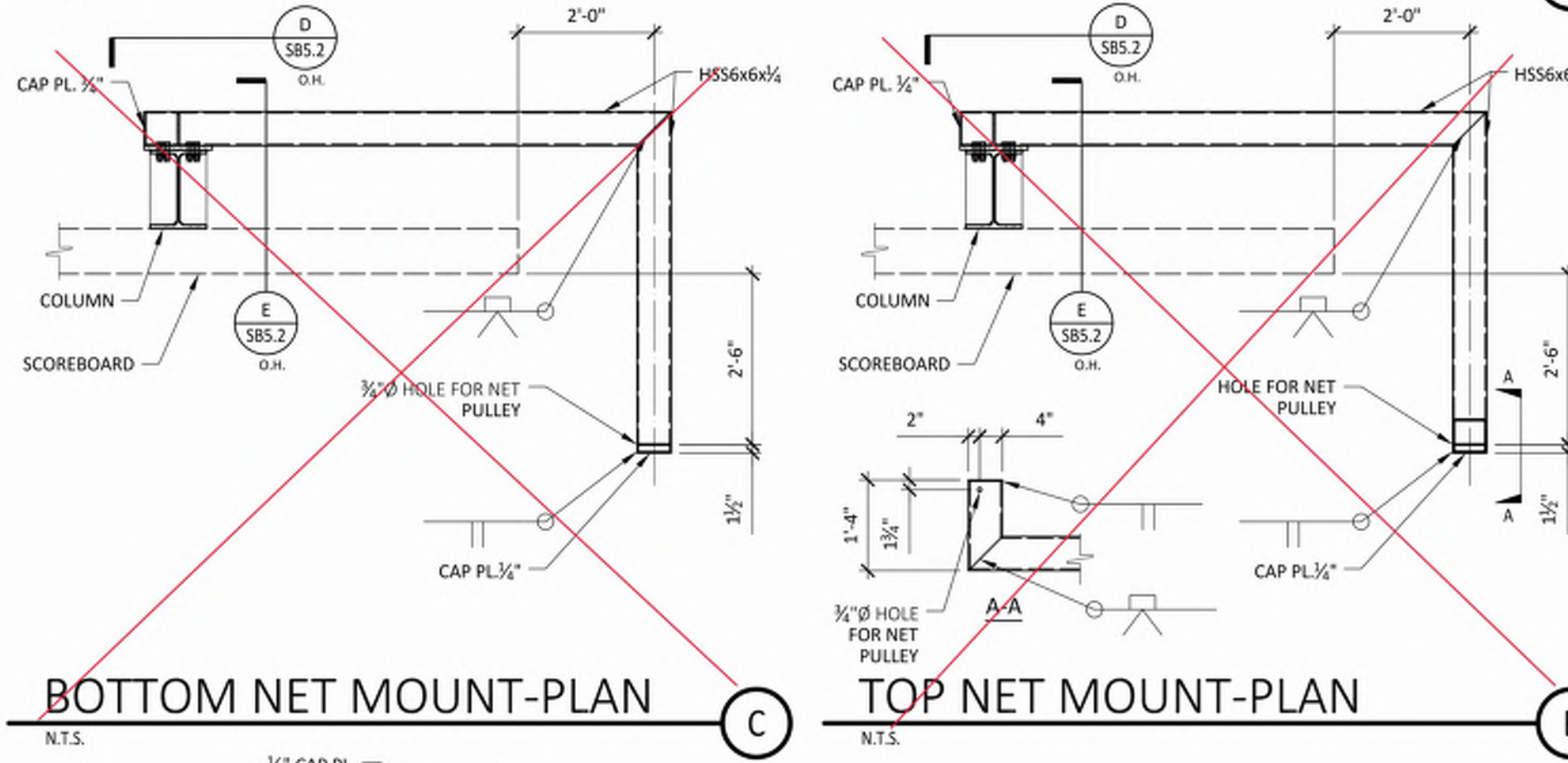
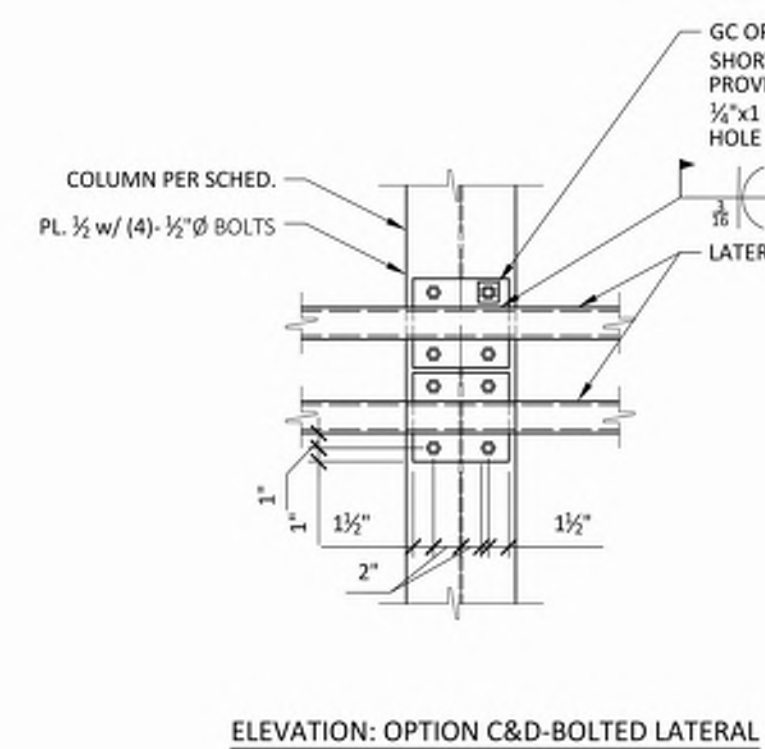
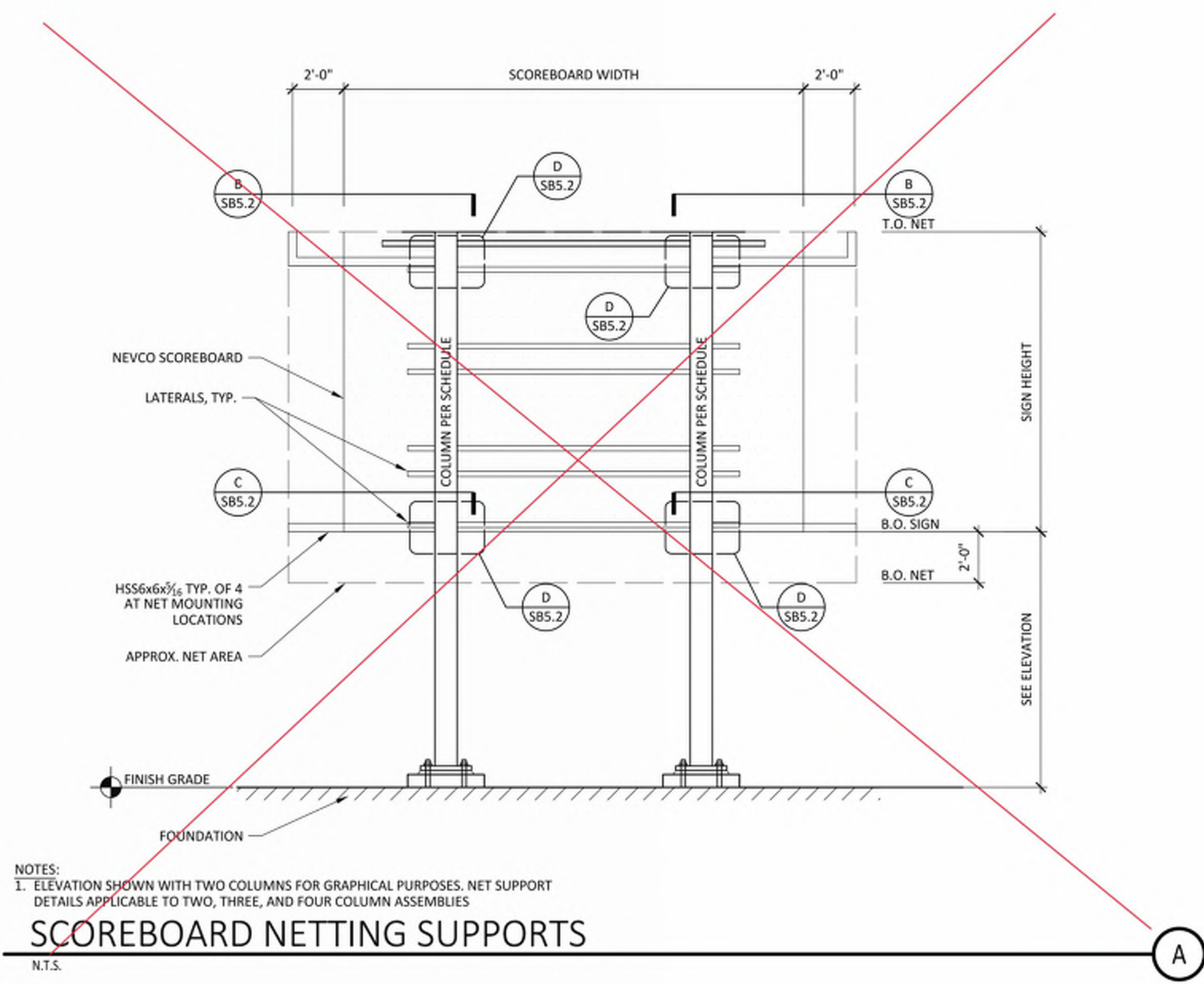
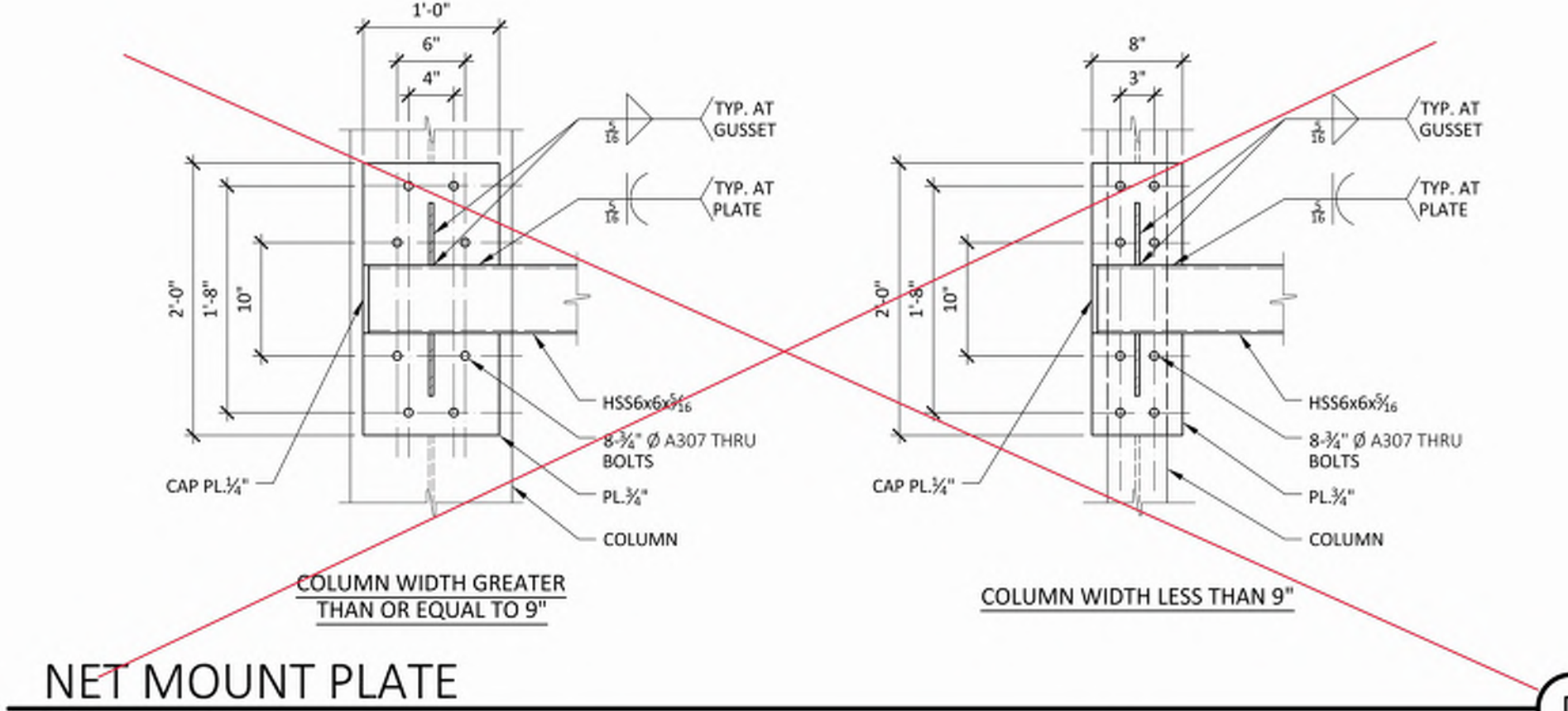
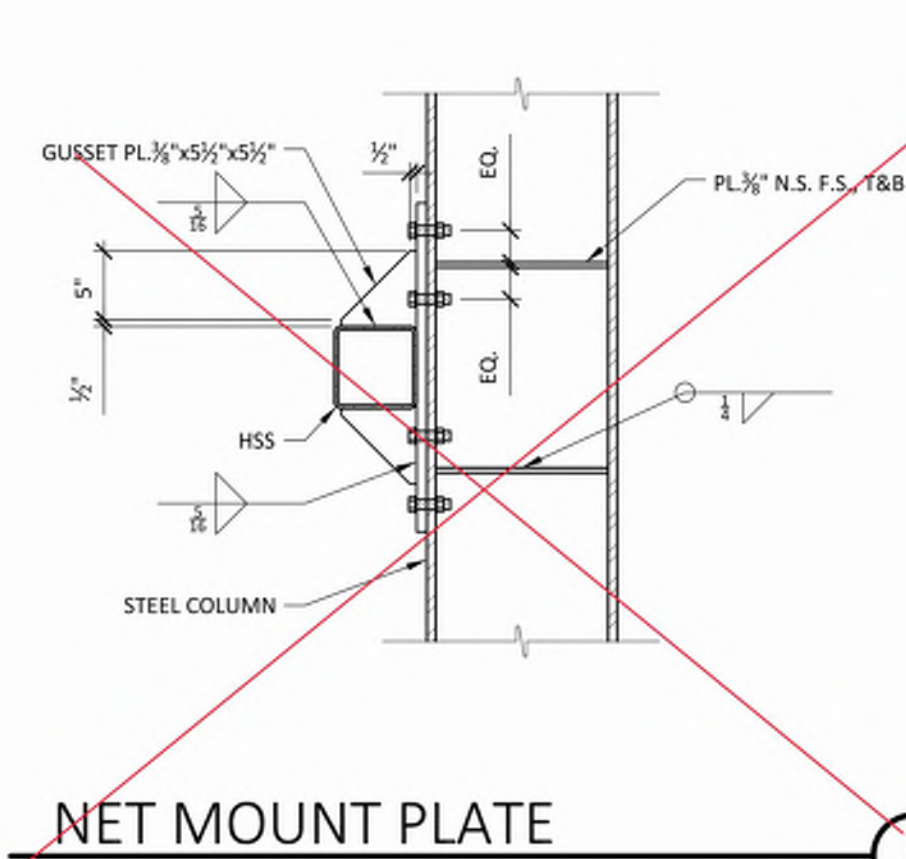
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121593 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 12/18/2023



PRE-CHECK (PC) DOCUMENT
CODE: 2022
A separate project application for construction is required.

MARK	DATE	DESCRIPTION

MANAGEMENT

LIONAKIS PROJECT NO:	023041
DSA APPLICATION NO:	02-121593
CLIENT PROJECT NO:	
COPYRIGHT:	LIONAKIS 2022

OPTIONAL SCOREBOARD FEATURE ATTACHMENT DETAILS

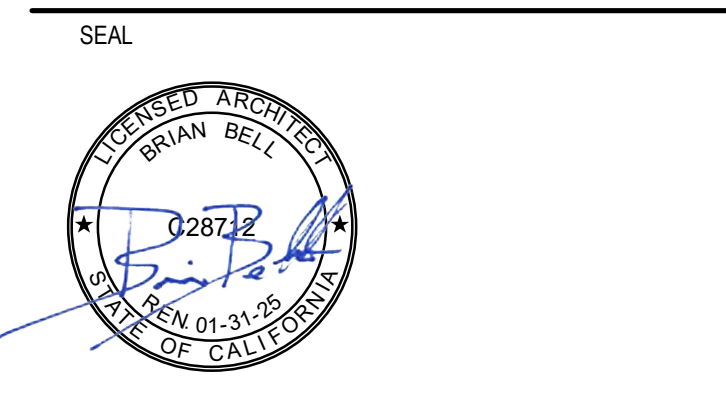
SHEET INFORMATION

DATE	08.09.2023
DRAWN	JMK
CHECKED	MEP
SSG JOB #	S23109
SHEET	SB5.2

LIONAKIS

2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900 F 916.558.1919
www.lionakis.com

CONSULTANT



PROJECT
LUTHER BURBANK HIGH SCHOOL
ATHLETIC FIELDS RENOVATION

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CLIENT
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MANAGEMENT

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TITLE
OPTIONAL SCOREBOARD
FEATURE ATTACHMENT
DETAILS

SHEET
SB5.2