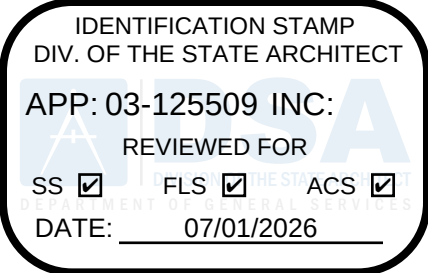


VENTURA HIGH SCHOOL
TRACK AND FIELD REPLACEMENT
& BLEACHER UPGRADE
2 NORTH CATALINA STREET, VENTURA, CA 93001

Submittal	Date
100% SCHEMATIC DESIGN	12/10/2024
100% DESIGN DEVELOPMENT	04/11/2025
100% CONSTRUCTION DOCS	09/01/2025



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VENTURA HIGH SCHOOL
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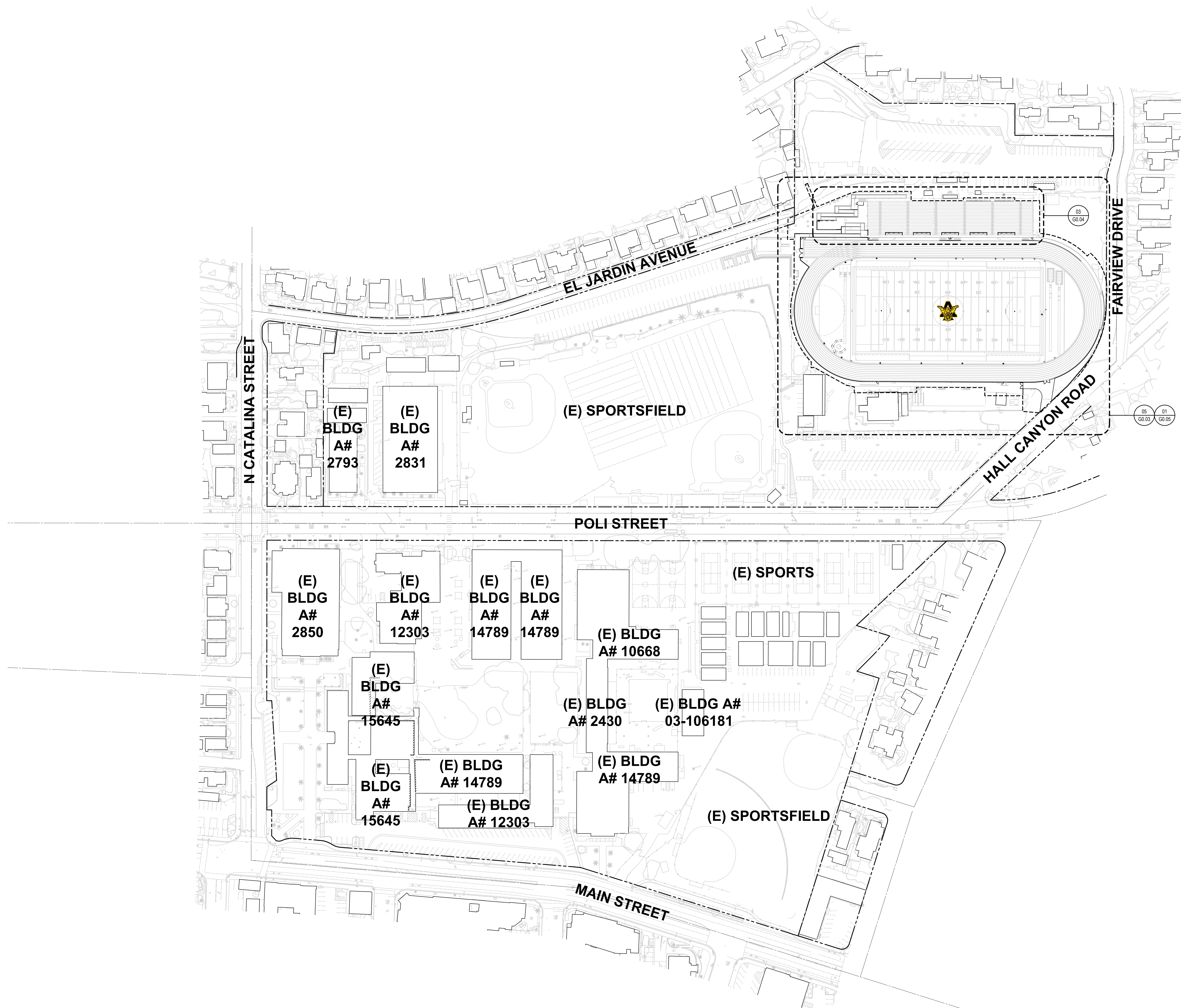
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DSA BACKCHECK	11/01/2025
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DSA BACKCHECK	07/01/2026

Job Number	32321
Checked By	AW,MM
Scale	

OVERALL SITE PLAN

G0.02



WORKING STALLS # 03-124683
WOMENS RESTROOM A# 03-111301; SEE SHEET G0_06
WOMENS RESTROOM A# 03-111301; SEE SHEET G0_06
WORKING FOUNTAIN A# 03-111301; SEE SHEET G0_06
WOMENS RESTROOM (NO WORK)
WOMENS RESTROOM (NO WORK)
PRELIMINARY SIGNAGE DETAILS SEE 20/G0_06 ATTACH TO LETTERS SET AT A HEIGHT BETWEEN 4'-6" FROM GROUND, LEFT BELOW SIGNS AT 3 LOCATIONS

KEY NOTE	DESCRIPTION
01	EXISTING ACCESSIBLE PARKING STALLS AF 03-124683
02	EXISTING ACCESSIBLE MENS RESTROOM AF 03-111301; SEE SHEET G0.06
03	EXISTING ACCESSIBLE WOMENS RESTROOM AF 03-111301; SEE SHEET G0.06
04	EXISTING ACCESSIBLE DRINKING FOUNTAIN AF 03-111301; SEE SHEET G0.06
05	EXISTING NON-ACCESSIBLE MENS RESTROOM (NO WORK)
06	EXISTING NON-ACCESSIBLE WOMENS RESTROOM (NO WORK)
07	ACCESSIBLE RESTROOM DIRECTIONAL SIGNAGE DETAILS SEE 20.06.08. ATTACH TO THE FENCE WITH BRALE LETTERS SET AT A HEIGHT BETWEEN 48" 60" FROM GROUND. ATTACH ARROW POINTING LEFT BELOW SIGNS AT 3 LOCATIONS.

1. REFER TO CIVIL/LANDSCAPE DRAWINGS FOR DETAILED SITE INFORMATION.
2. GATES IN PATH OF EGRESS MUST COMPLY WITH EXIT DOOR REQUIREMENTS. PROVIDE LEVER HANDWARE AND KICK PLATE.
3. CONCRETE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND REPLACEMENT OF CONCRETE FOR ALL PLUMBING AND ELECTRICAL UPGRADES.
4. CONTRACTOR SHALL REMOVE HARDSCAPE AND LANDSCAPE. PROVIDE TRENCING, AND RESTORE HARDSCAPE AND LANDSCAPE AS REQUIRED FOR THE INSTALLATION OR REPAIR OF NEW AND EXISTING SITE UTILITIES. COORDINATE WITH ALL DISCIPLINES WHERE REMOVAL OF CONCRETE WALKS, MOW BANDS, CURBS AND GUTTERS IS REQUIRED TO INSTALL UNDERGROUND UTILITIES. REMOVE THE CONCRETE WORK TO THE NEAREST EXISTING EGRESS OR CONTROL JOINT (SAFETY CUT IF REQUIRED). CURBS AND GUTTERS MAY BE REMOVED IN MINIMUM LENGTHS OF 6" IF THE DISTANCE BETWEEN EXISTING JOINTS IS 12' OR MORE. REPLACE REMOVED WORK WITH REINFORCED CONCRETE TO MATCH ADJACENT EXISTING WORK IN PROFILE, JOINT LAYOUT AND FINISH.
5. CONTRACTOR SHALL REPLACE, RECONSTRUCT AND REPAIR ALL EXISTING WORK THAT IS IMPACTED, DAMAGED, OR DESTROYED AS A RESULT OF ANY CONTRACTOR WORK INCLUDING, BUT NOT LIMITED TO, HARDSCAPE, SIDEWALKS, IRRIGATION SYSTEMS, LANDSCAPING, LAWNS, STRUCTURES, AND UTILITIES. ALL TO THE SATISFACTION OF THE ARCHITECT. TREES REQUIRING REMOVAL OR INSTALLATION OF SITE WORK AND NEW INFRASTRUCTURE/UTILITIES SHALL BE REPLACED WITH LIKE SPECIES USING 24" BOX SPECIMENS.
6. WHERE ASPHALT IS BEING REPAVED, CONTRACTOR SHALL PROVIDE EVEN AND STRAIGHT LINE CUTS WITH 2 FOOT STRAIGHT SURRY SEAL SURFACE PATCH ON BOTH SIDES OF CUT.
7. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUIT, ETC. AND TO PREVENT HAZARD TO PERSONNEL. IF EXISTING UTILITIES ARE DISCOVERED OR STRUCTURES ARE FOUND, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT THROUGH SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
8. REPAIR, REROUT (E) IRRIGATION PIPE REQUIRED AS A RESULT OF CONSTRUCTION RECONFIGURE SPRINKLER HEADS TO PROVIDE COMPLETE COVERAGE OF TURF AREAS ADJACENT TO NEW BUILDINGS. CONFIGURE HEADS TO SPRAY AROUND FROM NEW BUILDINGS.
9. DSA NUMBERS NOTED ON PLAN INDICATE WORK COMPLETED PRIOR TO COMMENCEMENT OF WORK HEREWITH, OR INDICATE PREVIOUSLY APPROVED PLANS TO BE CONSTRUCTED CONCURRENTLY WITH THE APPLICATION.

DSA APPLICATION NUMBERS

BUILDING	PROPOSED SCOPE OF WORK	APPLICATION NUMBER	CERTIFIED	DATE CERTIFIED
TEMP. TEAM ROOM	ADA UPGRADES	03-124683	PENDING	
BLEACHER SEAT	NO SCOPE	03-106360	#1	10/24/2008
FIELD HOUSE	NO SCOPE	03-111301	#1	05/04/2011
MOD. R.R. VISITOR	NO SCOPE	03-111301	#1	05/04/2011
MOD. R.R. HOME	NO SCOPE	03-106360	#1	10/24/2008
FIELD HOUSE	NO SCOPE	26578	#2	

PARKING CALCULATIONS

EXISTING PARKING LOT 'E' #03-124683: 96 SPACES
MINIMUM # OF REQUIRED ACCESSIBLE PARKING SPACES: (4 TOTAL)
PROVIDED SPACES:
1 VAN ACCESSIBLE
4 REGULAR ACCESSIBLE

EXISTING PARKING LOT 'D' (N.I.C.): 128 SPACES
MINIMUM # OF REQUIRED ACCESSIBLE PARKING SPACES: (5 TOTAL)
PROVIDED SPACES:
1 VAN ACCESSIBLE
1 REGULAR ACCESSIBLE

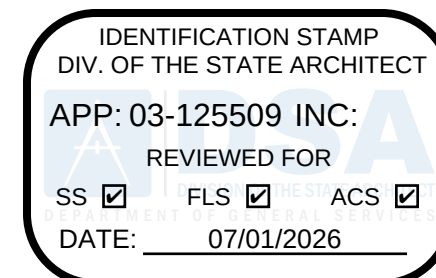
LEGEND

SYMBOL	DESCRIPTION
	RESTROOM
	LIMIT OF WORK
	NEW PATH OF TRAVEL
	PREVIOUSLY APPROVED PATH OF TRAVEL PER #A03-124683, #03-111501, #03-106360

NOTE: REFER TO LANDSCAPE AND CIVIL DRAWINGS FOR ALL SITE WORK, UTILITY AND LANDSCAPING INFORMATION AND DETAILS, INCLUDING SITE VEHICLE AND PEDESTRIAN GATES

PATH OF TRAVEL NOTES

1. SITE DEVELOPMENT REQUIREMENTS
 - A. PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESSIBLE ROUTE WITHOUT ANY ABSURPT LEVEL, CHANGES EXCEEDING 1/2" BEVEL AT A SLOPE NOT STEEPER THAN 1:2. EXCEPT THAT LEVEL CHANGES ARE 1/4" MAXIMUM VERTICAL AND AT LEAST 0.8% WIDE. SURFACE SHALL BE STABLE, FIRM, AND SLIP RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:4H AND RUNNING SLOPE SHALL NOT BE STEEPER THAN 1:20. STEPS SHALL BE 18" MAXIMUM DEPTH. MAXIMUM 12" MAXIMUM DEPTH SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (SECTION 11-8307.4) AND FREE OF PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL SURFACE BETWEEN 27" AND 80" ABOVE FINISH FLOOR OR GROUND. SECTION 11-8307.4 SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTIONS AND ANY ADJOINING JOINTS BETWEEN NEW AND EXISTING WALK SURFACES IN P.O.T.
 - B. ARCHITECT & CONTRACTOR TO VERIFY THAT ALL OBSTACLES IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR TO BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC SECTION 11B-206.
 - C. MAXIMUM DROP BETWEEN FINISH GRADES AND THE TOP OF THE P.O.T. SHALL NOT EXCEED 4". PROVIDE "WARNING CURB" PER THE HAZARDOUS SECTION OF CBC SECTION 11B-303.5 IF IT EXCEEDS 4".
 - D. OPENINGS IN GRATING OR STRAINERS LOCATED IN PEDESTRIAN CIRCULATION PATHS OR IN PATH OF TRAVEL, SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 3/4" DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT LONG DIMENSION IS PERPENDICULAR TO THE DIRECTION OF TRAVEL IN COMPLIANCE WITH SECTION 11B-302.3. WHERE NO DIRECTION OF TRAVEL IS DEFINED, 3/4" MAX OPENINGS IN ALL DIRECTIONS IS REQUIRED.
 2. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH CURRENT APPLICABLE CALIFORNIA AND LOCAL CODES AND ORDINANCES. PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO NOT COMPLY WITH 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 ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON THE VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARSHNESS ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
- DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANCE ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CODE OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.



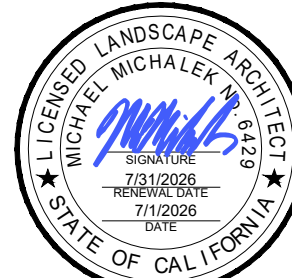
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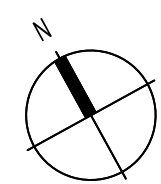
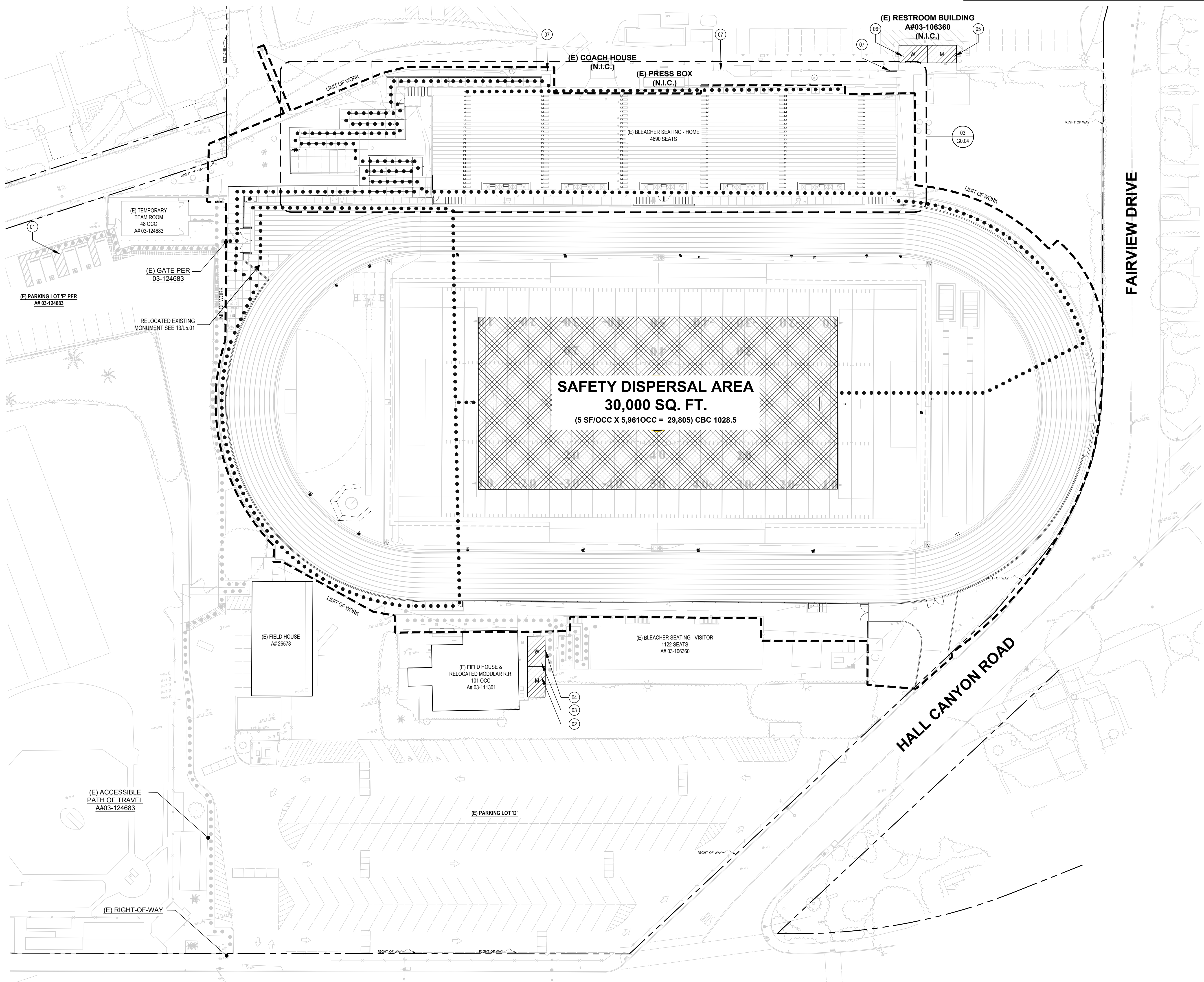
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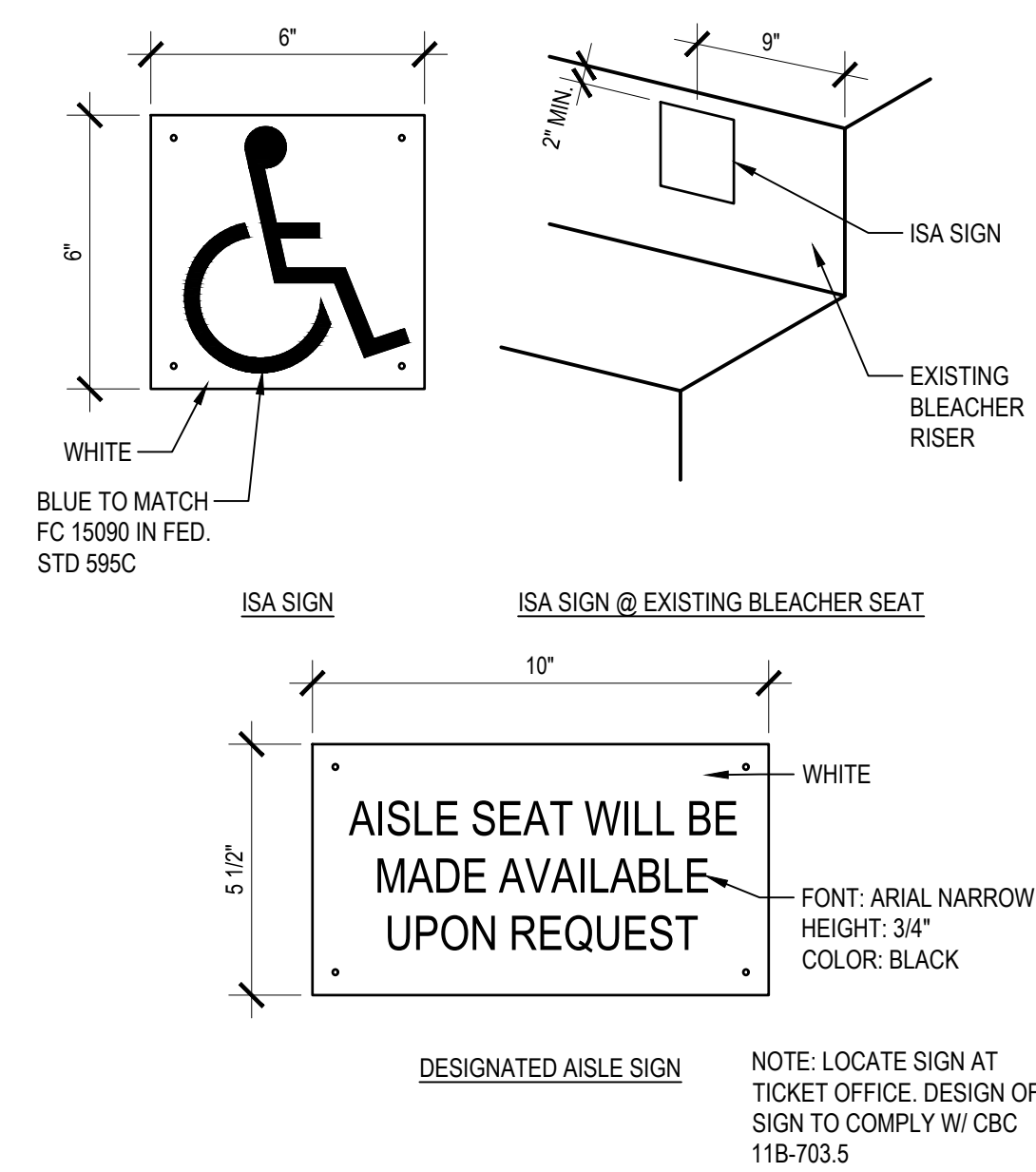
SITE ACCESS PLAN

G0.03



SITE ACCESS PLAN

05



- ☐ WHEELCHAIR SPACE
- ☐ COMPANION SEAT
- ☐ SEMI-AMBULATORY SEAT
- ☐ DESIGNATED AISLE SEAT. REFER TO DETAIL 12 FOR MORE INFO.

NOTES:

1. PER ICC 300 2017, 404.5(5) OPEN AIR SEATING SEATING: IN OPEN AIR SEATING SEATING, FOR TOTAL NUMBER OF ASSEMBLY SEATS EQUAL TO OR LESS THAN 15,000, THE REQUIRED CAPACITY IN INCHES OF ASSESSMENT SHALL BE NOT LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY THE EGRESS ELEMENT MULTIPLIED BY:
 - a. 1.0 OR WHERE EGRESS IS BY STEPPED AISLE AND
 - b. 1.06 WHERE EGRESS IS BY LEVEL AISLES AND RAMPED AISLES.
2. PER ICC 300 2017, 403.4 THE OCCUPANT LOAD OF REVEALING STANDS AND PRESS BOXES SHALL BE BASED ON 5 SQUARE FEET PER PERSON FOR STANDING SPACE AND 7 SQUARE FEET PER PERSON FOR MOVABLE CHAIR SEATING SPACE.
3. PER CBC 2019, 11B-221:
 - a. 3.a. ASSEMBLY AREAS SHALL PROVIDE WHEELCHAIR SEATS, COMPANION SEATS DESIGNATED AISLE SEATS AND SEMI-AMBULANT SEATS COMPLYING WITH SECTIONS 11B-221 AND 11B-221.5.
 - b. 3.b. PER TABLE 11B-221.2.1 WHEELCHAIR SEATS: THE NUMBER OF WHEELCHAIR SEATS IN ASSEMBLY AREAS SHALL BE AS FOLLOWS:
 - 1. 3.b.1. NUMBER OF SEATS: 100 OR LESS: 6 PLUS 1 FOR EACH 100 OR FRACTION THEREOF, BETWEEN 501 THROUGH 5,000.
 - 2. 3.c. PER 11B-221.3 COMPANION SEATING SHALL AT LEAST ONE COMPANION SEAT COMPLYING WITH SECTION 11B-802.3 SHALL BE PROVIDED IMMEDIATELY ADJACENT TO EACH WHEELCHAIR SEAT SPACE REQUIRED BY SECTION 11B-221.2.1.
 - 3. 3.d. PER 11B-221.5 SEMI-AMBULANT SEATING AT LEAST 1 PERCENT OF THE TOTAL NUMBER OF SEATS, AND NOT FEWER THAN TWO, SHALL BE SEMI-AMBULANT SEATS COMPLYING WITH SECTION 11B-802.5.
 - c. 3.e. PER 11B-221.4 DESIGNATED AISLE SEATS: AT LEAST 5 PERCENT OF THE TOTAL NUMBER OF AISLE SEATS COMPLYING WITH SECTION 11B-802.4 SHALL BE PROVIDED CLOSEST TO THE ACCESSIBLE ROUTES.

EXISTING BLEACHER CODE ANALYSIS

EGRESS WIDTH (PER IBC SECTION 1030.6.3)

PASSAGEWAYS:	# OCCUPANTS X 0.06 = EGRESS WIDTH
STAIRWAYS:	# OCCUPANTS X 0.08 = EGRESS WIDTH

PROVIDE TWO EXITS IN ALL SPACES WITH OCCUPANT LOADS ABOVE 49. THESE SPACES REQUIRE PANIC HARDWARE AT ALL REQUIRED EXITS.

TOTAL CAPACITY:
TOTAL: 4,690 SEATS

WHEELCHAIR SPACES REQUIRED:	48
WHEELCHAIR SPACES PROVIDED:	48
COMPANION SEATS REQUIRED:	48
COMPANION SEATS PROVIDED:	48

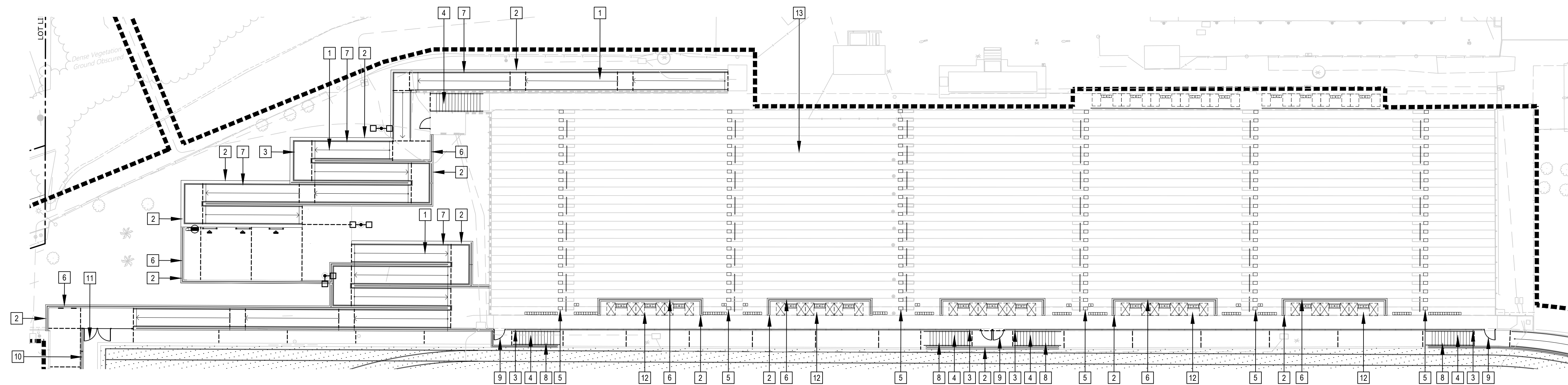
SEMI-AMBULATORY SEATS REQUIRED:	47
SEMI-AMBULATORY SEATS PROVIDED:	47

AREA OF REFUGE:
NOT APPLICABLE - NO ENCLOSED STAIRWAYS ON THE PROJECT

BUILDING CODE INFORMATION:
BUILDING USE: ASSEMBLY
OCCUPANCY: A-5, B, S-2

CONSTRUCTION TYPE: TYPE 11A
FIRE PROTECTION: NONE

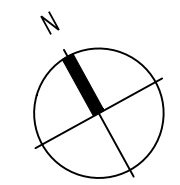
BUILDING HEIGHT: NON



- | | | | |
|---|--|----|---|
| 1 | CONCRETE RAMP PER MATERIALS PLAN L1.01 | 8 | HANDRAIL @ STAIR |
| 2 | CONCRETE RETAINING WALL | 9 | GATE IN GUARDRAIL |
| 3 | CONCRETE RETAINING CURB W/ FENCE | 10 | 4'H CHAINLINK FENCE |
| 4 | CONCRETE STAIR | 11 | 4'H CHAINLINK DOUBLE SWING GATE |
| 5 | CONCRETE STAIR EXPANSION | 12 | ACCESSIBLE WHEELCHAIR SPACES/ COMPANION SEATING |
| 6 | GUARDRAIL | 13 | (E) BLEACHERS L1.01/L1.02 |
| 7 | HANDRAIL @ RAMP | | |

NOTES:

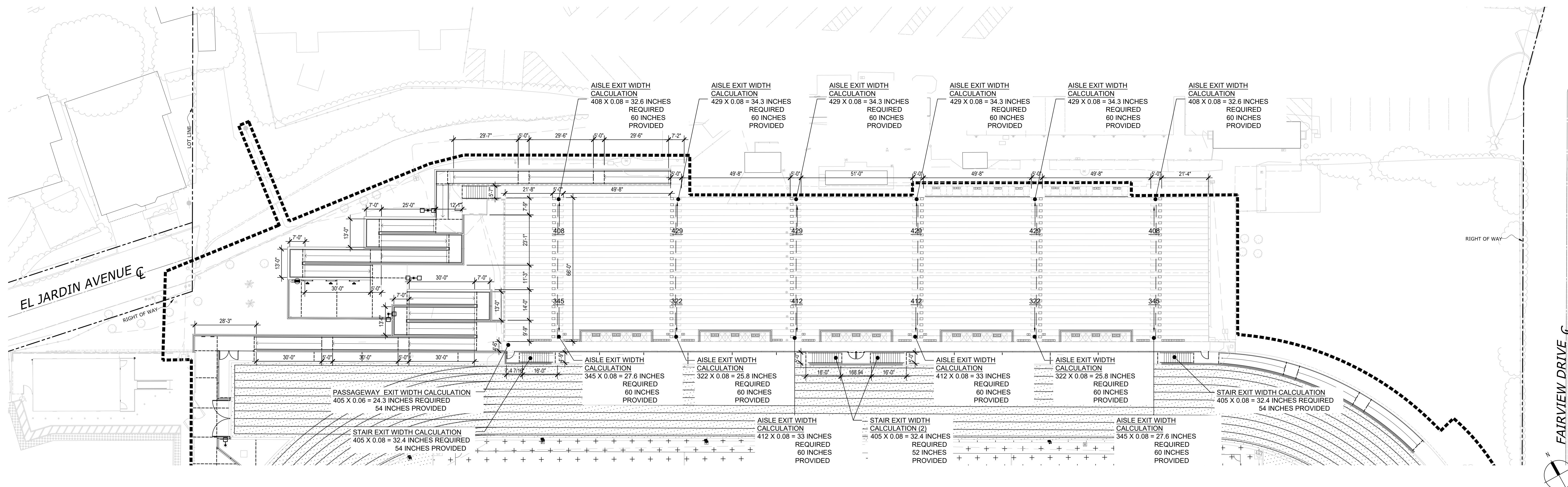
REFER TO STRUCTURAL DWG FOR
CONSTRUCTION DETAILS OF RETAINING
WALLS, RAMPS, STAIRS, ETC.



STADIUM AND BLEACHERS ENLARGED SITE PLAN - HOME SIDE

$$1'' = 20'-0''$$

03



STADIUM AND BLEACHERS CODE ANALYSIS - HOME SIDE

1" = 20'-0"

01

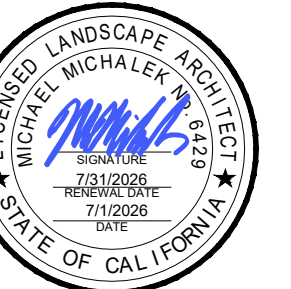
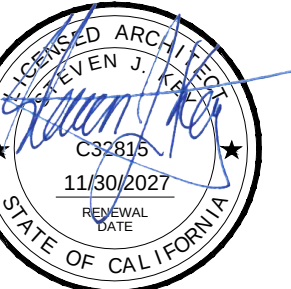
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TRACK AND FIELD REPLACEMENT AND BLEACHER UPGRADES

VENTURA, CA 93001

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o Number	32321
Checked By	AW,MM
ale	

CODE ANALYSIS

G0.04



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

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement 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*.

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: **Ventura Unified School District**

Project Name/School: Ventura High School Track & Field Replacement and Bleacher Upgrade

Project Address: 2 North Catalina Street, Ventura, CA 93001

FIRE & LIFE SAFETY INFORMATION

- | | | | |
|---|--|---|---|
| 1. | Has a fire hydrant flow test been performed within the past 12 months? <i>(If yes, provide a copy of the test data.)</i> | Yes ☒ | No ☐ |
| 2. | Was the fire hydrant water flow test performed as part of this LFA review? | Yes ☐ | No ☒ |
| 3. | Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? <i>(If yes, indicate FHSZ classification below.)</i> | Yes ☒ | No ☐ |
| | Refer to the following website for FHSZ locations:
Fire Hazard Severity Zones in State Responsibility Areas | Moderate ☐ | High ☐ Very High ☒ |
| Wildland Interface Area (WIFA) <i>(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)</i> | | | WIFA ☒ |

DGS DSA 810 (revised 12/29/20) Page 1 of 4
 DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			✓	
4a.	Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	Fire Hydrants: Number and spacing does not meet CFC requirements.			✓	
5a.	Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	Fire Hydrants: Water flow and pressure are less than CFC minimum.			✓	
6a.	Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			✓	
7a.	Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

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 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: Ryan Hughes Title: Bond Manager

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

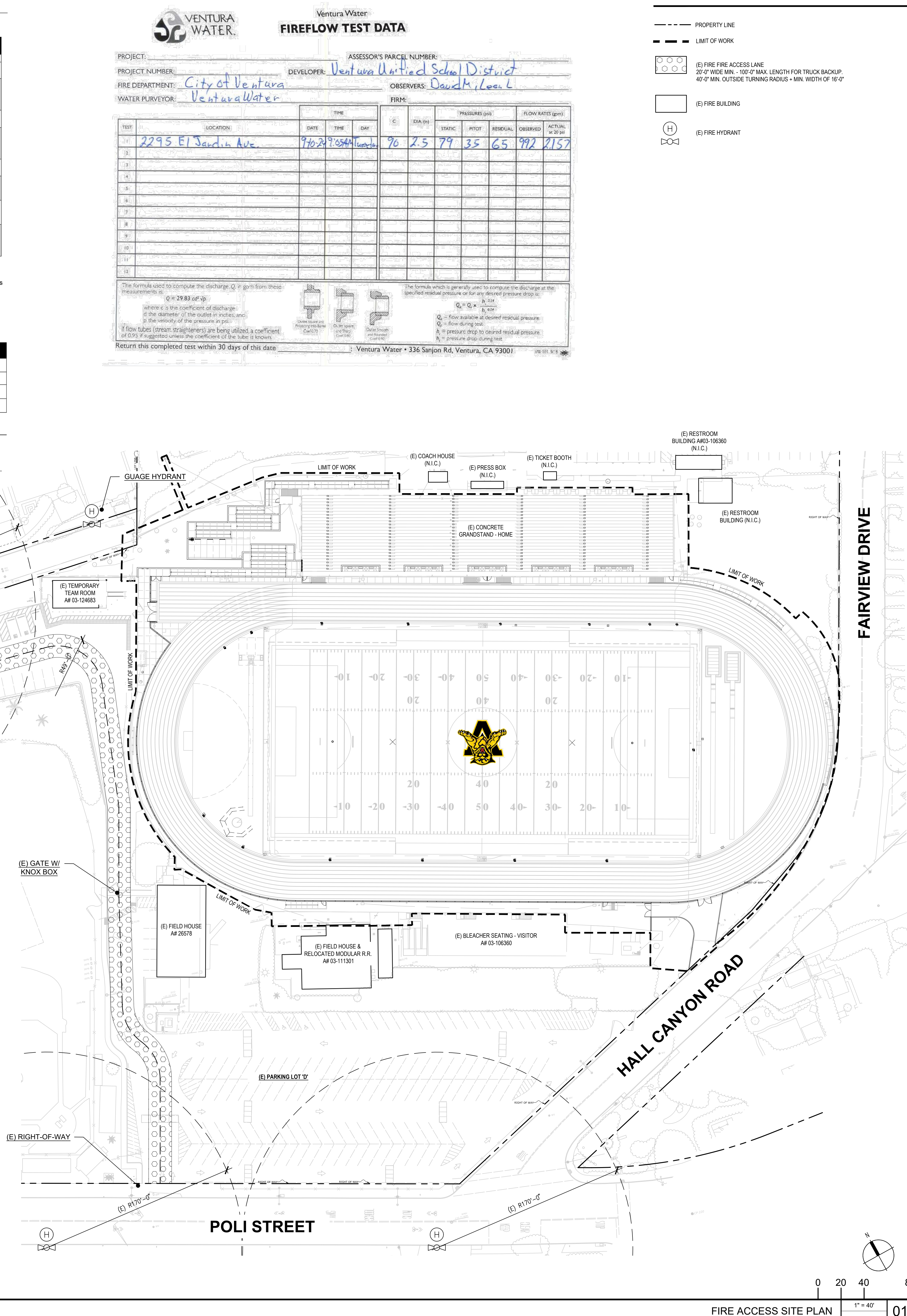
LFA Agency Name: **Ventura City Fire Department**

LFA Review Official: **Chris Kennelly**

Title: Fire Prevention Supervisor

Work Email: ckennelly@cityofvermont.gov

LFA Reviewer's Signature: _____ Date: _____



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DATE: 07/01/2026

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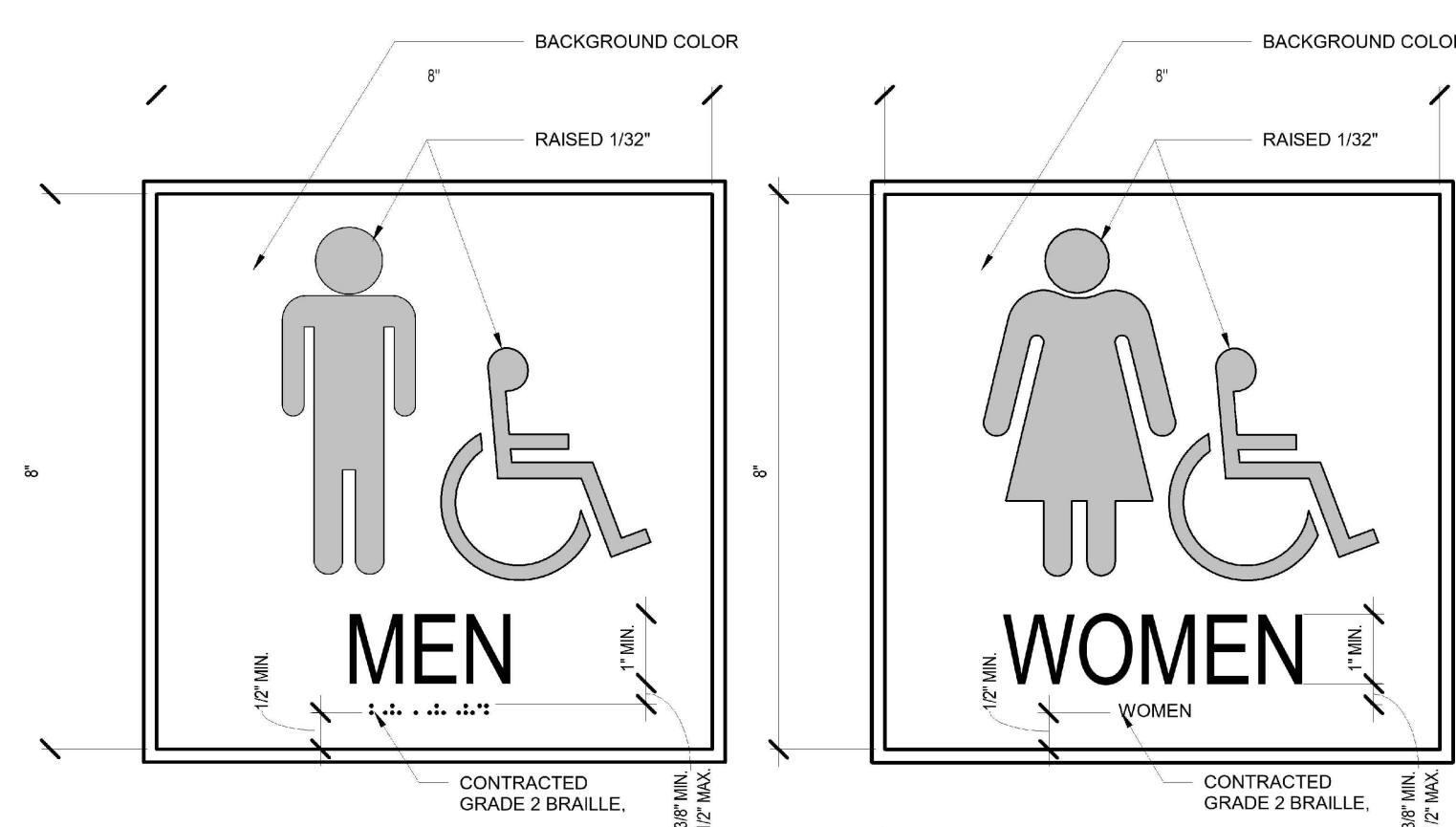
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Checked By	AW,MM
Scale	

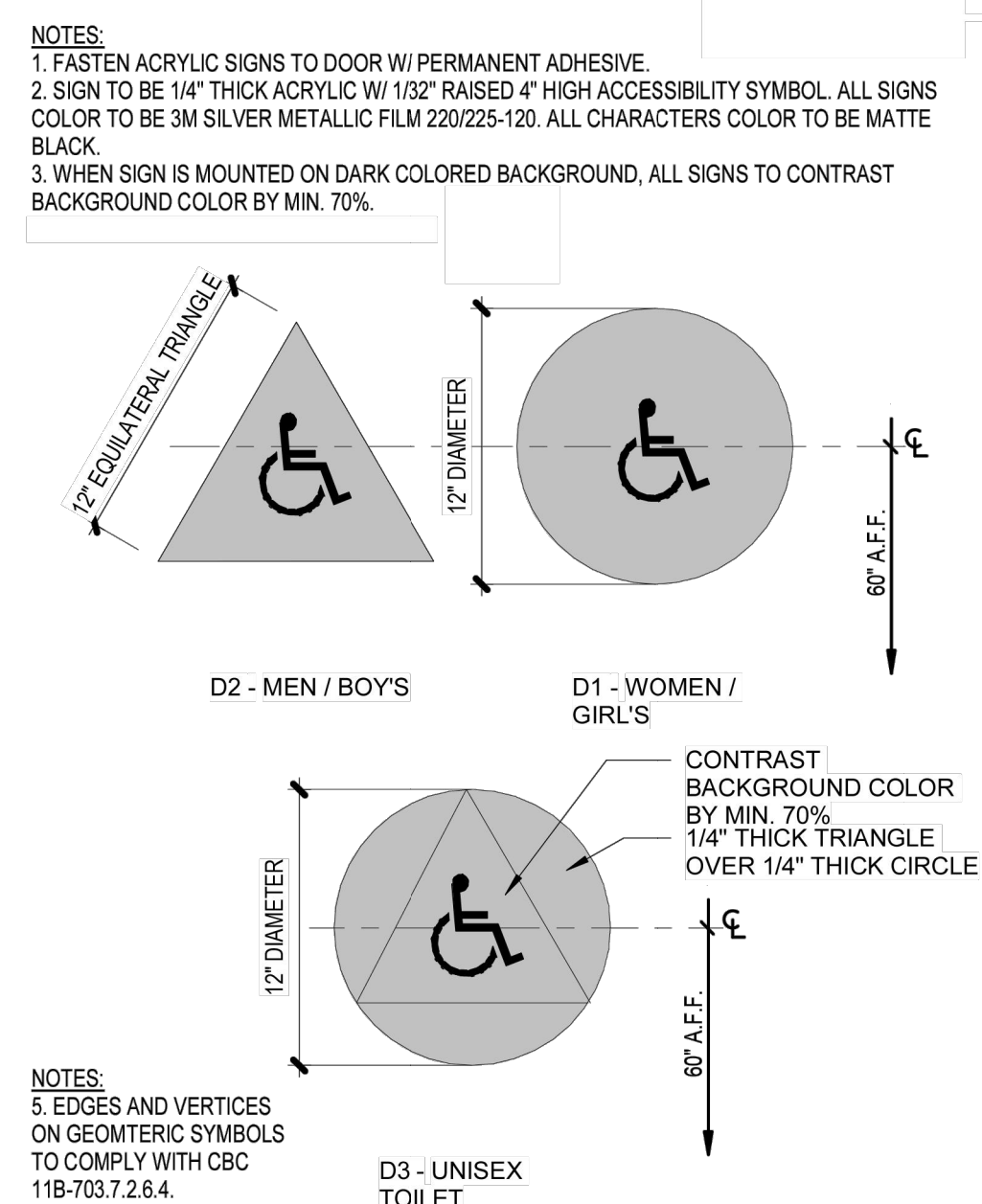
FIRE ACCESS SITE PLAN

G0.05

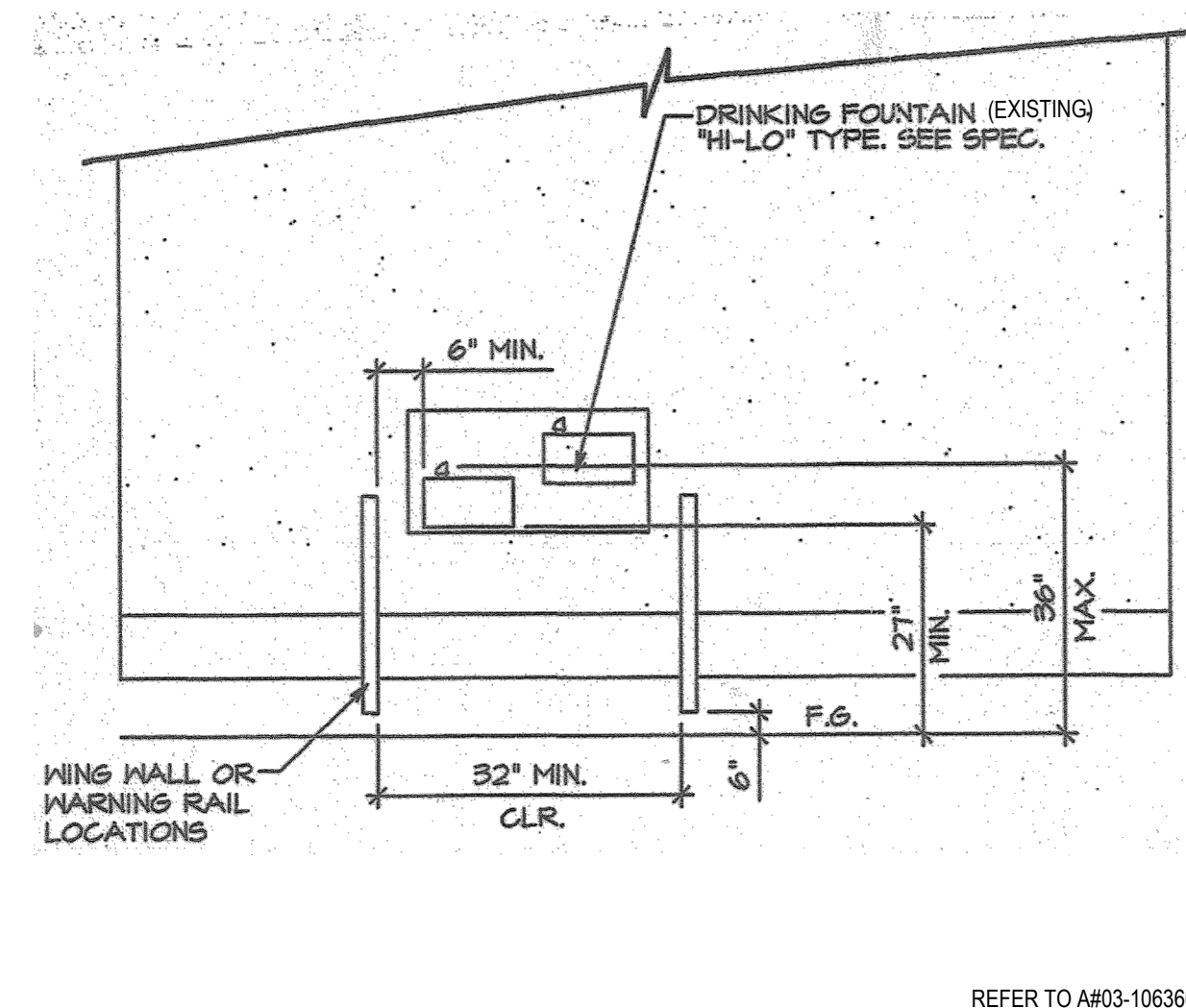


- NOTES:
1. SIGNS SHALL BE REFLECTORIZED. PROVIDE PORCELAIN ON STEEL.
 2. ALL LETTERS AND SYMBOLS SHALL BE WHITE AND BACKGROUND SHALL BE BLUE EQUAL TO COLOR #15090 FEDERAL STD. 595C.
 3. VISUAL CHARACTERS SHALL COMPLY WITH CBC 11B-703.5
 4. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 11B-703.7.2.1

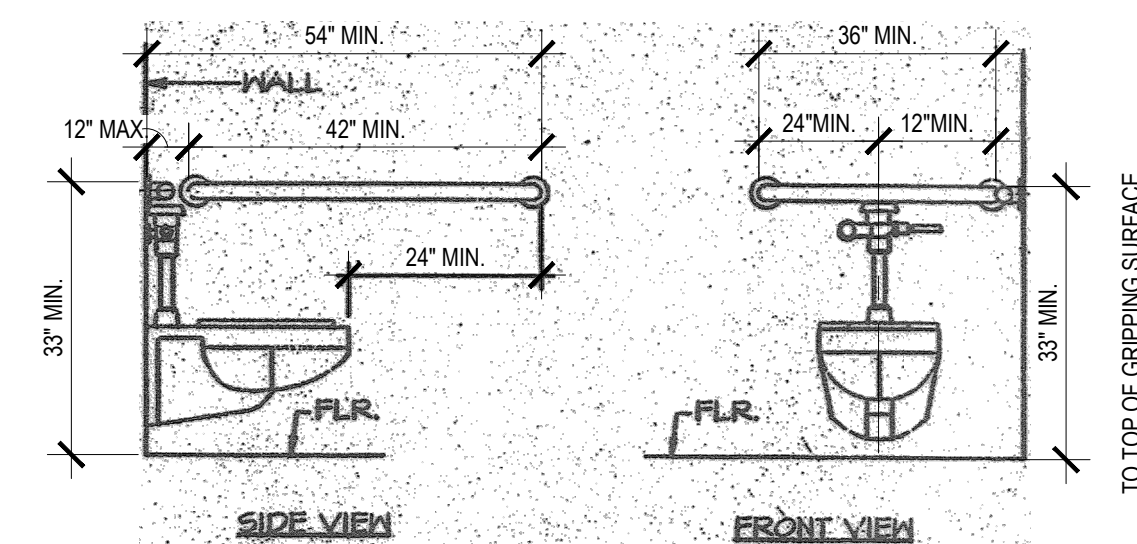
DIRECTIONAL SIGNAGE TO ACCESSIBLE TOILET ROOM	N.T.S.	20
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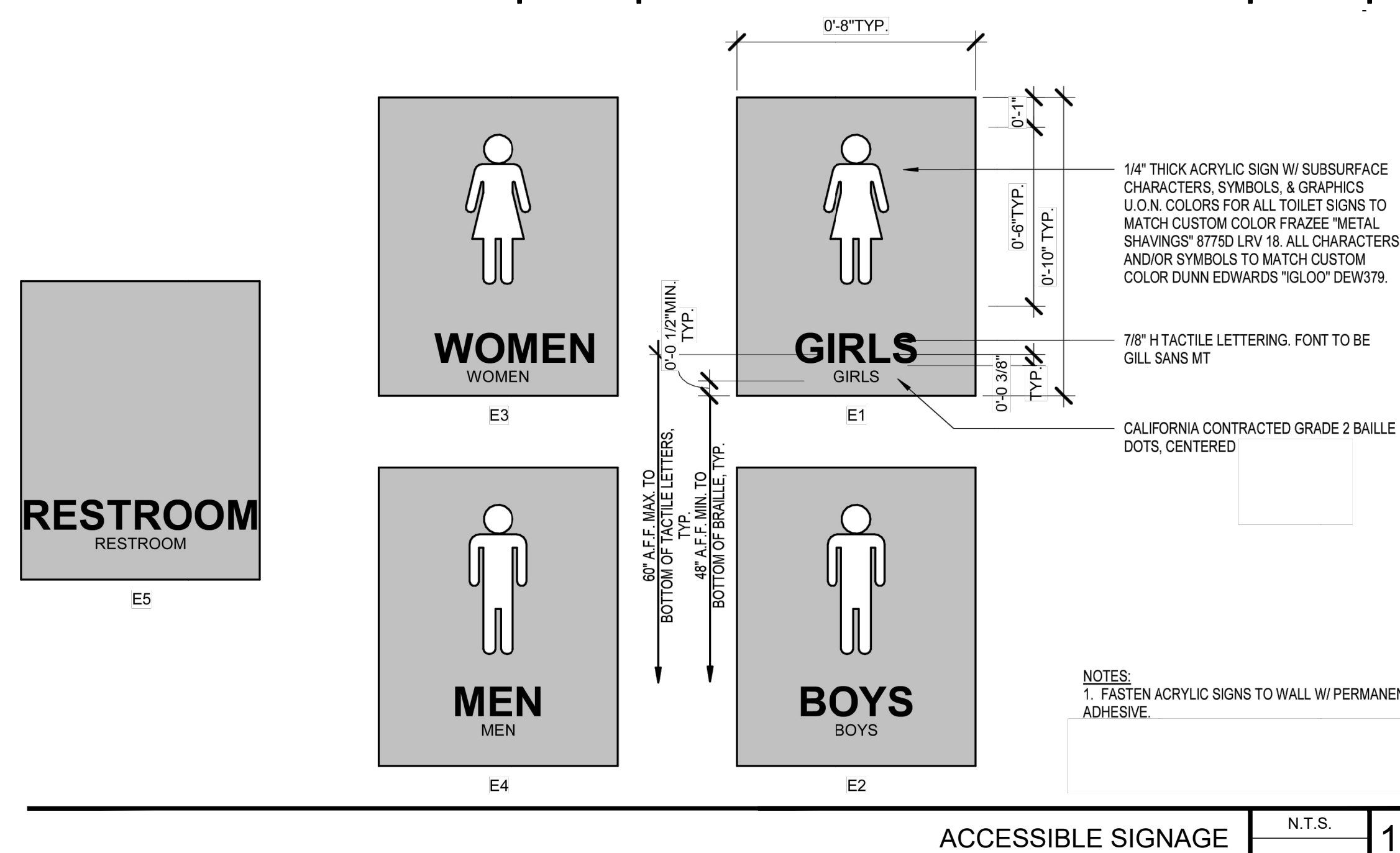
ACCESSIBLE SIGNAGE	N.T.S.	16
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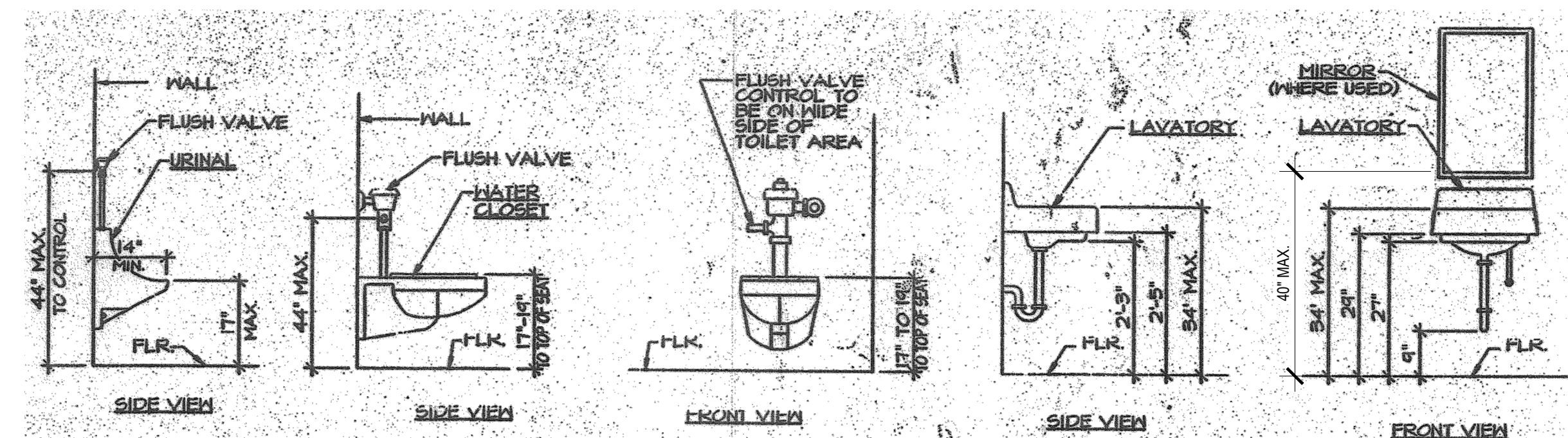
EXISTING DRINKING FOUNTAIN ELEVATION	N.T.S.	08
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EXISTING GRAB BAR ELEVATIONS	N.T.S.	04
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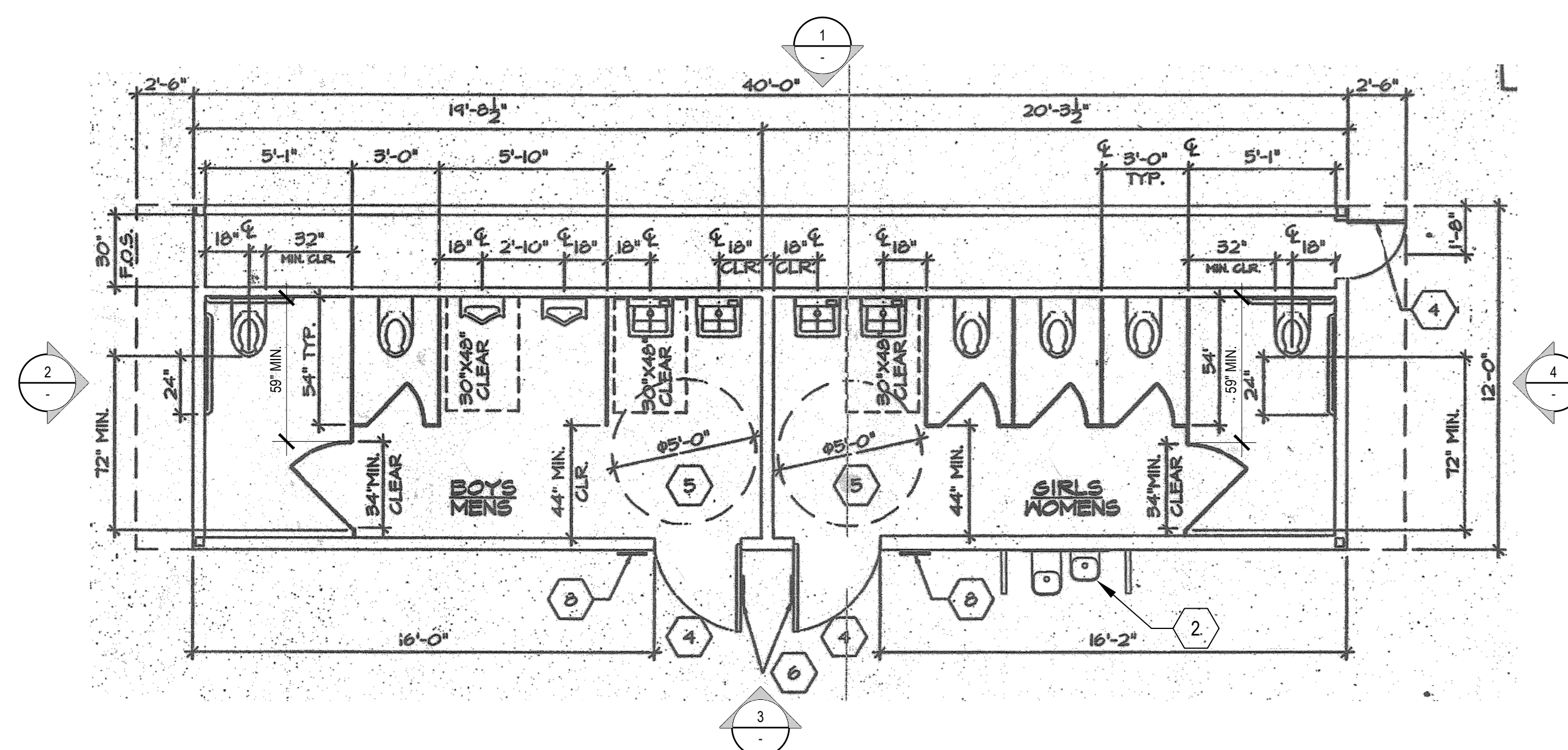
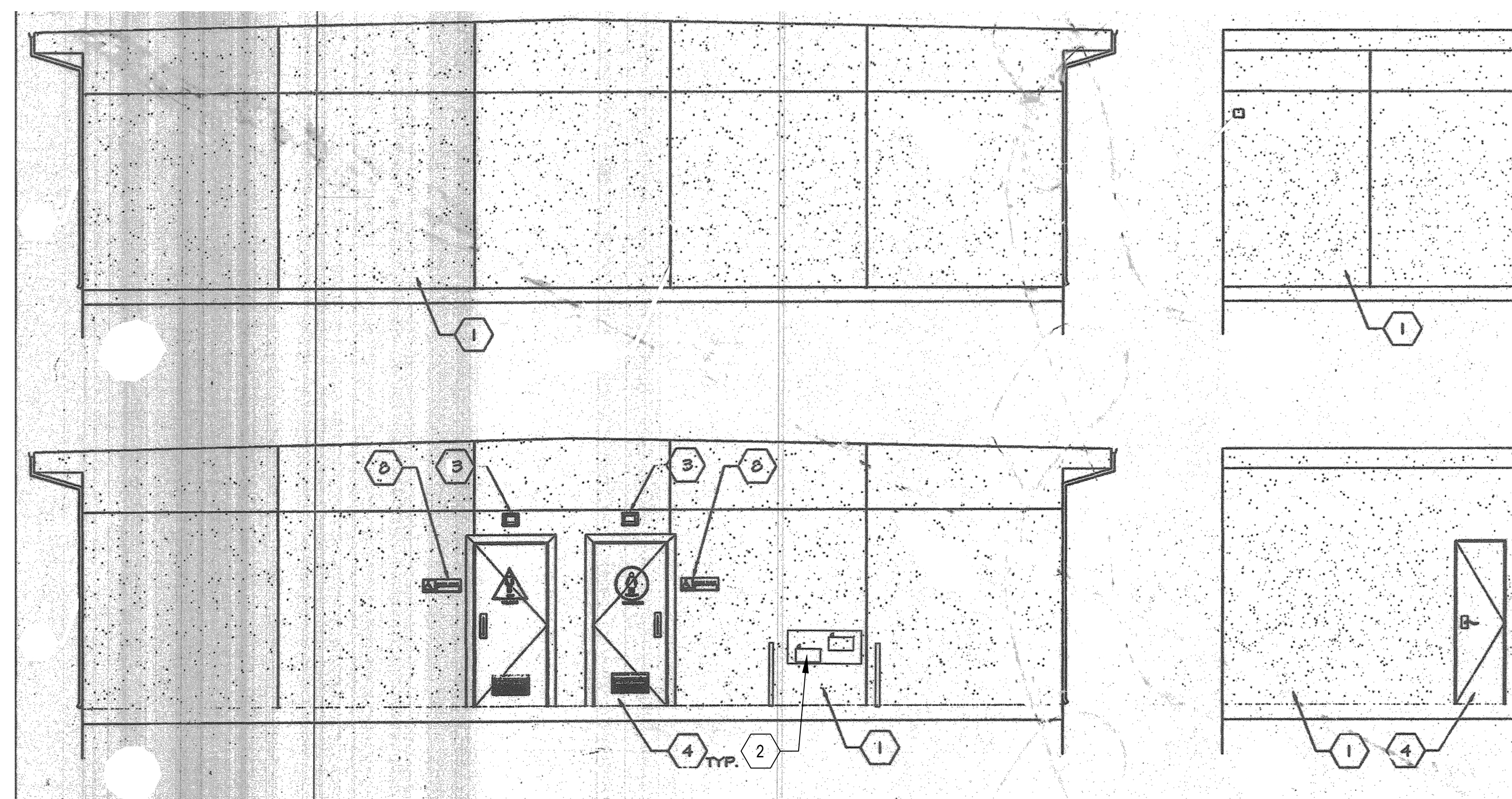


ACCESSIBLE SIGNAGE	N.T.S.	15
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WHEN HOT WATER IS PROVIDED, ALL HOT WATER PIPES SHALL BE INSULATED.
WHEN INSTALLED, PIPE INSULATION SHALL COMPLY WITH SEC 107.2, 1998 CBC

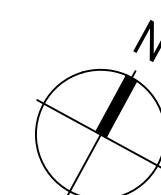
EXISTING ACCESSIBLE FIXTURE ELEVATIONS	N.T.S.	03
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KEYNOTES

- | | | |
|---|--|--------|
| 1 | EXISTING EXTERIOR STUCCO FINISH | |
| 2 | EXISTING DRINKING FOUNTAIN & WARNING RAIL | 08 |
| 3 | EXISTING EXTERIOR LIGHT | - |
| 4 | EXISTING EXTERIOR DOOR | |
| 5 | EXISTING 5'-0" DIA. WHEELCHAIR TURNING RADIUS. ENCROACHMENT BY TURN AREA SHALL NOT BE MORE THAN 8" | |
| 6 | EXISTING SIGNAGE INSTALLED ON EACH DOOR | |
| 8 | EXISTING ACCESSIBILITY SIGNAGE | 15, 16 |

REFER TO A#03-10636



EXISTING ACCESSIBLE MENS AND WOMENS RESTROOM ENLARGEMENT & ELEVATIONS	N.T.S.	01
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125509 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 07/01/2026



ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
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VENTURA HIGH SCHOOL
TRACK AND FIELD REPLACEMENT
AND BLEACHER UPGRADES

2 NORTH CATALINA STREET
VENTURA, CA 93001

Developed for
VENTURA UNIFIED SCHOOL DISTRICT

[illegible]

ACCESS
COMPLIANCE, SITE
ELEMENTS, AND
SIGNAGE DETAILS

G0.06

ABBREVIATIONS			
AB	AGGREGATE BASE	MIN	MINIMUM
AC	ASPHALT CONCRETE PAVEMENT	MOC	MIDDLE OF CURVATURE
AE	ACCESS EASEMENT	N	NORTH
ASPH	ASPHALT PAVING	NG	NATURAL GRADE
BC	BEGIN CURVATURE	NTS	NOT TO SCALE
BCR	BEGIN CURB RETURN	OC	ON CENTER
BFP	BACK FLOW PREVENTER	(P)	PROPOSED, NEW
B	BOX INLET	PL	PLANTING AREA
BM	BENCHMARK	PBC	PULL BOX CABLE
BOP	BOTTOM OF PIPE	PBE	PULL BOX ELECTRIC
BOR	BOTTOM OF RAMP	PBT	PULL BOX TELEPHONE
BS	BOTTOM OF STAIRS	PBW	PULL BOX WATER
BVC	BEGIN VERTICAL CURVATURE	PC	POINT OF COMPOUND CURVATURE
BW	BOTTOM OF WALL	PE	PEDESTRIAN EASEMENT
C&G	CURB AND GUTTER	PI	POINT OF INTERSECTION
CL,CL	CENTER LINE	PVC	POINT OF INTERSECTION VERTICAL CURVATURE
CB	CATCH BASIN	PL	PROPERTY LINE
CONST	CONSTRUCT	PC	POINT OF CONNECTION
CR	CURB RETURN	PP	POWER POLE
CT	COURT	PRC	POINT OF REVERSE CURVATURE
CUL	CULVERT	PVC	POLYVINYL CHLORIDE
DI	DROP INLET	PWM	PAVEMENT
DIP	DUCTILE IRON PIPE	R	RADIUS
DW	DOMESTIC WATER	RCR	REINFORCED CONCRETE PIPE
DW	DRIVEWAY	RM	TOP RIM OF STRUCTURE
DE	DRAINAGE EASEMENT	ROW	HIGHWAY EASEMENT
DR	DRIVE	RT	RIGHT
(E)	EXISTING	RW	RECLAIMED WATER
E	EAST	RW	RIGHT OF WAY
EC	END CURVATURE	S	SLOPE
ECR	END CURB RETURN	SBE	SEBACK EASEMENT
EG	EXISTING GRADE	SCO	SANITARY SEWER CLEANOUT
ELEV	ELEVATION	SD	STORM DRAIN
ECC	EDGE OF CONCRETE	SDMH	STORM DRAIN MANHOLE
EP	EDGE OF PAVEMENT	SF	SQUARE FEET
EQ	EQUAL	SMT	SHEET
ESMT	EASEMENT	STA	STATION
EVC	END OF VERTICAL CURVATURE	SMH	SANITARY SEWER MANHOLE
FF	FINISHED FLOOR	SS	SANITARY SEWER
FFE	FINISHED FLOOR ELEVATION	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
FG	FINISHED GRADE	SW	SIDEWALK
FH	FIRE HYDRANT	T	TANGENT
FL	FLOWLINE	TB	TOP OF BERM
FS	FINISHED SURFACE	TBC	TOP BACK OF CURB
FW	FIRE PROTECTION SERVICE WATER	TBW	TOP BACK OF WALK
GB	GRADE BREAK	TC	TOP OF CURB
GFL	GUTTER FLOWLINE	TF	TOP OF FOOTING
GSL	LIMITS OF GRAVITY SEWER	TOE	TOE OF GRADE
GR	GRATE	TOE	TOE OF SLOPE
GV	GAS VALVE	TOP	TOP OF PIPE
HB	HOSE BIB	TOR	TOP OF RAMP
HP	HIGH POINT	TOS	TOP OF SLOPE
ICV	IRRIGATION CONTROL VALVE	TP	TOP OF PLANTER
INTX	POINT OF INTERSECTION	TS	TOP OF STAIRS
INV	INVERT	TW	TOP OF WALL
JP	JOINT POLE	TYP	TYPICAL
LE	LANDSCAPE EASEMENT	TP	TELEPHONE POLE
LF	LINEAR FEET	VC	VERTICAL CURVATURE
LIP	LIP OF GUTTER	W	WEST
LP	LOW POINT	WM	WATER MAIN
LT	LEFT	WV	WATER VALVE
MAX	MAXIMUM		
MH	MANHOLE		

LEGEND	
SYMBOL	DESCRIPTION
	ROOF DRAIN POC 5' FROM BUILDING
	GAS POC 5' FROM BUILDING
	FIRE WATER POC 5' FROM BUILDING
	DOMESTIC WATER POC 5' FROM BUILDING
	SANITARY SEWER POC 5' FROM BUILDING
	STORM DRAIN MANHOLE
	SANITARY SEWER MANHOLE
	DRAIN INLET
	AREA DRAIN
	TRENCH DRAIN
	CLEANOUT
	BLOW OFF
	FIRE HYDRANT
	VALVE
	POST INDICATOR VALVE (PIV)CHECK VALVE (CHK VLV)FIRE DEPARTMENT CONNECTION (FDC) CHECK VALVE (CHK VLV)
	FIRE DEPARTMENT CONNECTION (FDC)
	DOUBLE DETECTOR CHECK (DBL CHK)
	REDUCED PRESSURE (BFP)
	POST INDICATOR VALVE (PIV)
	THRUST BLOCK
	BENDS, TEE AND CROSS
	WATER METER
LINE TYPE	
DESCRIPTION	
	APPROXIMATE PROJECT LIMITS
	RIGHT OF WAY PROPERTY LINE
	FENCE
	REMOVE EXISTING UTILITY
	EXISTING SEWER LINE
	EXISTING WATER LINE
	EXISTING STORM DRAIN LINE
	EXISTING DEDICATED PRIVATE FIRE SERVICE
	EXISTING NATURAL GAS SERVICE
	EXISTING ELECTRICAL LINE / CONDUIT
	EXISTING TELECOMMUNICATIONS LINE / CONDUIT
	SANITARY SEWER LINE
	DOMESTIC WATER LINE
	STORM DRAIN LINE (<8" DIAMETER)
	STORM DRAIN LINE (>8" DIAMETER)
	PERFORATED STORM DRAIN LINE
	DEDICATED PRIVATE FIRE SERVICE
	NATURAL GAS LINE
	GRADE BREAK LINE
	FLOW LINE
	DAYLIGHT LINE

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- CONTRACTOR SHALL ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE AT ALL TIMES DURING CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
- THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPs, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPs OR EROSION AND SEDIMENT CONTROL PLAN.
- IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.
- THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE.
- ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEP AT THE END OF EACH WORKING DAY OR MORE OFTEN AS NECESSARY.
- CONTRACTOR SHALL PLACE GRAVEL/SAND BAGS AROUND ALL NEW DRAINAGE STRUCTURES IMMEDIATELY AFTER THE STRUCTURE OPENING IS COMPLETED. THESE GRAVEL/SAND BAGS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
- CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:
 - SOLID WASTE MANAGEMENT: PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.
 - MATERIAL DELIVERY AND STORAGE: PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA WEEKLY.
 - CONCRETE WASTE: PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. CONCRETE WASH-OUT CANNOT BE WITHIN 50' MINIMUM OF DRAIN INLETS. DISPOSE OF HARDENED CONCRETE OFF-SITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.
 - PAINT AND PAINTING SUPPLIES: PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANT RELEASE. PROVIDE A DESIGNATED STORAGE AREA, AND CLEAN UP. INSPECT SITE WEEKLY FOR EVIDENCE OF IMPROPER DISPOSAL.
 - VEHICLE FUELING, MAINTENANCE AND CLEANING: PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ON-SITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA WEEKLY.
 - HAZARDOUS WASTE MANAGEMENT: PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZERS, STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.
- CONTRACTOR SHALL HYDROSEED ALL GRADED SLOPES. NATIVE SEED MIX SHALL BE 20% LANA PUBESCENS WHEAT GRASS, 40% BLANDO BROME, AND 40% ANNUAL RYE GRASS AND SHALL BE APPLIED AT A RATE OF 200 POUNDS PER ACRE. SOIL BONDING AGENT SHALL BE VERVOLO, SENTINEL, OR EQUAL, APPLIED AT A RATE OF 110 POUNDS PER ACRE. MULCH SHALL BE SILVER-FIBER, CONWED, OR EQUAL, APPLIED AT A RATE OF 1,000 POUNDS PER ACRE. FERTILIZER SHALL BE AGRI-FORM 16-7-12, BEST 16-6-8, OR EQUAL, APPLIED AT A RATE OF 500 POUNDS PER ACRE. THE CONTRACTOR SHALL WATER SEEDED AREAS OR RESEED AS NECESSARY TO ENSURE SUFFICIENT PLANT DEVELOPMENT FOR EROSION CONTROL.
- NO GRADING SHALL BE DONE UNTIL SITE- AND SEASON-SPECIFIC SOIL LOSS AND HOUSEKEEPING STORMWATER BMPs HAVE BEEN APPROVED BY THE INSPECTOR. THE CONTRACTOR SHOULD EMPLOY THE DESIGN BMPs AND ANY OTHERS NEEDED AS SITUATIONS ARISE. CONTRACTOR SHOULD CONDUCT SITE INSPECTIONS BEFORE, DURING AND AFTER EACH EXTENDED STORM EVENT TO IDENTIFY CONDITIONS THAT MAY CONTRIBUTE TO EROSION AND SEDIMENT PROBLEMS OR ANY OTHER POLLUTANT DISCHARGES. IF ADDITIONAL CONTROL MEASURES ARE NEEDED, CONTRACTOR SHOULD IMPLEMENT THEM IMMEDIATELY.

POLLUTION PREVENTION NOTES

IN ORDER TO MEET THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PROGRAM FOR CONSTRUCTION, CONSTRUCTION CONTRACTORS SHALL INSTALL AND MAINTAIN APPROPRIATE BEST MANAGEMENT PRACTICES (BMPs), AS SHOWN IN THE EROSION CONTROL PLAN AND IN ACCORDANCE WITH THE SWPPP (STORM WATER POLLUTION PREVENTION PLAN). ON ALL CONSTRUCTION PROJECTS, BMPs SHALL BE INSTALLED IN ACCORDANCE WITH INDUSTRY RECOMMENDED STANDARDS, AND/OR IN ACCORDANCE WITH ANY GENERAL CONSTRUCTION PERMIT ISSUED BY THE STATE FOR THE PROJECT TO PREVENT ANY DISCHARGES FROM THE PROJECT SITE OR INTO ANY STORM DRAIN FACILITIES. ALL SEDIMENTS, CONSTRUCTION MATERIALS, DEBRIS AND WASTES, AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, WIND, OR VENTILATION. UNDER DIRECTION OF THE ENGINEER OF RECORD, EROSION AND/OR SEDIMENT CONTROL DEVICES SHALL BE MODIFIED AS NEEDED AS THE PROJECT PROGRESSES TO ENSURE EFFECTIVENESS.

BMP MAINTENANCE NOTES

- FOLLOWING OWNER ACCEPTANCE OF CONSTRUCTION WORK, POST CONSTRUCTION BEST MANAGEMENT PRACTICE (BMP) MEASURES SHALL BE MAINTAINED BY THE PROPERTY OWNER, INCLUDING BUT NOT LIMITED TO:
 - ANNUAL INSPECTION, REPLACEMENT, AND/OR SEDIMENTATION REMOVAL OF VEGETATED SWALES, TREATMENT PONDS, AND OTHER SURFACE STORMWATER TREATMENT MEASURES AS REQUIRED WITH AN INCREASED FREQUENCY BASED ON SITE CONDITIONS.
 - MAINTENANCE SERVICE AGREEMENT(S) OF STORMWATER TREATMENT VAULTS, INLETS, MANHOLES, AND OTHER DEVICES BASED ON MANUFACTURERS' RECOMMENDATIONS AND FREQUENCY.
 - ANNUAL INSPECTION OF PERMEABLE PAVEMENT AND REMOVAL OF SEDIMENT AS NEEDED.
 - ANNUAL INSPECTION OF STORMWATER INLETS AND MAINTENANCE AS REQUIRED TO CLEAR GRATES AND INLETS OF DEBRIS.
 - THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND WATER QUALITY MANAGEMENT PLAN (WQMP) MAY CONTAIN ADDITIONAL OR MORE STRINGENT MAINTENANCE REQUIREMENTS.
- BMP DETAILS MAY BE FOUND IN APPENDIX H OF THE PROJECT SWPPP DOCUMENT. BMP DETAILS PER CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) AND ARE AVAILABLE AT www.casqa.org.
- FOR PROJECTS GREATER THAN 1 ACRE, THE CONTRACTOR SHALL VERIFY THE STATUS OF THE SWPPP/DIVID PRIOR TO EARTH-MOVING ACTIVITIES. A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE PREPARED AND A NOTICE OF INTENT (NOI) SHALL BE FILED WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (PERMIT NO. CASQ00002) FOR ALL OPERATIONS ASSOCIATED WITH THESE PLANS. THE CONTRACTOR SHALL KEEP A COPY OF THE SWPPP ON SITE AND AVAILABLE FOR REVIEW.

AREA SUMMARY

TOTAL DISTURBED AREA = 4.84± ACRES

DEMOLITION NOTES

- THE INTENT OF THE DEMOLITION PLAN IS TO DESCRIBE IN GENERAL, THE DEMOLITION AREAS AFFECTED BY THE PROJECT CONSTRUCTION. IT IS NOT INTENDED AS A DETAILED DESCRIPTION OF EXISTING ITEMS OR ELEMENTS TO BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE AND RECORD ALL EXISTING CONDITIONS AND DOCUMENTS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND SHOULD INCLUDE THE REMOVAL OF ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE REQUIRED BY ALL, TO THE EXTENT THAT IT IS REASONABLY INFERRABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INTENDED RESULTS.
- REMOVE EXISTING BUILDINGS, FOUNDATIONS AND SERVICE UTILITIES AS INDICATED ON PLANS. CAP ALL UTILITIES AT APPROPRIATE POINTS. ALL EXISTING ELECTRICAL / TELEPHONE / CATV UTILITIES SHALL BE REMOVED AS INDICATED OR BACK TO THE POINT WHERE THE SPECIFIC UTILITY SYSTEM ENTERS THE WORK AREA. COORDINATE DEMOLITION OF ALL UTILITIES WITH THE OWNER. ALL UTILITIES CONNECTED TO EXISTING BUILDINGS TO REMAIN SHALL CONTINUE TO BE OPERATIONAL DURING THE DEMOLITION PROCESS. DOMESTIC AND FIRE SERVICE WATER AND NATURAL GAS SHALL BE REMOVED TO A POINT OUTSIDE THE PERIMETER OF PROPOSED NEW CONSTRUCTION TO EXISTING VALVES OR SIMILAR SHUT-OFF DEVICES. IF A SHUT-OFF DEVICE IS NOT REASONABLY ADJACENT TO THE PERIMETER OF THE PROPOSED NEW CONSTRUCTION, PROVIDE A SHUT-OFF DEVICE IN BELOW-GRADE YARD BOX. CONFIRM LOCATION OF NEW DEVICES WITH OWNER PRIOR TO INSTALLATION. SANITARY SEWER AND STORM DRAINAGE SHALL BE CAPPED TO A POINT OUTSIDE THE PERIMETER OF THE PROPOSED NEW CONSTRUCTION. OTHER UTILITIES NOT SPECIFICALLY IDENTIFIED IN THESE DOCUMENTS AND NOT ANTICIPATED FOR REUSE SHALL BE REMOVED IN ENTIRETY.
- FOR ALL EXISTING MATERIALS THAT CAN BE SALVAGED, OWNER HAS FIRST RIGHT OF REFUSAL FOR REMOVED ITEMS THAT MAY HAVE RESIDUAL, COMMERCIAL OR HISTORIC VALUE INCLUDING HARDWARE, GLASS, CORNER STONES, TIME CAPSULES, LIGHT STANDARDS, SIGNS, FENCING, BENCHES, WATER FOUNTAINS, TRASH CONTAINERS, ETC. SHALL REMAIN AS PROPERTY OF THE OWNER. ALL ITEMS TO BE SALVAGED FOR REUSE/REINSTALLATION MUST MEET CURRENT CODE REQUIREMENTS. COORDINATE ITEMS TO BE RETAINED WITH OWNER PRIOR TO CONSTRUCTION SITE TO A LOCATION APPROVED BY OWNER. REMOVED MATERIALS, NOT INDICATED OR DIRECTED TO BE SALVAGED FOR THE OWNER'S BENEFIT ARE DEBRIS AND BECOME THE CONTRACTOR'S PROPERTY UPON REMOVAL.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY SEARCH OF THE AVAILABLE RECORDS AND FIELD SURVEYS. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT, UTILITY COMPANIES, AND/OR FIELD VERIFY AND LOCATE ALL UTILITIES BEFORE PROCEEDING WITH WORK. THE CONTRACTOR IS ALSO REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. NOTIFY THE ENGINEER IF ADDITIONAL UTILITIES ARE LOCATED OR IF CONFLICTS ARE FOUND WITH EXISTING CONDITIONS.
- ALL TREES TO BE REMOVED SHALL BE MARKED BY CONTRACTOR AND APPROVED FOR REMOVAL BY THE OWNER OR OWNERS REPRESENTATIVE PRIOR TO REMOVING OR CUTTING TREE(S). EXISTING ROOTS SHALL BE GRINDED TO A DEPTH OF APPROXIMATELY 3-FEET. USE CAUTION WHILE GRINDING WHEN EXISTING UTILITIES ARE IN CLOSE PROXIMITY TO TREES. ALL TREES TO REMAIN WITHIN THE LIMIT OF WORK SHALL BE PROTECTED AND MAINTAINED PER SPECIFICATIONS AND DETAILS.
- WORK WITHIN CITY, COUNTY, OR STATE RIGHT-OF-WAY REQUIRES A SEPARATE ERECTION/ANCHORMENT PERMIT WHICH IS RESPONSIBLE FOR OBTAINING PRIOR TO STARTING WORK WITHIN RIGHT-OF-WAY.
- CONTRACTOR TO COORDINATE UTILITY DEMOLITION WITH DRAINAGE AND UTILITY WORK SHOWN IN THIS PLAN SET. ALL UTILITY SHUTDOWNS SHALL BE COORDINATED PER PROJECT SPECIFICATIONS.
- EXISTING DRY UTILITIES SHOWN FOR DEMOLITION ARE SHOWN FOR COORDINATION ONLY. REFER TO OTHER DISCIPLINES FOR LIMITS AND DETAILS OF DEMOLITION.
- THE CONTRACTOR SHALL RECYCLE CONSTRUCTION DEBRIS, ASPHALT, AND CONCRETE GENERATED FROM REMOVALS REQUIRED TO CONSTRUCT THE PROJECT. THE CONTRACTOR IS OBLIGATED, UNDER THIS CONTRACT, TO RECYCLE THE WASTE MATERIAL THROUGH AN APPROVED RECYCLING PLANT.
- A LIST OF FACILITIES THAT ACCEPT CONSTRUCTION & DEMOLITION DEBRIS CAN BE FOUND ON THE CALRECYCLE WEBSITE AT: [HTTPS://WWW.CALRECYCLE.CA.GOV/CONDEMO](https://www.calrecycle.ca.gov/condemo)
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING BUILDING FINISHES DURING DEMOLITION. ANY FINISH THAT IS DAMAGED DURING DEMOLITION SHALL BE REPAIRED OR REPLACED IN-KIND OR BETTER.

GENERAL NOTES TO CONTRACTOR

- THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY OWNERS FOR LOCATION, REMOVAL, AND/OR RELOCATION OF ANY UTILITY SERVICES AFFECTED BY CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT UNDERGROUND OR OVERHEAD STRUCTURES WHETHER OR NOT THEY ARE SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL NOTIFY THE PROJECT INSPECTOR AND THE RESPECTIVE UTILITY OWNERS AND OTHER AGENCIES AT LEAST TWO WORKING DAYS PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING, VERIFYING LOCATIONS (BOTH HORIZONTAL AND VERTICAL), AND MAINTAINING ALL EXISTING UNDERGROUND UTILITIES, BOTH SHOWN ON THE PLANS AND/OR NOT SHOWN ON THE PLANS DURING CONSTRUCTION. REPAIR DAMAGED UTILITIES TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS BECAUSE OF LOCATIONS OF EXISTING FACILITIES AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES AND/OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OR THE EXISTENCE, OR NON-EXISTENCE OF ANY UTILITY AND/OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE ALL DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OF RECORD AND/OR NOT OF RECORD SHOWN OR NOT SHOWN AND ANY OTHER LINE(S) OR STRUCTURE(S) NOT SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF, AND/OR DAMAGE TO THESE LINE(S) AND/OR STRUCTURE(S).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SHORING AT PROPOSED BUILDING FOUNDATIONS, FOOTINGS, AND WALLS TO PROTECT EXISTING UTILITIES IN PLACE.
- UNAUTHORIZED CHANGES AND USES - CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING ACCESSIBLE ROUTE CLEAR OR PROVIDE AN ALTERNATE ACCESSIBLE ROUTE OF TRAVEL DURING DEMOLITION AND/OR CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING FIRE EXITS AND STAIRS CLEAR AND USABLE OR PROVIDE ALTERNATE FIRE EXITS DURING DEMOLITION AND/OR CONSTRUCTION.

EARTHWORK NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE GRADING PLANS AND SOILS REPORT THOROUGHLY PRIOR TO SITE MOBILIZATION. IT IS ALSO THE GRADING CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CIVIL AND SOILS ENGINEERS IF ON-SITE DISCREPANCIES ARE OBSERVED THAT WOULD AFFECT THE EARTHWORK QUANTITIES.
- THE EXISTING TOPOGRAPHY AS DELINEATED ON THESE DRAWINGS SHALL BE UTILIZED AS THE BASIS FOR ALL EARTHWORK OPERATIONS. SAID TOPOGRAPHY SHALL BE PRESUMED TO BE ACCEPTABLE TO ALL INTERESTED PARTIES UNLESS A DEVIATION IS FOUND PRIOR TO THE START OF GRADING IN ANY SPECIFIC AREAS. ANY DEVIATION SO DETERMINED SHALL BE PROMPTLY TRANSMITTED TO ALL INTERESTED PARTIES.
- THE CONTRACTOR IS REQUIRED TO ESTIMATE THE QUANTITIES OF GRADING WORK TO BE DONE AND INCLUDE ALL COSTS THEREFROM WITH HIS BID. AS NO ADDITIONAL ALLOWANCE WILL BE MADE WITHOUT PRIOR CONSENT FROM THE OWNER.
- OVER-EXCAVATION AND/OR EXCESS BACKFILLING OR DUPLICATION OF GRADING ACTIVITIES IS NOT A BASIS FOR ADDITIONAL COMPENSATION. THIS ALSO APPLIES WHERE MATERIAL IS TO BE REMOVED AND REPLACED TO REDUCE MOISTURE CONTENT.
- OFF-SITE DISPOSAL OF EXCAVATION MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE BID. THE CONTRACTOR SHALL HOLD THE OWNER AND ENGINEER HARMLESS AS A RESULT OF ANY CLAIMS ARISING FROM THE ACTIONS ENROUTE OR AWAY FROM THE SITE.
- EARTH VOLUMES SHOWN HEREON ARE ESTIMATES BASED UPON THE GEOTECHNICAL ANALYSIS PERFORMED BY THE NAMED SOILS ENGINEER AND TOPOGRAPHIC SURVEY OF THE EXISTING GROUND SURFACE AT THE TIME OF PLAN PREPARATION. EARTHWORK VOLUMES ARE COMPUTED BY METHODS COMMONLY USED IN STANDARD ENGINEERING PRACTICE, AND ARE INTENDED FOR USE IN ESTABLISHING GOVERNING AGENCY FEES. ACTUAL FIELD CONDITIONS MAY VARY FROM OBSERVED OR MEASURED CONDITIONS AT THE TIME OF PLAN PREPARATION. EARTHWORK QUANTITIES MAY VARY AS A RESULT.
- ANY EXPORT OR IMPORT REQUIRED TO BALANCE THE SITE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- PAVEMENT AND SUBGRADE RECOMMENDATIONS RELATED TO OVER-EXCAVATION, PAVEMENT SUBGRADE, ETC., PER GEOTECHNICAL REPORT.

GEOTECHNICAL INFORMATION

FOR SITE PREPARATION, OVEREXCAVATION, FOUNDATION RECOMMENDATIONS, PAVEMENT, SUBGRADE, AND GRADATION REQUIREMENTS SEE GEOTECHNICAL INVESTIGATION REPORT ENTITLED:

"ENGINEERING GEOLOGY AND GEOTECHNICAL REPORT FOR PROPOSED IMPROVEMENTS TO THE ATHLETIC FIELD VENTURA HIGH SCHOOL"

PREPARED BY: EARTH SYSTEMS PACIFIC
8917 OLIVAS PARK DRIVE, SUITE F
VENTURA, CA 93003

PROJECT NO: 305811-006

DATED: MAY 22, 2025 (UPDATED AUGUST 15, 2025)

IMPORTANT NOTICE

- ALL ASBESTOS CEMENT PIPE TO BE REMOVED SHALL BE SNAPPED, ENCAPSULATED, AND DISPOSED OF PER LOCAL, STATE, AND FEDERAL REGULATIONS.
- DOMESTIC WATER SERVICE AND FIRE PROTECTION SHALL BE MAINTAINED DURING CONSTRUCTION. PROVIDE BYPASS LINES DURING CONSTRUCTION INCLUDING TIE-IN. COORDINATE ALL SHUT DOWNS OF WATER AND POWER WITH OWNER PRIOR TO CONSTRUCTION.
- PURSUANT TO CALIFORNIA ASSEMBLY BILL 1953 ALL PIPE, FITTINGS, AND FIXTURES INTENDED TO CONVEY OR DISPENSE WATER FOR HUMAN CONSUMPTION THROUGH DRINKING WATER OR COOKING SHALL BE "LEAD FREE" AS OF JANUARY 1, 2010.

DEDICATED FIRE ACCESS

PORTIONS OF DEMOLITION MAY REQUIRE BLOCKING AND/OR OBSTRUCTING THROUGH ACCESS TO EMERGENCY / FIRE ACCESS VEHICLES. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A FIRE WATCH SPECIALIST SERVICE FOR THE DURATION OF TIME THAT EMERGENCY / FIRE ACCESS VEHICLES ARE BLOCKED AND/OR OBSTRUCTED DURING CONSTRUCTION UNLESS EQUIVALENT ALTERNATE MEASURES ARE TAKEN TO ENSURE CONTINUOUS ACCESS TO EMERGENCY / FIRE ACCESS VEHICLES. CONTRACTOR TO COORDINATE THROUGH ACCESS TO EMERGENCY / FIRE ACCESS VEHICLES WITH THE LOCAL FIRE AUTHORITY HAVING JURISDICTION.

EARTHWORK QUANTITIES

APPROXIMATE CUT: 3,510 CY
APPROXIMATE FILL: 3,510 CY

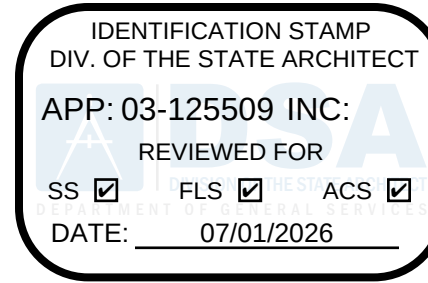
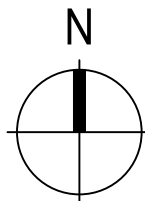
NOTE:
EARTHWORK QUANTITIES INDICATED ARE FOR REFERENCE ONLY (NOT FOR BID OR PAYMENT). THE CONTRACTOR IS RESPONSIBLE FOR ACTUAL QUANTITIES.

HAUL ROUTE TO BE DETERMINED AT PRE-GRADE MEETING AND ALL NECESSARY PERMITS SHALL BE OBTAINED BY THE GENERAL CONTRACTOR

BASE OF BEARINGS

THE BOUNDARY LINES SHOWN HEREON ARE BASED UPON

VICINITY MAP



ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING

949-261-1001 Office

LPA Design Studios, Inc.

5301 California Avenue, Suite 100
Irvine, California 92617



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VENTURA HIGH SCHOOL
TRACK AND FIELD REPLACEMENT
AND BLEACHER UPGRADES
2 NORTH CATALINA STREET
VENTURA, CA 93001
Developed for
VENTURA UNIFIED SCHOOL DISTRICT

Submit	Date	Revision	Date	Revision
100% SCHEMATIC DESIGN	12/10/2024			
50% CONSTRUCTION DOCUMENTS	07/24/2025			
100% CONSTRUCTION DOCUMENTS	08/01/2025			
DSA BACKCHECK	11/03/2025			
DSA BACKCHECK	07/01/2026			
Job Number	32321			
Checked By	AVI_MM			
Scale	N/A			

DIG ALERT NOTICE

PURSUANT TO THE CALIFORNIA GOVERNMENT CODE SECTION 4216, NO EXCAVATION PERMIT IS VALID UNLESS DIG ALERT HAS BEEN CONTACTED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF EXCAVATION AND AN INQUIRY IDENTIFICATION NUMBER HAS BEEN ISSUED.

INQUIRY ID#



COVER SHEET

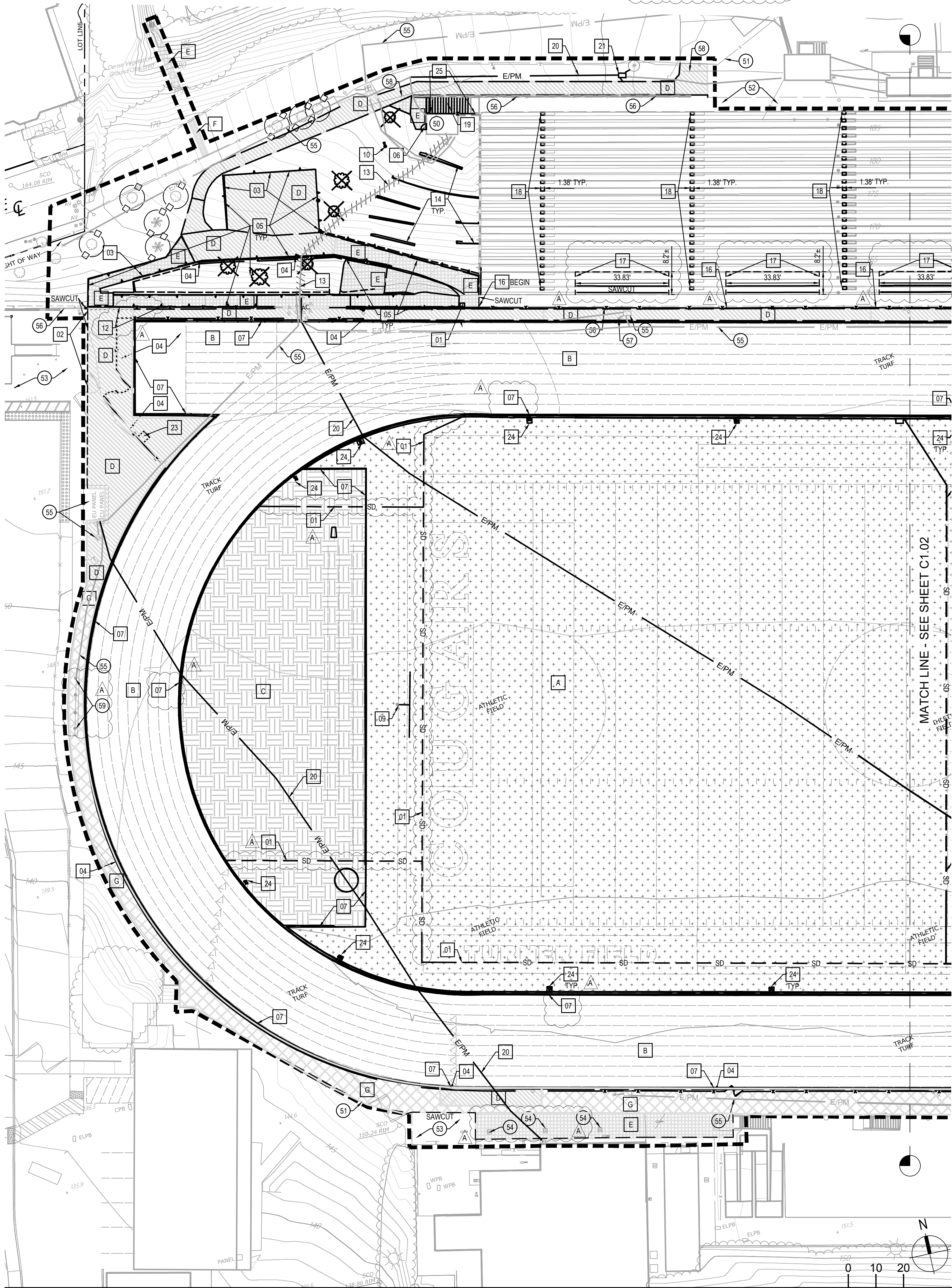
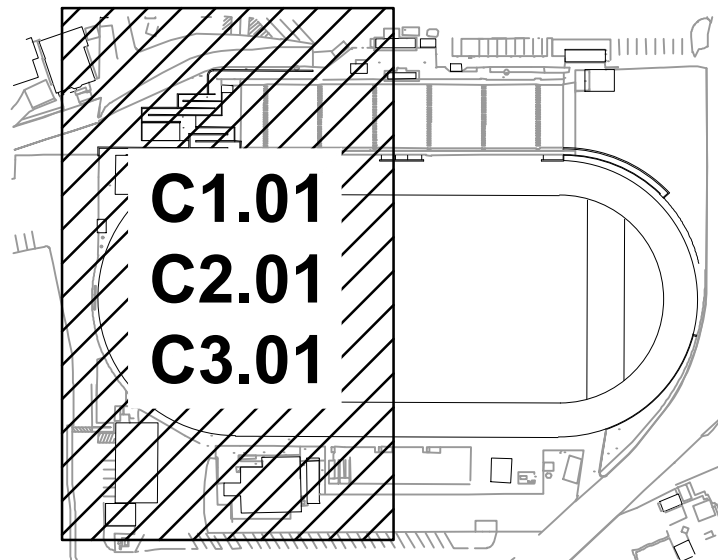
C0.01

PROTECTION KEYNOTES	
KEY NOTE	DESCRIPTION
50	PROTECT (E) BUILDING, FOUNDATION AND OTHER STRUCTURAL FEATURES AND BUILDING UTILITIES.
51	PROTECT (E) FENCE.
52	PROTECT (E) CONCRETE PAVEMENT/SIDEWALK.
53	PROTECT (E) AC PAVEMENT.
54	PROTECT (E) STORM DRAIN FACILITIES.
55	PROTECT (E) ELECTRICAL FACILITIES.
56	PROTECT (E) RETAINING WALL.
57	PROTECT (E) ELECTRIC VAULT AND MUSCO POLE UNLESS EXISTING FIELD CONDITIONS AT THE POLE BASE CONFLICTS WITH THE IMPROVEMENTS.
58	PROTECT (E) WATER SERVICE FACILITIES.
59	PROTECT (E) SCOREBOARD/FOOTINGS.

DEMOLITION NOTES	
-SEE DEMOLITION NOTES, SHEET C0.01.	
DEMOLITION LEGEND	
LABEL	DESCRIPTION
A	REMOVE (E) SYNTHETIC TURF. SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
B	REMOVE AND REPLACE (E) TRACK. SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
C	REMOVE AND REPLACE (E) D-ZONE. SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
D	REMOVE (E) ASPHALT PAVEMENT/SIDEWALK.
E	REMOVE (E) CONCRETE.
F	REMOVE (E) LANDSCAPING.
G	GRIND AND OVERLAY EXISTING PAVEMENT. LIMITS SHOWN ARE APPROXIMATE. DEPTH PER GEOTECHNICAL ENGINEER'S RECOMMENDATION.
X	REMOVE (E) TREE, SEE DEMOLITION NOTE 5 SHEET C0.01.
◯	(E) TREE TO REMAIN AND BE PROTECTED, SEE DEMOLITION NOTE 5 SHEET C0.01.
- - -	SAWCUT (E) PAVEMENT/RET. WALL, SEE DEMOLITION NOTE 6 AND 10 SHEET C0.01.
- - - - -	APPROXIMATE LIMIT OF WORK LINE.
	RELOCATE (E) UTILITY, SEE DEMOLITION NOTES 2, 4, 8, AND 9 SHEET C0.01.

DEMOLITION KEYNOTES	
KEY NOTE	DESCRIPTION
01	REMOVE (E) STORM DRAIN PIPE AND APPURTENANCES. SEE UTILITY PLAN FOR IMPROVEMENTS.
02	REMOVE AND REINSTALL (E) FENCE ON TOP OF PROPOSED CURB PER LANDSCAPE DETAIL 01 SHEET L5.04.
03	REMOVE (E) HANDRAIL / HANDRAIL AND FOOTING.
04	REMOVE (E) FENCE AND FOOTINGS.
05	REMOVE (E) RETAINING WALL AND FOOTING.
06	REMOVE (E) DOOR TO ELECTRICAL ROOM.
07	REMOVE (E) CURB.
08	REMOVE (E) GATE FENCE/POST AND FOOTINGS.
09	REMOVE (E) GOAL POST AND FOOTING.
10	REMOVE (E) UTILITY POLE.
11	REMOVE (E) TRACK.
12	REMOVE AND RELOCATE (E) WALL PLAQUES PER SCHOOL DISTRICT DIRECTION.
13	RELOCATE (E) ELECTRIC LINE.
14	REMOVE (E) PLANTER WALL.
15	REMOVE/RELOCATE (E) CONDUIT PER ELECTRICAL PLANS.
16	REMOVE (E) GUARDRAIL AND (E) +/- 3" CURB ON TOP OF RET. WALL. SAWCUT TO BE FLUSH WITH (E) WALKWAY ELEVATIONS.
17	REMOVE (E) BLEACHER FOR ADA SEATING.
18	ROUGHEN (E) BLEACHER SURFACE FOR STAIR WIDENING. SEE DETAIL 20 SHEET L5.02.
19	REMOVE AND REPLACE (E) STAIRS.
20	RELOCATE (E) ELECTRICAL CONDUITS AND WIRES. SEE ELECTRICAL PLANS.
21	RELOCATE (E) ELECTRIC BOX 2.5' NORTH AND EXTEND/RELOCATE ELECTRIC LINES INTO BOX.
22	SAWCUT AND REMOVE (E) 3" VERTICAL CURB. THEN SAW CUT ADDITIONAL 4" DOWN INTO (E) RETAINING WALL TO MAKE OPENING TO POUR NEW CONCRETE LANDING FOR PROPOSED STAIRS.
23	(E) MONUMENT TO BE SALVAGED AND PROTECTED. OFFSITE BY OWNER DURING CONSTRUCTION. RELOCATE TO NEW LOCATION, SEE LANDSCAPE MATERIALS PLAN L1.01.
24	REMOVE (E) IRRIGATION SYSTEM UTILITY.
25	REMOVE (E) HANDRAIL MOUNTED TO WALL.

KEYMAP



LPA

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REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
K. GREEN W. HANCOCK
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EXP. 9-30-27
STATE OF CALIFORNIA

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VENTURA HIGH SCHOOL
TRACK AND FIELD REPLACEMENT
AND BLEACHER UPGRADES

2 NORTH CATALINA STREET
VENTURA, CA 93001
Developed for
VENTURA UNIFIED SCHOOL DISTRICT

Submital	Date	Revision	Date
100% SCHEMATIC DESIGN	12/10/2024	A. ADDENDUM A	08/14/2026
90% CONSTRUCTION DOCUMENTS	07/24/2025		
100% CONSTRUCTION DOCUMENTS	08/01/2025		
DSA BACKCHECK	11/03/2025		
DSA BACKCHECK	07/01/2026		
Job Number	32321		
Checked By	AW/MM		
Scale	1" = 20'		

DEMOLITION PLAN

KEY	NOTE	DESCRIPTION
50		PROTECT (E) BUILDING, FOUNDATION AND OTHER STRUCTURAL FEATURES AND BUILDING UTILITIES.
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DEMOLITION LEGEND	
LABEL	DESCRIPTION
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	REMOVE AND REPLACE (E) TRACK. SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
	REMOVE AND REPLACE (E) D-ZONE. SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
	REMOVE (E) ASPHALT PAVEMENT/SIDEWALK.
	REMOVE (E) CONCRETE.
	REMOVE (E) LANDSCAPING.
	GRIND AND OVERLAY EXISTING PAVEMENT. LIMITS SHOWN ARE APPROXIMATE. DEPTH PER GEOTECHNICAL ENGINEER'S RECOMMENDATION.

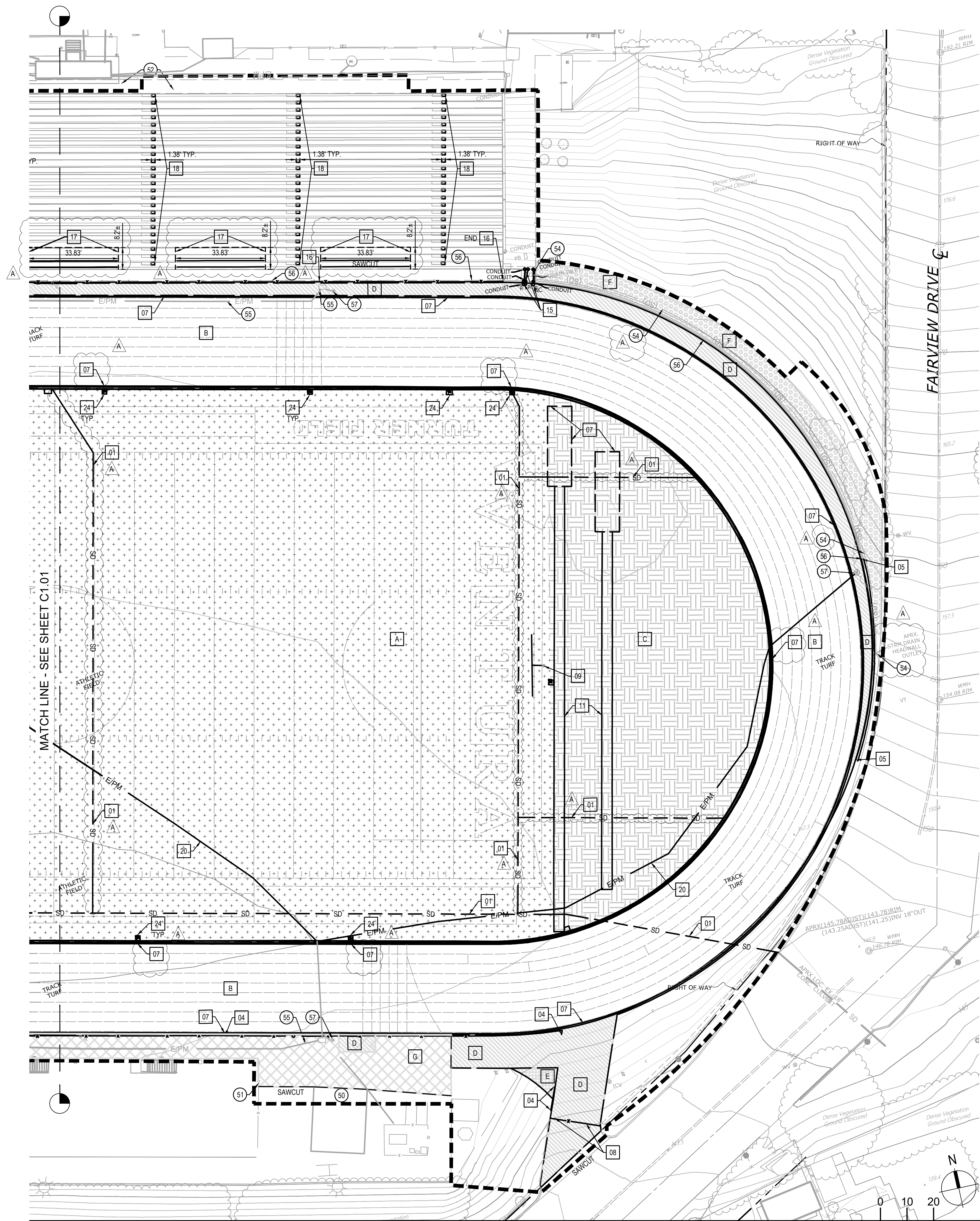
REMOVE (E) TREE, SEE DEMOLITION NOTE 5 SHEET C0.01.

(E) TREE TO REMAIN AND BE PROTECTED
SEE DEMOLITION NOTE 5 SHEET C0.01.

— — — — SAWCUT (E) PAVEMENT/RET WALL.
SEE DEMOLITION NOTE 6 AND 10 SHEET C0.01

RELOCATE (E) UTILITY,
SEE DEMOLITION NOTES 2, 4, 8, AND 9 SHEET C0.01

NOTE	DESCRIPTION
01	REMOVE (E) STORM DRAIN PIPE AND APPURTENANCES. SEE UTILITY PLAN FOR IMPROVEMENTS.
02	REMOVE AND REINSTALL (E) FENCE ON TOP OF PROPOSED CURB PER LANDSCAPE DETAIL 01 SHEET L5.04
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11	REMOVE (E) TRACK.
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13	RELOCATE (E) ELECTRIC LINE.
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18	ROUGHEN (E) BLEACHER SURFACE FOR STAIR WIDENING. SEE DETAIL 20 SHEET L5.02.
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20	RELOCATE (E) ELECTRICAL CONDUITS AND WIRES. SEE ELECTRICAL PLANS.
21	RELOCATE (E) ELECTRIC BOX 2 5" NORTH AND EXTEND/RELOCATE ELECTRIC LINES INTO BOX.
22	SAWOUT AND REMOVE (E) 3" VERTICAL CURB. THEN SAW CUT ADDITIONAL 4" DOWN INTO (E) RETAINING WALL TO MAKE OPENING TO POUR NEW CONCRETE LANDING FOR PROPOSED STAIRS.
23	(E) MONUMENT TO BE SALVAGED AND PROTECTED. OFFSITE BY OWNER DURING CONSTRUCTION. RELOCATE TO NEW LOCATION, SEE LANDSCAPE MATERIALS PLAN L1.01
24	REMOVE (E) IRRIGATION SYSTEM UTILITY.
25	REMOVE (E) HANDRAIL MOUNTED TO WALL.



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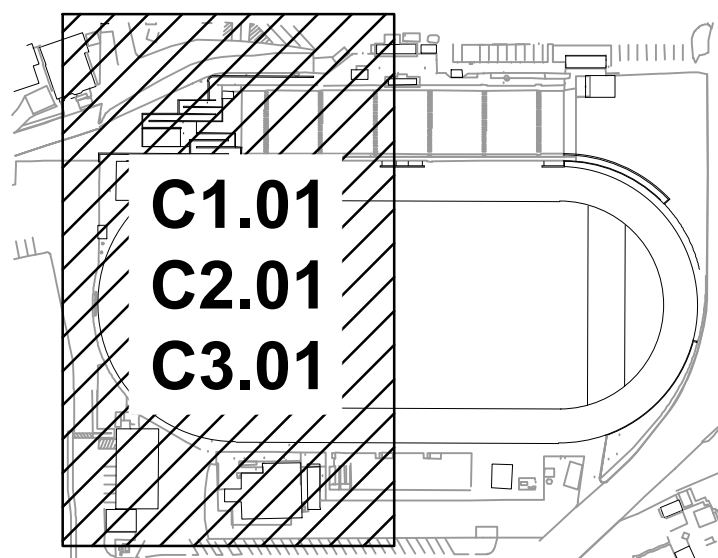
VENTURA HIGH SCHOOL TRACK AND FIELD REPLACEMENT AND BLEACHER UPGRADES

2 NORTH CATALINA STREET
VENTURA, CA 93001

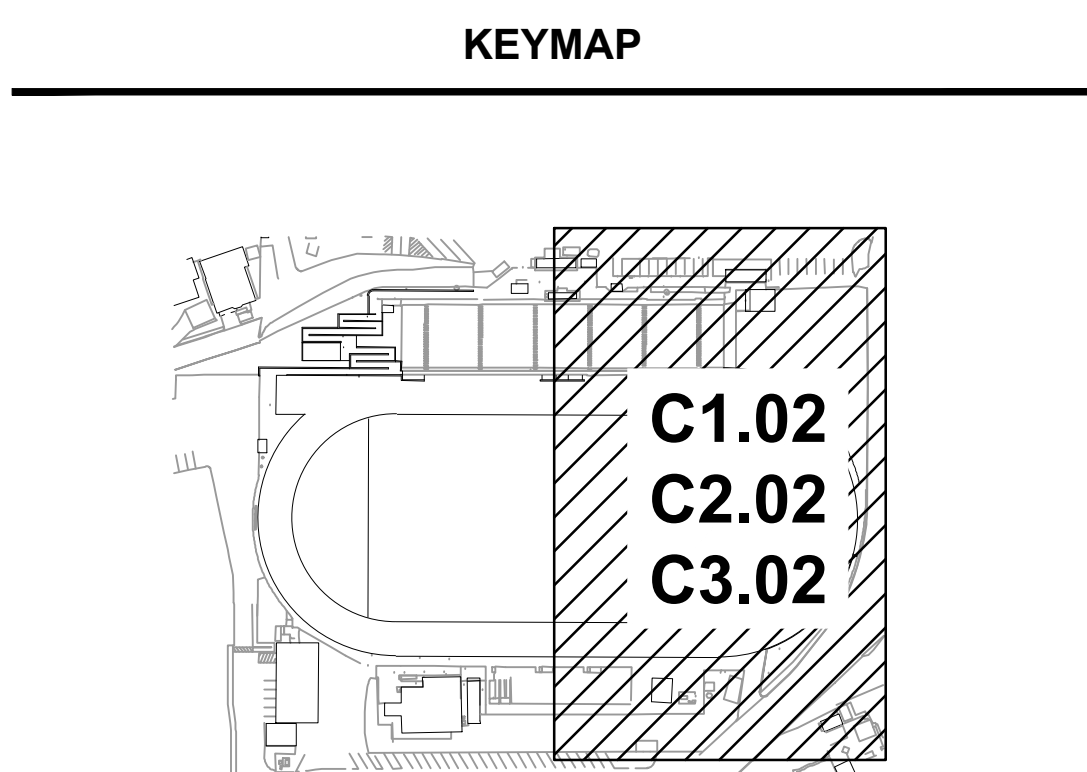
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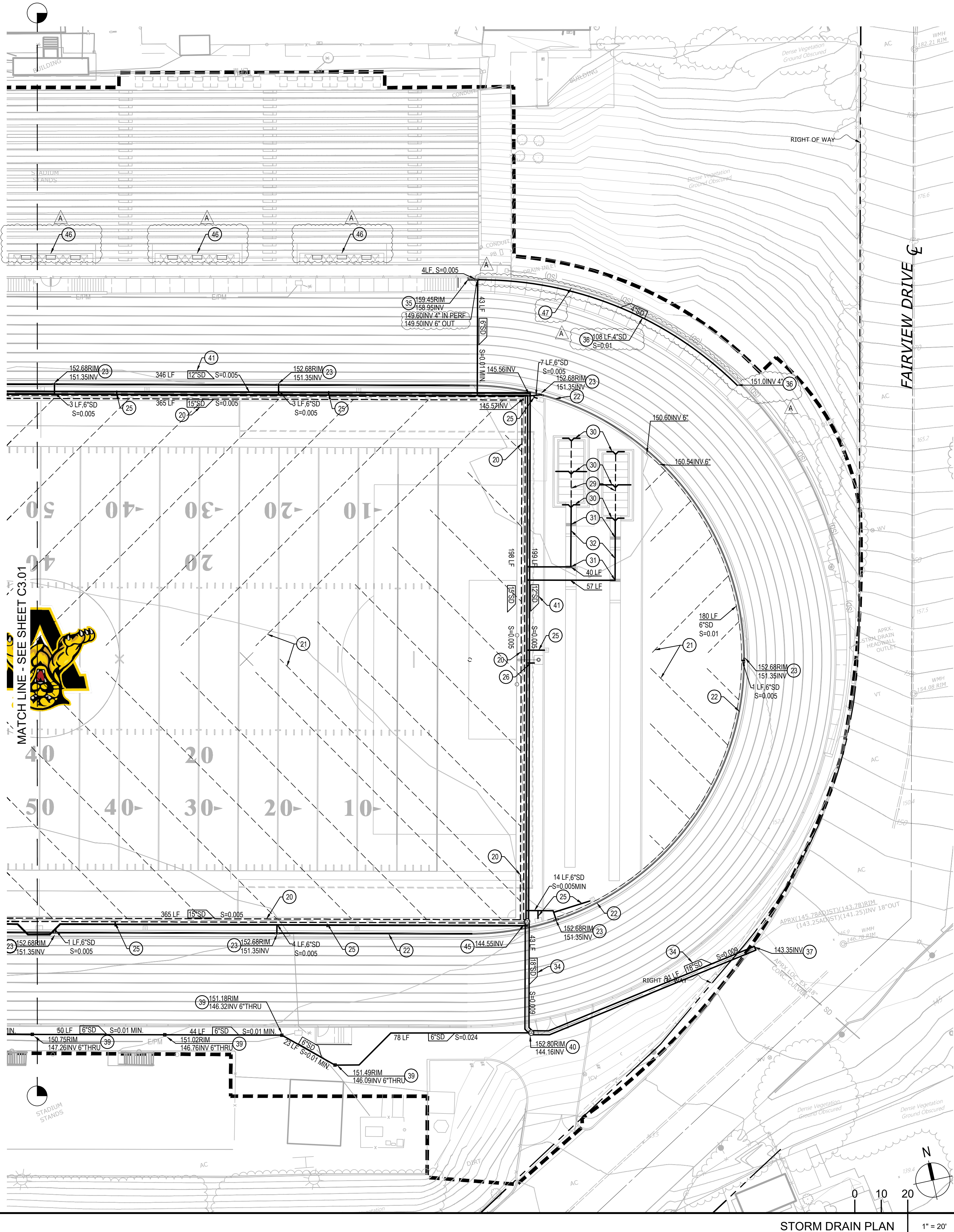
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DEMOLITION PLAN



C2.01



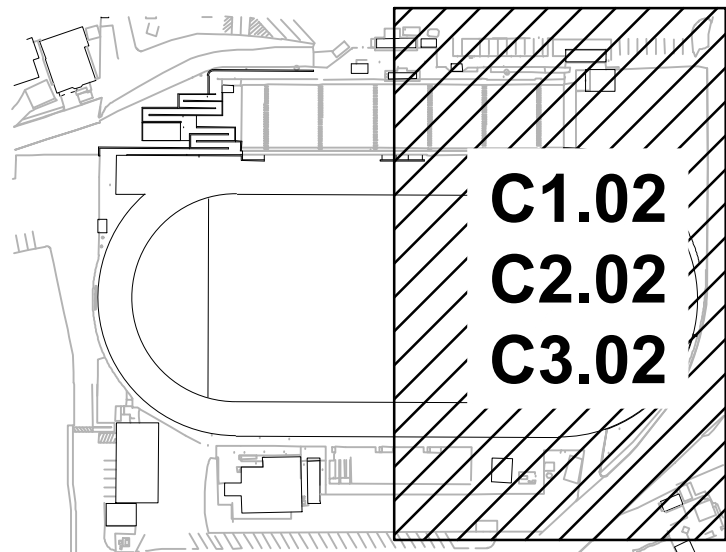


STORM DRAIN CONSTRUCTION NOTES

- KEY NOTE
- 20 SUPPLY AND INSTALL 15" PERFORATED HDPE PERIMETER SUBRAIN PER DETAIL 06 SHEET C7.01.
- 21 SUPPLY AND INSTALL FIELD SUBDRAINS 12" MULTI-FLOW FLAT DRAIN 20" ON CENTER PER DETAIL 05 SHEET L5.05.
- 22 SUPPLY AND INSTALL ACO SPORT 3000 SLOT CHANNEL DRAIN SYSTEM. SEE DETAIL 16 SHEET L5.05. SEE MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL DETAILS.
- 23 SUPPLY AND INSTALL ACO SPORT 3000 SYSTEM IN LINE CLEAN OUT CATCH BASIN WITH TRASH BASKET AND 6" STORM DRAIN AT 0.5% MIN SLOPE. SEE DETAIL 16 SHEET L5.05. SEE MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL DETAILS.
- 24 TERMINATE STORM DRAIN WITHIN FIELD PERIMETER SUBRAIN TRENCH. LEAVE END OPEN AND COVER WITH CLEAN DRAIN ROCK. SEE DETAIL 01 SHEET C7.01.
- 25 SUPPLY AND INSTALL 1" SCH 40 SPORT FIELD UTILITY BOX DRAIN PIPE S=0.010 MIN. SEE DETAIL 21 SHEET L5.05.
- 26 SUPPLY AND INSTALL 2" SCH 40 SPORT FIELD GOAL POST BOX DRAIN PIPE S=0.010 MIN. SEE DETAIL 21 SHEET L5.07.
- 27 SUPPLY AND INSTALL 2" SCH 40 SPORT FIELD POLE VAULT DRAIN PIPE S=0.010 MIN. SEE DETAIL 13 SHEET L5.06.
- 28 SUPPLY AND INSTALL 2" SCH 40 DISCUSS THROW DRAIN PIPE S=0.010 MIN. SEE DETAIL 03 SHEET L5.08.
- 29 SUPPLY AND INSTALL LONG JUMP PIT PERFORATED DRAIN PIPE. SEE DETAIL 06 SHEET L5.06.
- 30 CONNECT TO LONG JUMP SAND TRAP PERIMETER DRAIN.
- 31 CONNECT TO LONG JUMP TAKE OFF BOARD PER DETAIL 07 SHEET L5.06.
- 32 SUPPLY AND INSTALL 4" PVC STORM DRAIN.
- 33 SUPPLY AND INSTALL 6" PVC STORM DRAIN.
- 34 SUPPLY AND INSTALL 18" PVC STORM DRAIN.
- 35 SUPPLY AND INSTALL 4" ACO TRENCH DRAIN AT 0.50%. SEE DETAIL 13 SHEET C7.01 AND DETAIL 4 SHEET C7.01. WHERE APPROPRIATE PROVIDE BOTTOM KNOCKOUT TO CONNECT TO STORM DRAIN/PERFORATED PIPE.
- 36 SUPPLY AND INSTALL 4" PERFORATED HDPE PIPE AT 1.0%. SEE DETAIL 01 SHEET L5.02. WHERE THE PIPE PENETRATES THE RETAINING WALL, THE CONTRACTOR TO DETERMINE THE FINAL INVERT ELEVATION BASED ON GRADES ON SITE.
- 37 CONNECT TO EXISTING STORM DRAIN MANHOLE. CONTRACTOR TO VERIFY EXISTING MANHOLE INVERTS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST. ENSURE EXISTING STORM DRAIN OUTLET IS FREE OF DEBRIS AND EXISTING SYSTEM FLOW IS UNOBSTRUCTED. ANY DEBRIS SHALL BE DISPOSED OF AT NO EXPENSE TO THE OWNER.
- 38 CONNECT TO EXISTING STORM DRAIN INLET. CONTRACTOR TO VERIFY EXISTING INVERTS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER.
- 39 SUPPLY AND INSTALL 12"x12" ATRIUM DRAIN INLET PER DETAIL 05 SHEET C7.01.
- 40 SUPPLY AND INSTALL CLEAN OUT PER DETAIL 11 SHEET C7.01.
- 41 SUPPLY AND INSTALL 12" PVC STORM DRAIN.
- 42 TERMINATE STORM DRAIN WITHIN FIELD PERIMETER SUBRAIN TRENCH. LEAVE END OPEN AND COVER WITH WITH CLEAN DRAIN ROCK. SEE DETAIL 06 SHEET C7.01.
- 43 NARROW TRENCH SHALL BE PROVIDED TO INSTALL STORM DRAIN. TRENCH MUST NOT UNDERMINE THE EXISTING FOOTING ON THE EXISTING BLEACHERS.
- 44 SUPPLY AND INSTALL 12"x12" ADA GRATE PER DETAIL 09 SHEET C7.01.
- 45 SUPPLY AND INSTALL SYNTHETIC TURF CLEAN OUT PER DETAIL 14 SHEET C7.01.
- 46 SUPPLY AND INSTALL FILTER FABRIC WRAPPED GRAVEL CONTINUOUS AT RETAINING WALL WITH WEEP HOLES PER DETAIL 12 SHEET L5.02. SEE ALSO 18 SHEET L4.04.
- 47 CONNECT EXISTING RETAINING WALL WEEP HOLES TO 4" SD PER DETAIL 21 SHEET L5.01.

- NOTES:
1. UTILITIES TO CROSS OVER OR UNDER OTHER UTILITIES TO MAINTAIN 12" MINIMUM CLEARANCE AT UTILITY CROSSINGS, UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL VERIFY SIZE AND LOCATION HORIZONTAL AND VERTICAL OF EXISTING CROSSING AND JOINING UTILITIES PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICT.
3. CONTRACTOR SHALL CONSTRUCT GRAVITY UTILITIES (SEWER AND STORM DRAIN) BEFORE OTHER UTILITIES. CONSTRUCTION OF THESE GRAVITY UTILITIES TO START FROM THE DOWNSTREAM ENDS.
4. EXISTING UTILITIES ARE COMPILED BASED ON PREVIOUS BASE FILES. FIELD SURVEY AND FIELD VERIFICATION. POT HOLLING IS RECOMMENDED TO VERIFY ANY AND ALL UTILITIES KNOWN OR UNKNOWN WHICH MAY BE IN CONFLICT WITH PROPOSED CONSTRUCTION.
5. PRIOR TO THE REMOVAL OF ANY WET OR DRY UTILITY LINES, THE CONTRACTOR SHALL CONFIRM WITH OWNER REPRESENTATIVE WHETHER THESE UTILITY LINES ARE STILL ACTIVE OR NOT. IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICT.
6. CONTRACTOR TO ADJUST TO FINISHED GRADE ALL EXISTING UTILITY BOXES, STORM DRAIN CLEANOUT COVERS, PULL BOXES AND VALVE COVERS NOT SPECIFICALLY SHOWN WITHIN THE LIMITS OF WORK.
7. SEE DETAIL 02 SHEET C7.01 FOR STORM DRAIN UTILITY TRENCHING AND BACKFILL.
8. SAWCUT. REMOVE AND REPLACE EXISTING CURB AS REQUIRED FOR TRENCHING. MATCH EXISTING CURB.
9. ALL PRECAST DRAIN INLETS TO HAVE AN APPROVED "NO DUMPING DRAINS TO RIVER" 3" X 5/8" ROUNDED CORNERED RECTANGLES STYLE #NDR OR 4" DIAMETER ROUND STYLE #SDR ABRASION AND UV RESISTANT DURACAST STYLE MARKER BY DAS MANUFACTURING OR EQUIVALENT APPLIED TO THE CONCRETE COLLAR AROUND DRAIN INLET USING RAPID SET URETHANE ADHESIVE OR QUICKSTIK EPOXY PUTTY ADHESIVE PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
http://www.dasmanufacturing.com/product_guide.html

KEYMAP



LPA

ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING

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REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
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**VENTURA HIGH SCHOOL
TRACK AND FIELD REPLACEMENT
AND BLEACHER UPGRADES**

2 NORTH CATALINA STREET
VENTURA, CA 93001

Developed for
VENTURA UNIFIED SCHOOL DISTRICT

Submission	Date	Revision	Date
100% SCHEMATIC DESIGN	12/10/2024	A. ADDENDUM A	08/14/2026
95% CONSTRUCTION DOCUMENTS	07/24/2025		
100% CONSTRUCTION DOCUMENTS	08/07/2025		
DSA BACKCHECK	11/03/2025		
DSA BACKCHECK	07/01/2026		
Job Number	32321		
Checked By	AW,MM		
Scale	1"=20'		

STORM DRAIN PLAN

C3.02

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2 NORTH CATALINA STREET
VENTURA, CA 93001

Developed for

Submission	Date
100% SCHEMATIC DESIGN	12/10/2024
100% DESIGN DEVELOPMENT	04/11/2025
50% CONSTRUCTION DOCS	07/24/2025
100% CONSTRUCTION DOCS	09/01/2025
DSA BACKCHECK	11/03/2025
DSA BACKCHECK	07/01/2026

EROSION CONTROL
PLAN

LEGEND

EROSION CONTROL BMPs:

SEDIMENT CONTROL BMPs:

TRACKING CONTROL BMPs:

NON-STORMWATER MANAGEMENT CONTROL BMPs:

WIND EROSION CONTROL BMPs:

**WASTE MANAGEMENT AND MATERIALS
POLLUTION CONTROL BMPs:**

STORM WATER STORAGE OR CONTAINMENT

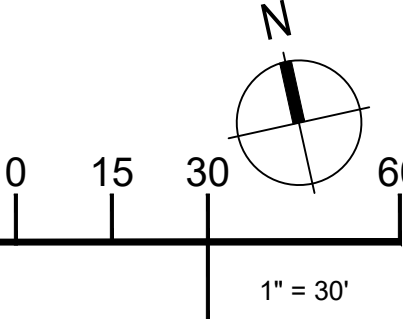
DISCHARGE LOCATIONS

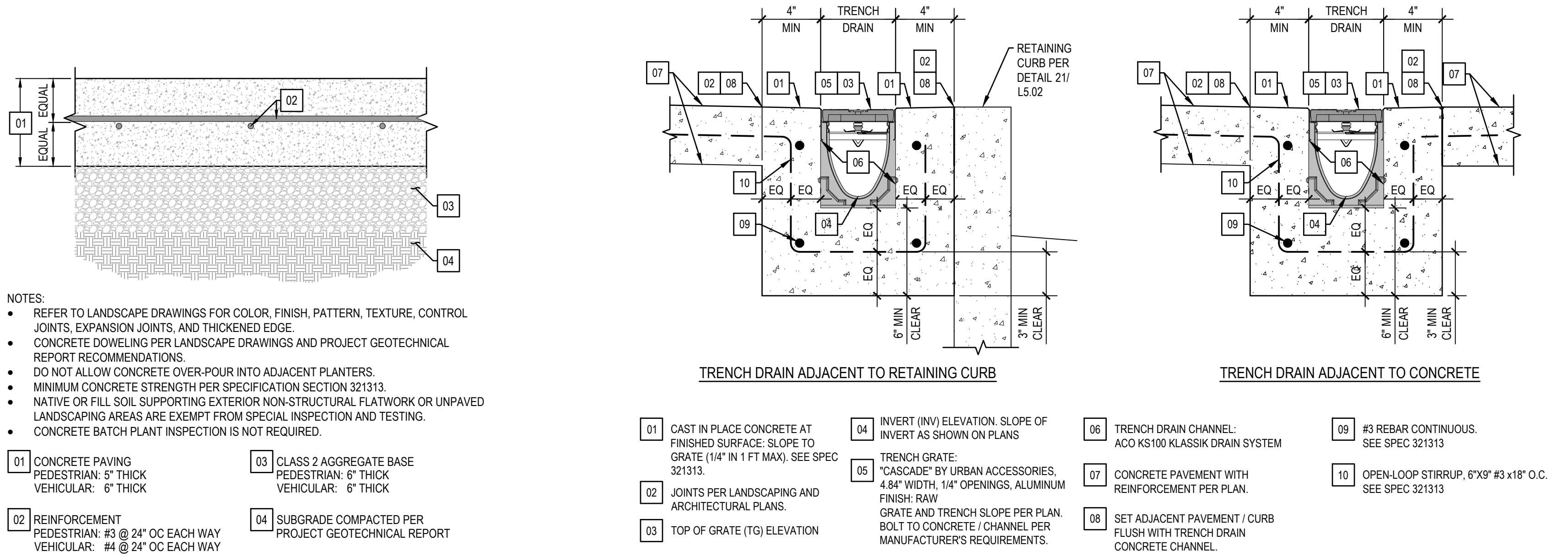
D# DISCHARGE LOCATION

SAMPLING LOCATIONS

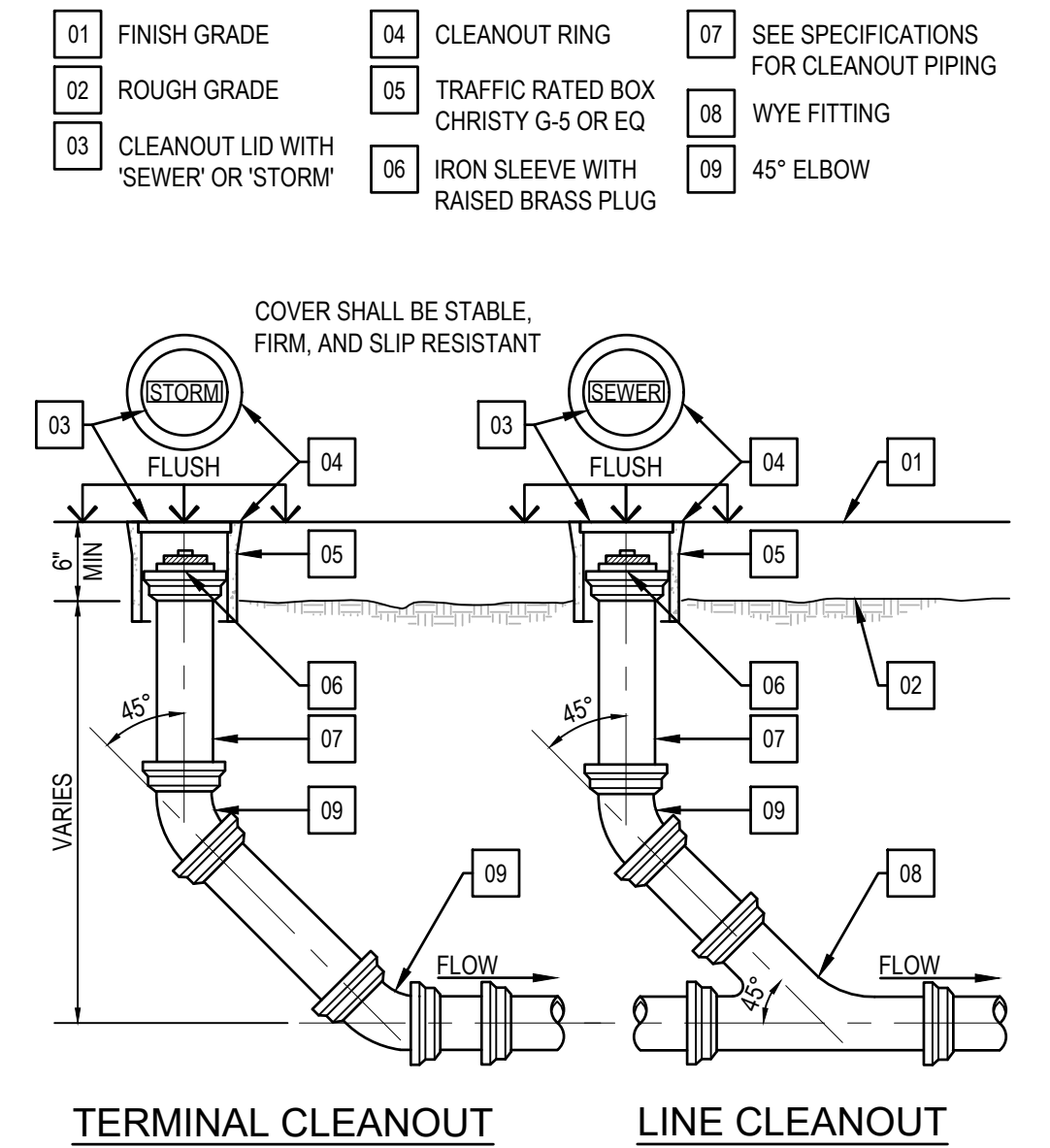
B#	POLLUTANT SAMPLE LOCATION - BACKGROUND SAMPLE
C#	POLLUTANT SAMPLE LOCATION - CONTRACTORS YARD
S#	POLLUTANT SAMPLE LOCATION - SITE
R#	POLLUTANT SAMPLE LOCATION - RUN-ON

NOTE:
THE SAMPLE LOCATIONS SHOWN ARE THE MINIMUM REQUIREMENT FOR THE PROJECT SITE
AND RISK LEVEL X. SAMPLE LOCATIONS MAY BE RELOCATED IF FIELD CONDITIONS WILL NOT
ALLOW FOR SATISFACTORY SAMPLING. ANY ADJUSTMENTS TO SAMPLING LOCATIONS MUST
MEET THE INTENDED PURPOSE ORIGINALLY DESIGNATED FOR THAT LOCATION AND MUST BE
DOCUMENTED WITH A SWPPP AMENDMENT FORM.



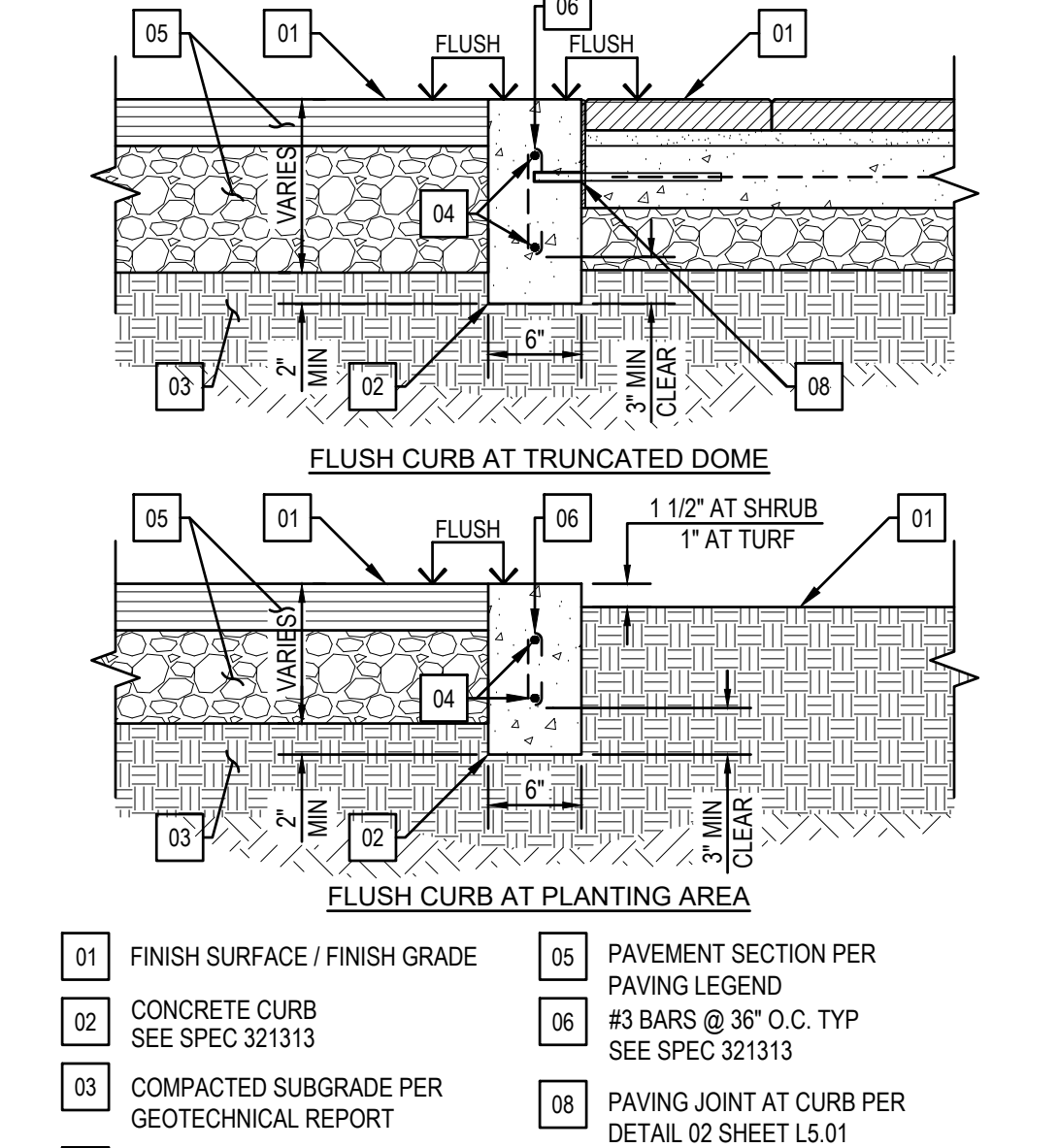


CONCRETE PAVING NTS 12



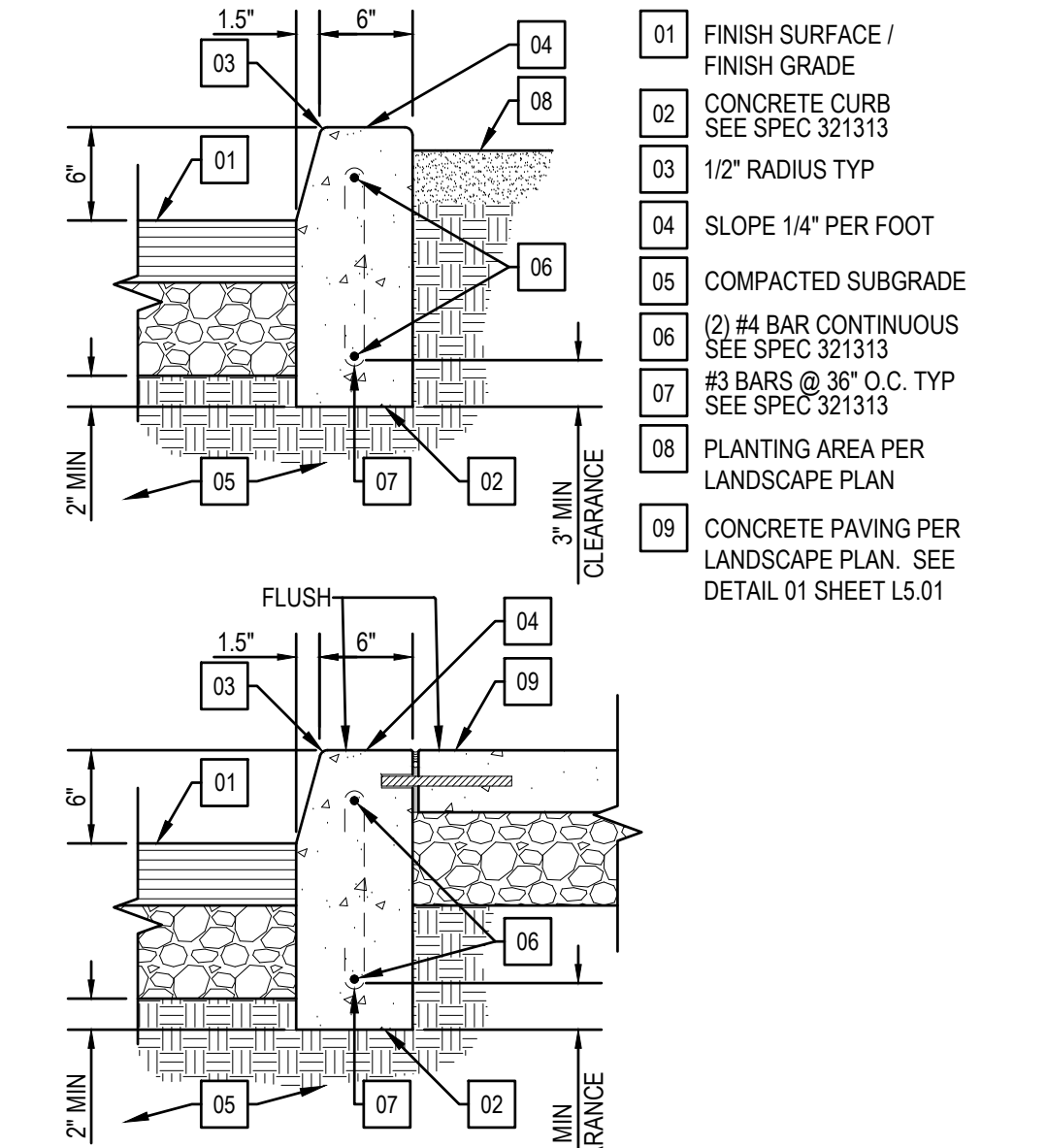
1-WAY CLEANOUT NTS 11

TRENCH DRAIN NTS 04

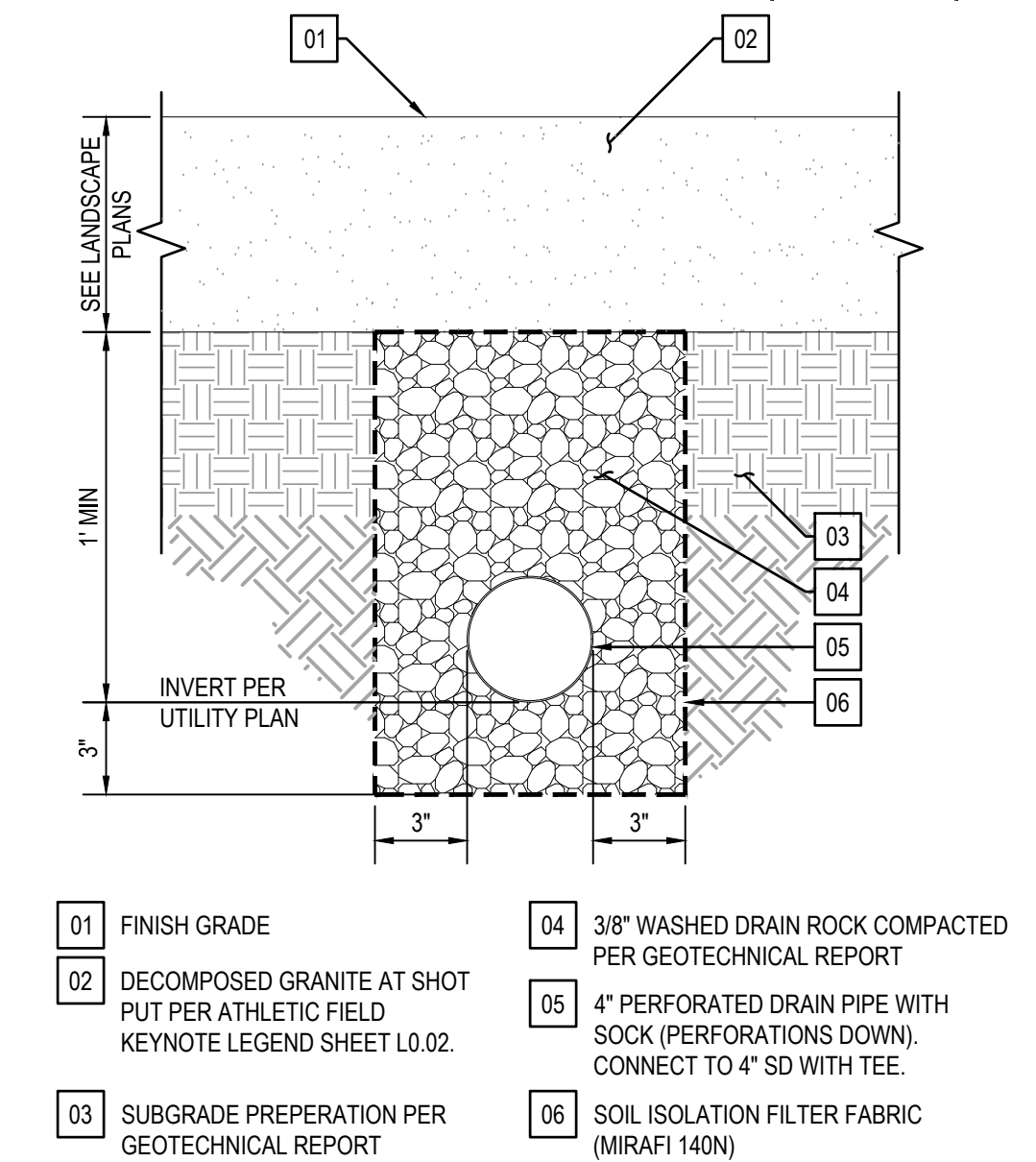


FLUSH CURB NTS 07

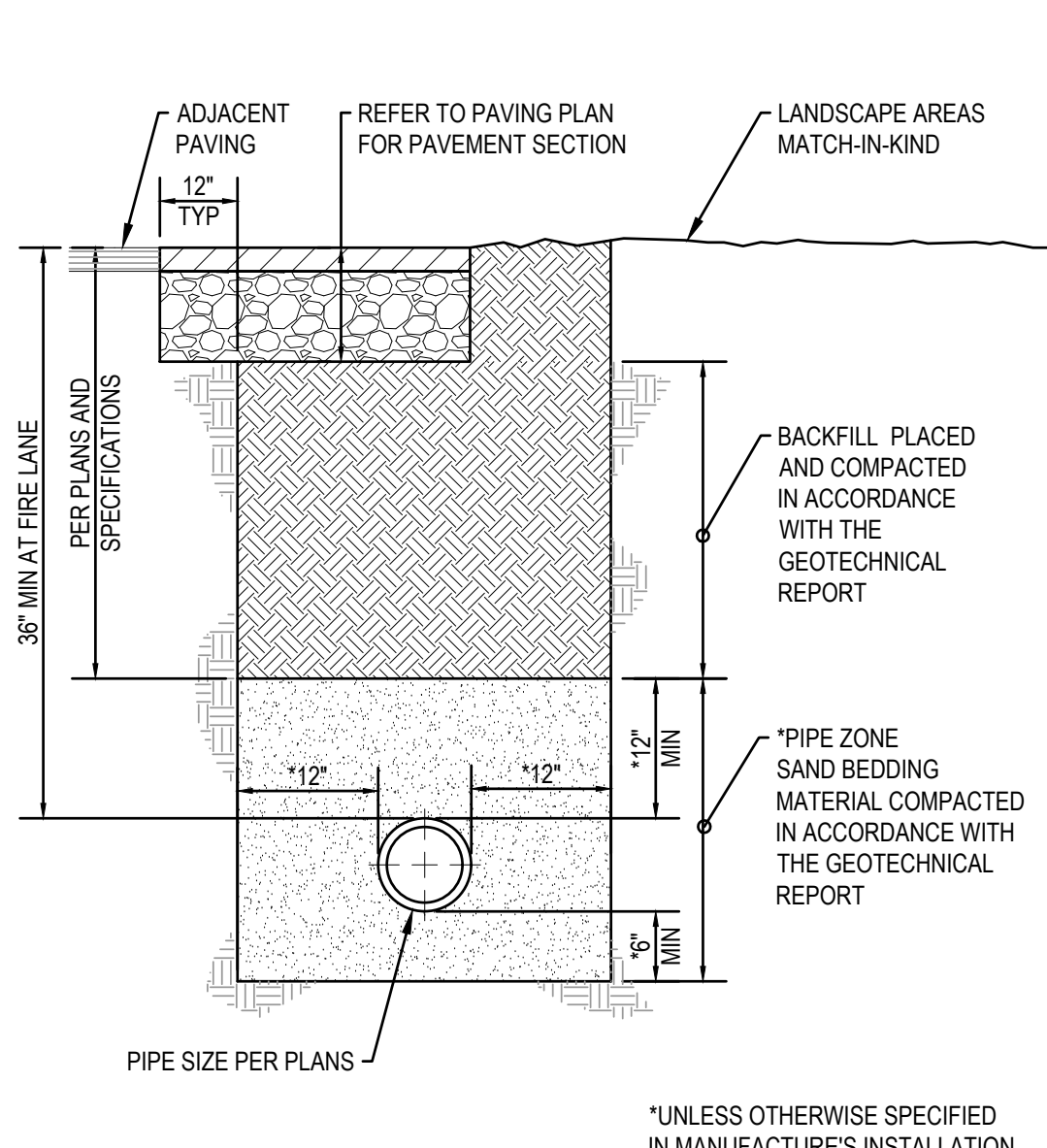
VERTICAL CURB NTS 03



SHOTPUT SUBDRAIN NTS 02

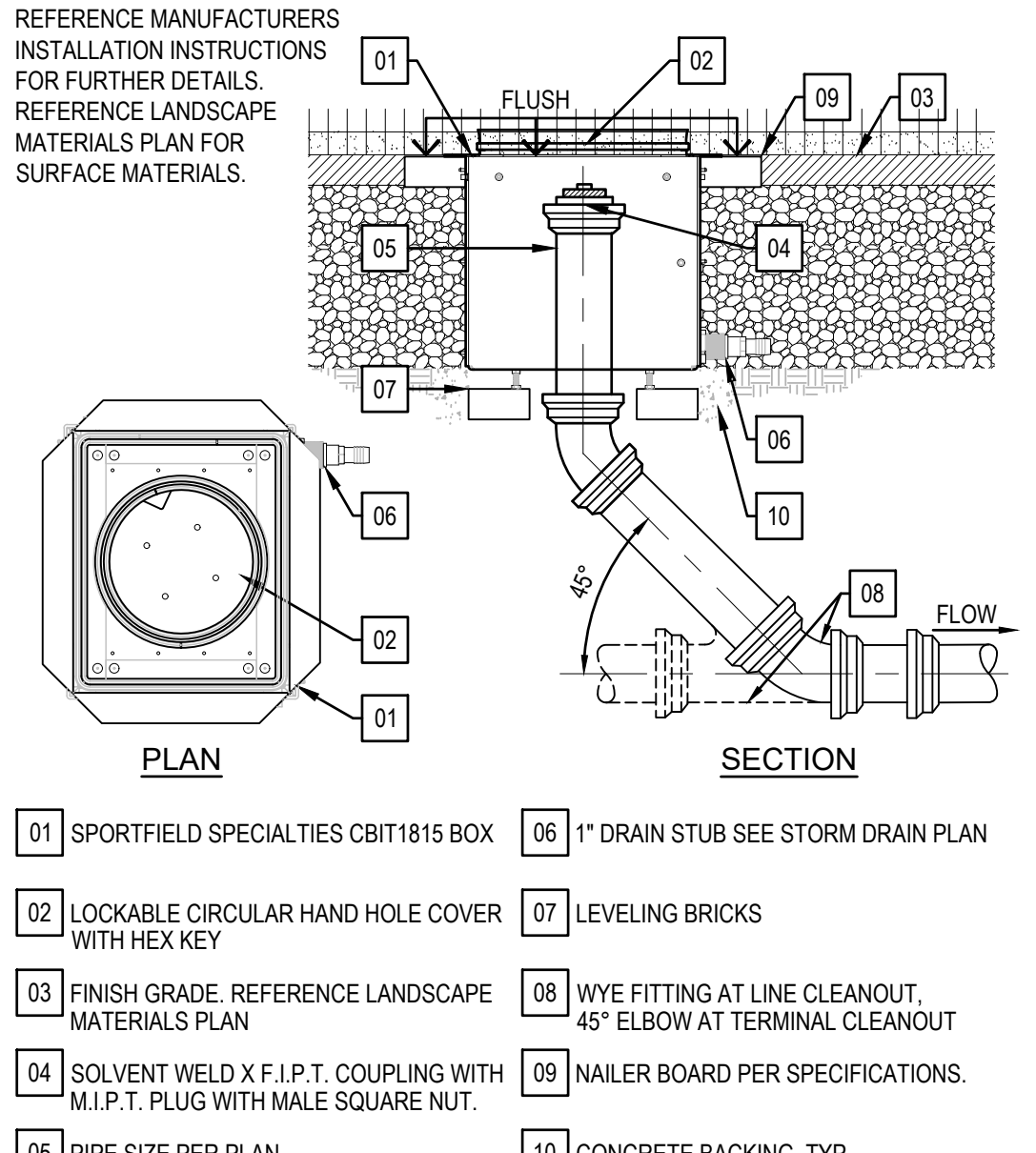


PERIMETER DRAIN @ SYNTHETIC TURF NTS 06

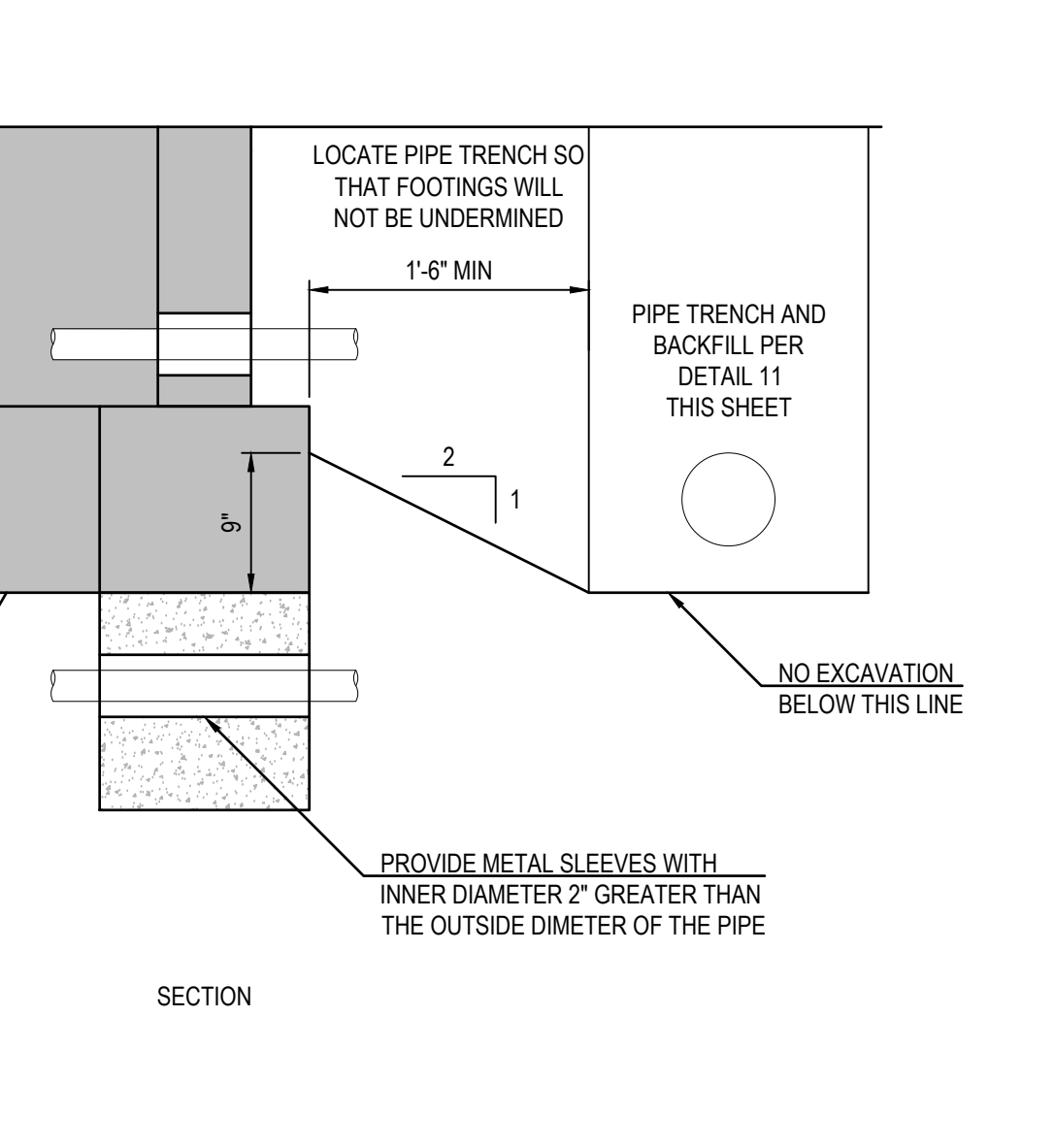


PIPE TRENCH NTS 01

PIPE TRENCH NTS 01

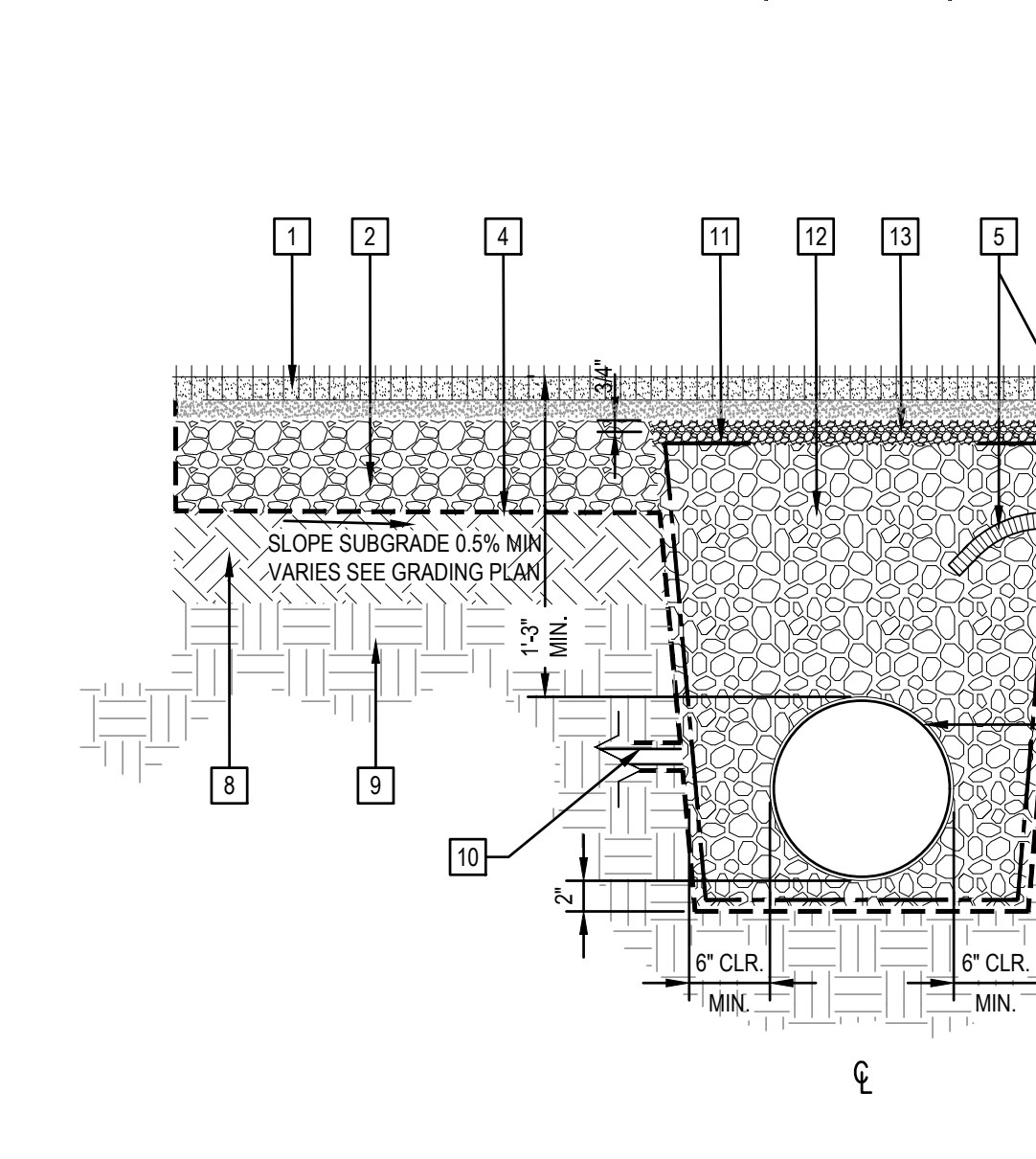


CLEANOUT AT SYNTHETIC TURF NTS 14

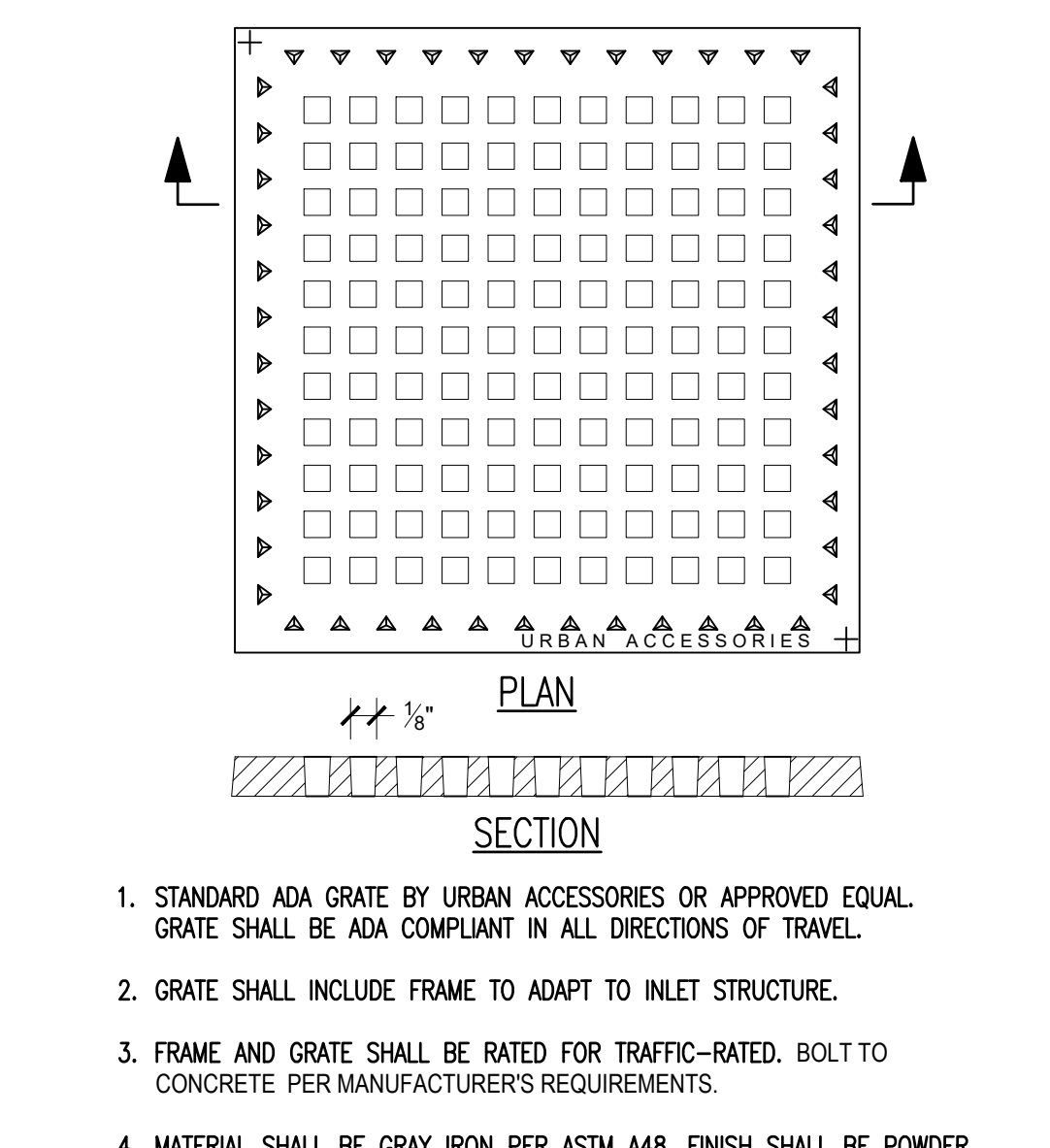


TYPICAL PIPE TRENCH AT FOOTING NTS 13

TYPICAL PIPE TRENCH AT FOOTING NTS 13

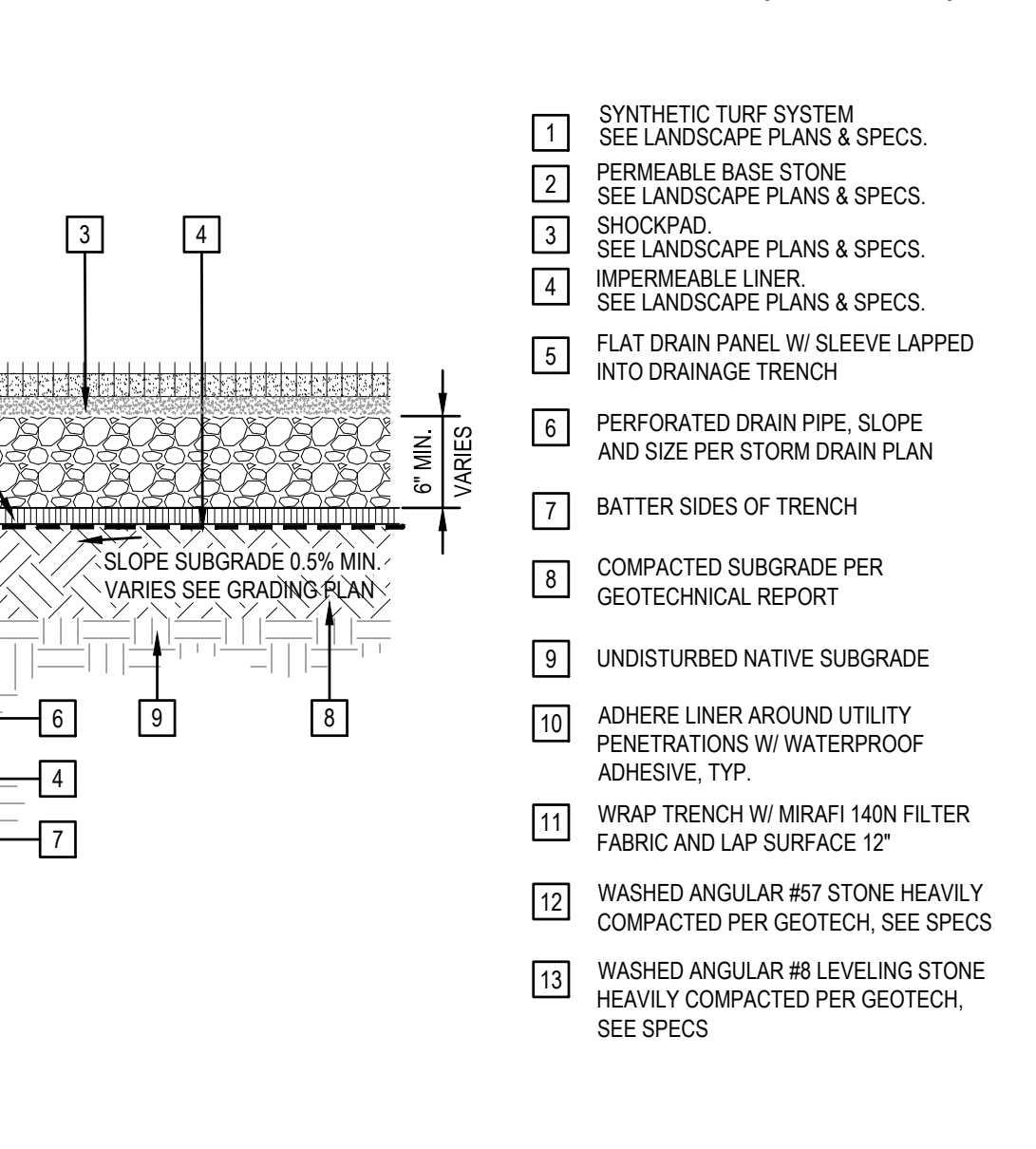


ADA GRATE NTS 09

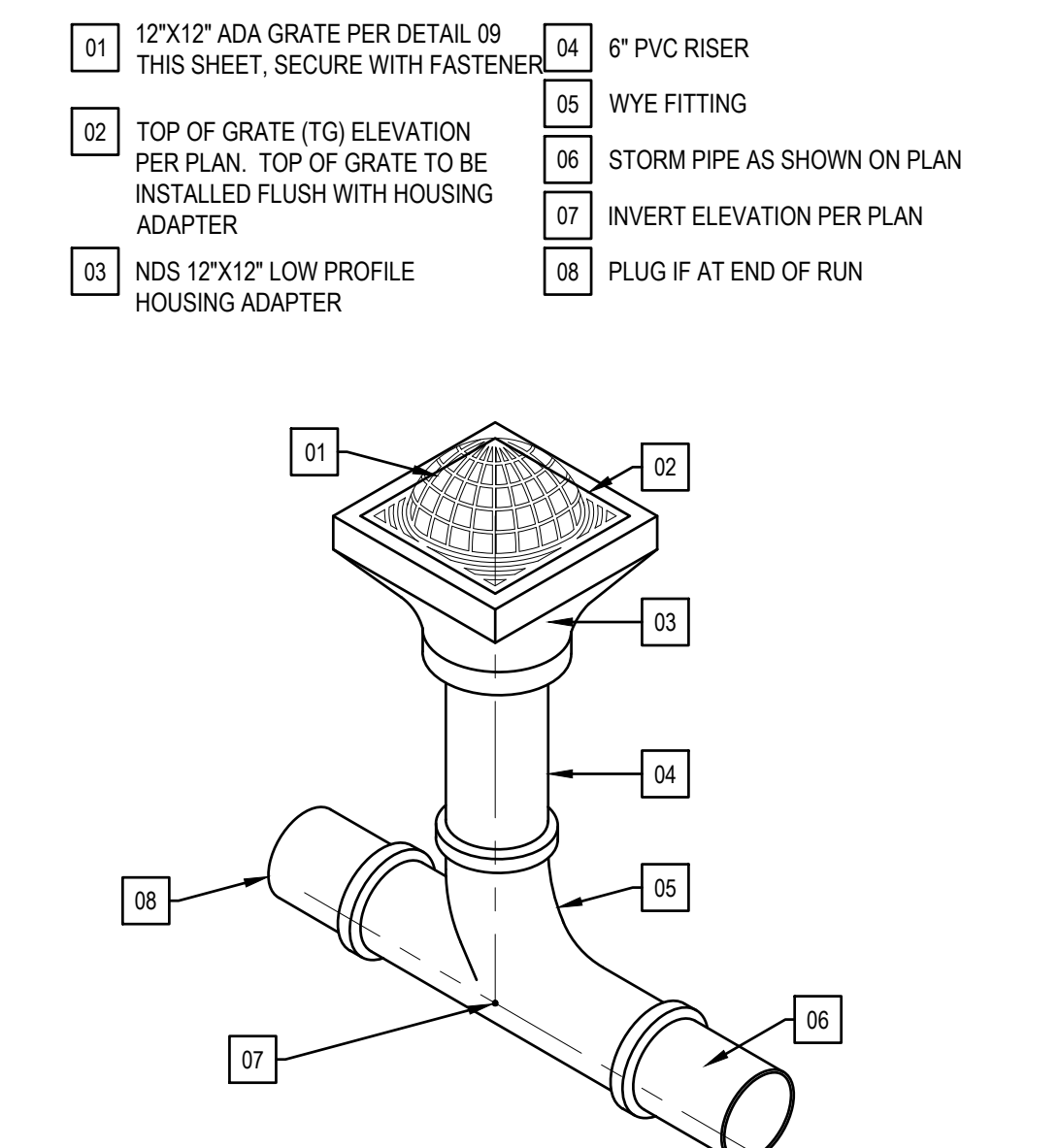


ADA GRATE NTS 09

ADA GRATE NTS 09



ADA GRATE NTS 09



ADA GRATE NTS 09

ADA GRATE NTS 09

Date	
Revision	

Date	12/10/2024
Submitted	100% SCHEMATIC DESIGN
	50% CONSTRUCTION DOCUMENTS
	100% CONSTRUCTION DOCUMENTS
	DSA BACKCHECK
	DSA BACKCHECK
	11/03/2025
	07/01/2026
Job Number	32321
Checked By	AW/MM
Scale	N/A

ABBREVIATIONS			PLANTING NOTES		
& /	AND	GA	GAUGE		
@	ANGLE	GALV	GALVANIZED		
Ø	AT	GND.	GROUND		
#	CENTERLINE	GR.	GRADE		
	DIAMETER OR ROUND POUND OR NUMBER	HDR	HEADER		
		HT.	HEIGHT		
ADJ.	ADJACENT	LT.	LIGHT		
AGGR.	AGGREGATE				
AL.	ALUMINUM				
APPROX.	APPROXIMATE	MAX.	MAXIMUM		
ARCH.	ARCHITECTURAL	MET.	METAL		
AC.	ASPHALT	MFR.	MANUFACTURER		
ACC.	ACCESSIBLE	MIN.	MINIMUM		
		MTD.	MOUNTED		
B.C.R.	BEGINNING OF CURVE RADIUS	MTL.	MATERIAL		
B.O.C.	BACK OF CURB				
B.O.W.	BOTTOM OF WALL	N.I.C.	NOT IN CONTRACT		
B.O.S.	BOTTOM OF SLOPE	N.T.S.	NOT TO SCALE		
BLDG.	BUILDING				
BLK.	BLOCK	O.C.	ON CENTER		
		O.D.	OUTSIDE DIAMETER		
		(DIM.)			
C.E.	CIVIL ENGINEER				
C.I.P.	CAST IN PLACE				
CLKG.	CAULKING	PA	PLANTING AREA		
CMU.	CONCRETE MASONRY UNIT	PED.	PEDESTRIAN		
CONC.	CONCRETE	PRECAST.	PRECAST		
CONSTR.	CONSTRUCTION	P.I.P.	POURED IN PLACE		
CONT.	CONTINUOUS	P.O.T.	POINT OF TANGENCY		
CTR.	CENTER	P.T.S.	POST TENSION SLAB		
D.A.	DISABLED ACCESS	QTY	QUANTITY		
DET.	DETAIL				
DIA.	DIAMETER	R.	RISER		
DM.	DIMENSION	RAD.	RADIUS		
DN.	DOWN	REINF.	REINFORCED		
DWGS.	DRAWINGS	REQ.	REQUIRED		
E.J.	EXPANSION JOINT	SCHED.	SCHEDULE		
EL.	ELEVATION	SHT.	SHEET		
ELEC.	ELECTRICAL	SPEC.	SPECIFICATION		
EQ.	EQUAL	S.S.	STAINLESS STEEL		
EXP.	EXPANSION	STD.	STANDARD		
EXT.	EXTERIOR	STRIL.	STRUCTURAL		
F.G.	FINISH GRADE	T.	TREAD		
F.S.	FINISH SURFACE	T.O.C.	TOP OF CURB		
F.O.B.	FACE OF BUILDING	T.O.S.	TOP OF SLOPE		
F.O.C.	FACE OF CURB	T.O.W.	TOP OF WALL		
F.O.W.	FACE OF WALL	TYP.	TYPICAL		
		TBD.	TO BE DETERMINED		
VEH.	VEHICULAR				
VERT.	VERTICAL				
W.	WITH				
W/O	WITHOUT				

ABBREVIATIONS			PLANTING NOTES		
& /	AND	GA	GAUGE		
@	ANGLE	GALV	GALVANIZED		
Ø	AT	GND.	GROUND		
#	CENTERLINE	GR.	GRADE		
	DIAMETER OR ROUND POUND OR NUMBER	HDR	HEADER		
		HT.	HEIGHT		
ADJ.	ADJACENT	LT.	LIGHT		
AGGR.	AGGREGATE				
AL.	ALUMINUM				
APPROX.	APPROXIMATE	MAX.	MAXIMUM		
ARCH.	ARCHITECTURAL	MET.	METAL		
AC.	ASPHALT	MFR.	MANUFACTURER		
ACC.	ACCESSIBLE	MIN.	MINIMUM		
		MTD.	MOUNTED		
B.C.R.	BEGINNING OF CURVE RADIUS	MTL.	MATERIAL		
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BLK.	BLOCK	O.C.	ON CENTER		
		O.D.	OUTSIDE DIAMETER		
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C.E.	CIVIL ENGINEER				
C.I.P.	CAST IN PLACE				
CLKG.	CAULKING	PA	PLANTING AREA		
CMU.	CONCRETE MASONRY UNIT	PED.	PEDESTRIAN		
CONC.	CONCRETE	PRECAST.	PRECAST		
CONSTR.	CONSTRUCTION	P.I.P.	POURED IN PLACE		
CONT.	CONTINUOUS	P.O.T.	POINT OF TANGENCY		
CTR.	CENTER	P.T.S.	POST TENSION SLAB		
D.A.	DISABLED ACCESS	QTY	QUANTITY		
DET.	DETAIL				
DIA.	DIAMETER	R.	RISER		
DM.	DIMENSION	RAD.	RADIUS		
DN.	DOWN	REINF.	REINFORCED		
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EQ.	EQUAL	S.S.	STAINLESS STEEL		
EXP.	EXPANSION	STD.	STANDARD		
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F.G.	FINISH GRADE	T.	TREAD		
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F.O.C.	FACE OF CURB	T.O.W.	TOP OF WALL		
F.O.W.	FACE OF WALL	TYP.	TYPICAL		
		TBD.	TO BE DETERMINED		
VEH.	VEHICULAR				
VERT.	VERTICAL				
W.	WITH				
W/O	WITHOUT				

1.	REFER TO CIVIL ENGINEER'S DRAWINGS FOR UTILITY LOCATIONS. TREE SUBDRAINAGE, STUBOUTS, (IF REQUIRED), AND FINAL GRADING. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR DIRECTION AS TO HOW TO PROCEED.
2.	VERIFY LOCATIONS OF ALL PERTINENT EXISTING AND PROPOSED SITE IMPROVEMENTS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTION PRIOR TO COMMENCING WORK.
3.	EXACT LOCATIONS OF PLANT MATERIALS SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATION IN FIELD.
4.	CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PLANT COUNTS AND SQUARE FOOTAGES. QUANTITIES SHOWN ON PLANS TAKE PRECEDENCE OVER WRITTEN QUANTITIES IN "PLANTING LEGEND."
5.	PROVIDE MATCHING FORMS AND SIZES FOR ALL PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS.
6.	PRUNE NEWLY PLANTED TREES ONLY AS DIRECTED BY LANDSCAPE ARCHITECT.
7.	ALIGNED AND EQUALLY SPACED, IN ALL DIRECTIONS, ALL SHRUBS TO BE AS DESIGNATED PER THESE NOTES AND DRAWINGS.
8.	ALL TREES IN ROWS TO BE ALIGNED. (UNLESS NOTED OTHERWISE ON PLANS)
9.	TREES SHALL BEAR SAME RELATION TO FINISH GRADE AS AT PLACE OF GROWTH.
10.	FINISH GRADES OF ALL TURF AREAS SHALL BE (1") BELOW ADJACENT CURB OR PAVEMENT. FINISH GRADES OF ALL SHRUB AREAS SHALL BE (2-1/2") BELOW ADJACENT CURB, PAVEMENT OR HEADER.
11.	CONTRACTOR SHALL SUBMIT FOR APPROVAL COLOR PHOTOS OF ALL TREES, SHRUBS, AND GROUNDCOVER. PHOTOS SHOULD INCLUDE A PERSON FOR SCALE PURPOSES. PHOTOS SHALL BE OF THE ACTUAL PLANT MATERIAL, TO BE USED ON THE PROJECT. ALL PLANT MATERIAL SHALL BE OF A QUALITY AS DETERMINED BY THE LANDSCAPE ARCHITECT. MATERIAL FOUND UNSUITABLE FOR THE DESIGN OR SPECIFICATION INTENT WILL BE REJECTED.
12.	PROVIDE A (3") LAYER OF MULCH AT PROPOSED TREE, SHRUB, AND GROUNDCOVER PLANTING AREAS, EXCEPT AREAS WITH JUTE MESHING.
13.	CONTRACTOR SHALL CONDUCT AGRICULTURAL SUITABILITY AND FERTILITY SOILS TESTING PER SOIL PREPARATION SPECIFICATION. ANALYSIS SHALL INCLUDE RECOMMENDATIONS FOR SOIL PREPARATION AND BACKFILL MIX AS WELL AS RECOMMENDATIONS FOR POST MAINTENANCE FERTILIZATION. SUBMIT SOILS ANALYSES AND SAMPLES OF AMENDMENTS TO LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO SOIL PREPARATION.
14.	QUANTITIES LISTED ON PLANT LEGEND ARE PER SHEET. CONTRACTOR MUST VERIFY QUANTITIES GIVEN ON THE PLANS WITH ACTUAL QUANTITIES SHOWN.
15.	PROVIDE ROOT BARRIERS IN ADDITION TO THOSE INDICATED ON THE PLANS FOR ALL TREES WITHIN 5' OF ANY HARDSCAPE.
16.	NOT INSTALL WATERING BASINS AROUND TREES WHEN PLANTED IN TURF. PROVIDE A CIRCULAR TURF-FREE ZONE TO OUTSIDE EDGE OF ROOTBALL. PLACE ONLY 2-INCHES OF WOOD MULCH IN THIS AREA AND NO CLOSER THAN 4-INCHES FROM TRUNK.
17.	PLANT ALL TREES A MIN. OF 5' FROM ANY UTILITIES. THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCING WORK.
18.	TREES ARE TO BE A MINIMUM OF 5' AWAY FROM ANY HARDSCAPE SUCH AS CURBS, WALKS, ETC.
19.	LANDSCAPE MAINTENANCE PERIOD IS 90 DAYS.
20.	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

TURF AND TRACK PROCUREMENT

1.	THE DISTRICT HAS PROCURED THE SYNTHETIC TURF SURFACING THROUGH A CMAS PROCESS. THE INSTALLATION OF THE TURF SURFACING WILL BE BY THE DISTRICT THROUGH THE CMAS PROCESS. ONLY THE TURF SURFACING (SYNTHETIC CARPET, INFILL MATERIAL AND SHOCKPAD) IS BY THE DISTRICT. PROCUREMENT AND INSTALLATION OF ALL OTHER COMPONENTS OF THE FIELD AND ADJACENT AREAS INCLUDING BUT NOT LIMITED TO THE GRADING, FILTER FABRIC, BASE MATERIAL, DRAINAGE, IMPERMEABLE LINER, CURBING, COMPOSITE MAILER BOARD, GRAVEL, MONUMENTS, FOOTINGS, SLEEVES, ETC. ARE ALL BY THE GENERAL CONTRACTOR AS PART OF THESE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL ACCOMMODATE, COORDINATE AND ALLOW FOR ACCESS AND INSTALLATION OF THE TURF SURFACING BY THE DISTRICT CMAS SURFACING INSTALLER AS NEEDED. SEE SPECIFICATIONS (PROJECT "FRONT ENDS" AND INSTRUCTIONS TO BIDDERS FOR ADDITIONAL INFORMATION.)
2.	THE DISTRICT HAS PROCURED THE SYNTHETIC TRACK SURFACING THROUGH A CMAS PROCESS. THE INSTALLATION OF THE TRACK SURFACING WILL BE BY THE DISTRICT THROUGH THE CMAS PROCESS. ONLY THE TRACK SURFACING (URETHANE AND RUBBER) IS THE BY THE DISTRICT. PROCUREMENT AND INSTALLATION OF ALL OTHER COMPONENTS OF THE TRACK AND ADJACENT AREAS INCLUDING BUT NOT LIMITED TO THE ASPHALT PAVING, GRADING, BASE MATERIAL, DRAINAGE, EMBEDDED ITEMS (SUCH AS THE SAND CATCHERS, HIGH JUMP EMBED, TAKE OFF BOARDS, ETC), TREND DRAIN, ASPHALTIC CONCRETE, UNDERLAYMENT (AC), CURBING, WALLS, GRAVEL, FOOTINGS, SLEEVES, ETC. ARE ALL BY THE GENERAL CONTRACTOR AS PART OF THESE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL ACCOMMODATE, COORDINATE AND ALLOW FOR ACCESS AND INSTALLATION OF THE TRACK SURFACING BY THE DISTRICT CMAS SURFACING INSTALLER AS NEEDED. SEE SPECIFICATIONS (PROJECT "FRONT ENDS" AND INSTRUCTIONS TO BIDDERS FOR ADDITIONAL INFORMATION.)

LAYOUT AND MATERIALS NOTES			LANDSCAPE GRADING AND DRAINAGE NOTES		
1.	THE CONTRACTOR SHALL LAYOUT AND FIELD VERIFY ALL DIMENSIONS OF DRIVEWAY, PLANTERS, WALKS, SLOPES AND RELATED WORK PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE.		1.	REFER TO CIVIL ENGINEER'S GRADING PLANS FOR SITE GRADING, DRAINAGE, AND UTILITY LOCATIONS. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR DIRECTION AS TO HOW TO PROCEED.	
2.	VERIFY LOCATIONS OF ALL PERTINENT EXISTING AND PROPOSED SITE IMPROVEMENTS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTION PRIOR TO COMMENCING WORK.		2.	REFER TO CIVIL ENGINEER'S DRAWINGS FOR SUBDRAINAGE POINT OF IN CONNECTION TO STORM DRAIN.	
3.	WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.		3.	THE CONTRACTOR SHALL REQUEST OBSERVATION AS REQUIRED 48 HOURS ADVANCE OF PERFORMING WORK.	
4.	THIS DRAWING INCLUDES THE LOCATION OF AREA DRAINS FOR REFERENCE. REFER TO RELATED CIVIL ENGINEER'S DRAWINGS FOR CONSTRUCTION DETAILS AND UTILITY CONNECTIONS.		4.	THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA 800/227-2600) IN TURF DIG ALERT (800-422-4133) 48 HOURS PRIOR TO ANY EXCAVATION.	
5.	REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR LIGHT FIXTURE SCHEDULE AND CIRCUITRY AS NECESSARY.		5.	ALL GRADING OPERATIONS SHALL CONFORM TO LOCAL GUIDELINES.	
6.	REFER TO SOIL ENGINEER'S GEOTECHNICAL REPORT FOR SUB-BASE MATERIALS AND COMPACTION.		6.	FIELD VERIFY EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION AND ELEVATION IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION.	
7.	WHERE DIMENSIONS ARE CALLED AS "EQUAL," ALL REFERENCED ITEMS SHALL BE SPACED EQUALLY, MEASURED TO THEIR CENTERLINES.		7.	NO CHANGE IN CONTRACT PRICE WILL BE ALLOWED FOR ACTUAL OR CLAIMED DISCREPANCY BETWEEN EXISTING GRADE AND THOSE SHOWN ON PLANS AFTER CONTRACTOR HAS ACCEPTED EXISTING GRADES AND MOVED ONTO THE SITE.	
8.	ALL MEASUREMENTS ARE TO FACE OF WALL, CURB OR OTHER FIXED SITE IMPROVEMENT, UNLESS OTHERWISE NOTED. DIMENSIONS TO CENTERLINES AS INDICATED.		8.	ALL PROPOSED GRADES ARE TO MEET AND BLEND IN WITH EXISTING GRADING AT PROJECT LIMIT AND EXISTING SIDEWALK. PRECISE ELEVATIONS INDICATED ON PLANS TO BE VERIFIED IN FIELD TO AS-BUILT CONDITION.	
9.	INSTALL ALL INTERSECTING ELEMENTS AT 90 DEGREES TO EACH OTHER UNLESS OTHERWISE NOTED.		9.	THE DEBRIS CREATED BY LANDSCAPE GRADING OPERATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF-SITE.	
10.	ALL DRAINS/ BASINS SHOULD HAVE BLACK ATRIUM TYPE GRATES WITHIN SHRUBS/GROUNDCOVER AREAS AND BLACK FLAT TYPE GRATES IN TURF AREAS.		10.	FINAL LANDSCAPE GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION OF PLANTING.	

LANDSCAPE GRADING AND DRAINAGE NOTES

1.	REFER TO CIVIL ENGINEER'S GRADING PLANS FOR SITE GRADING, DRAINAGE, AND UTILITY LOCATIONS. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR DIRECTION AS TO HOW TO PROCEED.
2.	REFER TO CIVIL ENGINEER'S DRAWINGS FOR SUBDRAINAGE POINT OF IN CONNECTION TO STORM DRAIN.
3.	THE CONTRACTOR SHALL REQUEST OBSERVATION AS REQUIRED 48 HOURS ADVANCE OF PERFORMING WORK.
4.	THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA 800/227-2600) IN TURF DIG ALERT (800-422-4133) 48 HOURS PRIOR TO ANY EXCAVATION.
5.	ALL GRADING OPERATIONS SHALL CONFORM TO LOCAL GUIDELINES.
6.	FIELD VERIFY EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION AND ELEVATION IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION.
7.	NO CHANGE IN CONTRACT PRICE WILL BE ALLOWED FOR ACTUAL OR CLAIMED DISCREPANCY BETWEEN EXISTING GRADE AND THOSE SHOWN ON PLANS AFTER CONTRACTOR HAS ACCEPTED EXISTING GRADES AND MOVED ONTO THE SITE.
8.	ALL PROPOSED GRADES ARE TO MEET AND BLEND IN WITH EXISTING GRADING AT PROJECT LIMIT AND EXISTING SIDEWALK. PRECISE ELEVATIONS INDICATED ON PLANS TO BE VERIFIED IN FIELD TO AS-BUILT CONDITION.
9.	THE DEBRIS CREATED BY LANDSCAPE GRADING OPERATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF-SITE.
10.	FINAL LANDSCAPE GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION OF PLANTING.

GENERAL NOTES			SHEET INDEX		
1.	BASE INFORMATION INCLUDING THE LOCATION OF PROPERTY LINES, EASEMENTS, BUILDINGS, ROADS AND CURBS HAVE BEEN TAKEN FROM THE CIVIL ENGINEER'S DRAWINGS. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFORMATION.		L0.01 LANDSCAPE NOTES AND SCHEDULES		
2.	REFER TO THE CIVIL ENGINEER'S DRAWINGS FOR PROPOSED UTILITY INFORMATION INCLUDING STORM DRAIN, SEWER, WATER, ELECTRICAL, GAS, TELEPHONE AND CABLE TV.		L0.02 OVERALL SITE PLAN		
3.	REFER TO CITY AND/OR COUNTY STANDARD PLANS AND SPECIFICATIONS WHERE APPLICABLE.		L1.01 MATERIALS & PLANT		
4.	VERIFY SITE INFORMATION, INCLUDING PROPERTY LINES, EXISTING ABOVE GROUND AND BELOW GROUND UTILITIES AND STRUCTURES, AND OTHER INFORMATION AFFECTING THE SCOPE OF WORK INCLUDED ON THESE DRAWINGS. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE AND THE LANDSCAPE ARCHITECT FOR DIRECTION ON HOW TO PROCEED.		L1.02 MATERIALS & PLANT		
5.	EXCAVATION IN THE VICINITY OF UTILITIES AND EXISTING MATERIALS SHALL BE UNDERTAKEN WITH CARE. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK. ANY DAMAGE CAUSED BY ANY PERSON, VEHICLE, EQUIPMENT, OR TOOL, RELATED TO THE EXECUTION OF THE CONTRACT SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.		L2.01 LAYOUT PLAN		
6.	CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION REQUIRED TO ACCOMPLISH ALL CONSTRUCTION OPERATIONS. ALL PIPING, CONDUIT, SLEEVES, ETC., SHALL BE SET IN PLACE PRIOR TO INSTALLATION OF CONSTRUCTION ITEMS.		L2.02 LAYOUT PLAN		
7.	CONTRACTOR SHALL BE RESPONSIBLE TO CONSULT WITH SITE SUPERINTENDENT, APPROPRIATE AGENCIES AND PLANS, FOR THE LOCATIONS OF ALL UNDER-GROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF S&D UTILITIES.		L3.01 MATERIALS AND LAYOUT ENLARGEMENT PLAN		
8.	CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS, AREA DISCREPANCIES AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATIONS.		L4.01 SECTIONS AND ELEVATIONS		
9.	CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING MATERIALS THAT ARE DAMAGED DURING CONSTRUCTION.		L4.02 SECTIONS AND ELEVATIONS		
10.	PRIOR TO INSTALLATION OF ANY CONSTRUCTION ITEM, FORMS WITH STEEL IN PLACE AND COMPACTED SUBGRADE COMPLETE, SHALL BE OBSERVED AND REVIEWED BY THE LANDSCAPE ARCHITECT.		L4.03 SECTIONS AND ELEVATIONS		
11.	ALL WALLS AND WALKS SHOULD HAVE SMOOTH, CONTINUOUS CURVES AS INDICATED ON PLANS.		L4.04 SECTIONS AND ELEVATIONS		
12.	ALL PROPERTY LINES, LOT LINES, AND TOP OF SLOPE LINES SHALL BE VERIFIED PRIOR TO COMMENCING WORK.		L4.05 SECTIONS AND ELEVATIONS		
13.	ALL ELECTRICAL JUNCTION BOXES FOR LIGHTS SHALL BE IN PLANTING AREAS AND LOCATION REVIEWED BY THE LANDSCAPE ARCHITECT. STAKE LOCATION PRIOR TO INSTALLATION.		L5.01 CONSTRUCTION DETAILS		
14.	SEE CIVIL ENGINEER'S DRAWINGS FOR CURBS AND A/C PAVING.		L5.02 CONSTRUCTION DETAILS		
15.	REFER TO CIVIL ENGINEER'S DRAWINGS FOR ELEVATIONS AND LOCATION OF DRAINAGE STRUCTURES PRIOR TO INSTALLATION OF WALKS, FOOTINGS AND OTHER STRUCTURES.		L5.03 CONSTRUCTION DETAILS		
16.	REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION. IF NOTES ON THE PLANS DIFFER FROM THE GEOTECHNICAL REPORT, PROVIDE THE MOST STRINGENT REQUIREMENT.		L5.04 CONSTRUCTION DETAILS		
17.	RAISE ALL VAULTS/UTILITIES BOXES TO GRADE WITHIN LIMITS OF WORK. FIELD VERIFY PRIOR TO BID.		L5.05 CONSTRUCTION DETAILS		
			L5.06 CONSTRUCTION DETAILS		
			L6.01 IRRIGATION PLAN		
			L6.02 IRRIGATION PLAN		
			L6.03 IRRIGATION LEGEND AND NOTES		
			L6.04 IRRIGATION DETAILS		
			L6.05 IRRIGATION DETAILS		
			L7.01 PLANTING PLAN		
			L7.02 PLANTING PLAN		
			L7.03 PLANTING DETAILS		

LANDSCAPE SCOPE OF WORK

- RECONSTRUCTION OF SYNTHETIC TRACK AND FIELD
- NEW TRACK AND FIELD PERIMETER CHAIN LINK FENCING
- HARDSCAPE
- RESURFACING OF EXISTING CONCRETE BLEACHERS
- WIDENING OF ACCESS AISLE AND ADDITION OF ADA SEATING IN EXISTING CONCRETE BLEACHERS
- NEW ACCESSIBLE CONCRETE RAMPS, STAIRS, AND ASSOCIATED RETAINING WALLS

SPORTS EQUIPMENT LEGEND

SYM.	DESC.	MANUF.	MODEL #	COLOR	FINISH/PTRN.	DET.	QTY.	
	RUBBERIZED TRACK SURFACING	BEYNON	BSS 300	GRAY WITH GOLD EXCHANGE ZONES	CMAS BY OWNER	04/ L5.05	PER PLAN	
	SYNTHETIC TURF SURFACING	FIELDTURF	VERTEX CORE 2.25 INCH PILE HT / CORN INFILL W/ SHOCK BASE PRO	GREEN	CMAS BY OWNER	01/ L5.05	PER PLAN	
	POLE VAULT BOX	SPORTSFIELD SPECIALTIES	PVBCAW	WHITE	ALUMINUM	13/ L5.06	1	
	POLE VAULT BOX COVER	SPORTSFIELD SPECIALTIES	PVBCPCA	GRAY TRACK	ALUMINUM	13/ L5.06	1	
	POLE VAULT STANDARDS CIP	SPORTSFIELD SPECIALTIES	PVFSFS	NATURAL GRAY	MEDIUM BROOM	10/ L5.06	1	
	POLE VAULT LANDING SYSTEM PROVIDE STANDARD PADS, COLLAR PAD, DRAINAGE MAT, & PAD COVER	SPORTSFIELD SPECIALTIES	PV2021HDZ PVPBANG PVPBSC	GOLD	GRAPHICS TBD BY DISTRICT	PER MANUF.	1	
	LONG JUMP / TRIPLE JUMP TAKE OFF BOARD	SPORTSFIELD SPECIALTIES	LTJ07B12	GRAY SYNTHETIC TRACK	POLYBOARD	07/ L5.06	2	
	LONG JUMP / TRIPLE JUMP SAND CATCHERS	SPORTSFIELD SPECIALTIES	SPSCSH JUMPFORM	GRAY SYNTHETIC TRACK	ALUMINUM	05/ L5.06	2	
	LONG JUMP / TRIPLE JUMP PIT COVERS	SPORTSFIELD SPECIALTIES	SPHSCVR	GRAY SYNTHETIC TRACK	ALUMINUM	05/ L5.06	2	
	FOOTBALL GOAL POST W/ WIND FLAGS & SAFETY CLAMP SYSTEM	SPORTSFIELD SPECIALTIES	POST- GP830HSR PAD, GPPRDO ACCESS KIT- GPAFITR30HD GRAPHIC- TBD	POST- YELLOW PAD- GRAY	ALUMINUM	17/ L5.07 DSA PC #4 04-122813	2	
	SOCCER GOAL	SPORTSFIELD SPECIALTIES	S0324S S0320CC SGWKL5	WHITE	ALUMINUM	PER MANUF.	2	
	DISCUS THROW PAD	SPORTSFIELD SPECIALTIES	RING- TFD FORM- TRDAA	NATURAL GRAY	MED BROOM FINISH	03/ L5.08	1	
	DISCUS THROW CAGE	SPORTSFIELD SPECIALTIES	DCHSTEA	GRAY TRACK	STAINLESS STEEL	01/ L5.08	1	
	QCV BOX @ TRACK SURFACING	SPORTSFIELD SPECIALTIES	TCTSQCV	GRAY TRACK	STAINLESS STEEL	19/ L5.05	3	
	QCV BOX @ SYNTHETIC TURF SURFACING	SPORTSFIELD SPECIALTIES	TCTQCV	SYNTHETIC TURF LID	STAINLESS STEEL	07/ L5.05	8	
	COM BOX @ SYNTHETIC TURF SURFACING	SPORTSFIELD SPECIALTIES	CBTS1830	SYNTHETIC TURF LID	STAINLESS STEEL	06.08/ L5.05	6	
	UTILITY BOX @ TRACK SURFACING	SPORTSFIELD SPECIALTIES	CBIT1815	GRAY TRACK	STAINLESS STEEL	20/ L5.05	2	
	HIGH JUMP	SPORTSFIELD SPECIALTIES	HJSD008 HJX HJSBP	HJ1810DZ HJ1810AWC HUDG	GOLD AND GRAY	VINYL	PER MANUF.	1 EA
	TRACK WALK OFF MATS	SPORTSFIELD SPECIALTIES	TCM1540	BLACK	VINYL	PER MANUF.	2	
	TRANSPORT CART	SPORTSFIELD SPECIALTIES	MC612	ALUMINUM	STAINLESS STEEL	PER MANUF.	2	
	COMPANION SEAT	SALSBURY INDUSTRIES	48" WIDE ALUMINUM ADA LOCKER BENCH WITH BACK SUPPORT MODEL # 77772-ADAB	STANDARD	ALUMINUM	PER MANUF.	26	
	RADIUSED TRACK SLOT DRAIN	ACO	ACO 3000 RADIUSED	GRAY TRACK	POLYMER CONCRETE	15/ L5.05	AS SHOWN	

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
01	CONCRETE PAVING	01/ 15.01	NATURAL GRAY/ MEDIUM BROOM
02	CONCRETE MOW BAND	09/ 15.01	NATURAL GRAY/ SMOOTH TROWEL
03	CONCRETE BAND @ TRACK SURFACING	14/ 15.05	NATURAL GRAY/ SMOOTH TROWEL
04	CONCRETE BAND @ FENCING	10/ 15.02	NATURAL GRAY/ SMOOTH TROWEL
05	CONCRETE RETAINING WALL W/ FENCING	03/ 15.02	NATURAL GRAY/ AS-CAST SIDES, SMOOTH TROWEL
06	CONCRETE RETAINING WALL	01/ 15.02	NATURAL GRAY/ AS-CAST SIDES, SMOOTH TROWEL
07	CONCRETE RAMP	09/ 15.03	NATURAL GRAY/ MEDIUM BROOM
08	CONCRETE STAIR	01/ 15.03	NATURAL GRAY/ MEDIUM BROOM
09	GUARDRAIL	14/ 15.04	GALVANIZED
10	GATE IN GUARDRAIL	09/ 15.04	GALVANIZED
11	HANDRAIL @ RAMP	09/ 15.03	GALVANIZED
12	HANDRAIL @ STAIR	03/ 15.03	GALVANIZED
13	HANDRAIL @ (E)BLEACHER STAIRS	18/ 15.03	GALVANIZED
14	CHAINLINK FENCE	01/ 15.04	BLACK/ VINYL COATED
15	CHAINLINK SINGLE SWING GATE	03/ 15.04	BLACK/ VINYL COATED
16	CHAINLINK VEHICULAR GATE	02/ 15.04	BLACK/ VINYL COATED
17	CHAINLINK DOUBLE SWING GATE	12/ 15.04	BLACK/ VINYL COATED
18	RETAINING WALL W/ GUARDRAIL @ EXISTING BLEACHERS	12/ 15.02	NATURAL GRAY/ AS-CAST SIDES, SMOOTH TROWEL
19	PERFORATED PANEL WITH LETTER	15/ 15.07	FRAME: BLACK LETTER: YELLOW
20	FREESTANDING CONCRETE SEATWALL	19/ 15.09	NATURAL GRAY/ AS-CAST SIDES, SMOOTH TROWEL
21	CONCRETE STEPMALL	21/ 15.02	NATURAL GRAY/ SMOOTH TROWEL
22	EXISTING BLEACHER STAIR EXTENSION	20/ 15.02	NATURAL GRAY/ MEDIUM BROOM
23	RELOCATE EXISTING MONUMENT	13/ 15.01	
24	RELOCATE EXISTING PLAQUE	14/ 15.02	
25	SOLID METAL EXTERIOR RATED DOOR	11/ 15.06	DOOR REPLACEMENT @ EXISTING UTILITY ENCLOSURE
26	SITE LIGHTING		SEE SITE SYMBOL LEGEND FOR LIGHTING DETAILS
27	GATE IN GUARDRAIL 180 SWING	18/ 15.01	GALVANIZED
28	CHAINLINK DOUBLE SWING VEHICULAR GATE	04/ 15.06	BLACK/ VINYL COATED

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
A01	RUBBERIZED TRACK SURFACING	04/ 05	REFER TO SPORTS EQUIPMENT LEGEND L.0.01
A02	SYNTHETIC TURF SURFACING	01/ 01	REFER TO SPORTS EQUIPMENT LEGEND L.0.01
A03	POLE VAULT LAYOUT	09/ 01	REFER TO SPORTS EQUIPMENT LEGEND L.0.01
A04	LONG JUMP / TRIPLE JUMP LAYOUT	01/ 01	REFER TO SPORTS EQUIPMENT LEGEND L.0.01
A05	FOOTBALL GOAL POST DSA PC A8 04-122813	15/ 07	REFER TO SPORTS EQUIPMENT LEGEND L.0.01
A06	SOCCER FIELD STRIPING - GOAL	04/ 05	REFER TO SPORTS EQUIPMENT LEGEND L.0.01
A07	CONCRETE CURB @ D-ZONE	03/ 01	
A08	DISCUS LAYOUT (SEE SFS SHEETS)	01/ 01	REFER TO SPORTS EQUIPMENT LEGEND L.0.01
A09	UTL BOX @ TRACK SURFACING	20/ 08	REFER TO SPORTS EQUIPMENT LEGEND L.0.01
A10	QCV BOX @ TRACK SURFACING	19/ 05	REFER TO SPORTS EQUIPMENT LEGEND L.0.01
A11	QCV BOX @ SYNTHETIC TURF SURFACING	07/ 01	REFER TO SPORTS EQUIPMENT LEGEND L.0.01
A12	CON BOX @ SYNTHETIC TURF SURFACING	06/08 15/05	REFER TO SPORTS EQUIPMENT LEGEND L.0.01
A13	TRACK SLOIT DRAIN	15/ 05	REFER TO SPORTS EQUIPMENT LEGEND L.0.01
A14	TRACK SLOIT DRAIN CATCH BASIN	16/ 05	
A15	TRACK AND FIELD STRIPING AND LOGOS	15/ 07	

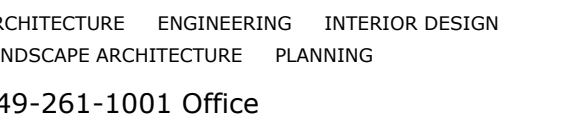
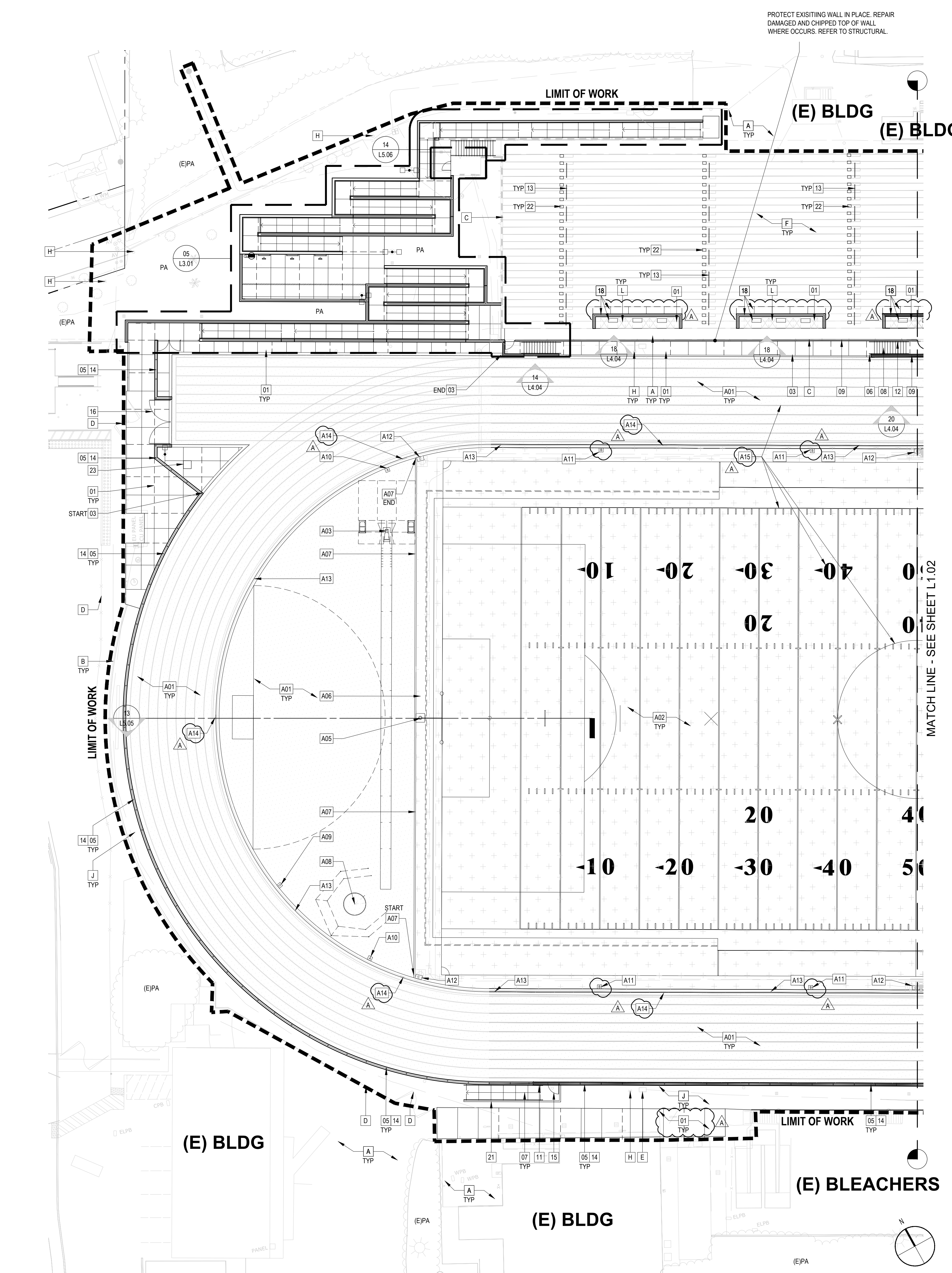
NOTE	DESCRIPTION	DETI/SHI	COMMENTS
A	EXISTING PAVING		PROTECT IN PLACE
B	EXISTING CURB		PROTECT IN PLACE
C	EXISTING WALL		PROTECT IN PLACE
D	EXISTING FENCE + GATE		PROTECT IN PLACE
E	EXISTING UTILITY		PROTECT IN PLACE
F	EXISTING CONCRETE BLEACHER		PROTECT IN PLACE
G	EXISTING UTILITY ENCLOSURE		PROTECT IN PLACE
H	EXISTING LIGHTING		PROTECT IN PLACE
J	A.C. PAVING		PER CIVIL
K	CONCRETE CURB		PER CIVIL
L	ACCESSIBLE SEATING AREA		PER CBC 11B-802

ACCESSIBLE SEAT (W/FOUR)				
SITE SYMBOLS LEGEND				
SYM.	DESCRIPTION	SYM.	DESCRIPTION	DET.
	FIRE HYDRANT - PER CIVIL		SAWCUT JOINT	02/ L5.01
	CATCH BASIN - PER CIVIL		EXPANSION JOINT	02/ L5.01
	CLEAN OUT - PER CIVIL		LIMIT OF WORK	
	MAN HOLE - PER CIVIL		LIGHT POLE	01, 02, 11, 15 E7.02 L5.02
	DIRECTION OF RAMP; DOWN SLOPE		ALIGN	
	EXISTING TREE PROTECT IN PLACE		EXISTING PLANTING AREA	
	PLANTING AREA		INGRADE UPLIGHT	

NOTE: UTILITIES SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL AND ELEC DWGS FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE REVIEWED BY LANDSCAPE ARCHITECT.

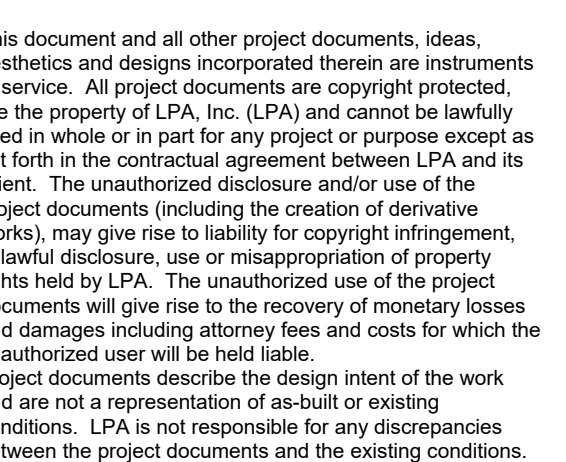
KEYMAP

NOTE: UTILITIES SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL AND ELEC DWGS FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE REVIEWED BY LANDSCAPE ARCHITECT.



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VENTURA HIGH SCHOOL TRACK AND FIELD REPLACEMENT AND BLEACHER UPGRADES

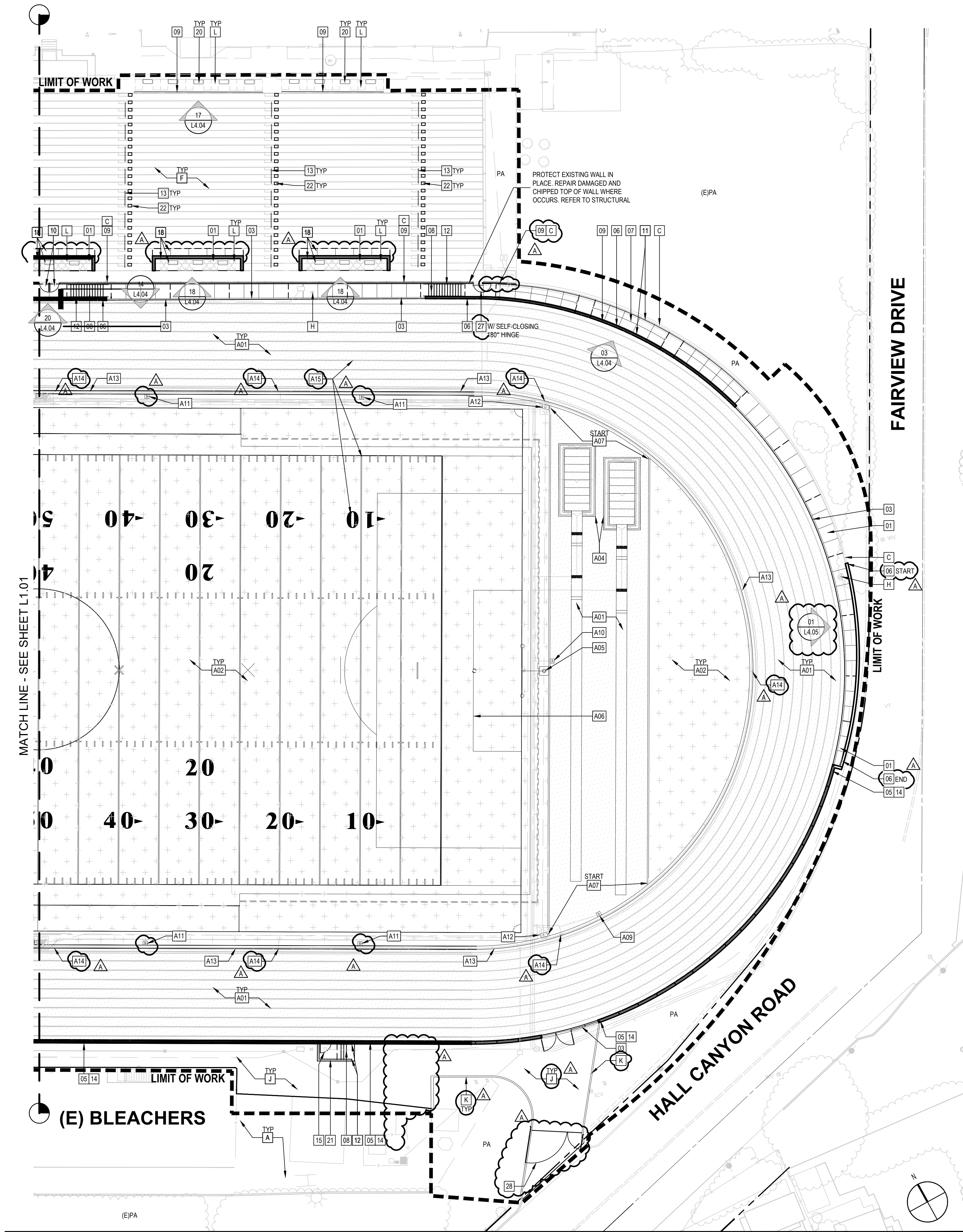
22 NORTH CATALINA STREET
VENTURA, CA 93001

Developed for
VENTURA UNIFIED SCHOOL DISTRICT

[illegible]

Submittal	Date
100% SCHEMATIC DESIGN	12/10/2024
100% DESIGN DEVELOPMENT	04/11/2025
50% CONSTRUCTION DOCS	07/24/2025
100% CONSTRUCTION DOCS	09/01/2025
DSA BACKCHECK	11/03/2025
DSA BACKCHECK	03/10/2026
DSA BACKCHECK	07/01/2026

Job Number	32321
Checked By	AW,MM
Scale	1" = 20'-0"



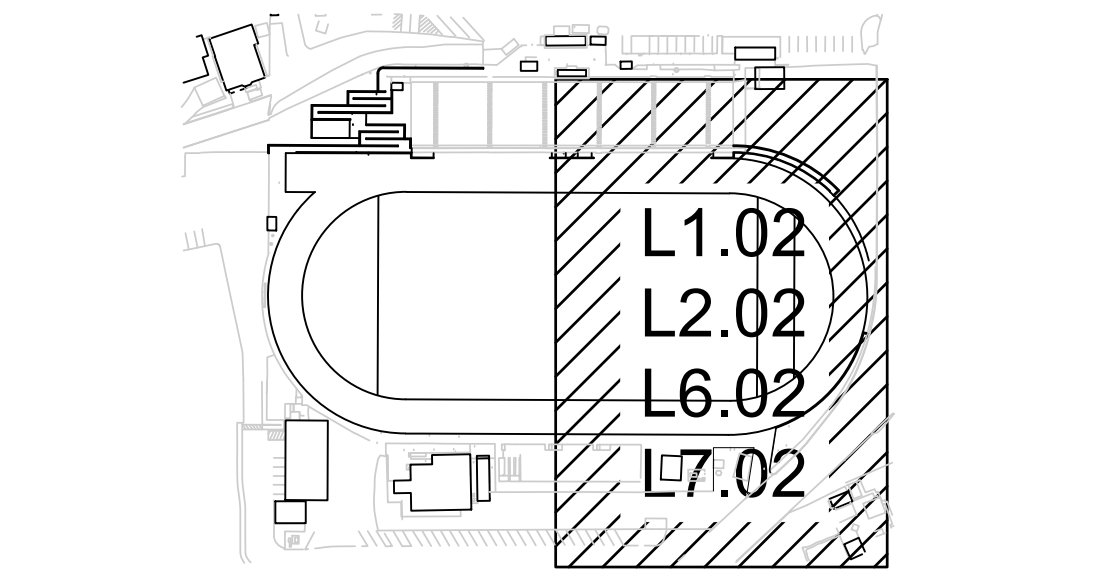
MATERIALS KEYNOTES			
NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
01	CONCRETE PAVING	01/ L5.01	NATURAL GRAY/ MEDIUM BROOM
02	CONCRETE MOW BAND	06/ L5.01	NATURAL GRAY/ SMOOTH TROWEL
03	CONCRETE BAND @ TRACK SURFACING	14/ L5.05	NATURAL GRAY/ SMOOTH TROWEL
04	CONCRETE BAND @ FENCING	10/ L5.02	NATURAL GRAY/ SMOOTH TROWEL
05	CONCRETE RETAINING WALL W/ FENCING	03/ L5.02	NATURAL GRAY/ AS-CAST SIDES, SMOOTH TOP
06	CONCRETE RETAINING WALL	01+02/ L5.02	NATURAL GRAY/ AS-CAST SIDES, SMOOTH TOP
07	CONCRETE RAMP	09/ L5.03	NATURAL GRAY/ MEDIUM BROOM
08	CONCRETE STAIR	01/ L5.03	NATURAL GRAY/ MEDIUM BROOM
09	GUARDRAIL	14/ L5.04	GALVANIZED
10	GATE IN GUARDRAIL	09/ L5.04	GALVANIZED
11	HANDRAIL @ RAMP	09/ L5.03	GALVANIZED
12	HANDRAIL @ STAIR	03/ L5.03	GALVANIZED
13	HANDRAIL @ (E)BLEACHER STAIRS	18/ L5.03	GALVANIZED
14	CHAINLINK FENCE	01/ L5.04	BLACK/ VINYL COATED
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20	FREESTANDING CONCRETE SEATWALL	19/ L5.02	NATURAL GRAY/ SMOOTH TROWEL
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25	SOLID METAL EXTERIOR RATED DOOR	11/ L5.06	DOOR REPLACEMENT @ EXISTING UTILITY ENCLOSURE
26	SITE LIGHTING		SEE SITE SYMBOL LEGEND FOR LIGHTING DETAILS
27	GATE IN GUARDRAIL 180 SWING	18/ L5.01	GALVANIZED
28	CHAINLINK DOUBLE SWING VEHICULAR GATE	04/ L5.06	BLACK/ VINYL COATED

ATHLETIC KEYNOTES			
NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
A01	RUBBERIZED TRACK SURFACING	04/ L5.05	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A02	SYNTHETIC TURF SURFACING	01/ L5.05	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A03	POLE VAULT LAYOUT	09/ L5.06	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A04	LONG JUMP / TRIPLE JUMP LAYOUT	01/ L5.06	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A05	FOOTBALL GOAL POST DSA PC #04-122813	17/ L5.07	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A06	SOCCER FIELD STRIPING + GOAL	04/ L5.07	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A07	CONCRETE CURB @ D-ZONE	03/ L5.05	
A08	DISCUS LAYOUT (SEE SFS SHEETS)	01/ L5.08	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A09	UTIL BOX @ TRACK SURFACING	20/ L5.05	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A10	QCV BOX @ TRACK SURFACING	19/ L5.05	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A11	QCV BOX @ SYNTHETIC TURF SURFACING	07/ L5.05	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A12	COM BOX @ SYNTHETIC TURF SURFACING	06,08/ L5.05	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A13	TRACK SLOT DRAIN	15/ L5.05	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A14	TRACK SLOT DRAIN CATCH BASIN	01/ L5.05	
A15	TRACK AND FIELD STRIPING AND LOGOS	01/ L5.07	

REFERENCE KEYNOTES			
NOTE	DESCRIPTION	DET/ SHT	COMMENTS
A	EXISTING PAVING		PROTECT IN PLACE
B	EXISTING CURB		PROTECT IN PLACE
C	EXISTING WALL		PROTECT IN PLACE
D	EXISTING FENCE + GATE		PROTECT IN PLACE
E	EXISTING UTILITY		PROTECT IN PLACE
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H	EXISTING LIGHTING		PROTECT IN PLACE
J	A.C. PAVING		PER CIVIL
K	CONCRETE CURB		PER CIVIL
L	ACCESSIBLE SEATING AREA		PER CBC 11B-802

SITE SYMBOLS LEGEND			
SYM.	DESCRIPTION	SYM.	DESCRIPTION DET.
	FIRE HYDRANT - PER CIVIL		SAWCUT JOINT 02/ L5.01
	CATCH BASIN - PER CIVIL		EXPANSION JOINT 02/ L5.01
	CLEAN OUT - PER CIVIL		LIMIT OF WORK
	MAN HOLE - PER CIVIL		LIGHT POLE 01, 02/ 11, 15/ E7.02 L5.02
	DIRECTION OF RAMP: DOWN SLOPE		ALIGN
	EXISTING TREE: PROTECT IN PLACE		(E)PA EXISTING PLANTING AREA
	PA PLANTING AREA		INGRADE UPLIGHT

KEYMAP			
NOTE: UTILITIES SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL AND ELEC DWGS FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE REVIEWED BY LANDSCAPE ARCHITECT.			
SYM.	DESCRIPTION	SYM.	DESCRIPTION DET.
	FIRE HYDRANT - PER CIVIL		SAWCUT JOINT 02/ L5.01
	CATCH BASIN - PER CIVIL		EXPANSION JOINT 02/ L5.01
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	MAN HOLE - PER CIVIL		LIGHT POLE 01, 02/ 11, 15/ E7.02 L5.02
	DIRECTION OF RAMP: DOWN SLOPE		ALIGN
	EXISTING TREE: PROTECT IN PLACE		(E)PA EXISTING PLANTING AREA
	PA PLANTING AREA		INGRADE UPLIGHT



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**VENTURA HIGH SCHOOL
TRACK AND FIELD REPLACEMENT
AND BLEACHER UPGRADES**

2 NORTH CATALINA STREET
VENTURA, CA 93001

Developed for
VENTURA UNIFIED SCHOOL DISTRICT

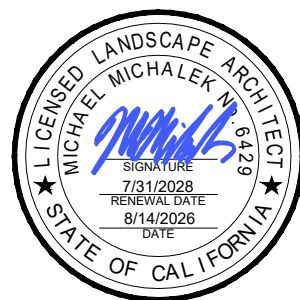
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Date	100% CONSTRUCTION DOCUMENTS	08/01/2025	Date		
	DSA BACKCHECK	11/03/2025			
Scale	DSA BACKCHECK	03/10/2026	Scale		
	DSA BACKCHECK	07/01/2026			
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VENTURA HIGH SCHOOL
TRACK AND FIELD REPLACEMENT
AND BLEACHER UPGRADES

2 NORTH CATALINA STREET
VENTURA, CA 93001

Developed for
VENTURA UNIFIED SCHOOL DISTRICT

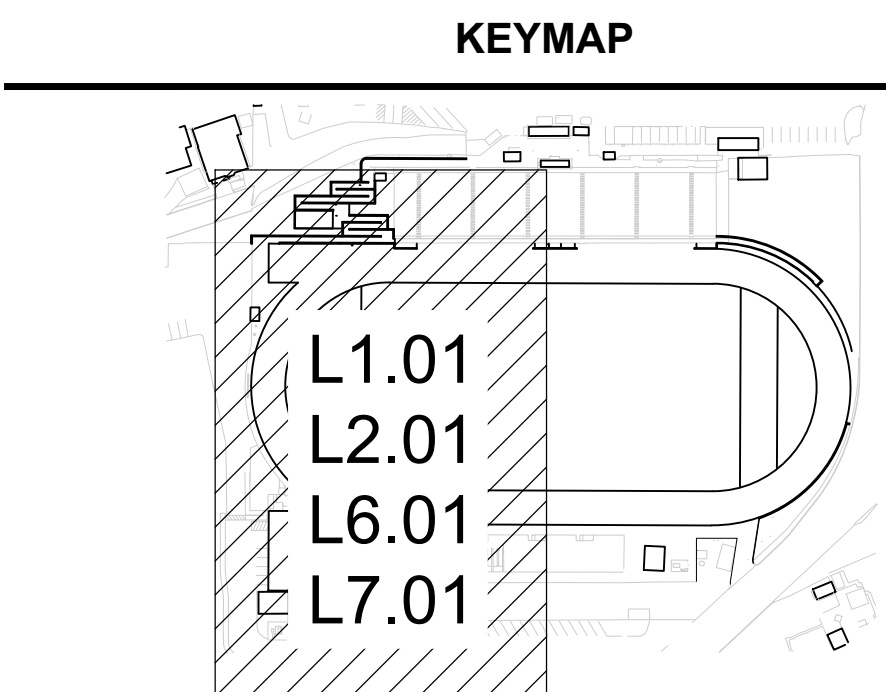
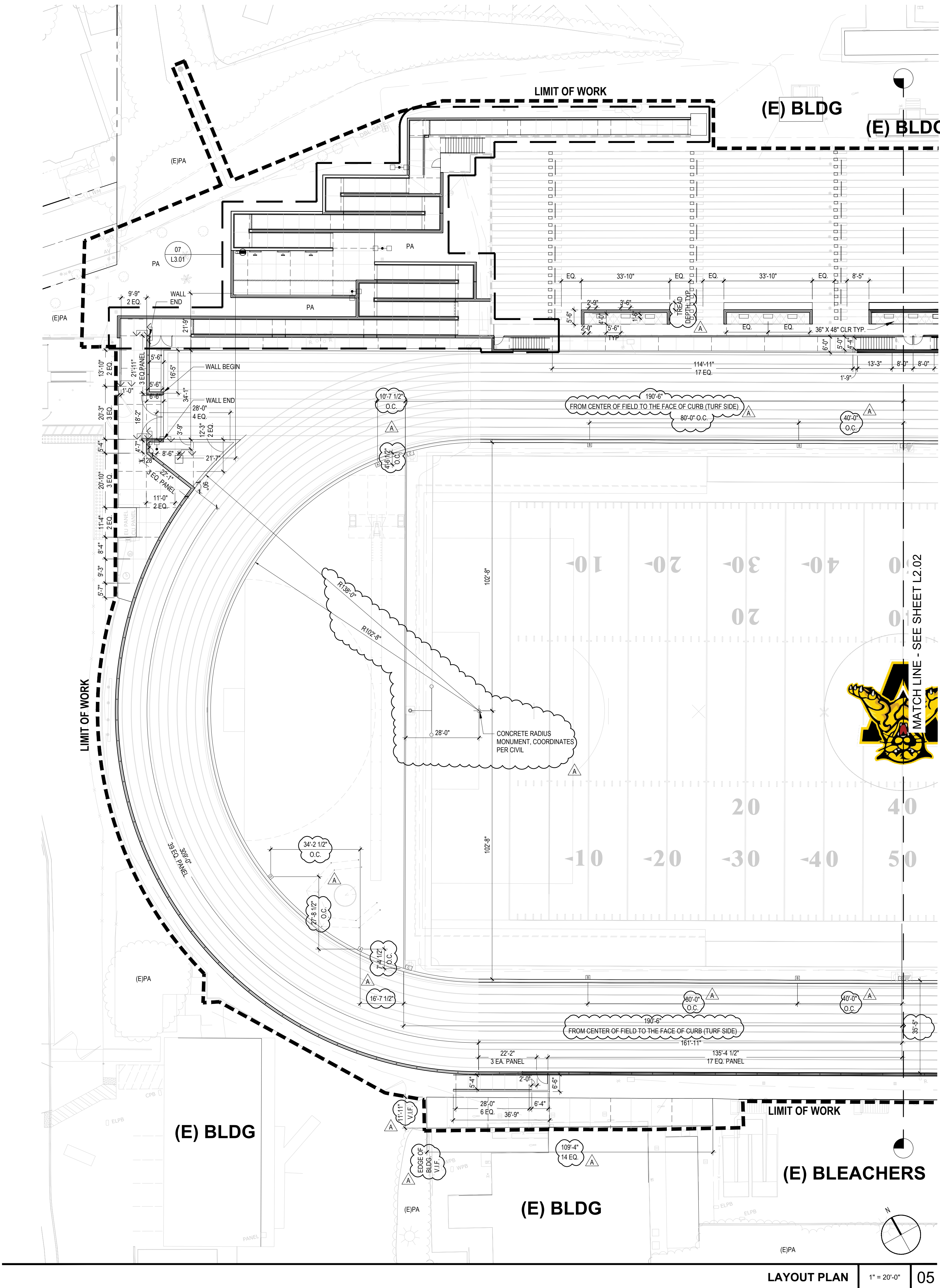
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A. ADDENDUM A	08/14/2026

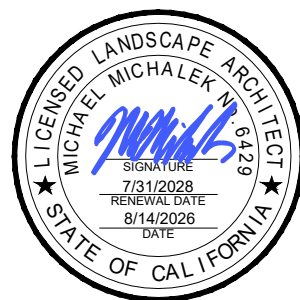
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100% SCHEMATIC DESIGN	12/10/2024
50% CONSTRUCTION DOCUMENTS	07/24/2025
100% CONSTRUCTION DOCUMENTS	07/24/2025
DSA BACKCHECK	08/01/2025
DSA BACKCHECK	11/03/2025
DSA BACKCHECK	03/10/2026
DSA BACKCHECK	07/01/2026

Job Number	32321
Checked By	AW/MM
Scale	1" = 20'-0"

LAYOUT PLAN

L2.01





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VENTURA HIGH SCHOOL
TRACK AND FIELD REPLACEMENT
AND BLEACHER UPGRADES2 NORTH CATALINA STREET
VENTURA, CA 93001Developed for
VENTURA UNIFIED SCHOOL DISTRICTRevision
A ADDENDUM ADate
08/14/2026Submital
100% SCHEMATIC DESIGN
50% CONSTRUCTION DOCUMENTS
100% CONSTRUCTION DOCUMENTS
DSA BACKCHECK
DSA BACKCHECK
DSA BACKCHECKDate
12/10/2024
07/24/2025
08/01/2025
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03/10/2026
07/01/2026

Job Number

32321

Checked By

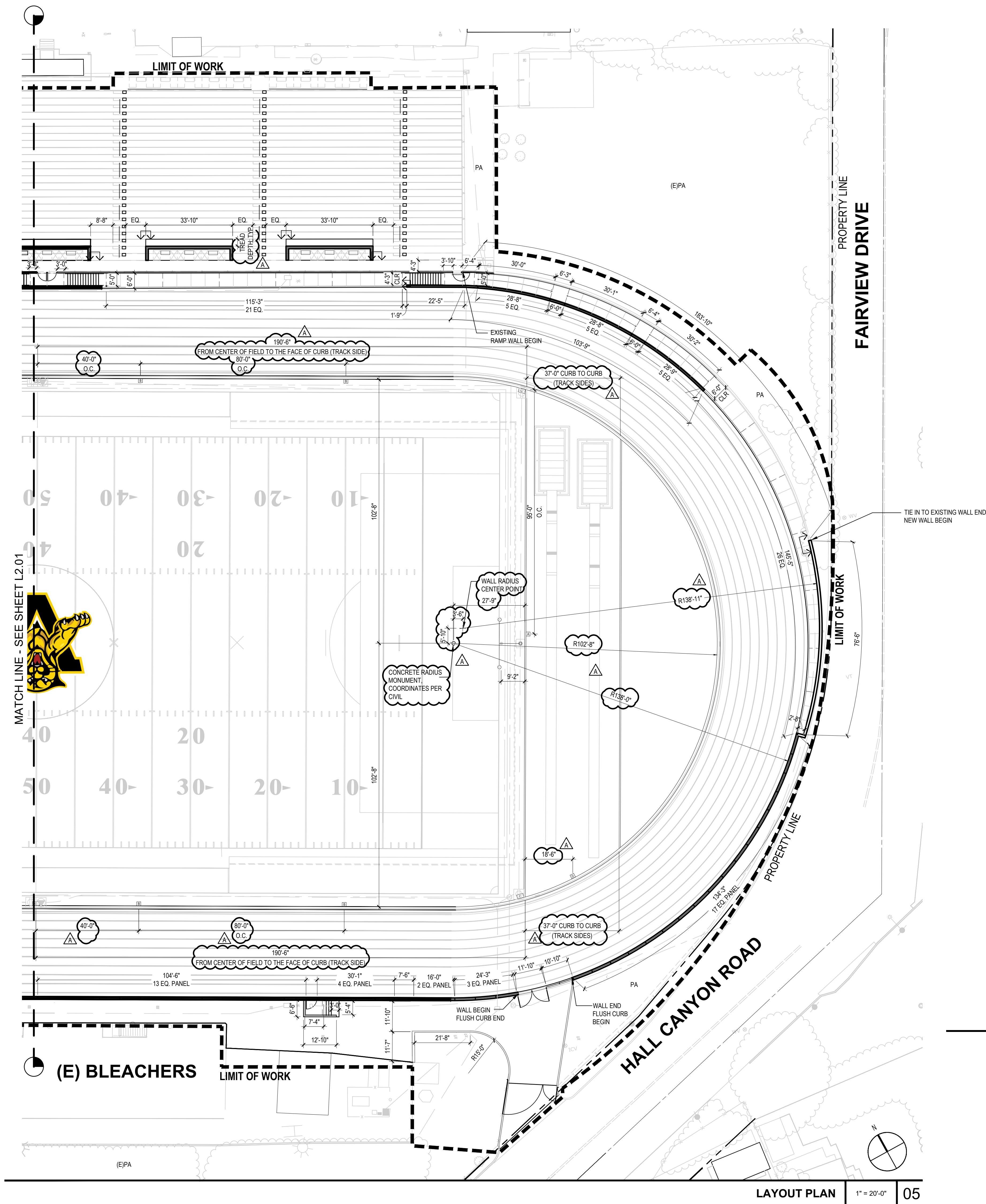
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Scale

1" = 20'-0"

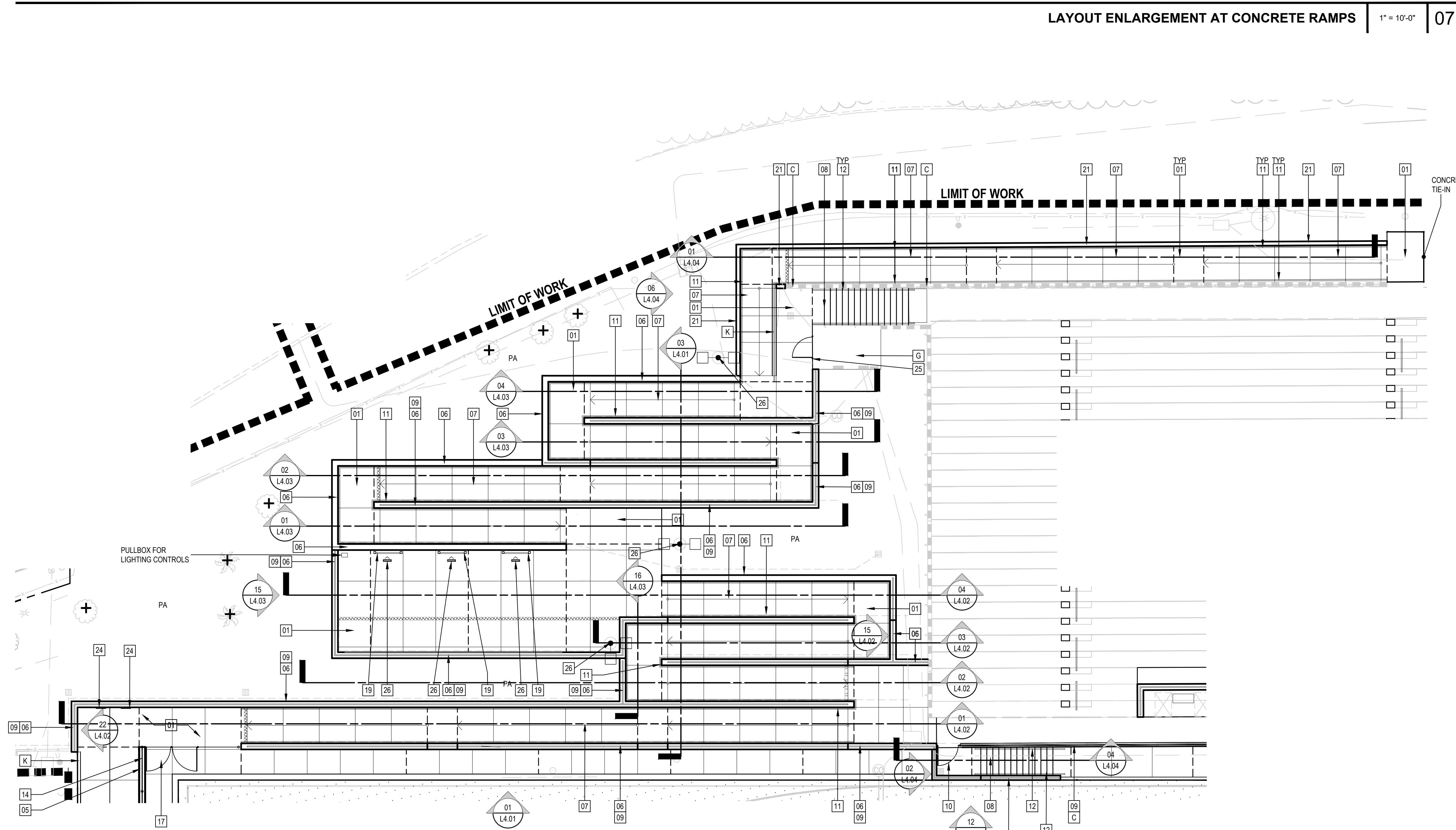
LAYOUT PLAN

L2.02



LAYOUT PLAN

1" = 20'-0" 05



05

A14

TRUCK SLOT DRAIN/CATCH BASIN

L5.05

A15

TRACK AND FIELD STRIPING AND LOGOS

D1/
L5.07

REFERENCE KEYNOTES

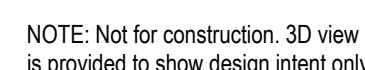
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A	EXISTING PAVING		PROTECT IN PLACE
B	EXISTING CURB		PROTECT IN PLACE
C	EXISTING WALL		PROTECT IN PLACE
D	EXISTING FENCE + GATE		PROTECT IN PLACE
E	EXISTING UTILITY		PROTECT IN PLACE
F	EXISTING CONCRETE BLEACHER		PROTECT IN PLACE
G	EXISTING UTILITY ENCLOSURE		PROTECT IN PLACE
H	EXISTING LIGHTING		PROTECT IN PLACE
J	A.C. PAVING		PER CIVIL
K	CONCRETE CURB		PER CIVIL
L	ACCESSIBLE SEATING AREA		PER CBC 11B-802

SITE SYMBOLS LEGEND

SYM.	DESCRIPTION	SYM.	DESCRIPTION	DET.
	FIRE HYDRANT - PER CIVIL		SAWCUT JOINT	02/ L5.01
	CATCH BASIN - PER CIVIL		EXPANSION JOINT	02/ L5.01
	CLEAN OUT - PER CIVIL		LIMIT OF WORK	
	MAN HOLE - PER CIVIL		LIGHT POLE	01, 02/ 11, 15 E7.02 L5.02
	DIRECTION OF RAMP: DOWN SLOPE		ALIGN	
	EXISTING TREE PROTECT IN PLACE		EXISTING PLANTING AREA	
PA	PLANTING AREA		INGRADE UPLIFT	

NOTE: UTILITIES SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL AND ELEC DWGS FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE DETERMINED BY LANDSCAPE ARCHITECT.

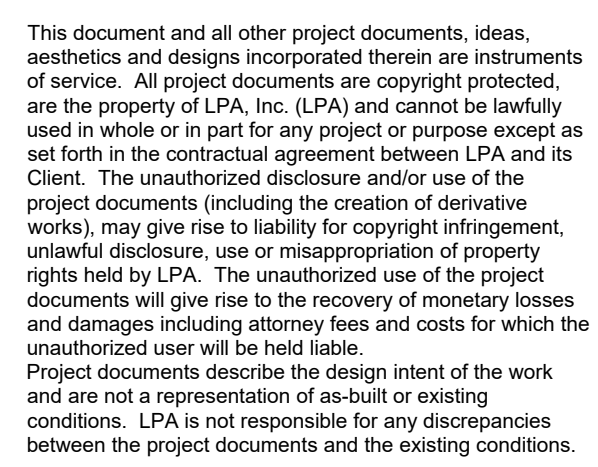
© IFA Inc.



CONCRETE RAMP / COUGAR'S LANDING SECTION	1/4" = 1'-0"	03
--	--------------	----



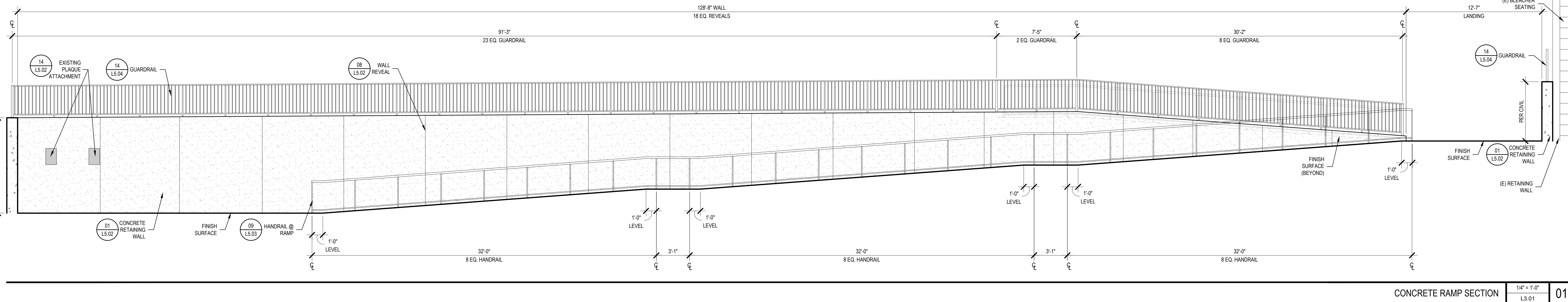
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Checked By	AW,MM
Scale	



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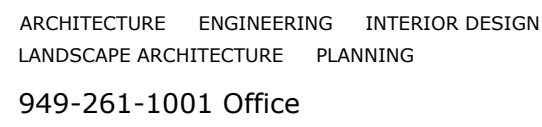
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50% CONSTRUCTION DOCS	07/24/2025
50% CONSTRUCTION DOCS	09/01/2025
DSA BACKCHECK	11/03/2025
DSA BACKCHECK	03/10/2026
DSA BACKCHECK	07/01/2026

SECTIONS AND ELEVATIONS





SECTIONS AND ELEVATIONS



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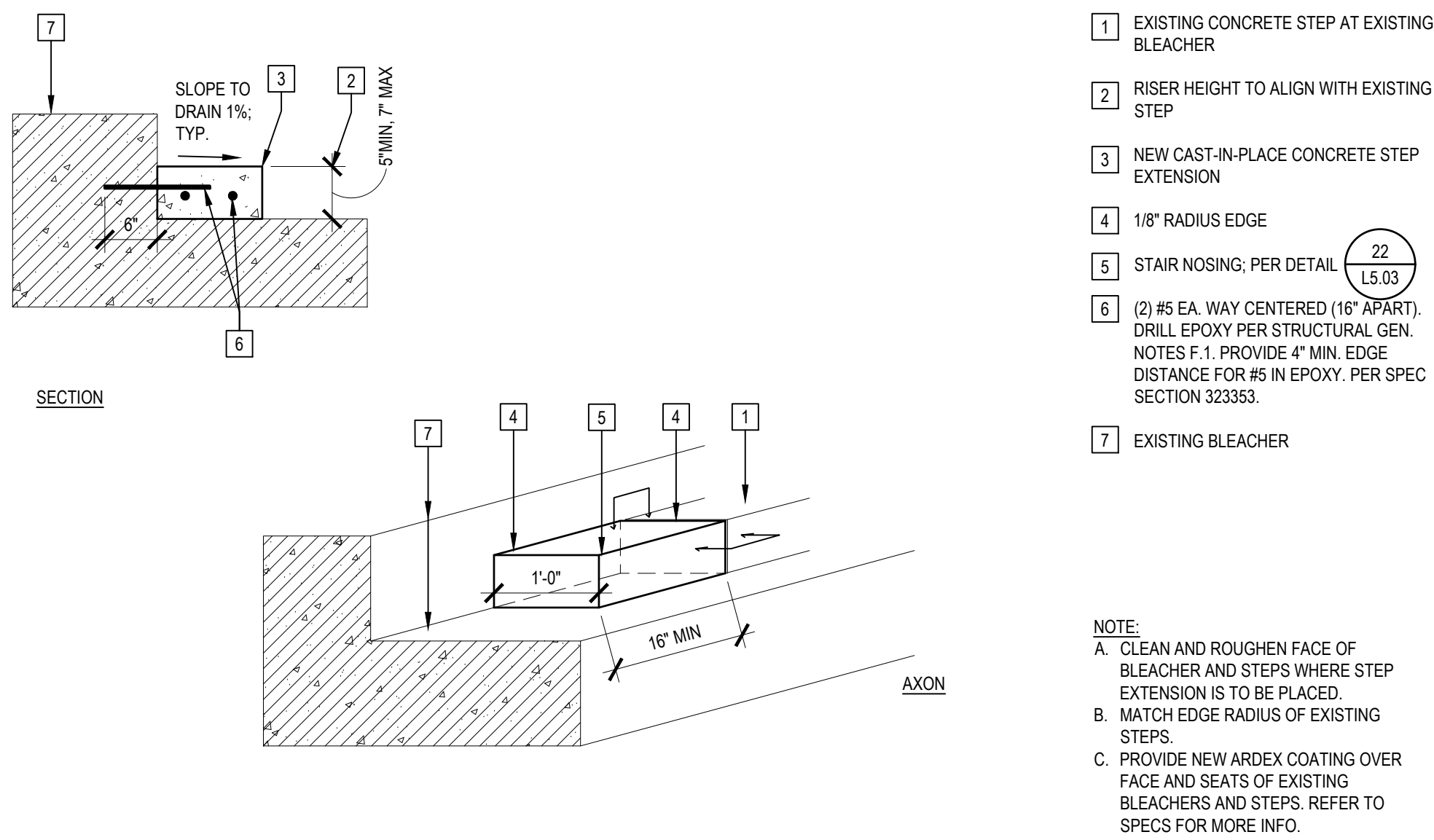
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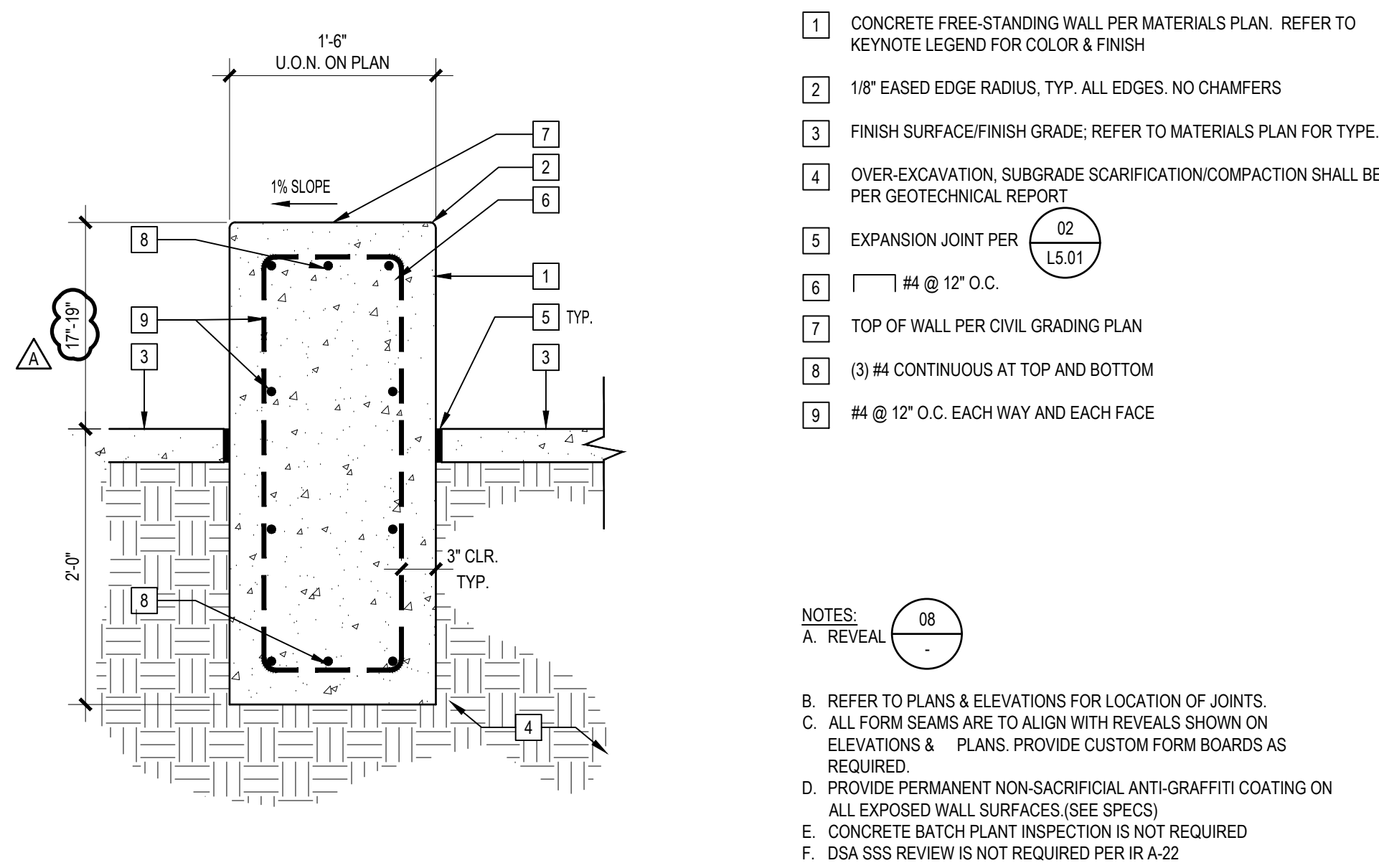
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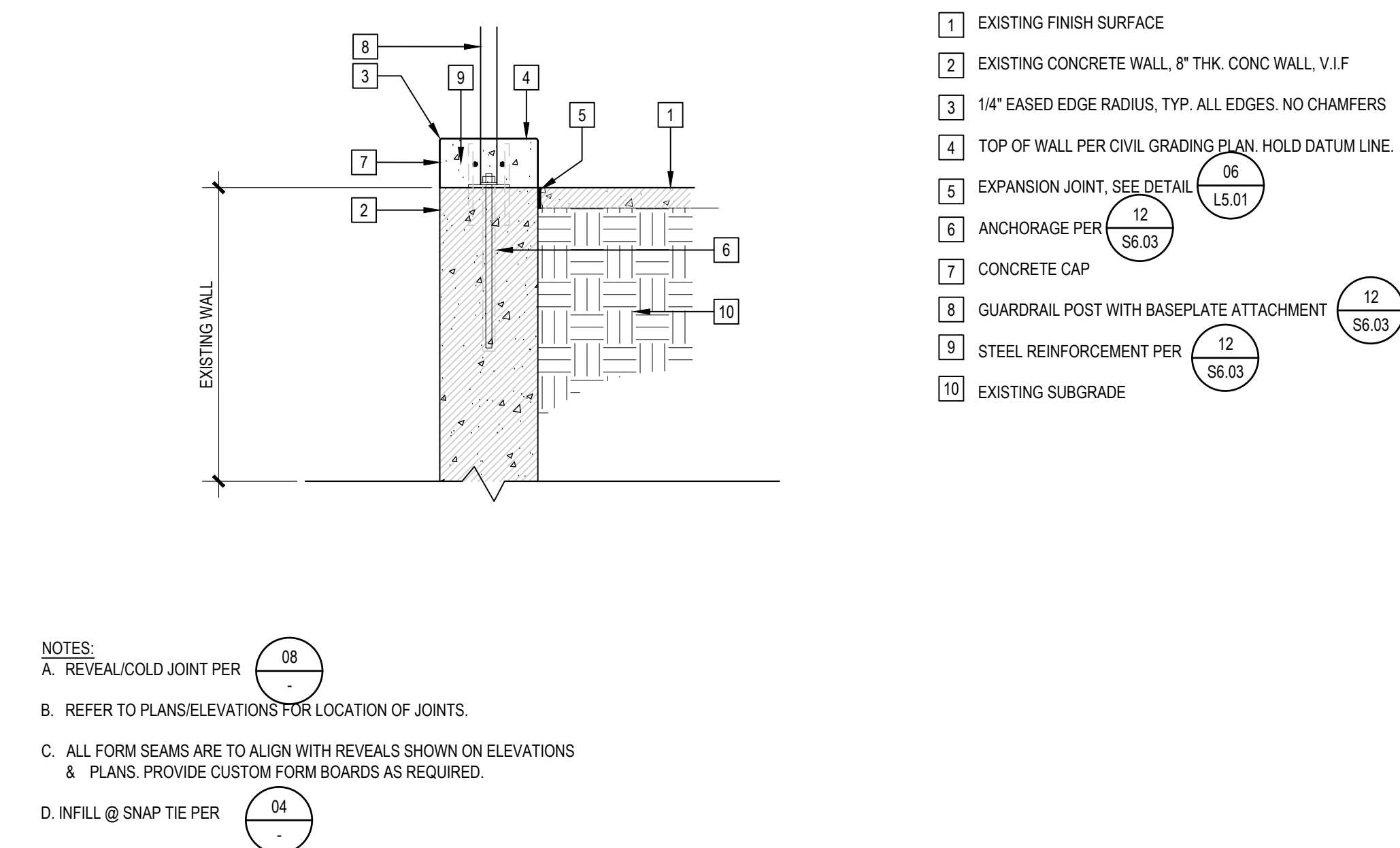
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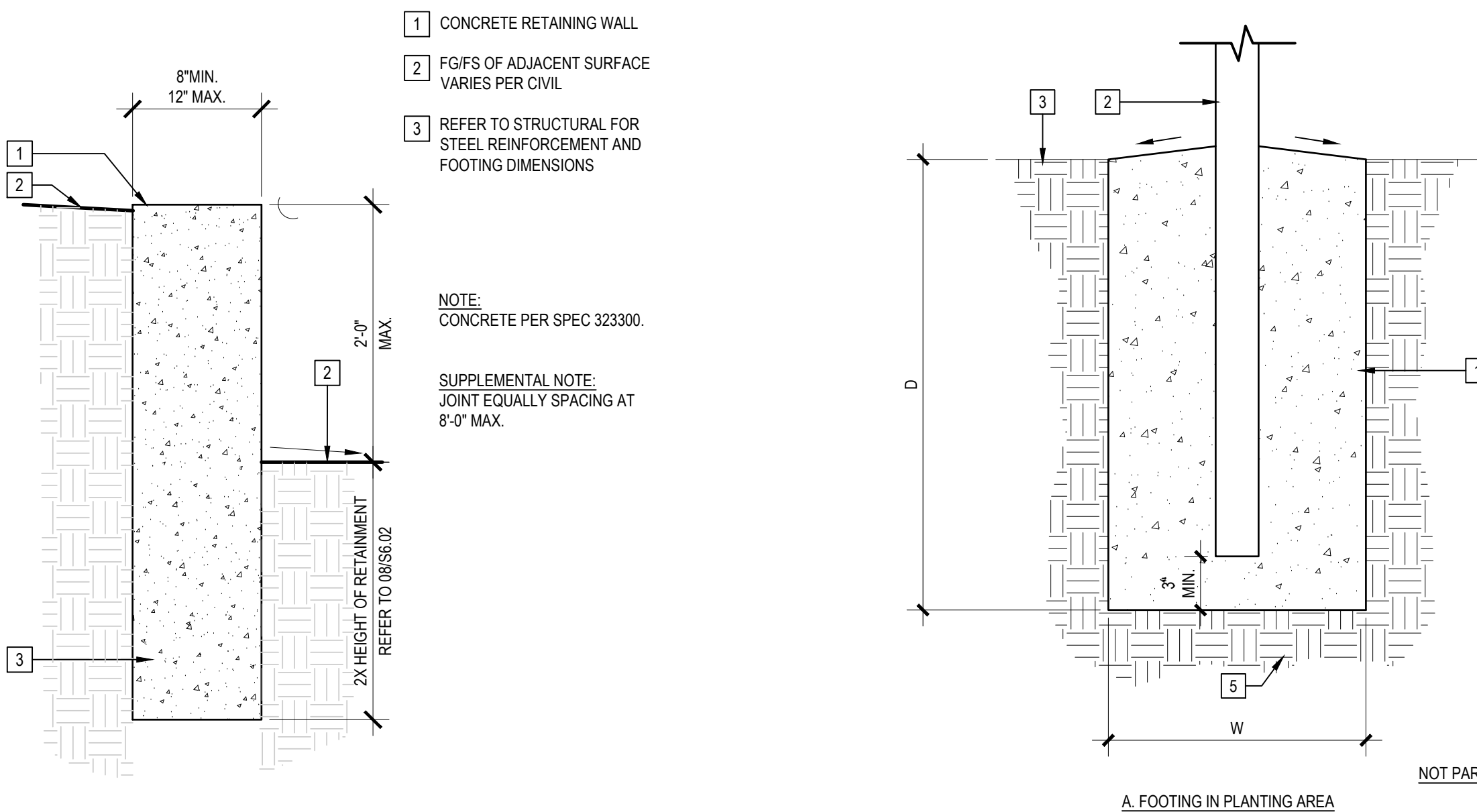
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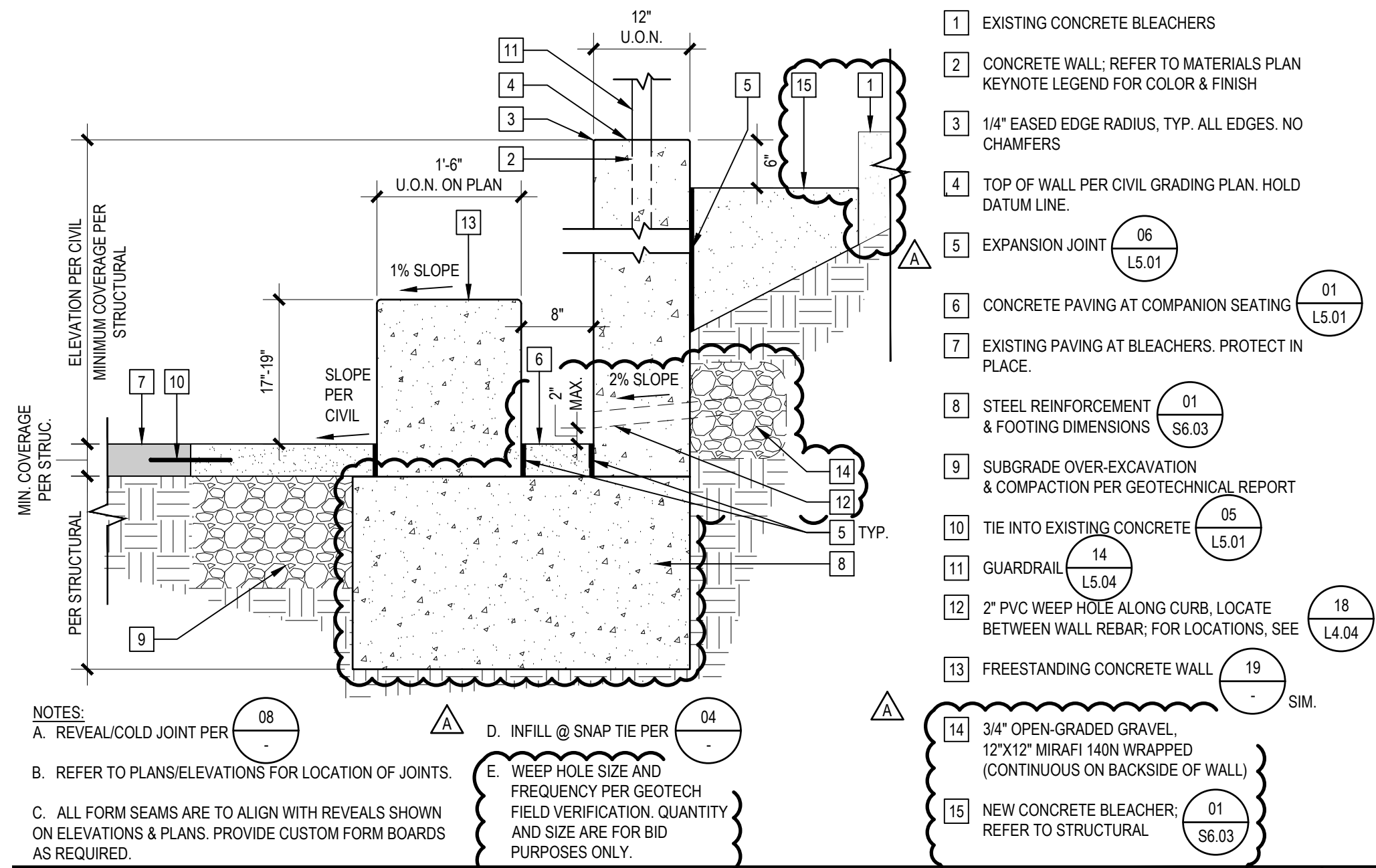
CONCRETE SEATWALL AT COMPANION SEATING 1" = 1'-0" 19



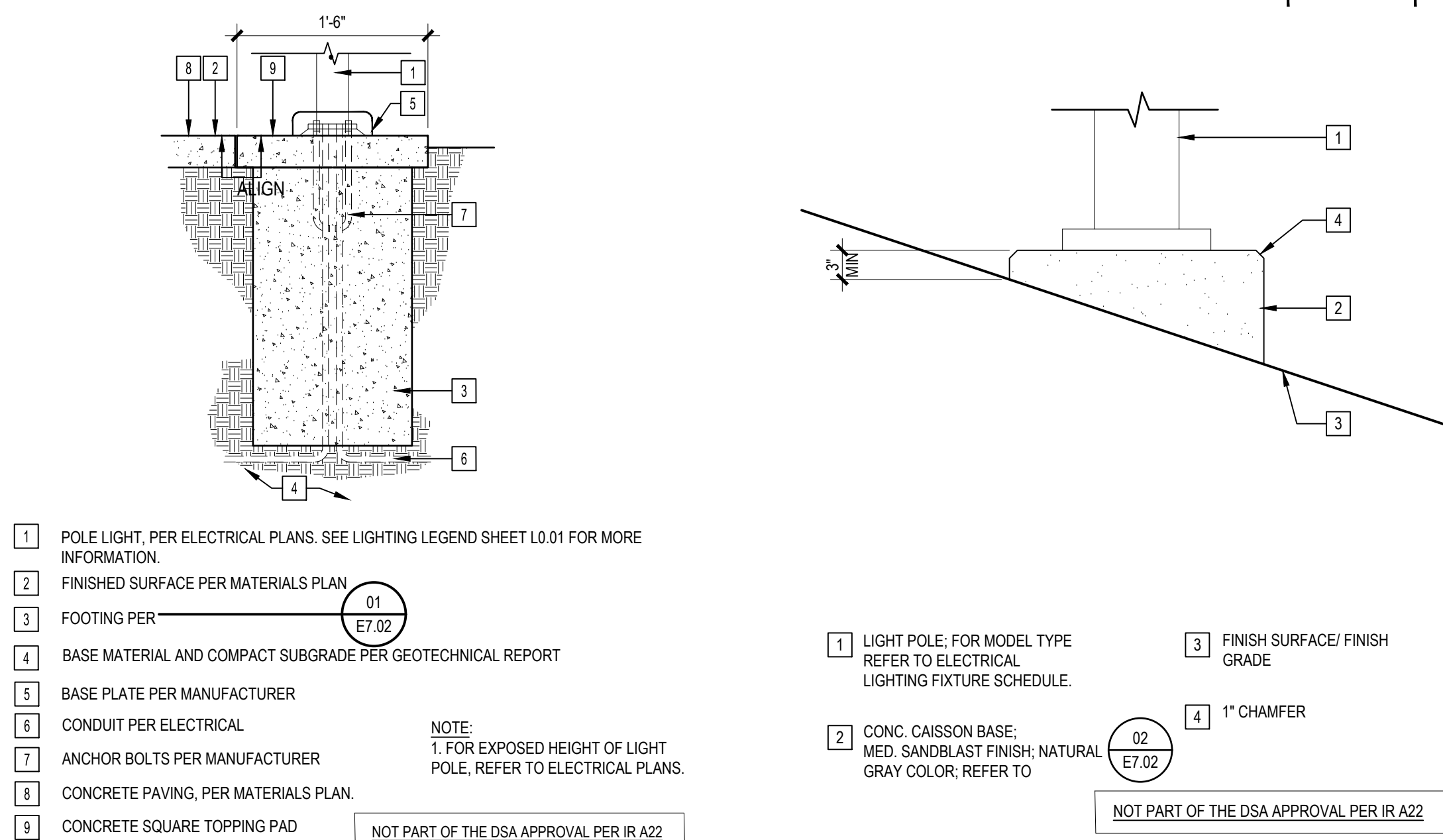
EXISTING CONCRETE RETAINING WALL - GUARDRAIL ATTACHMENT 3/4" = 1'-0" 18



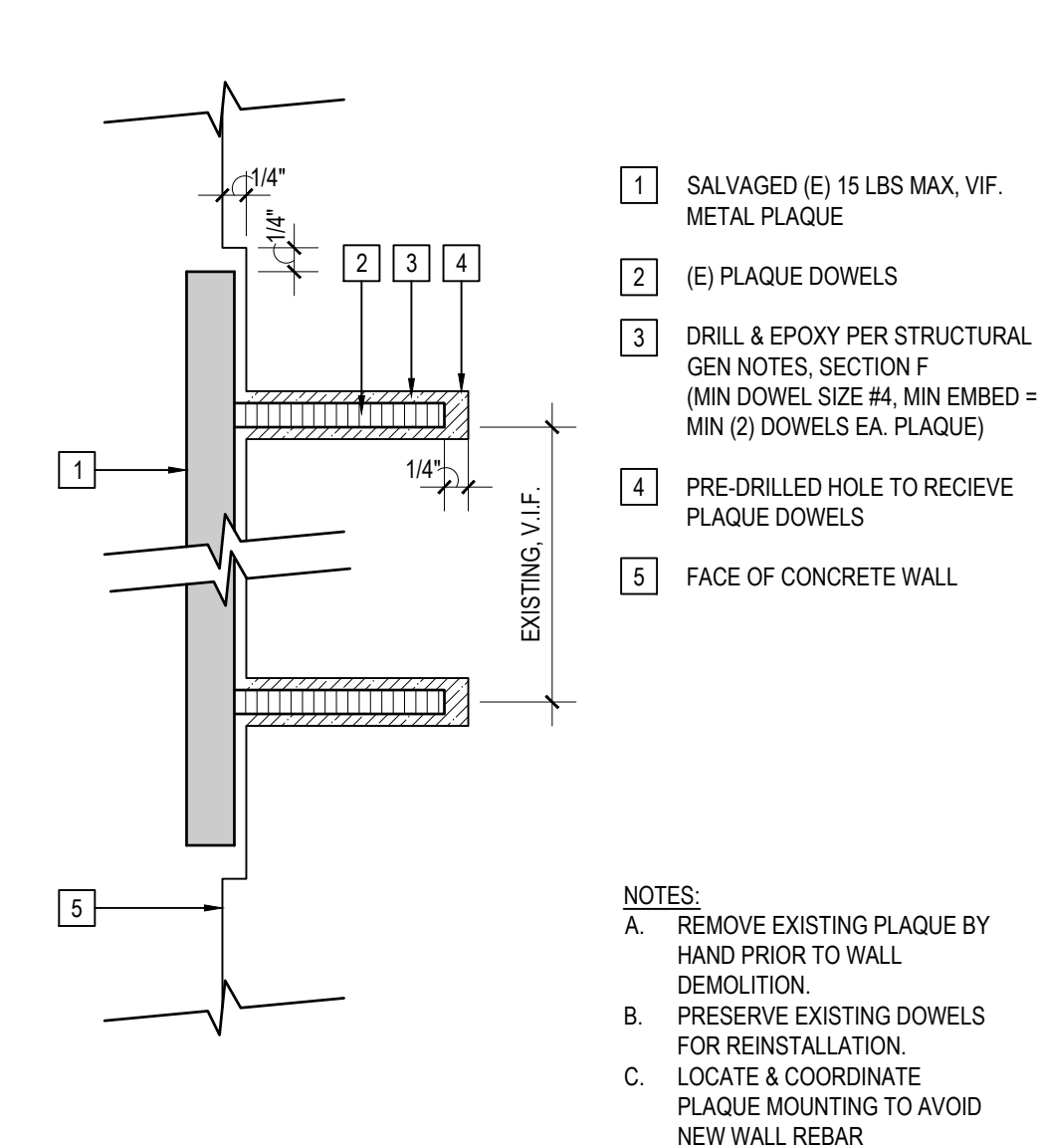
CONCRETE STEMWALL 1" = 1'-0" 21



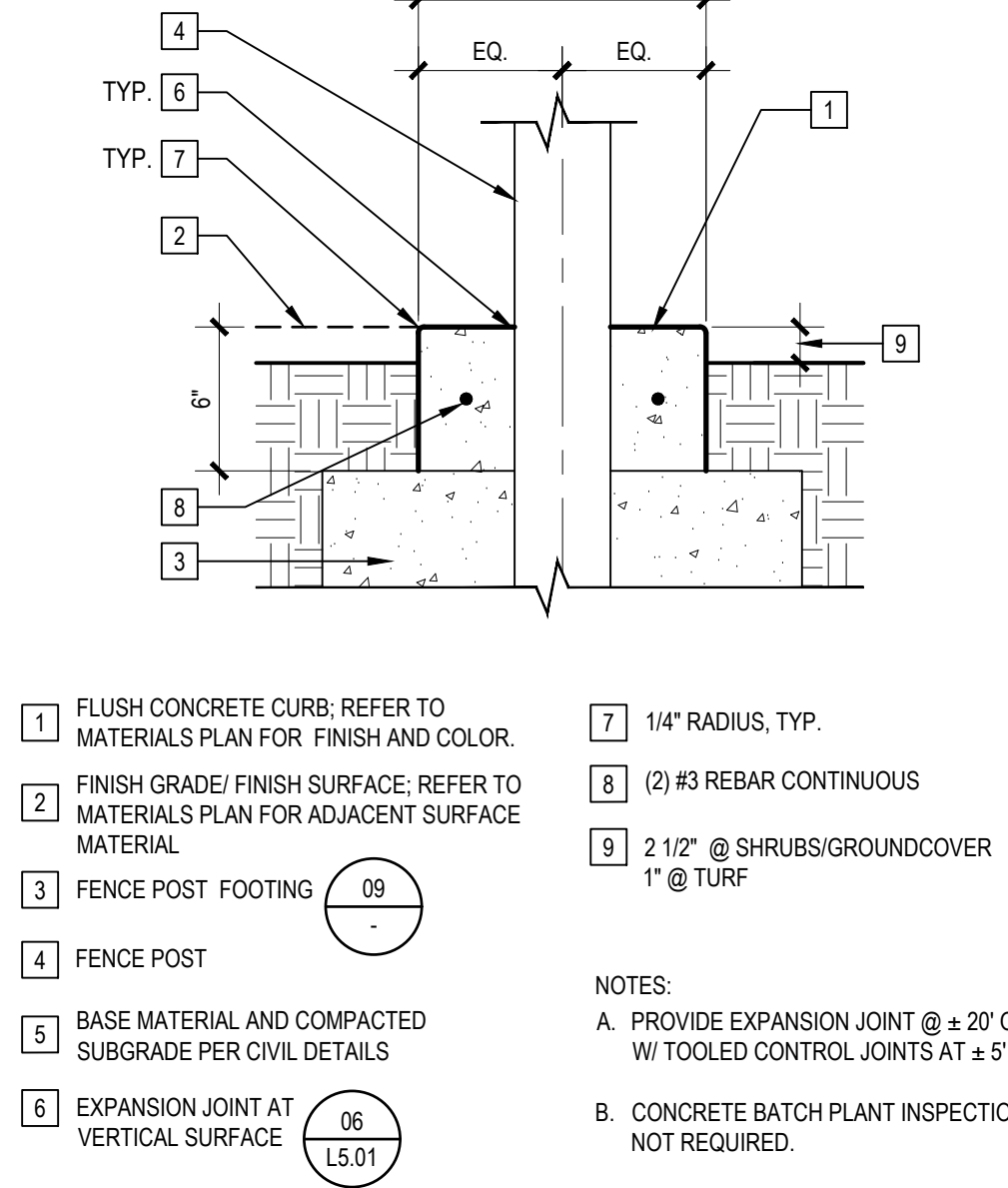
CONCRETE RETAINING WALL AND COMPANION SEATING 3/4" = 1'-0" 12



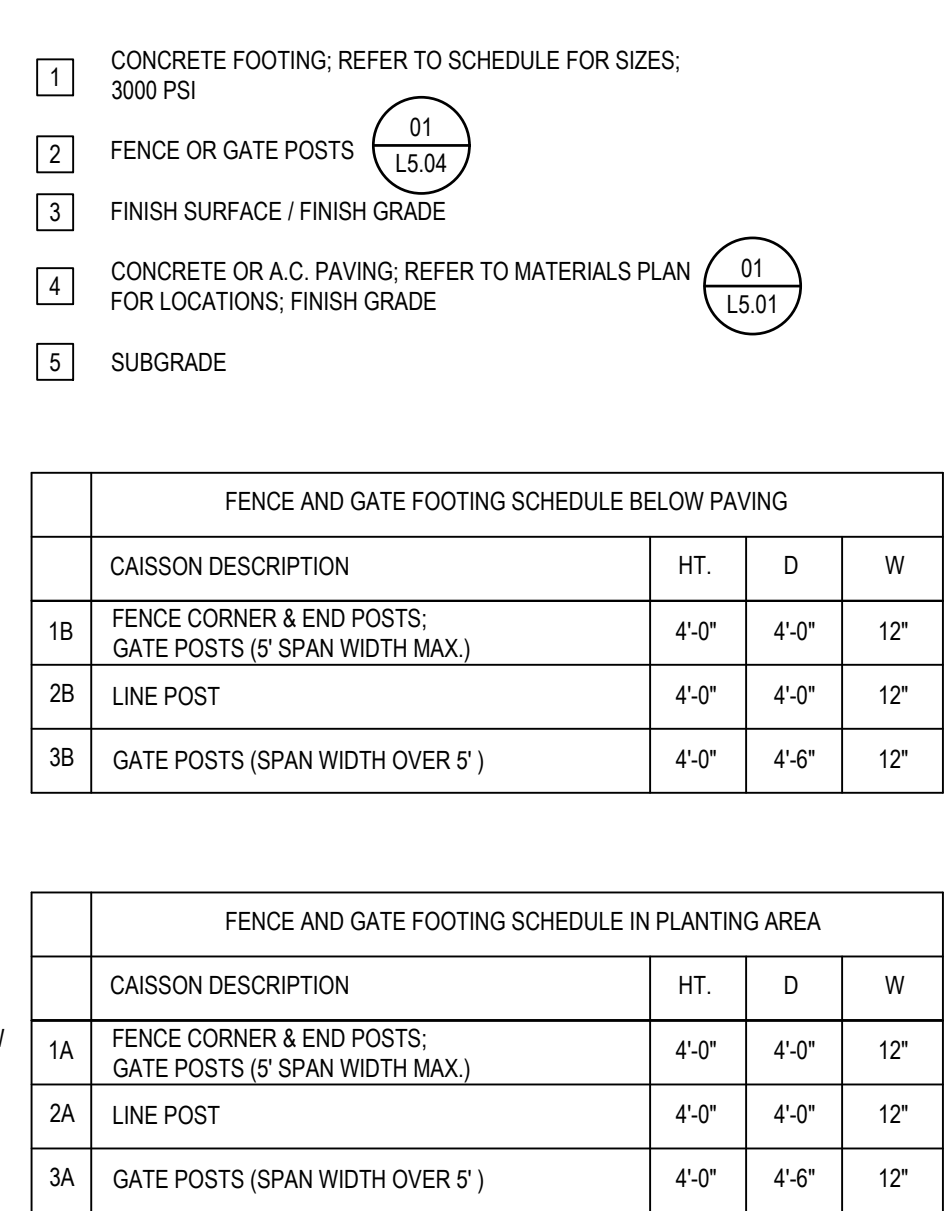
LIGHT POLE BASE ON PAVEMENT 3/4" = 1'-0" 15



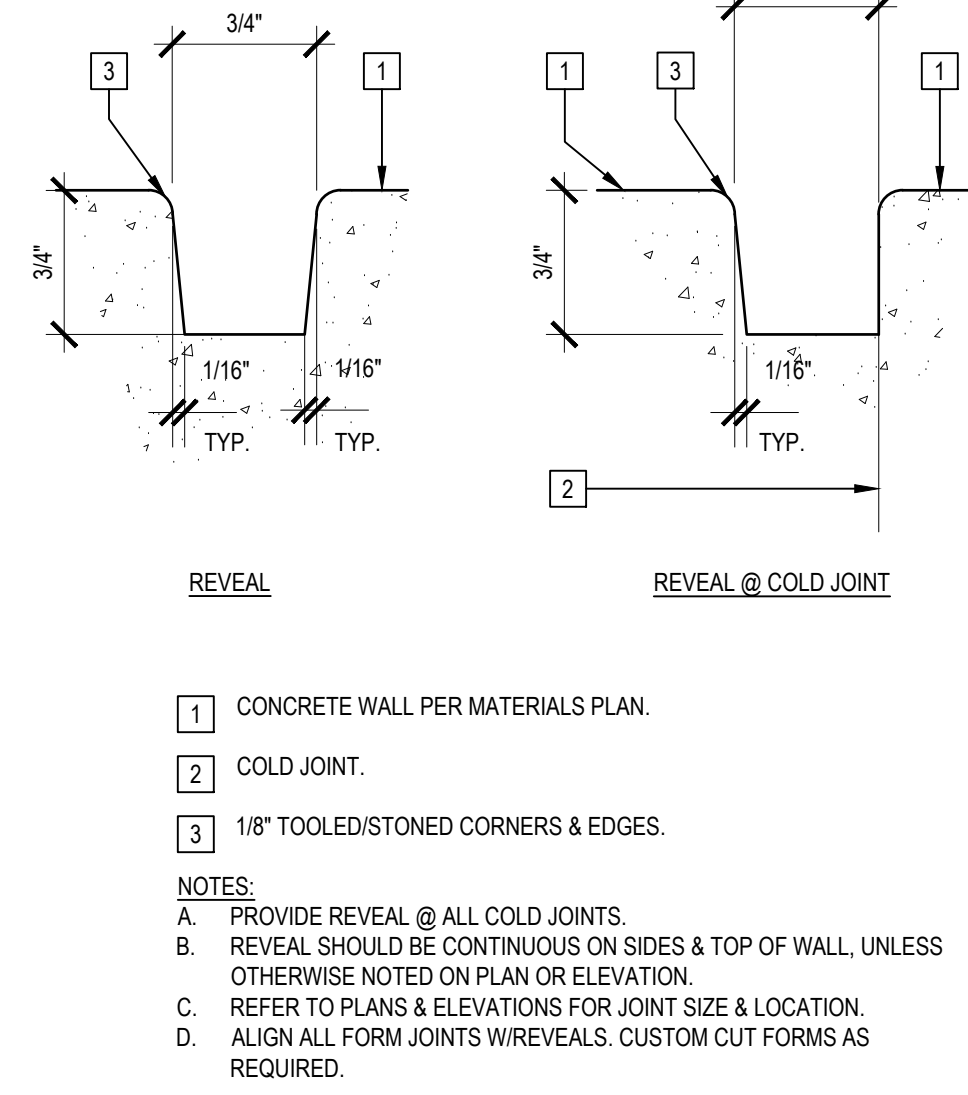
LIGHT POLE BASE AT PLANTING 1" = 1'-0" 11



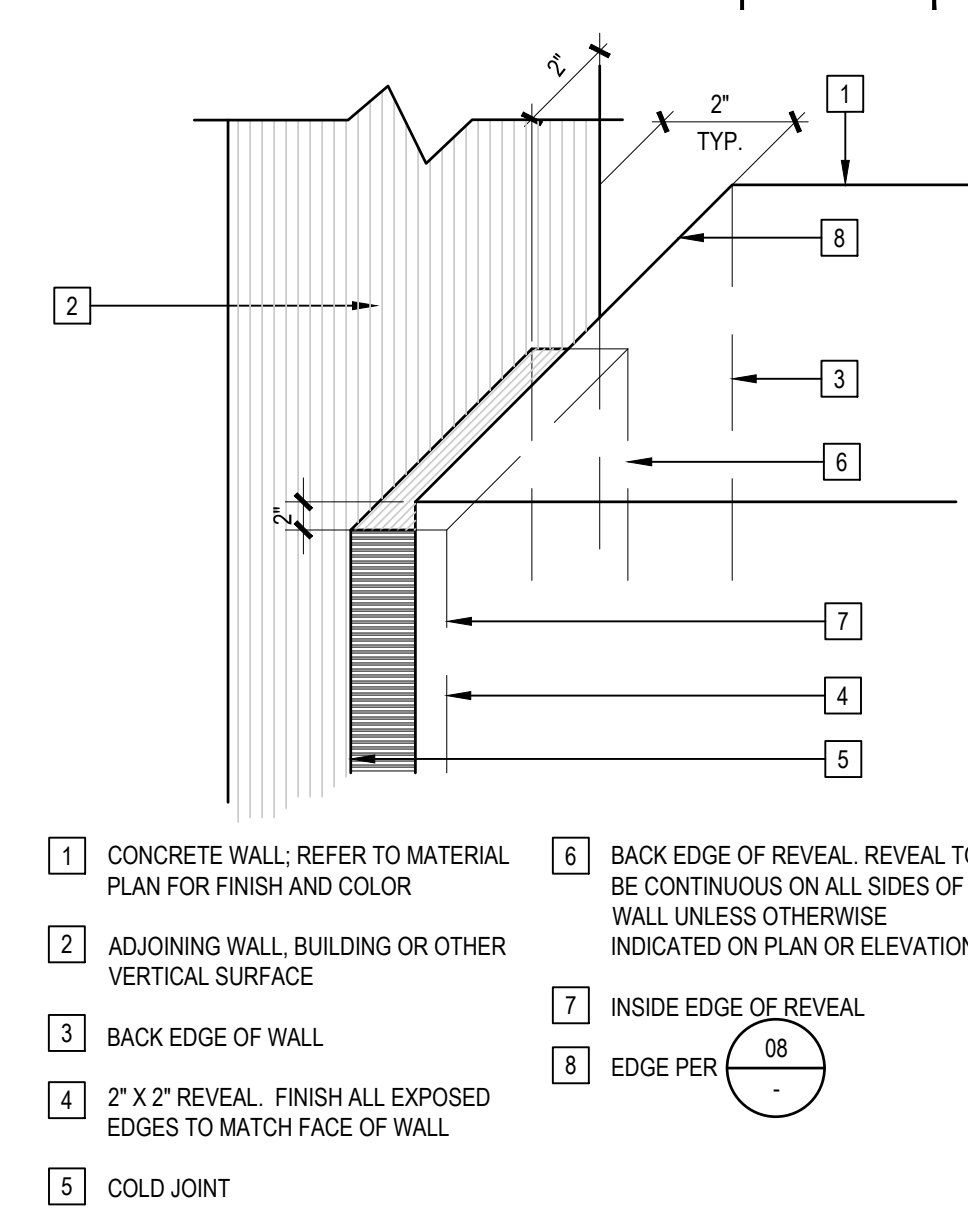
CONCRETE BAND AT FENCING 1 1/2" = 1'-0" 10



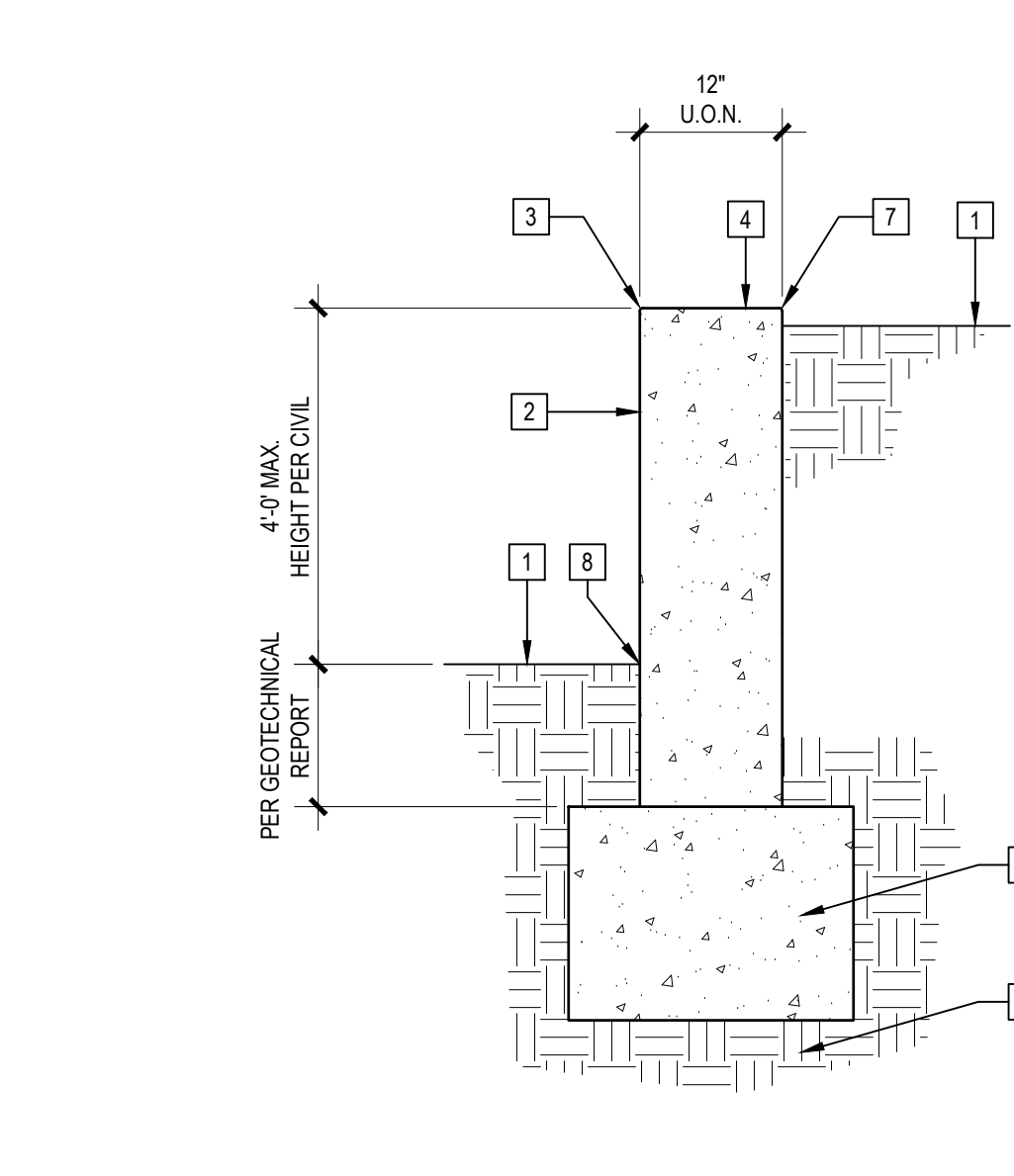
FENCE AND GATE POST FOOTING 1" = 1'-0" 09



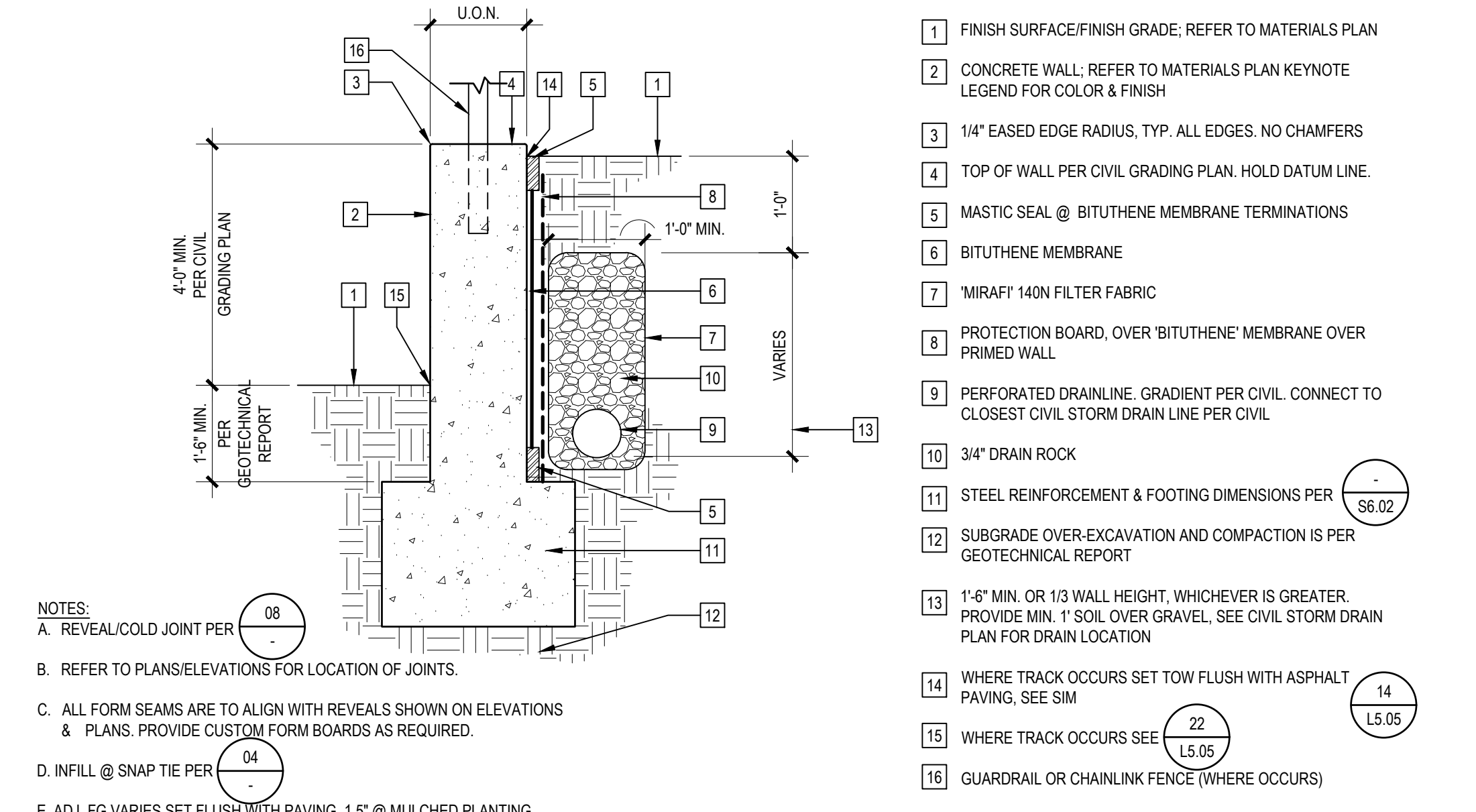
CONCRETE WALL REVEALS FULL SAME 08



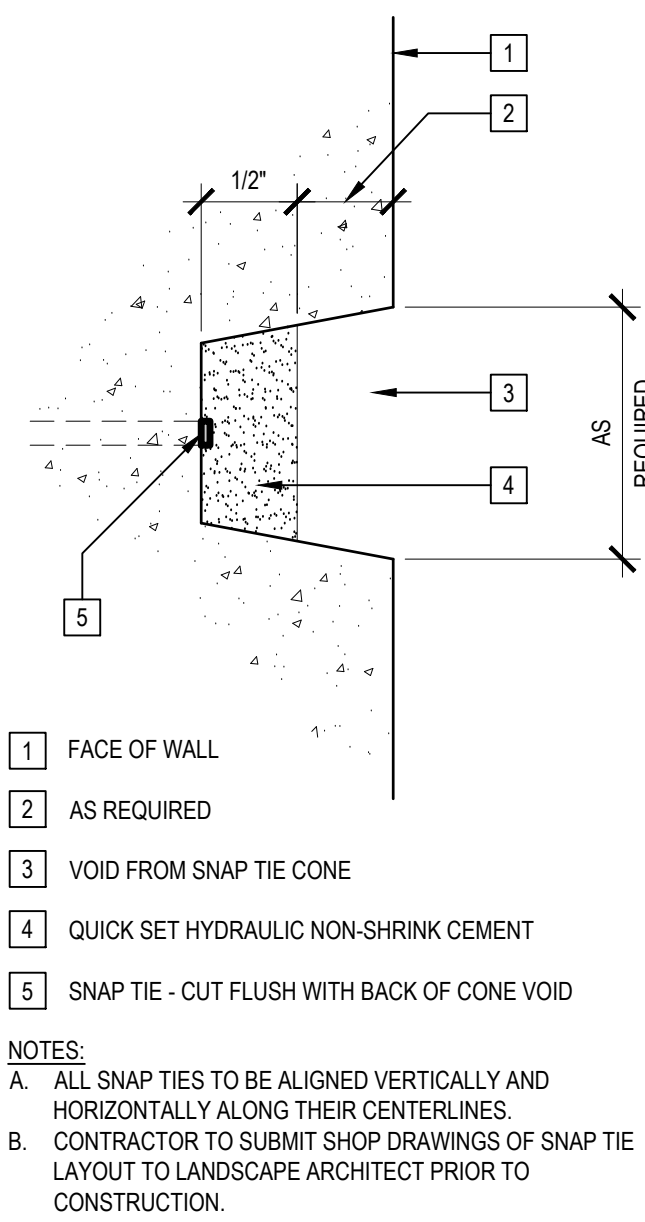
REVEAL AT END OF CONC. WALL 3" = 1'-0" 07



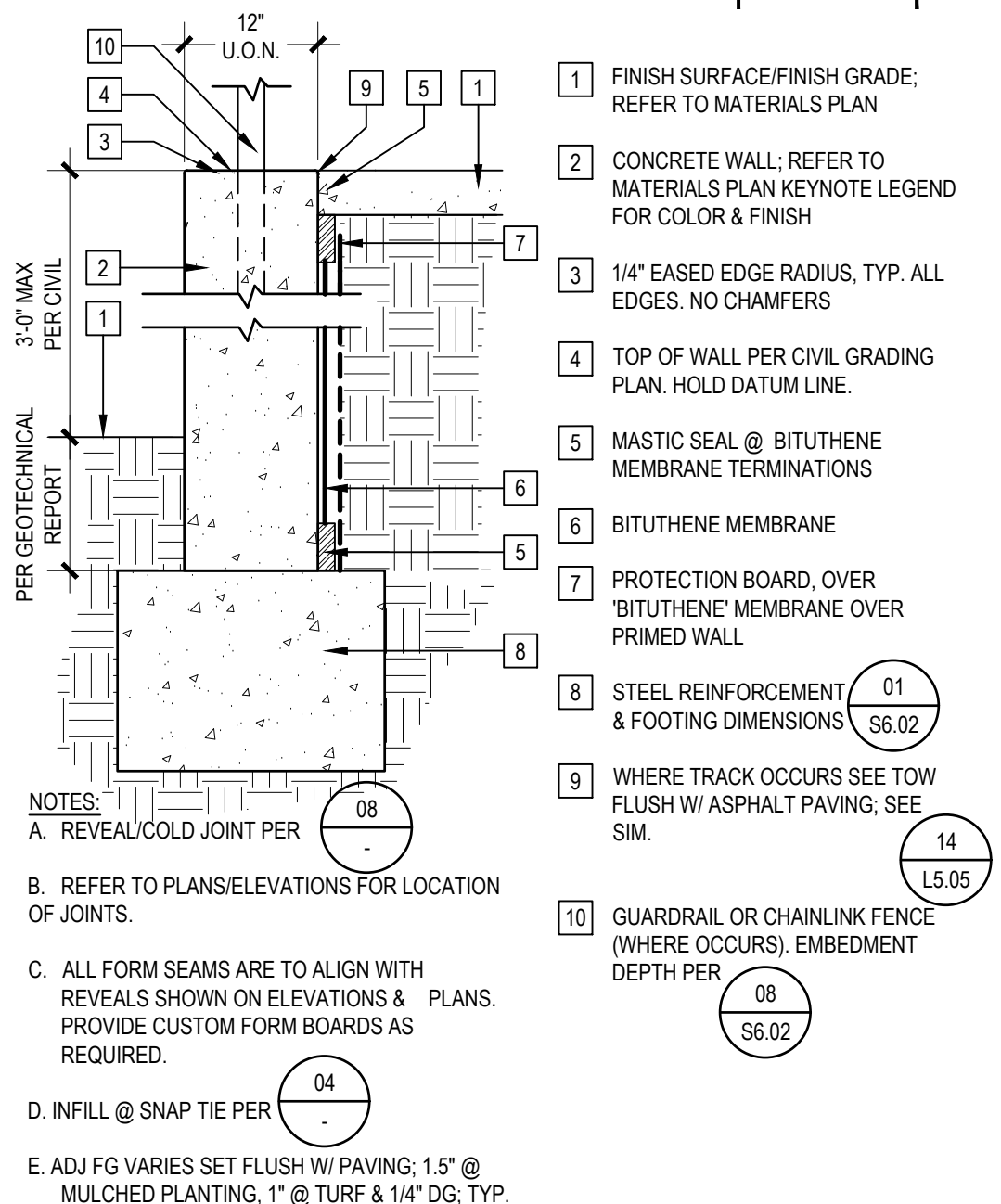
CONCRETE RETAINING WALL - UNDER 4' HIGH 3/4" = 1'-0" 02



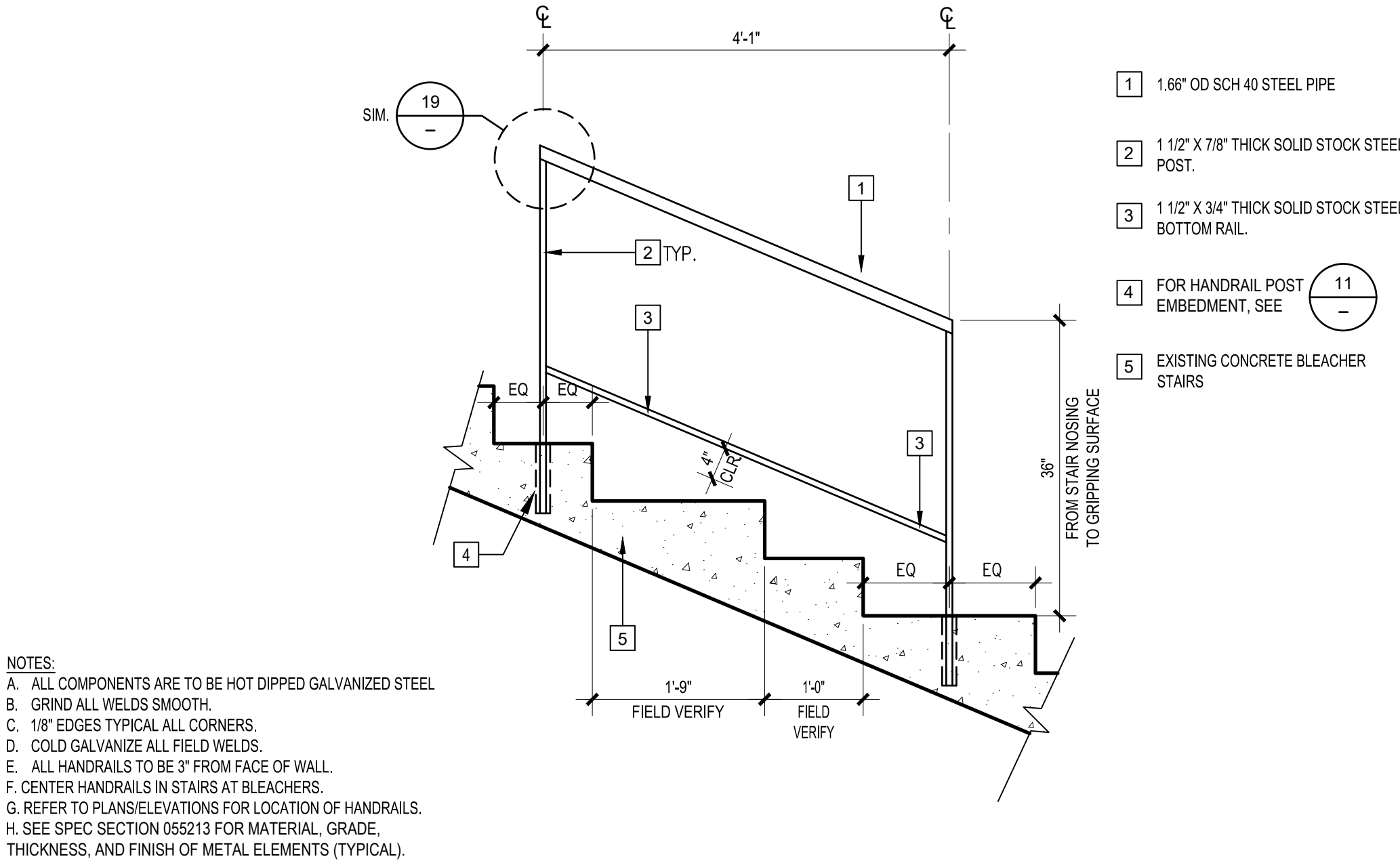
CONCRETE RETAINING WALL - 4' AND HIGHER 3/4" = 1'-0" 01



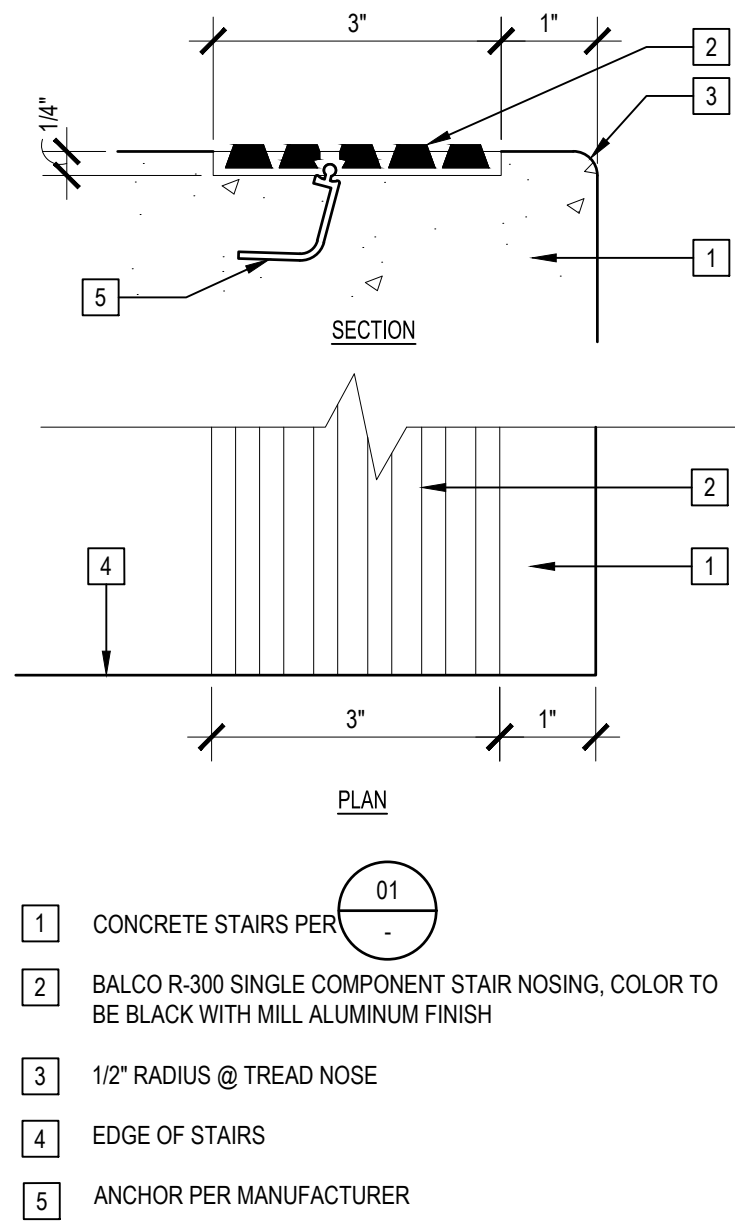
INFILL AT WALL SNAP TIE VOID FULL 04



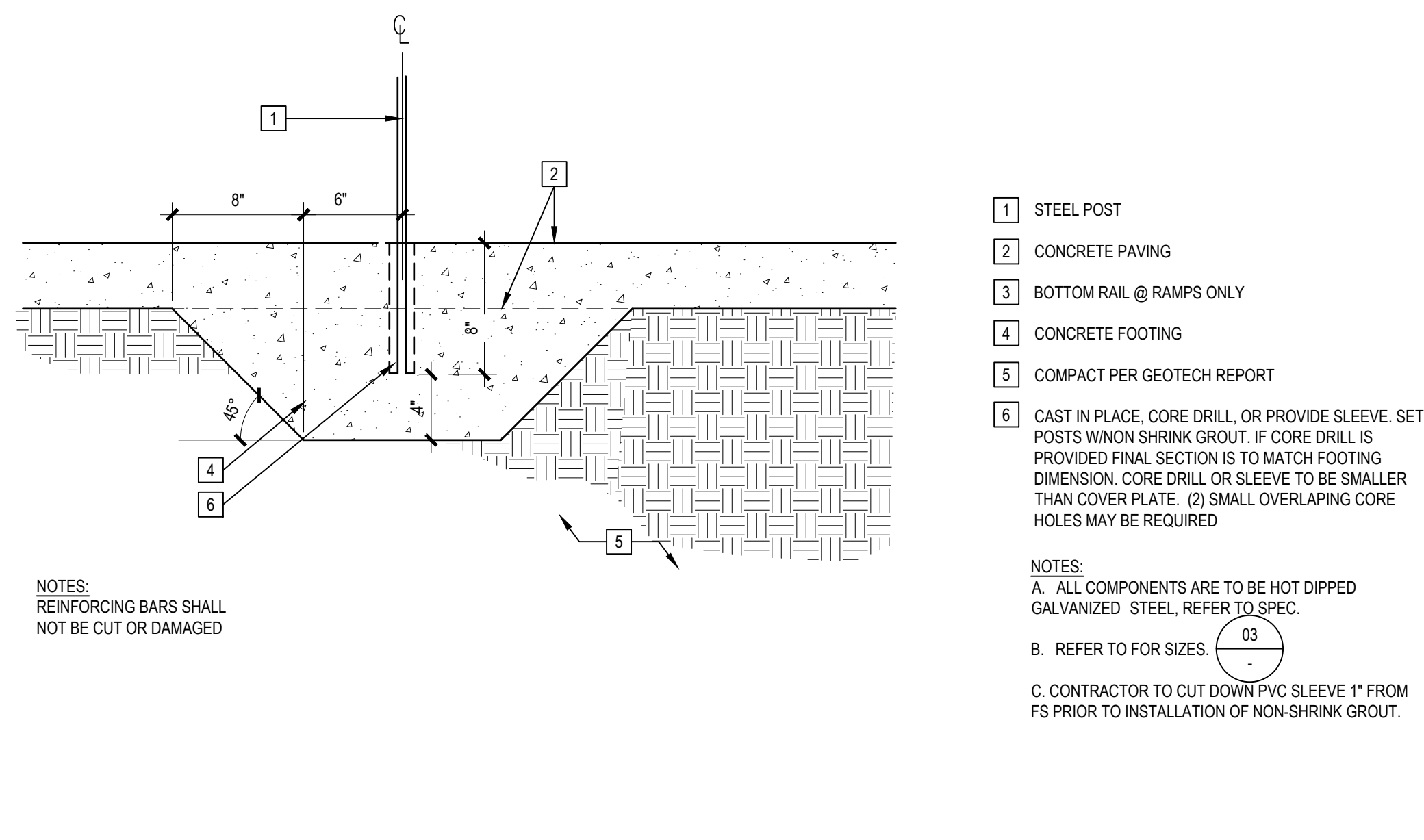
CONCRETE RETAINING WALL W/ FENCING 3/4" = 1'-0" 03



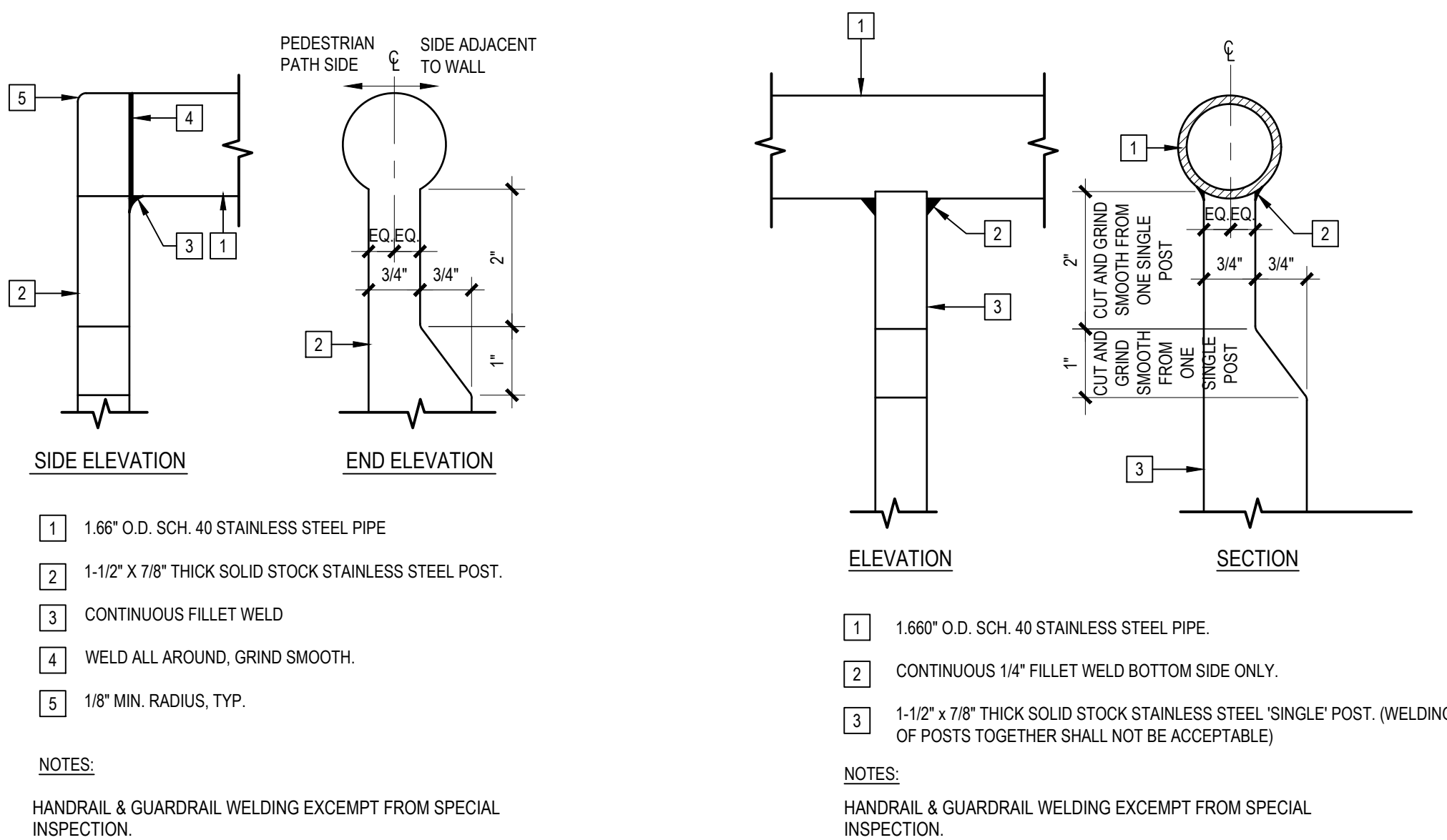
HANDRAIL AT EXISTING BLEACHER STAIR 3/4" = 1'-0" 18



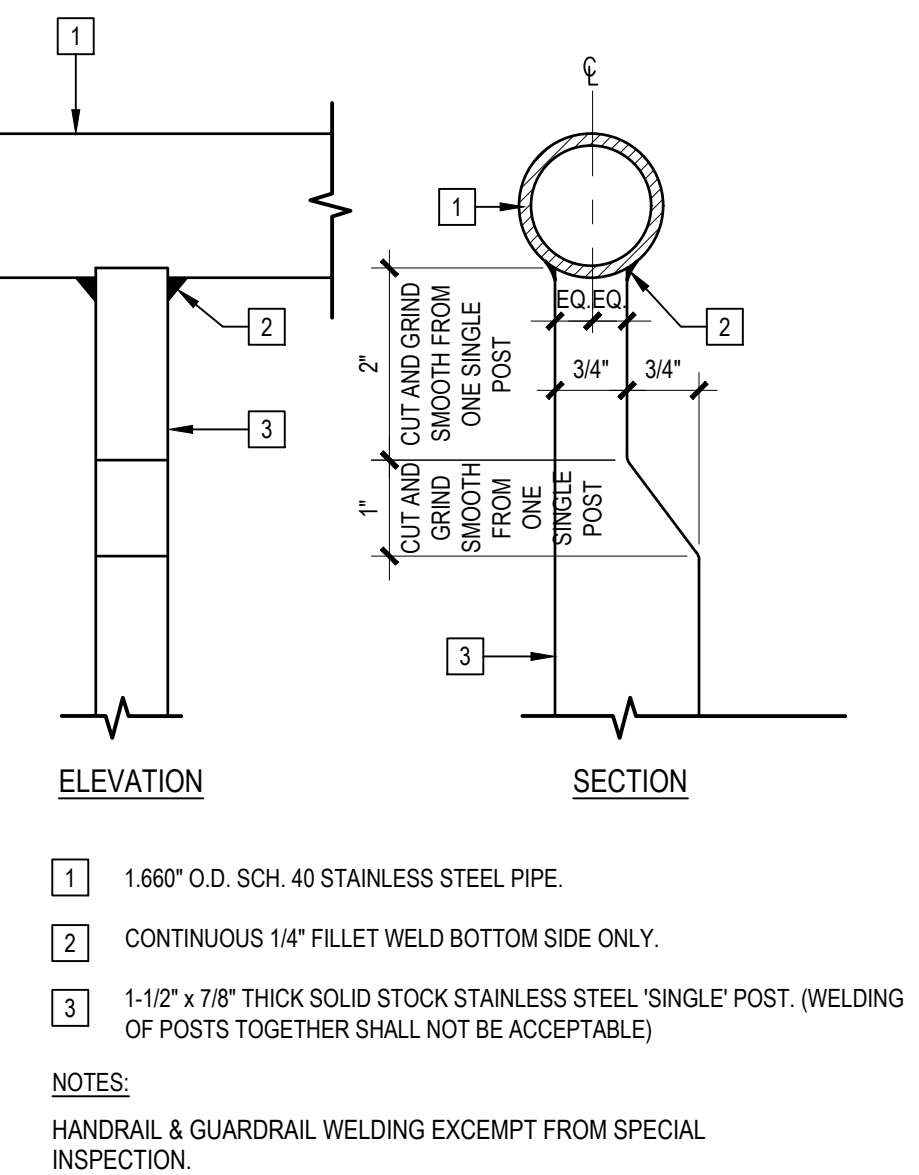
STAIR NOSING 6" = 1'-0" 12



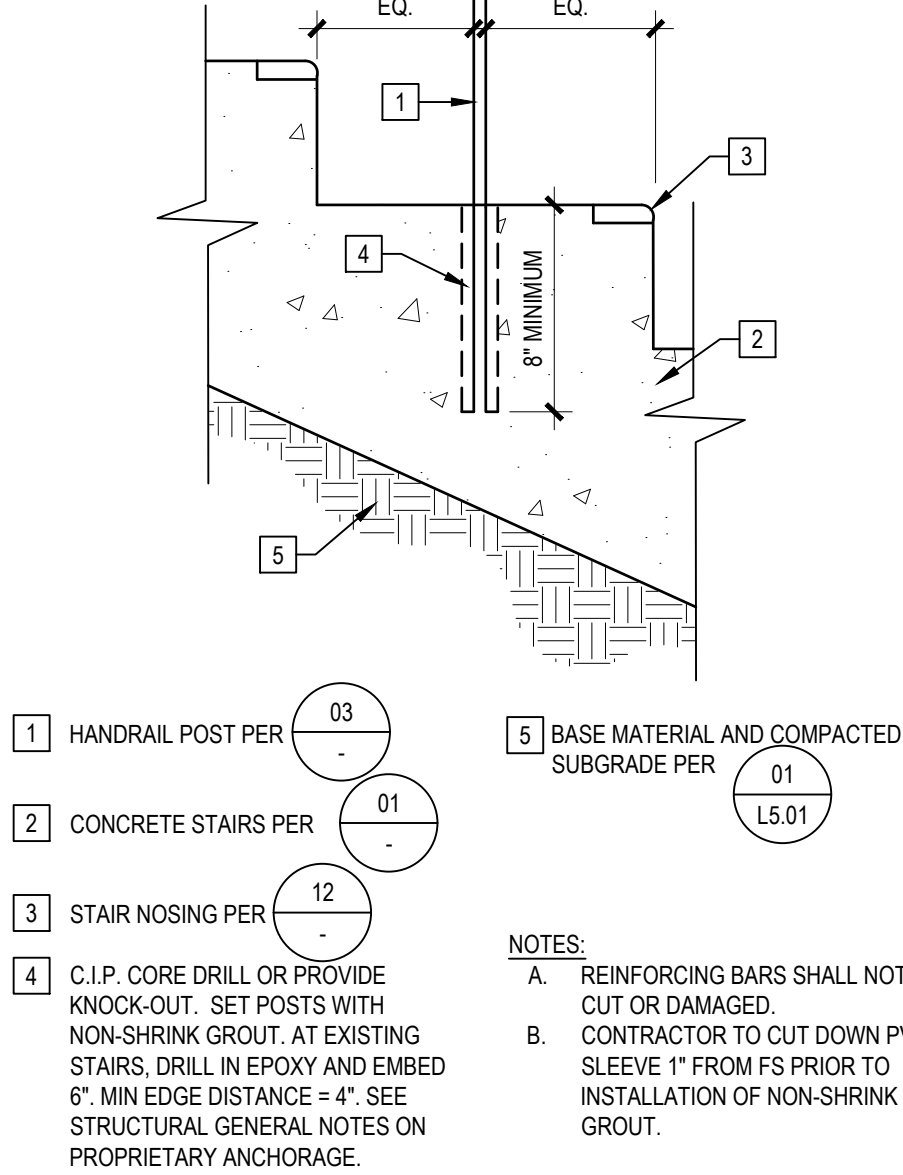
HANDRAIL END POST EMBEDMENT 1-1/2" = 1'-0" 04



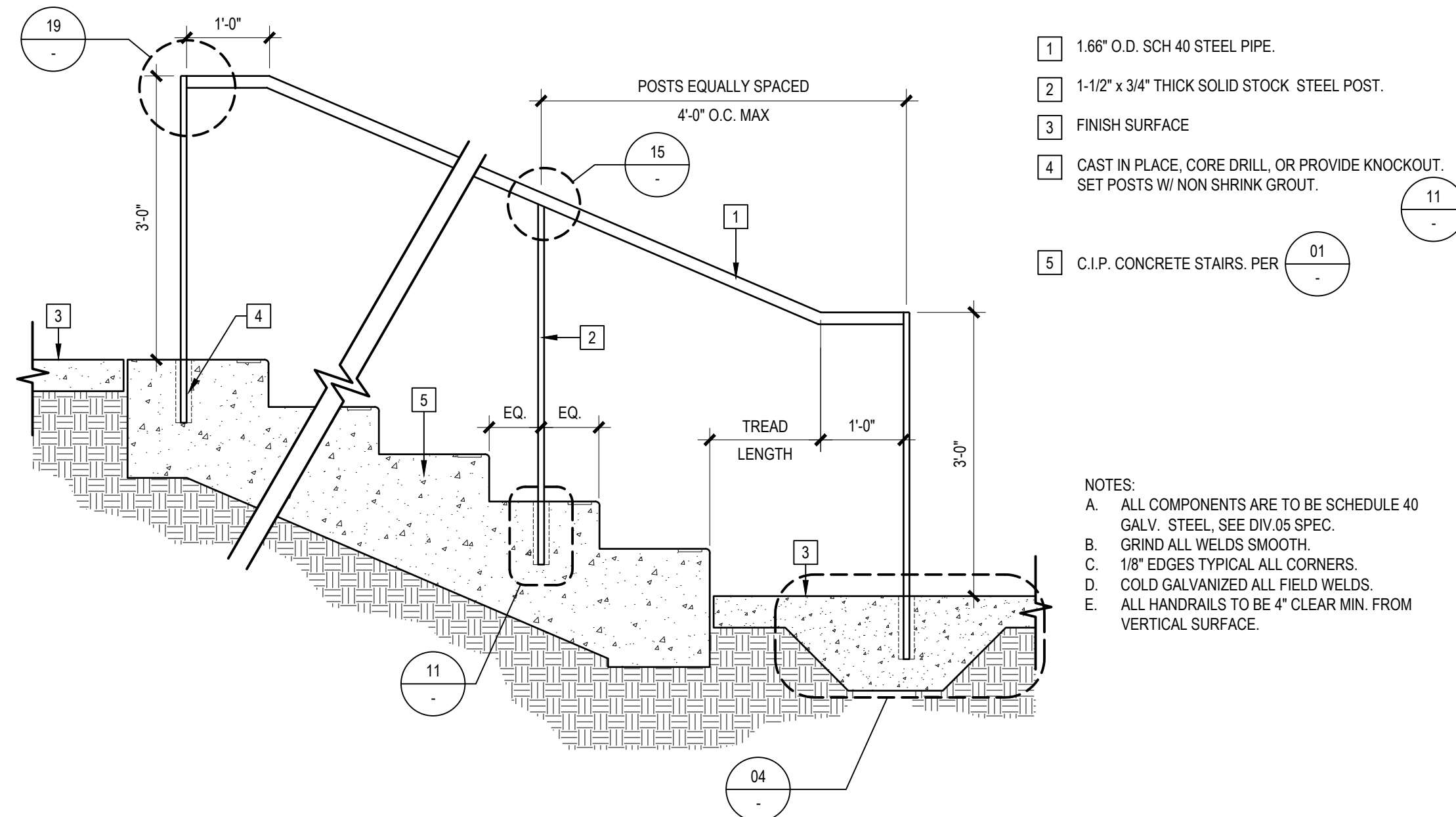
HANDRAIL END CONNECTION 6" = 1'-0" 19



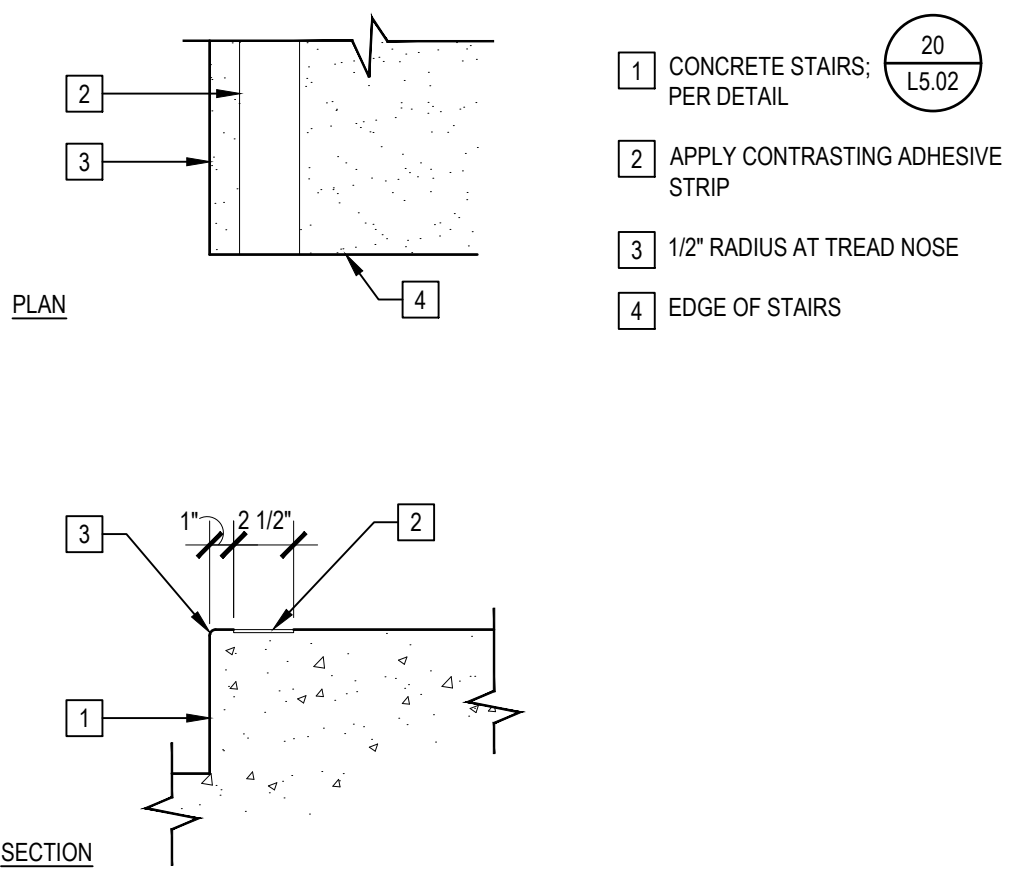
HANDRAIL MID CONNECTION 6" = 1'-0" 15



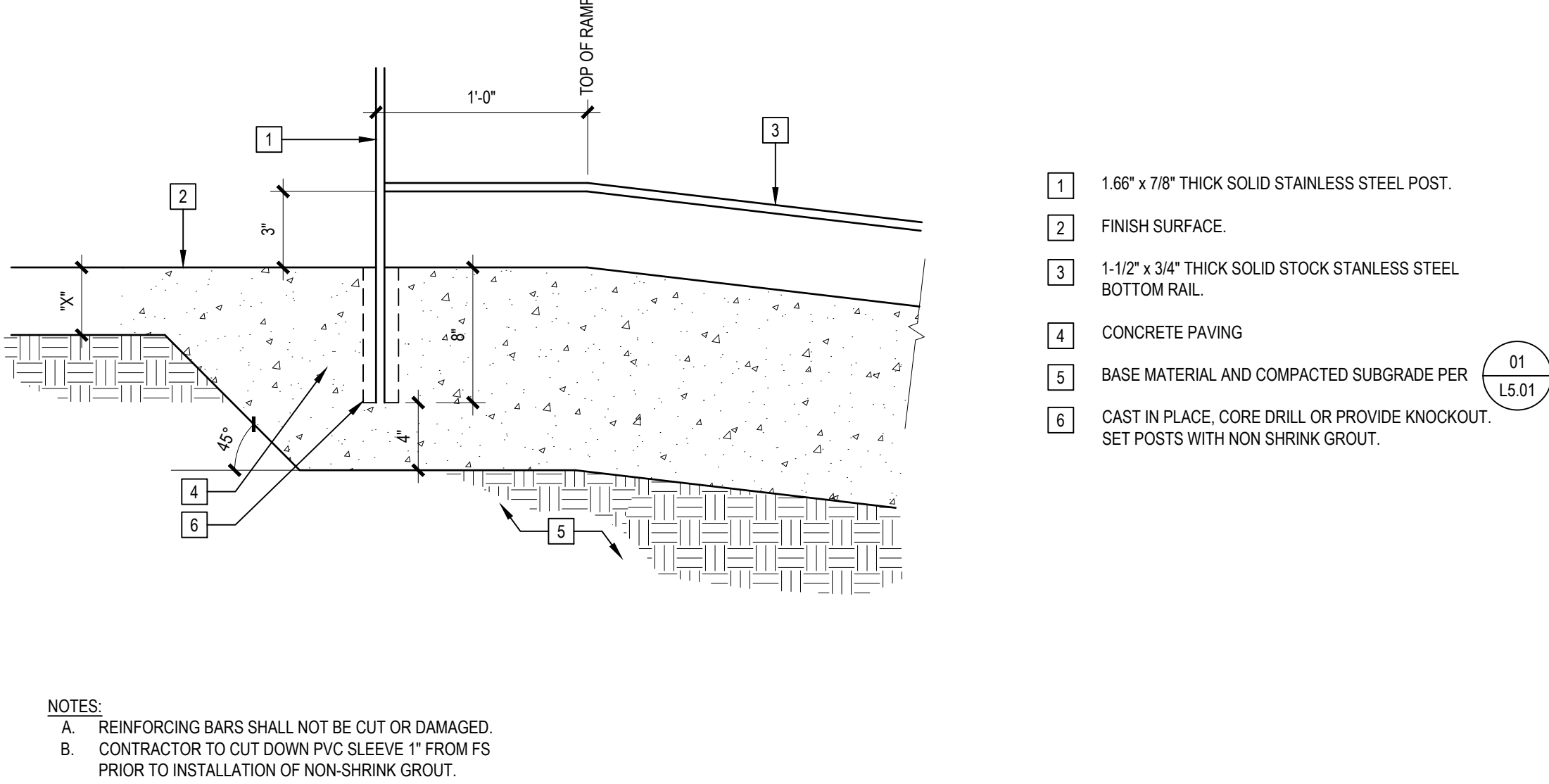
STAIR HANDRAIL EMBEDMENT 1-1/2" = 1'-0" 11



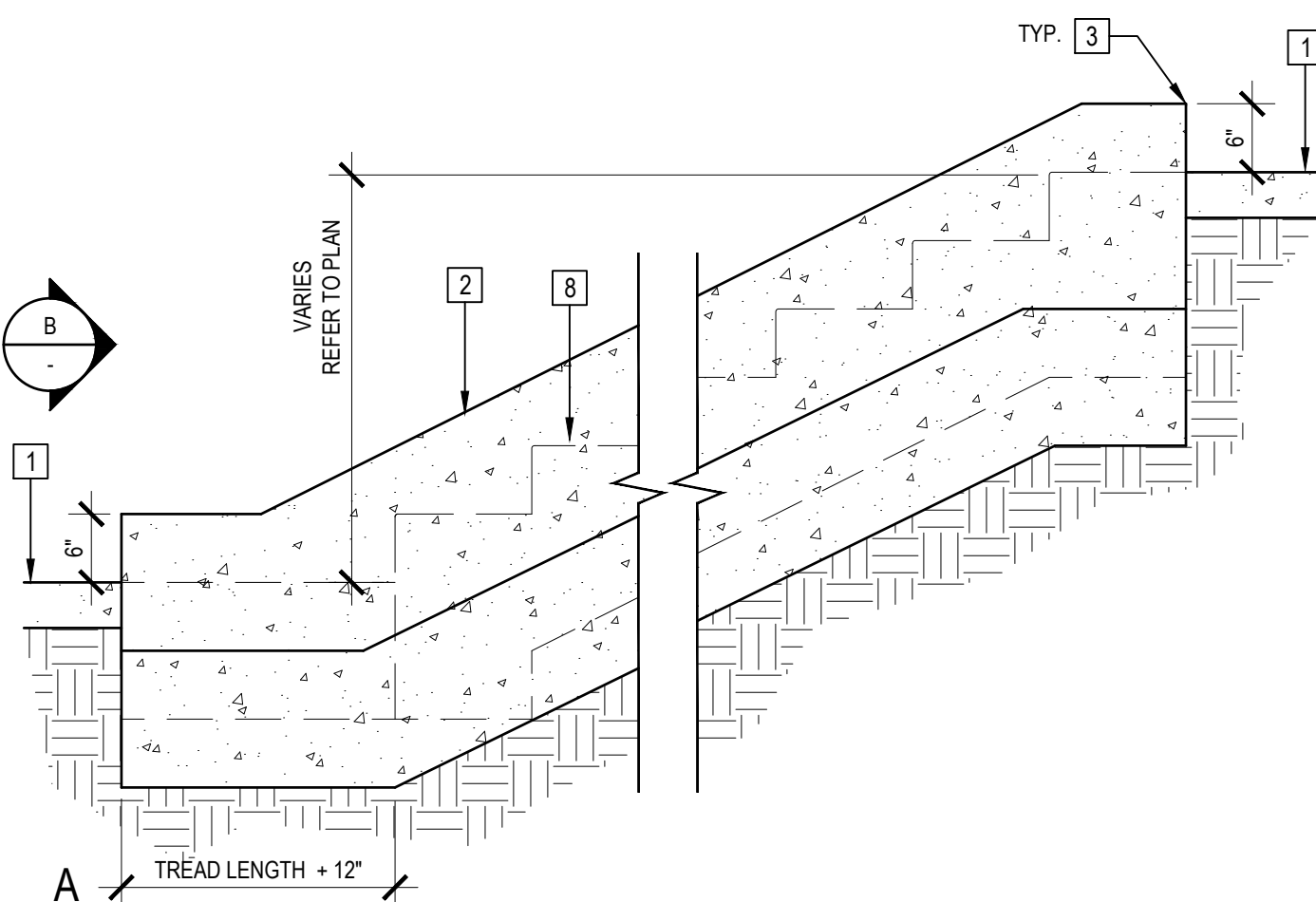
STAIR HANDRAIL 3/4" = 1'-0" 03



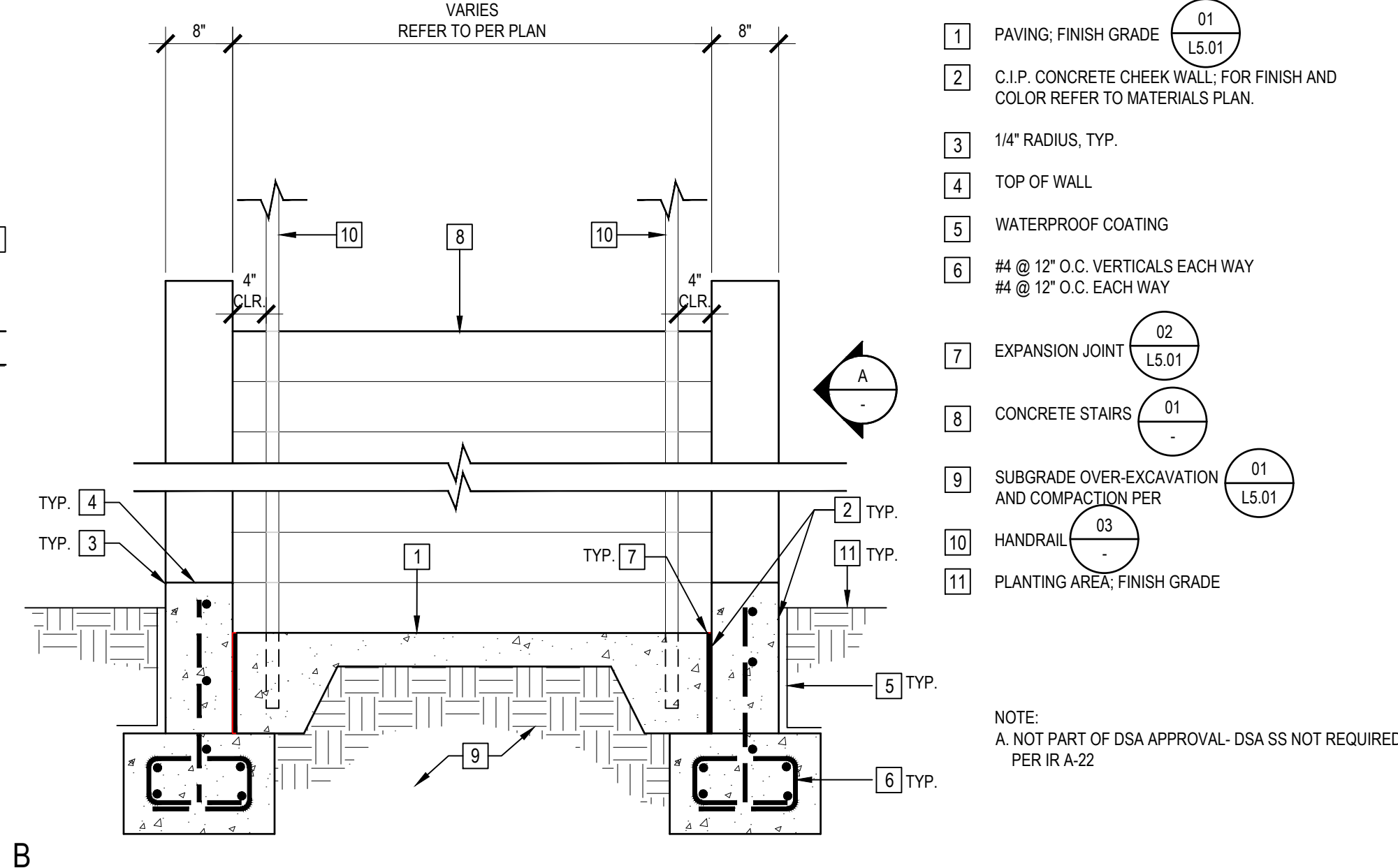
STAIR NOSING - TYPE 2 1-1/2" = 1'-0" 22



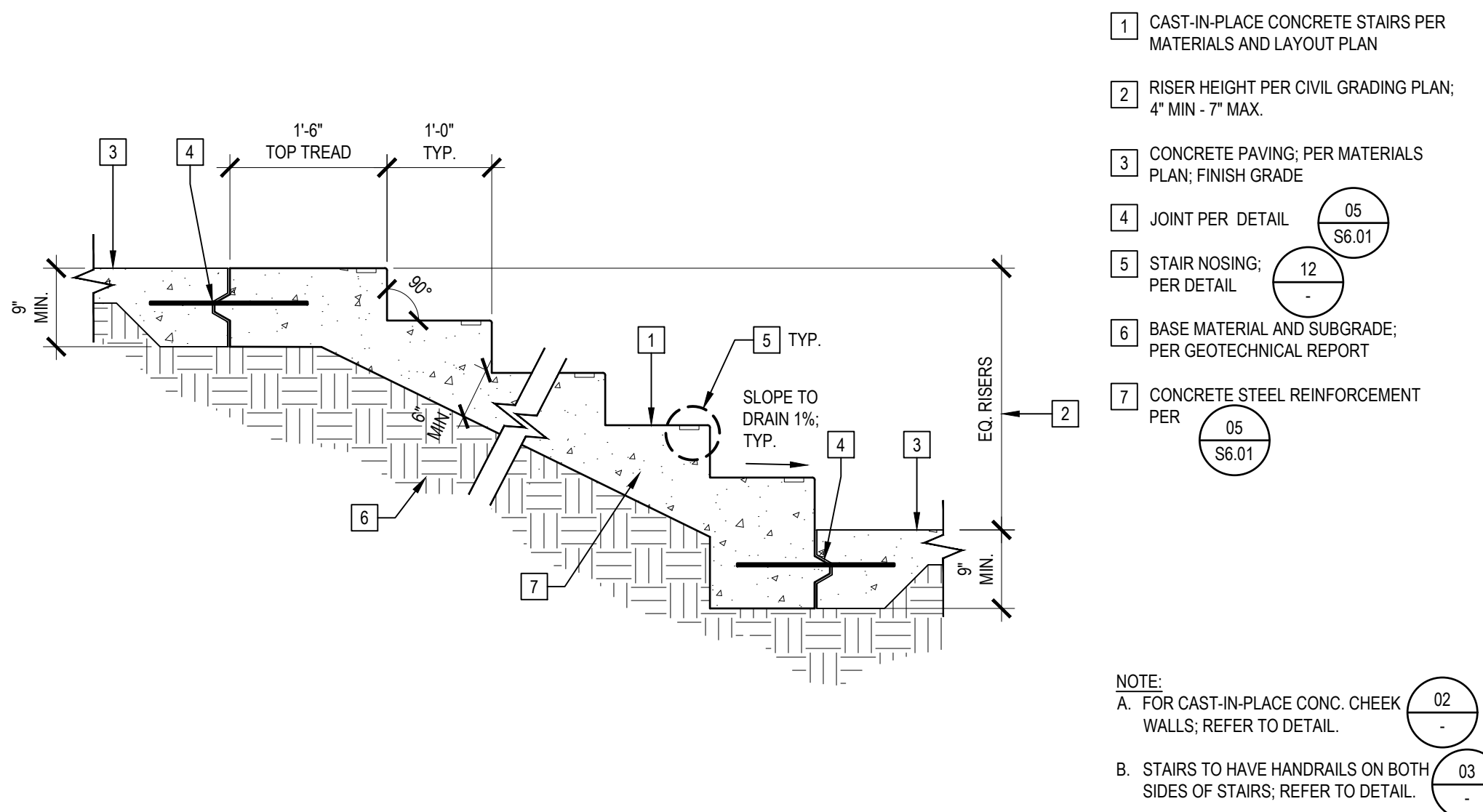
RAMP HANDRAIL EMBEDMENT 1-1/2" = 1'-0" 14



HANDRAIL @ RAMP 3/4" = 1'-0" 09

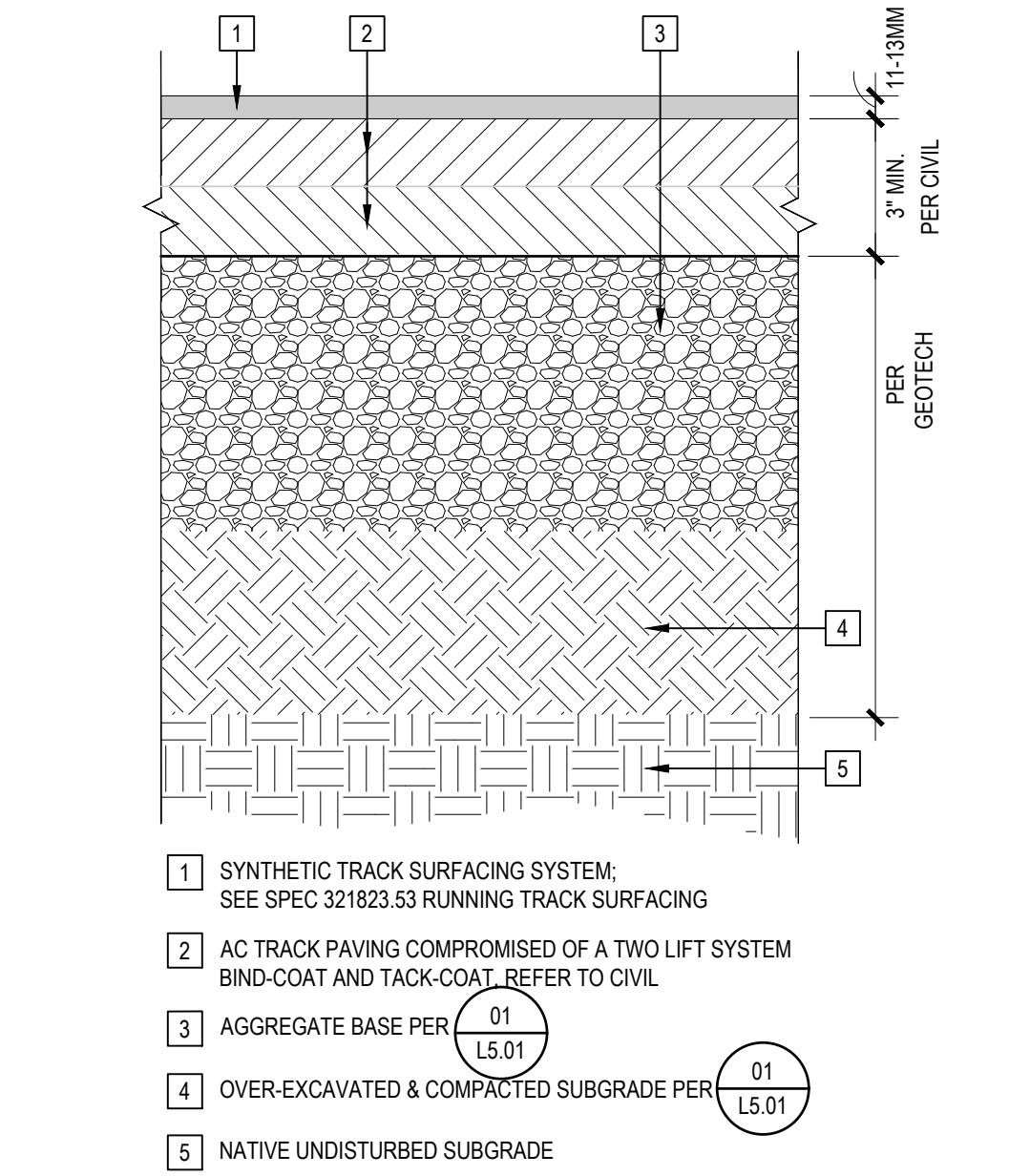
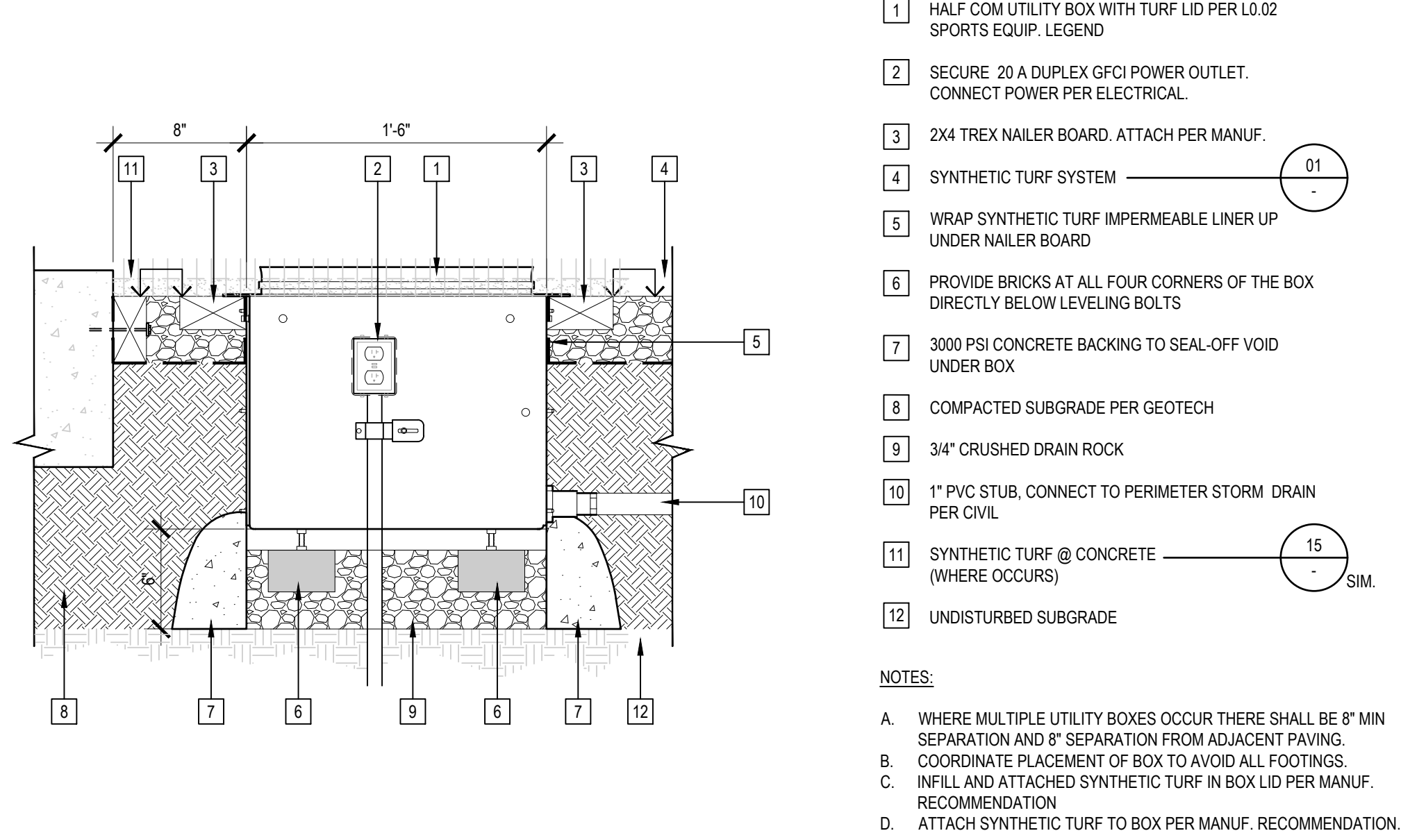
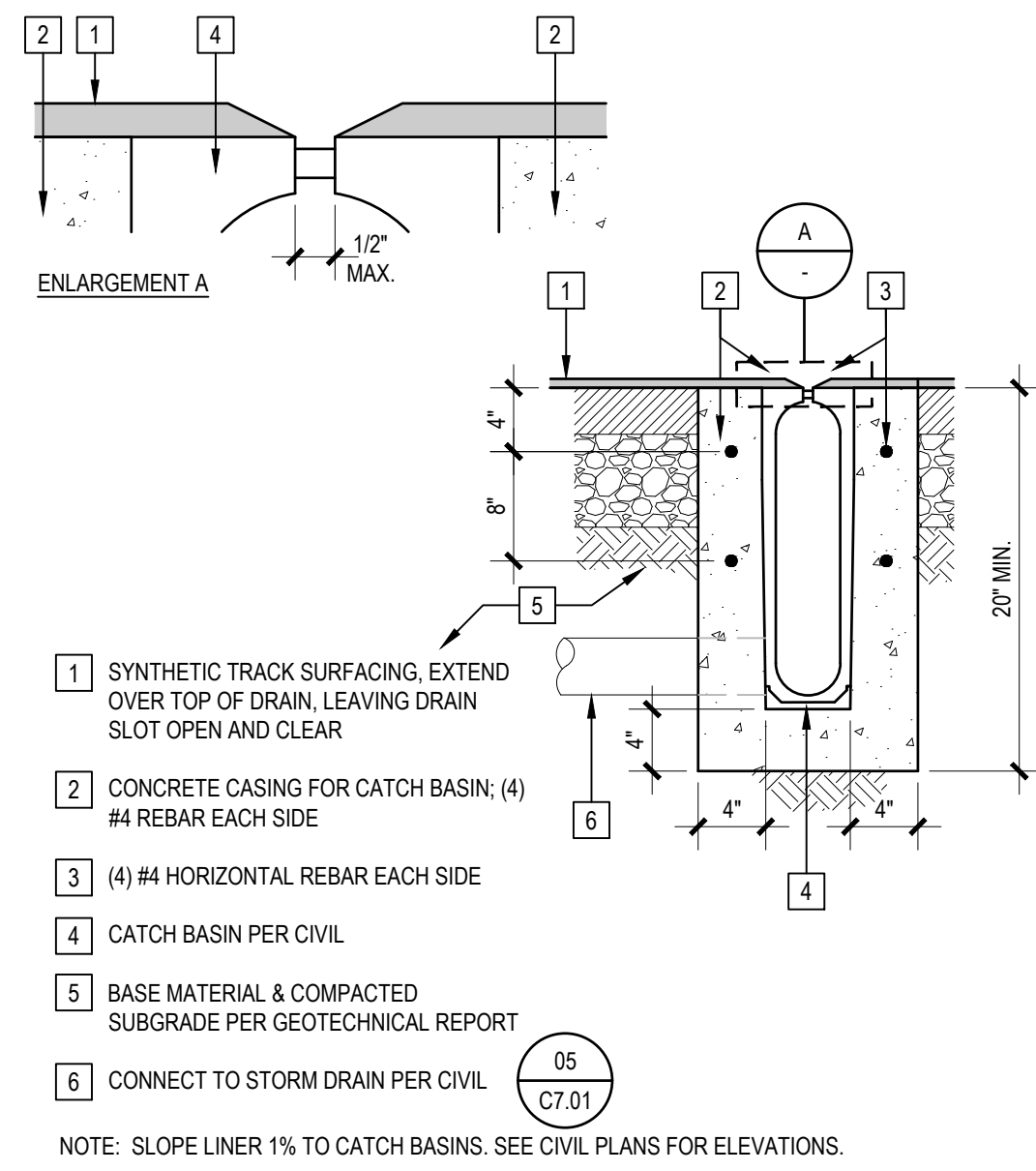
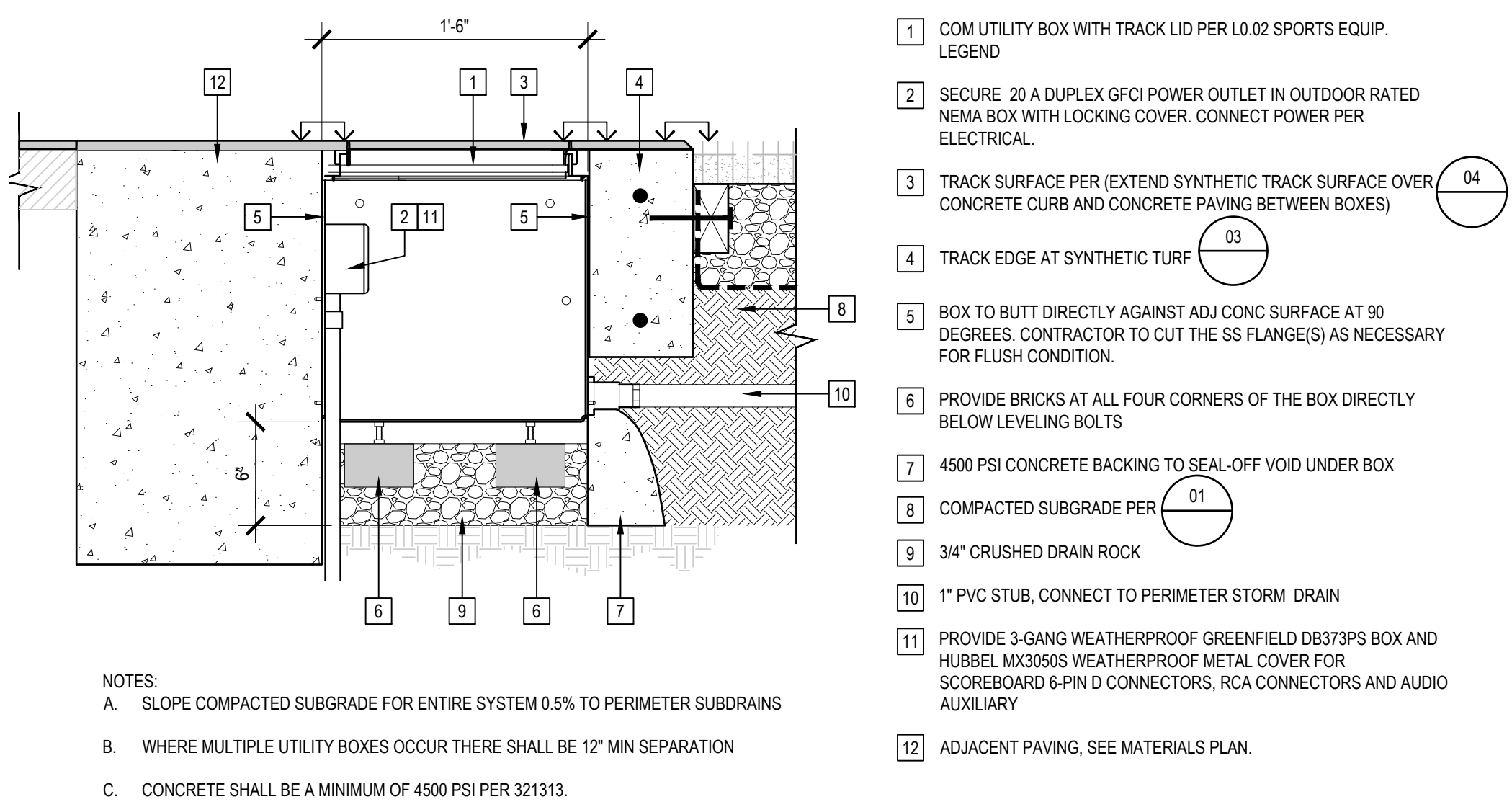


CONCRETE CHEEK WALLS AT STAIRS 3/4" = 1'-0" 02



CONCRETE STAIRS 3/4" = 1'-0" 01

Date	
Revision	
Submit	100% SCHEMATIC DESIGN 12/10/2024
Submit	50% CONSTRUCTION DOCUMENTS 07/24/2025
Submit	100% CONSTRUCTION DOCUMENTS 08/01/2025
Submit	DSA BACKCHECK 11/03/2025
Submit	DSA BACKCHECK 03/10/2026
Submit	DSA BACKCHECK 07/01/2026
Job Number	32321
Checked By	AW/MM
Scale	AS NOTED

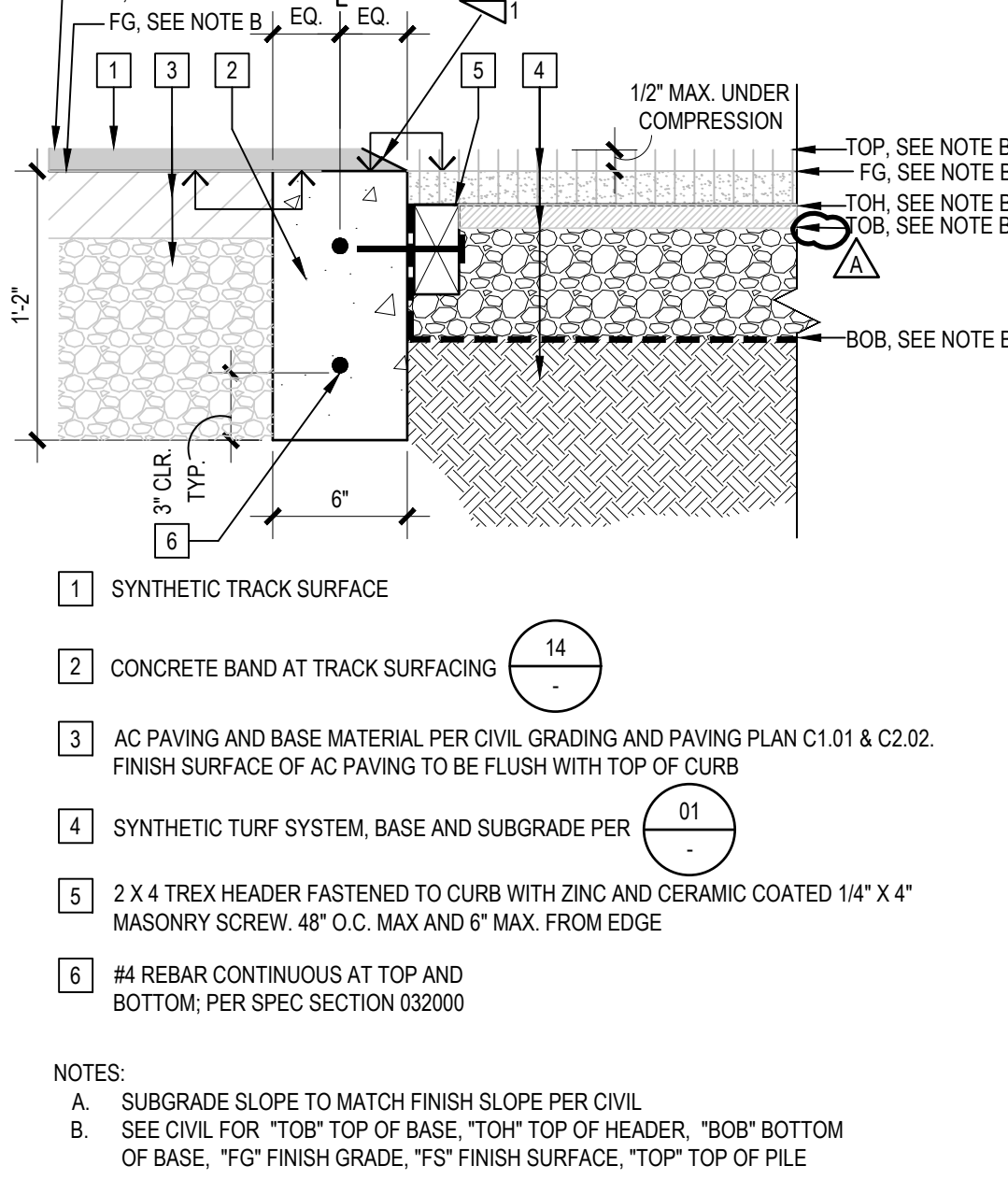
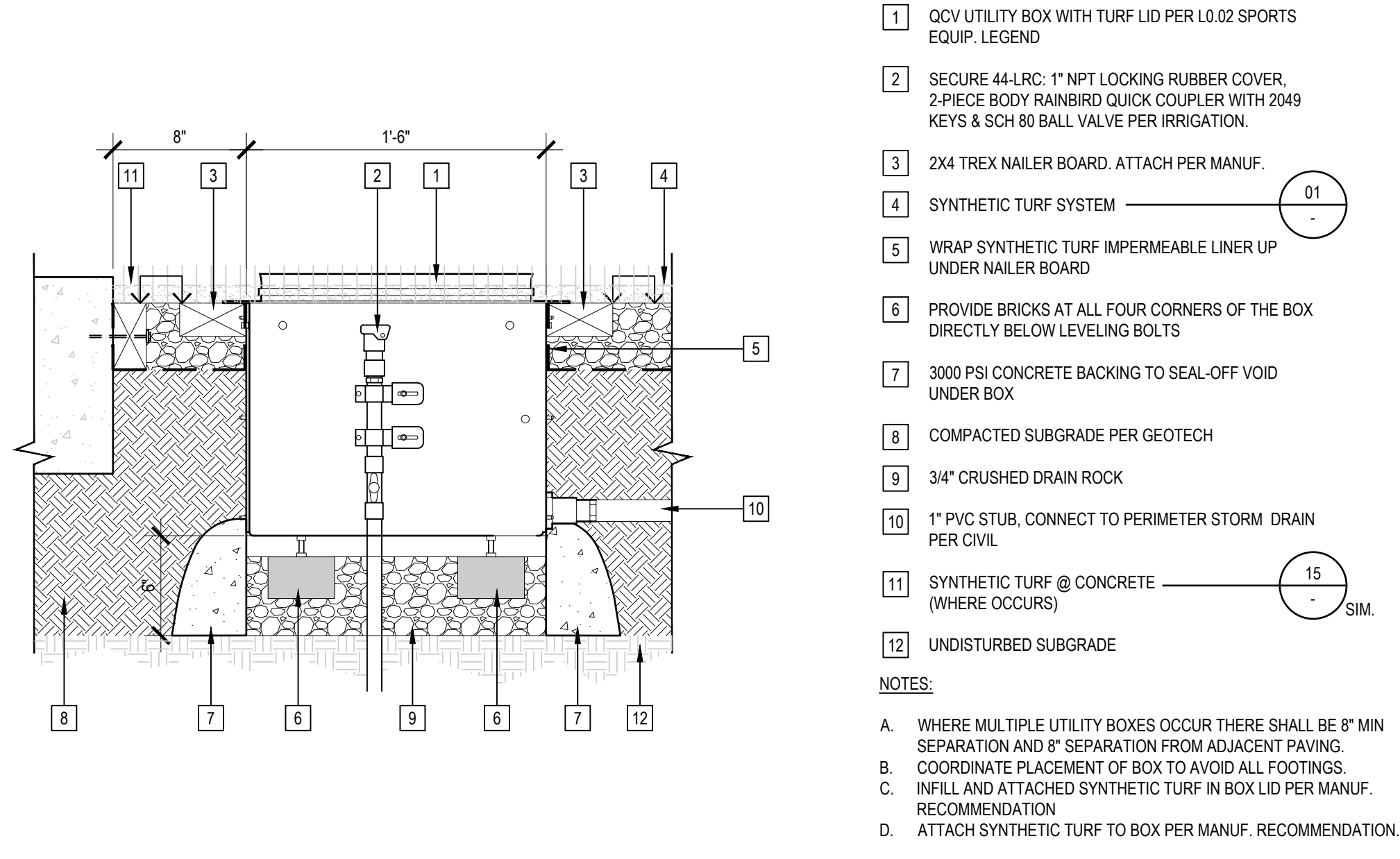
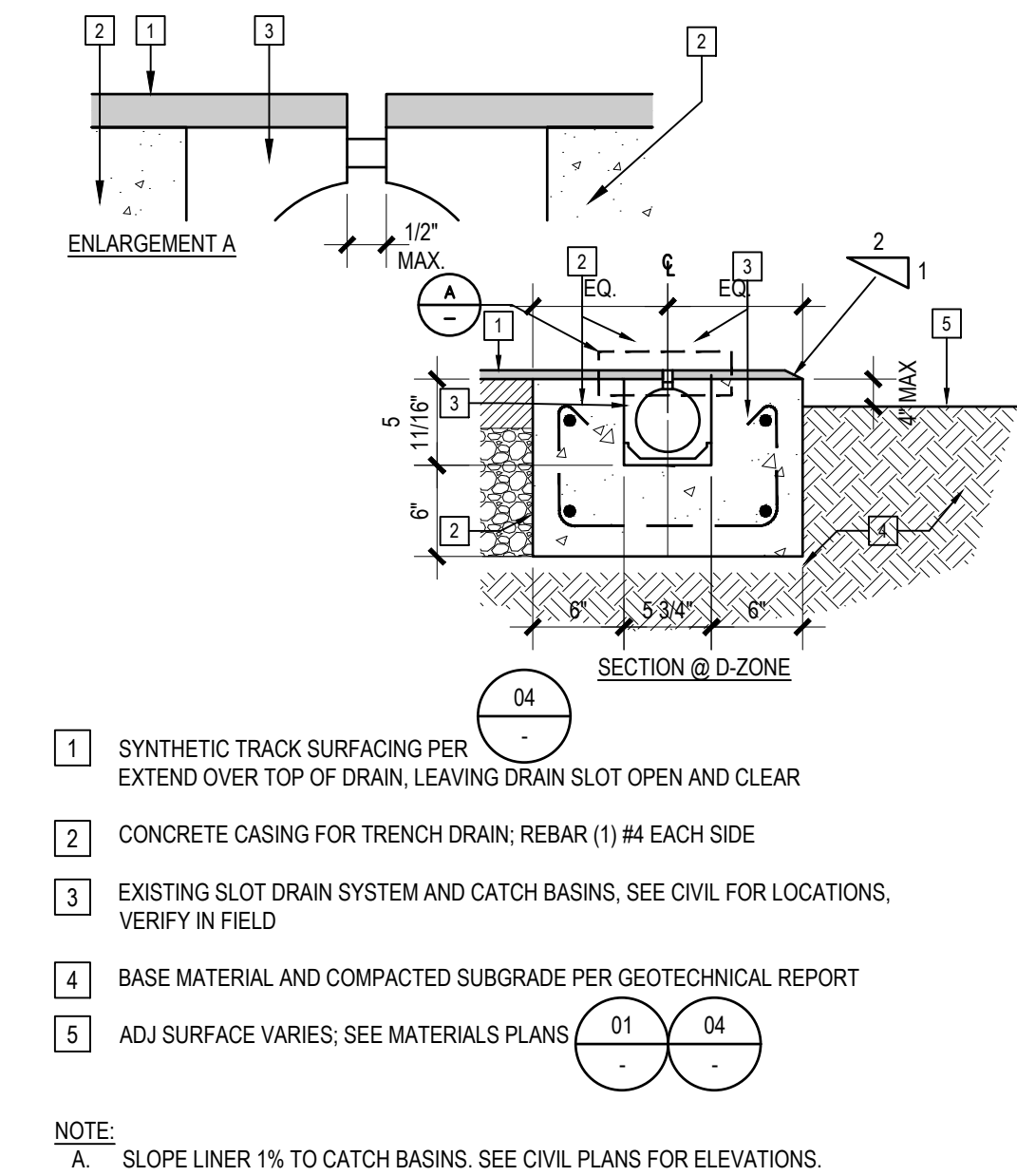
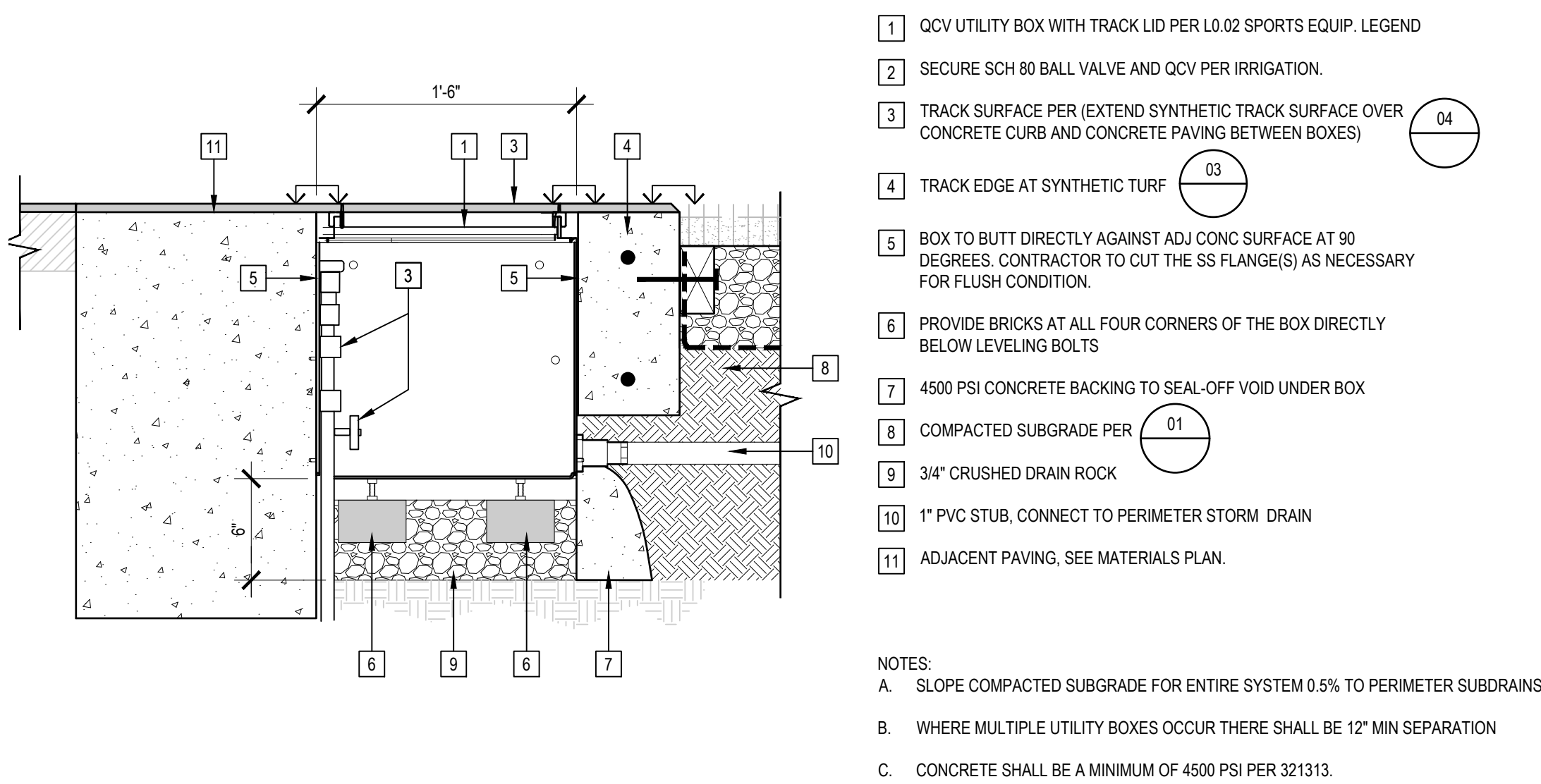


TRACK SURFACING AT UTILITY BOX - COM 1 1/2" = 1'-0" 20

SLOT DRAIN CATCH BASIN @ TRACK 1" = 1'-0" 16

SYNTHETIC TURF UTILITY BOX - HALF COM 1 1/2" = 1'-0" 08

RUBBERIZED TRACK SURFACING 3" = 1'-0" 04

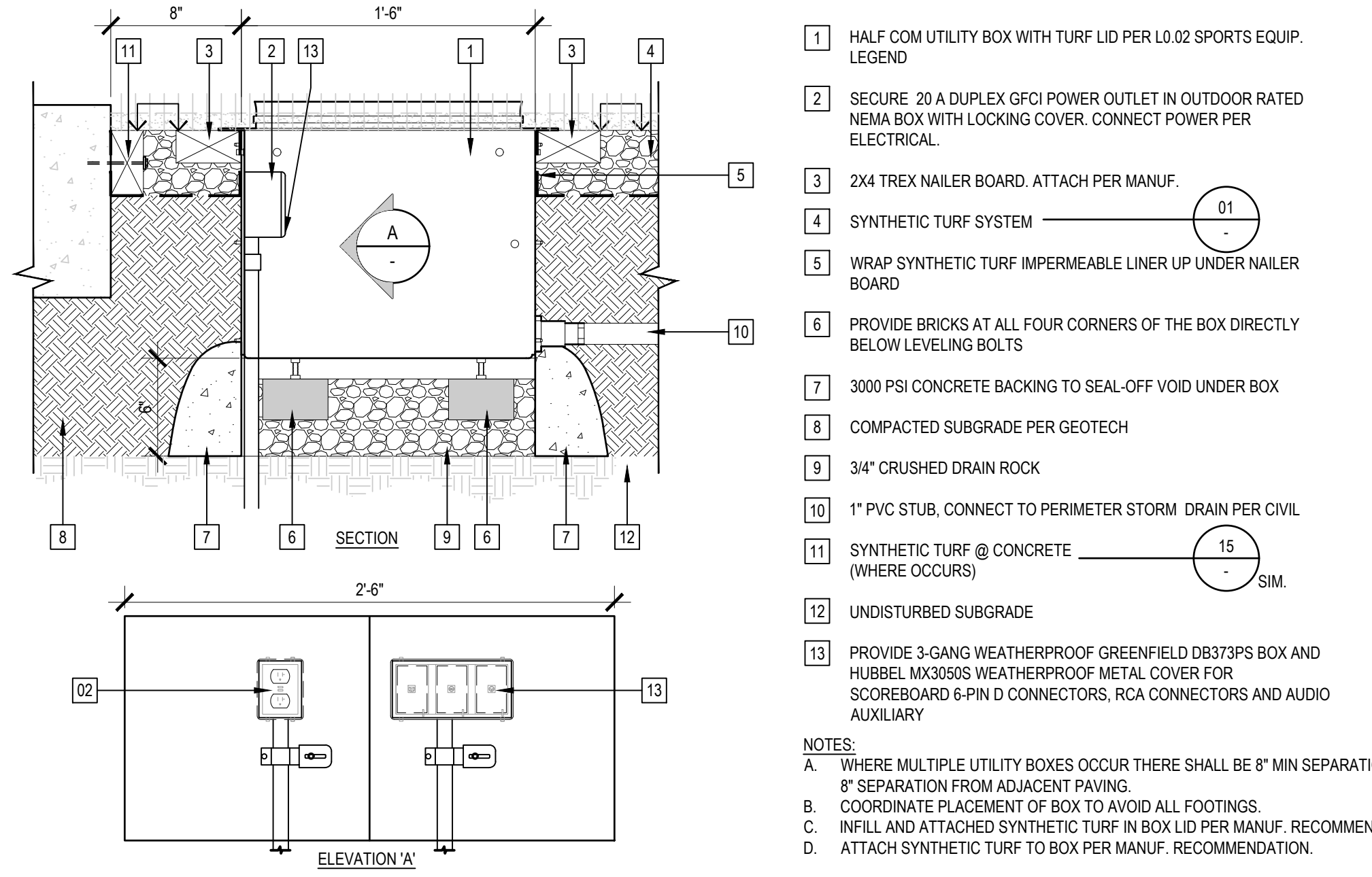
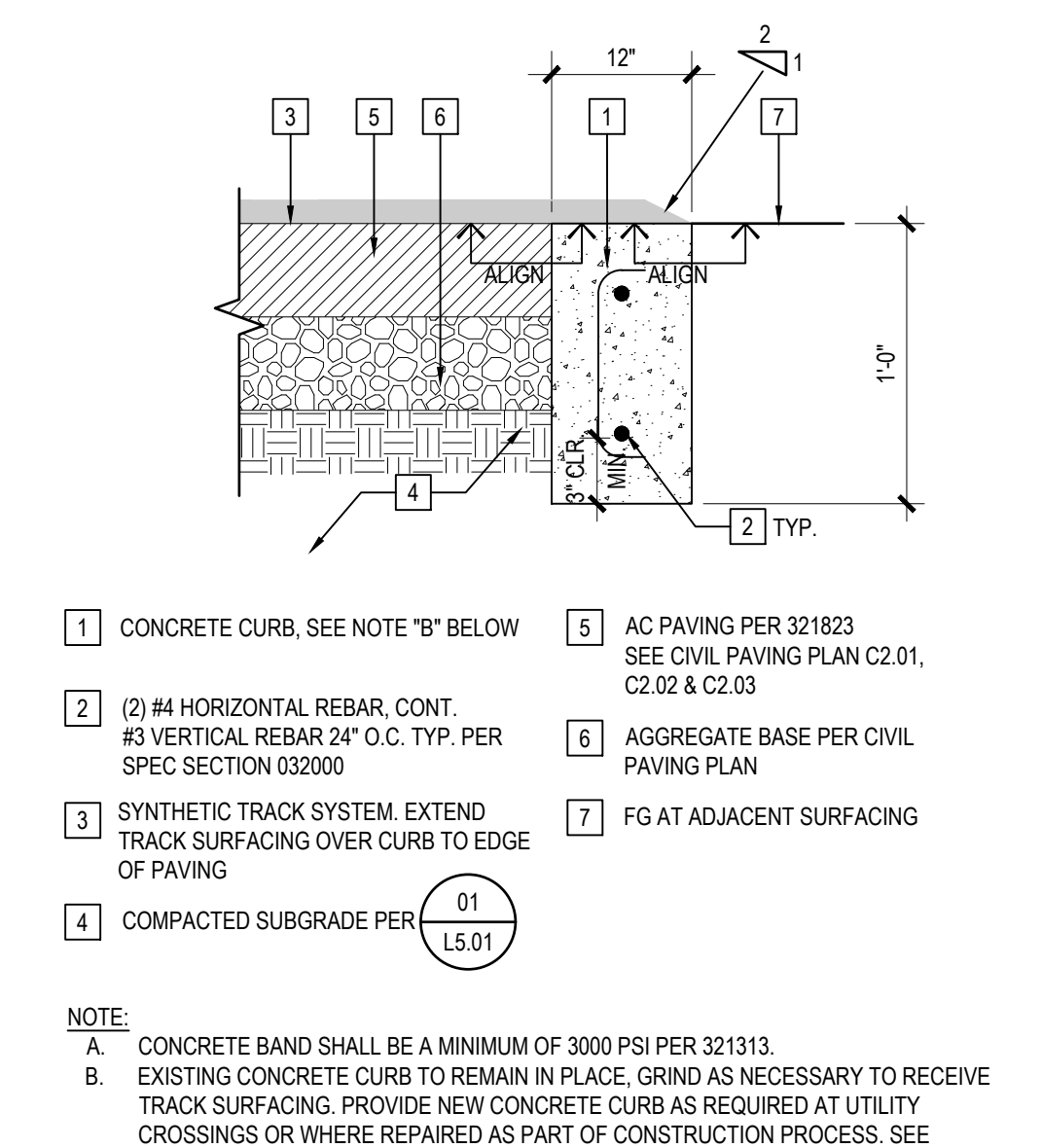
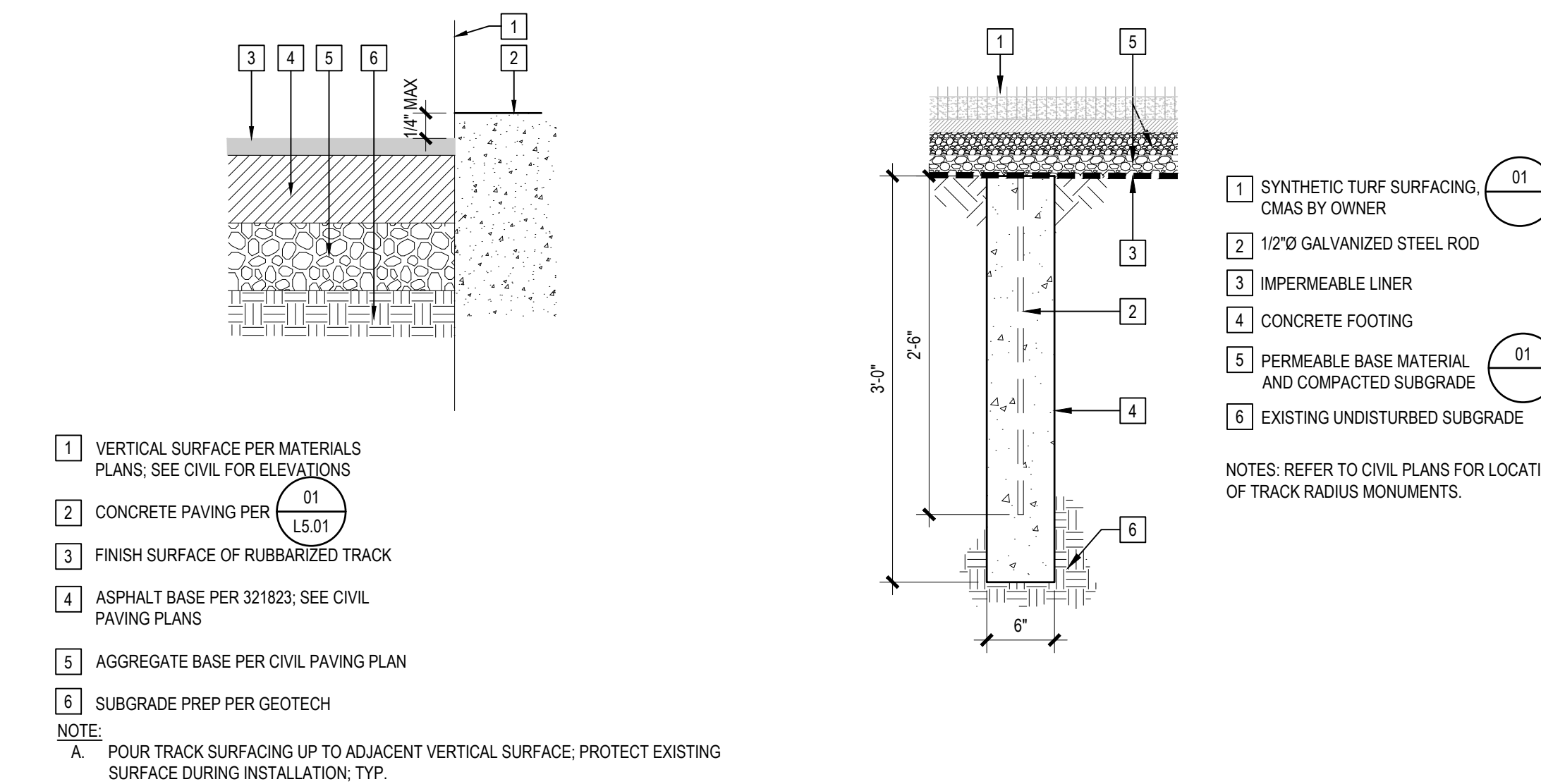


TRACK SURFACING AT UTILITY BOX - QCV 1 1/2" = 1'-0" 19

SLOT DRAIN @ TRACK 1" = 1'-0" 15

SYNTHETIC TURF UTILITY BOX - QCV 1 1/2" = 1'-0" 07

CURB AT D-ZONE 1 1/2" = 1'-0" 03

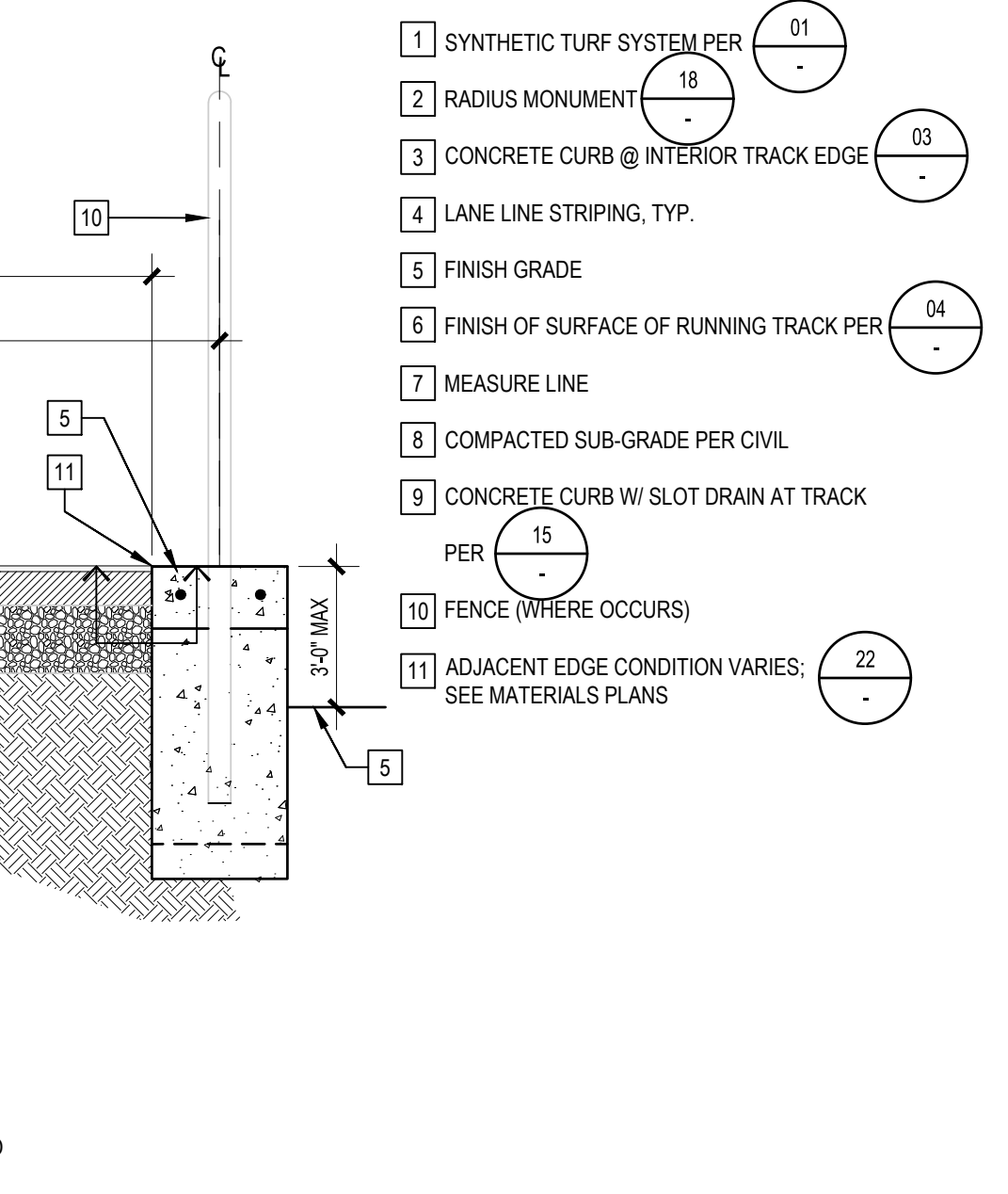
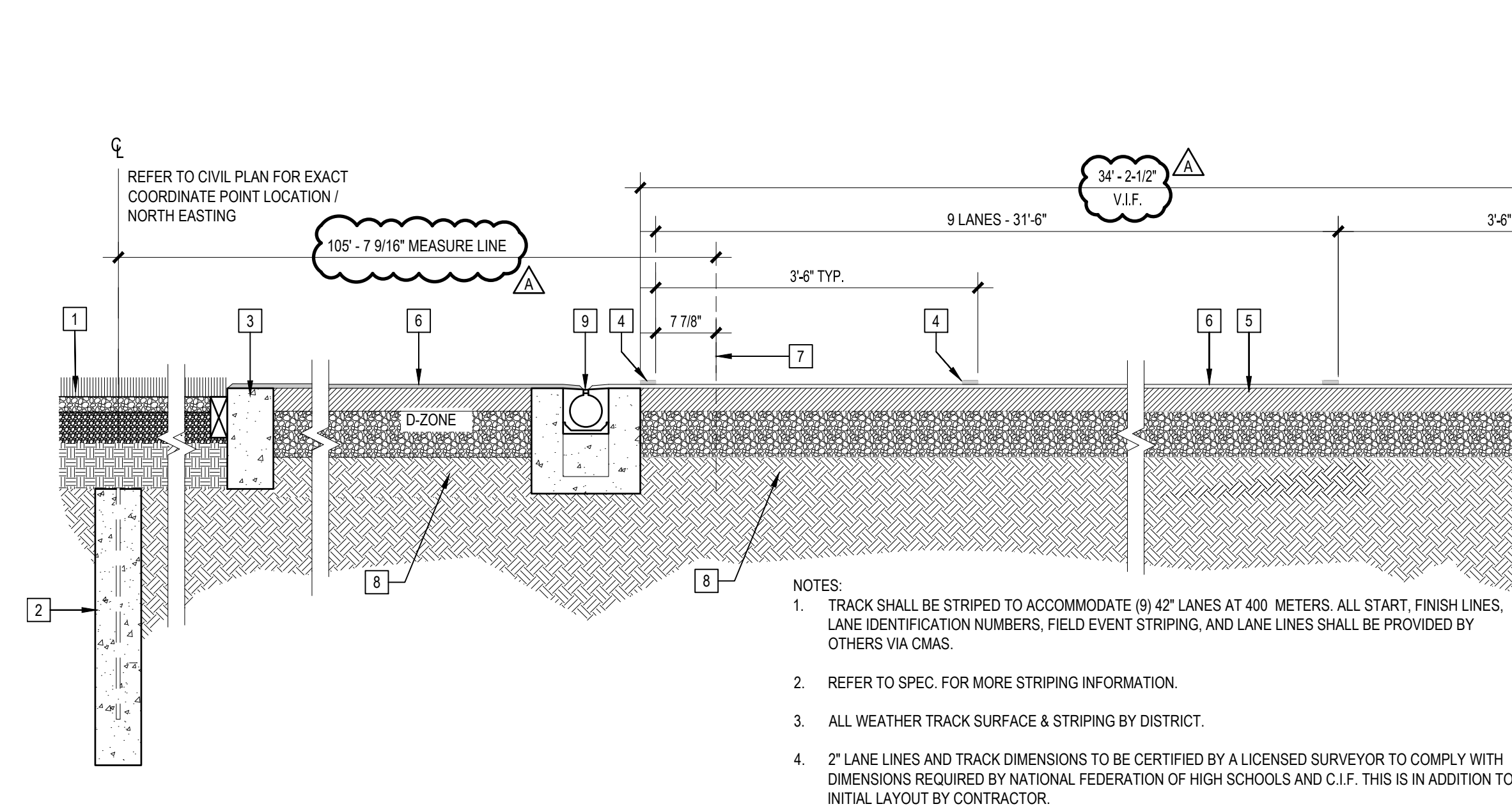


EXT. TRACK @ VERT. SURFACE 1 1/2" = 1'-0" 22

CONCRETE RADIUS MONUMENT 1" = 1'-0" 18

CONC. BAND AT TRACK SURFACING 1 1/2" = 1'-0" 14

SYNTHETIC TURF UTILITY BOX - FULL COM 1 1/2" = 1'-0" 06

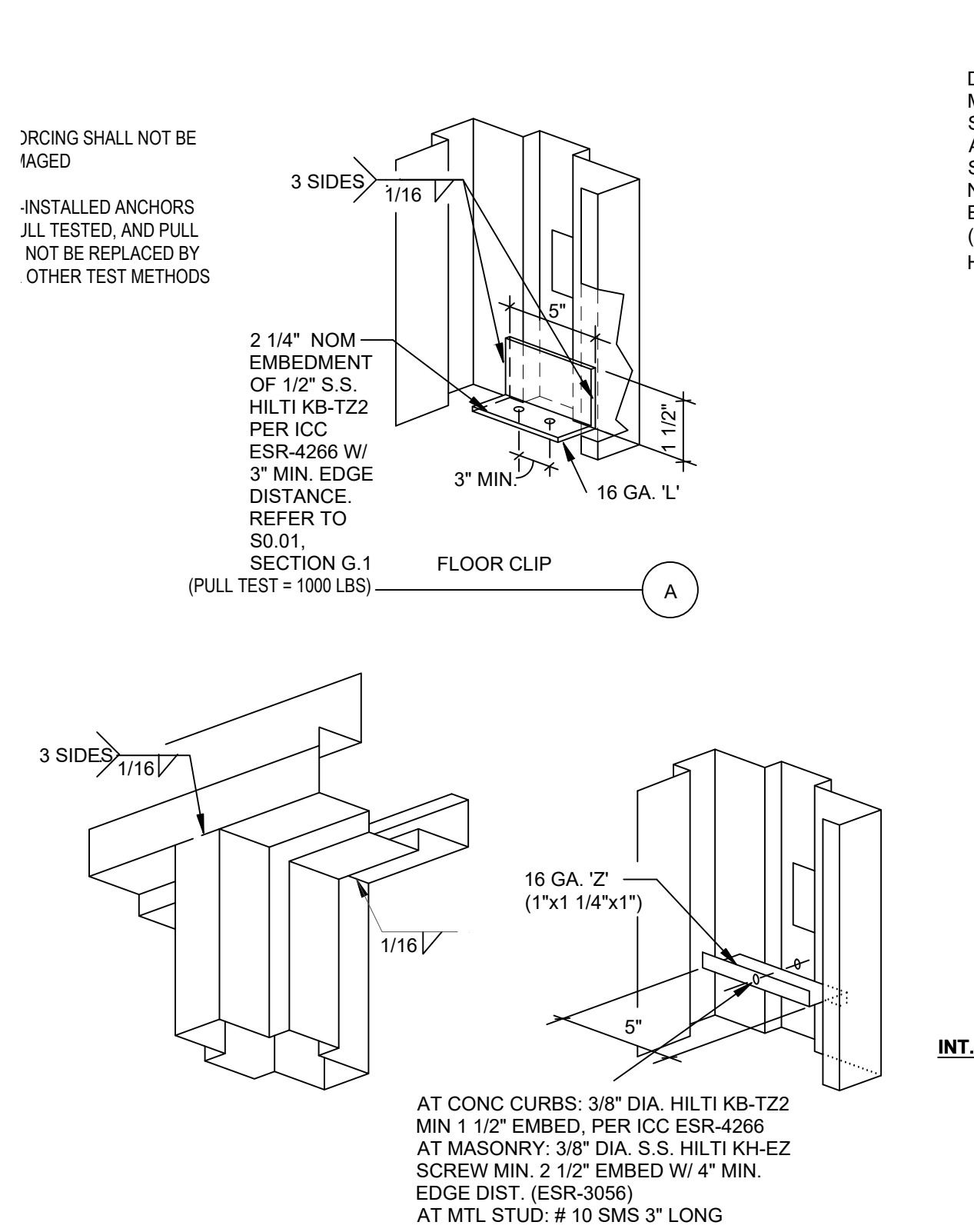


TRACK STRIPING SECTION 3/4" = 1'-0" 13

PERIMETER DRAIN @ SYNTHETIC TURF 1" = 1'-0" 05

SYNTHETIC TURF SYSTEM 1 1/2" = 1'-0" 01

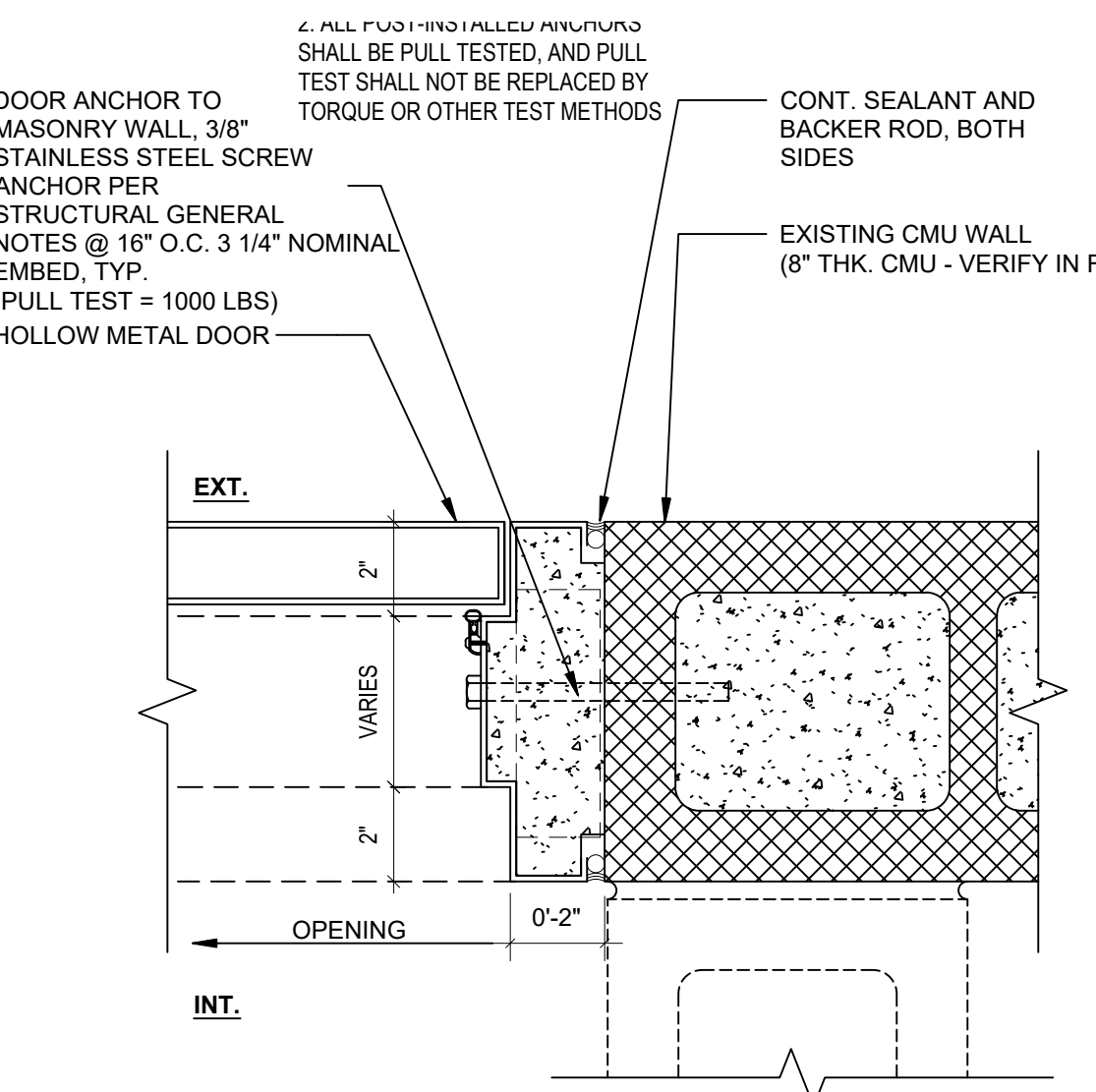
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2	07/24/2025	50% CONSTRUCTION DOCUMENTS
3	08/01/2025	100% CONSTRUCTION DOCUMENTS
4	11/03/2025	DSA BACKCHECK
5	03/10/2026	DSA BACKCHECK
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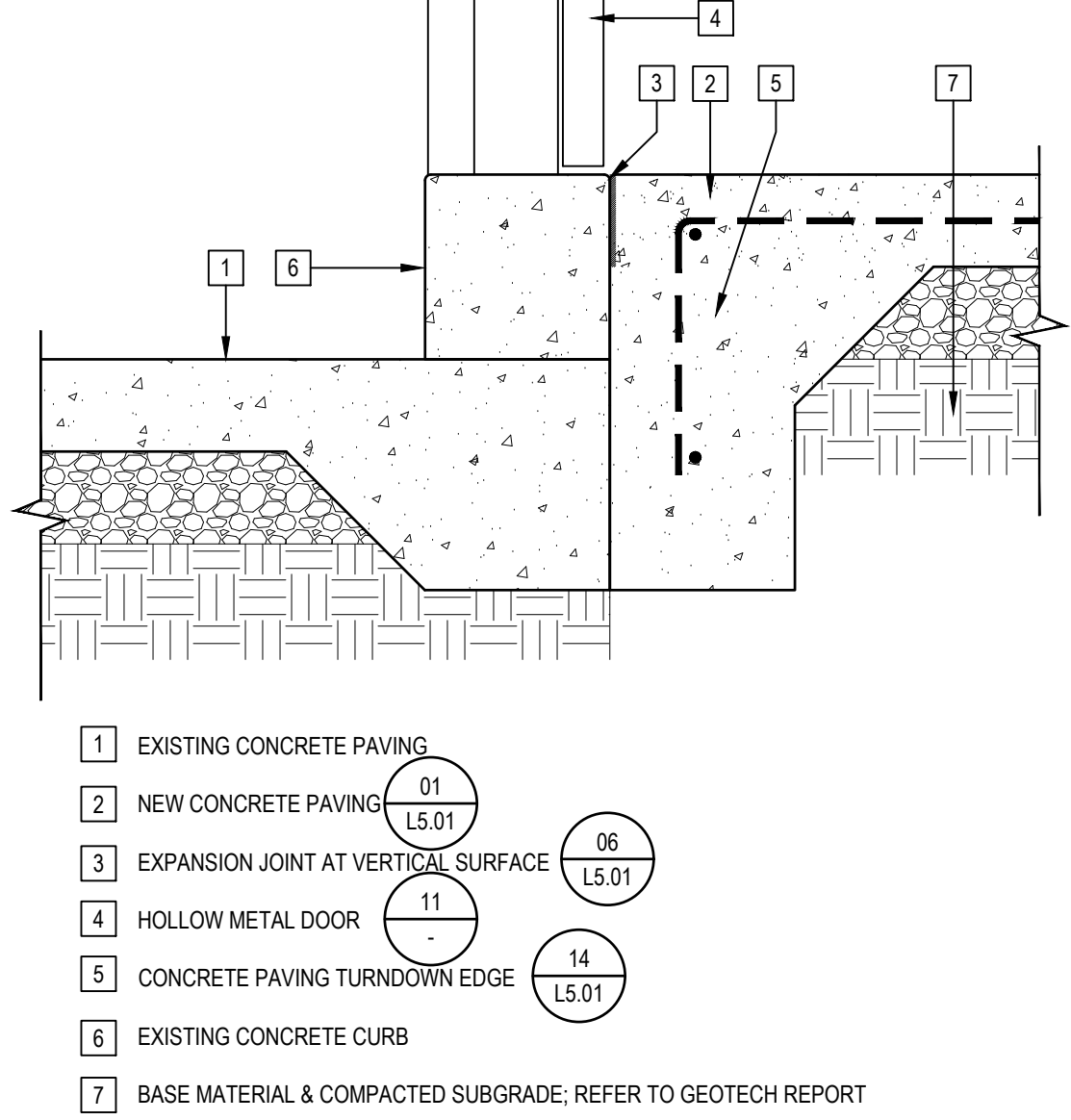
NOTES

- REFER TO PROFILES.
- ALL HOLLOW METAL FRAME/JAMBS SHALL BE CUT FOR STANDARD UNIT LOCK STRIKES 3/4\"/>

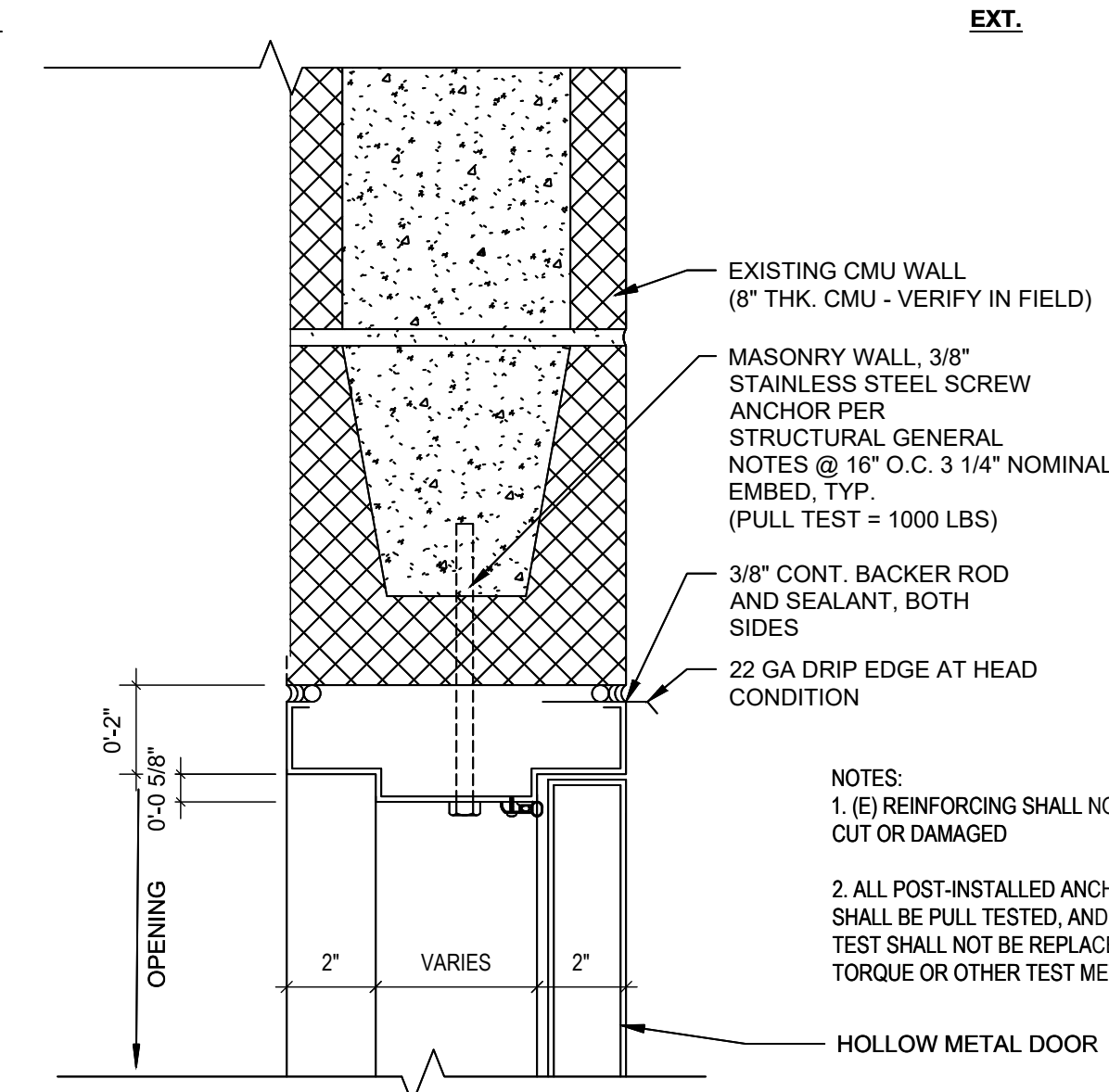
H.M. DOOR AND FRAME 1\"/>



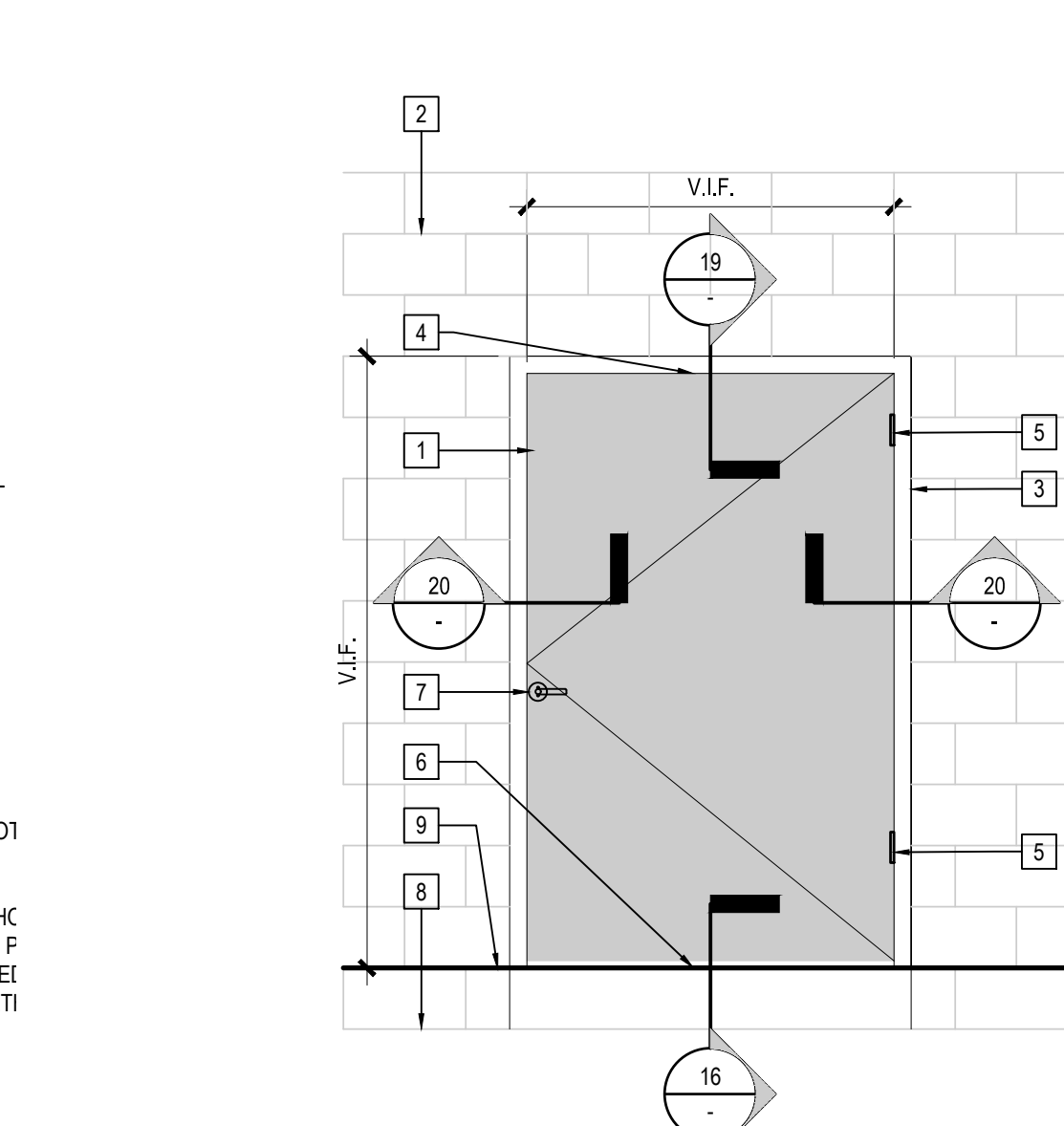
H.M. DOOR JAMB 1\"/>



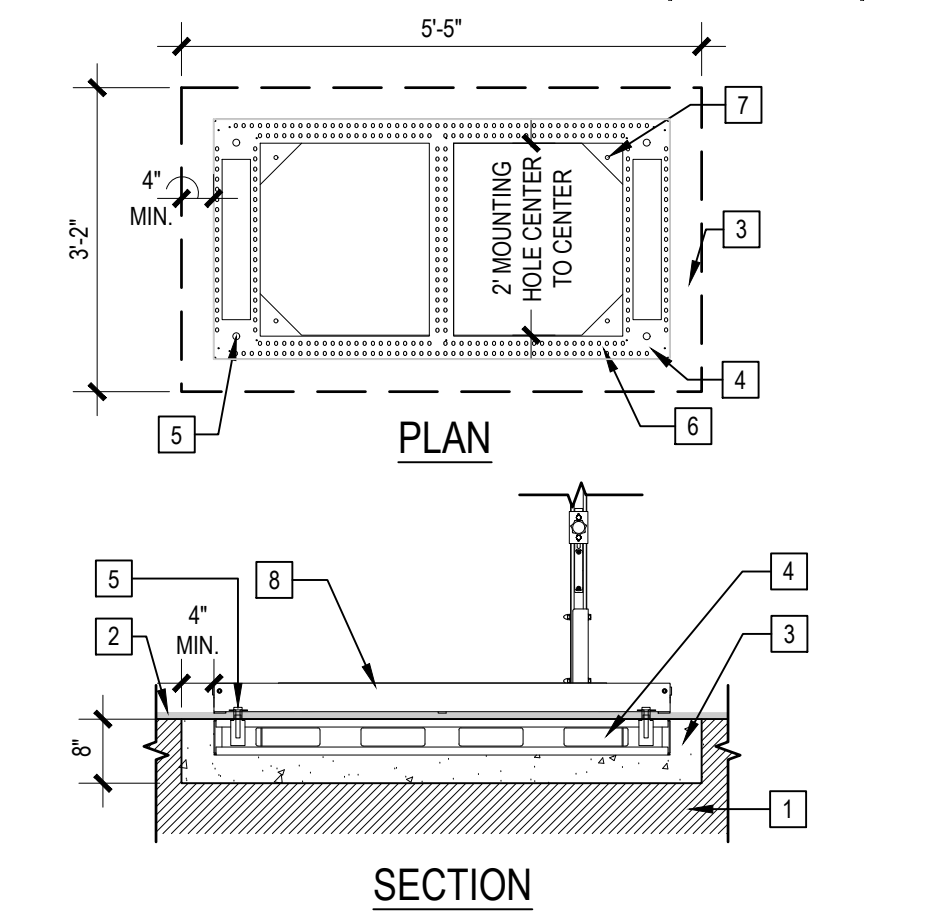
EXT. H.M. DOOR THRESHOLD 1 1/2\"/>



H.M. DOOR HEAD 1\"/>

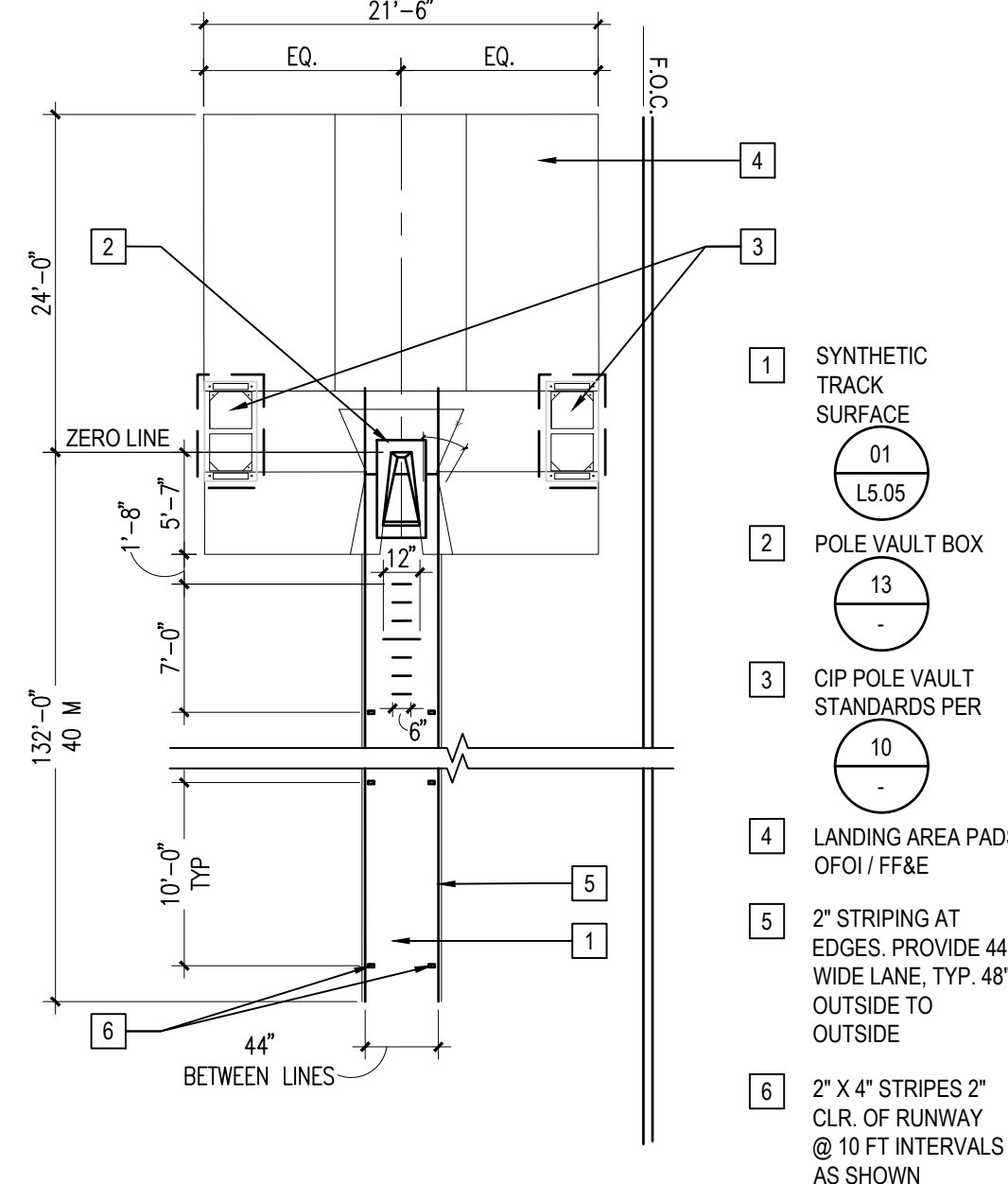


HOLLOW METAL EXTERIOR RATED DOOR 1 1/2\"/>



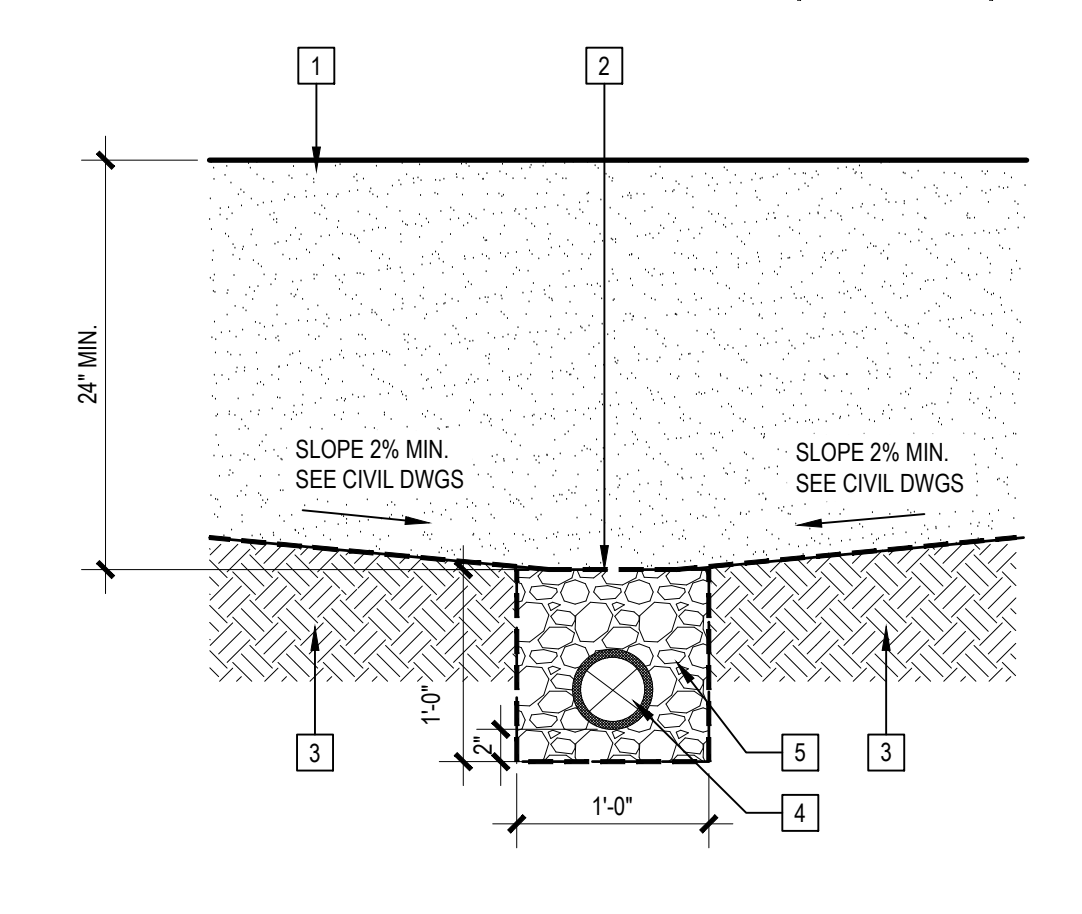
- ASPHALT
- SYNTHETIC TRACK SYSTEM
- CONCRETE BASE
- POLE VAULT STANDARD FORMING SYSTEM
- (4) 3/8-16 X 2.00\"/>

POLE VAULT FORMING SYSTEM 1 1/2\"/>



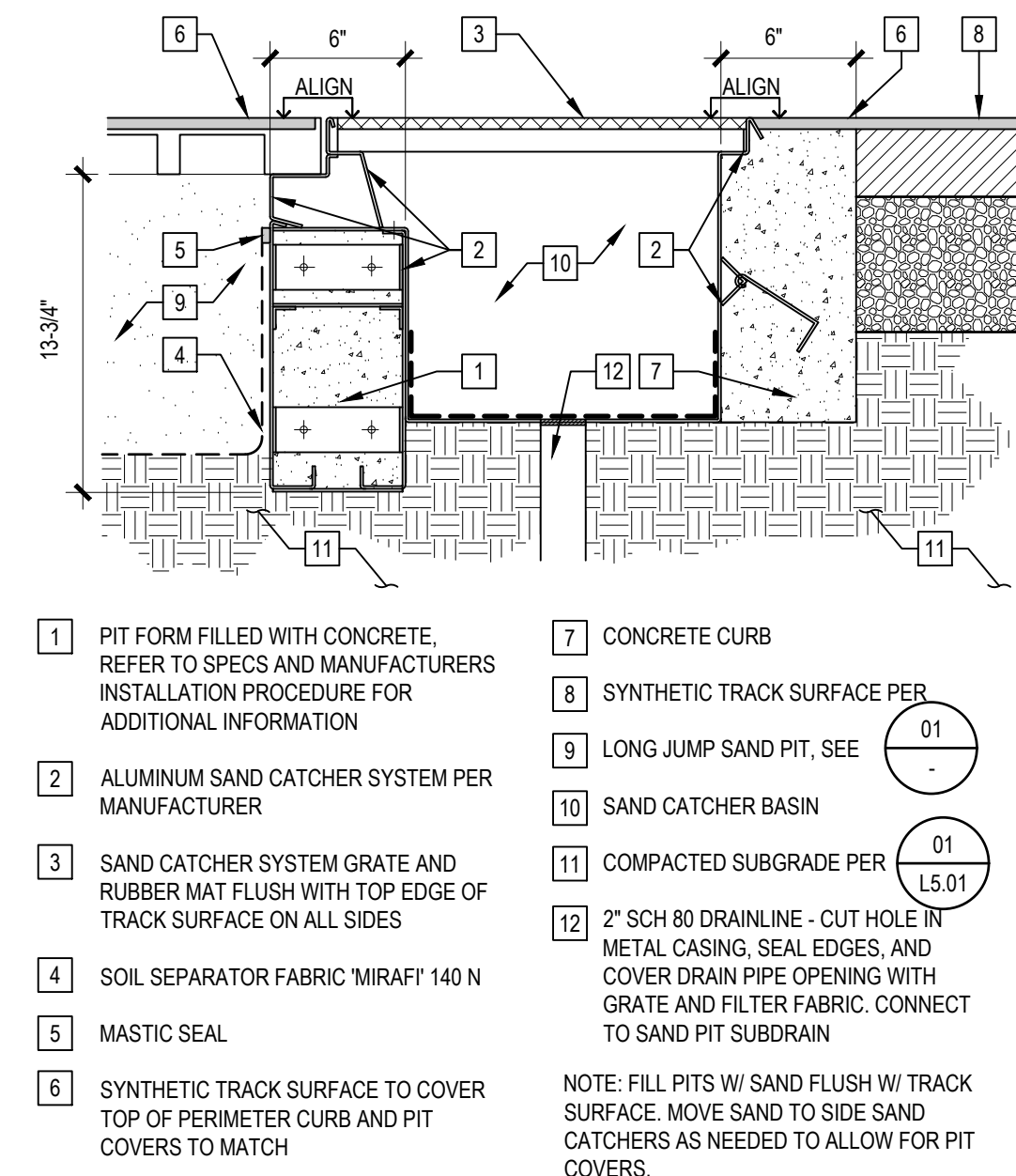
POLE VAULT LAYOUT 1 1/2\"/>

LONG JUMP / TRIPLE JUMP TAKEOFF BOARD 1\"/>

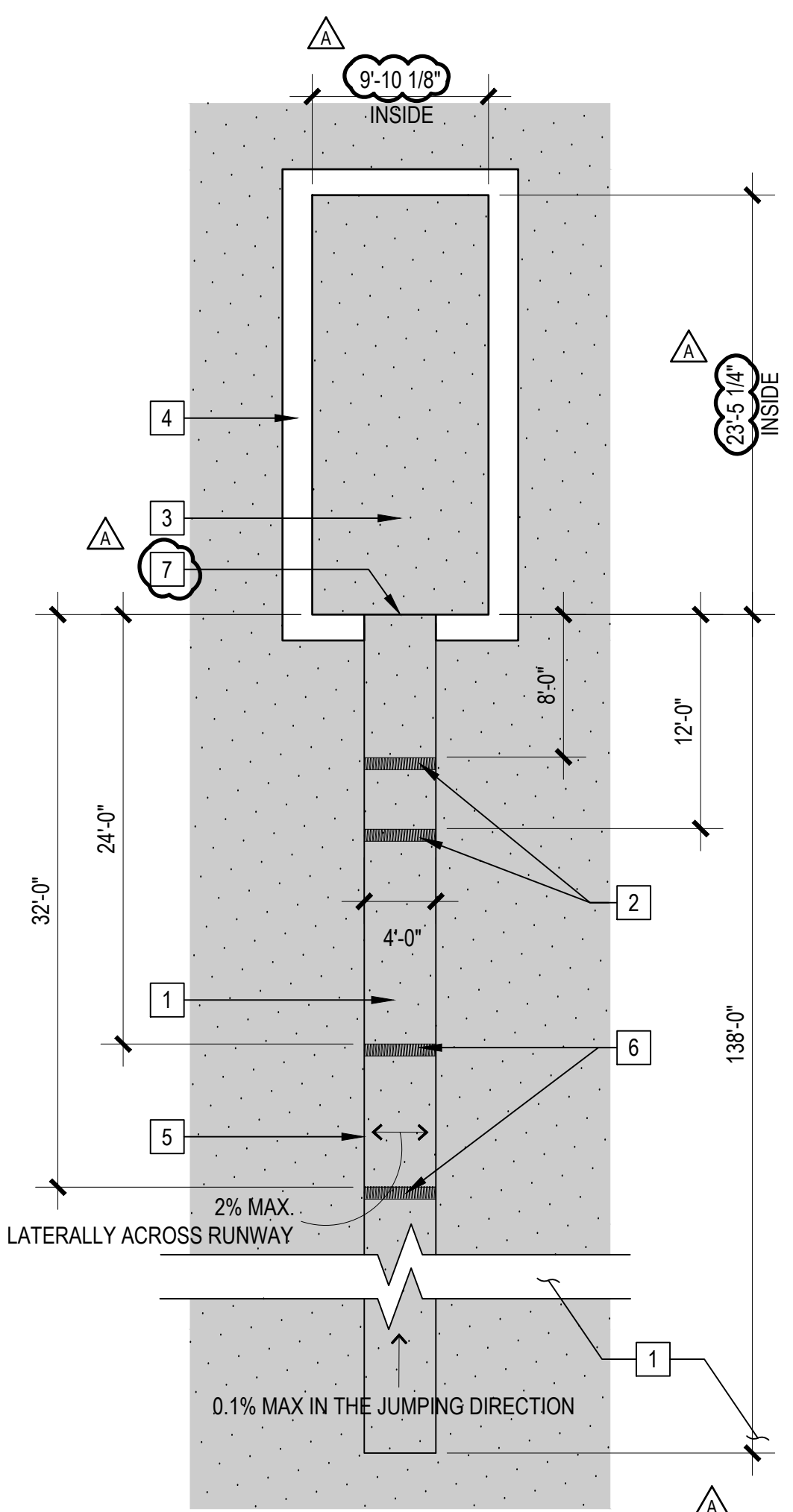


- SAND (NO CLAY OR SILT). REFER TO SPEC, 2MM MAX. PARTICLE SIZE
- NON WOVEN FILTER FABRIC MRAFI 140N
- COMPACTED SUBGRADE PER
- 4\"/>

LONG JUMP TRIPLE JUMP PIT DRAINAGE 1\"/>



LONG JUMP TRIPLE JUMP SAND CATCHER SYSTEM 1 1/2\"/>



- RUBBERIZED TRACK SURFACE
- LONG JUMP / TRIPLE TAKE OFF BOARD
- LONG JUMP BASIN
- LONG JUMP SAND TRAP
- 2\"/>

LONG JUMP /TRIPLE JUMP LAYOUT 1/8\"/>

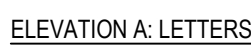
VENTURA HIGH SCHOOL TRACK AND FIELD REPLACEMENT AND BLEACHER UPGRADES

2 NORTH CATALINA STREET
VENTURA, CA 93001

Developed for
VENTURA UNIFIED SCHOOL DISTRICT

Revision	Date	By	Check By
ADDENDUM A	08/14/2026		
1	12/10/2024	AW	MM
2	07/24/2025	AW	MM
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CONSTRUCTION DETAILS



- ## NOTES

D. ALL COMPONENTS AND EXPOSED HEADS OF

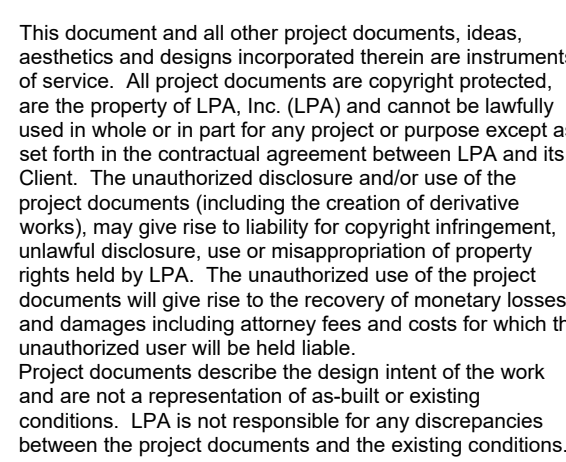
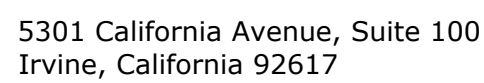
METAL LETTERS



- ## SOCCER LAYOUT AT STADIUM FIELD

- ## NOTES

06	07	08	19	20
L5.05	L5.05	L5.05	L5.05	L5.05



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- NOTES:**
A. VERIFY ALL FOOTING AND ATTACHMENT DETAILS WITH MANUFACTURER

B. REFER TO MANUFACTURER'S DETAILS AND INSTALLATION INSTRUCTIONS FOR MORE INFORMATION.

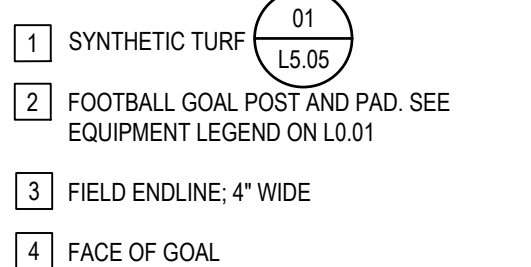
C. DO NOT WELD ANY ALUMINUM TO STEEL

D. WHEN ATYPICAL MATERIALS ARE USED, PROVIDE PROPER INSULATION TO PREVENT DIRECT CONTACT OF ATYPICAL MATERIALS.

E. CONNECT 1" PVC DRAIN STUB FOR POSITIVE FLOW TO SUBSURFACE DRAINAGE SYSTEM
SEE CIVIL PLANS FOR CONNECTION.

F. REFER TO SFPC SHEETS (PC 04-122813)

GOAL POST ACCESS BOX

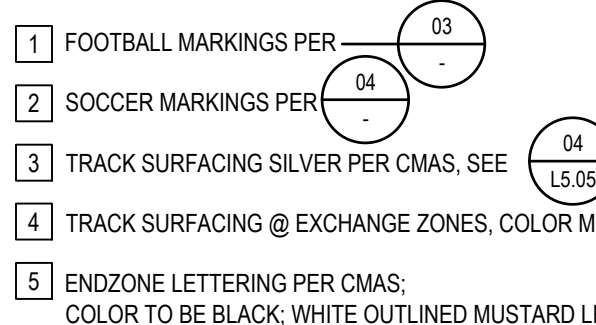


NOTE:

- A. SEE MFR'S DETAILS AND INSTALLATION INSTRUCTIONS FOR MORE INFORMATION.
- B. CONTRACTOR TO COORDINATE SEQUENCE OF FOOTING PLACEMENT WITH GEOTECHNICAL REPORT
- C. SET FACE OF UPRIGHT 360' APART
- D. REFER TO SFPC SHEETS (PC 04-122813)

D. REFER TO SFPC SHEETS (PC 04-122813)

FOOTBALL GOAL POST



- | | |
|---|--|
| 6 | SCHOOL LOGO PER CMAS |
| 7 | SIDELINE LETTERING PER CMAS;
COLOR TO BE WHITE WITH MUSTARD OUTLINE |
| 8 | 3H TRACK LANE LETTERING "VENTURA HIGH SCHOOL" |
| 9 | FLAG FOOTBALL MARKINGS; COLOR TO BE MUSTARD |

- | | | |
|----|--|-------------|
| 10 | HIGH JUMP RUNWAY AREA AND LANDING MAT ZONE | |
| 11 | TRIPLE JUMP RUNWAY AND LANDING | 01
L5.06 |
| 12 | DISCUS CAGE AND PAD | 01
L5.08 |
| 13 | POLE VAULT RUNWAY AND LANDING AREA | 09
L5.06 |
| 14 | CONCRETE RADIUS MONUMENT | |

NOTES

1. TRACK SHALL BE STRIPED TO ACCOMMODATE (9) 42" LANES AT 400 METERS. ALL START, FINISH LINES, LANE LINES, LANE IDENTIFICATION NUMBERS, AND FIELD EVENT STRIPING SHALL BE FURNISHED AND INSTALLED BY THE DISTRICT VIA CMAS.

2. SYNTHETIC TURF AND ALL-WEATHER T
FURNISHED AND INSTALLED BY DISTRICT

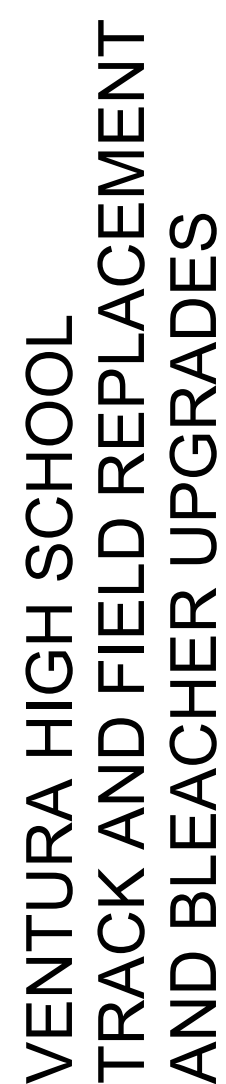
3. FOR TRACK SURFACING LAYOUT, MANUFACTURING, AND
DRAWINGS FOR REVIEW

4. ALL DIMENSIONS ARE INSIDE TO INSIDE

5. ALL FIELD LINES ARE TO BE 4" SHEARED-IN LINES AND SHALL BE PER NFHS STANDARDS. ALL DIMENSIONS ARE INSIDE TO INSIDE. VENDOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.

6. SYNTHETIC TURF SURFACING TO BE MOW PATTERN OF LIGHT AND DARK GREY EVERY 10 YARDS.

TRACK AND FIELD STRIPING AND LOGOS



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VENTURA, CA 93001

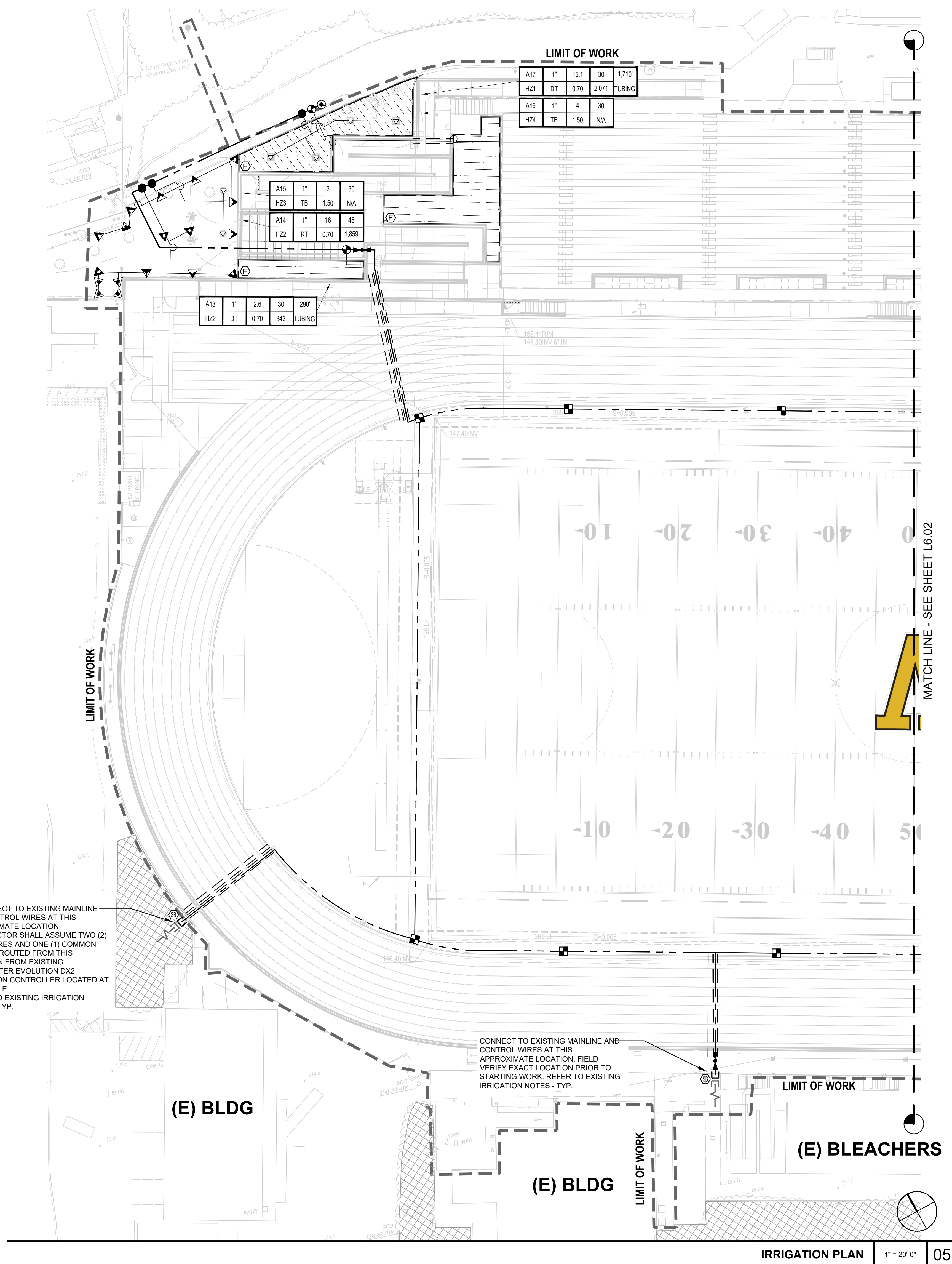
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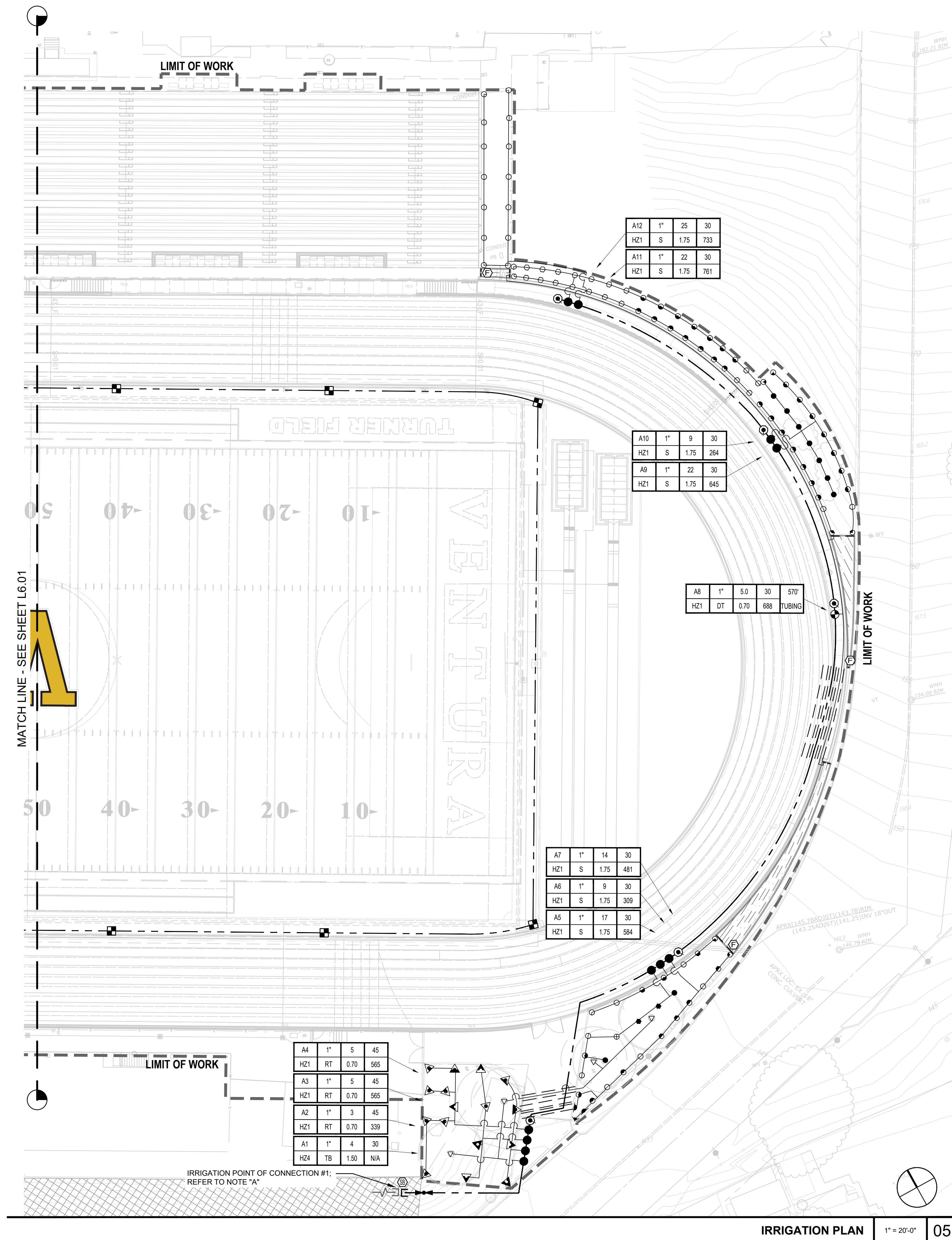
Submittal	Date
100% SCHEMATIC DESIGN	12/10/2024
100% DESIGN DEVELOPMENT	04/11/2025
50% CONSTRUCTION DOCS	07/24/2025
100% CONSTRUCTION DOCS	09/01/2025
DSA BACKCHECK	11/03/2025
DSA BACKCHECK	03/10/2026
DSA BACKCHECK	07/01/2026

Job Number	32321
Checked By	AW,MM
Scale	AS NOTED

CONSTRUCTION DETAILS

L5.07





AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY SPECIFIED AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.

THE DETAILS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE DISCREPANCIES BETWEEN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.

NO ELECTRICAL OR ARCHITECTURAL PLANS 3 BEFORE BEGINNING WORK.

PERMITS REQUIRED TO PERFORM THE WORK 4 INDICATED HEREIN BEFORE BEGINNING WORK.

NO SHOW IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN THE CURB.

ALL EQUIPMENT COMPENSATING AS SHOWN ON THE PLANS 6 WHEN IT IS OBVIOUS IN THE FIELD THAT THE DETAILS AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR CORRECTION NECESSARY BY THE OWNER.

INSTALLATION DETAILS AND SPECIFICATIONS. CONTRACTOR 7 SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CODES AND STANDARDS FOR ALL EQUIPMENT AND INSTALLATION.

THE BACKFLOW PREVENTER AND THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

PULL WIRE FROM CONTROLLER ALONG ENTIRETY OF MAIN LINE TO THE LAST RCV ON EACH AND END AT BOTH ENDS.

EAVE IN SLEEVING TWICE THE DIAMETER OF THE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER GRADE MUST BE EAVED TO THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITHIN 10' OF DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.

SLEEVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLERS TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND ELBOWS TO BE USED TO ESCAPE.

NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERWATERING AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR NOZZLES TO AVOID OVERWATERING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIIUS OF ARC UNITS.

GROUNDING TECHNIQUES FOR GROUNDING THE 13 CONTROLLER AND RELATED EQUIPMENT PER LOCAL AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONE ANNUALLY, TO VERIFY WITH MANUFACTURER SPECIFICATIONS.

CHECK VALVES TO HEADS AND LATERALS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.

Q	T	H	F	MANUFACTURER	MODEL NO. / DESCRIPTION	FLOW RATE (GPM)	PSI	RADIUS	PR. RATE	DETAIL
				RAIN BIRD	RD12-S-P30-F 12" POP-UP SHRUB HEAD WITH SQSH NOZZLES	10, 20	30	5 FT	1.78 IN./HR.	A
				RAIN BIRD	RD12-S-P30-F 12" POP-UP SHRUB HEAD WITH 8 SERIES HE-VAN ADJUSTABLE ARC NOZZLE	29, 39, 59, 1.17	30	8 FT	2.03 IN./HR.	A
				RAIN BIRD	RD12-S-P30-F 12" POP-UP SHRUB HEAD WITH 10 SERIES HE-VAN ADJUSTABLE ARC NOZZLE	45, 59, 89, 1.78	30	10 FT	1.98 IN./HR.	A
				RAIN BIRD	RD12-S-P30-F 12" POP-UP SHRUB HEAD WITH 12 SERIES HE-VAN ADJUSTABLE ARC NOZZLE	59, 79, 1.18, 2.37	30	12 FT	1.83 IN./HR.	A
				RAIN BIRD	RD12-S-P30-F 12" POP-UP SHRUB HEAD WITH 15 SERIES HE-VAN ADJUSTABLE ARC NOZZLE	93, 1.23, 1.85, 3.70	30	15 FT	1.81 IN./HR.	A
				RAIN BIRD	RD12-S-P30-F 12" POP-UP SHRUB HEAD WITH LCSR/CS/SSS30 NOZZLES	61, 1.21	30	4X15 FT 4X30 FT	1.95 IN./HR.	A
				RAIN BIRD	RD12-S-P45-F 12" POP-UP SHRUB HEAD WITH R-VAN14 (Q/T/H) / R-VAN14-360 NOZZLES	32, 42, 63, 1.27	45	14 FT	0.70 IN./HR.	A
				RAIN BIRD	RD12-S-P45-F 12" POP-UP SHRUB HEAD WITH R-VAN18 (Q/T/H) / R-VAN18-360 NOZZLES	50, 62, 1.17, 1.85	45	18 FT	0.70 IN./HR.	A
				RAIN BIRD	RD12-S-P45-F 12" POP-UP SHRUB HEAD WITH R-VAN24 (Q/T/H) / R-VAN24-360 NOZZLES	84, 1.16, 1.68, 3.48	45	24 FT	0.70 IN./HR.	A
				RAIN BIRD	RD06-S-P30-F 6" POP-UP BUBBLER HEAD WITH A HUNTER MSB8-N50Q STREAM BUBBLER	50 (1.00 TOTAL)	30	1.5 FT	1.50 IN./HR.	A,B
					EACH SYMBOL REPRESENTS TWO (2) BUBBLER TO PROVIDE A TOTAL OF TWO (2) BUBBLERS PER TREE OR PALM. PLACE THE BUBBLER HEADS SIX (6) INCHES FROM THE ROOT BALL AND ON OPPOSITE SIDES OF TREE OR PALM. ADJUST THE BUBBLER STREAMS TO WET THE ROOT BALL AND ADJACENT AMENDED SOIL WITHOUT HITTING THE TRUNK OF THE TREE OR PALM.					
				EXISTING	EXISTING IRRIGATION TO REMAIN; PROTECT-IN-PLACE. REFER TO IRRIGATION PLAN SHEET NOTES FOR MORE INFORMATION					N/A
				NETAFIM	SUB-SURFACE DRIP TUBING AS DESCRIBED BELOW: 0.53 GPH / EMITTER 30 N/A 0.70 IN./HR. TLCHVXR5-CS-12 SUBSURFACE DRIP TUBING (BROWN EXTERIOR COLOR WITH A COPPER OXIDE STRIPE) WITH 0.53 GPH PRESSURE COMPENSATING EMITTERS INTERNALLY INSTALLED IN THE DRIP TUBING AT 12" O.C. SPACING. DRIP TUBING SHALL BE EQUIPPED WITH A CONTINUOUS EXTERIOR CUPRON STRIPE, COPPER OXIDE INFUSED EMITTERS AND A PHYSICAL BARRIER TO PREVENT ROOT INTRUSION INTO THE DRIP EMITTER. DRIP EMITTERS SHALL BE CONTINUOUS FLUSHING TYPE AND EQUIPPED WITH A CHECK VALVE AND ANTI-SIPHON FEATURE. DRIP TUBING SHALL BE INSTALLED 2" BELOW THE FINISHED SOIL GRADE (NOT COUNTING MULCH) AND IN PARALLEL ROWS A MAXIMUM OF 16" ON CENTER. THE PERIMETER ROW OF DRIP TUBING SHALL BE INSTALLED A MAXIMUM OF 4" FROM THE EDGE OF ANY HARDCAPE OR TURF EDGE. ALL SUCSEQUENT INTERIOR ROWS SHALL BE ADJUSTED TO PROVIDE AN EVEN SPACING ACROSS THE PLANTER WITHOUT EXCEEDING 16" MAXIMUM SPACING. INSTALL 9" PVC COATED GALVANIZED TUBING STAKES A MAXIMUM OF FIVE (5) FEET ON CENTER ALONG THE LENGTH OF THE TUBING. TUBING STAKES SHALL BE MODEL #GDOTS140090 AS MANUFACTURED BY GPH IRRIGATION PRODUCTS (866) 582-9684. THE LINES SHOWN ON THE PLANS REPRESENT THE APPROXIMATE DIRECTION AND SPACING OF THE DRIP TUBING ROWS. SEE SPACING REQUIREMENTS ABOVE AND IN DETAILS.					C,D
				NETAFIM	CONNECTION BETWEEN DRIP TUBING AND PVC SUPPLY AND DISCHARGE HEADERS SHALL BE MADE USING SCH. 40 PVC SXT FITTINGS, TL BARBED DRIP TUBING FITTINGS AND BLANK DRIP TUBING. USE SCH. 40 PVC LATERAL X LATERAL X 1/2" S&T 90° ELBOW FITTING ON THE PVC LATERAL LINE HEADER, A TL050M BARB X 1/2" MALE ADAPTER, A SHORT LENGTH OF BLANK DRIP TUBING, AND A TLTEE BARBED TEE FITTING. ALL END RUNS OF TUBING SHALL BE CONNECTED WITH A PVC DISCHARGE HEADER. NO HEATING OF TUBING SHALL BE ALLOWED FOR ASSEMBLY.					C,D
				NETAFIM	TL SERIES 17mm BARBED FITTINGS FOR CONNECTIONS BETWEEN DRIP TUBING (TUBING-TO-TUBING ONLY). NO HEATING OF TUBING SHALL BE ALLOWED.					C,D
				NETAFIM	PVC SUPPLY AND DISCHARGE HEADERS SHALL BE PVC LATERAL LINE PIPE (AS SHOWN BELOW), 1/4" MINIMUM SIZE WITH SCH. 40 PVC FITTINGS.					C,D
				NETAFIM	WHERE VINES ARE PLANTED ON WALLS, FENCES OR COLUMNS WITHIN THE DRIP TUBING ZONES ADDITIONAL DRIP EMITTERS SHALL BE REQUIRED FOR THESE VINE PLANTINGS. THE CONTRACTOR SHALL INSTALL TWO (2) SPVCV10 1 GPH DRIP EMITTERS PER VINE PLANTING. THESE ADDITIONAL EMITTERS SHALL BE PUNCHED DIRECTLY INTO THE DRIP TUBING. EMITTERS SHALL BE INSTALLED USING A SPOT EMITTER INSTALLATION TOOL. EACH DRIP EMITTER SHALL BE INSTALLED WITH AN 18" LENGTH OF EDTUBE-01 1/4" DISTRIBUTION TUBING, AN EDTUBESTIK TUBING STAKE, AND A VINYL 1/4" TUBING BUG CAP. LOCATE EMITTERS DIRECTLY OVER THE ROOT BALL OF THE VINE PLANTINGS.					E
				GPH IRRIGATION RAIN BIRD	GDFN DRIP FLUSH / INDICATOR NOZZLE, ORANGE IN COLOR, INSTALLED ONTO A RAIN BIRD RD12-S-P30-F 12" POP-UP SPRINKLER BODY. THE FLUSH NOZZLE SHALL BE CLOSED FOR NORMAL OPERATION OF THE DRIP SYSTEM.					C,F
				LASCO	VXX101N-CS-XX" SLO-CLOSE SCH. 80 PVC, TRUE-UNION BALL VALVE WITH SOLVENT WELD SOCKET CONNECTIONS. LINE SIZE PER MAINLINE.					G, O
				RAIN BIRD	44LR 1" QUICK COUPLER VALVE WITH LOCKING VINYL COVER AND A LASCO G135-218 SWING JOINT. INSTALL INSIDE A 10" ROUND VALVE BOX.					H
				RAIN BIRD	44LR 1" QUICK COUPLER VALVE WITH YELLOW LOCKING VINYL COVER. INSTALL WITHIN A SPORTSFIELD SPECIALTY QUICK CONNECT VALVE ENCLOSURE BOX FOR SYNTHETIC INFILL TURF. REFER TO LANDSCAPE PLANS FOR ENCLOSURE BOX SPECIFICATION.					P
				RAIN BIRD	XXX-PESB-PRS-D PRESSURE REGULATING, PLASTIC REMOTE CONTROL VALVE (RCV), SIZE AS SHOWN (1", 1 1/2" and 2" SIZES), SET PRS-D PRESSURE REGULATOR TO PROVIDE THE OPERATING PRESSURE OF THE SPRINKLER / BUBBLER HEAD AT THE HIGHEST OR FARTEST HEAD ON THE CONTROL VALVE ZONE (MEASURE PSI AT THE HEAD). INSTALL THE RCV INSIDE A STANDARD RECTANGULAR VALVE BOX.					I
				RAIN BIRD	100-PESB 1" PLASTIC DRIP REMOTE CONTROL VALVE (RCV) ASSEMBLY. INSTALL A PRB-QKCHK-100 PRESSURE REGULATING BASKET STRAINER (200 MESH) ON THE DOWNSTREAM SIDE OF THE CONTROL VALVE. INSTALL A 1" SCH 40 PVC MPT X FPT RISER EXTENSION BETWEEN THE CONTROL VALVE AND THE BASKET FILTER. INSTALL THE RCV INSIDE A STANDARD RECTANGULAR VALVE BOX.					J
				AS APPROVED	PVC PIPE 3/4" - 3" SCH. 40, SOLVENT WELD WITH SCH. 80 PVC FITTINGS, AS LATERAL LINES INSTALLED 12" BELOW FINISHED GRADE					K
				EXISTING	EXISTING IRRIGATION MAINLINE AND CONTROL WIRE PATH TO REMAIN; PROTECT-IN-PLACE, SHOWN FOR REFERENCE ONLY					N/A



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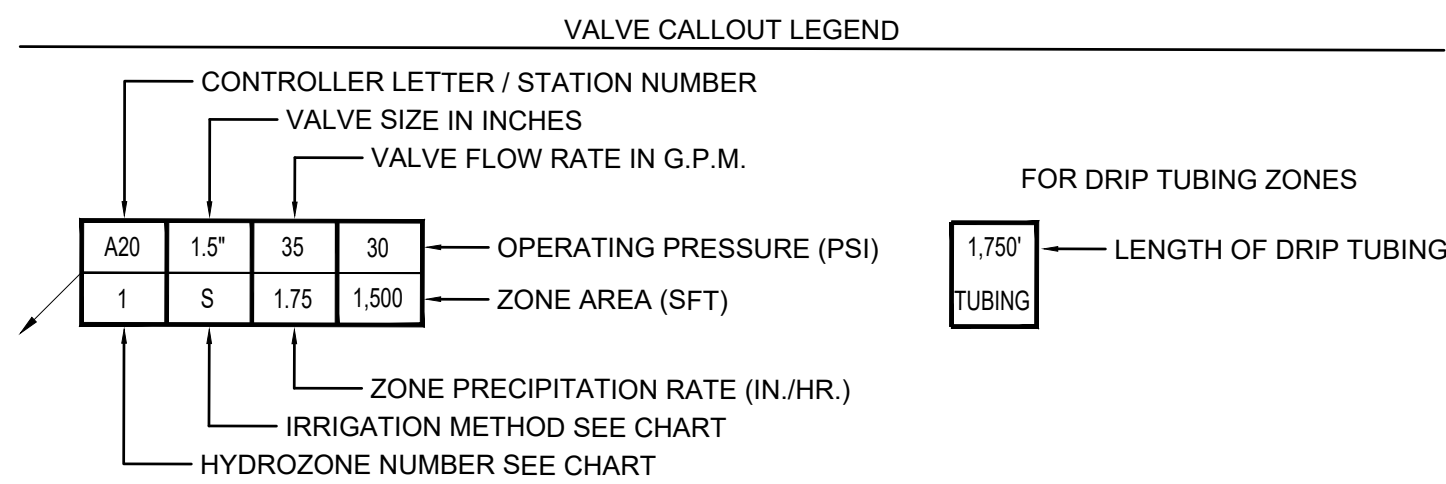
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IRRIGATION LEGEND & NOTES

POC or Controller EX. A		IRRIGATION CONTROLLER RUN TIMES																Total / Avg. 0.10
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total / Avg. 0.10				
		ETo / Month (Inches):																
		0.07	0.10	0.12	0.46	0.58	0.19	0.20	1.59	0.17	0.13	0.09	0.06					
		Irrigation Days / Week:																
Plant / Irrig. Type	AKC	AP Rate	IE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			
Low Shrubs	0.20	1.75	0.75	2.3	3.1	2.5	3.3	2.5	2.1	2.0	2.1	2.7	2.8	2.0	Min./Day/Zone			
Sprays	Number of Zones:	7	15.9	21.6	17.8	23.4	19.3	17.3	14.9	14.2	14.9	18.8	19.4	13.7	Total Min./Day			
Low Shrubs	0.20	0.70	0.81	5.3	7.1	5.9	7.7	5.3	5.7	4.9	4.7	4.9	6.2	6.4	4.5	Min./Day/Zone		
Drip Tubing	Number of Zones:	2	10.5	14.3	11.8	15.5	10.5	11.5	9.9	9.4	9.9	12.4	12.8	9.1	Total Min./Day			
Low Shrubs	0.20	0.70	0.75	5.7	7.7	6.4	8.4	5.7	6.2	5.3	5.1	5.3	6.7	6.9	4.9	Min./Day/Zone		
R-VANs	Number of Zones:	3	17.0	23.1	19.1	25.1	17.0	18.6	16.0	15.2	16.0	20.1	20.8	14.7	Total Min./Day			
Mid or Mod. Shrubs	0.40	0.70	0.81	10.5	14.3	11.8	15.5	10.5	11.5	9.9	9.4	9.9	12.4	12.8	9.1	Min./Day/Zone		
Drip Tubing	Number of Zones:	1	10.5	14.3	11.8	15.5	10.5	11.5	9.9	9.4	9.9	12.4	12.8	9.1	Total Min./Day			
Mid or Mod. Shrubs	0.40	0.70	0.75	11.4	15.4	12.7	16.7	11.4	12.4	10.7	10.2	10.7	13.4	13.9	9.8	Min./Day/Zone		
R-VANs	Number of Zones:	1	11.4	15.4	12.7	16.7	11.4	12.4	10.7	10.2	10.7	13.4	13.9	9.8	Total Min./Day			
Very Low Trees	0.10	1.50	0.75	1.3	1.8	1.5	1.9	1.3	1.4	1.2	1.2	1.2	1.6	1.6	1.1	Min./Day/Zone		
Bubblers	Number of Zones:	1	1.3	1.8	1.5	1.9	1.3	1.4	1.2	1.2	1.2	1.6	1.6	1.1	Total Min./Day			
Moderate Trees	0.40	1.50	0.75	5.3	7.2	5.9	7.8	5.3	5.8	5.0	4.7	5.0	6.3	6.5	4.6	Min./Day/Zone		
Bubblers	Number of Zones:	2	10.6	14.4	11.9	15.6	10.6	11.5	10.0	9.5	10.0	12.5	12.9	9.2	Total Min./Day			
Total Number of Zones:		17	77	105	87	114	77	84	73	69	73	91	94	67	Total Min./Day			
Total Controller Run Time in Hours:		1.29	1.75	1.44	1.89	1.29	1.40	1.21	1.15	1.21	1.52	1.57	1.11	1.11	Total Hrs/Day			
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC					

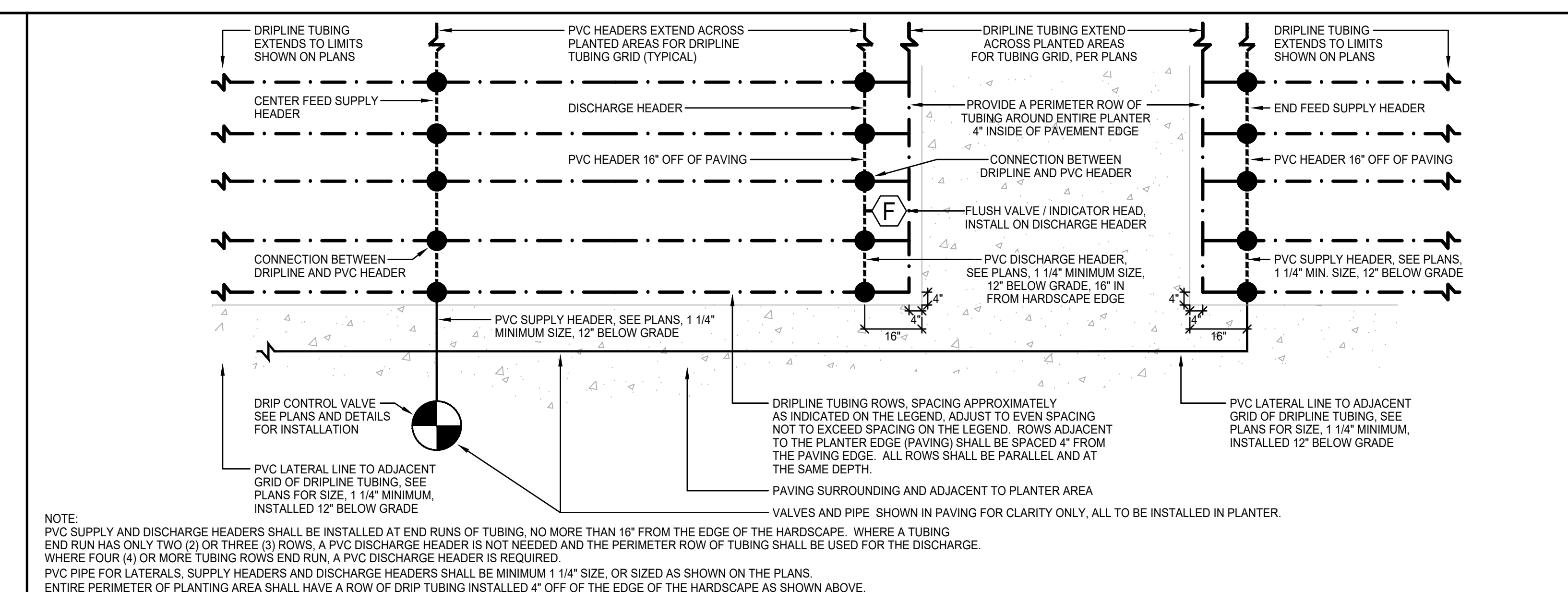
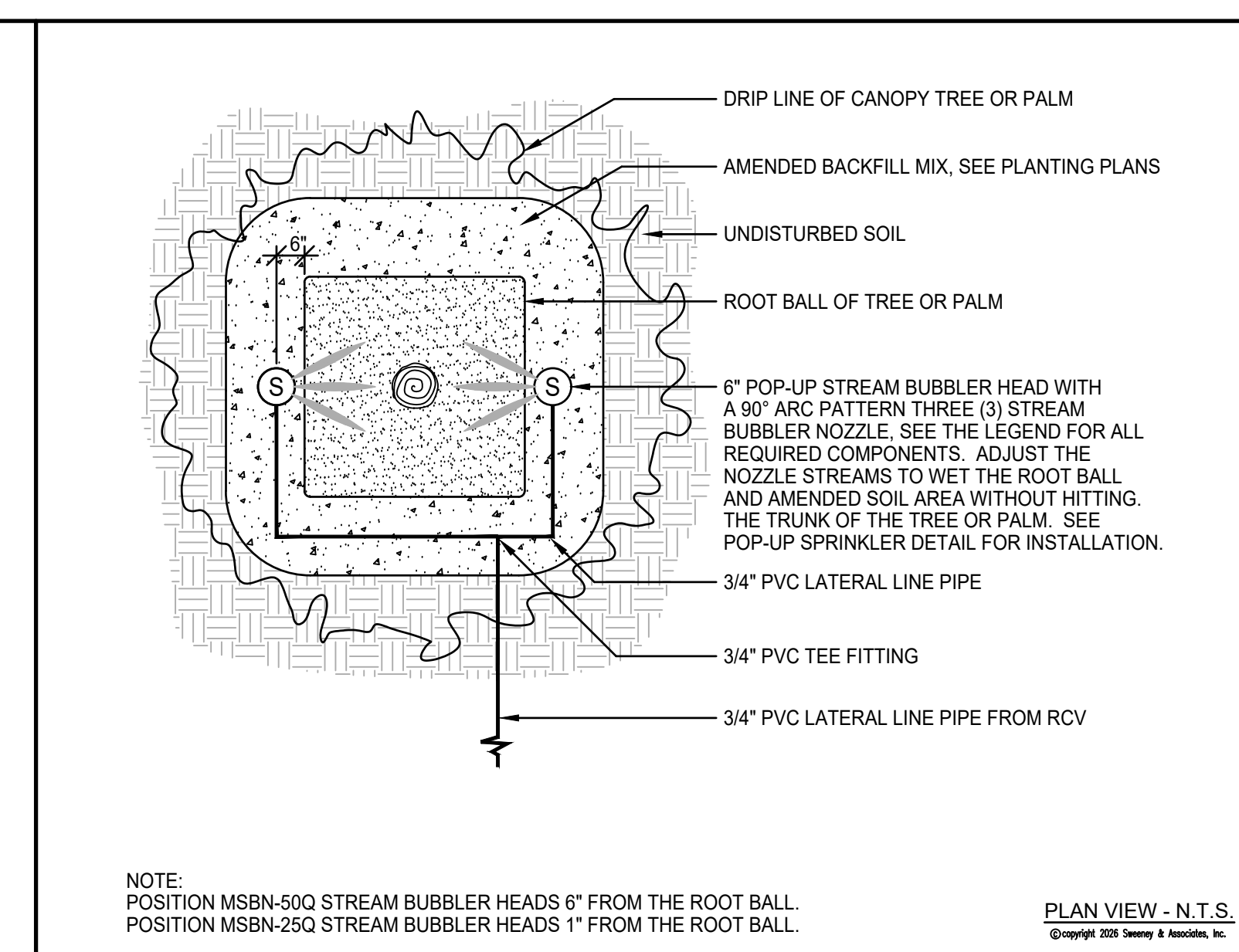
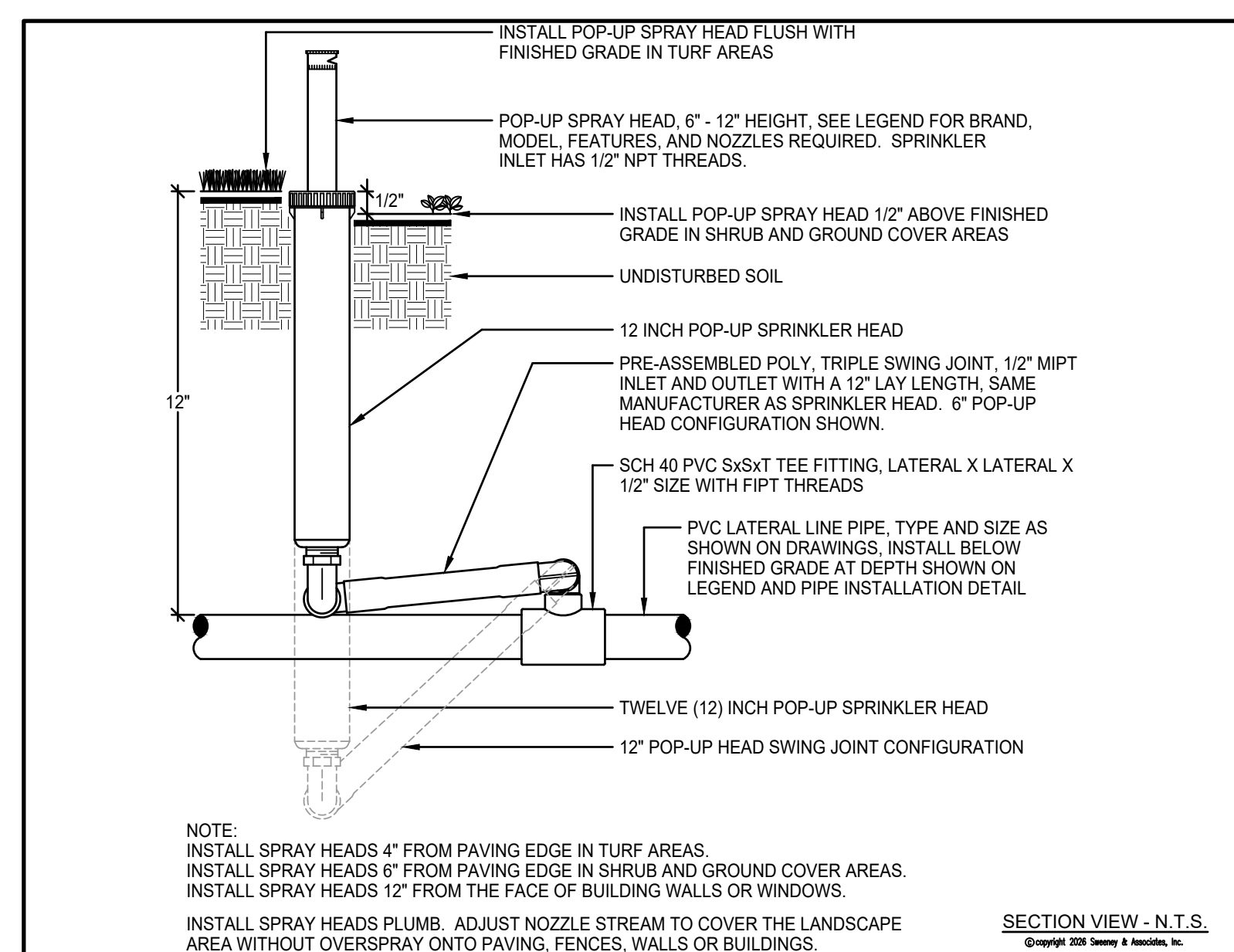
Note: These schedules are intended only for compliance with local municipal codes and the water efficient landscape ordinance. These calculations represent the MAXIMUM REASONABLE run times and are used to ensure that all irrigation may be completed during the specific watering window allowed. These schedules do not include rainfall, site soil types, specific exposures (shade versus sun), actual irrigation days, or specific slope position. It is solely the responsibility of the irrigation contractor to program the controller as required to apply the correct amount of irrigation water for the landscape. All controller start times should be programmed using the specified ET, actual scheduling inside, satellite provided ET data, soil moisture sensors, and rain shut off devices as required. Contractor shall provide a controller scheduling inside the controller cabinet prior to final turnover of the project to the owner.

WATER METER NUMBER		WATER METER SIZE (Inches)	
HYDRAULIC GRADE LINE (FT)		WATER METER ELEVATION (FT)	
ELEVATION DIFFERENCE (FT)		STATIC PRESSURE (PSI)	
REMOTE CONTROL VALVE #		REMOTE CONTROL VALVE SIZE (in.)	
R.C.V. DEMAND (GPM)		TOTAL DEMAND (GPM)	
HIGHEST HEAD SERVED (FT)		STATIC PRESSURE AT HIGHEST HEAD	
sweeney + associates IRRIGATION DESIGN AND CONSULTING		PRESSURE LOSS CALCULATION IS PROVIDED FOR THIS PROJECT BY SWEENEY & ASSOCIATES, INC. UNAUTHORIZED USE BY ANY OTHER PERSON, COMPANY OR PROJECT IS FORBIDDEN WITHOUT WRITTEN PERMISSION.	
SIZE (Inches)	DESCRIPTION	FLOW	# LOSS
2.00	ISOLATION VALVES (BALL TYPE)	16	9 1.00 PSI
2.00	1,000 FEET OF MAINLINE: CL 315 PVC	16	10 2.30 PSI
2.00	6- 90 DEGREE ELBOWS	16	13 0.15 PSI
1.00	REMOTE CONTROL VALVE ASSEMBLY	16	14 2.48 PSI
10%	LATERAL LINE LOSSES	16	15 4.50 PSI
20%	FITTING LOSS (IN ADDITION TO ELBOWS SHOWN)	N/A	16 0.46 PSI
15.00	ELEVATION CHANGE (P.O.C. TO HIGHEST HEAD)	N/A	17 6.50 PSI
TOTAL STATIC PRESSURE LOSS (SUM OF #1 THRU #17)		18	17.4 PSI
PRESSURE REQUIRED AT HEAD (OPERATING PRESSURE)		19	45.0 PSI
TOTAL PRESSURE REQUIRED (SUM OF #18 AND #19)		20	62.4 PSI
STATIC WATER PRESSURE (FROM ABOVE)		21	65.0 PSI
RESIDUAL PRESSURE (SUBTRACT #20 FROM #21)		22	2.6 PSI
SET PRV OR MOV AT (#20 PLUS 10 PSI)		23	N/A PSI
PRESSURE: BOOST, IF REQUIRED (SET TO ACHIEVE 20 PSI RESIDUAL)		24	N/A PSI

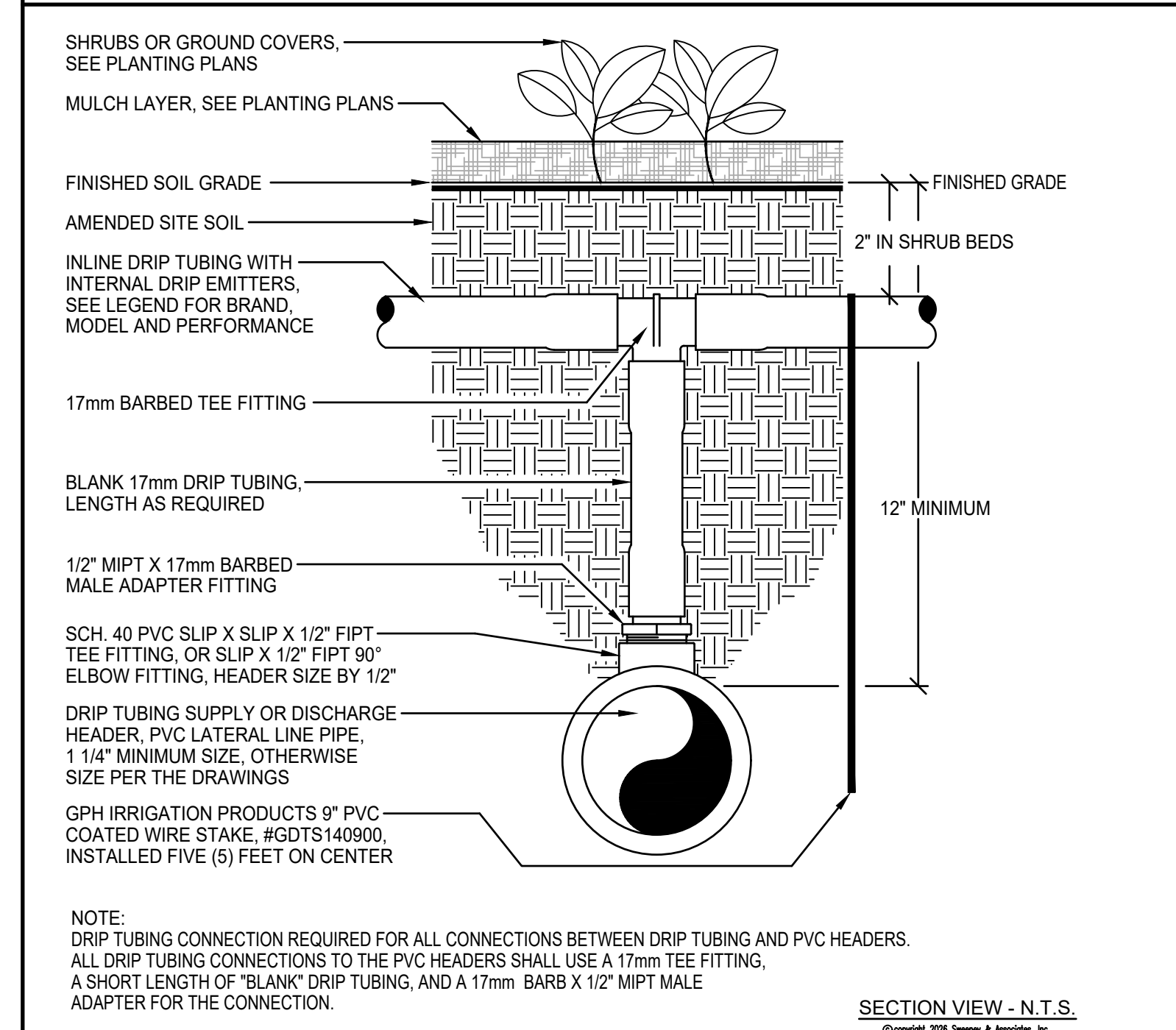


HYDROZONE DESCRIPTION CHART			
NUMBER	DESCRIPTION OF THE HYDROZONE	WUCOLS	PLANT FACTOR
HZ 1	LOW WATER USE PLANTINGS	L	0.20
HZ 2	MIX OR MOD. WATER USE PLANTINGS	M	0.40
HZ 3	VERY LOW WATER USE TREES	VL	0.10
HZ 4	MODERATE WATER USE TREES	M	0.40

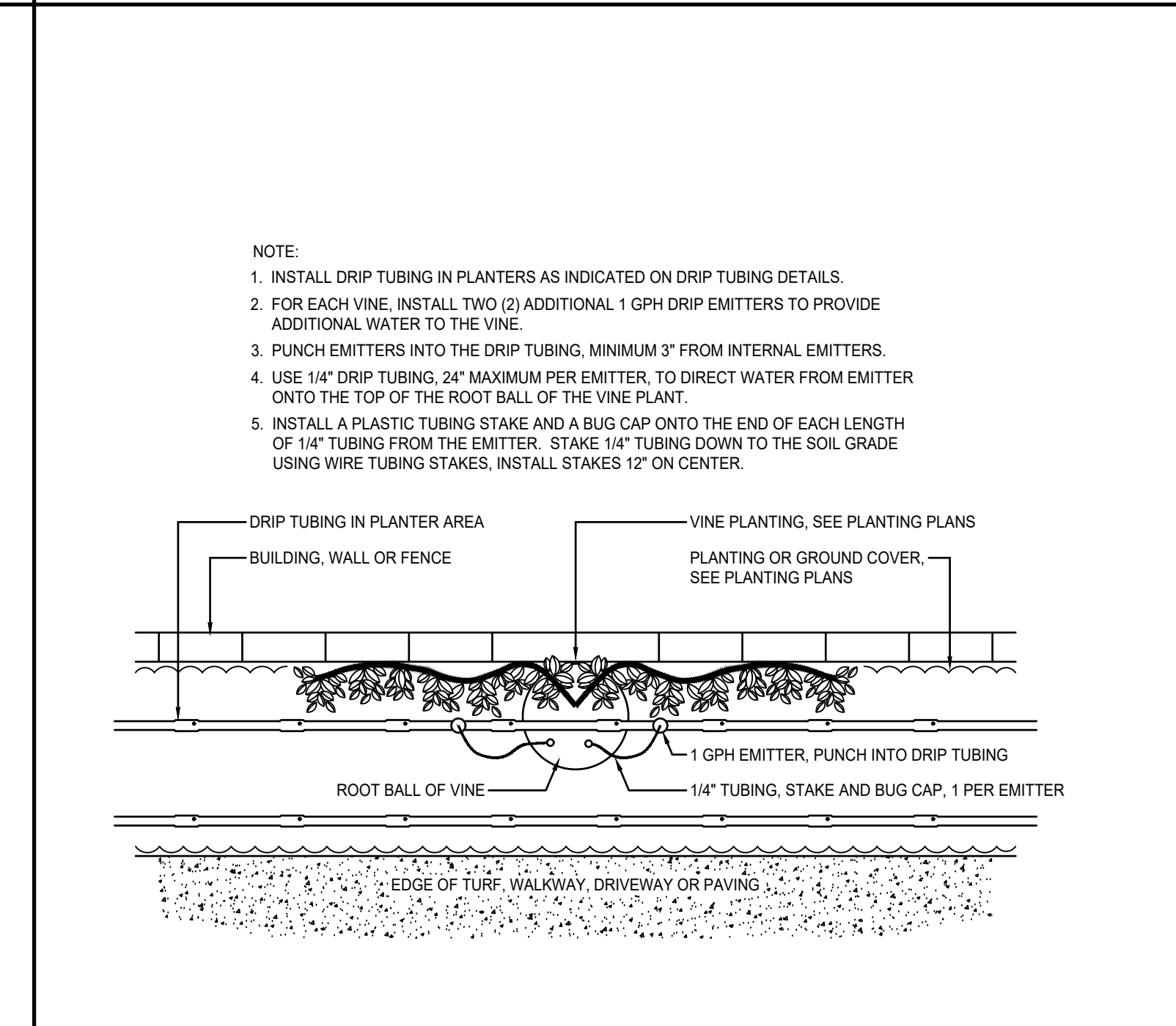
IRRIGATION METHOD DESCRIPTION CHART			
LETTERS	DESCRIPTION OF THE IRRIGATION	TYPE	IR. EFFICIENCY
S	SPRAY HEADS	SPRAY	0.75
RT	ROTARY HEADS	ROTARY	0.75
DT	DRIP TUBING	DRIP	0.81
TB	TREE BUBBLERS	BUBBLER	0.75



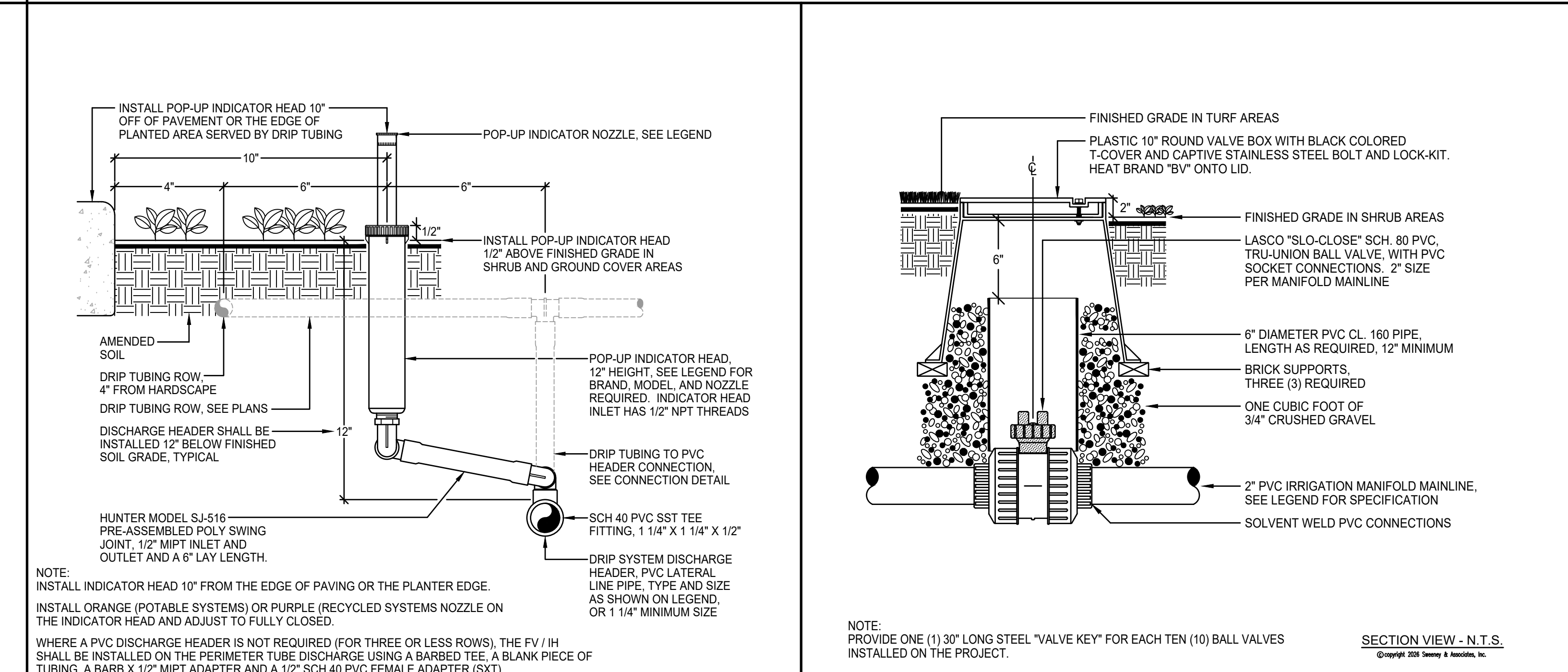
Ⓐ POP-UP SPRAY / BUBBLER HEAD



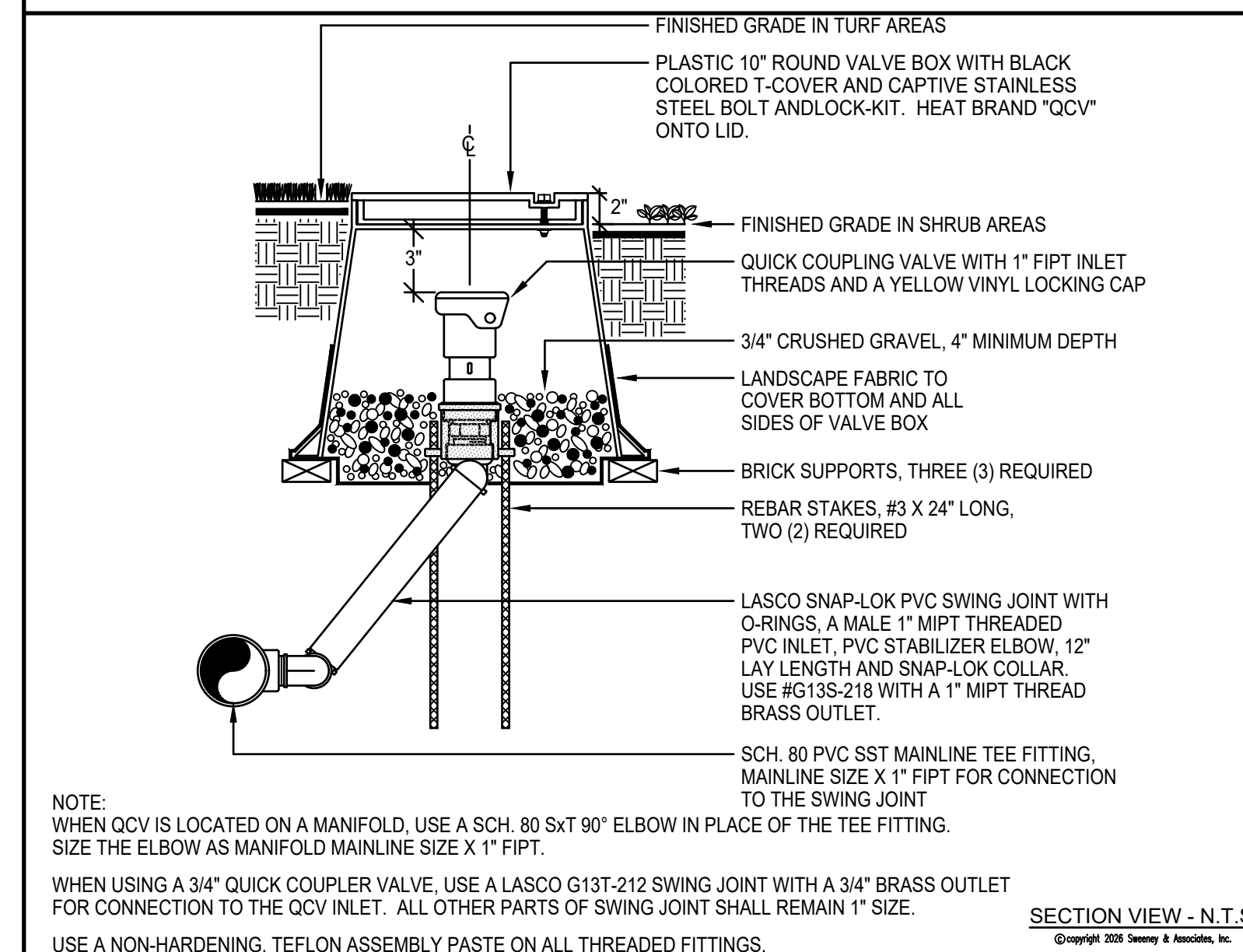
② TREE BUBBLER LAYOUT



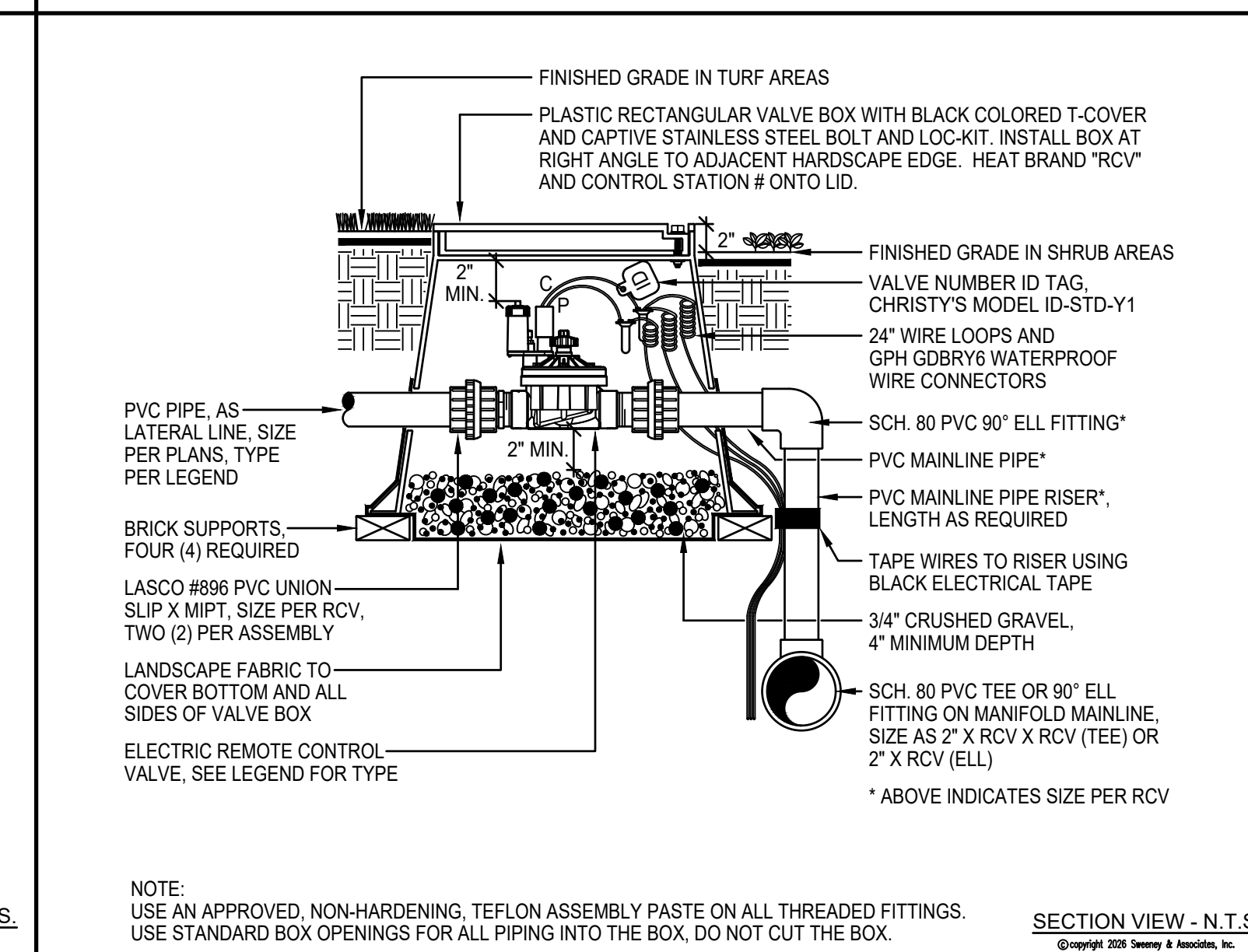
③ DRIP TUBING LAYOUT



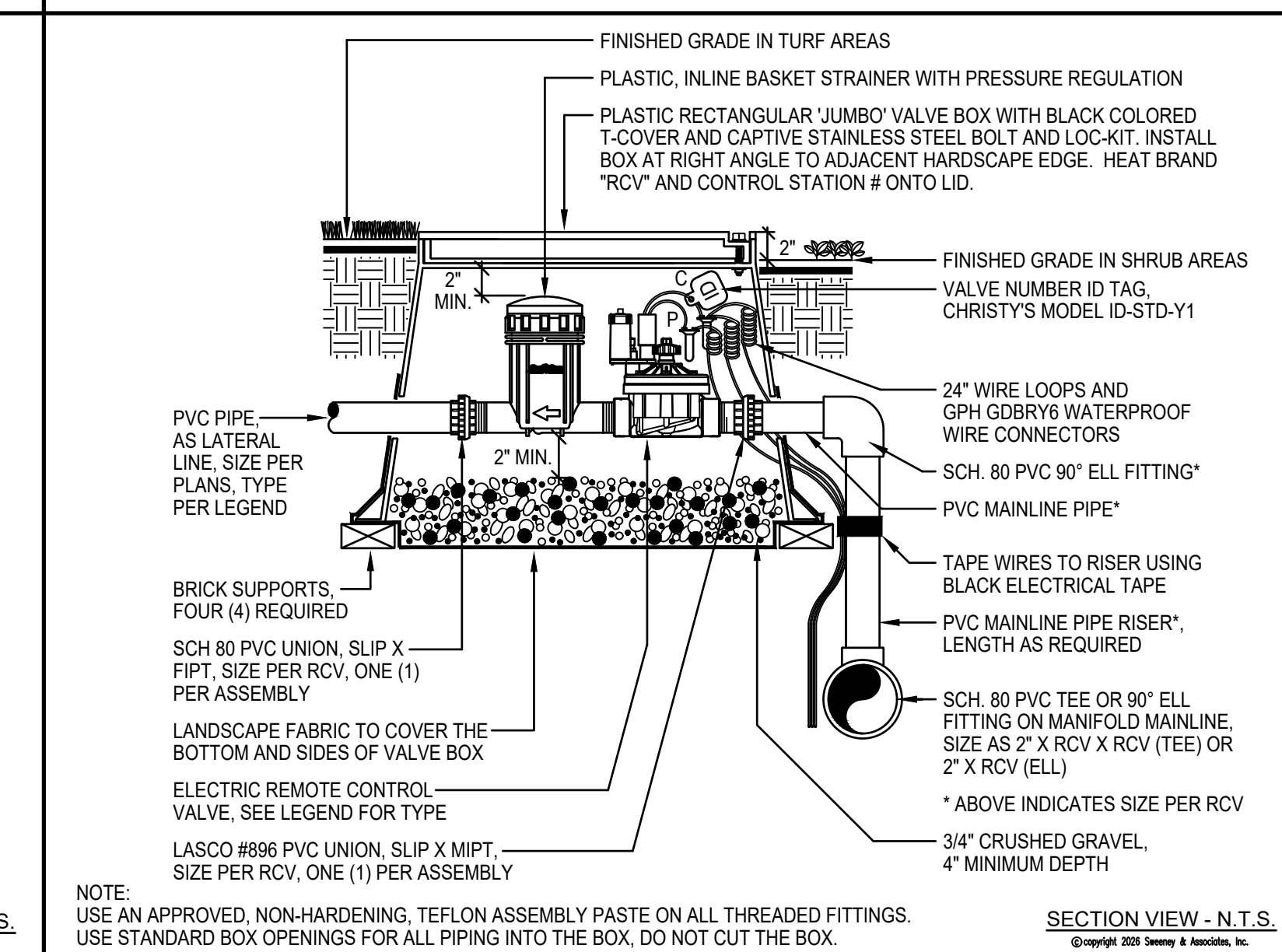
④ DRIPLINE TUBING



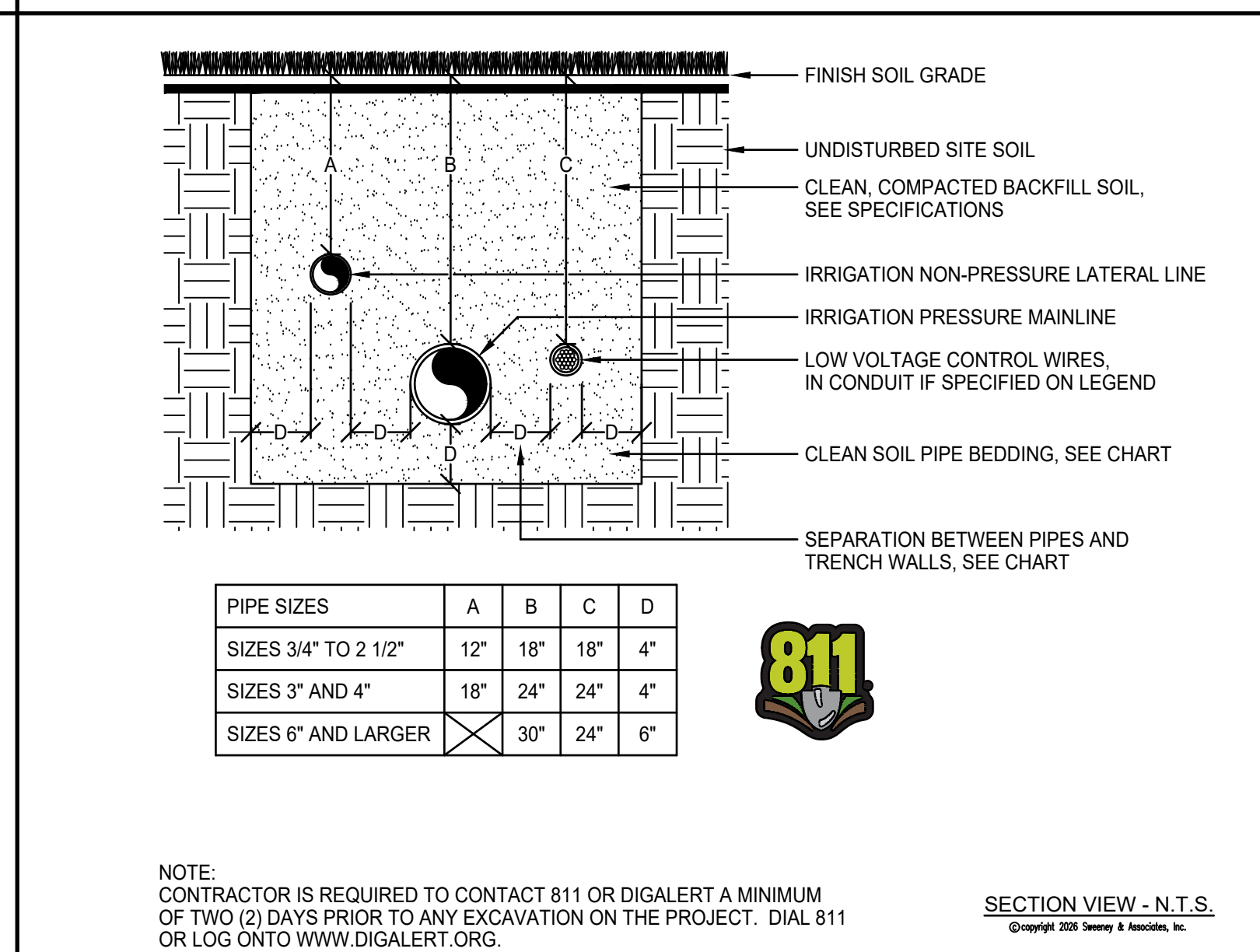
⑤ EMITTERS AT VINE PLANTINGS



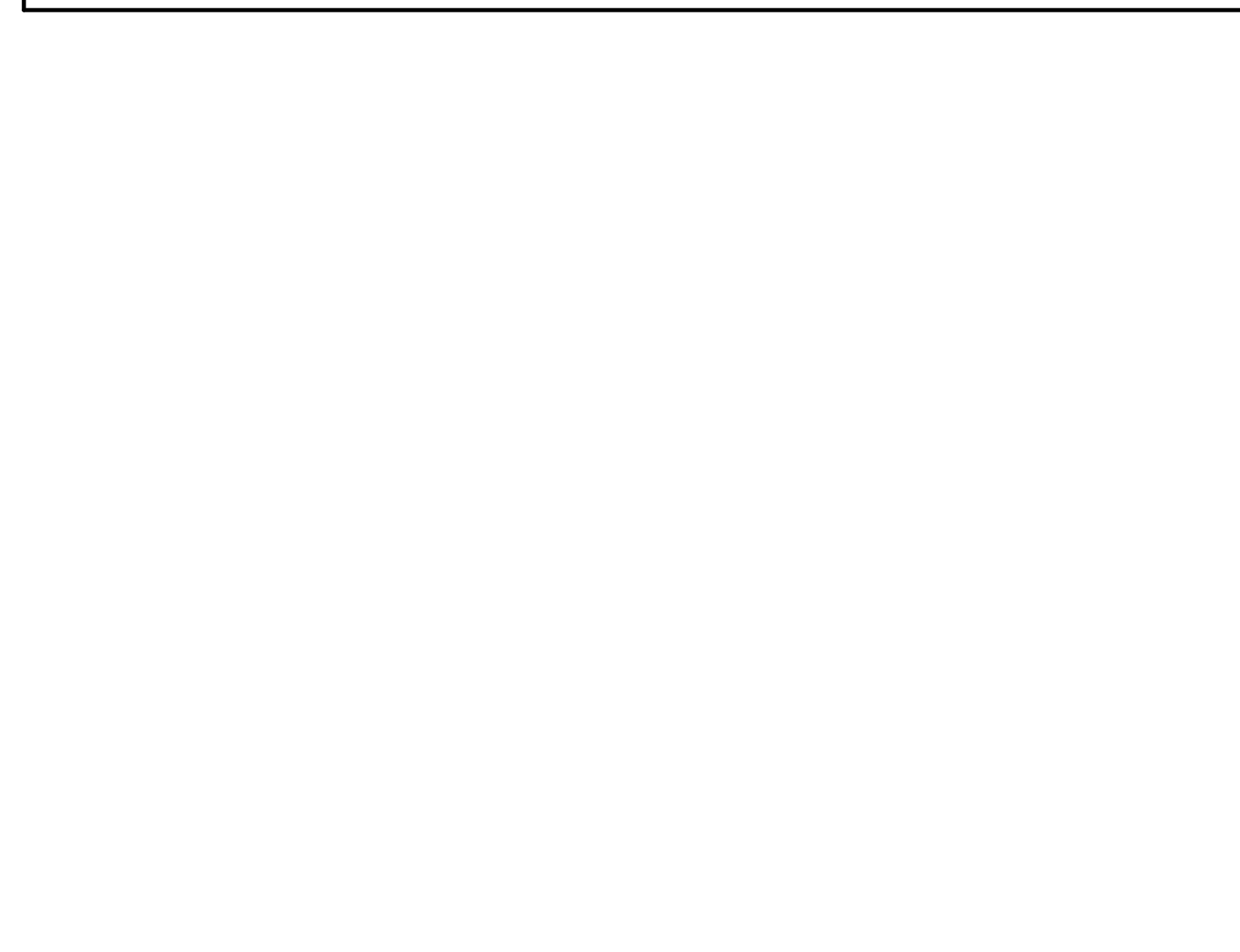
⑦ DRIP FLUSH VALVE



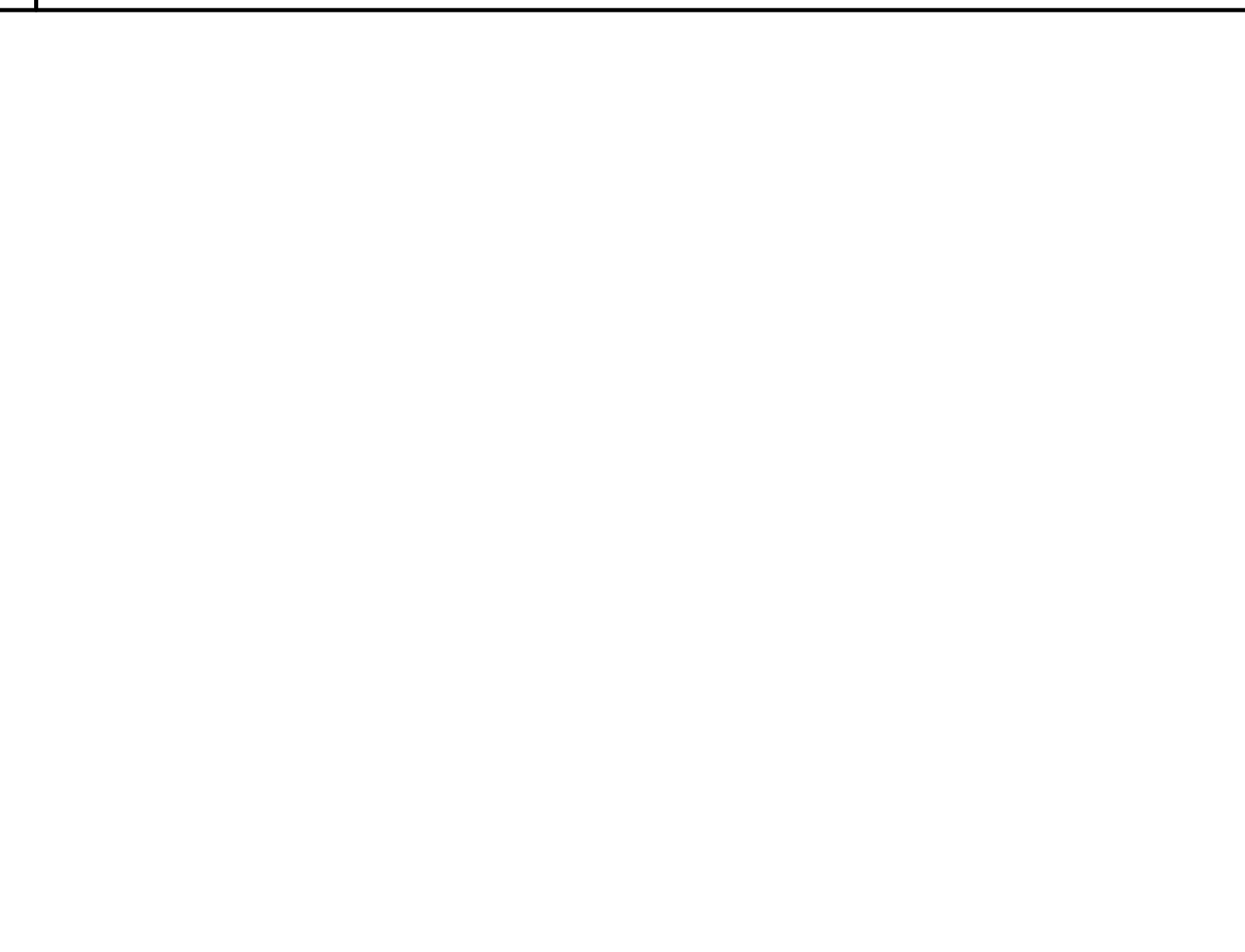
⑨ BALL VALVE



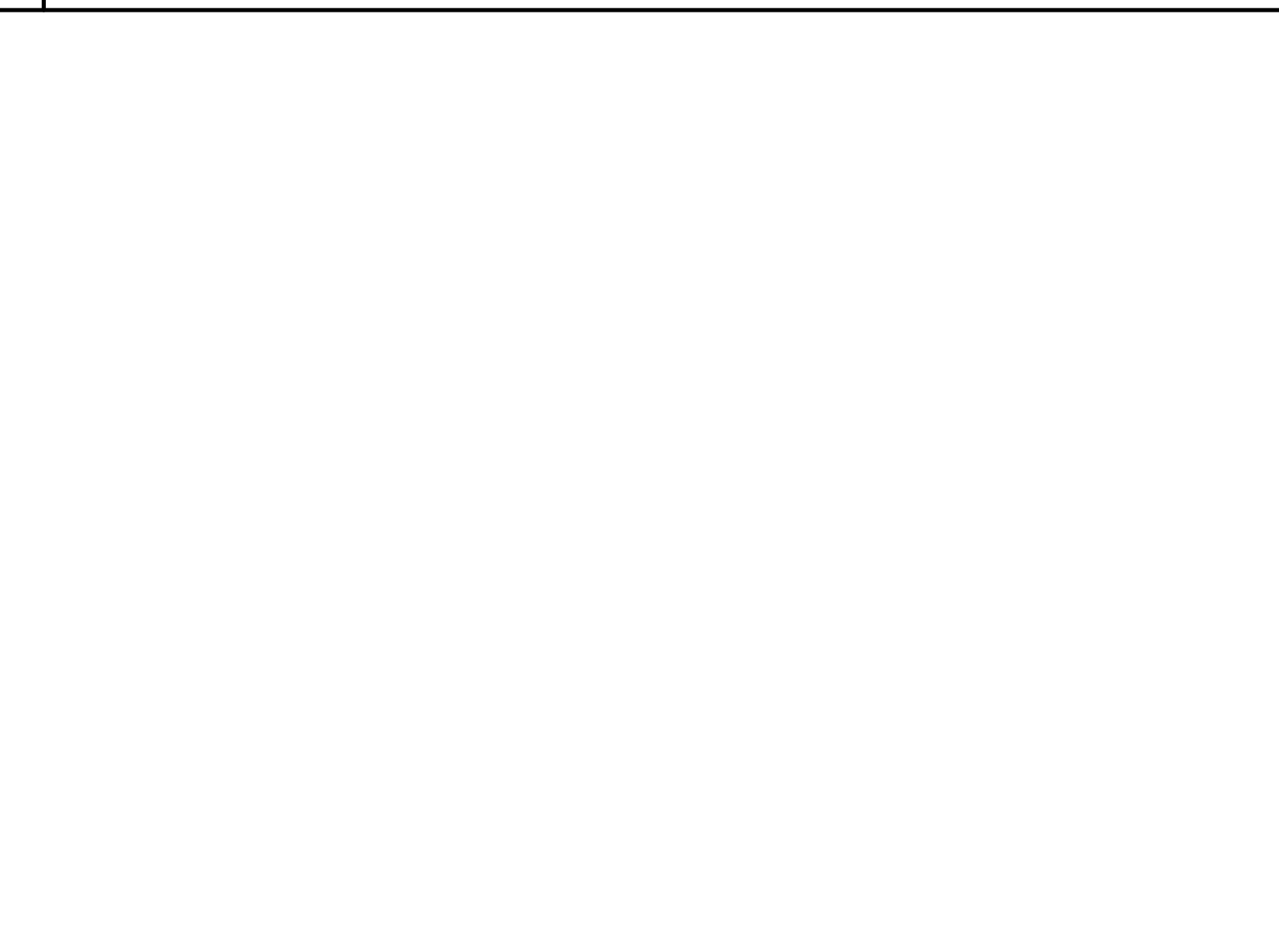
Ⓜ QUICK COUPLER VALVE



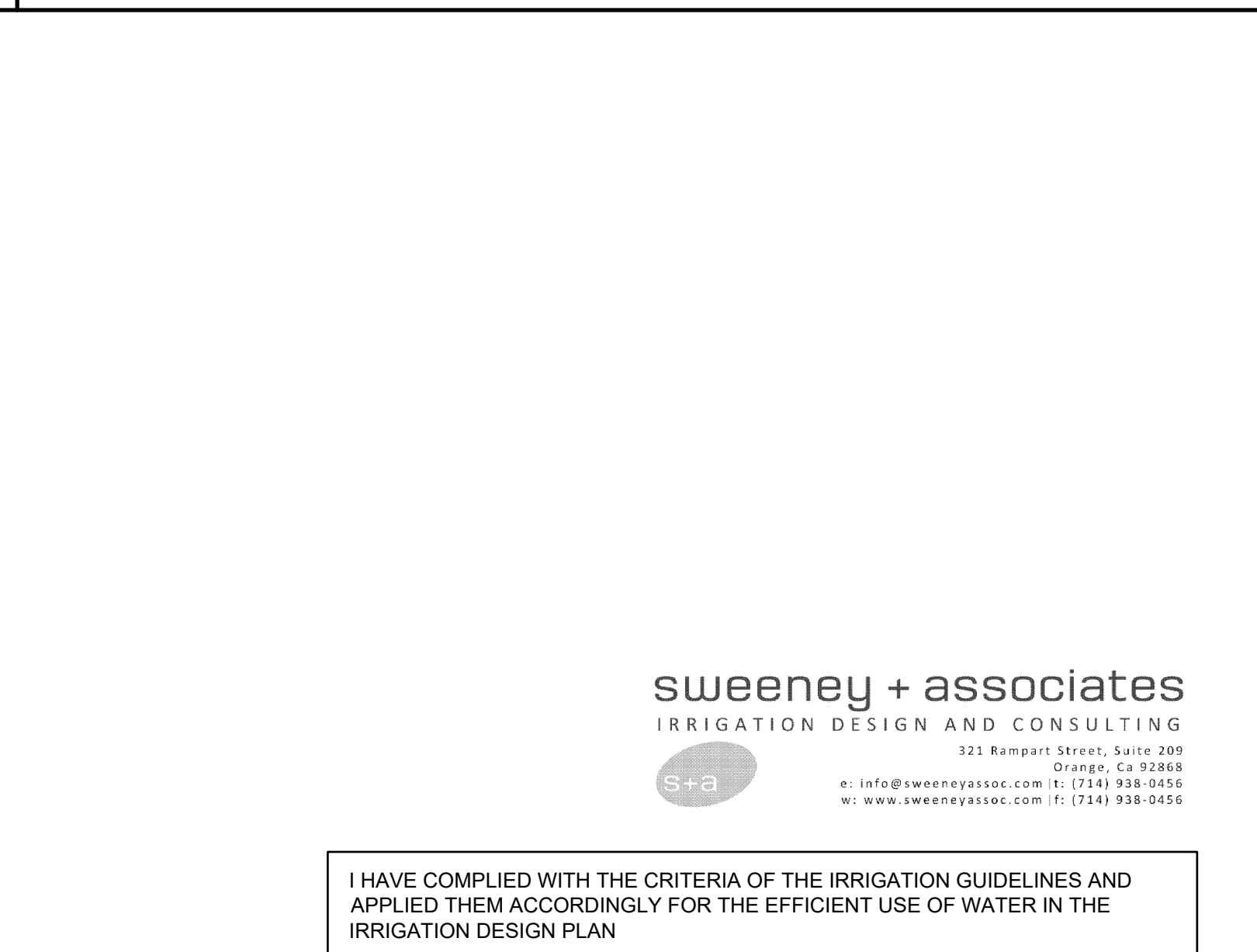
① REMOTE CONTROL VALVE

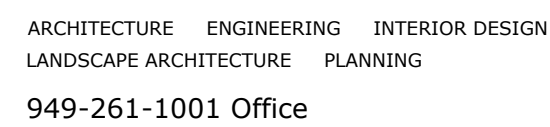
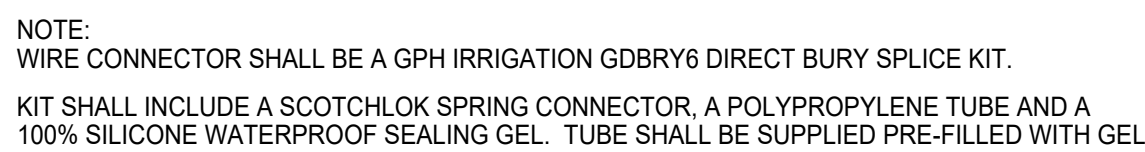
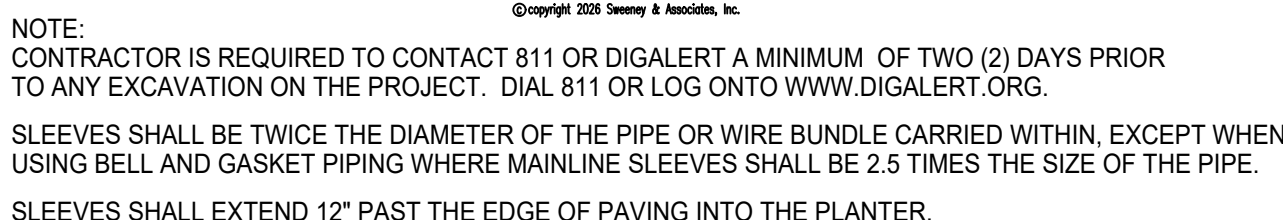


① DRIP RCV ASSEMBLY

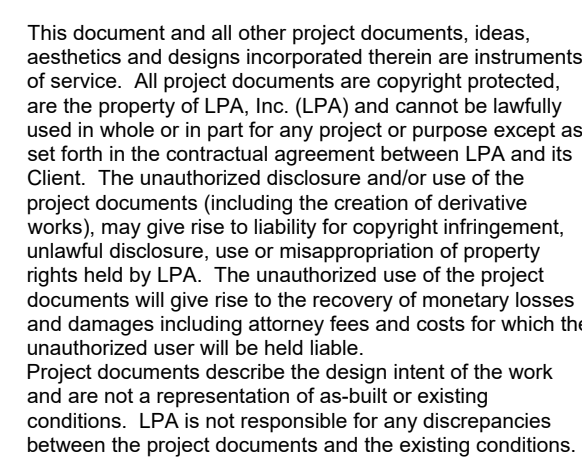


Ⓚ PIPE INSTALLATION





5301 California Avenue, Suite 100
Irvine, California 92617



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SECTION VIEW - N.T.S.



NOTE: THE ACTUAL CONTRACTOR PROPOSED LOCATIONS FOR THE VARIOUS IRRIGATION EQUIPMENT LISTED BELOW SHALL BE REVIEWED AND APPROVED PRIOR TO INSTALLATION. CONTRACTOR SHALL SUBMIT TO THE OWNER AND ARCHITECT FOR REVIEW AND APPROVAL THE SHOP DRAWINGS FOR THE IRRIGATION EQUIPMENT. INSTALLATION OF THE SHOP DRAWING SHALL BE PREPARED TO THE SATISFACTION OF THE OWNER AND LANDSCAPE ARCHITECT. SHOP DRAWINGS MUST INCLUDE LOCATIONS FOR THE FOLLOWING ITEMS: 1) POINT OF CONNECTION INCLUDING WATER POC, BACKFLOW DEVICES, MASTER CONTROL VALVES, FLOW METER, ETC. 2) IRRIGATION WHEELS. 3) SHOWER. 4) REMOTE VALVE. 5) VALVE LOCUS. 6) STATION NUMBER AND SIZE. 7) QUAD COUPLING VALVES. 8) DRIP FLUSH DEVICES. 6) IRRIGATION CONTROLLER(S). 7) RELATED EQUIPMENT (AS MAY BE DIRECTED). EACH PIECE OF AFOREMENTIONED EQUIPMENT SHALL HAVE ITS LOCATION LOCATED ON THE SHOP DRAWINGS. LOCATIONS OF THIS EQUIPMENT SHALL BE IDENTIFIED BY THE FOLLOWING: 1) DIMENSIONS. 2) SYMBOLS. 3) REFERENCE [SUCH AS BUILDINGS, SIDEWALKS, CURBS, STREETLIGHTS, HYDRANTS, ETC.]. WHERE MULTIPLE COMPONENTS ARE INSTALLED WITH NO REASONABLE REFERENCE POINT BETWEEN THE COMPONENTS, DIMENSIONING MAY BASED OFF OF OTHER IRRIGATION EQUIPMENT THAT HAS BEEN IDENTIFIED. THE SHOP DRAWINGS SHALL BE PREPARED TO THE SATISFACTION OF THE OWNER AND ARCHITECT AND SHALL MATCH THE SYMBOLS SHOWN ON THE IRRIGATION LEGEND OF THE DRAWINGS. CONTRACTOR SHALL INSTALL ALL VALVE BOXES AND RELATED EQUIPMENT PER THE OWNER APPROVED SHOP DRAWINGS. ONCE SHOP DRAWINGS LOCATIONS ARE APPROVED, THE LANDSCAPE ARCHITECT OR ARCHITECT SHALL PROVIDE THE FINAL DIMENSIONS AND ADJUSTMENTS TO THE APPROVED VALVE BOX PLACEMENT WITHOUT PRIOR WRITTEN ACCEPTANCE.

Developed for
VENTURA UNIFIED SCHOOL DISTRICT

Submittal	Date
100% SCHEMATIC DESIGN	12/10/2025
100% DESIGN DEVELOPMENT	04/11/2025
50% CONSTRUCTION DOCS	07/24/2025
100% CONSTRUCTION DOCS	09/01/2025
DSA BACKCHECK	11/03/2025
DSA BACKCHECK	03/10/2026
DSA BACKCHECK	07/01/2026

Job Number	32321
Checked By	AW,MM
Scale	N.T.S.

L6.05

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

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Orange, Ca 9266
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w: www.sweeneyassoc.com | f: (714) 938-045

LPA

ARCHITECTURE ENGINEERING INTERIOR
LANDSCAPE ARCHITECTURE PLANNING

949-261-1001 Office

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VENTURA HIGH SCHOOL
TRACK AND FIELD REPLACEMENT
AND BLEACHER UPGRADES

2 NORTH CATALINA STREET
VENTURA, CA 93001

Developed for
VENTURA UNIFIED SCHOOL DISTRICT

Submittal	Date
-100% SCHEMATIC DESIGN	12/10/2024
-100% DESIGN DEVELOPMENT	04/11/2025
50% CONSTRUCTION DOCS	07/24/2025
100% CONSTRUCTION DOCS	09/01/2025
DSA BACK-CHECK	11/03/2025
DSA BACK-CHECK	03/10/2026
DSA BACK-CHECK	07/01/2026

PLANTING PLAN

Site plan of the University of North Carolina at Chapel Hill showing the proposed renovation of the (E) BLDG and (E) BLEACHERS. The plan includes a large circular arena, a rectangular building, and bleachers. A dashed line indicates the 'LIMIT OF WORK'. Various soil sample locations are marked with circles and labels like 'SOIL SAMPLE #1', 'SOIL SAMPLE #2', 'ZNI EM', and 'ZNI'. A yellow star logo is visible on the right side. The plan also shows existing structures, parking areas, and surrounding streets like '100.00 R/W' and '100.00 R/W'.

PLANTING PLAN	1" = 20'-0"	05
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LPA

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LANDSCAPE ARCHITECTURE PLANNING
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VENTURA, CA 93001

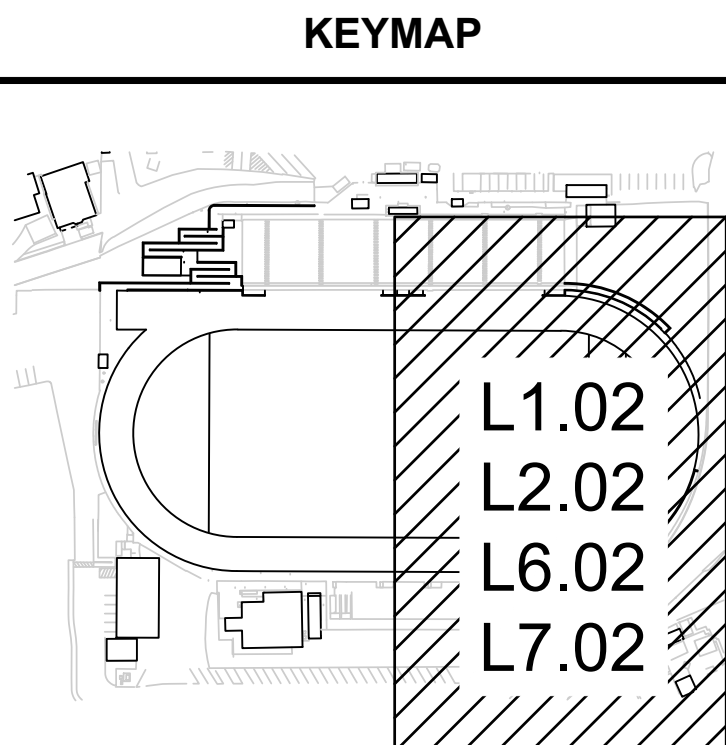
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Submittal	Date
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-100% CONSTRUCTION DOCS	09/01/2025
DSA BACKCHECK	11/03/2025
USA BACKCHECK	03/10/2026
DSA BACKCHECK	07/01/2026

Job Number	32321
Checked By	AW,MM
Scale	1" = 20'-0"

PLANTING PLAN

L7.02



G. STRUCTURAL STEEL

1. Provide readily identifiable structural steel in compliance with Applicable Code Section 2022A.1.
2. Structural Steel: Furnish structural steel complying with the following AISC standard specifications, unless noted otherwise:
- A. Structural Steel Unless Indicated Otherwise: ASTM A572, Grade 50
 - B. Angles and Channels: ASTM A36
 - C. Plates: ASTM A572, Grade 50
 - D. Pipes: ASTM A53, Grade B (65 ksi)
 - E. Rectangular Tubes: ASTM A500, Grade C (50 ksi)
 - F. Round Tubes: ASTM A500, Grade C (48 ksi)
 - G. Anchor Rods: ASTM F1554, grade 30, all threaded
3. Holes for Bolted Connections and Anchor Rods: AISC "standard" holes, unless noted otherwise. See Note 9, for oversized holes for anchor rods in non-frame base plates.
4. High Strength Bolts, Nuts and Washers: AISC, "Specification for Structural Joints Using High-Strength Bolts."
- A. Handed Washers: ASTM F438, under nuts and where plate washers are used. Provide beveled washers where joint face slope is greater than 1:20.
 - B. Tightening: Slug fight for all high strength bolts except thins A325-SC and A490-SC bolts to at least the minimum proper tension according to AISC Specification.
 - C. Provide Class Faying Surface or better at bolted connections indicated with "SC" type bolts.
 - D. All bolts parts of "SFRS" shall be "SC" type bolts.

5. Welding:

- A. Applicable Welding Standard: Applicable Code and latest adopted edition of AWS D1.1 and D1.8.
- B. Pre-qualified and Non-Pre-qualified Welds: Welds shall be pre-qualified in compliance with Applicable Welding Standard. Where non-pre-qualified welds are to be used, qualify by test and procedure qualification test record complying with Applicable Welding Standard.
- C. Work performed by Welders and Inspectors: Adhere to approved Welding Procedure Specification (WPS). Each welder and inspector shall retain a copy of WPS.
- D. Pre-construction Meeting: Conduct to include Architect (Structural Engineer), fabricator, erector, Contractor and inspectors to discuss Welding Procedure Specification (WPS).
- E. Welding Procedure Specification (WPS): Fabricator/erector to develop WPS in compliance with Applicable Welding Standard. Submit to Architect (Structural Engineer) for acceptance and Governing Code Authority for approval prior to fabrication. WPS submitted to include the following:
- a. Welding manufacturers' specifications.
 - b. Information required by Applicable Code. Contract Documents and any other information necessary to produce welds that are in compliance with Applicable Welding Standard.
 - c. Detailed sequence of weld sketches addressing effects of welding heat and welds at joints and within exterior frame assemblies as a whole.
 - d. Plan sequence of erection and welding to minimize locked in stresses and distortion considering effects of welding heat. Procedures submitted shall result in completed connections which comply with design intent of structural drawings. No deviation from structural drawings is permitted unless otherwise accepted by Architect (Structural Engineer) and approved by Governing Code Authority.
 - e. Welding parameters recommended by electrode manufacturer.
 - f. List of applicable base metal types and thicknesses.
 - g. List of applicable electrical characteristics for process employed. Sketches shall identify the maximum layer thickness and bevels identified. In no case shall layer thickness exceed 1/4-inch, nor shall maximum bead width exceed 5/8-inch.
 - h. Applicable welding process.
 - i. Position of welding.
 - j. List of filler metal per Applicable Welding Standard and electrode specification and classification. Include details showing shielding material to be used.
 - k. Minimum preheat requirements, interpass temperatures and post weld heat treatment. Minimum specified preheat shall meet requirements of AWS D1.1, Table 3.2, and AISC 360-16 Section M2.2 requirements for jumbo sections.
 - l. List of applicable electrical characteristics for process employed. Clearly indicate specific values required for each welding pass. These electrical characteristics shall include at a minimum the following:
- Electrode diameter.
 - Type of current and deposition rates of current measured in amperage. For wire feed processes, indicate manufacturer's recommended melt-off rate, acceptable range, and wire feed speed.
 - Voltage (for arc processes).
 - Actual field condition travel speed and manufacturer's data for travel speed.
 - Electrode extension (stick cut) for wire feed processes.
 - Amperage, voltage and electrode extension (as applicable) shall be within filler metal manufacturer's recommendations (compare to AWS D1.1, Section 3.6 and 3.7).
 - Electrode manufacturer's technical information, with identification number listed, and welding parameter recommendations.
- F. Welding Electrode (Filler Metal): E70xx (70 ksi) uno, provide filler metal with Charpy V-notch toughness of 20 ftlbs at -20 degrees Fahrenheit at complete penetration groove size.
- G. Welding Electrode (Filler Metal): E70xx (70 ksi) uno, provide filler metal with Charpy V-notch toughness of 20 ftlbs at -20 degrees Fahrenheit at complete penetration groove size.
- H. Welds indicated as part of the "SFRS" shall comply with AISC 341 sections A3.4 and I2.3. These welded connections shall be made with a filler metal achieving a minimum Charpy V-notch toughness of 20ftlbs at a temperature lower than 0°F.
- I. Welds indicated as "Design by Engineer" (DBE) shall comply with AISC 341 sections A3.4 and I2.3. These welded connections shall be made with a filler metal achieving a minimum Charpy V-notch toughness of 20ftlbs at a temperature lower than 0°F, and a filler metal producing welds that have a minimum Charpy V-notch toughness of 40ftlbs at temperature lower than +70°F.
- J. Welding Toughness Requirements: Certify conformance to Charpy V-notch toughness requirements with tests by an independent testing laboratory for each AWS classification, manufacturer and trade name. Testing procedures shall be in accordance to Applicable Welding Standard and AWS D1.8.
- K. Welding Toughness: Perform shop tests by fabricators approved by AISC or City of Los Angeles.
- L. Welder Qualification: Welders, regardless if Work is performed in shop or in field, shall be qualified for the Work they will be doing and shall have certifications current and acceptable to Governing Code Authority.
- M. Special Inspection: Special inspection shall be required for all welding, as required by governing code authority.
- N. Welds Exposed to View:
- a. Faces of fillet welds exposed to view shall have as-welded surfaces that are reasonably smooth and uniform. No finishing or grinding shall be required, except where noted otherwise.
 - b. Partial and full penetration welds exposed to view shall be ground smooth and flush with finish surface of steel. Remove backup bars and weld tabs. Fill holes with weld metal or body solder and smooth by grinding or filing.
- O. Groove Preparation: Clean groove preparation thermal cuts by grinding.
- P. Termination of Welds: Terminate at joint ends in a manner that ensures sound welds. Use extension bars and run-off tabs whenever necessary.
- Q. Hand-held Calibrated Amp and Volt Meters: To be used by fabricator, erector and inspectors to assure proper amperage and voltage of welding process. Measure amperage and voltage at least once per weld. Verify travel speed and electrode stick-out in compliance with electrode manufacturer's recommendations and with approved WPS.
- R. Storing of Electrodes: Adhere to Section 5.3 of AWS D1.1.
- S. Weld each length of moment frame beam to column connections in one continuous process without cooling below pre-heat temperature.
- T. Welding of ASTM A513 Materials: Perform according to requirements of latest edition of AWS standard, structural drawings and specifications, whichever is more stringent.
- U. Minimum Fillet Weld Size: Where minimum fillet weld size, as stipulated by AISC Section J2 and Table J2.4, exceeds fillet weld size indicated on structural drawings, use AISC stipulated size.
- V. Minimum Groove or Butt Weld Size: Provide complete penetration unless indicated otherwise.
- W. Weld Length: Length of welds shown are not effective lengths. Where length of weld is not indicated, provide full length of joint.
- X. Welding at Galvanized Steel: Galvanization shall be ground off prior to welding. Repair galvanization after completion of welding.

6. Shop Drawings: Submit to Architect (Structural Engineer) for review and, upon request, to Governing Code Authority. Include sequence of erection procedures from approved WPS.
7. Fabrication: Perform in shop certified by AISC or City of Los Angeles.
- A. Moment Connections: Order flange stiffener plates and cap plates used in moment connections so that rolling direction of plate is parallel with direction of principal stress.
 - B. Horizontal Members: Place natural camber up.
 - C. Filler Plates: Provide at splices of plates having more than 18-inch difference in thickness. Filler plates to match grade of material spliced.
8. Cleaning: After fabrication, clean steel surfaces free of rust, loose mill scale, and oil.
9. Oversized Holes for Anchor Rods in Non-Frame Column Base Plates: Oversized holes in base plate may be provided at contractor's option in accordance with AISC Table 14-2 UNO. Where oversized holes are provided, provide plate washer with standard hole with minimum size per AISC Table 14-2 (3/8" thick min) UNO.
10. Exposure to Soil: Encase structural steel in lean concrete with 4-inches concrete cover where exposed to soil.
11. Exposure to Weather: UNO, structural steel (including connection elements) exposed to weather shall be hot dipped galvanized. At welding on galvanized members, galvanization shall be ground off prior to welding. Repair galvanization after completion of welding.
12. Structural Steel Allowance: In addition to the steel shown or implied in this document, allow for an additional 5% of structural steel tonnage to be constructed at the direction of the Structural Engineer during construction. The allowed steel may be of any shape or size, including plates, wide flanges, tubes, pipes, channels, angles, and/or any other structural shapes. The number of pieces may vary. The locations of applications may vary. Direction may be given in multiple occasions during construction. The allowance should include all fabrication and construction related services, such as shop drawings, shop preparation, field erection and connection, bolted connections and field welding. Expenditure of any part of this allowance shall be approved in writing by the Structural Engineer prior to any fabrication and erection.
13. See quality assurance note C-3 and C-4 for non-destructive testing.
14. SFRS denotes Items considered part of the "SEISMIC FORCE RESISTING SYSTEM" (Refer to AISC 341-16 and AWS D1.8).
15. DC denotes welds considered "DEMAND CRITICAL" per AISC 341-16 Section A3.4B and I2.3.
16. Field weld flag symbols indicate design intent but are not requirements. Whether a weld is to be made in shop or field is means and methods and to be coordinated by contractor.
17. Where bent plates specified cannot be bent due to thickness provide two plate pieces joined with a complete penetration weld.

E. CAST-IN-PLACE CONCRETE

1. Concrete mixing shall comply with ASTM C94.
2. Hydraulic Cement:
- A. ASTM A582, Grade 80
 - B. Alternatively, ASTM C150 type I/IV.
3. Aggregates:
- A. Normal Weight Concrete Aggregate (NW): ASTM C33 for aggregates of natural sand and rock. The maximum aggregate size is noted in the table below. The maximum dry density shall be 145 pcf.
 - a. Where smaller aggregate is required for placement or areas of congestion, the contractor shall submit a request to the structural engineer prior to submitting the mix design. Pass gravel is not permitted.
 - B. Light Weight Aggregate (LW) for Structural Concrete: ASTM C330, expanded shale lightweight aggregate. The maximum dry density shall be 115 pcf.
 - C. Alkali Aggregates: Aggregate shall be non-reactive per ASTM C1178.
4. See the table below for the required concrete properties:
- | Class | Use/Location | Strength (psi) 28-Day | Agg. Type | Max. Agg. Size (in) | Slump (in) | Max. w/c | Target Air % | ASTM C586 Type | Exposure Category | GWP Limit kgCO ₂ /m ³ |
|-------|-------------------------|-----------------------|-----------|---------------------|------------|----------|--------------|----------------|-------------------|---|
| A | UNLESS NOTED OTHERWISE | 4,000 | NW | 1 | 3-5 | 0.5 | -- | IL (HS) | F0, S0 | 324 |
| B | FOOTING AND GRADE BEAMS | 4,000 | NW | 1 | 3-5 | 0.5 | -- | IL (HS) | F0, S0 | 324 |
| C | CONCRETE WALLS | 4,000 | NW | 1 | 3-5 | 0.5 | -- | IL | F0, S0 | 324 |

5. Slump: Per ACI 301, CH 4 and CBC section 1709A.3. The specified slump above is measured before applying chemical admixtures. The slump may be increased at the contractor's option for workability and should be noted in the mix design submittal.
6. Global Warming Potential (GWP): as defined in the specifications.
- A. Concrete shall be the product category to comply with the GWP Limit. A weighted average of the maximum GWP for all concrete mixes installed in the project shall be less than the weighted average maximum GWP as specified above. Calculations shall be submitted for approval.
 - B. Air content shall be +/- 1.5 percentage points from the specified target air content in the table above.
7. All concrete above grade, including slab on grade, deck fill, wall, topping slab, stair landing and tread, shall have 1.5 pounds of 3/4" long fibrous reinforcing per cubic yard of concrete.
8. Lean Concrete: Where specifically indicated, containing 2 sacks of cement per cubic yard of concrete. Use only where specifically called for.
9. Non-shrink Grout: ASTM C1107, cementitious, non-metallic, attaining a compressive strength of 8000 psi.
10. Concrete Mix Design Submittal: Prior to ordering concrete, submit for each compressive strength and type of concrete required designed, mix designs signed, and sealed by a registered Civil or Structural Engineer in State of California to Architect (Structural Engineer), Special Inspector and to Governing Code Authority complying with California Building Code, Chapter 19A.
11. Sustainable Design Submittals: For each concrete mix design to be used on site, submit a Type III factory-specific or product-specific environmental product declaration (EPD).
12. Construction Joint: Roughen surface to 1/4-inch amplitude. Clean, remove balance, thoroughly wet and remove standing water before placing new concrete. Submit to the Architect (Structural Engineer) at least 14 days prior to placing concrete indicating locations of construction joints and extent of joints. Place joints at locations to minimize the effects of shrinkage as well as being placed at points that least impair the strength of the structure. Provide dowels as directed.
13. Embedments and Penetrations in Concrete: No penetration through structural concrete is permitted unless shown in these drawings or specifically accepted in writing by the Architect (Structural Engineer). Do not cut any reinforcing.
- A. Pipes, Sleeves, Conduits, and Ducts: Not permitted embedded or penetrating concrete spread footings, columns, walls or concrete cast over metal decking, except as shown in these drawings.
 - B. Conduits: Embedded in Structural Concrete Slabs: Not permitted unless limited to two layers of 1 inch, and 16 slab thickness. Outside diameter conduits and smaller spaced at least 1 inches center to center and within middle third of slab thickness. No conduit embedded in concrete cast over metal decking in perimeter. No aluminum conduit is permitted.
14. Chamfered Corners: Provide 3/4-inch chamfer at exposed corners of columns, beams and walls except where structural walls are laid flush with column or beam flanges, unless detailed otherwise.
15. Curing: Maintain concrete above 50 degrees Fahrenheit and in a moist condition for a minimum of 7 days after placement unless otherwise accepted by the Architect (Structural Engineer).
16. The maximum water-cementitious chloride (ION (Cl) content) in concrete by percentage of weight of cement is 0.30.
17. Where "Styrofoam" or "EPS" is indicated on the drawings, provide expanded polystyrene conforming to ASTM D6817 Type EPS12 with the following physical properties:
- A. Density (min): 0.70 lb/ft³
 - B. Compressive Resistance (min): 2.2 psi @ 1% strain
 - C. Flexural Strength (min): 10.0 psi

F. PROPRIETARY ANCHORAGES AND FASTENERS

1. Anchorages:
- a. Drill and Epoxy Anchors:
 - b. Al Concrete: Hilti HIT-RE 500 V3 adhesive anchor system complying with ICC-ES Evaluation Report ESR-3814.
 - c. Al Masonry: Hilti HIT-HY 270 adhesive anchor system complying with ICC-ES Evaluation Report ESR-4143.
 - d. Provide anchor type, size and embedment as indicated on drawings or as specified in PT slab or beams.
 - e. Overhead applications must be installed using the Hilti HIT-S2 piston pump system.
2. Mechanical Expansion Anchors:
- a. Al Concrete: Hilti KB-T22 carbon steel expansion anchor complying with ICC-ES Evaluation Report ESR-4266.
 - b. Al Masonry: Hilti KB-T22 carbon steel expansion anchor complying with ICC-ES Evaluation Report ESR-4561.
 - c. Where mechanical anchors is exposed to weather, provide stainless steel anchor conforming to the Evaluation Report in lieu of carbon steel.
3. Welded Shear Studs: Nelson S31, flux filled, headed stud anchors, 65,000 psi minimum ultimate tensile strength conforming to ASTM A228, automatically end welded in the field and complying with ICC-ES Evaluation Report ESR-2656.
4. Welded Deformed Anchors: Nelson D31, cold rolled, deformed steel reinforcing bars conforming to ASTM A1064 and complying with ICC-ES Evaluation Report ESR-2907.
5. Fasteners:
- A. Power/Powder Actuated Fasteners (indicated "Shot Pin" or "PAP" on Drawings): Hilti Low-Velocity Power Actuated Drive, 0.157" diameter (X-1), complying with ICC-ES Report ESR-2269. Provide an appropriate washer between the fastener head and light gauge steel or wood surface.
 - B. Self-Drilling Metal Screws (indicated "Screws" or "SMS" on Drawings): Hilti Self-Drilling Screw complying with current ICC-ES Evaluation Report ESR-2196.
 - C. Concrete Screws: Hilti KH-EZ carbon steel screw anchor complying with ICC-ES Evaluation Report ESR-3027.
 - D. Masonry Screws: Hilti KH-EZ carbon steel screw anchor complying with ICC-ES Evaluation Report ESR-3056.
 - E. Self-Drilling Wood Screw: Al steel-to-wood connections (indicated "SDS" on drawings): Simpson SDS screw complying with ICC-ES ESR-2236. Al wood-to-wood connections (indicated "SDWS" on drawings): Simpson SDWS screw complying with IAPMO-UES ESR-192.
 - F. Lag Screw: Lag Screw complying with ANSI / ASME B18.2.1.
 - G. Where fasteners are exposed to weather, provide stainless steel fasteners conforming to the Evaluation Report in lieu of carbon steel.
6. Installation: Follow all manufacturer's written instructions and the referenced ICC-ES evaluation report. The contractor shall arrange for an anchor manufacturer's representative to provide onsite installation training for all anchor products specified.
7. Prior to drilling holes for post-installed anchors, the contractor shall locate existing rebar, prestressing tendons, post-tensioning tendons, and embedded utilities using non-destructive methods with accurate location tolerances (plus or minus 1/4-inch). Do not cut, hit, or otherwise damage existing rebar or tendons during anchor installation.
8. Drilling Holes in Existing Concrete or Masonry for Anchorages: Use non-pneumatic, rotary hammer tools with ANSI-compliant non-rebar cutting drill bits to drill holes existing rebar, including prestressing and post-tensioning tendons, using non-hazardous, non-destructive methods with accurate location tolerances (plus or minus 1/4-inch) prior to drilling holes to avoid cutting or damaging rebar. Holes shall be thoroughly cleaned per the manufacturer's written recommendations prior to the installation of anchorages.
9. Deleterious Materials: Keep anchorages, including holes for drill and epoxy anchors and mechanical anchors, free of dust, grease, and other materials that impair bond.
10. The use of a diamond core bit with a roughening tool for anchor holes requires approval from the Engineer of Record prior to drilling. Unless otherwise shown in the drawings, all holes shall be drilled perpendicular to the concrete surface.
11. Embedment Depths:
- A. Mechanical Anchors: Embedment depths noted in drawings are the effective minimum embedment UNO. Refer to the applicable evaluation report for the corresponding minimum hole depth.
 - b. Screw Anchors: Embedment depths noted in drawings are the nominal minimum embedment UNO. Refer to the applicable evaluation report for the corresponding minimum hole depth.
 - F. Anchor installer certification is required for all installers of drill and epoxy anchors in a horizontal or upwardly inclined orientation. Installer qualification must be provided to the inspector prior to installation.
 - G. Installation Torques for Expansion Anchors shall be as noted:

Nominal Anchor Diameter	Expansion Anchor Installation Torque (ft-lb)					
	Into Concrete			Into Masonry		
	KB-T22 Carbon Steel	KB-T22 Stainless Steel	KB-T22 Carbon Steel	KB-T22 Stainless Steel		
1/4"	4	6	4	6		
3/8"	30	30	15	15		
1/2"	50	40	25	15		
5/8"	40	60	30	35		
3/4"	110	125	50	50		

Note: 1/4" dia. Hilti KH-EZ P, PM & PL in concrete shall have installation torque of 18 ft-lb.

4. Testing:

- A. See DSA-103 Testing and Inspections.
- B. Installation in Concrete:
- a. Provide testing of post-installed anchors in concrete per CBC 2022 1910A.5. For full test loads see details where epoxy anchors are specified.

D. REINFORCING STEEL

1. Reinforcing Steel: All bars shall be deformed.
- A. All bars unless indicated otherwise: ASTM A615, Grade 60
 - B. Bars to be welded: ASTM A706, Grade 60
 - C. Additional Requirements for Bars, Excluding Ties, for vertical bars in Shear Walls: No additional requirements if ASTM A706, Grade 60 bars used. ASTM A615, Grade 60 bars are permitted provided actual yield strength based on mill tests does not exceed specified yield strength by more than 18,000 psi (rebars shall not exceed this value by more than an additional 3,000 psi) and ratio of actual ultimate tensile stress to actual yield stress is not less than 1.25.
2. Wire and Spiral Reinforcing:
- A. Smooth welded wire fabric (W.W.F.): ASTM A1064, Fy =65 ksi, flat sheets only - do not use rolled mesh. Lap 1-1/2 wire spaces (1 foot minimum). Offset laps in adjacent sheets to avoid continuous laps.
 - B. Deformed wire stirrups (DA and larger only): ASTM A1064, Fy =65 ksi
 - C. Spiral reinforcing: ASTM A1064, Fy =65 ksi
3. Reinforcing shall be placed in accordance with the American Concrete Institute Standard 318 (ACI318) and Concrete Reinforcing Steel Institute's (CRSI) "Manual of standard practice." Reinforcing shall be kept clean and free of rust.
4. Provide all accessories needed to support reinforcing in the positions shown in the drawings. Chairs and spacers for reinforcing shall be non-ferrous of plastic coated when resting on exposed concrete surfaces.
5. Shop Drawings: ACI 318-19. Show reinforcing steel placement including size, quantity, spacing, clearances, splice locations, lap lengths, and concrete coverings and submit to Architect (Structural Engineer). Promptly notify Architect (Structural Engineer) prior to developing shop drawings if insufficient clear distances between reinforcing steel and other congestion is encountered. Notify Special inspection of adjustments made from approved Contract Documents which are indicated on accepted shop drawing that facilitate field placement of reinforcing steel and concrete. All bars shall be marked to show they can easily be identified by the project inspector after installation.
6. Lap Splices: At concrete, Provide Class B splices per 04S6.01 UNO. At masonry provide, 72db lap splice length UNO. Splice bars only at locations indicated. If additional splice locations are proposed, promptly notify Architect (Structural Engineer) prior to developing shop drawings.
- A. Splices in Walls: Locate splices in horizontal bars at well-staggered locations. Do not splice vertical bars except at horizontal supports such as floor and roof diaphragms.
7. Mechanical and Welded Splice: Mechanical Splice and Welded Splice are to be used only at locations indicated. Notify Architect (Structural Engineer) of all instances prior to developing shop drawings.
- A. Mechanical Splice: Mechanical couplers shall have current Evaluation Report and satisfy ACI requirements for type 2 coupler for the applicable bar size (grade designation).
 - B. Welded Splice: Welded splice shall develop at least 125 percent of the yield strength of the spliced bar for the applicable bar size and grade designation.
8. Minimum Clearances Between Parallel Reinforcing Steel Including Distance Between Sides of Spliced Bars: 1 inch, 1 bar diameter, or 4/3 times the maximum aggregate size whichever is greater. 1-1/2 inches, 1-1/2 bar diameters, or 4/3 times the maximum aggregate size whichever is greater, at columns, joists, and plates only. For bundled bars, minimum clear distances between units of bundled bars shall be same as single bars except bar diameter is derived from equivalent total area of bundle.
9. Minimum Concrete Coverage: Place bars as near to concrete surface as the following minimum coverages permit, unless noted otherwise:
- A. Slabs in Grade: Locate at center of slab.
 - B. Slabs Supporting Floors Above - 1-1/2 inches from top.
 - C. Formed Concrete Exposed to Earth or Weather - 1-1/2 inches (4# and smaller); 2 inches (6# and larger)
 - D. Concrete Poured Against Earth (Uniformly) - 1-1/2 inches
 - E. Walls Above Grade, Exposed to Weather - See C above
 - F. Walls Above Grade, Not Exposed to Weather - 3/4 inch (#1 and smaller); 1-1/2 inches (#4 and larger)
 - G. Columns (Clear to Face of Tie) - 1-1/2 inches
 - H. Beams (Clear to Face of Tie) - 1-1/2 inches
 - I. Structural Slabs, Not Exposed to Weather (Top and Bottom) - 1 inch (8# and smaller); 1db (8# and larger)
 - J. Structural Slabs, Exposed to Weather - See C above
10. Dowels between footings and vertical wall, and column bars shall match the size, grade and spacing of the column up wall vertical reinforcing and be lapped with a Class B lap splice, UNO.
11. Dowels at Construction Joints: Provide dowels matching size and quantity of reinforcing steel interrupted at construction joints, unless detailed otherwise.
12. Placement of Bars in Walls (unless detailed otherwise): Place vertical bars closest to wall surfaces at corners, placing vertical and horizontal bars in U-shape. In corners which vertical and horizontal bars are of different sizes or curving, position layer with most steel area closest to near wall surface.
13. Bars Terminating at Walls, Columns, Beams, and Foundations: Extend bars to within 2 inches (3 inches at concrete poured against earth) of far face of wall, column, beam, or foundation and provide standard hook unless detailed otherwise.
14. Bars Interrupted by Structural Steel: Extend bars to within 2 inches of steel face and provide standard hook unless detailed otherwise.

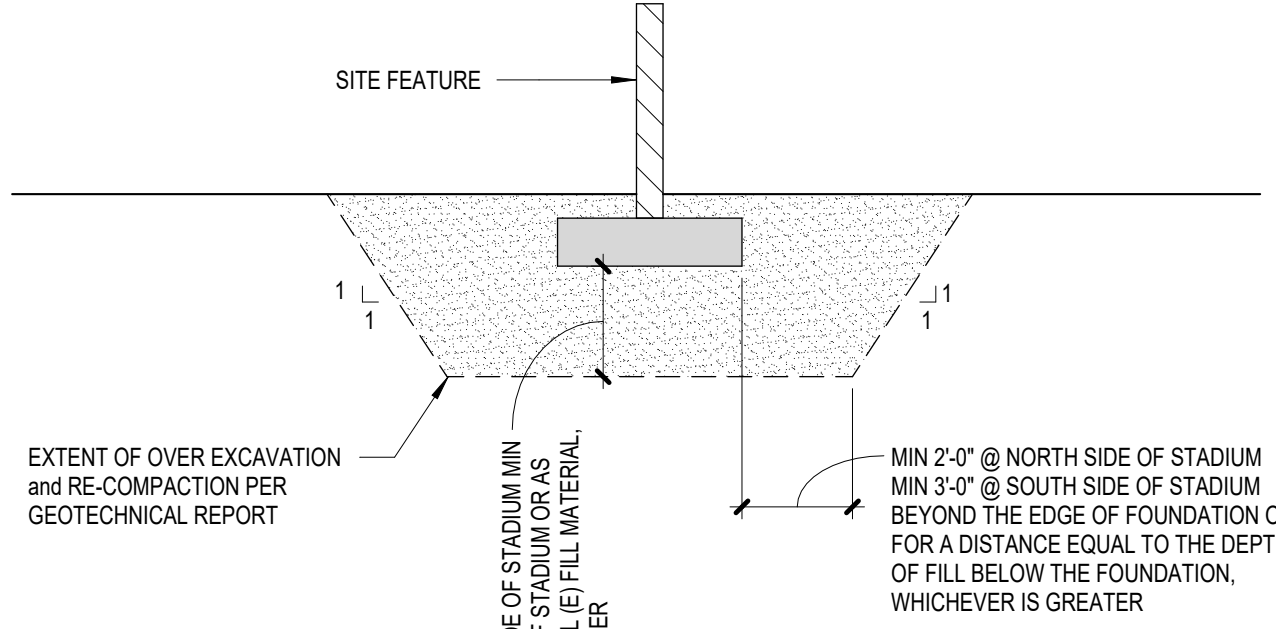
15. Welding: AWS D1.4, edition adopted by applicable code.
- A. Acceptable Reinforcing Steel for Welding: ASTM A706. If welding of reinforcing steel other than A706 is desired, submit proposed procedure, including conformance to applicable code and requirements of Governing Code Authority to Architect (Structural Engineer) for acceptance and to Governing Code Authority for approval prior to execution.
 - B. Welding of bars shall be performed by welders who are specifically trained and qualified in the type of welding to be performed.
 - C. Welder Certification: As required by Governing Code Authority.
 - D. See welding notes in Structural Steel Section of these notes for additional requirements.
16. Bending: Bend cold unless otherwise accepted by Architect (Structural Engineer). Do not field-bend reinforcing steel bars embedded in concrete unless otherwise accepted in writing by Architect (Structural Engineer).
17. Reinforcing Steel Allowance: In addition to reinforcing steel indicated in Contract Documents, allow for an additional 2 tons of reinforcing steel to be constructed under direction of Architect (Structural Engineer) during construction. Direction will be given during multiple occasions. Reinforcing steel under this allowance will be of any size, shape and grade. Quantity of pieces and location of pieces will vary. Include in this allowance fabrication and erection and necessary construction services such as shop drawing preparation, and access for inspection. Submit expenditures in writing for any part of this allowance to Architect (Structural Engineer) prior to fabrication and erection. The unused portion of this allowance shall be credited to the owner at the completion of the project.
18. In-lap fusion welding of holding wires to ties, stirrups and hoops in beams, columns and grade beams to be prestressing reinforcing steel cages as permitted under the following conditions per CBC 2022 1903A.8:
- a. Fusion welding is not allowed to longitudinal reinforcing steel in any beam, column or grade beam. The holding wire area shall not exceed 5% of the beam, column or grade beam cross sectional longitudinal steel area.
 - b. Fusion welding of holding wires to the ends of the reinforcing steel placed in mats (spread footings, slab reinforcement, etc.) provided the fusion weld occurs within 6 bar diameters of the free end of the bar (e.g. not allowed at the end of coupled, I-headed or welded splice bars).
 - c. Fusion welding of holding wires shall not occur on a bent portion of a reinforcing bar. After holding wire has been fusion welded to a reinforcing bar, that bar may not be bent where the fusion weld occurs.
 - d. Contractor to submit complete shop drawings indicating which members will use fusion welding process for preassembly. Provide complete details indicating the size of stirrups, holding wires and welding requirements.
 - e. Holding wires shall conform to ASTM A1064.
 - f. All reinforcing steel to be welded shall comply with ASTM A706 Grade 60.
 - g. Contractor to submit complete shop welding program outlining the following:
- 1. Type of specific fusion welding machine (i.e. Schmel IDEA 122/25 Machine, etc.)
 - 2. Periodic inspection of the in-plant welding.
 - h. Fusion welded reinforcing steel shall have one tensile test taken from one specimen sampled at a rate of 2.5 tons of traction thereof of each size of reinforcing steel fusion welded. No bend test is necessary. The specimen shall have a holding wire attached to it that need not be removed. The elongation requirements shall comply with the ASTM of reinforcing steel specified on the construction documents (e.g. if A615 is specified, but A706 is used due to the welding requirement, then A615 elongation requirements shall be satisfied).
 - i. The use of fusion welding shall conform to ACI318-19 26.6.4.
 - j. If field conditions result in conflicts with other structural members (ex. anchor bolts) the rebar must be relocated in the field to avoid said conflicts.

B. QUALITY ASSURANCE (STRUCTURAL OBSERVATION, MATERIALS TESTING, AND SPECIAL INSPECTION)

1. Structural Observation:
- A. The Architect (Structural Engineer) of record will perform visual observation of the construction as required CAC 4-333 and 4-341 in accordance with the governing code. These visual observations shall not be considered a substitute for special inspections.
 - B. Coordination Responsibilities of Contractor: Notify Architect (Structural Engineer) 48 hours in advance of critical stages of construction indicated below so visits may be scheduled by Structural Observer. Failure by Contractor to meet observation schedule may require removal of subsequent Work for observation. Contractor to bear costs of removal and replacement of finished Work or framing damaged by removal process or as required for corrective action and for any associated scheduling delays.
 - C. Critical stages of construction requiring structural observation:
- 1. Prior to first foundation pour.
2. Pre-construction Meeting: Owner may coordinate and call for meeting between Architect (Structural Engineer) responsible for structural design, Structural Observer, Contractor, affected subcontractors and Special Inspector, structural observer will preside over this meeting. Purpose of meeting is to identify major structural elements and connections that affect vertical and lateral load resisting systems of structure and to review schedule of Structural Observation, Materials Testing, and Special Inspection of Project.
3. Mill Test Reports Certifying Materials: Contractor to submit mill test reports certifying reinforcing steel, and structural steel are of identifiable tested stock to Owner, Special Inspector, Architect (Structural Engineer) and, upon request, to Governing Code Authority. Ensure materials are properly tagged for identification. If mill test reports cannot be made available or if reinforcing material is identified, Testing Laboratory performs tests as directed by Architect (Structural Engineer). Contractor shall pay Testing Laboratory for costs related to tests and inspectors of undetectable materials or materials furnished without mill test reports, materials found deficient after initial tests and inspections, or materials replacing deficient materials.
4. Ultrasonic Examination of Heavy Rolled Shapes and Thick Plates at Proposed Welded Moment Connections: Where complete penetration groove welds occur at Groups 4 and 5 structural steel shapes, as defined in ASTM A6, and plates exceeding 2 inches thick, submit mill test reports to Architect (Structural Engineer) and, upon request, to Governing Code Authority. Mill test reports shall certify that Charpy V-notch testing was conducted in compliance with ASTM A6. Supplementary Requirement S5, indicating impact test complying with ASTM A673 at frequency P with minimum average value of 20 ft-lbs. absorbed energy at 70 degrees Fahrenheit.
5. Weld Testing and Inspection: Testing Laboratory for testing weld test results to Owner, Contractor, Architect (Structural Engineer) and to Governing Code Authority. See Specifications for testing requirements not indicated on structural drawings.
6. Structural Steel Welding: Apart from visual inspection and review of fabrication and erection reports of fabricator/erector's own quality control testing and inspection, Owner's Testing Laboratory will perform indicated shop and field inspection and testing. Testing Laboratory will be AWS C-1 certified and will provide inspectors for continuous inspection of steel fabrication and erection and structural welding. Shop and field testing of materials and welding will be as follows:
- a. Ultrasonic testing is required for all (100%) and complete penetration, test groove welding on continuity plates by ultrasonic testing after beam flange weld connection. Testing shall occur after completed welds have cooled to ambient temperature. Weld backing removal areas and fillet welds will be subjected to magnetic particle examination.
 - b. Base metal thicker than 1-1/2 inches, subjected to through thickness weld shrinkage, will be ultrasonically tested directly beneath such welds after welds have cooled to ambient temperature. Submit stamped and signed design drawings and calculations to the Architect (Structural Engineer) for review and the Governing Code Authority for approval.
 - c. Welds shall be visually inspected and periodically measured (15 percent minimum).
 - d. Check 10 percent of fillet welds by magnetic particle (ASTM 103 method). Check 25 percent of continuity plate fillet welds and beam fillet welds (100 percent in moment zones) by magnetic particle.
 - e. Ultrasonically tested column flanges located at proposed welded moment connections, continuity plates, doubler plates and base plates where column grade or plate thickness exceeds 1-1/2 inches. Test for evidence of laminations, inclusions or other discontinuities in accordance with ASTM A435, straight beam ultrasonic examination of steel plates, or ASTM A898, straight beam ultrasonic examination of rolled steel structural shapes, as applicable. Test zone to include area 6 inches above and below each beam flange connection. For plates, any discontinuity causing a total loss of back reflect not contained within 3-inch diameter circle, or one-half thickness of plate, whichever is greater, will be rejected. For rolled shapes, ASTM A898, Level 1 criteria applies. Testing will be performed on material prior to fabrication, after fabrication, and after final welding of beam.
 - f. 1-A Area welds shall be MT1 no sooner than 48 hours after completion of weld.
 - g. Amperage, voltage, polarity and electrode stick out will be verified for compliance with electrode manufacturer's recommendations.
7. Special Inspection: Per DSA-103 and chapter 17A of CBC.

C. EARTHWORK AND FOUNDATIONS

1. Geotechnical Report: Perform soils work complying with foundation design based on recommendations in report log no. 30581-1-006, prepared by Earth Systems Pacific dated May 22, 2023 and subsequent addenda letters. Maintain at site a copy of report and addenda.
2. Allowable Foundation Design Values per Geotechnical Report
- A. Bearing Capacity: 2200psf, for min. 1'-4" wide spread footing and 1'-0" wide continuous footings both with 1'-6" min. embedment. Values may be increased to 173 for transient loading when alternative load combinations per 2022 CBC 1605A.2.
 - B. Passive Lateral Bearing Pressure: 233 psf/ci.
 - C. Coefficient of Friction: 0.4.
 - D. Combined Lateral Resistance: The allowable lateral resistance can be taken as a combination of both friction and the lateral passive earth pressure without any reduction.
3. Grading, Excavations, Backfill and Compaction of Backfill: Comply with Geotechnical Report and requirements of Governing Code Authority and performed only under Continuous Special Inspection of geotechnical engineer. Building pads shall be over excavated per figure below as recommended in Geotechnical Report. If soft pockets are discovered during excavation, additional over excavation will be required as directed by the Geotechnical Engineer.
4. Foundation Excavations: Foundations are to be on approved compacted fill as indicated in Geotechnical Report. Excavations are to be inspected by geotechnical engineer prior to placement of reinforcing steel and formwork. Ensure excavations are clean, dry and free of debris or loose soil. Slope sides of excavation not less than minimum slope indicated in Geotechnical Report. Cast concrete directly against excavated surfaces. In case of discrepancy, information in Geotechnical Report shall take precedence.
5. Backfilling of Retaining Walls: Place per Geotechnical Report after completion and inspection of waterproofing. Adequately shore retaining walls during backfill operations as required and adhere to Geotechnical Report.
6. Retaining Wall Design Values:
- A. Active earth pressure: 37 pcf (triangular) Al Level Backfill / 44 pcf (triangular) Al 4H-1V Backfill / 47 pcf (triangular) Al 3H-1V Backfill / 58 pcf (triangular) Al 2H-1V Backfill
 - B. Active earth pressure: 95 pcf (triangular) Al Level Backfill / 67 pcf (triangular) Al 4H-1V Backfill
 - C. Seismic Lateral Earth Pressure: Walls retaining more than 6 ft of earth shall be designed for seismic lateral earth pressure. Equivalent seismic pressure = 23 pcf (triangular) Al Cantilever / 36 pcf (triangular) Al Restraint Retaining Walls



A. GENERAL

1. Applicable Code: 2022 California Building Code (CBC). References to industry standards herein shall be latest edition as adopted by Applicable Code.
2. Authority Having Jurisdiction (AHJ): Division of the State Architect
3. Field Verification: Field verify existing conditions and dimensions prior to construction. Promptly notify Architect (Structural Engineer) in case of discrepancies.
4. Design Intent: Contract Documents indicate design intent for structure in its completed state. They do not indicate method of construction. Promptly notify Architect (Structural Engineer), prior to proceeding with Work, if design intent requires further clarification.
5. Deviations, Modifications and Substitutions to Approved Structural Drawings: Must be accepted in writing by Architect (Structural Engineer) and approved by Governing Code Authority. No deviation, modification or substitution will be accepted via shop drawing review.
6. Procedures of Construction: Contractor is responsible for procedures of construction complying with national, state and local safety ordinances. Site visits (including Structural Observation) by Architect (Structural Engineer) do not constitute supervision of methods of construction.
7. Protection of Utilities: Locate existing utilities, including those not shown on Contract Documents, and protect them from damage. Contractor bears expense of repair or replacement of utilities in conjunction with execution of Work.
8. Excavations: Protect structures, adjacent properties, streets, and utilities during excavation utilizing lagging, shoring, underpinning and related procedures as may be required. Provide necessary supports for soil at sides of excavations. Promptly notify Architect (Structural Engineer) for review and the Governing Code Authority for approval.
9. Erection Plans: Determine phases of Work requiring erection plans according to applicable safety regulations. Maintain certified copies of erection plans at site during construction.
10. Shoring, Bracing, and Other Temporary Supports: Design and erect shoring, bracing, and other temporary supports where structure has not attained design strength and as required for safe erection. Ensure floor, roof, and wall members are securely shored and braced during construction. Provide shoring at elevated beams and side supports or masonry walls during and after pour until walls attain design strength.
11. Temporary Loading: Ensure construction loads do not exceed indicated design live loads. Notify affected contractor trades of these design load limits.
12. H. Fabrication, Shipment, and Erection of Structural Steel: Ensure stresses occurring during fabrication, shipment, and erection of structural steel are temporary and are less than design and allowable stress capacities of individual members. Do not impair full design and load carrying capacity of members due to fabrication, shipment, or erection. Contractor is responsible for controlling erection sequence, erection procedure, temperature differentials and weld shrinkage to minimize residual stresses. Provide additional materials for the erection of structural steel such as temporary bracing and guy cables as may be necessary at an additional cost. Remove these materials unless approved in writing by Owner. Do not tighten bolts in typical beam to column connections for erection purposes.
13. Securing Reinforcing Steel: Dowels, Anchor Bolts and Embeds: Firmly support and accurately place complying with ACI standards prior to casting concrete or grout in masonry walls. Use ties and support bars in addition to reinforcing steel shown where necessary. No welding of reinforcing steel, including back welding, is permitted unless otherwise accepted in writing by Architect (Structural Engineer). Provide plastic or plastic coated chairs and spacers when resting on exposed surfaces.
14. Coordination Responsibility: Contractor is responsible for coordination of Work including that of sub-contractor trades.
15. Core drilling of hardened concrete shall only be done after specific review by Architect (Structural Engineer). Core drilling shall not cut any reinforcing. Concrete coverage for reinforcement as described in these notes shall be maintained at locations of cores.
16. Submittals: Submit to Architect (Structural Engineer) as indicated on structural drawings and specifications. General Contractor shall review submittal for completeness and compliance with Contract Documents prior to submission.
17. Request for Information (RFI) Submittals: Accompany RFIs with partial structural foundation or framing plans showing location in question and affected structural members. Copy partial plan from structural drawings and indicate grid line locations and floor level. Also provide properly drawn engineering sketches illustrating issues and Contractor's proposed solutions. Photographs are not acceptable substitutes to engineering sketches.
18. Composite Slab Penetration Submittal: Submit to Architect (Structural Engineer) for each floor indicating size and location of each slab penetration and opening as necessary by all affected trades. Submit penetration plans together with corresponding metal decking or reinforcing steel shop drawings. Submit written statement from Special Inspector that no additional penetrations or openings were added to those shown in penetration submittal.
19. Composite Concrete and Masonry Wall Penetration Submittal: Submit to Architect (Structural Engineer) for each wall indicating size and location of each wall penetration and opening as necessary by all affected trades. Submit penetration elevations together with corresponding reinforcing steel wall drawings. Submit written statement from Special Inspector that no additional penetrations or openings were added to those shown in penetration submittal.
20. Contract Documents Use: Review Contract Documents in their entirety before performing structural related Work and before developing shop drawings. Bring discrepancies to immediate attention of Architect (Structural Engineer) before starting Work.
21. Scaling of Drawings:

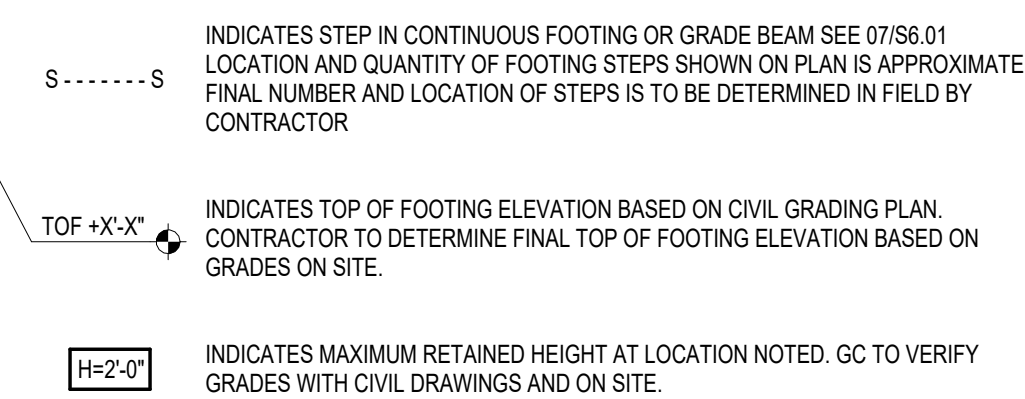
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Developed for
VENTURA UNIFIED SCHOOL DISTRICT

Submittal	Date
100% DESIGN DEVELOPMENT	04/11/2025
50% CONSTRUCTION DOCS	07/24/2025
100% CONSTRUCTION DOCS	09/01/2025
DSA BACK-CHECK	02/05/2026
DSA BACK-CHECK	07/01/2026

SITE RETAINING WALL FOUNDATION PLAN

S2.02A



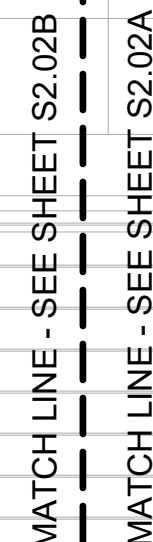
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2 NORTH CATALINA STREET
VENTURA, CA 93001

Developed for
VENTURA UNIFIED SCHOOL DISTRICT

Submission	Date
100% DESIGN DEVELOPMENT	04/11/2025
50% CONSTRUCTION DOCS	07/24/2025
100% CONSTRUCTION DOCS	09/01/2025
DSA BACK-CHECK	02/05/2026
DSA BACK-CHECK	07/01/2026

SITE RETAINING WALL FOUNDATION PLAN



1. FOR GENERAL NOTES, SEE S0 SHEETS. FOR TYPICAL DETAILS, SEE S6 SERIES SHEETS.
2. IN NO CASE SHALL PILES, CONDUITS, OR SLEEVES BE EMBEDDED IN SPREAD OR CONTIGUOUS FOOTING OR CONTIGUOUS FOUNDATION. SEE 0150/010 FOR DETAILS.
3. WHERE BOTTOM FOOTINGS AND SPREAD FOOTINGS INTERSECT, EXCAVATE TO BOTTOM OF DEEPER FOOTING AND CONTINUE ALL BARS THRU INTERSECTION. PLACE REINFORCING BARS IN DEEPER FOOTING TO DEVELOP FULL STRENGTH.
4. GEOTECHNICAL OBSERVATION/COMPACTATION REPORT SHALL BE SUBMITTED TO THE IOR FOR TOP OF FLOOR OBSERVATION.
5. REFER TO CIVIL FOR SPECIFICATIONS, TOP OF WALL ELEVATIONS, AND GRADE ELEVATIONS.
6. REFER TO GEOTECHNICAL REPORT FOR RETAINING WALL BACKFILL REQUIREMENTS.
7. REFER TO CIVIL FOR SPECIFICATIONS AT EXCAVATIONS FOR NEW WORK.
8. SEE CIVIL DRAWINGS FOR APPROXIMATE LOCATION OF EXISTING UNDERGROUND UTILITIES. PROTECT OR RELOCATE EXISTING UTILITIES AS REQUIRED DURING FOOTING CONSTRUCTION. DO NOT REMOVE OR NOT SURCHARGE EXISTING UTILITIES. SEE 0150/010 FOR ADDITIONAL CLARIFICATION.
9. PROVIDE CONTROL JUMP AT CONCRETE WALL WHERE REQUIRED PER LANDSCAPE ARCHITECT. SEE 0150/010 FOR DETAILS.
10. SEE 0550/01 AT CONCRETE WALL CORNERS AND INTERSECTIONS.

	INDICATES STEP IN CONTINUOUS FOOTING OR GRADE BEAM SEE 07/56.01 LOCATION AND QUANTITY OF FOOTING STEPS SHOWN ON PLAN IS APPROXIMATE FINAL NUMBER AND LOCATION OF STEPS IS TO BE DETERMINED IN FIELD BY CONTRACTOR
	INDICATES TOP OF FOOTING ELEVATION BASED ON CIVIL GRADING PLAN. CONTRACTOR TO DETERMINE FINAL TOP OF FOOTING ELEVATION BASED ON GRADES ON SITE.
	INDICATES MAXIMUM RETAINED HEIGHT AT LOCATION NOTED. GC TO VERIFY GRADES WITH CIVIL DRAWINGS AND ON SITE.

NOTES:

1. FOR TYP BAR HOOKS & BENDS, SEE DETAIL.
2. HOOKED BAR LENGTHS SHOWN IN SCHEDULE ABOVE APPLY TO NORMAL WEIGHT CONC. - MULTIPLY THE SPECIFIED DEVELOPMENT LENGTH BY 1.33 FOR LIGHTWEIGHT CONC.
3. LENGTHS SHOWN IN SCHEDULE ABOVE APPLY TO UNCOATED GRADE 60 BARS. MULTIPLY THE SPECIFIED LENGTH BY 1.33 FOR GRADE 80 BARS.
4. CASE I: TYPICAL.
5. CASE II: HOOKED BARS SPACED GREATER THAN $6d_b$ O/C
6. CASE III: HOOKED BARS WITH SIDE COVER PARALLEL. WITH HOOKED BAR GREATER THAN OR EQUAL TO $6d_b$ OR HOOKED BARS TERMINATING WITHIN CONFINED COLUMN CORE WITH SIDE COVER PARALLEL. WITH HOOKED BAR GREATER THAN OR EQUAL TO $2 \times 12"$
7. CASE IV: HOOKED BARS MEETING REQUIREMENTS OF BOTH CASE II AND CASE III
8. HOOKED BARS MAYBE SUBSTITUTED WITH HEADED BARS PER 1.4d' SCHEDULE AT LEFT



SCHEDULE FOR DETERMINING CATE GORY	
I	II
1. A>db B>db TIES THROUGHOUT Ld 2. A>db B>db TIES THROUGHOUT Ld	OTHER CASES

DEVELOPMENT "Ld" SCHEDULE																				
CATEGORY	NORMAL WEIGHT CONCRETE (PSI)	DEVELOPMENT LENGTH (INCHES)																		
		0.375		0.500		0.625		0.750		0.875		1.000		1.128		1.270		1.410		
		#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20	
		T	B	T	B	T	B	T	B	T	B	T	B	T	B	T	B	T	B	T
I	3000	22	17	29	22	38	28	43	33	63	48	72	55	81	62	91	70	101	78	
	4000	19	15	25	19	31	24	37	29	54	42	62	48	70	54	79	61	87	67	
	5000	17	13	22	17	28	22	33	26	49	39	57	43	63	48	70	54	78	60	
	3000	32	25	43	33	54	41	64	50	94	72	107	83	121	93	136	105	151	116	
II	4000	25	19	37	29	47	36	56	43	81	63	93	71	105	81	118	91	131	101	
	5000	22	18	33	26	42	32	50	38	73	56	83	64	94	72	105	81	117	90	

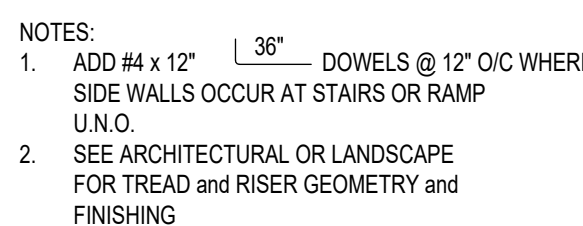
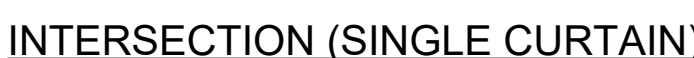
DEVELOPMENT "Ld" SCHEDULE																				
CATEGORY	NORMAL WEIGHT CONCRETE (PSI)	DEVELOPMENT LENGTH (INCHES)																		
		0.375		0.500		0.625		0.750		0.875		1.000		1.128		1.270		1.410		
		#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20	
		T	B	T	B	T	B	T	B	T	B	T	B	T	B	T	B	T	B	T
I	3000	22	17	29	22	38	28	43	33	63	48	72	55	81	62	91	70	101	78	
	4000	19	15	25	19	31	24	37	29	54	42	62	48	70	54	79	61	87	67	
	5000	17	13	22	17	28	22	33	26	49	39	57	43	63	48	70	54	78	60	
	3000	32	25	43	33	54	41	64	50	94	72	107	83	121	93	136	105	151	116	
II	4000	25	19	37	29	47	36	56	43	81	63	93	71	105	81	118	91	131	101	
	5000	22	18	33	26	42	32	50	38	73	56	83	64	94	72	105	81	117	90	



* INDICATES MINIMUM DIMENSIONS MAY GOVERN



3. PROVIDE CONTINUOUS VERTICAL GROOVE FORMED IN EACH FACE OF WALL. FORM GROOVE WITH WOOD RUBBER, PLASTIC OR METAL FORMER STRIPS WITH WALL FORMS.



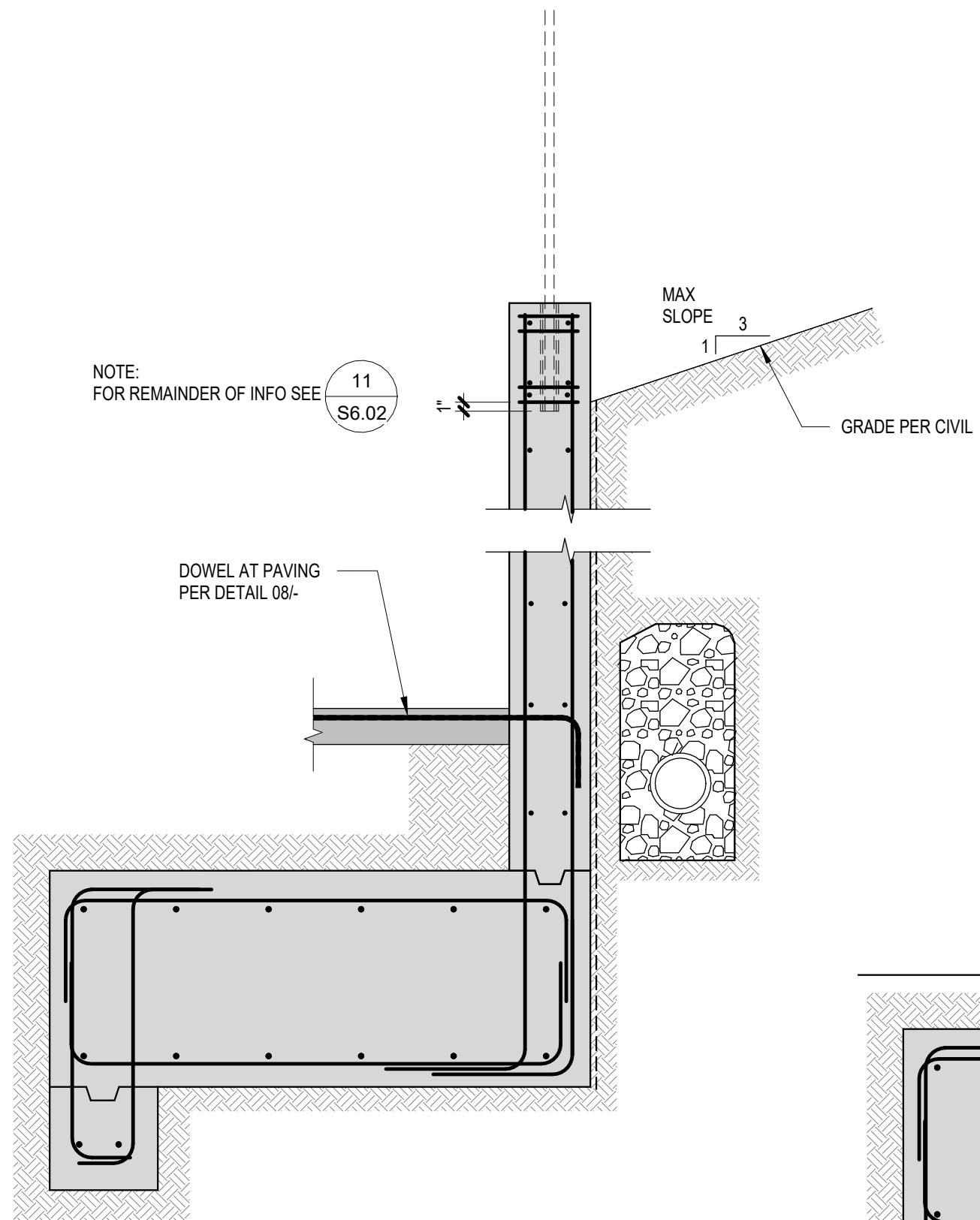
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TYPICAL FOUNDATION DETAILS

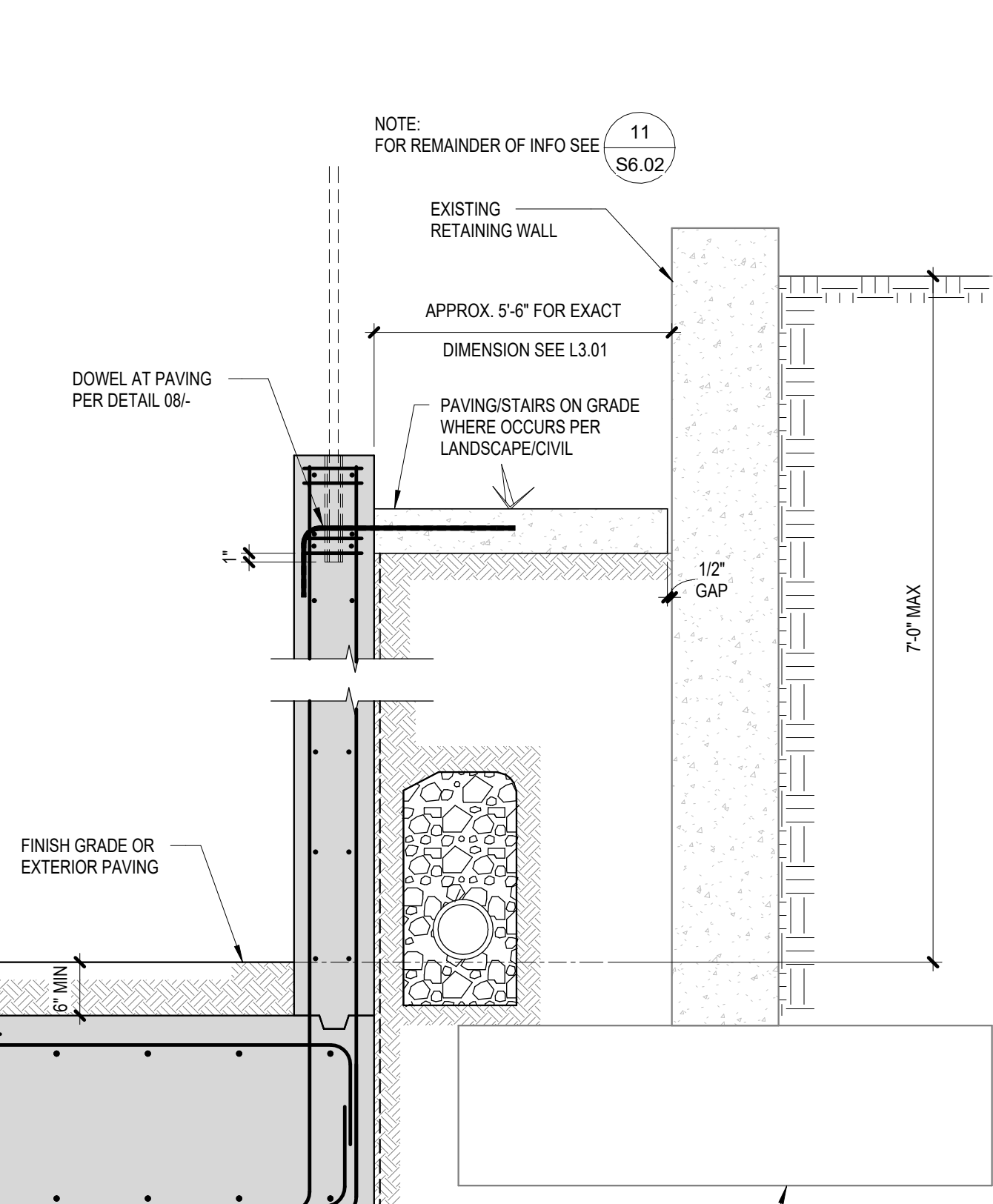
RETAINING WALL SCHEDULE						
RETAINING WALL			FOOTING		SHEAR KEY	
WALL HT MAX "H1"	WALL REINF EA FACE		FTG WIDTH "W"	FTG THICKNESS "T"	KEY DEPTH "Kd"	KEY VERT REINF
	VERT REINF	HORIZ REINF				
10'-0"	#6 @ 8" O/C	#4 @ 18" O/C	10'-0"	2'-0"	42"	#6 @ 12" O/C



TYP CONC. RETAINING WALL & SCHEDULE
W/ 3H:1V MAX SLOPE

N.T.S. 19

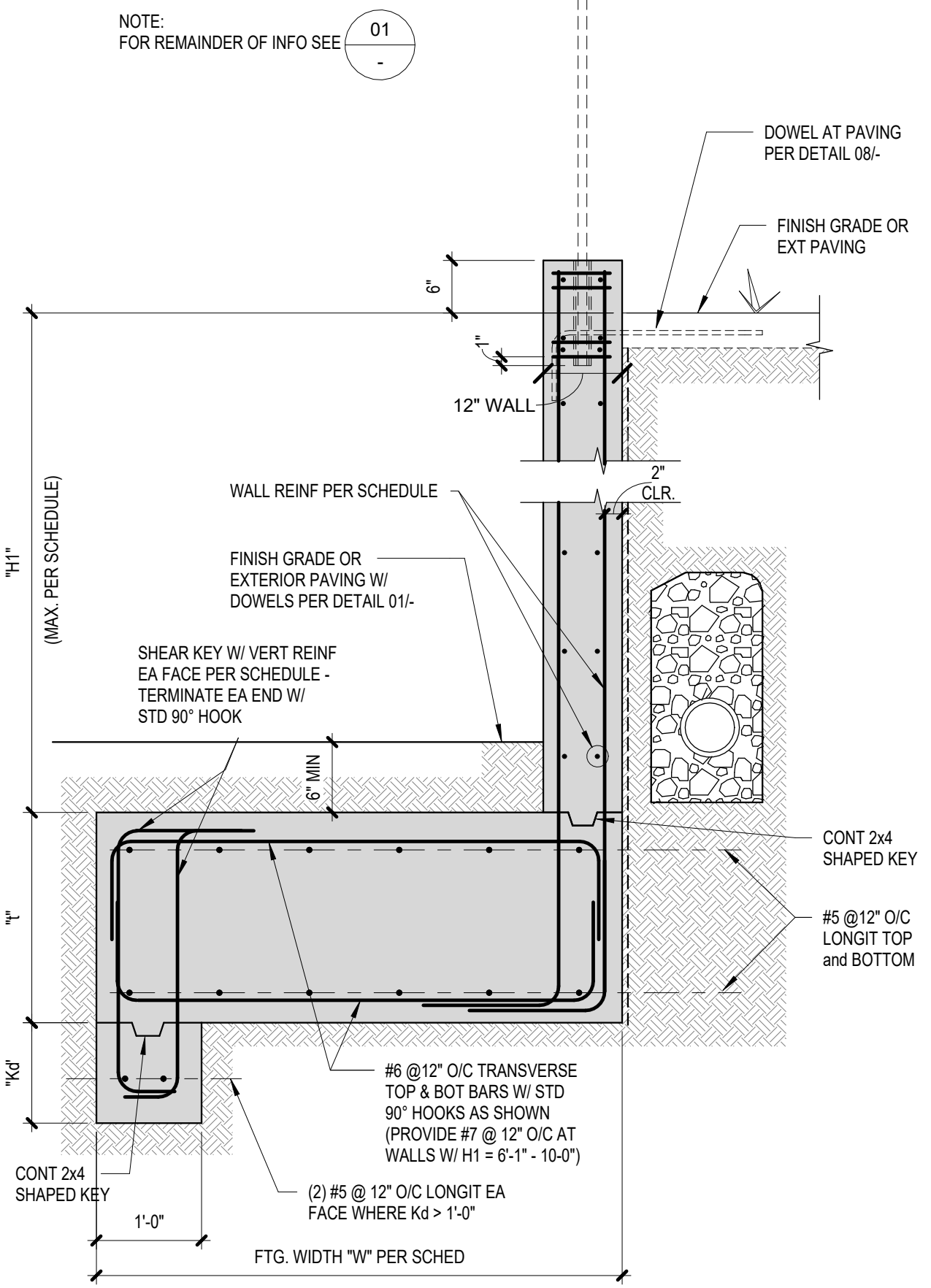
RETAINING WALL SCHEDULE						
RETAINING WALL			FOOTING		SHEAR KEY	
WALL HT MAX "H1"	WALL REINF EA FACE		FTG WIDTH "W"	FTG THICKNESS "T"	KEY DEPTH "Kd"	KEY VERT REINF
	VERT REINF	HORIZ REINF				
10'-0"	#6 @ 8" O/C	#4 @ 18" O/C	10'-0"	2'-0"	42"	#6 @ 12" O/C



TYP CONC RETAINING WALL & SCHED

N.T.S. 15

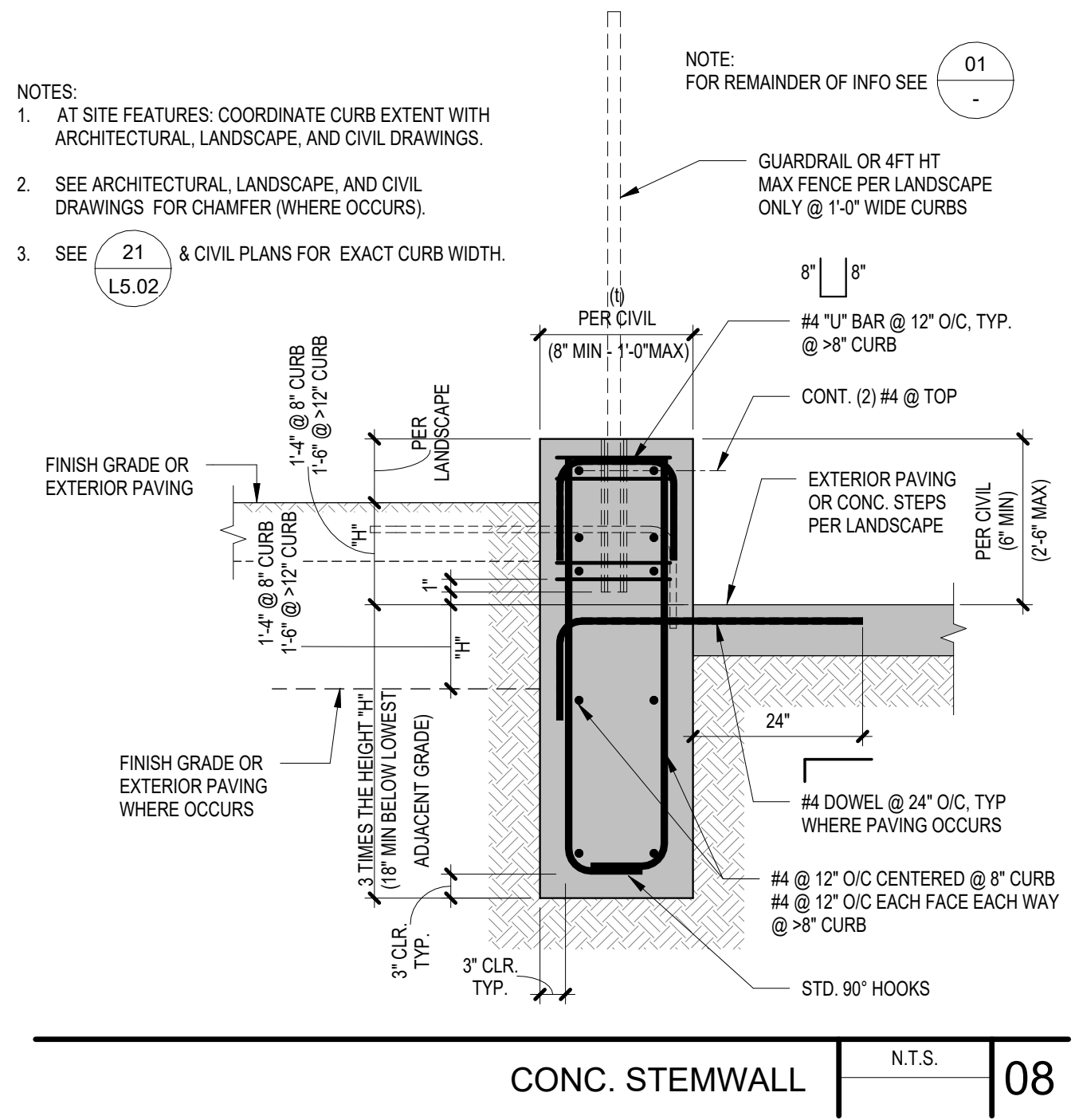
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RETAINING WALL			FOOTING		SHEAR KEY	
WALL HT MAX "H1"	WALL REINF EA FACE		FTG WIDTH "W"	FTG THICKNESS "T"	KEY DEPTH "Kd"	KEY VERT REINF
	VERT REINF	HORIZ REINF				
10'-0"	#6 @ 8" O/C	#4 @ 18" O/C	10'-0"	2'-0"	42"	#6 @ 12" O/C



TYPICAL SECTION

TYP CONC RETAINING WALL & SCHED

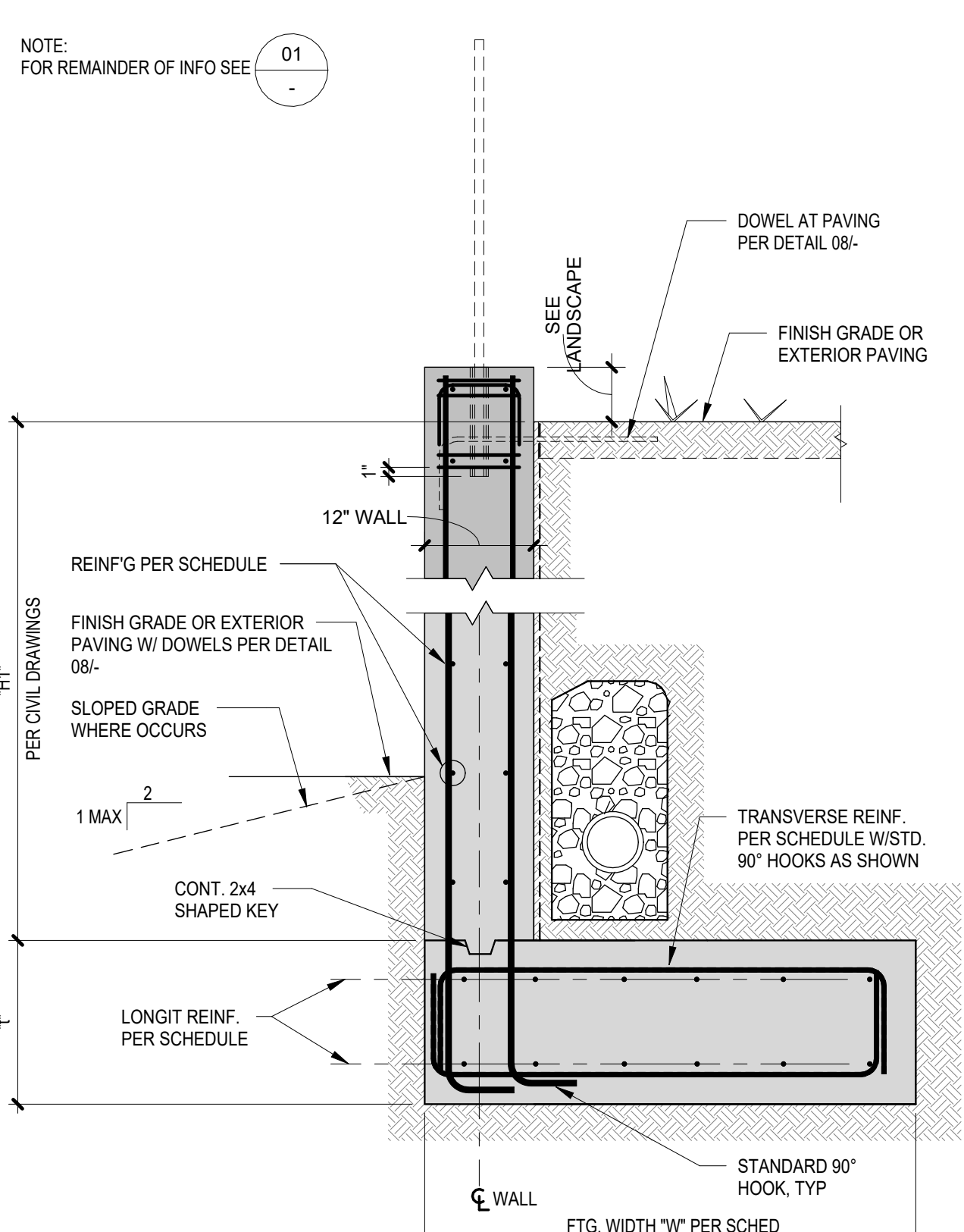
N.T.S. 11



CONC. STEMWALL

N.T.S. 08

RETAINING WALL SCHEDULE						
RETAINING WALL			FOOTING		SHEAR KEY	
WALL HT MAX "H1"	WALL REINF EA FACE		FTG WIDTH "W"	FTG THICKNESS "T"	KEY DEPTH "Kd"	KEY VERT REINF
	VERT REINF	HORIZ REINF				
10'-0"	#6 @ 8" O/C	#4 @ 18" O/C	10'-0"	2'-0"	42"	#6 @ 12" O/C

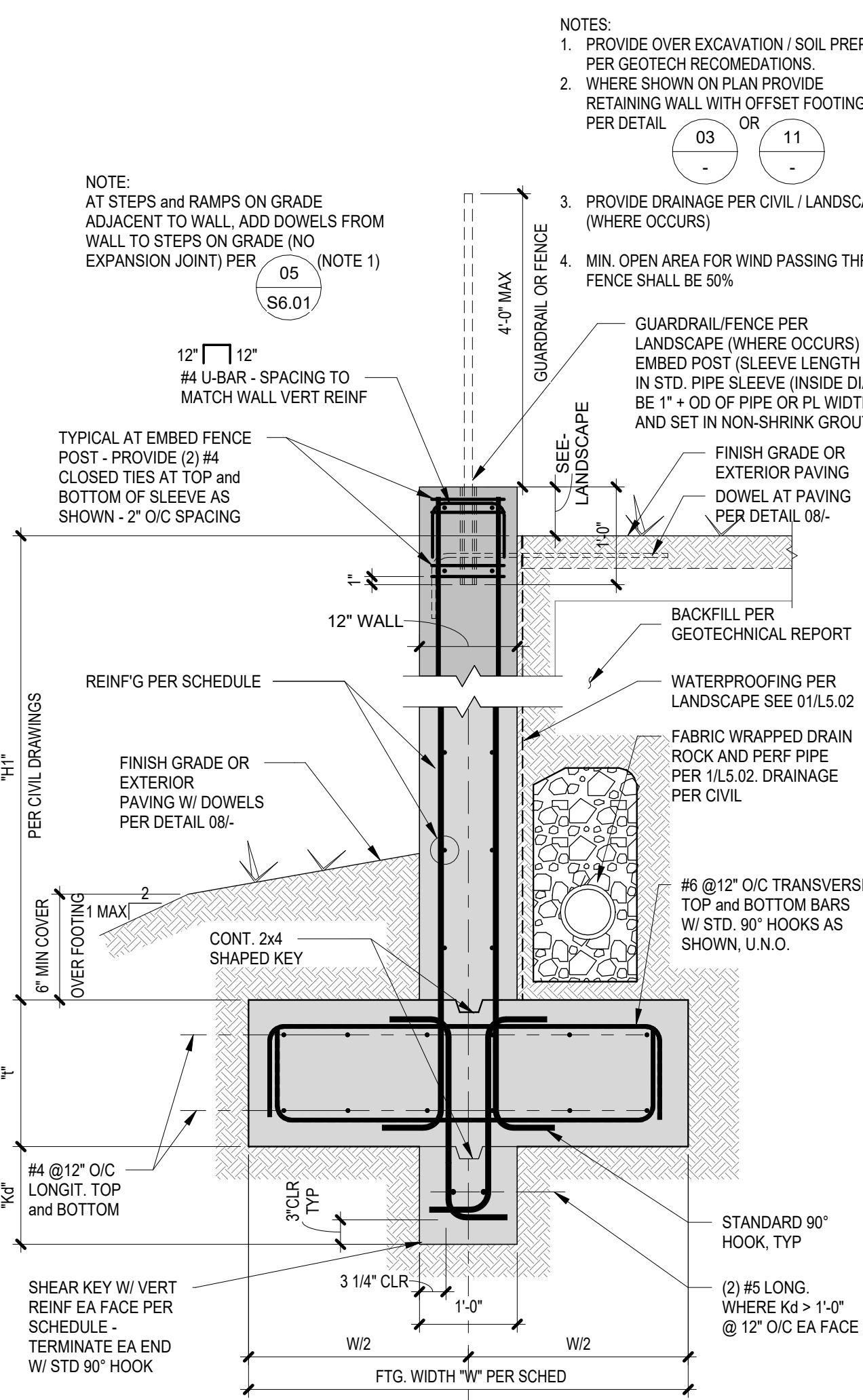


TYPICAL SECTION

CONC. RETAINING WALL W/ OFFSET
FOOTING

N.T.S. 03

RETAINING WALL SCHEDULE						
RETAINING WALL			FOOTING		SHEAR KEY	
WALL HT MAX "H1"	WALL REINF EA FACE		FTG WIDTH "W"	FTG THICKNESS "T"	KEY DEPTH "Kd"	KEY VERT REINF
	VERT REINF	HORIZ REINF				
10'-0"	#6 @ 8" O/C	#4 @ 18" O/C	10'-0"	2'-0"	42"	#6 @ 12" O/C



TYPICAL SECTION

TYPICAL 12" CONCRETE RETAINING WALL &
SCHED.

N.T.S. 01

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DIV. OF THE STATE ARCHITECT
APP: 03-125509 INC.
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 07/01/2026

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ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
949-261-1001 Office
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PROFESSIONAL
STRUCTURAL
ENGINEER
STATE OF CALIFORNIA
06/25/2026

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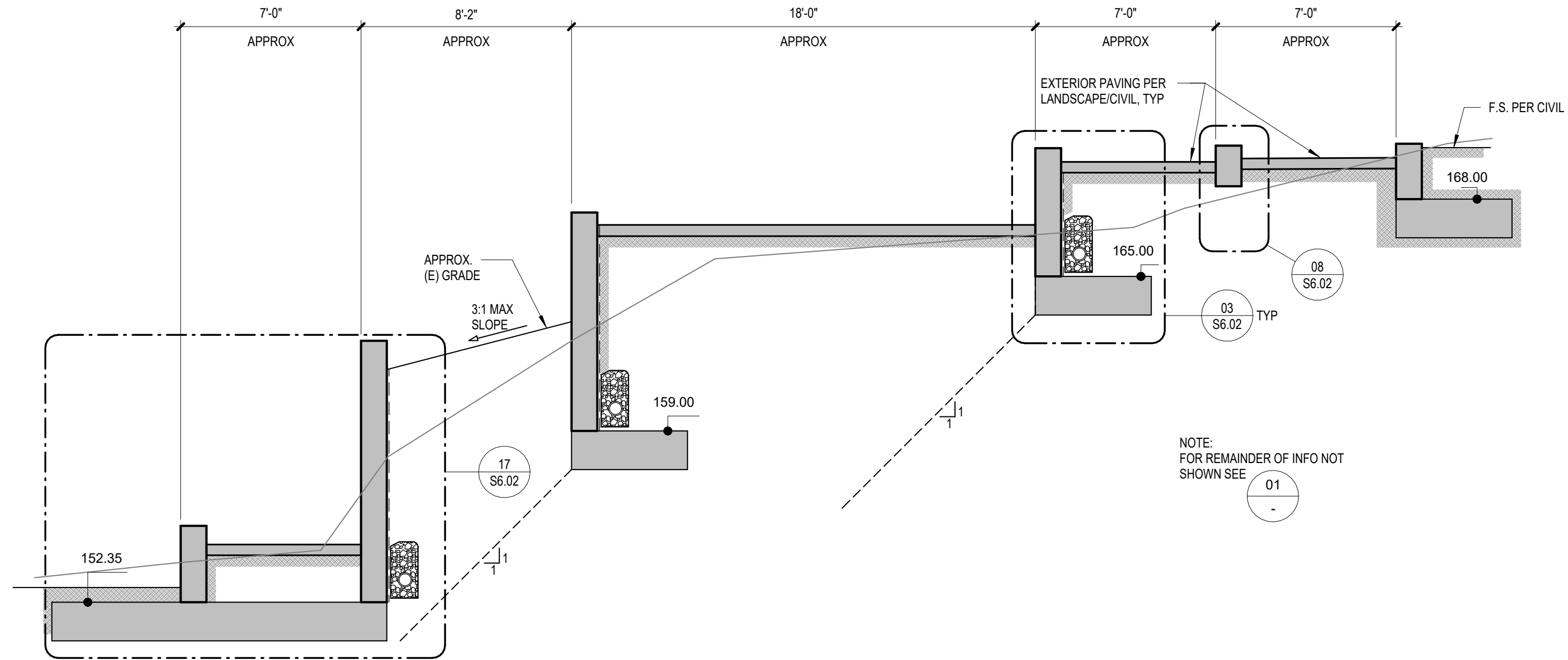
VENTURA HIGH SCHOOL
TRACK AND FIELD REPLACEMENT
AND BLEACHER UPGRADES
2 NORTH CATALINA STREET
VENTURA, CA 93001
Developed for
VENTURA UNIFIED SCHOOL DISTRICT

Date	
Revision	
Date	
Submit	
100% DESIGN DEVELOPMENT	01/11/2025
100% CONSTRUCTION DOCS	05/01/2025
DSA BACKCHECK	02/05/2026
DSA BACKCHECK	07/01/2026
Job Number	32321
Checked By	NP
Scale	

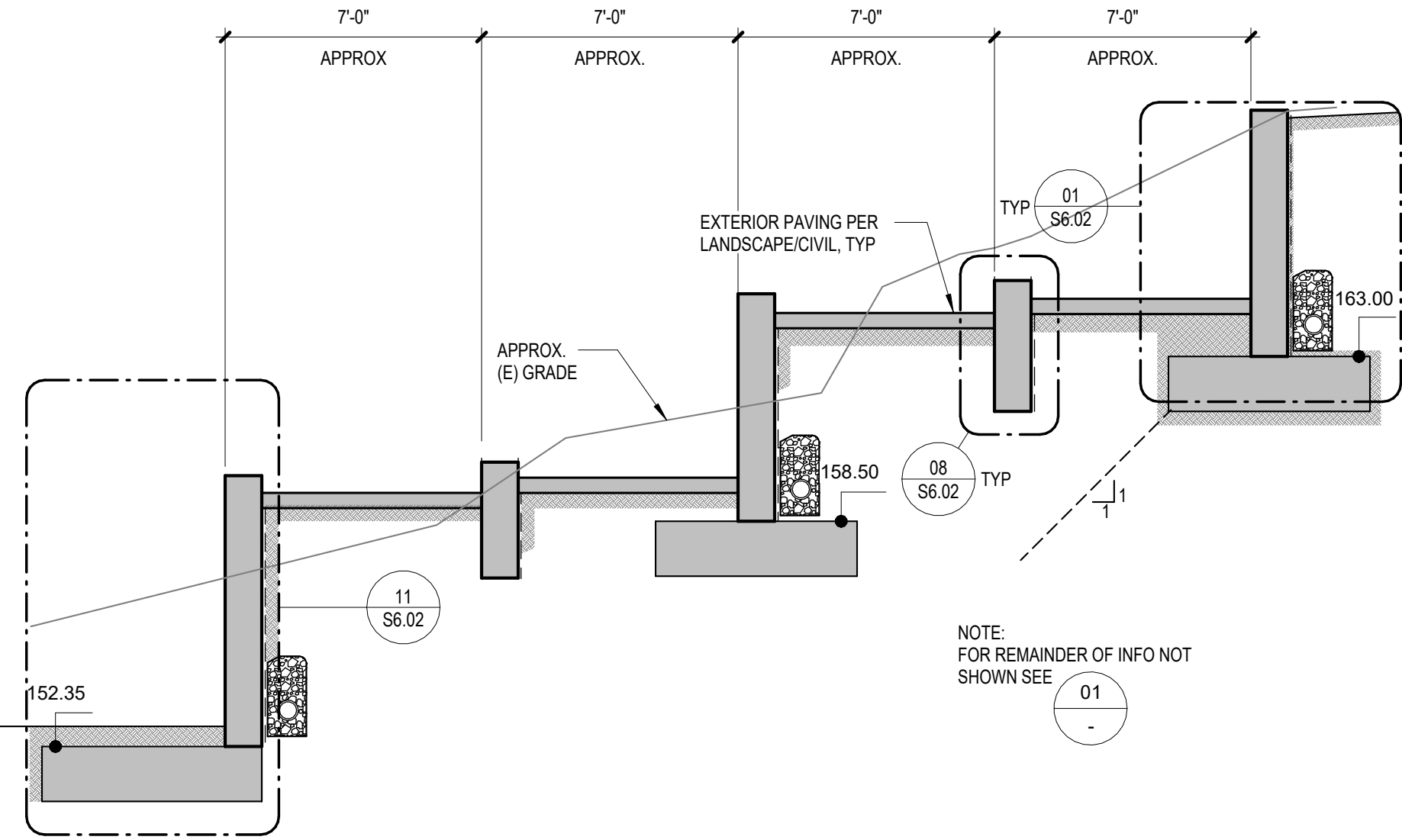
SITE FOUNDATION
DETAILS

S6.02

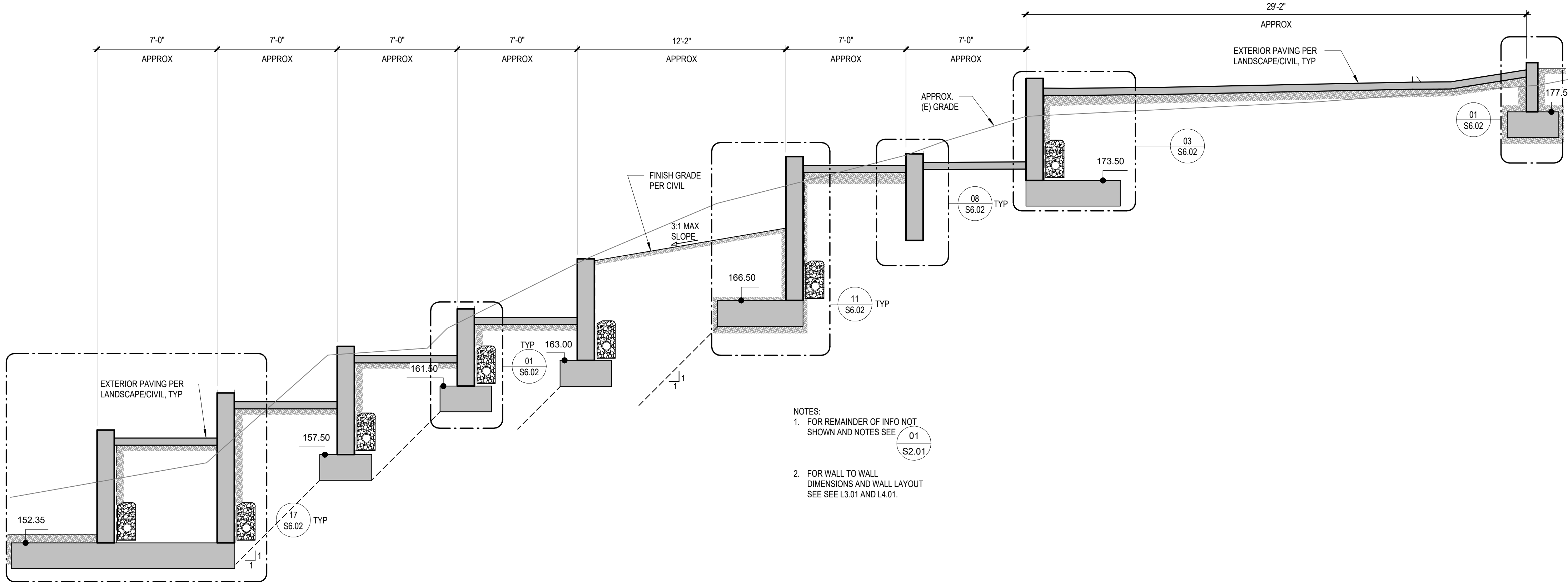




SECTION AT WALLS 1/4" = 1'-0" 04



SECTION AT WALLS 1/4" = 1'-0" 03



SECTION AT RAMP 1/4" = 1'-0" 01

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125509 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 07/01/2026



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TRACK AND FIELD REPLACEMENT
AND BLEACHER UPGRADES

2 NORTH CATALINA STREET
VENTURA, CA 93001

Developed for
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Date	
Revision	

Submital	Date
100% DESIGN DEVELOPMENT	03/11/2025
100% CONSTRUCTION DOCS	05/01/2025
DSA BACKCHECK	02/05/2026
DSA BACKCHECK	07/01/2026

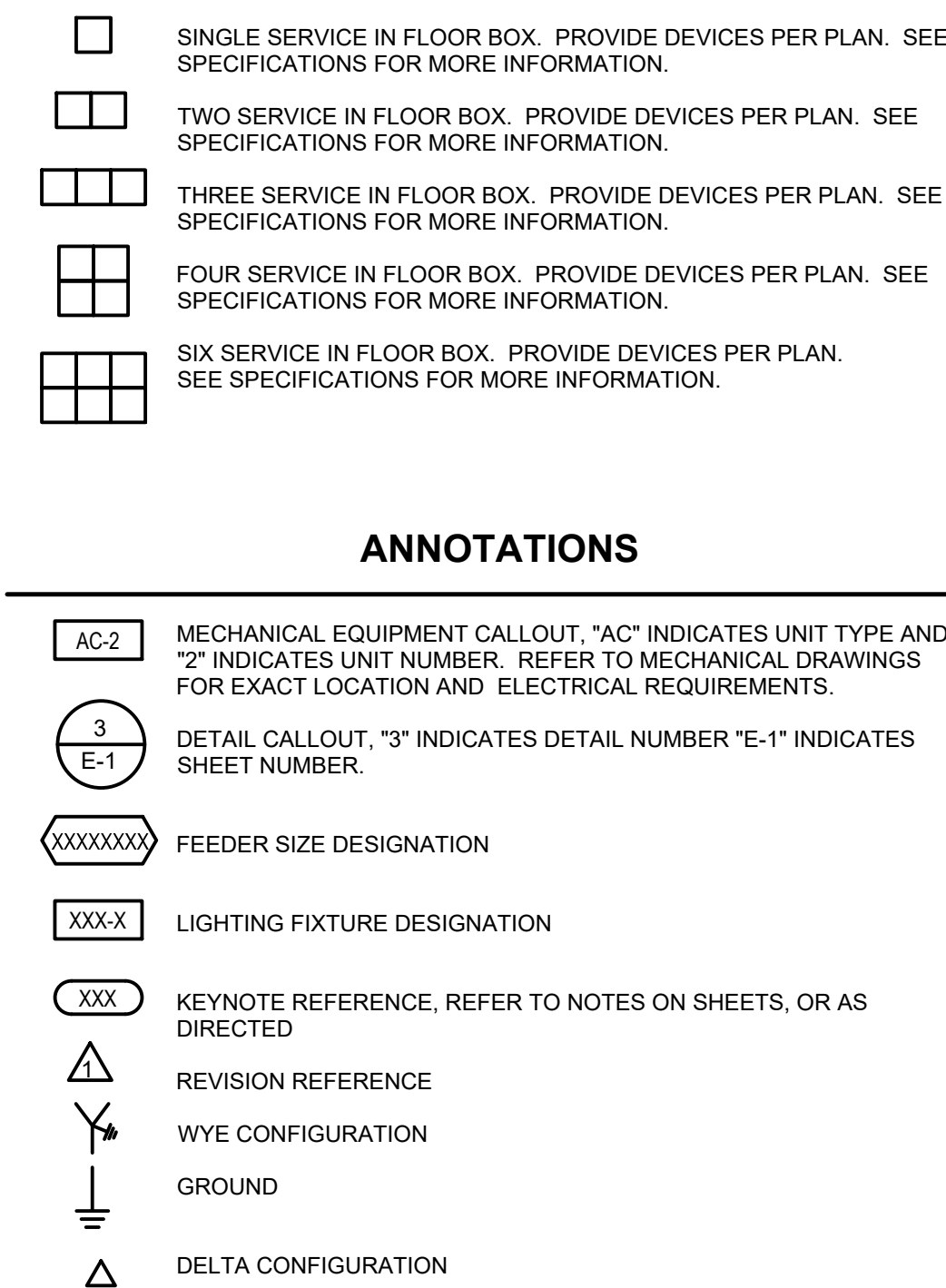
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Scale	

WALL SECTIONS

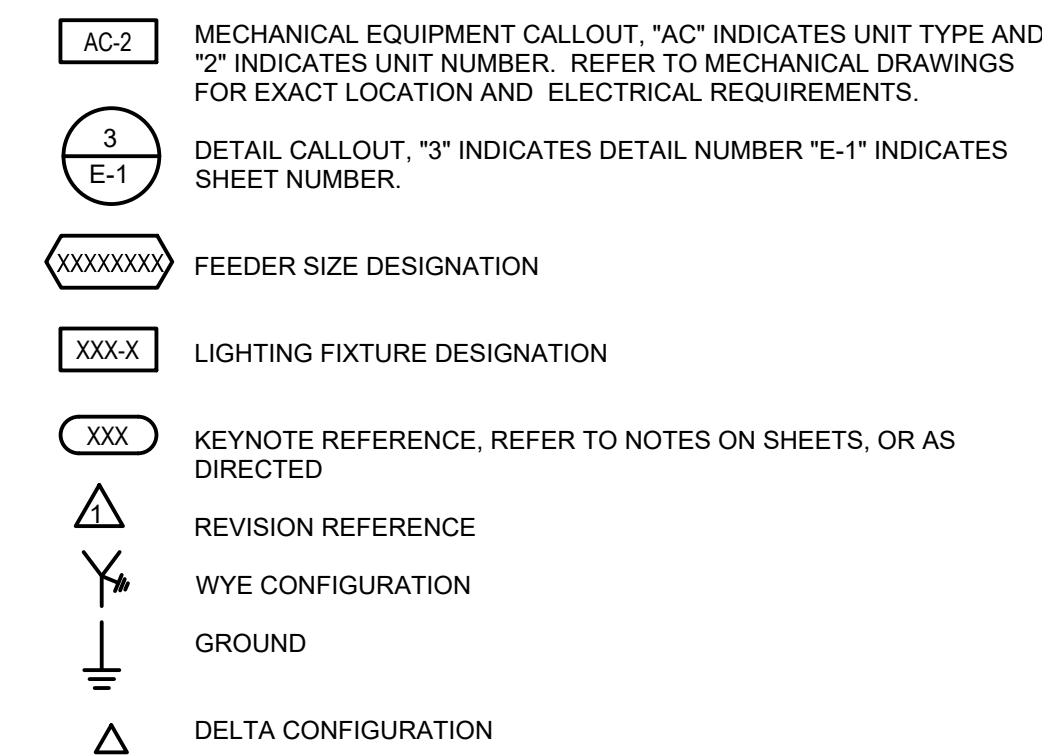
ABBREVIATIONS

4SD/ADA	4" SQUARE BY 2 1/8" DEEP BOX
A.F.A.	AMERICAN WITH DISABILITIES ACT
A.F.G.	ABOVE FINISH GRADE
AWG	AMERICAN WIRE GAUGE
AMP	AMPERE
A.I.C.	AMPERES INTERRUPTING CAPACITY (SYMMETRICAL)
AFIAT	AMP FRAME, AMP TRIP
AHJ	AUTHORITY HAVING JURISDICTION
AS/AF	AMP SWITCH, AMP FUSE
ATS	AUTOMATIC TRANSFER SWITCH
AVG	AVERAGE
BDF	BUILDING DISTRIBUTION FRAME
BR	BRANCH
BUDG	BUILDING
CEC	CALIFORNIA ELECTRICAL CODE
CIRC., CKT.	CIRCUIT BREAKER
C.S.FD	COMBINATION SMOKE FIRE DAMPER
C	CONDUIT
CONN	CONDUIT ONLY, COMPLETE WITH PULLSTRING
CPT	CONNECTED
CLCB	CONTROL POWER TRANSFORMER
CLF	CURRENT LIMITING CIRCUIT BREAKER
CT	CURRENT LIMITING FUSE
CT	CURRENT TRANSFORMER
(D)	EXISTING TO BE DEMOLISHED
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
E.C.	ELECTRICAL CONTRACTOR
EMS	ENERGY MANAGEMENT CONTROL SYSTEM
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COLIER
E.P.O.	EMERGENCY POWER OFF
E-OL	END-OF-LINE CIRCUIT TERMINATOR
EF	EXHAUST FAN
EIG	EQUIPMENT GROUND (GREEN)
EP	EXPLOSION PROOF
(E)	EXISTING EQUIP. TO REMAIN
(EPN)	EXISTING EQUIP. TO BE RELOCATED (*CORRESPONDS TO NEW LOCATION)
FT or 'f	FEET
FA	FIRE ALARM
FLA	FULL LOAD AMPS
GRD	GROUND
GRD	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FULT PROTECTION
GEC	GROUNDING ELECTRODE CONDUCTOR
HACR	HEATING AIR CONDITIONING REFRIGERATION
HOA	HAND-OFF-AUTO
HVC	HEATING, VENTILATING AND AIR CONDITIONING
H, W, D, L	HEIGHT, WIDTH, DEPTH, LENGTH
HID	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
IN, or "	INCHES
IG	ISOLATED GROUND
IDF	INTERMEDIATE DISTRIBUTION FRAME
JBOX	JUNCTION BOX
K	DEGREE KELVIN
KOMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERES
KWH	KILOWATT
KWHr	KILOWATT HOUR
LCL	LONG CONTINUOUS LOAD
L.F.	LINEAR FEET
LTG, LTS	LIGHTING
LPS	LOW PRESSURE SODIUM
MAX.	MAXIMUM
MDF	MAIN DISTRIBUTION FRAME
MOCP	MAXIMUM OVERCURRENT PROTECTION
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
M.C.	MECHANICAL CONTRACTOR
E-M	METER
MM	METER MAIN
MV	MERCURY VAPOR
MH	METAL HALIDE
MIN.	MINIMUM
MCA	MINIMUM CIRCUIT AMPS
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILS
MCP	MOTOR CIRCUIT PROTECTOR
MFR	MANUFACTURER
MTD	MOUNTED
MW	MICROWAVE
(N)	NEW
NATS	NON AUTOMATIC DISCONNECT
NES	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION
NC	NORMALLY CLOSED
NO	NORMALLY OPENED
NF	NON-FUSED
NIC	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NL	NIGHT LIGHT
NO. or #	NUMBER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
%Z	PERCENT IMPEDANCE
PH	PHASE
P.C.	PHOTOCELL
P.C.	PLUMBING CONTRACTOR
P	POLY
PV	POLY VINYL CHLORIDE
PDU	POWER DISTRIBUTION UNIT
PRMRY	OVER 600 VOLTS
PROVIDE	FURNISH, INSTALL AND CONNECT
PT	POTENTIAL TRANSFORMER
R	PUBLIC ADDRESS
REC. RECEPT	EXISTING RELOCATED
REF	RECEPTACLE
RGS	REFRIGERATOR
RGS	RIGID GALVANIZED STEEL
RMS	ROOT MEAN SQUARE
SCS	SHORT CIRCUIT CURRENT
SCS	STRUCTURAL CABLEING SYSTEM
SFD	SMOKE FIRE DAMPER
SECONDARY	600 VOLTS AND LESS
SMA/CNA	STRUCTURAL & AIR COND. CONTRACTORS' NATIONAL ASSOCIATION
SQ	SQUARE
TC	TIMECLOCK
TEL/DATA	TELEPHONE AND DATA
TV	TELEVISION
T.V.S.S.	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
U.G.P.S.	UNDERGROUND PULL SECTION
U.O.N.	UNLESS OTHERWISE NOTED
U.P.S.	UNINTERRUPTABLE POWER SYSTEM
VAV	VARIABLE AIR VOLUME
V	VOLTS
VA	VOLT AMPERES
VD	VOLTAGE DROP
WP	WEATHERPROOF
W	WIRE
XFMR	TRANSFORMER
XX	EXISTING EQUIP. TO BE DEMOD

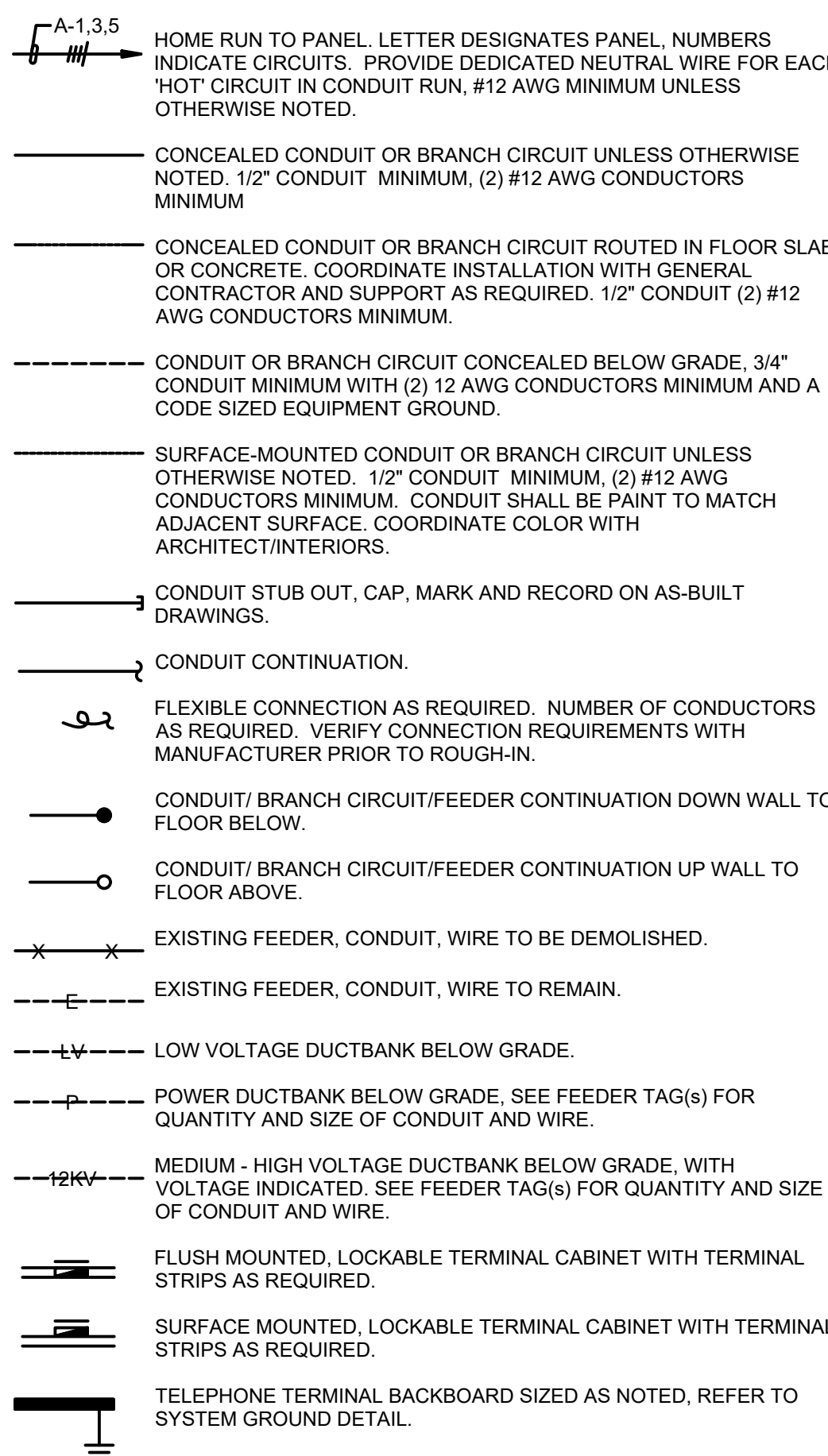
FLOOR BOX / SPECIALTY WALL BOX SYMBOLS



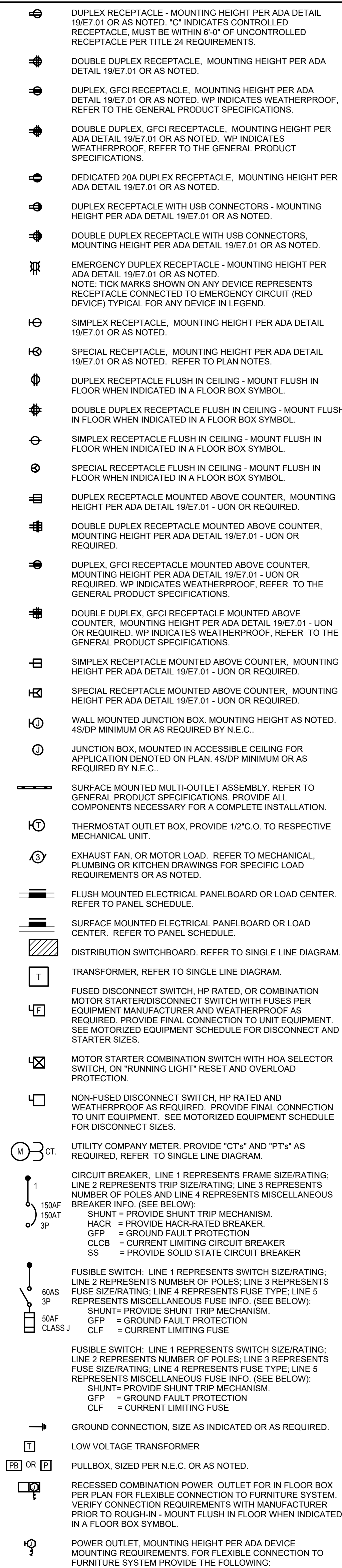
ANNOTATIONS



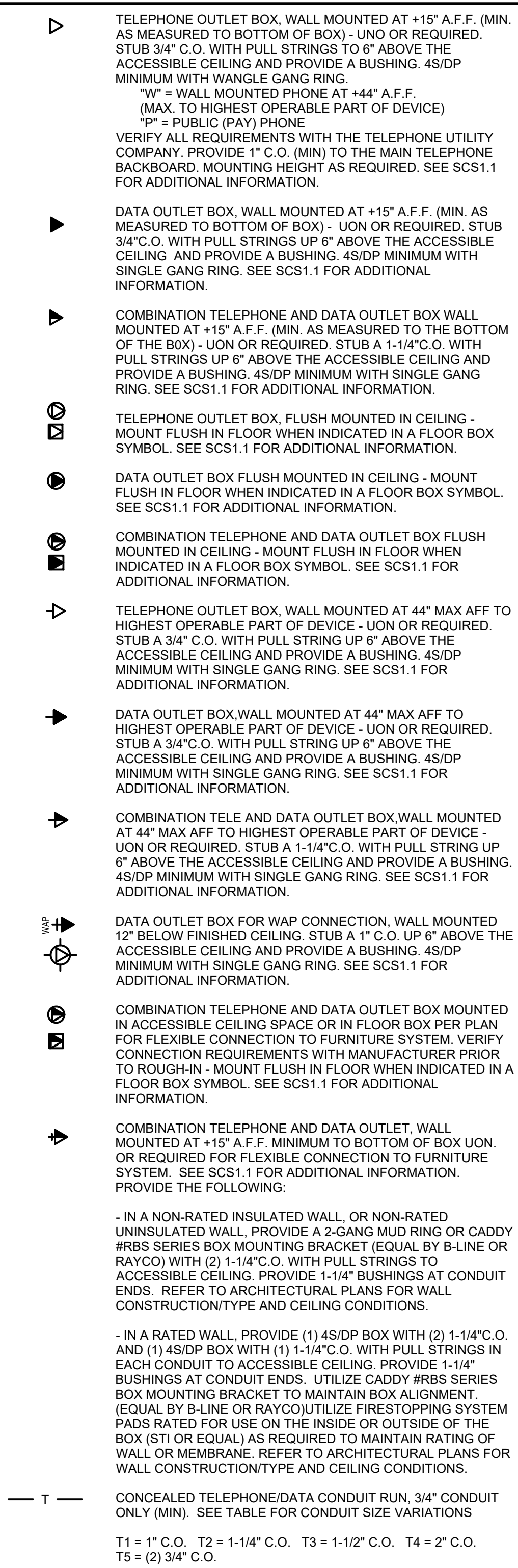
BRANCH CIRCUIT SYMBOLS



POWER SYMBOLS



TELEPHONE / DATA SYMBOLS



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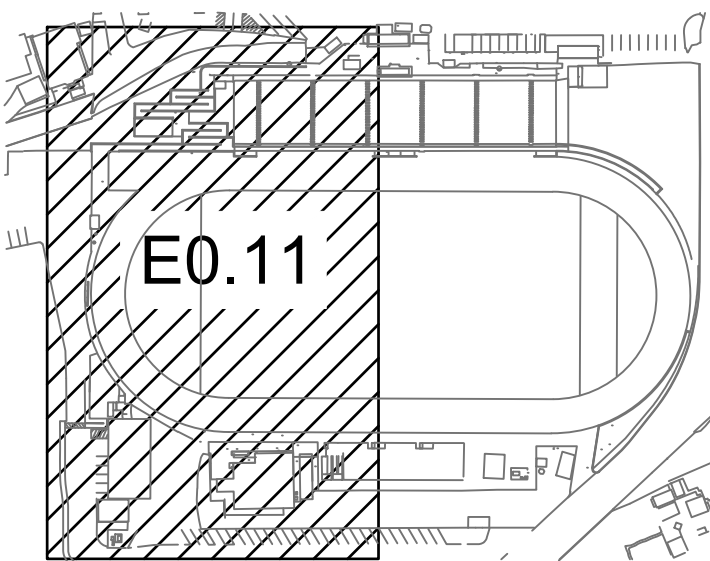
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100% DESIGN DEVELOPMENT	04/11/2025
50% CONSTRUCTION DOCS	07/24/2025
100% CONSTRUCTION DOCS	09/01/2025
DSA BACKCHECK	02/05/2026
DSA BACKCHECK V3	03/10/2026
DSA SUBMITTAL	07/01/2026

Job Number	32321
Checked By	AB
Scale	



NOTES

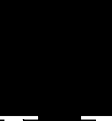
KEYMAP



E0.11



26.02	EXISTING ELECTRICAL AND COMMUNICATION UNDERGROUND CONDUITS AND WIRES TO BE RELOCATED. PULL CONDUCTORS BACK TO SOURCE/PULL BOX AND REFER TO NEW WORK SITE PLAN FOR NEW ROUTING
26.04	EXISTING ELECTRICAL INGRADE BOX TO BE DEMOLISHED
26.06	EXISTING ELECTRICAL UNDERGROUND CONDUIT AND WIRES TO BE RELOCATED. DISCONNECT FEEDERS TO THE PULL BOX UPSTREAM. REFER TO NEW WORK SITE PLANS FOR RECONNECTIONS
26.07	EXISTING LIGHTING UNDERGROUND CONDUITS AND WIRES TO BE DISCONNECTED AND RELOCATED. REFER TO NEW WORK SITE PLAN FOR RECONNECTIONS
26.09	EXISTING CONDUITS TO BE DEMOLISHED. EXISTING ELECTRICAL AND COMMUNICATION FEEDERS TO BE REMOVED AND RECONNECTED
26.10	SAW CUT EXISTING CONDUITS AT THIS LOCATION TO INSTALL NEW PULL-BOX AND PROTECT ALL WIRES FOR RECONNECTION WORKS



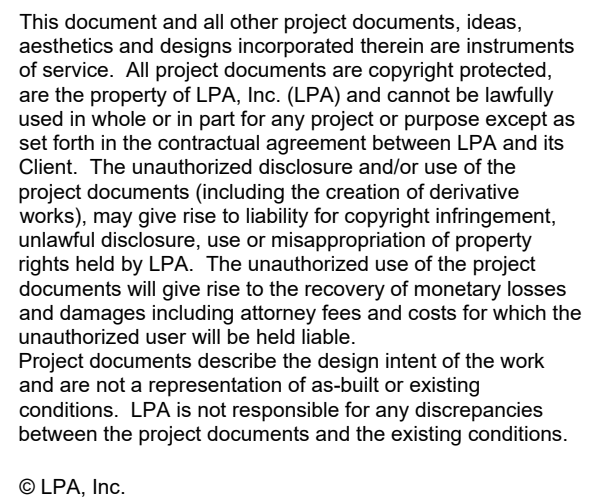
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A. MAKE ALL NECESSARY ALTERATIONS TO COORDINATE AND CONNECT THE EXISTING WITH THE NEW ELECTRICAL WORK TO THE END THAT WHEN THE WORK IS COMPLETE, THE ENTIRE ELECTRICAL INSTALLATION, EXISTING AND NEW, SHALL BE IN COMPLETE OPERATING CONDITION. THE DRAWINGS INDICATE THE WORK WHICH IS TO BE IN PLACE AT THE COMPLETION OF THE INSTALLATION

ELECTRICAL DEMOLITION SITE PLAN



NOTES

A. MAKE ALL NECESSARY ALTERATIONS TO COORDINATE AND CONNECT THE EXISTING WITH THE NEW ELECTRICAL WORK TO THE END THAT WHEN THE WORK IS COMPLETE, THE ENTIRE ELECTRICAL INSTALLATION, EXISTING AND NEW, SHALL BE IN COMPLETE OPERATING CONDITION. THE DRAWINGS INDICATE THE WORK WHICH IS TO BE IN PLACE AT THE COMPLETION OF THE INSTALLATION

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VENTURA INDEPENDENT SCHOOL DISTRICT

E0.21

E-1102	EXISTING ELECTRICAL UNDERGROUND CONDUITS AND WIRES TO REMAIN IN PLACE
E-1104	INSTALL IN-GRADE COMBOX WITH GFCI WEATHERPROOF DUPLEX RECEPTACLE AND DATA WITH UL COMPLIANT OUTDOOR RATED LOCKABLE ENCLOSURE AND FACE PLATE
E-1105	INSTALL IN-GRADE COMBOX WITH NEW GFCI WEATHERPROOF DUPLEX RECEPTACLE WITH OUTDOOR RATED LOCKABLE ENCLOSURE AND FACE PLATE. REFER TO LANDSCAPE DRAWING FOR EXACT LOCATIONS
E-1114	RECONNECT FEEDER FOR EXISTING PANEL "EML-1". RUN NEW WIRES IN NEW UNDERGROUND CONDUIT PATHWAY. REFER TO SINGLE LINE DIAGRAM FOR MORE INFORMATION ON FEEDER SIZING
E-1120	INSTALL NEW CONDUITS FOR COAXIAL CABLE POKING THROUGH WALL AND TRANSITIONING TO UNDERGROUND ROUTING
E-1121	NEW ELECTRICAL AND COMMUNICATION UNDERGROUND CONDUIT ROUTING AND RE-USE EXISTING CONDUCTORS FOR RECONNECTION AS REQUIRED.
E-1122	NEW LIGHTING UNDERGROUND CONDUIT ROUTING, RE-USE EXISTING CONDUCTORS AND CIRCUITS FOR RECONNECTION



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A. MAKE ALL NECESSARY ALTERATIONS TO COORDINATE AND CONNECT THE EXISTING WITH THE NEW ELECTRICAL WORK TO THE END THAT WHEN THE WORK IS COMPLETE, THE ENTIRE ELECTRICAL INSTALLATION, EXISTING AND NEW, SHALL BE IN COMPLETE OPERATING CONDITION. THE DRAWINGS INDICATE THE WORK WHICH IS TO BE IN PLACE AT THE COMPLETION OF THE INSTALLATION

2 NORTH CATALINA STREET
VENTURA, CA 93001

Developed for
VENTURA UNIFIED SCHOOL DISTRICT

[illegible]

Submittal	Date
100% SCHEMATIC DESIGN	12/10/2024
100% DESIGN DEVELOPMENT	04/11/2025
50% CONSTRUCTION DOCS	07/24/2025
100% CONSTRUCTION DOCS	09/01/2025
DSA BACK-CHECK	02/05/2026
DSA BACK-CHECK V3	03/10/2026
DSA SUBMITTAL	07/01/2026

Checked By	AB
Scale	1" = 20'-0"

E0.22



Branch Panel: EML-1 (E)														
LOCATION: BLOCK HOUSE SUPPLY FROM: EML MOUNTING SURFACE ENCLOSURE: NEMA 1						VOLTS: 120/240V PHASES: 1 WIRES: 3			A.I.C. RATING: EXISTING MAINS TYPE: MCB BUS RATING: 125 A MCB RATING: 100 A					
NOTES:														
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		POLES	TRIP	CIRCUIT DESCRIPTION	CKT			
1	(E) EMB POLE LIGHT 1	20 A	2	710 VA	450 VA	710 VA	450 VA	1	20 A	(E) PRESS BOX	2			
3	—	—	—	—	—	—	—	1	20 A	(E) SPORT LIGHT COIL	4			
5	(E) EMB POLE LIGHT 2	20 A	2	540 VA	450 VA	540 VA	450 VA	1	20 A	(E) PRESS BOX	6			
7	—	—	—	—	—	540 VA	450 VA	1	20 A	(E) PRESS BOX	8			
9	(E) UPPER PARKING LOT	30 A	1	900 VA	450 VA	900 VA	450 VA	1	20 A	(E) PRESS BOX	10			
11	(E) UPPER PARKING LOT	20 A	1	—	—	500 VA	450 VA	1	20 A	(E) PRESS BOX	12			
13	(E) LOAD	20 A	1	500 VA	300 VA	—	—	1	20 A	(E) EMB LIGHT COIL	14			
15	(E) BLOCK HOUSE EXT LIGHT	20 A	1	—	—	100 VA	300 VA	1	20 A	(E) AREA LIGHT COIL	16			
17	(E) LOAD	20 A	1	200 VA	200 VA	—	—	1	20 A	(E) EMB LIGHT COIL	18			
19	(E) LOAD	20 A	1	—	—	200 VA	0 VA	—	—	—	20			
21	POLE LIGHT	30 A	1	500 VA	0 VA	—	—	—	—	—	22			
23	SPACE	—	—	0 VA	0 VA	0 VA	280 VA	—	—	—	24			
25	SPACE	—	—	0 VA	0 VA	—	—	—	—	—	26			
27	WASH	100 A	2	—	—	—	0 VA	—	—	—	28			
29	—	—	—	—	0 VA	—	—	—	—	—	30			
31	—	—	—	—	0 VA	0 VA	0 VA	—	—	—	32			
33	—	—	—	0 VA	0 VA	—	—	—	—	—	34			
35	—	—	—	—	—	0 VA	0 VA	—	—	—	36			
37	—	—	—	0 VA	0 VA	—	—	—	—	—	38			
39	—	—	—	—	—	—	0 VA	0 VA	—	—	40			
41	—	—	—	0 VA	0 VA	—	—	—	—	—	42			
Total Load				4650 VA		3980 VA								
Total Amps:				38 A		33 A								
LEGEND:														
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals						
CONTINUOUS LOADS		0 VA		0.00 %		0 VA								
KITCHEN LOADS		0 VA		0.00 %		0 VA		Total Conn. Load: 9300 VA						
LIGHTING LOADS		8300 VA		125.00 %		10375 VA		Total Est. Demand: 10375 VA						
LARGEST MOTOR LOADS		0 VA		0.00 %		0 VA		Total Conn. Current: 38 A						
NON CONTINUOUS LOADS		0 VA		0.00 %		0 VA		Total Est. Demand Current: 43 A						
RECEPTACLE LOADS		0 VA		0.00 %		0 VA								
NOTES:														

Branch Panel: BH (E)														
LOCATION: BLOCKHOUSE						VOLTS: 240V				A.I.C. RATING: EXISTING				
SUPPLY FROM: SCE						PHASES: 3				MAINS TYPE: MCB				
MOUNTING SURFACE						WIRES: 4				BUS RATING: 600 A				
ENCLOSURE: NEMA 3R										MCB RATING: 450 A				
NOTES:														
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT	
1	(E) NO. MUSCO POLE 1	80 A	3	4570 VA		4570 VA				2	30 A	(E) SPARE	2	
3	---	---	---							---	---		4	
5	---	---	---					4570 VA		2	30 A	(E) SPARE	6	
7	(E) NO. MUSCO POLE 2	80 A	3	4570 VA		4570 VA	0 VA			---	---		8	
9	---	---	---					4570 VA	0 VA	---	---	SPACE	10	
11	---	---	---							---	---	SPACE	12	
13	(E) MUSCO CONTROL POWER	20 A	1	500 VA	0 VA			4570 VA	0 VA	---	---	SPACE	14	
15	UPRIGHT WALLWASH	30 A	1			100 VA	0 VA			---	---	SPACE	16	
17	COIL LIGHT REC	20 A	1						180 VA	---	---	SPACE	18	
19	SPACE	---	---	0 VA	0 VA					---	---	SPACE	20	
21	SPACE	---	---			0 VA	0 VA			---	---	SPACE	22	
23	(E) PORTABLE RR	80 A	2					5000 VA	0 VA	---	---	SPACE	24	
25	---	---	---	5000 VA	0 VA					---	---	SPACE	26	
27	SPACE	---	---			0 VA	0 VA			---	---	SPACE	28	
29	SPACE	---	---					0 VA	0 VA	---	---	SPACE	30	
31	---	---	---	0 VA	0 VA					---	---	SPACE	32	
33	---	---	---			0 VA	0 VA			---	---	SPACE	34	
35	---	---	---					0 VA	0 VA	---	---	SPACE	36	
37	---	---	---	0 VA	0 VA					---	---	SPACE	38	
39	---	---	---			0 VA	0 VA			---	---	SPACE	40	
41	---	---	---					0 VA	0 VA	---	---	SPACE	42	
Total Load:				14640 VA		6140 VA		14140 VA						
Total Amps:				61 A		36 A		59 A						
LEGEND:														
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals						
CONTINUOUS LOADS		500 VA		125.00 %		625 VA		Total Conn. Load: 37920 VA						
KITCHEN LOADS		0 VA		0.00 %		0 VA		Total Est. Demand: 44950 VA						
LIGHTING LOADS		27420 VA		125.00 %		34275 VA		Total Conn. Current: 91 A						
LARGEST MOTOR LOADS		0 VA		0.00 %		0 VA		Total Est. Demand Current: 108 A						
NON CONTINUOUS LOADS		10000 VA		100.00 %		10000 VA								
RECEPTACLE LOADS		0 VA		0.00 %		0 VA								
NOTES:														

Branch Panel: SL (E)															
LOCATION: ELECTRICAL EQUIP. ENCLOSURE SUPPLY FROM: DPH1 MOUNTING SURFACE ENCLOSURE: NEMA 3R						VOLTS: 240V PHASES: 3 WIRES: 4			A.I.C. RATING: EXISTING MAINS TYPE: M.C.O BUS RATING: 400 A MCB RATING:						
NOTES:															
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION		CKT	
1	(E) SWIMUSCO POLE 4	80 A	3	4357 VA	0 VA	4357 VA	0 VA	4357 VA	4800 VA	1	20 A	SPARE		2	
3		--	--	--	--	--	--	--	--	--	--	SPACE		4	
5		--	--	--	--	--	--	--	--	2	100 A	(E) A.T.S.		6	
7	(E) SWIMUSCO POLE 3	80 A	3	4357 VA	3700 VA									8	
9		--	--	--	--	4357 VA	500 VA	4357 VA	500 VA	2	20 A	(E) EAST TRACK LIGHT		10	
11		--	--	--	--	--	--	--	--	--	--	--	--	12	
13	(E) TANK HEATER	20 A	1	500 VA	0 VA							SPACE		14	
15	SPACE	--	--	--	--	0 VA	500 VA	5500 VA	500 VA	2	20 A	(E) ISO PARKING LOT		16	
17	(E) PORTABLE RR	100 A	2											18	
19		--	--	5500 VA	0 VA							SPACE		20	
21	SPACE	--	--	--	--	0 VA	500 VA			2	20 A	(E) ISO PARKING LOT		22	
23	(E) RECEIPT. IN FIELD	80 A	2					2200 VA	500 VA					24	
25		--	--	2200 VA	0 VA							SPACE		26	
27	SPACE	--	--	--	--	0 VA	500 VA			2	20 A	(E) ISO PARKING LOT		28	
29	(E) BATTERY CHARGER	20 A	1					500 VA	500 VA					30	
31	(E) MUSCO CONTROL	20 A	1	500 VA	0 VA							SPACE		32	
33	SPACE	--	--	--	--	0 VA	0 VA					SPACE		34	
35	FIELD GFCI	20 A	1					720 VA	0 VA					36	
37	FIELD GFCI	20 A	1	350 VA	0 VA							SPACE		38	
39		--	--	--	--			0 VA	0 VA			SPACE		40	
41		--	--	--	--							SPACE		42	
Total Loads				21474 VA		10714 VA		24234 VA							
Total Amps				89 A		45 A		101 A							
LEADS:															
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals							
CONTINUOUS LOADS		500 VA		125.00 %		625 VA									
KITCHEN LOADS		0 VA		0.00 %		0 VA									
LIGHTING LOADS		30142 VA		125.00 %		37678 VA		Total Conn. Load: 56422 VA							
LARGEST MOTOR LOADS		0 VA		0.00 %		0 VA		Total Est. Demand: 54083 VA							
NON CONTINUOUS LOADS		20300 VA		100.00 %		20300 VA		Total Conn. Current: 158 A							
RECEPTACLE LOADS		5480 VA		100.00 %		5480 VA		Total Est. Demand Current: 154 A							
NOTES:															



ARCHITECTURE ENGINEERING INTERIOR DESIGN
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VENTURA HIGH SCHOOL
TRACK AND FIELD REPLACEMENT
AND BLEACHER UPGRADES
2 NORTH CATALINA STREET
VENTURA, CA 93001
Developed for
VENTURA UNIFIED SCHOOL DISTRICT

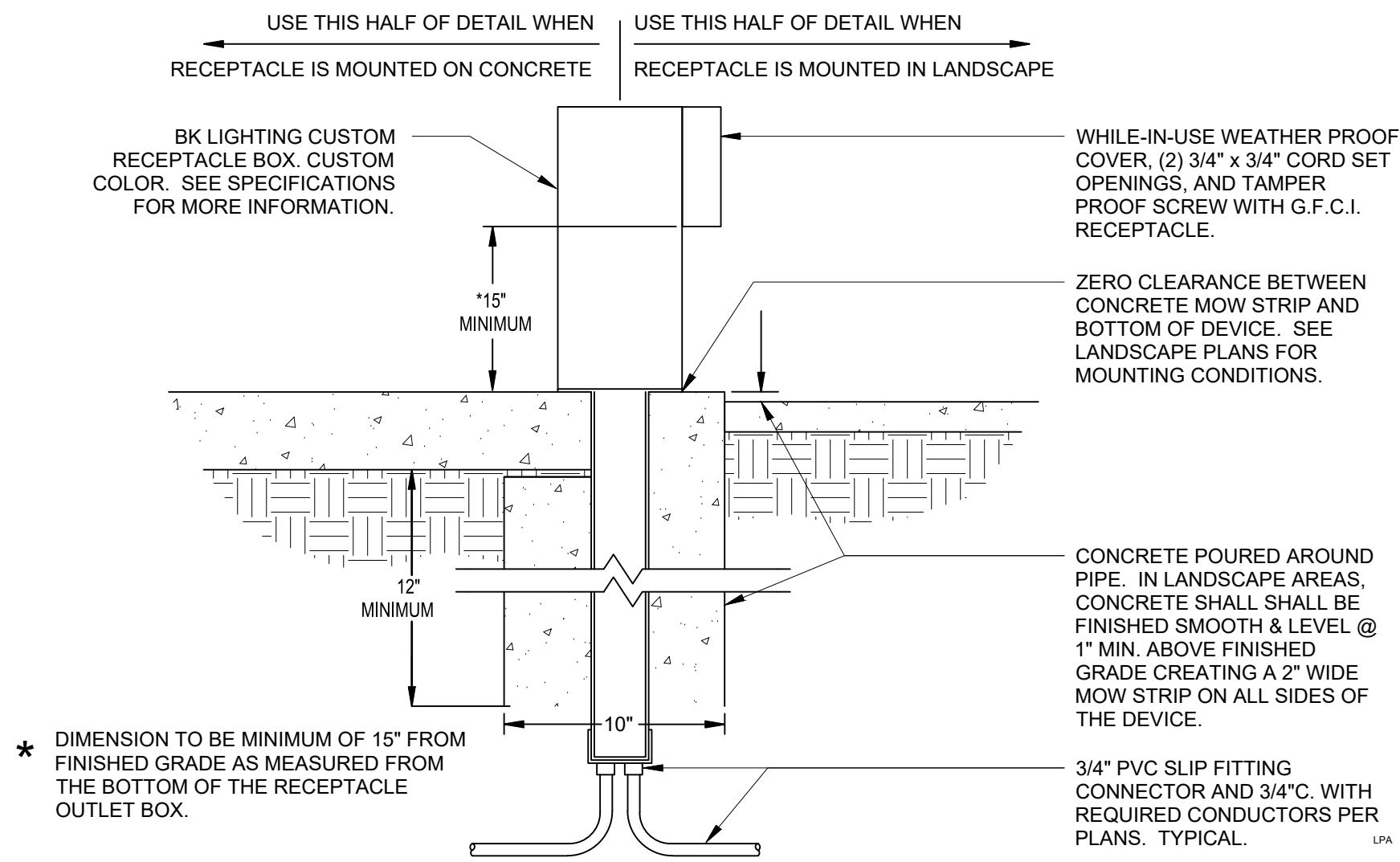
Revision	Date

Submital	Date
100% SCHEMATIC DESIGN	12/10/2024
50% CONSTRUCTION DOCUMENTS	07/24/2025
100% CONSTRUCTION DOCUMENTS	08/01/2025
DSA BACKCHECK	02/05/2026
DSA BACKCHECK V3	03/11/2026
DSA SUBMITTAL	07/01/2026

Job Number	32321
Checked By	AB
Scale	

ELECTRICAL
DETAILS

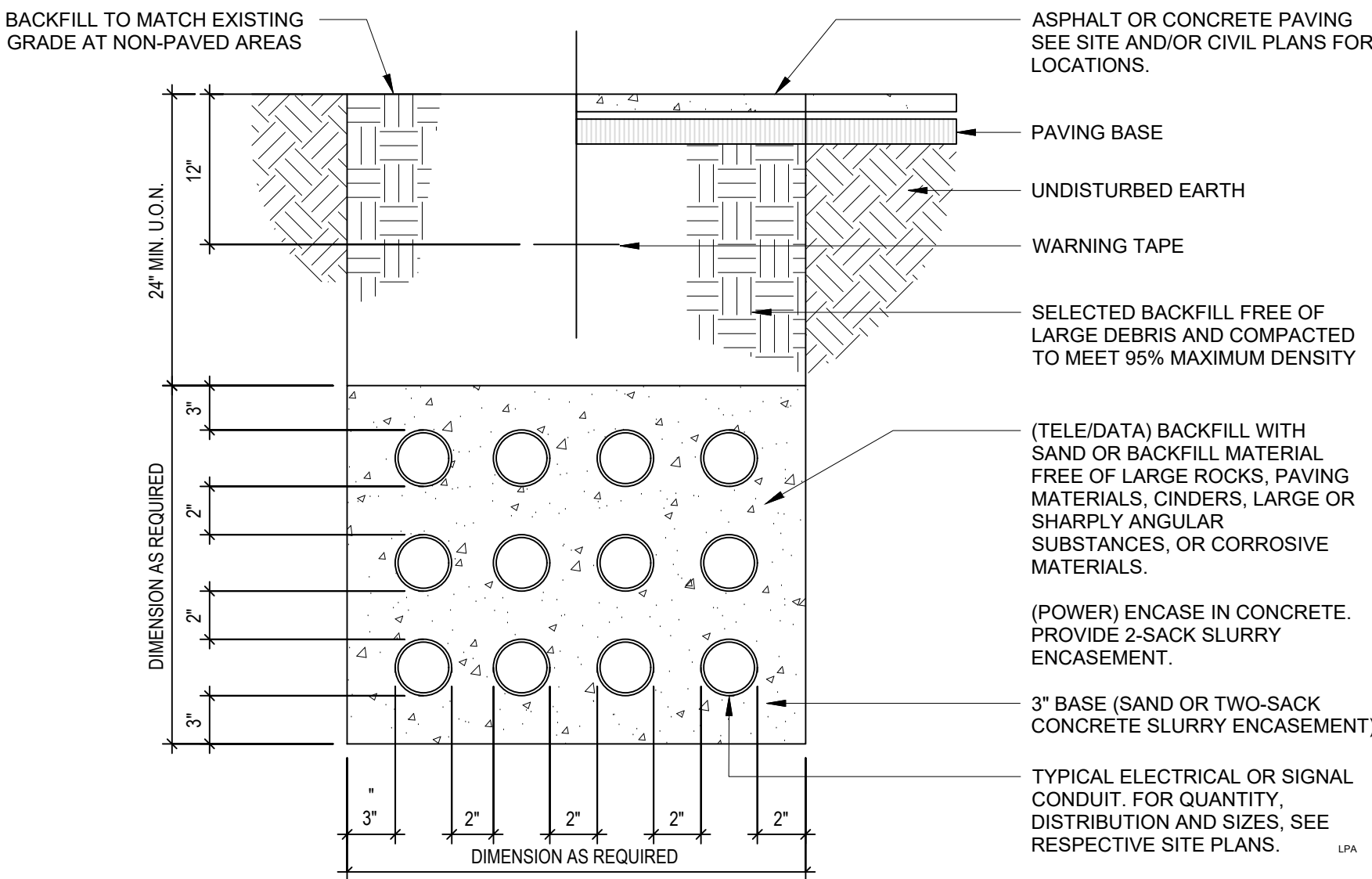
E7.01



SITE POWER/DATA RECEPTACLE (TYPICAL)

NTS

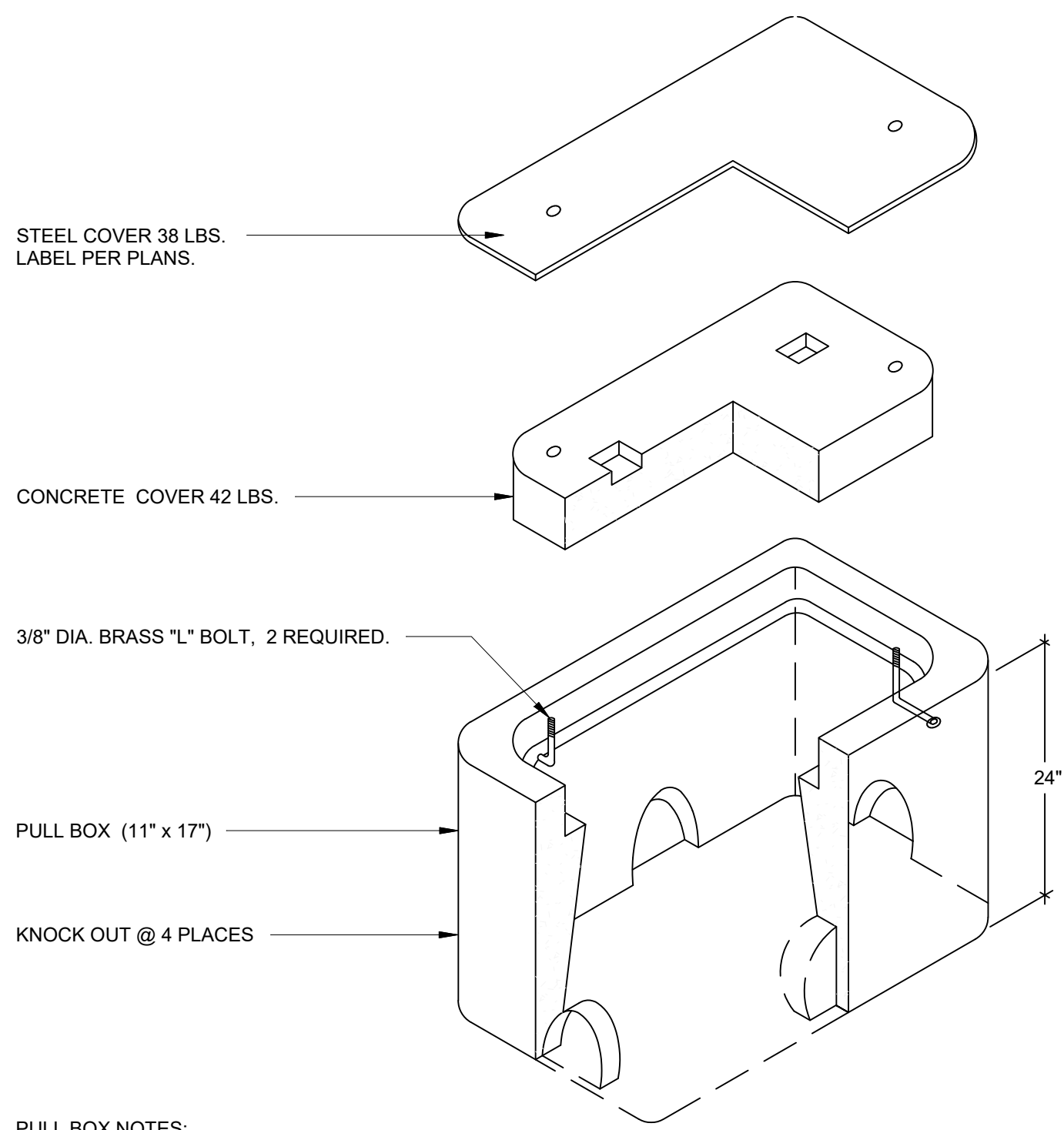
19



UNDERGROUND DUCTBANK SECTION (DIRECT BURIAL) TYPICAL

NTS

11



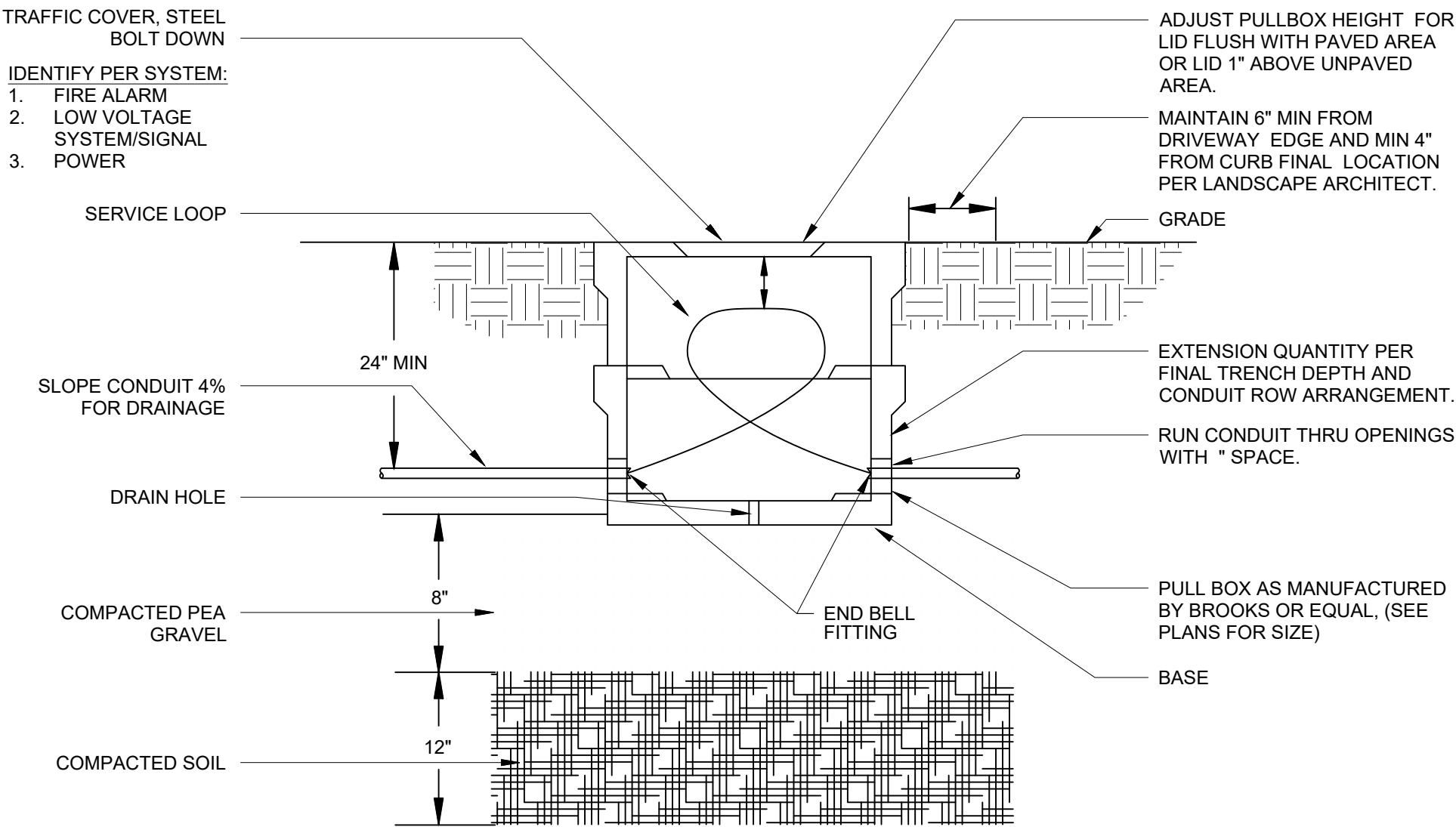
PULL BOX NOTES:

- ALL BOXES SHALL BE SET ON A MINIMUM 8" GRAVEL BASE WITH 1/2" DIAMETER GRAVEL.
- ALL INCIDENTAL CONCRETE SHALL BE REMOVED FROM BOXES.
- ALL CONDUITS SHALL HAVE RIGID STEEL RISERS TERMINATING 4" BELOW THE COVER OF THE PULL BOX.
- THE RIGID STEEL SHALL BE WRAPPED W/2" HALF-LAPPED 3M INSULATING TAPE OR APPROVED BITUMINOUS COATING (ALL SURFACES). SUBMIT METHOD FOR APPROVAL.
- PROVIDE WATERTIGHT SPLICES AND CAPS FOR COMMUNICATION AND POWER CONDUCTORS.
- PROVIDE SEALING GEL IN ALL CONDUITS (BOTH W/ CONDUCTORS AND IN EMPTY SPARE CONDUITS.) THE GEL SHALL BE INSERTED IN THE CONDUIT TO A DEPTH OF 6" AND FLUSH WITH THE END OF THE CONDUIT. THE GEL SHALL BE MANUFACTURED BY WATERGUARD INDUSTRIES ONLY.
- PROVIDE IDENTIFYING TAGS ON ALL POWER AND COMMUNICATION CONDUCTORS IN PULL BOXES.
- SEE PULL-BOX/MAN-HOLE GROUNDING DETAIL FOR ADDITIONAL GROUNDING INFORMATION.

11x17 PULL BOX (TYPICAL)

NTS

03



PULL BOX NOTES:

- ALL BOXES SHALL BE SET ON A GRAVEL BASE WITH 1" DIAMETER GRAVEL. DEPTHS PER DETAIL.
- ALL INCIDENTAL CONCRETE SHALL BE REMOVED FROM BOXES.
- PROVIDE WATERTIGHT SPLICES AND CAPS FOR POWER CONDUCTORS.
- PROVIDE SEALING GEL IN ALL CONDUITS (BOTH W/ CONDUCTORS AND IN EMPTY SPARE CONDUITS.) GEL SHALL BE INSERTED IN THE CONDUIT TO A DEPTH OF 6" AND FLUSH W/ THE END OF THE CONDUIT. THE GEL SHALL BE MANUFACTURED BY 3M #4442 RE-ENTERABLE ENCAPSULANT.
- PROVIDE IDENTIFYING TAGS ON ALL POWER AND COMMUNICATION CONDUCTORS IN PULL-BOXES.
- PULLBOX SHALL BE SIZED PER N.E.C. REQUIREMENTS.
- SEE PULL-BOX/MAN-HOLE GROUNDING DETAIL FOR ADDITIONAL GROUNDING INFORMATION.

PULL BOX TYPICAL

NTS

01

[illegible]

Submission	Date
100% SCHEMATIC DESIGN	12/10/2024
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DSA SUBMITTAL	07/01/2026

Job Number	32321
Checked By	AB
Scale	1" = 20'-0"

E9.01



07



1" = 20'-0"

05

Per CalGreen definition, lighting boundary is expanded to:

- the center of the adjacent public street, alley, or transit corridor.
- adjacent properties owned by the same entity.

CALGREEN BUG RATING ANALYSIS

17

ABBREVIATIONS

(A) AND
@ AREA (IN²)
AB ANCHOR BOLT
ABV ABOVE
ADDL ADDITIONAL
ADJ ADJACENT
LIVE LOAD
AGGR AGGREGATE
ALT ALTERNATE
ALUM ALUMINUM
ANCH ANCHOR
APRVD APPROVED
APPROX APPROXIMATELY
ARCH ARCHITECTURAL ARCHITECT

(B) BOTTOM
BD BOARD
BLDG BUILDING
BLK BLOCK
BLKM BLOCKING
BM BEAM
BN BOUNDARY NAIL
BOF BOTTOM OF FOOTING
BRG BRIDGE
BRCG BRACING
BSMT BASEMENT
BS BOUNDARY SCREW
BTW BETWEEN

CALCS CALCULATIONS
CANT CANTILEVER
CBC CALIFORNIA BUILDING CODE
CUBIC CUBIC FOOT
CG CENTER OF GRAVITY
CIP CAST IN PLACE
CONSTR CONSTRUCTION JOINT; CONTROL JOINT
CJP COMPLETE JOINT PENETRATION
CEL CENTER LINE
CLG CLEARANCE, CLEAR
CMU CONCRETE MASONRY UNIT
CO OUTSIDE FACE
COL COLUMN
COMP COMPRESSION
CONC CONCRETE
CONN CONNECT, CONNECTION
CONST CONSTRUCTION
CONT CONTINUE, CONTINUOUS
CONTR CONTRACTOR
CP COMPLETE PENETRATION
CTR CENTER
CTSK COUNTERSINK; COUNTERSUNK

d PENNY (NAIL OR d)
DBL DOUBLE
DEMO DEMOLITION
DEPT DEPARTMENT
DET DETAIL
DPL PARTIAL PENETRATION
DIA OR Ø DIAMETER
DIAO DIAGONAL
DIPR DIAPHRAGM
DIM DIMENSION
DIR DIRECTION
DIST DISTANCE
DL DEAD LOAD
DN DOWN
DITTO
DWG DRAWING
DWL DOWEL

(E) OR EXIST EXISTING
FOR EXAMPLE
EA EACH
EJ EACH FACE
EJ END JACK EXPANSION JOINT
EL ELEVATION
ELEV ELEVATION, ELEVATOR
EMB EMBED
ENG ENGR
ENGR ENGINEER
EOR ENGINEER OF RECORD
EOS EDGE OF SLAB
EQ EQUAL
EQUIP EQUIPMENT
EQUIV EQUIVALENT
ES EACH SIDE
ET CENTER
EW EACH WAY
EXT EXTERIOR

Fc CONCRETE COMPRESSION STRENGTH
Fm MASONRY COMPRESSION STRENGTH
FACE OF
Fd ALLOWABLE BENDING STRESS
FDN FLOOR DRAIN
FDM FOUNDATION
FF FINISH FLOOR
FN FINISH
FLR FLOOR
FN FIELD NAIL
FR FIREPROOF; FULL PENETRATION
FRMG FRAMING
FT FULL SIZE, FAR SIDE
FT FOOT, FEET
FTG FOOTING
Fy YIELD STRENGTH

GA GAUGE
GALV GALVANIZED
GB GRADE BEAM
GC GENERAL CONTRACTOR
GEN GENERAL
GLB GLUED LAMINATED BEAM
GR GRADE

(H) HORIZONTAL
H OR HORIZ HORIZONTAL

HCAI DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION
HD HOLDDOWN
HDR HEADER
HGR HANGER
HI HIGH
HP HEAVY PILING
HR HARD ROCK
HS HIGH STRENGTH
HT HEIGHT

I MOMENT OF INERTIA
I.e. THAT IS
IBC INTERNATIONAL BUILDING CODE
ID INSIDE DIAMETER
IF INSIDE FACE
IN INCH
INCL INCLUDE, INCLUDING
INFO INFORMATION
INSP INSPECTION, INSPECTOR
INT INTERIOR
INTERM INTERMEDIATE
INRV INTERMEDIATE

JST JOIST
JT JOINT
WWF WELDED WIRE FABRIC

k OR KIP 1,000 POUNDS
KO KNOCK-OUT
KP KING POST
KSF KIPS PER SQUARE FOOT
KSI KIPS PER SQUARE INCH

ABBREVIATIONS AND SYMBOLS

OR LBS POUND
(L) LONGITUDINAL
LAB LABORATORY
Ld DEVELOPMENT LENGTH
LEDEGR LEADER
Lg STANDARD HOOK DEVELOPMENT LENGTH
LIN LINEAL
LIN LINEAL, LINEAR
LLBB LONG LEGS BACK-TO-BACK
LLH LONG LEG HORIZONTAL
LLV LONG LEG VERTICAL
LOCS LOCATIONS
LONGIT LONGITUDINAL
LP LOW POINT

Lst TENSION LAP SPLICE LENGTH
LTWT LIGHTWEIGHT
LVL LEVEL

MAS MASONRY
MATERIAL
MAXIMUM
MB MACHINE BOLT
MD MEDIUM DENSITY FIBERBOARD
MECH MECHANICAL
MEZZ MEZZANINE
MFR MANUFACTURER
MID MIDDLE
MIN MINIMUM
MISC MISCELLANEOUS
MTL METAL

OR NO. NUMBER
(N) NEW
NORTH
NAT NATURAL
NF NEAR FACE
NOT IN CONTRACT
NSC NEAR SIDE
NTS NOT TO SCALE

ON CENTER
OD OUTSIDE DIAMETER
OF OUTSIDE FACE
OH OPPOSITE HAND
OPN OPENING
OPP OPPOSITE
OSB ORIENTED STRAND BOARD

// PARALLEL
PC PRECAST
PCF POUNDS PER CUBIC FOOT
PCF POUNDS PER CUBIC INCH
PDR POWDER DRIVEN FASTENERS
PE POLYETHYLENE, PROFESSIONAL ENGINEER
PERP OR ⊥ PERPENDICULAR
PI PLYWOOD IMITATOR
PL PLATE, PROPERTY LINE
PLF POUNDS PER LINEAL FOOT
PP PARTIAL PENETRATION
PLY PLYWOOD
PP PARTIAL PENETRATION
PRF PREFAB
PRKG PARKING
PRNG PRONG
PROP PROPERTY
PSF POUNDS PER SQUARE FOOT
PSI POUNDS PER SQUARE INCH
PTFE POLYTETRAFLUORETHYLENE (TEFLON)
PVC POLYVINYL CHLORIDE
PVM PAVEMENT

R OR RAD RADIUS
RD ROOF DRAIN
REF REFERENCE
REG REGULAR
REINF REINFORCE, REINFORCING
REQ REQUIRED
RET RETAINING
REV REVISION
RM ROOM
RO ROUGH OPENING

S ELASTIC SECTION MODULUS
SEE ARCHITECTURAL DRAWINGS
SCH SCHEDULE
SECT SECTION
SEL SELECT
SEP SEPARATION
SFRS SEISMIC FORCE RESISTING SYSTEM
SHT SHEET
SHTG SHEATHING
SIM SIMILAR
SJ SEISMIC JOINT, SIDE JACK
SLBB SHORT LEGS BACK-TO-BACK
SMB SHEET METAL SCREWS
SPRNG SPRING
SPCL SPECIAL
SPCS SPACES
SQ SQUARE
SSH SELECT STRUCTURAL
SSH SHORT SLOTTED HOLES
STAGG STAGGER
STD STANDARD
STIFF STIFFENER
STL STEEL
STRUCT STRUCTURAL
SW SHEAR WALL
SYM SYMMETRICAL
Σ SUM

(T) OR T TOP
(T) TRANSVERSE
T&B TOP & BOTTOM
T&G TONGUE & GROOVE
Tf TOP OF
TB TIE BEAM
TEMP TEMPERATURE, TEMPORARY
THK THICK
THROUGH
TL TOTAL LOAD
TN TOE NAIL
TOF TOP OF FOOTING
TOGB TOP OF GRADE BEAM
TOL TOP OF LEADER
TOS TOP OF STEEL
TOSH TOP OF SHEAR WALL
TOSL TOP OF SLAB
TOW TOP OF WALL
TRANSV TRANSVERSE
TSG TAPERED STEEL GIRDER
TYP TYPICAL

UL UNDERWRITERS' LABORATORY, INC.
UNO UNLESS NOTED OTHERWISE
UT ULTRASONIC TEST

VERT VERTICAL
VERT OR V VERTICAL
VIF VERIFY IN FIELD

W WITH
W/C WATER-CEMENT RATIO
W/O WITHOUT
WF WIDE FLANGE
WHT WEIGHT
WP WORK POINT
WWF WELDED WIRE FABRIC

STRUCTURAL STEEL SHAPES
C STD CHANNEL
HP HP SHAPES

CONCRETE

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH CHAPTER 18A OF THE CODE AND WITH THE PROVISIONS OF ACI 318, LATEST EDITION.

2. REINFORCED CONCRETE IS DESIGNED BY THE "ULTIMATE STRENGTH DESIGN METHOD".

3. CONCRETE MIXES SHALL BE DESIGNED BY THE APPROVED TESTING LABORATORY AND APPROVED BY THE STRUCTURAL ENGINEER. THE COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE PROPORTIONED BASED ON CHAPTER 19A OF THE CODE.

4. SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTH AND TYPES: LOCATION IN STRUCTURE STRENGTH (PSI) MAX W/C RATIO

ALL CONCRETE FOOTINGS, 4000 150 0.50

5. PORTLAND CEMENT SHALL CONFORM TO ASTM C 150, TYPE II.

6. AGGREGATE FOR HARDBLOCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C 39 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.

7. CONCRETE MIXING OPERATION, ETC. SHALL CONFORM TO ASTM C 94.

8. PLACEMENT OF CONCRETE SHALL CONFORM TO CODE SECTION 1905A AND PROJECT SPECIFICATIONS. CLEAN AND ROUGHEN TO 1/4" AMPLITUDE ALL CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS TO BE PLACED.

9. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.

DESIGN CRITERIA

1. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:

2022 CALIFORNIA BUILDING CODE (CBC) AND LATEST DSA REVISIONS REFERRED TO HERE AS "THE CODE", AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES & STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.

2. WIND ANALYSIS PER CHAPTER 16A OF THE CODE

RISK CATEGORY = II
IMPORTANCE FACTOR = 1.00
S₁ = 1.00
S₂ = 0.749
SITE CLASS = D
S₃ = 1.327
S₄ = 0.649
SEISMIC DESIGN CATEGORY = D

3. SEISMIC ANALYSIS PER CHAPTER 16A OF THE CODE UTILIZING THE FOLLOWING PROCEDURE:
- THE EQUIVALENT LATERAL FORCE ANALYSIS

6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.

7. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.

8. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.

9. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

10. ASTM SPECIFICATIONS ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.

11. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

12. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS, IF ANY, ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES AND COORDINATING WITH THE REQUIREMENTS OF THIS PROJECT. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THE SITE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IF ANY CONDITIONS ARE DISCOVERED THAT REQUIRES FURTHER COORDINATION.

13. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE THAT OCCURS DUE TO NOT FULLY LOCATING EXISTING UTILITIES.

14. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS BASED ON AVAILABLE KNOWLEDGE OF EXISTING STRUCTURE. CONTRACTOR SHALL VERIFY IN FIELD ALL EXISTING CONDITIONS RELATIVE TO THE SCOPE OF THIS PROJECT. WHERE ACTUAL CONDITIONS ARE NOT IN ACCORDANCE WITH THE DRAWINGS PROVIDED, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY. CONTRACTOR SHALL ASK FOR SUFFICIENT BUDGET AND SCHEDULE CONTINGENCY TO ADDRESS EXISTING HIDDEN CONDITIONS.

15. ALL DEMOLITION SHALL BE PERFORMED IN SUCH A WAY AS NOT TO DAMAGE THE EXISTING STRUCTURAL ELEMENTS THAT ARE TO REMAIN IN THE FINISHED STRUCTURE. ANY PORTIONS OF STRUCTURE TO REMAIN THAT ARE DAMAGED DURING DEMOLITION SHALL BE REPLACED AT NO ADDITIONAL COST. EXISTING STRUCTURAL ELEMENTS SHALL BE PROTECTED TO THE FULLEST EXTENT POSSIBLE. IN ORDER TO MITIGATE DAMAGE, CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF ALL EXISTING STRUCTURAL ELEMENTS THAT ARE NECESSARY FOR THE COMPLETION OF ALL NEW WORK.

REINFORCING STEEL (FOR CONCRETE)

1. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 18A OF THE CODE, ASTM A615, GRADE 60 UNO. WHEN WELDING UNO REINFORCING BARS OCCURS, BARS SHALL BE ASTM A706, GRADE 60 UNO.

2. BARS SHALL BE CLEAN OF RUST, GREASE, OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.

3. REINFORCING BAR SPLICES SHALL BE MADE AS INDICATED ON THE DRAWINGS. LAP ALL HORIZONTAL BARS AT CORNERS AND INTERSECTIONS. STAGGER ALL SPLICES UNLESS NOTED OTHERWISE ON PLANS.

4. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.

5. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE "A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", LATEST EDITION.

6. MILL TEST REPORTS FOR GRADE 60 BARS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR PRIOR TO PLACEMENT OF CONCRETE.

7. CONTINUOUS INSPECTION OF CONCRETE SHALL INCLUDE INSPECTION DURING INSTALLATION OF REINFORCING STEEL.

8. ALL GRADE 60 REINFORCING STEEL SHALL BE CLEARLY MARKED TO DIFFERENTIATE THEM FROM GRADE 40 REINFORCING STEEL IF CONCURRENTLY ON SITE.

9. CONCRETE PROTECTION FOR REINFORCEMENT

(I) CAST-IN-PLACE CONCRETE (NON-PRESTRESSED), THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

MINIMUM COVER, IN.

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3

B. CONCRETE EXPOSED TO EARTH OR WEATHER:

NO. 6 THROUGH NO. 18 BAR 2

NO. 5 BAR, W31 OR D31 WIRE & SMALLER 1 1/2

NON-SHRINK GROUT

1. NON-SHRINK GROUT SHALL HAVE A MINIMUM STRENGTH OF 7,000 PSI. ACCEPTABLE GROUTS INCLUDE:

A. EUCO CHEMICAL COMPANY: EUCO-NS

B. L&M: CRYSTEX

C. MASTER BUILDERS: MASTERFLOW713

D. FIVE STAR GROUT

2. WHERE HIGH FLUIDITY OR INCREASED PLACING TIME IS REQUIRED, ACCEPTABLE GROUTS INCLUDE:

A. EUCO CHEMICAL COMPANY: EUCO H-FLOW GROUT

B. MASTER BUILDERS: MASTERFLOW928

DSA IR A-22 EXEMPTION

THE FOLLOWING ITEM(S) SHALL BE EXEMPT FROM DSA STRUCTURAL SAFETY REVIEW AND SPECIAL INSPECTION REQUIREMENTS.

- 14'-0" DISCUS NETTING POLES AND FOUNDATION

FOR DRILLED PIERIS

ALL DRILLED PILE EXCAVATION SHOULD BE INSPECTED BY THE SOILS ENGINEER AND THE INSPECTOR TO VERIFY THE DEPTH OF THE FILL AND THAT THE DESIRED PENETRATION INTO NATURAL SOILS IS ACHIEVED.

PRECAUTIONS SHOULD BE TAKEN DURING THE INSTALLATION OF PILES TO MINIMIZE THE POSSIBILITY OF CAVING. CASING MAY BE REQUIRED FOR THE STABILITY OF THE HOLES. CLOSELY SPACED PILES SHOULD BE DRILLED AND FIELDED ALTERNATELY, ALLOWING THE CONCRETE TO SET AT LEAST EIGHT HOURS BEFORE DRILLING AN ADJACENT HOLE. PILE EXCAVATIONS SHOULD BE FILLED WITH CONCRETE AS SOON AFTER DRILLING AND INSPECTION AS POSSIBLE; THE HOLES SHOULD NOT BE LEFT OPEN OVERNIGHT.

DIFFICULTIES DUE TO WATER MAY BE REDUCED IF THE PILES ARE POURED IMMEDIATELY AFTER INSPECTION. ANY WATER SHOULD BE PUMPED FROM THE EXCAVATIONS AND THE CONCRETE PLACED IN THE DRY SOIL.

THE GEOTECHNICAL ENGINEER SHALL OBSERVE THE INSTALLATION OF FOUNDATIONS AND DRILLING OF PILES.

FOR DRIVEN PILES

PILE DRIVING LENGTHS AND DRIVING RESISTANCE SHALL BE RECORDED AND THE RECORD MAINTAINED FOR REFERENCE.

THE GEOTECHNICAL ENGINEER SHALL OBSERVE THE INSTALLATION OF FOUNDATIONS AND DRILLING OF PILES.

STRUCTURAL NOTES

1. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:

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11. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

12. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS, IF ANY, ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES AND COORDINATING WITH THE REQUIREMENTS OF THIS PROJECT. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THE SITE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IF ANY CONDITIONS ARE DISCOVERED THAT REQUIRES FURTHER COORDINATION.

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FOUNDATION

1. FOUNDATION DESIGN BASED ON GEOTECHNICAL REPORT BY EARTH SYSTEMS PACIFIC, PROJECT NO. 305811-006, DATED MAY 22, 2025 (UPDATED AUGUST 15, 2025).

2. FOOTING ARE DESIGNED BASED ON THE FOLLOWING INFORMATION:

ALLOWABLE BEARING:
ISOLATED FTGS = 0 PSF
PASSIVE EARTH PRESSURE = 100 PSF/FT
PASSIVE EARTH PRESSURE = 100 PSF/FT

* VERTICAL CAPACITY OF FOUNDATIONS IS PROVIDED BY A SKIN FRICTION CAPACITY OF 200 PSF AND 133 PSF FOR UPLIFT.

3. CONTRACTOR TO PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE, IF REQUIRED.

4. CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED AND SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES.

5. EXCAVATION FOR FOOTINGS SHALL BE APPROVED BY THE INSPECTOR PRIOR TO PLACING THE CONCRETE AND REINFORCING. CONTRACTOR TO NOTIFY THE INSPECTOR WHEN INSPECTION OF EXCAVATION IS READY. INSPECTOR TO SUBMIT LETTER OF COMPLIANCE.

6. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE OR GROUT HAS ATTAINED FULL DESIGN STRENGTH. CONTRACTORS SHALL BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL STRENGTH. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS, AND INSTALLATION OF SUCH BRACING.

7. FOUNDATIONS SHALL BE PLACED ACCORDING TO DEPTHS SHOWN ON DRAWINGS. SHOULD SOIL ENCOUNTERED AT THESE DEPTHS NOT BE APPROVED BY THE INSPECTOR, FOUNDATION ELEVATIONS WILL BE ALTERED BY CHANGE ORDER.

8. FOOTING BACKFILL AND UTILITY TRENCH BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS IN ACCORDANCE WITH THE SOILS REPORT AND APPROVED BY THE SOILS ENGINEER. FLOODING WILL NOT BE PERMITTED. ALL FILLS USED TO SUPPORT FOUNDATIONS SHALL BE INSPECTED PER CODE SECTION 1705A.6 AND TABLE 1705A.6.

9. ALL ABANDONED FOOTINGS, UTILITIES, ETC. SHALL BE REMOVED UNLESS NOTED OTHERWISE. NEW FOOTINGS MUST EXTEND INTO UNDISTURBED SOILS. PER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER, ANY CASING USED SHALL BE REMOVED DURING THE PLACEMENT OF CONCRETE.

SHEET INDEX

SFS-1 GENERAL NOTES

SFS-2 DETAILS

TOTAL OF 2 SHEETS

Seal/Signature

18400 Von Karmen Ave., Suite 600
Irvine, CA 92612
O: 949.252.1022
F: 949.252.6062
www.kpff.com

18400 Von Karmen Ave., Suite 600
Irvine, CA 92612
O: 949.252.1022
F: 949.252.6062
www.kpff.com

GENERAL NOTES (DISCUS CAGE)

Designed By: VM
Project Number: 2500037

Drawn By: SA
Scale:

Checked By: WHT
Sheet Number:

Date: 2025-08-26

SFS-1

VENTURA HIGH SCHOOL
TRACK AND FIELD REPLACEMENT
AND BLEACHER UPGRADES

2 NORTH CATALINA STREET
VENTURA, CA 93001

Developed for
VENTURA UNIFIED SCHOOL DISTRICT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125509 INC.
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 07/01/2026

2 NORTH CATALINA ST
VENTURA, CA 93001

Owner

41155 State Highway 10,
PO Box 231 Delin, NY 13733

5301 California Avenue, Suite 100
Irvine, California 92617

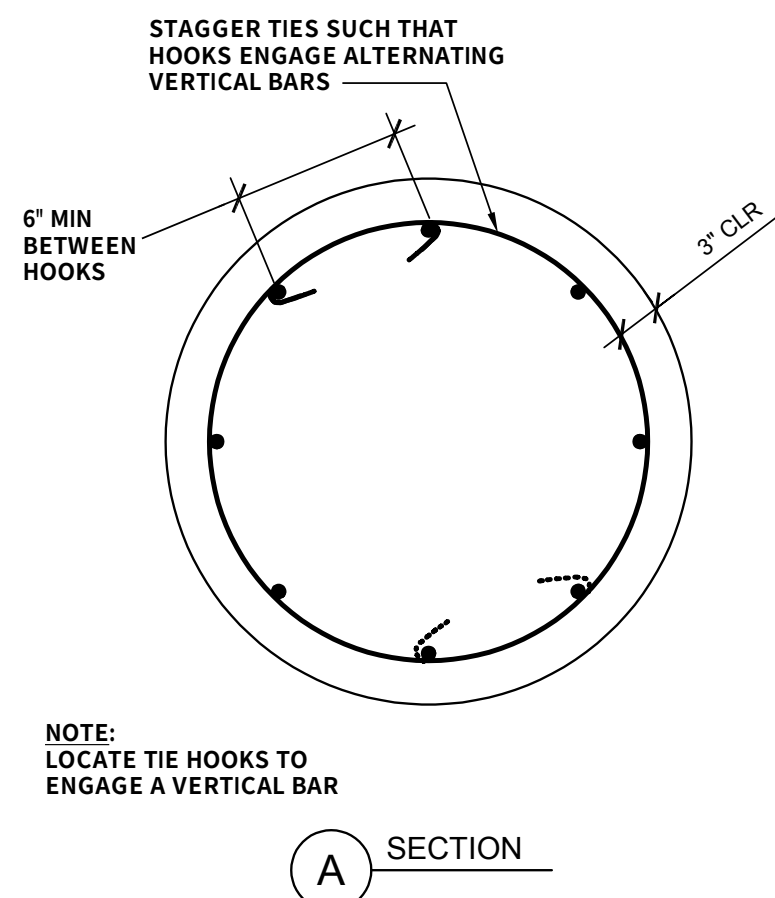
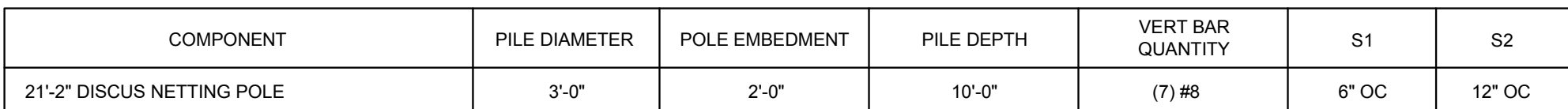
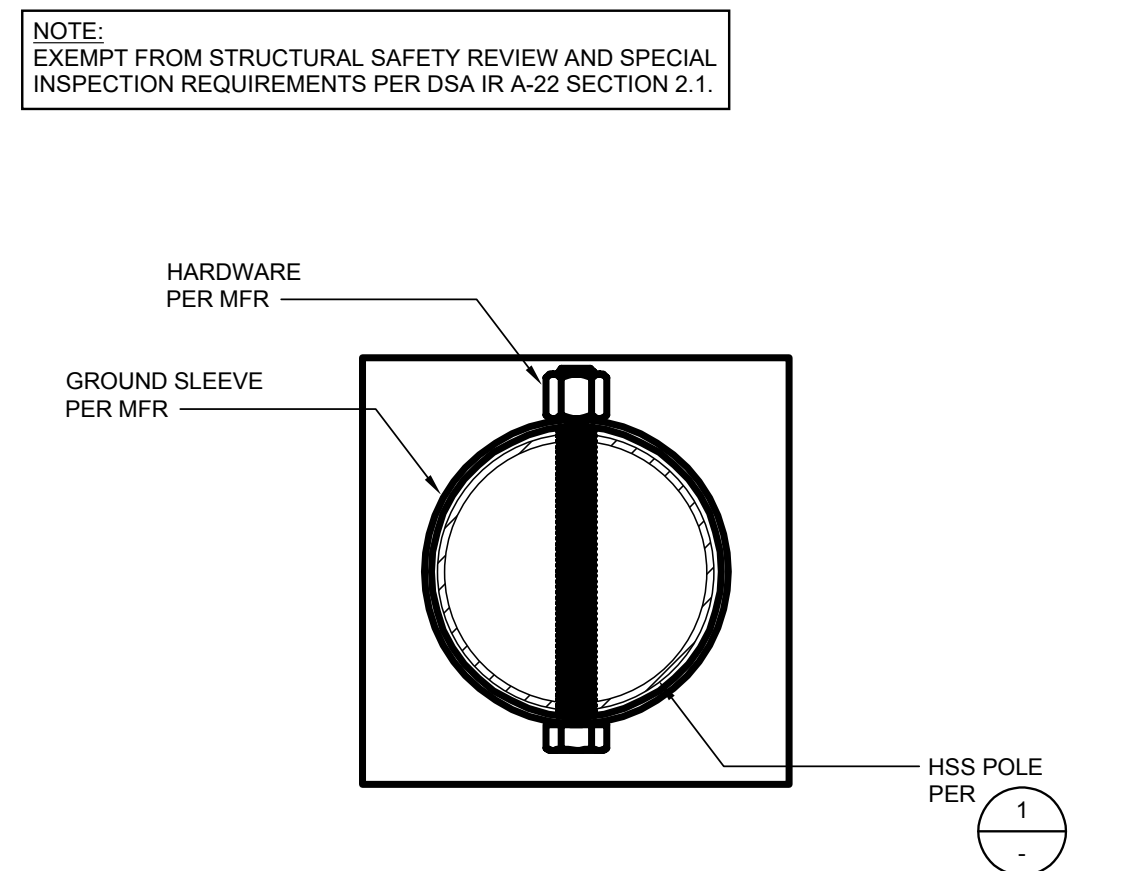
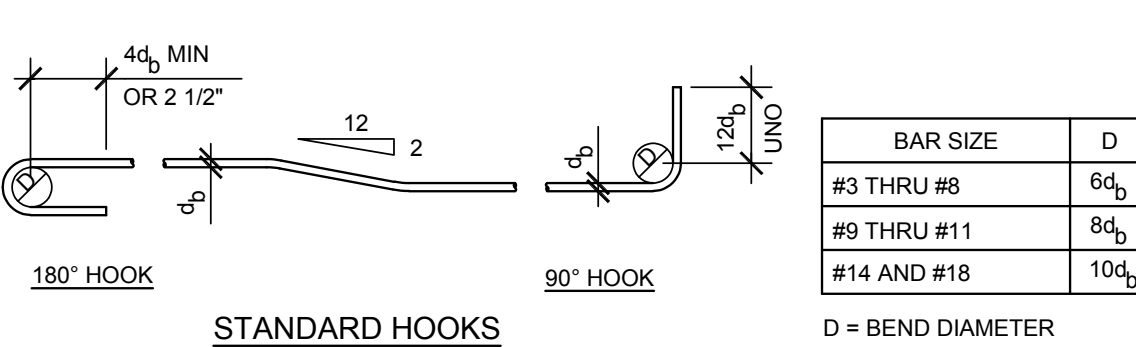
100% SCHEMATIC DESIGN
90% CONSTRUCTION DOCUMENTS
100% CONSTRUCTION DOCUMENTS
DSA BACKCHECK

12/10/2024
07/24/2025
08/01/2025
11/03/2025

Job Number: 32321
Checked By: AW,MM
Scale: AS NOTED

NOT PART OF THE DSA APPROVAL PER IR A-22

SFS - 1

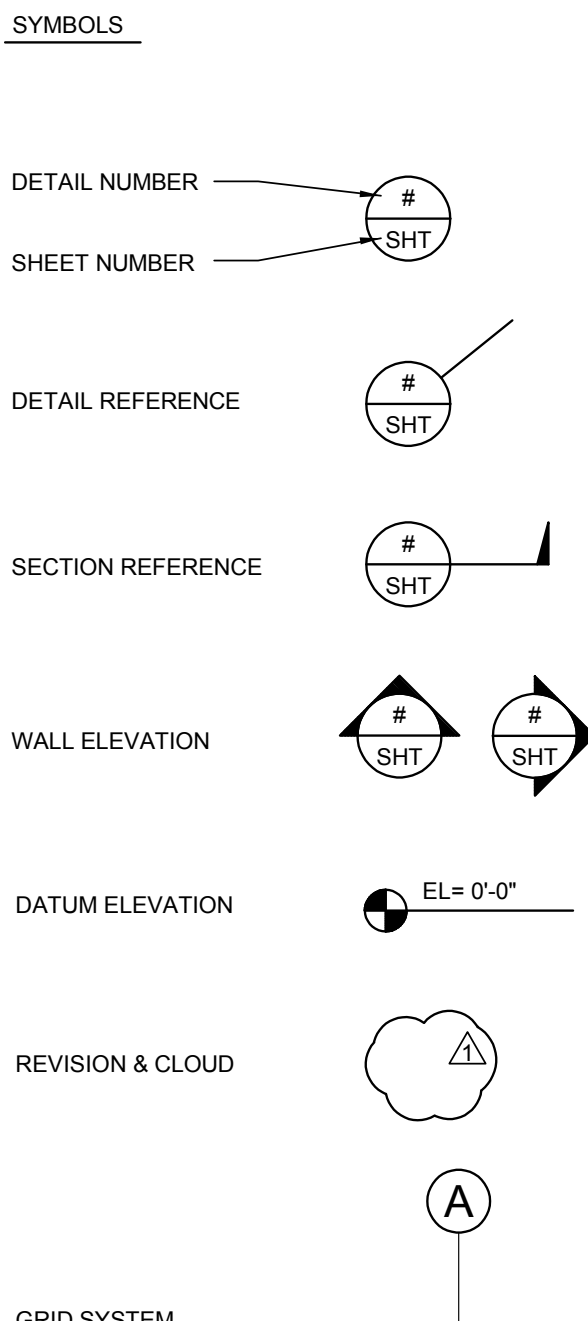


COMPONENT	PILE DIAMETER	POLE EMBEDMENT	PILE DEPTH	VERT BAR QUANTITY	S1	S2
21'-2" DISCUS NETTING POLE	3'-0"	2'-0"	10'-0"	(7) #8	6" OC	12" OC

Date: Dec 12, 2023, 10:48am - Drawing: S:\Projects\2022\2200333 - CSA, 2022 PC for Football Goal Posts\DRAWINGS\AutoCAD\SFFC-2.dwg - Layout: SFFC-2 - Printed By: L'Gangbua - Profile: KPFF-ARIAL - Job Name: CSA PC for Football Goal Posts PM JS - PLOT FCGN Xref: 2200333TB.dwg

ABBREVIATIONS		LAB		LABORATORY	
A	AREA (IN ²)	LBS OR #	LBDR	POUND	LEDGER
AB	ANCHOR BOLT	LF	LINEAL	LINEAL FOOT	LF
ABV	ABOVE	LG	LONG	LONG	LG
ADD'L	ADDITIONAL	LH	LOW HYDROGEN	LOW HYDROGEN	LH
ADJ	ADJACENT	LN	LINEAL	LINEAL	LN
AFF	ABOVE FINISH FLOOR	LL	LIVE LOAD	LIVE LOAD	LL
AGGR	AGGREGATE	LLBB	LONG LEGS BACK-TO-BACK	LONG LEGS BACK-TO-BACK	LLBB
ALT	ALTERNATE	LH	LONG LEG HORIZONTAL	LONG LEG HORIZONTAL	LH
ALUM	ALUMINUM	LOC	LOCATION	LOCATION	LOC
ANCH	ANCHOR	LONGIT	LONGITUDINAL	LONGITUDINAL	LONGIT
APPROX	APPROXIMATELY	LO-HY	LOW HYDROGEN	LOW HYDROGEN	LO-HY
ARCH	ARCHITECTURAL, ARCHITECT	LSS	LOW POINT	LOW POINT	LSS
AR	ANCHOR ROD	LP	LONG SLOTTED HOLES	LONG SLOTTED HOLES	LP
ARND	AROUND	LTWT	LIGHTWEIGHT	LIGHTWEIGHT	LTWT
&	AND	LVL	LEVEL	LEVEL	LVL
@	AT	MAS	MASONRY	MASONRY	MAS
BE	BELOW	MAT	MATERIAL	MATERIAL	MAT
BD	BOARD	MAX	MAXIMUM	MAXIMUM	MAX
BLDG	BUILDING	MB	MACHINE BOLT	MACHINE BOLT	MB
BLK	BLOCK	MDF	MEDIUM DENSITY FIBERBOARD	MEDIUM DENSITY FIBERBOARD	MDF
BLKG	BLOCKING	MECH	MECHANICAL	MECHANICAL	MECH
BM	BEAM	MEZZ	MEZZANINE	MEZZANINE	MEZZ
BN	BOUNDARY NAIL	MFR	MANUFACTURER	MANUFACTURER	MFR
BNDRY	BOUNDARY	MID	MIDDLE	MIDDLE	MID
BOT OR B	BOTTOM	MIN	MINIMUM	MINIMUM	MIN
BOF	BOTTOM OF FOOTING	MISC	MISCELLANEOUS	MISCELLANEOUS	MISC
BRG	BRIER	MNR	MANNER	MANNER	MNR
BRC	BEARING	MTL	METAL	METAL	MTL
BSMT	BASEMENT	MULT	MULTIPLE	MULTIPLE	MULT
BT	BETWEEN	(N)	NEW	NEW	(N)
BTW	BETWEEN	NORTH	NORTH	NORTH	NORTH
BYND	BEYOND	NAT	NATURAL	NATURAL	NAT
		NF	NEAR FACE	NEAR FACE	NF
CAM OR C	CAMBER	NC	NOT IN CONTRACT	NOT IN CONTRACT	NC
CALCS	CALCULATIONS	NG	NUMBER	NUMBER	NG
CANT	CANTILEVER	NTS	NOT TO SCALE	NOT TO SCALE	NTS
CBC	CALIFORNIA BUILDING CODE				
CNT	CENTER TO CENTER				
CC	CALIFORNIA CODE OF REGULATIONS				
COR	CORNER				
CG	CENTER OF GRAVITY				
CI	CAST IN PLACE				
CJ	CONSTRUCTION JOINT; CONTROL JOINT				
CJP	COMPLETE JOINT PENETRATION				
CL	CENTER LINE				
CLG	CEILING				
CLR	CLEARANCE, CLEAR				
CMU	CONCRETE MASONRY UNIT				
CO	COMPANY				
COL	COLUMN				
COMP	COMPRESSION				
CONC	CONCRETE				
CONN	CONNECTION, CONNECT				
CONSTR	CONSTRUCTION				
CONST	CONTINUE, CONTINUOUS				
CONTR	CONTRACTOR				
CP	COMPLETE PENETRATION				
CTR	CENTER				
CTS&K	COUNTERSINK; COUNTERSUNK				
d	CUBIC FOOT				
DB	PENNY (NAIL OR L)				
DBL	DOUBLE				
DBLR	DOUBLER				
DEMO	DEMOLITION				
DEPT	DEPARTMENT				
DET	DETAIL				
DFL	DOUGLAS FIR/LARCH				
DIA OR Ø	DIAMETER				
DIAG	DIAGONAL				
DIAPHRAGM	DIAPHRAGM				
DIMENSION	DIMENSION				
DIR	DIRECTION				
DIST	DISTANCE				
DLOAD	DEAD LOAD				
DN	DOWN				
DO	DITTO				
DWG	DRAWING				
DWL	DOWEL				
(E)	EXISTING				
EA	EACH				
EF	EACH FACE				
e.g.	FOR EXAMPLE				
EJ	EXPANSION JOINT				
EL	ELEVATION				
ELEC	ELECTRICAL				
ELEV	ELEVATOR				
EMB	EMBEDDED				
EN	EDGE NAIL				
ENGR	ENGINEER				
EQS	EDGE OF SLAB				
EQ	EQUAL				
EQUIP	EQUIPMENT				
EQUIV	EQUIVALENT				
ES	EACH SIDE				
ETC	ET CETERA				
EW	EACH WAY				
EXIST	EXISTING				
EXT	EXTERIOR				
FB	FLAT BAR				
FC	CONCRETE COMPRESSION STRENGTH				
FD	FLOOR DRAIN				
FDN	FOUNDATION				
FF	FINISH FLOOR				
FWNS	FLAT HEAD WOOD SCREW				
FN	FINISH				
FLR	FLOOR				
FLG	FLANGE				
FN	FIELD NAIL				
Fm	MASONRY COMPRESSIVE STRENGTH				
FOS	FACE OF STUD				
FOW	FACE OF WALL				
FP	FIREPROOF; FULL PENETRATION				
FRMG	FRAMING				
FS	FULL SIZE; FAR SIDE				
FT	FOOT, FEET				
FTG	FOOTING				
Fy	YIELD STRENGTH				
GA	GAUGE				
GB	GRADE BEAM				
GC	GENERAL CONTRACTOR				
GALV	GALVANIZED				
GAR	GARAGE				
GEN	GENERAL				
GLB	GLUED LAMINATED BEAM				
GND	GROUND				
GR	GRADE				
HD	HOLDOWN				
HDR	HEADER				
HGR	HANGER				
HOK	HOOK				
HORIZ OR H	HORIZONTAL				
HOSP	HOSPITAL				
HP	HEAVY PILING				
HR	HARD ROCK				
HS	HIGH STRENGTH				
HT	HEIGHT				
I	MOMENT OF INERTIA				
ID	INSIDE DIAMETER				
I.e.	THAT IS				
IF	INSIDE FACE				
IN	INCH				
INCL	INCLUDE, INCLUDING				
INFO	INFORMATION				
INSP	INSPECTION, INSPECTOR				
INT	INTERIOR				
INTERM	INTERMEDIATE				
INV	INVERT				
JST	JOIST				
JT	JOINT				
KIP OR K	1,000 POUNDS				
KO	KNOCK-OUT				
KP	KING POST				
KSF	KIPS PER SQUARE FOOT				
KSI	KIPS PER SQUARE INCH				

STRUCTURAL STEEL SHAPES	
W	W SHAPES
S	S SHAPES
M	M SHAPES
HP	HP SHAPES
C	STD CHANNEL
MC	MISC CHANNEL
L	ANGLES
WT, ST, MT	STRUCT TEES CUT FROM W, S, M
FW	STANDARD PIPE
FX#	EXTRA STRONG PIPE
PX#	DBL EXTRA STRONG PIPE
HSS	HOLLOW STRUCTURAL SECTION
TS	TUBE SECTION
INSTITUTIONS	
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
AISC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWPA	AMERICAN WOOD PRESERVERS BUREAU
AWES	AMERICAN WELDING SOCIETY
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
DSA	DIVISION OF THE STATE ARCHITECT
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
ICC	INTERNATIONAL CODE COUNCIL
ICC-ER	ICC-ES LEGACY REPORT
ICC-ES	ICC EVALUATION SERVICE
ICC-ESR	ICC-ES REPORT
OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
PCI	PRE-CAST CONCRETE INSTITUTE
PTI	POST-TENSION CONCRETE INSTITUTE
SJI	STEEL JOIST INSTITUTE
TPI	TRUSS PLATE INSTITUTE



- STRUCTURAL STEEL
- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED BY AN APPROVED AND LICENSED FABRICATOR IN ACCORDANCE WITH THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (2022 EDITION), AND WITH CHAPTERS 17A AND 22A OF THE CODE.
 - ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (UNO).
PLATES, CONNECTION PLATES, AND MISC: A36 (UNO)
HSS SECTIONS: A500, GRADE B
BOLTS: A325
NUTS: A563
WASHERS: F436
BOLTS IN CONCRETE U.N.O.: F1554 36 KSI (UNO)
 - BOLT HOLES USED IN STEEL SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, EXCEPT AS NOTED.
 - ALL WELDING IS TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES (UNO). ALL WELDS SHALL BE IN CONFORMITY WITH THE PROJECT SPECIFICATIONS AND THE CODE FOR WELDING IN BUILDING CONSTRUCTION (AWS D1.1) OF THE AMERICAN WELDING SOCIETY. SPECIAL INSPECTION OF WELDING PER SECTION 1705A.2 OF THE CODE. USE OF E70T-4 WIRE IS NOT PERMITTED.
 - WHERE FABRICATION OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF FABRICATORS SHOP, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE REQUIRED.
 - WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC 360-16 SECTION J2.2b.
 - THE SPECIAL INSPECTIONS FOR STEEL ELEMENTS OF BUILDINGS AND STRUCTURES SHALL BE AS REQUIRED BY SECTION 1705A.2.1 OF THE CODE AND CONSTRUCTION DOCUMENTS.
 - MILL TEST REPORTS FOR ANCHOR BOLTS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR PRIOR TO PLACEMENT OF CONCRETE.
 - ALL WELD MATERIAL SHALL COMPLY WITH AISC 360-16 SECTION J2.6.
 - WELDING OF DEMAND CRITICAL WELDS (DCW) SHALL BE PER AWS 1.8.
 - THE THERMAL CUTTING OF ALL MEMBERS SHALL COMPLY WITH AISC 360-16 SECTION H2.2.
 - ALL EXPOSED STRUCTURAL STEEL SHALL BE POWDERED COATED WITH A DUPONT TGC POLYESTER PRIMER FOLLOWED BY THE OWNERS DUPONT TGC POLYESTER COLOR OF CHOICE.
 - ALL EXPOSED STEEL FASTENERS, INCLUDING CAST-IN-PLACE ANCHOR BOLTS/RODS, SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT-DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329), OR PROTECTED WITH CORROSION-PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT.

ALUMINUM

- STRUCTURAL ALUMINUM SHALL BE FABRICATED, ASSEMBLED, AND ERECTED IN ACCORDANCE WITH ALUMINUM DESIGN MANUAL, 2015.
- ALL WELDING OF ALUMINUM SHALL CONFORM WITH AWS D1.2.
- ALUMINUM ALLOY GRADE SHALL BE AS FOLLOWS:
GOOSENECK: 6063-T5
CROSS BAR: 6061-T6
UPRIGHTS: 6061-T6
- DISSIMILAR METALS SHALL BE ISOLATED OR COATED TO INHIBIT GALVANIC CORROSION. WHERE IN CONTACT WITH ALUMINUM, STEEL GROUND PLATES AND STEEL BOLTS, NUTS, AND WASHERS SHALL BE HOT-DIP GALVANIZED (ASTM A123/ASTM A153).
- ALUMINUM SHALL BE COATED OR COVERED TO PREVENT ALUMINUM-CONCRETE REACTION AND ELECTROLYTIC ACTION BETWEEN ALUMINUM AND STEEL.

FOUNDATION

- FOOTINGS ARE DESIGNED BASED ON THE MINIMUM VALUES IN CHAPTER 18A AND INCLUDES THE FOLLOWING INFORMATION.
W = FOOTING DIAMETER
D = FOOTING DEPTH BELOW ADJACENT GRADE
ALLOWABLE BEARING
ISOLATED FTGS = 1500 PSF (MAX)
LATERAL SOIL PRESSURE
ISOLATED FTGS = 100 PSF PER FOOT EMBEDMENT
MINIMUM DEPTH OF FOOTINGS SHALL BE AS FOLLOWS:
24" BELOW ADJACENT EXTERIOR FINISHED GRADE
BOLTS: A325
NUTS: A563
WASHERS: F436
BOLTS IN CONCRETE U.N.O.: F1554 36 KSI (UNO)
- CONTRACTOR TO PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE, IF REQUIRED.
- CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED AND SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES.
- EXCAVATION FOR FOOTINGS SHALL BE APPROVED BY THE INSPECTOR PRIOR TO PLACING THE CONCRETE AND REINFORCING. CONTRACTOR TO NOTIFY THE INSPECTOR WHEN INSPECTION OF EXCAVATION IS READY. INSPECTOR TO SUBMIT LETTER OF COMPLIANCE.
- FOUNDATIONS SHALL BE PLACED AND ESTIMATED ACCORDING TO DEPTHS SHOWN ON DRAWINGS. SHOULD SOIL ENCOUNTERED AT THESE DEPTHS NOT BE APPROVED BY THE INSPECTOR, FOUNDATION ELEVATIONS WILL BE ALTERED BY CONSTRUCTION CHANGE DOCUMENT.
- FOOTING BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS IN ACCORDANCE WITH ASTM D-1559 TO 95% AND APPROVED BY THE INSPECTOR. FLOODING WILL NOT BE PERMITTED. ALL FILLS USED TO SUPPORT FOUNDATIONS SHALL BE INSPECTED BY THE INSPECTOR.
- ALL ABANDONED FOOTINGS, UTILITIES, ETC., SHALL BE REMOVED UNLESS NOTED OTHERWISE.

REINFORCING STEEL

- REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 18A OF THE CODE, ASTM A615, GRADE 60 UNO.
- BARS SHALL BE CLEAN OF RUST, GREASE, OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- REINFORCING BAR SPLICES SHALL BE MADE AS INDICATED ON THE DRAWINGS. LAP ALL HORIZONTAL BARS AT CORNERS AND INTERSECTIONS. STAGGER ALL SPLICES UNLESS NOTED OTHERWISE ON PLANS.
- ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.
- BARS IN SLABS SHALL BE SECURELY SUPPORTED ON WELL-CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS, PRIOR TO PLACING CONCRETE.
- REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE "A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", LATEST EDITION.
- MILL TEST REPORTS FOR GRADE 60 BARS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR PRIOR TO PLACEMENT OF CONCRETE.
- CONTINUOUS INSPECTION OF CONCRETE SHALL INCLUDE INSPECTION DURING INSTALLATION OF REINFORCING STEEL. INSPECTION SHALL BE SCHEDULED SO THAT PLACEMENT OF REINFORCING STEEL MAY BE CORRECTED PRIOR TO PLACEMENT OF OVERLYING GRIDS OR REINFORCING STEEL.
- CONCRETE PROTECTION FOR REINFORCEMENT
CAST-IN-PLACE CONCRETE (NON-PRESTRESSED), THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
B. CONCRETE EXPOSED TO EARTH OR WEATHER:
NO. 6 THROUGH NO. 18 BAR: 2"
NO. 5 BAR, W31 OR D31 WIRE & SMALLER: 1 1/2"
ALL CONCRETE FOOTINGS = 4500 PSI, 150 PCF, 0.45
CONCRETE SLAB ON GRADE = 3000 PSI, 150 PCF, 0.45
- PORTLAND CEMENT SHALL CONFORM TO ASTM C 150, TYPE V (IF IN CONTACT WITH SOILS AT FOUNDATIONS AND SLAB ON GRADE).
- AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C 33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.
- CONCRETE MIXING OPERATION, ETC. SHALL CONFORM TO ASTM C 94.
- PLACEMENT OF CONCRETE SHALL CONFORM TO ACI 318 AND PROJECT SPECIFICATIONS. CLEAN AND ROUGHEN TO 1/4" AMPLITUDE ALL CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS TO BE PLACED.
- ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- THE SPECIAL INSPECTION FOR CONCRETE CONSTRUCTION SHALL BE AS REQUIRED BY SECTION 1709A.3 OF THE CODE AND CONSTRUCTION DOCUMENTS.

CONCRETE

Project Specific Approval

Owner

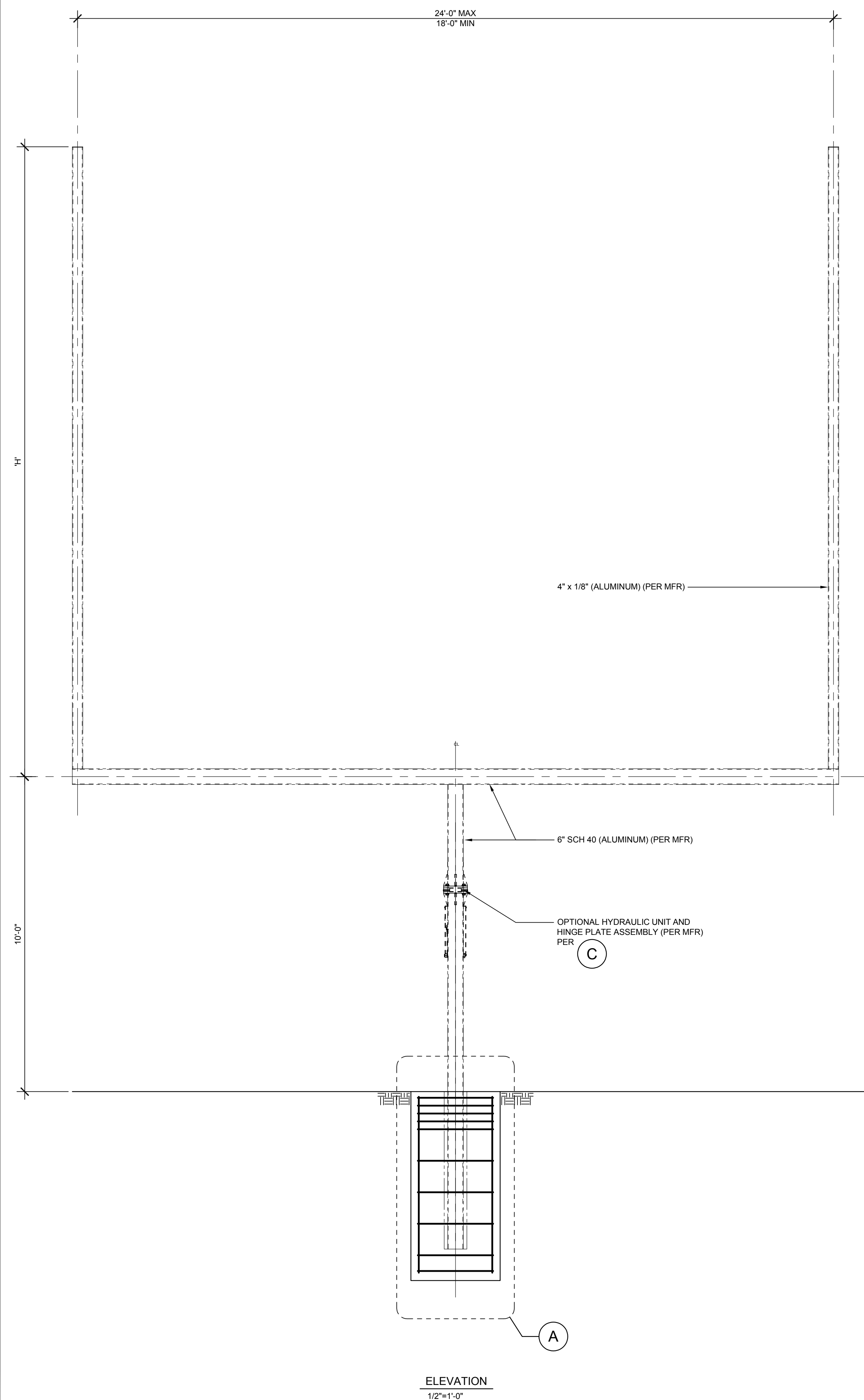


4115 State Highway 10,
PO Box 231 Delhi, NY 13753

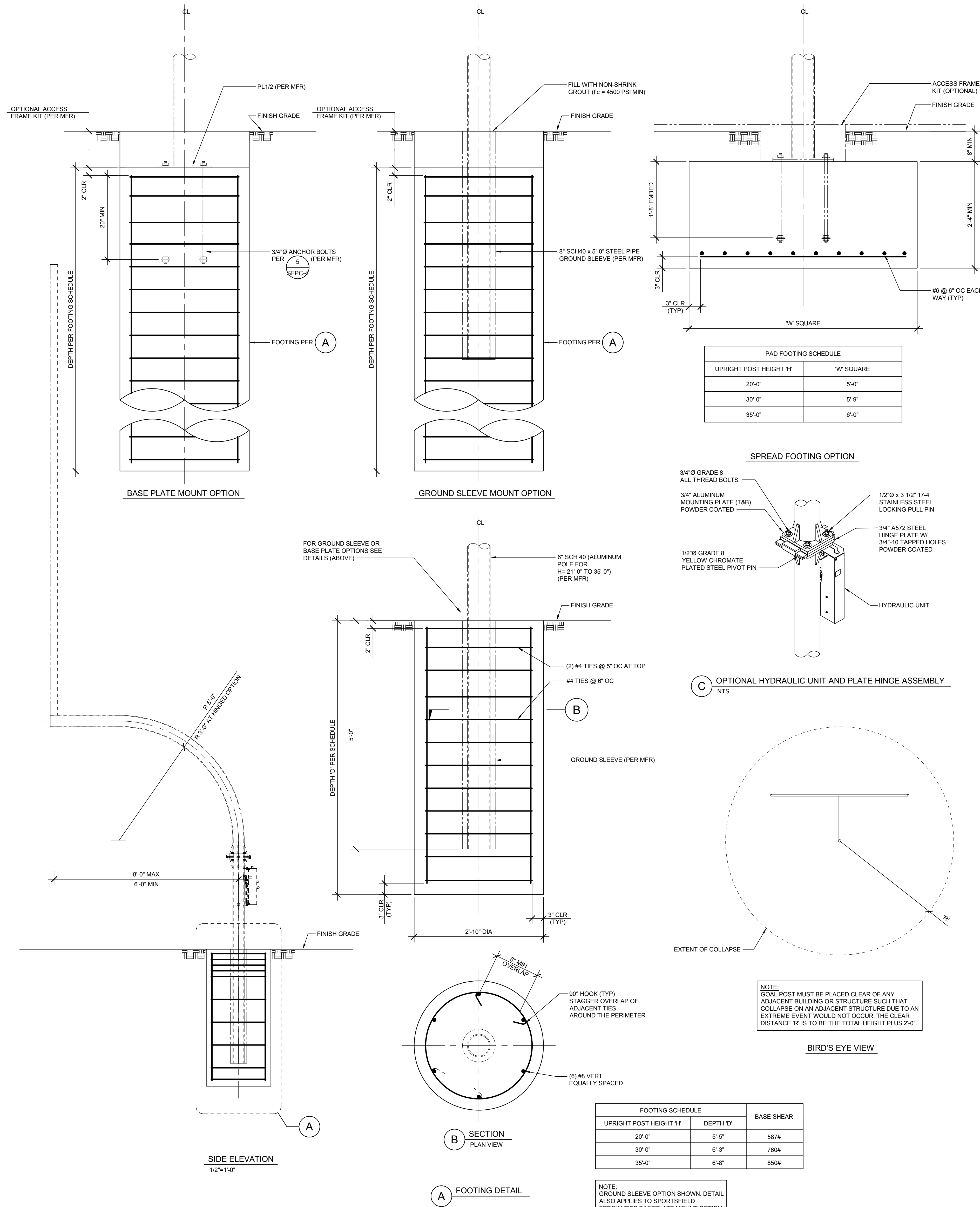
Issue/Revision

Issue No. Rev. No. Description Date

DSB SUBMITTAL 09/19/2023



SIDE ELEVATION
1/2"=1'-0"



BIRD'S EYE VIEW

FOOTING SCHEDULE		BASE SHEAR
UPRIGHT POST HEIGHT 'H'	DEPTH 'D'	
20'-0"	5'-5"	587#
30'-0"	6'-3"	760#
35'-0"	6'-8"	850#

NOTE:
GROUND SLEEVE OPTION SHOWN. DETAIL
ALSO APPLIES TO SPORTSFIELD
SPECIALTIES BASEPLATE MOUNT OPTION.

NOTE:
GOAL POST MUST BE PLACED CLEAR OF ANY ADJACENT BUILDING OR STRUCTURE SUCH THAT COLLAPSE ON AN ADJACENT STRUCTURE DUE TO AN EXTREME EVENT WOULD NOT OCCUR. THE CLEAR DISTANCE 'R' IS TO BE THE TOTAL HEIGHT PLUS 2'-0"

Project Specific Approval

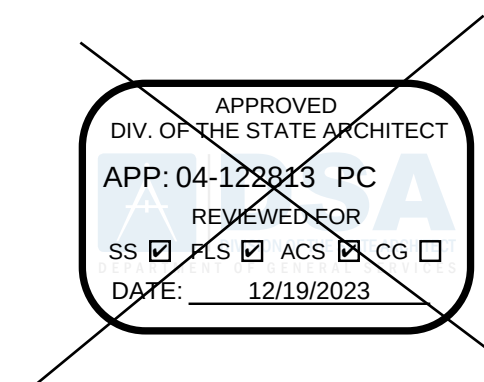
PRE-CHECKED
FOOTBALL GOAL POSTS

Owner



41155 State Highway 10,
PO Box 231 Delhi, NY 13753

Issue/Revision			
Issue No.	Rev. No.	Description	Date
		DSA SUBMITTAL	09/19/202



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

Seal/Signature



Sheet Title

SECTIONS AND DETAILS (FOOTBALL GOAL POST)

Designed By:
CE/JS

FC

Checked By: _____

WT

2023-06-06

Set Number:
SFPC-3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125509 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 07/01/2026



ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
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VENTURA HIGH SCHOOL TRACK AND FIELD REPLACEMENT AND BLEACHER UPGRADES

2 NORTH CATALINA STREET
VENTURA, CA 93001

Developed for

[illegible]

Submittal	Date
100% SCHEMATIC DESIGN	12/10/2024
100% DESIGN DEVELOPMENT	04/11/2025
90% CONSTRUCTION DOCS	07/24/2025
100% CONSTRUCTION DOCS	09/01/2025
OSHA BACKCHECK	11/03/2025

Job Number	32321
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Checked By	AW MM
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Scale	AS NOTED
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FOOTBALL GOAL POST SECTIONS & DETAILS

SFPC - 3

