

Project	Creekview Ranch School Campus Expansion – Site Package
Client	Dry Creek Joint Elementary School District
Date	07/21/2026
Project Number	Y2514.00
Agency Number	02-123892 Inc. 01

To all bidders for furnishing all labor and materials necessary and required for constructing the above referenced project. This Addendum has been prepared to clarify, modify, delete, or add to the original or previously modified Contract Documents for the above referenced project. Revisions to items listed here shall supersede description thereof prior to above date. All conditions not specifically referenced here shall remain the same. It is the obligation of the General Contractor to make subcontractors aware of any items herein that may affect submitted bids.

Acknowledge receipt of all Addenda by inserting the addendum number and date in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification. All addenda items refer to the Specifications and Drawings unless specifically noted otherwise.

ITEM NO.

GENERAL INFORMATION TO BIDDERS FOR THIS PROJECT

AD03.01 Clarification to Addendum #2 - Item AD02.05: "Skilled and Trained Workforce" requirements are not applicable to this project.

GENERAL PRE-BID RFI's

BIDDER QUESTIONS:

Q#1: Detail 9/A105 calls for out "mow strip per 13/C6.1 where occurs on plans". Sheet C6.1 is the erosion control plan and doesn't have a detail 13. We're assuming a mow strip is required under the new fencing to match existing conditions. Please confirm a mow strip is required under all new fencing and provide detail.

R#1: New mow strip is required under new fencing in some areas – keynote 18 was added on C2.1 and C2.2 to show locations of new mow strip and Detail 15/C7.2 been added, see attached sheet.

Q#2: Please provide additional information regarding the existing Main Switchboard (MSB), including available as-built drawings, manufacturer, model number, bus rating, breaker information, and any other relevant details necessary for coordinating modifications to the existing equipment.

R#2: EATON – Cutler Hammer Pow-R-Line Switchboard – 480Y/277V, 3PH. Panel ID attached. Contractor to verify any other relevant equipment on site prior to bid. Coordinate with owner to access site.

Q#3: Please confirm the acceptable manufacturers for the new electrical gear specified for this project. If substitutions or approved equals are permitted, please provide the list of acceptable manufacturers and any applicable requirements for approval.

R#3: Substitutions are permitted. All manufacturers are acceptable provided that they comply with plans and specifications.

Q#4: The responsibility matrix calls for the site GC to provide an all-weather truck/crane access to the building pads. Can you provide details of the width, location, and soil/aggregate base that is required by the modular contractor? We've seen this vary on past projects.

R#4: The modular provider requirements vary on site and weather conditions – please provide clear, level, all-weather base for a minimum of 25'-30' around building pads. Material could vary depending on seasonal weather conditions.

Q#5: Please provide a detail for the downspout to storm drain connection per note #41 on sheet C3.2

R#5: Detail 16/C7.2 been added, see attached sheet.

Q#6: Please provide a detail for the splash blocks, reference drainage note #42 on sheet C3.2

R#6: Detail 17/C7.2 been added, see attached sheet.

Q#7: Please provide concrete & connection details along with manufacturer model & grate type for the trench drain shown in between the new buildings on sheet C3.2

R#7: Detail 18/C7.2 been added, see attached sheet.

Q#8: Sheet C3.2 has a water note of #79 where the fire water enters the building but there is no #79 note in the legend. Please provide a fire riser detail from the underground piping to +6" AFF.

R#8: Will be installed as part of Increment 02.

Q#91: Would it be possible to locate the fire risers on the Meehleis drawings since the site GC is to provide the riser to +6" AFF. The location inside the building footprint isn't clear.

R#9: There are 2 fire risers on the east exterior side of the new Meehleis buildings. T1 Riser is on the southeast corner, T2 riser is on the northwest corner (both inside the gated areas).

Q#10: Is a video inspection of all site sewer piping required and if so is it limited to only new piping?

R#10: Video inspection is required in all new sewer piping, and shall extend 100 feet into existing where connected to ensure no debris has travelled into the existing line.

Q#11: According to Sheet L3.1, the irrigation legend indicates that 2-inch and 3-inch mainlines shall use Leemco fittings. However, Specification Section 328000, Part 2.02 states that 2-inch and smaller mainlines shall use Schedule 40 PVC fittings. Please clarify which requirement governs.

R#11: Drawings updated to show Schedule 40. See attached drawings.

Q#12: Please provide the material type and size for the flush valve shown in the irrigation legend on Sheet L3.1.

R#12: Flush valve shall be 1/2" plastic ball valve.

Q#13: Please provide pull box sizes for Key notes 3 & 4 on sheet E1.0-1

R#13: All pull boxes to be sized per CEC Article 314.28.

Q#14: The panel schedule for LDP1 shows feeder sizes for the future EV charging stations and the future convenience power but the key notes 3 & 4 on E1.0-1 calls for us to just provide conduit & pull strings. Please confirm we are not providing feeders for these future pathways.

R#14: Two feeders for each are required by site contractor.

Q#15: Fence gates G02, G03, G04, G07 and G08 are all listed as 8' tall gates however the plans call for the fence to be 6' tall and details on sheet A105 show the gates to be 6' tall. Please confirm that all fence gates are to be 6' tall.

R#15: Gates to be 6' to match general fence height.

Q#16: Panel LDP2 is shown on drawing E1.0-1 but it is not shown on the one-line diagram, please provide information about Panel LDP2.

R#16: Equipment labeled as “Panel LDP2” on site plan was missed labeled. This equipment on the site plan is the “(N) 400A FUSED DISCONNECT “ as shown on the ELECTRICAL ONE-LINE DIAGRAM on sheet E0.2-1. The disconnect will feed the modular building panel per KEY NOTES #2. On sheet E0.2-1.

Q#17: On sheet T1.0-1 at the South end of the new buildings there’s a new conduit & pull box “For Future Building” this calls for a new 2” conduit, on sheet E1.0-1 there is a similar line & pull box for electrical with the same call out “For Future Building” but this line has no conduit size call out and appears to be part of the same keynote #4 call out which is for future convenience power and per the LPD1 panel schedule calls for a single ½” conduit. Should the power conduit going to the pull box for future building be a separate conduit run and if so please provide the required conduit count & size.

R#17: Sheet E1.0-1: Provide 1-2” conduit from panel LDP1 to pull box for convenience power per KEY NOTES #4. Provide 1-4” conduit from panel HDP to pull box “FOR FUTURE BUILDING”.

Q#18: E0.2-1 Shows a new 400A Fused Disconnect, this is not shown on the site plan. Please clarify?

R#18: Equipment labeled as “Panel LDP2” on site plan was missed labeled. This equipment on the site plan is the “(N) 400A FUSED DISCONNECT “ as shown on the ELECTRICAL ONE-LINE DIAGRAM on sheet E0.2-1. The disconnect will feed the modular building panel per KEY NOTES #2. On sheet E0.2-1.

Q#19: Sheet T1.0-1 shows a light pole mounted camera w/ media converter, are these contractor or owner furnished? If contractor furnished please provide makes & models for each. Also please specify what strand count of fiber is required to feed these.

R#19: Owner furnished, contractor to install. Please pull a 6 strand fiber cable.

SPECIFICATIONS

- AD3.02** Specification section 32 80 00
- Revise paragraph 2.02.D.2 - remove “two inches (2”) and smaller”.
 - Delete paragraph 2.02.D.3.
 - Delete paragraph 3.12.C.2.
 - Delete paragraph 3.12.C.6.

DRAWINGS

- AD3.03** Sheet L3.1 – Sprinkler Irrigation Plan
- Update all Leemco piping to PVC Schedule 40
- AD3.04** Sheet L4.2 – Sprinkler Irrigation Details
- Remove Detail 2, Detail 3, Detail 4, Detail 5, Detail 6, Detail 7
 - Update Detail 8
- AD3.05** Sheet L4.3 – Sprinkler Irrigation Details
- Update Detail 1, Detail 2, Detail 3, Detail 4
- AD3.06** Sheet C2.1 – Grading Plan
- Added Keynote 18 and placed on all views

- AD3.07** Sheet C2.2 – Grading Plan
 - Added Keynote 18 and placed on all views
- AD3.08** Sheet C3.2 – Utility Plan
 - Added detail references for keynotes 41, 41, and 44, and added sewer note 55.
- AD3.09** Sheet C7.2 – Details
 - Added details 15, 16, 17, and 18.

List of Attachments

- Exhibit A** MSB Panelboard ID picture

End of Addendum Number 03

EXHIBIT A

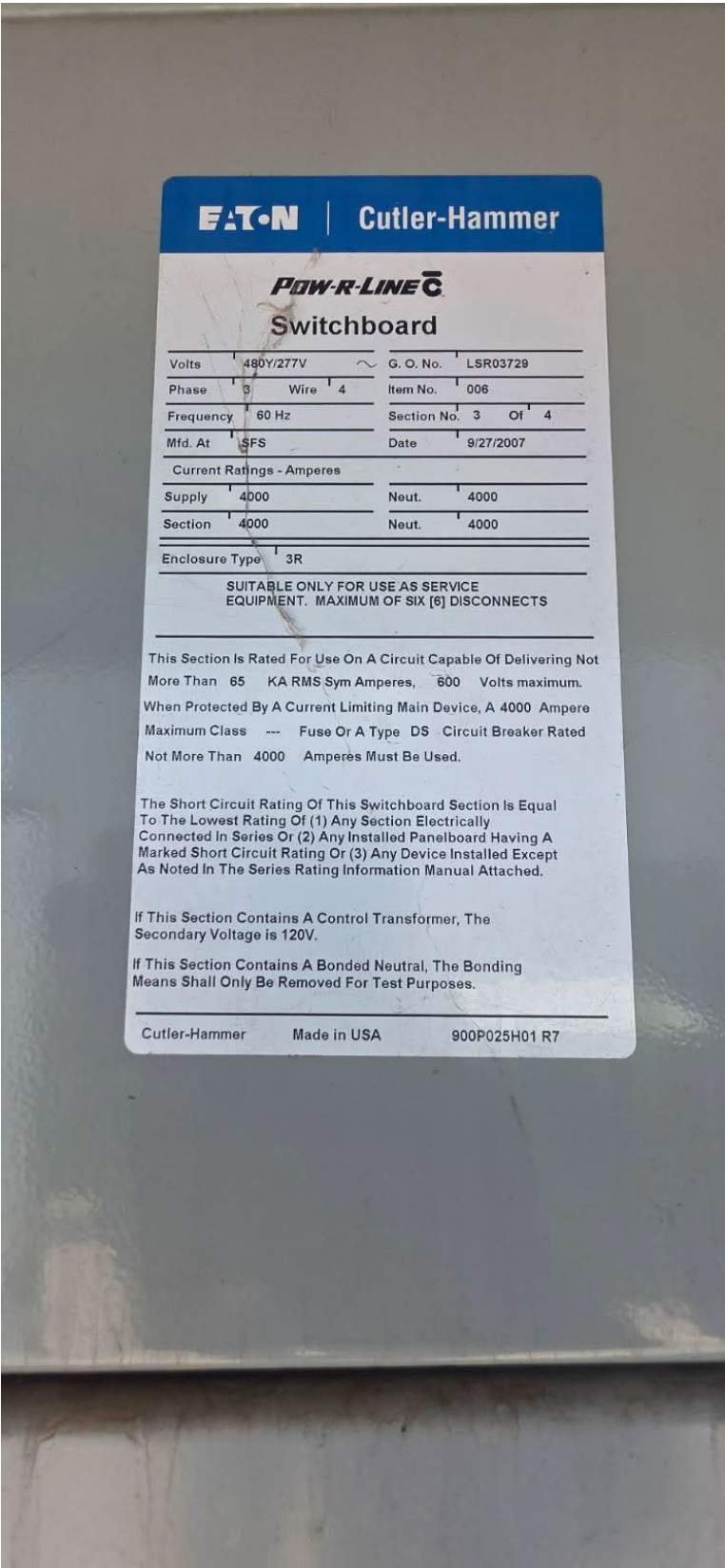
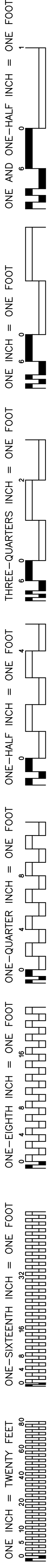
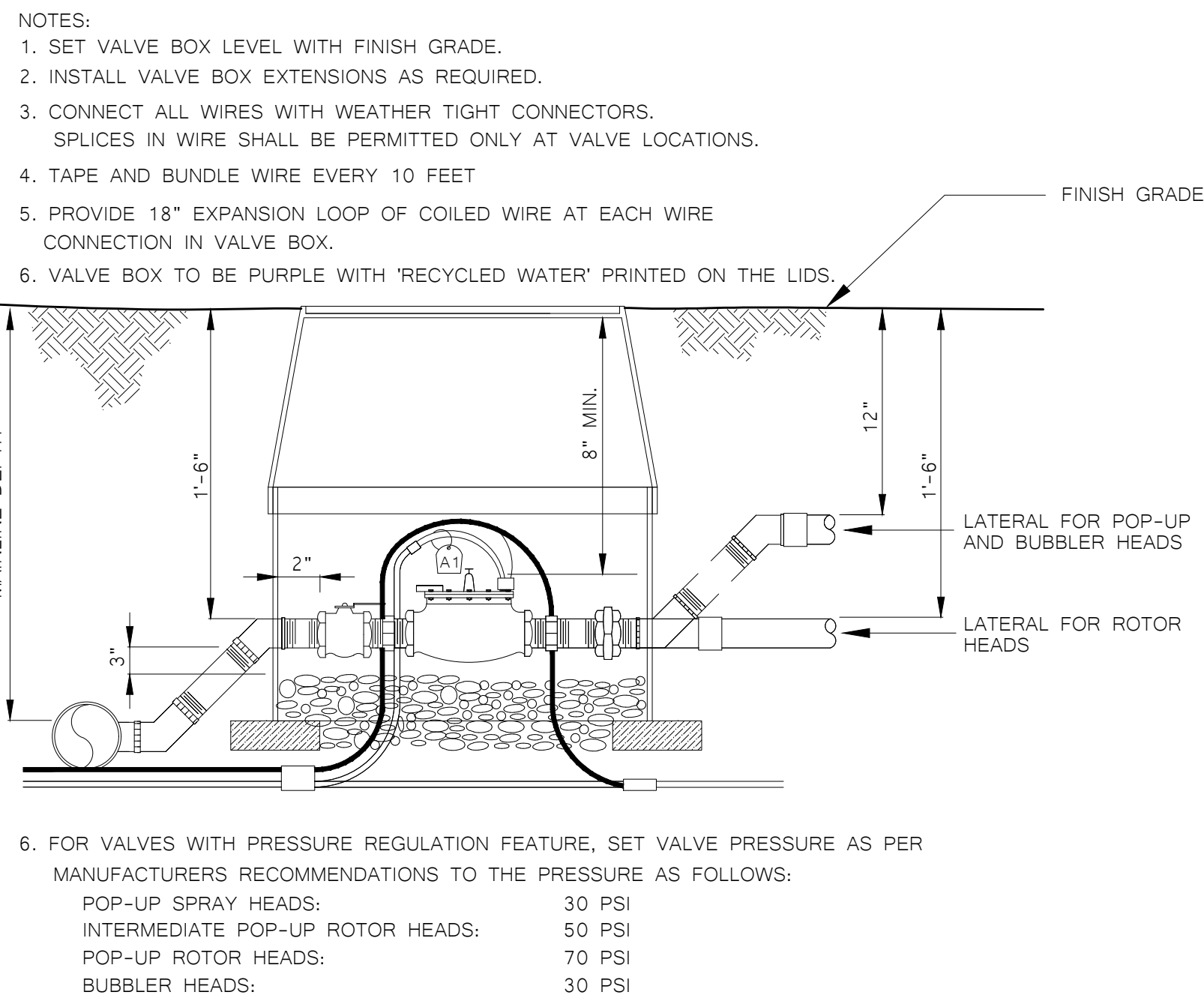


Exhibit A

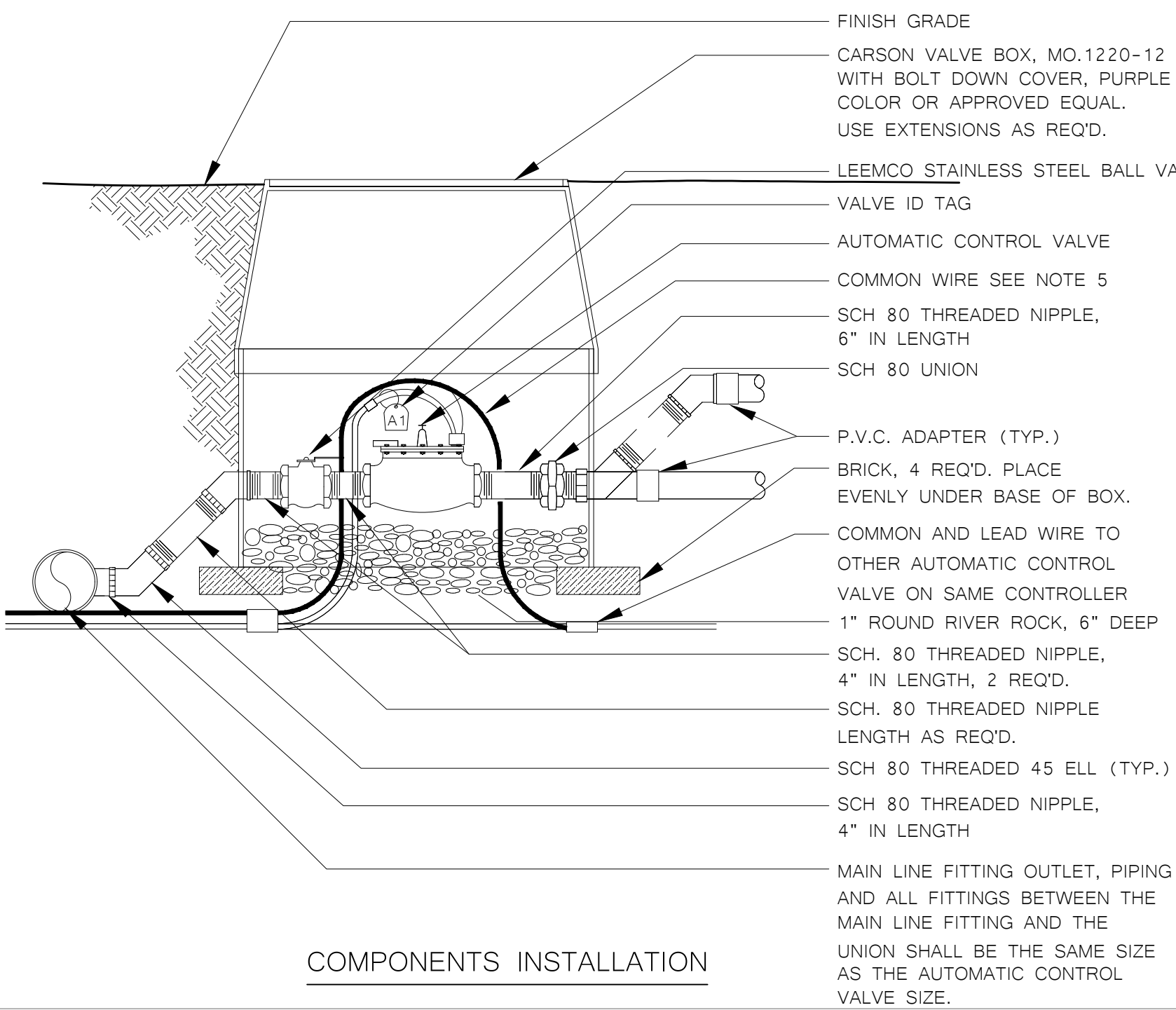


	AUTOMATIC CONTROLLER: HYDROPOINT BASELINE SYSTEM MODEL #1: ICAH-BL3-38-3P CONTROLLER SHALL FUNCTION AS AN EXPANSION/SATELLITE CONTROLLER TIED INTO THE EXISTING PRIMARY 3200 IRRIGATION CONTROLLER. CONTROLLER TO BE ASSUMED IN SB-16-SS STAINLESS STEEL TOP ENTRY STRONGBOX ENCLOSURE WITH ETHERNET, 36 STATION CONVENTIONAL WIRING, AND SURGE PROTECTION. COORDINATE 110V POWER SERVICE AND ETHERNET/DATA CONNECTION WITH ELECTRICAL SUB-CONTRACTOR. CONTRACTOR TO VERIFY EXISTING CONTROLLER CONFIGURATION, AVAILABLE STATION CAPACITY, AND COMMUNICATION REQUIREMENTS PRIOR TO INSTALLATION. CONTACT: KIM GOLDENSTEIN AT IMPERIAL TECH SERVICES: (619) 380-1833, kingdosten1@gmail.com
	EXISTING MASTER CONTROLLER (NOT SHOWN IN PLAN): HYDROPOINT BASELINE 3200 SYSTEM
	EXISTING BOOSTER PUMP (NOT SHOWN IN PLAN):
	POINT OF CONNECTION (RECYCLED WATER): THIS SPRINKLER IRRIGATION LEGEND IS DESIGNED TO OPERATE AT 40 PSI STATIC WATER PRESSURE AND WITH A MAXIMUM FLOW OF 48 GPM. CONTRACTOR SHALL LOCATE EXISTING 4" MAINLINE AS INDICATED ON DRAWINGS. CONNECT AT THIS POINT AND EXTEND AS INDICATED ON DRAWINGS.
	WIRE CONDUIT: PROVIDE CONDUIT FOR 21 WIRES. INCLUDING 18 CONTROL WIRES, 1 COMMON WIRE, AND 2 SPARE WIRES. SIZE CONDUIT TO HAVE 50% VOID SPACE.
	GATE VALVE: TYPE: 3" SIZE AND SMALLER: LEEMCO LGT-XXSS THREADED WITH A NON-RISING STEM AND HANDWHEEL. GATE VALVE INSTALLED IN A VALVE BOX WITH TOP OF BOX SET FLUSH TO FINISH GRADE. GATE VALVE TO BE LINE SIZE.
	PRESSURE MAIN LINE (PURPLE PIPE): TYPE: ASTM D1785, PVC SCHEDULE 40, PURPLE COLOR TRENCH DEPTH: IN PLANTED AREAS: 24" MINIMUM COVER. UNDER PAVED AREAS: 24" MINIMUM COVER. PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.
	EXISTING PRESSURE MAINLINE:
	LATERAL LINE (PURPLE PIPE): TYPE: ASTM D1785, PVC SCHEDULE 40, PURPLE PIPE. SOLVENT WELD ALL 3/4" SIZE PIPE SHALL BE 3/4" SIZE. TRENCH DEPTH: IN PLANTED AREAS: ROTOR HEADS: - 18" MINIMUM COVER. BUBBLER HEADS: - 12" MINIMUM COVER. UNDER PAVED AREAS: 24" MINIMUM COVER. PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.
	AUTOMATIC CONTROL VALVE: RAINBIRD PEB-PRS-D (PRESSURE REGULATOR AS INDICATED ON VALVE ID).
	QUICK COUPLER VALVE: RAINBIRD 4ANP VALVES SHALL HAVE PURPLE LOCKING RUBBER COVERS, INSTALLED IN VALVE BOXES. TOP OF VALVE BOX SHALL HAVE BOTH DOWN LID AND TOP SET LEVEL TO FINISH GRADE.
	LAWN POP-UP ROTOR HEADS: FULL CIRCLE HUNTER: I-20-06-R-SS-2.5 (BLUE NOZZLE) GPM/IN/HR SHOWN (50 PSI) FULL CIRCLE HUNTER: I-20-06-R-SS-1.5 (BLUE NOZZLE) GPM/IN/HR SHOWN (50 PSI)
	THREE QUARTER HUNTER: I-20-06-R-SS-2.5 (BLUE NOZZLE) GPM/IN/HR SHOWN (50 PSI)
	HALF CIRCLE HUNTER: I-20-06-R-SS-2.5 (BLUE NOZZLE) GPM/IN/HR SHOWN (50 PSI)
	QUARTER CIRCLE HUNTER: I-20-06-R-SS-2.5 (BLUE NOZZLE) GPM/IN/HR SHOWN (50 PSI)
	BIO-RETENTION POP-UP ROTOR HEADS: HALF CIRCLE HUNTER: I-20-12-R-PRB-MPR-35H GPM/IN/HR SHOWN (45 PSI) HALF CIRCLE HUNTER: I-20-12-R-PRB-MPR-30H GPM/IN/HR SHOWN (45 PSI)
	QUARTER CIRCLE HUNTER: I-20-12-R-PRB-MPR-30Q GPM/IN/HR SHOWN (45 PSI)
	TREE BUBBLER HEADS (TWO HEADS PER TREE): HUNTER: RZWS-18-25-CV-R.
	AUTOMATIC DRIP IRRIGATION VALVE/FILTER/PRESSURE REGULATOR: RAINBIRD CONTROL ZONE KIT MODEL XCZ-100-PRB-COM (PRESSURE REGULATOR AS INDICATED ON VALVE ID).
	SUBSURFACE INLINE DRIP SYSTEM: NETAFIM TUBING TO BE TECHLINE RW (PUNPLI STRIPPED DRUPLINE) AND IS TO BE INSTALLED IN THE DIRECTION OF THE ARROW AS SHOWN ON PLAN. TECHLINE TO BE INSTALLED 5" BELOW GRADE IN TURF AND 4" BELOW GRADE IN SHRUB BEDS. PVC SCHEDULE 40 LATERAL LINES SHOWN ON THE PLAN. NETAFIM TECHLINE RW NOT SHOWN. NETAFIM DRIP TUBING SPACING: SHRUB/GROUND-COVER PLANTER AREAS: 18" ROW SPACING (0.42 GPH) TECHLINE RW TUBING NOT TO EXCEED 400' IN A SINGLE RUN.
	FLUSH VALVE: SEE DETAIL 9/14.3
	INDICATES DRIP CONTROL VALVE: PRESSURE REGULATOR: PSI SHOWN (// IF NOT SPECIFIED, ADJ IF ADJUSTABLE) STATION NUMBER VALVE SIZE GALLONS: GPM
	INDICATES CONTROL VALVE: PRESSURE REGULATOR: PSI SHOWN (// IF NOT SPECIFIED, ADJ IF ADJUSTABLE) STATION NUMBER VALVE SIZE GALLONS: GPM

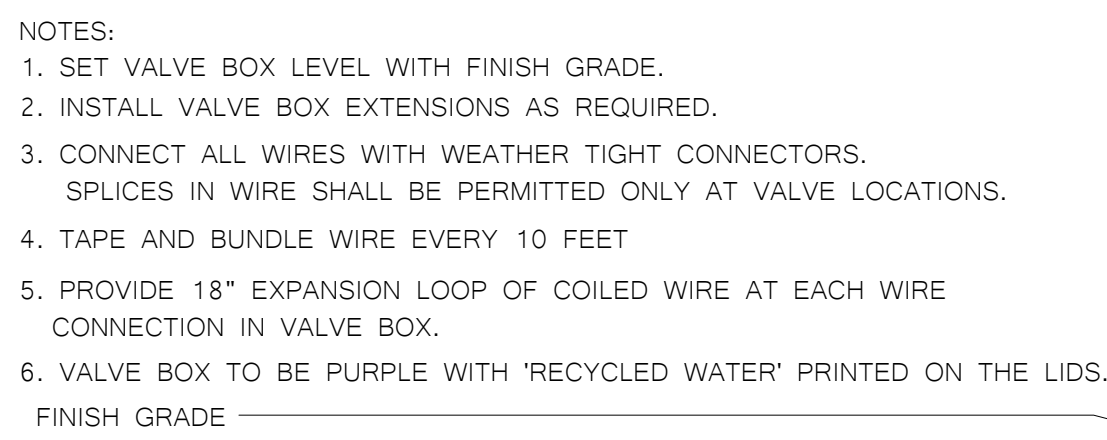
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VALVE BOX, SETTINGS, AND CLEARANCES



COMPONENTS INSTALLATION



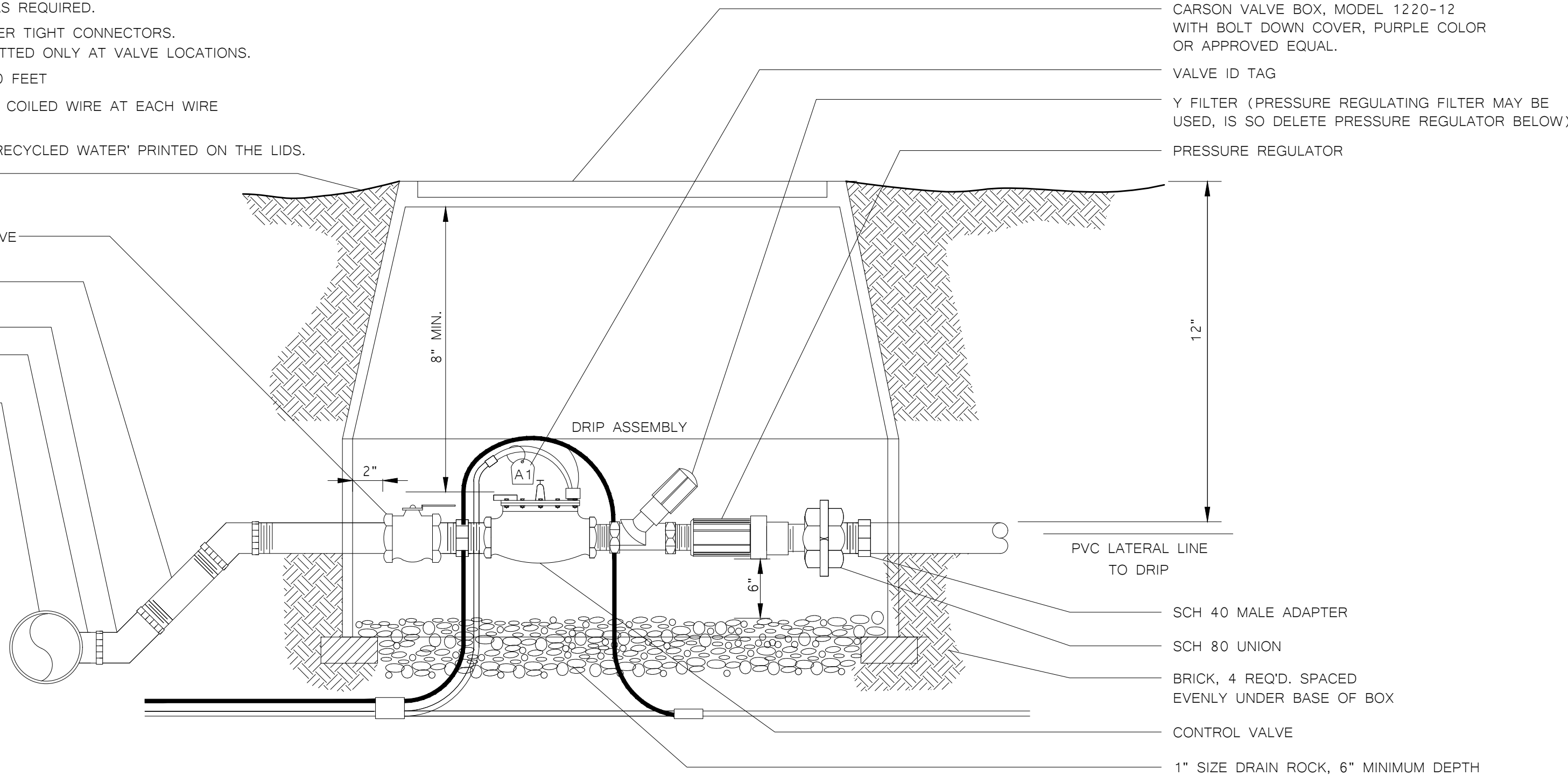
LEEMCO STAINLESS STEEL BALL VALVE

SCH. 80 THREADED NIPPLE LENGTH AS REQ'D.

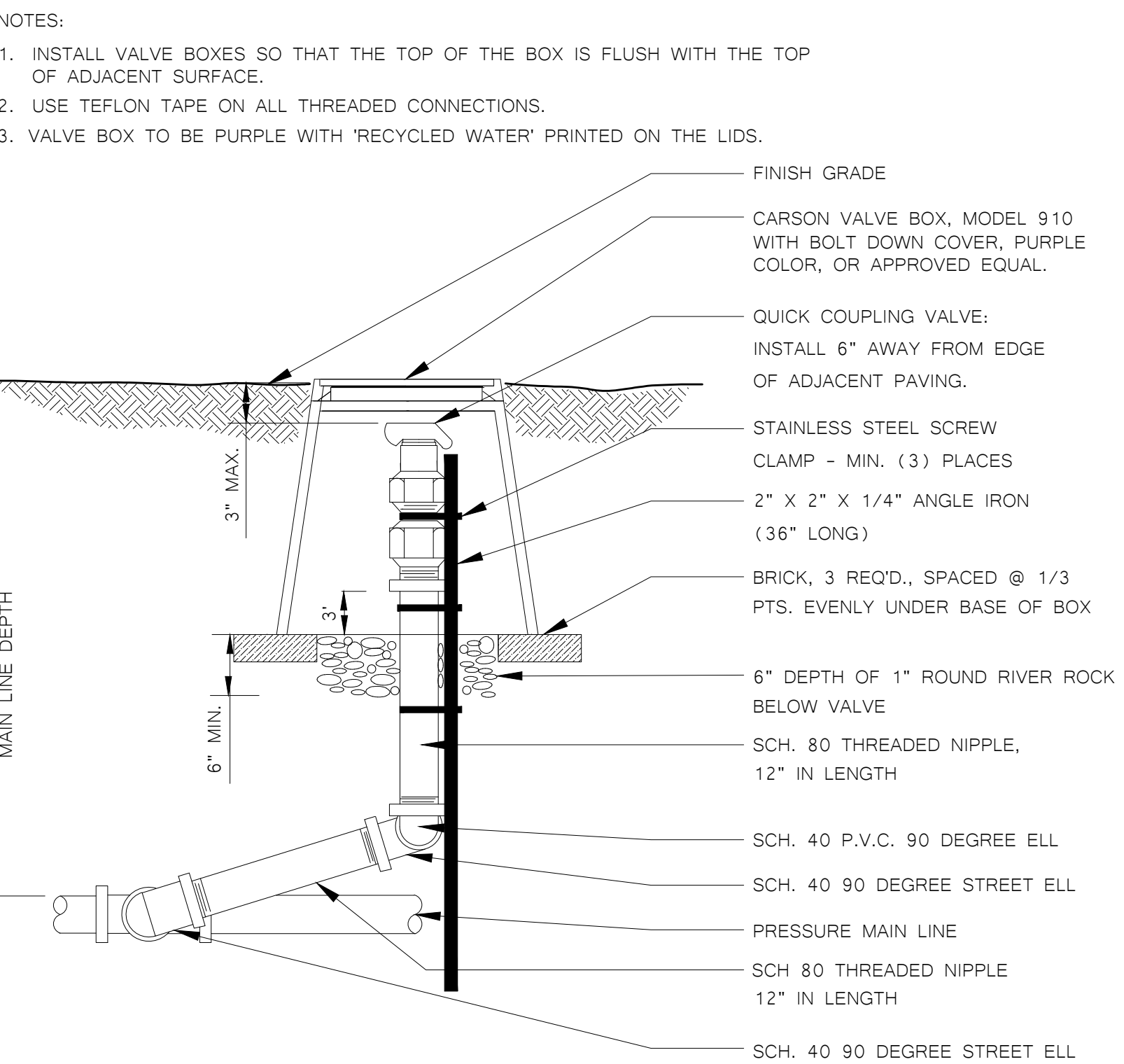
SCH 80 THREADED 45 ELL. (TYP.)

SCH 80 THREADED NIPPLE, 4" IN LENGTH

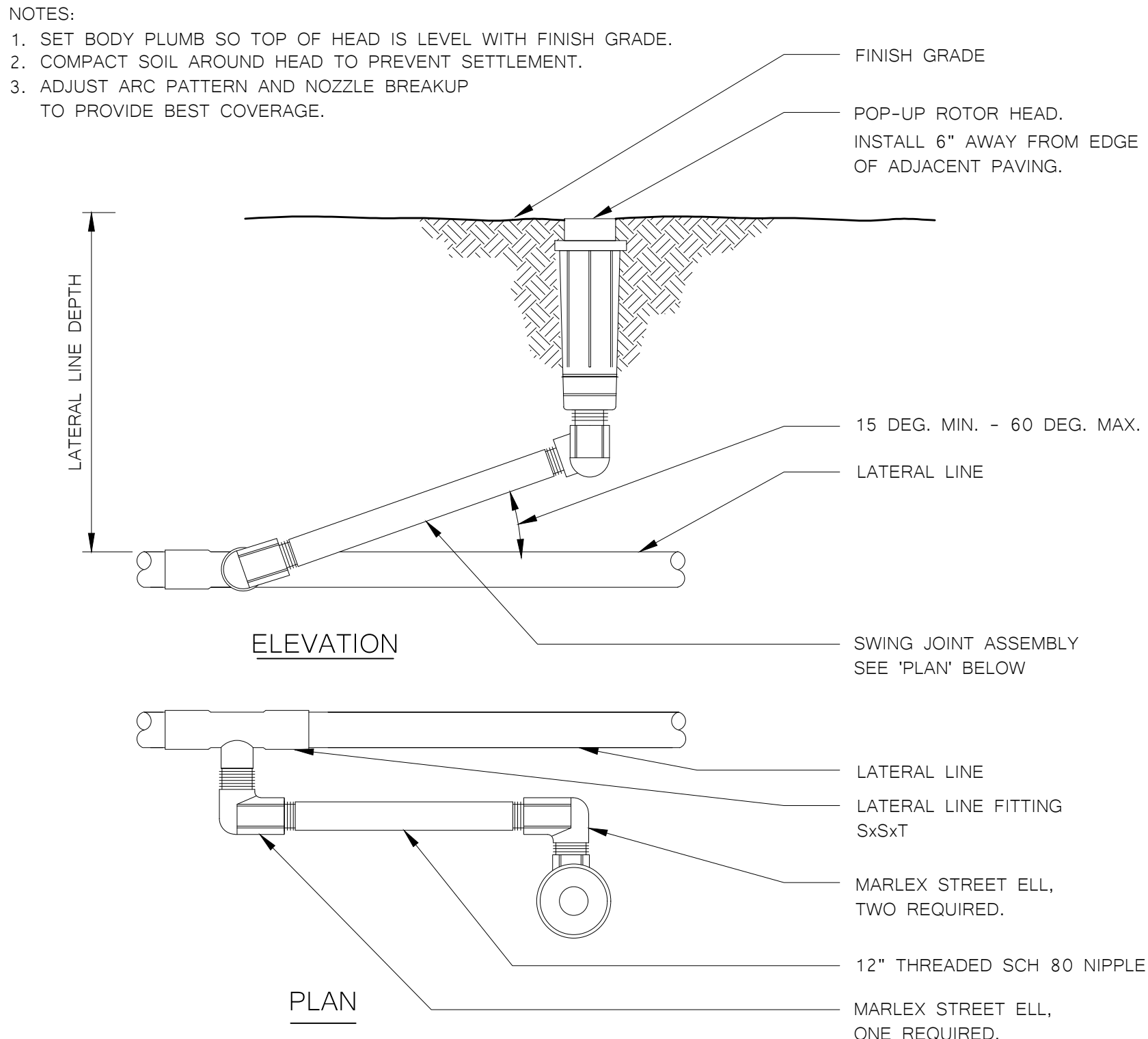
MAIN LINE FITTING OUTLET, PIPING AND ALL FITTINGS BETWEEN THE MAIN LINE FITTING AND THE UNION SHALL BE THE SAME SIZE AS THE AUTOMATIC CONTROL VALVE SIZE.



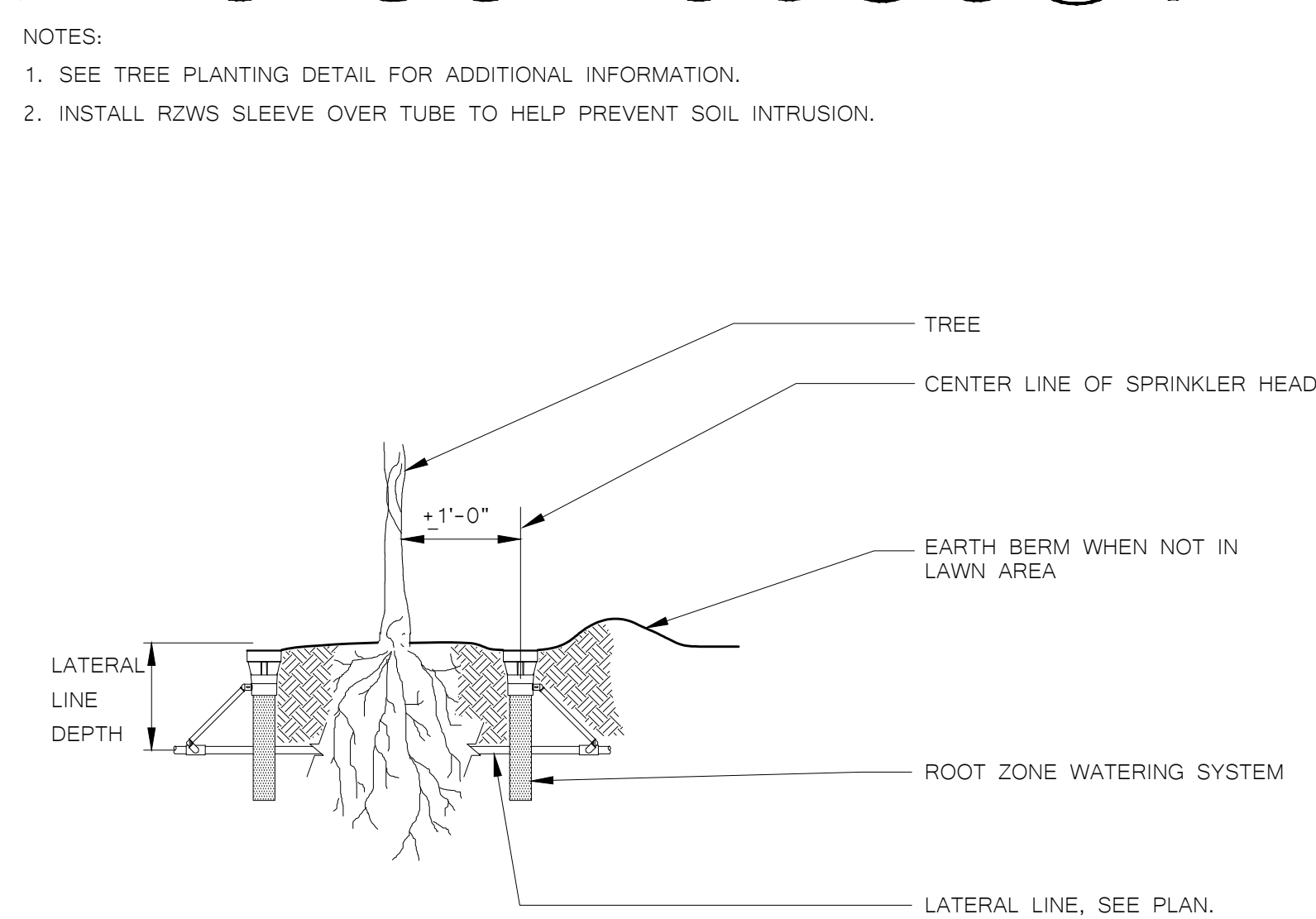
PRESSURE REGULATOR DRIP IRRIGATION VALVE DETAIL



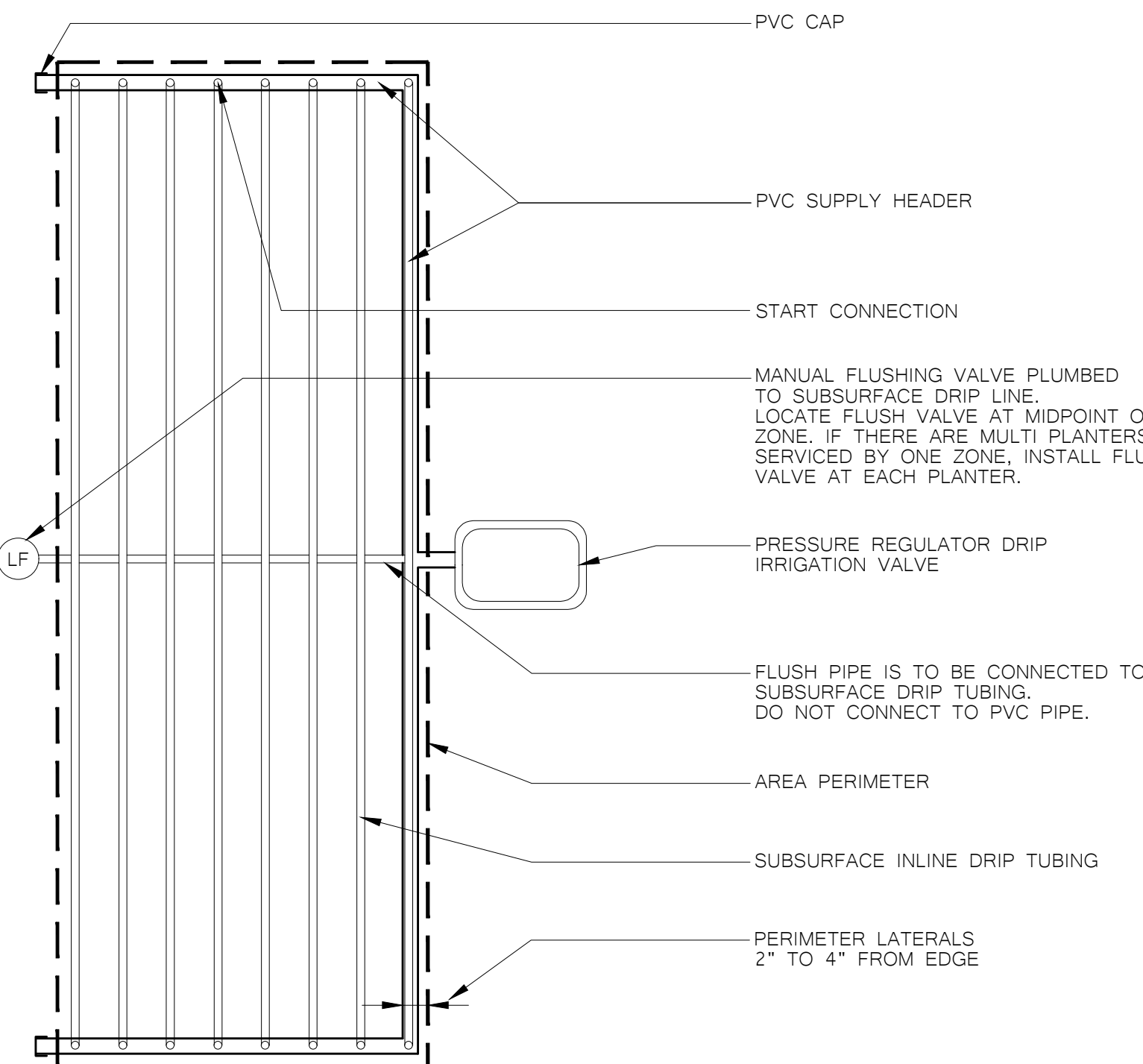
QUICK COUPLING VALVE DETAIL



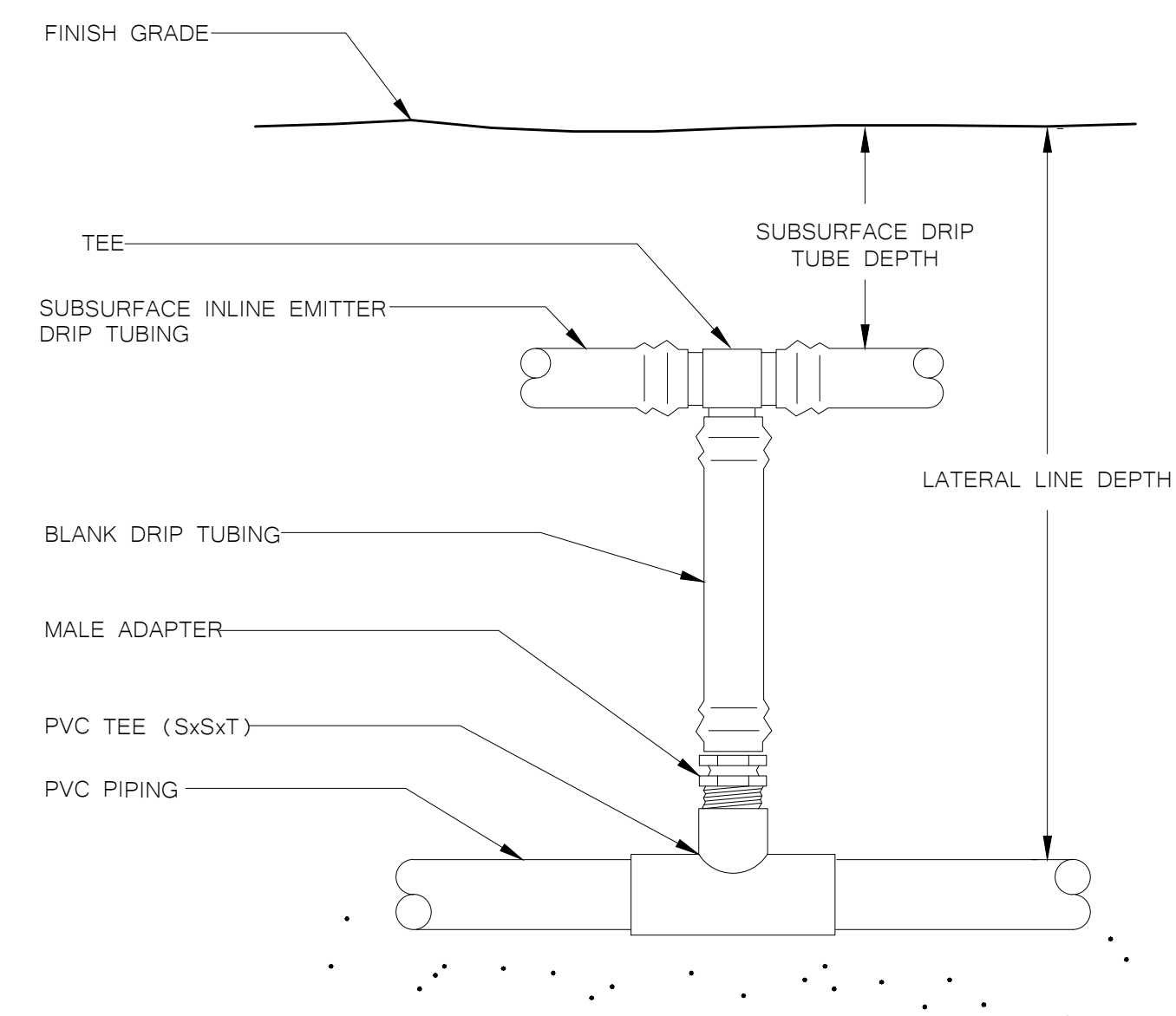
POP-UP ROTOR HEAD DETAIL



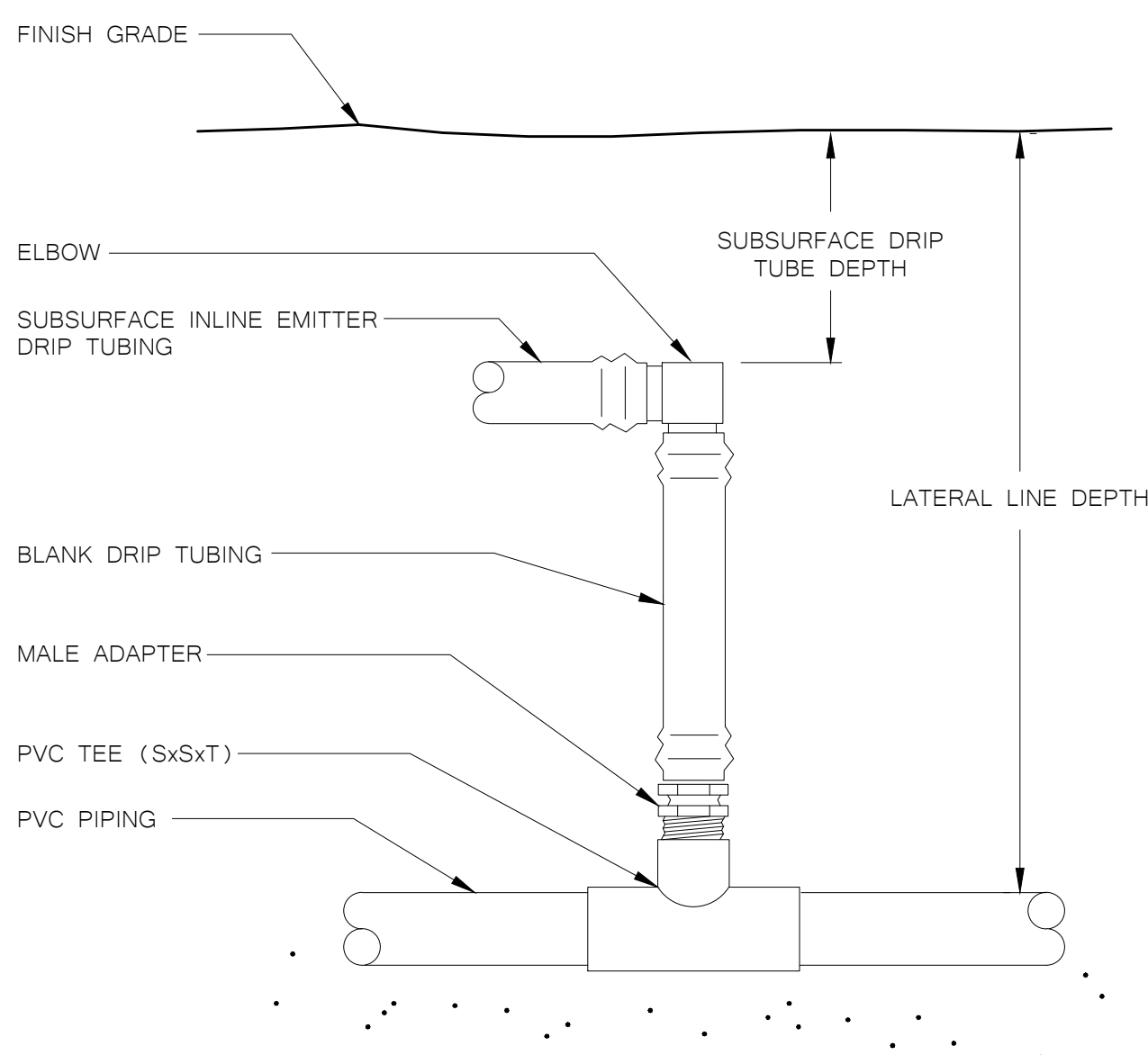
TREE BUBBLER HEAD DETAIL



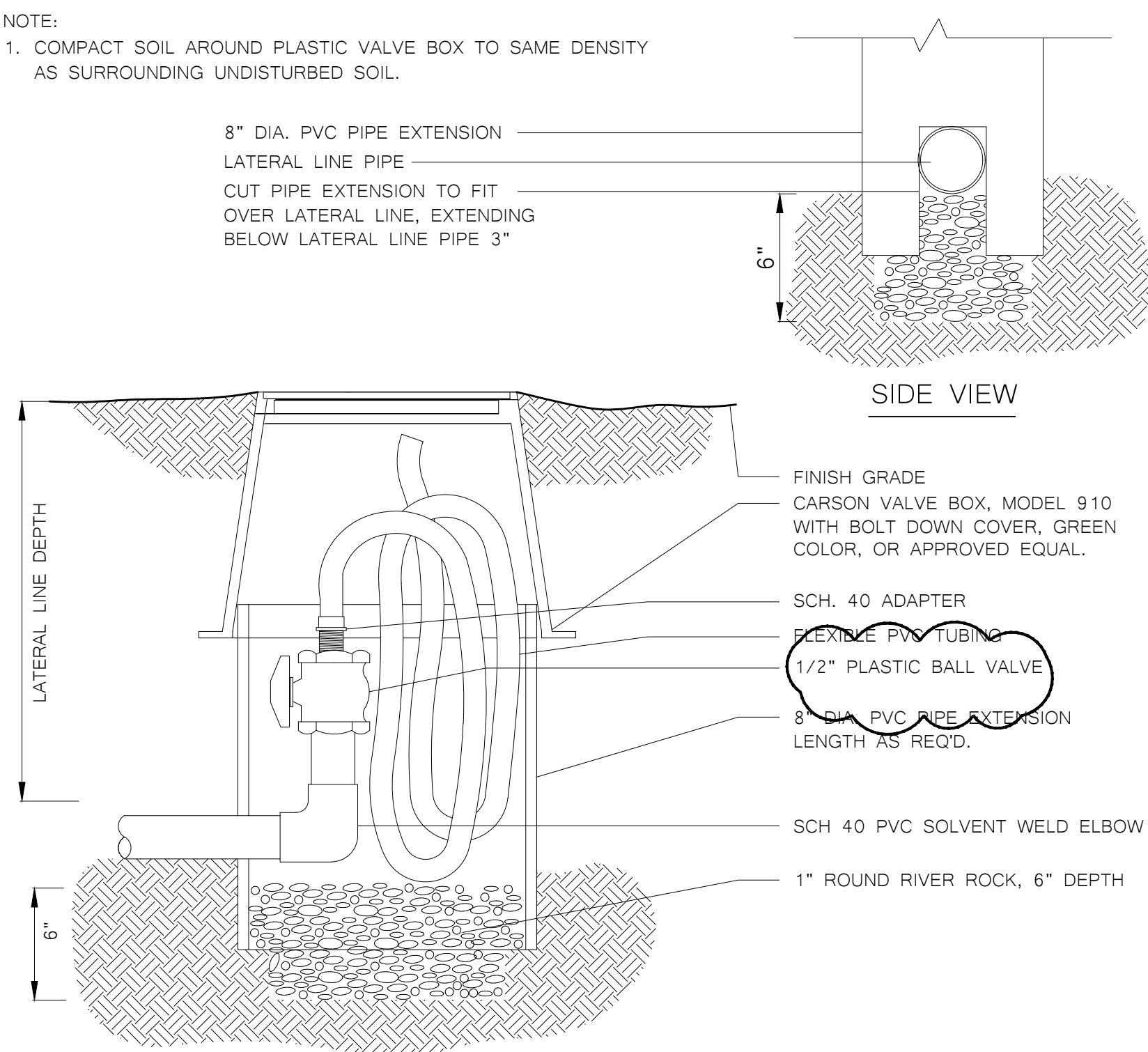
SUBSURFACE INLINE DRIP LAYOUT DETAIL



SUBSURFACE DRIP - TEE START CONNECTION DETAIL



SUBSURFACE DRIP - ELBOW START CONNECTION DETAIL



FLUSH VALVE DETAIL

INCREMENT NO. 1

AGENCY APPROVAL DSA APP NO. 02-123892

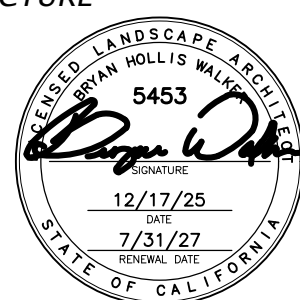
CREEKVIEW RANCH SCHOOL
CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

25-42

MTW group
LANDSCAPE ARCHITECTURE
AND PLANNING
2707 K Street, Suite 201
Sacramento, CA 95816
916.369.3990



CONSULTANT

nacht&lewis

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Sacramento, CA 95811
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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	PRE-BID RFI	7/20/26

DATE: 4/24/2026

JOB NO.: Y2514.00

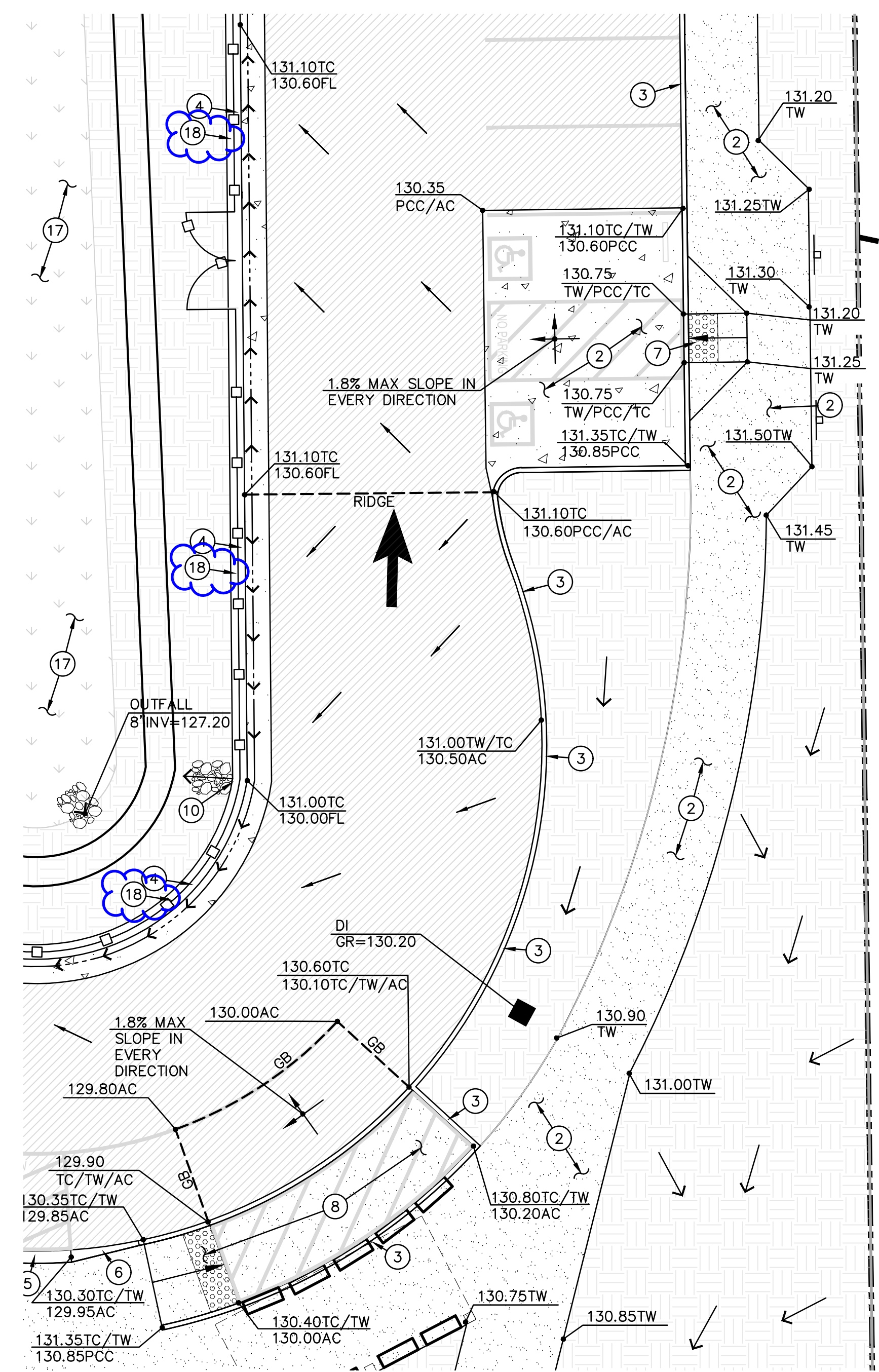
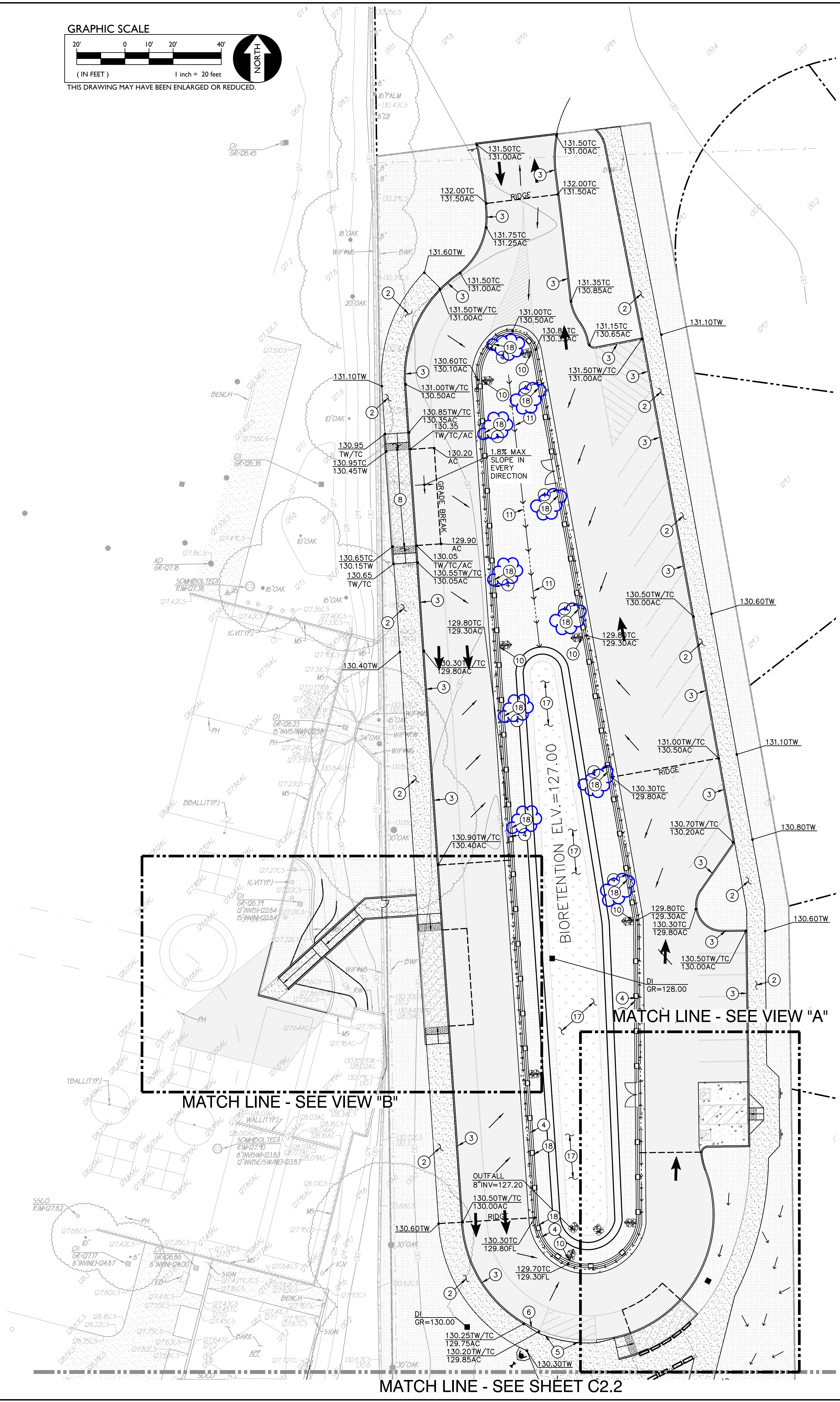
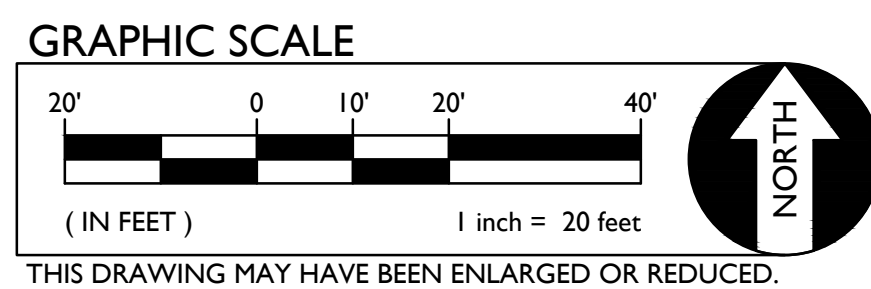
SHEET TITLE

SPRINKLER
IRRIGATION
DETAILS

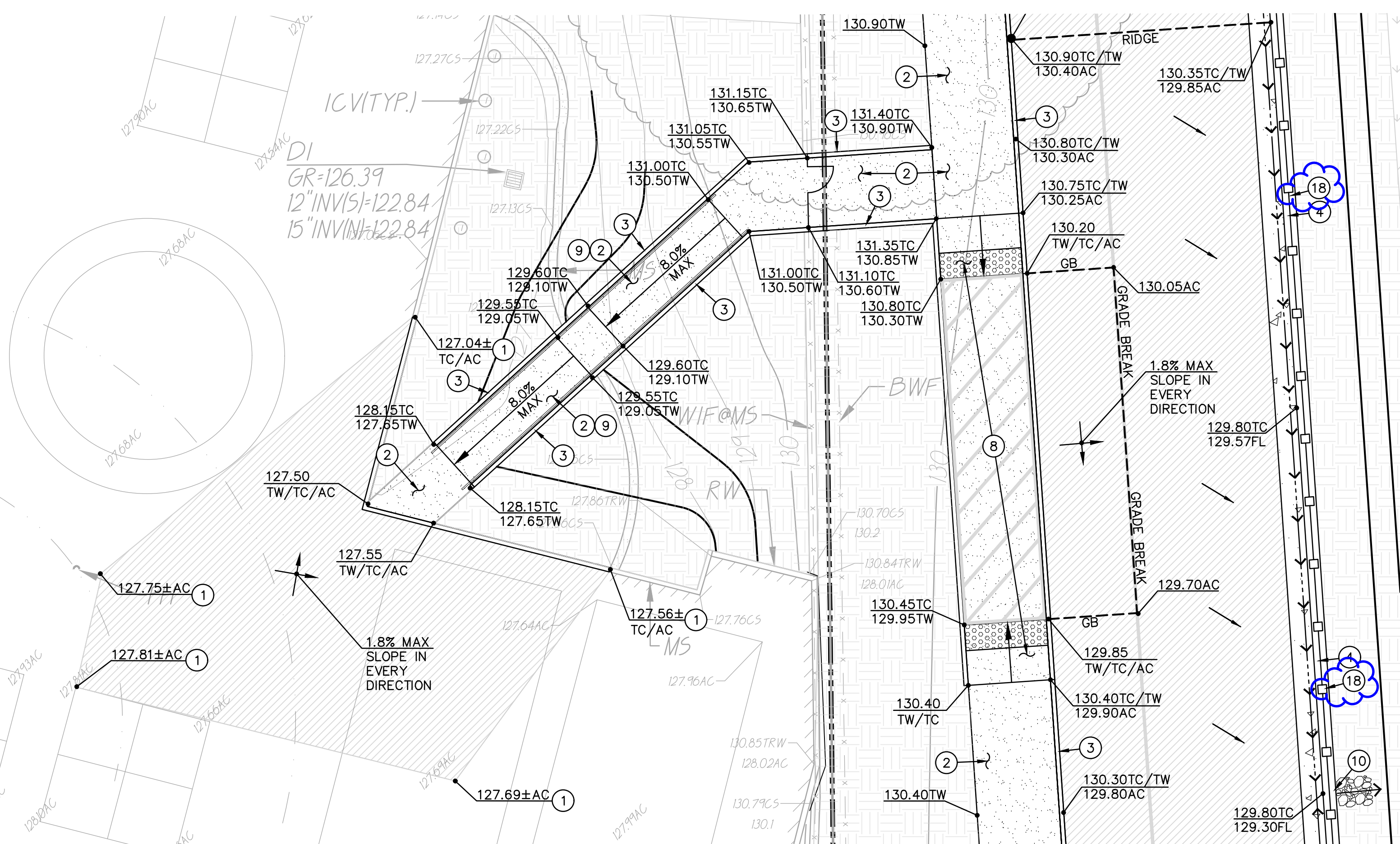
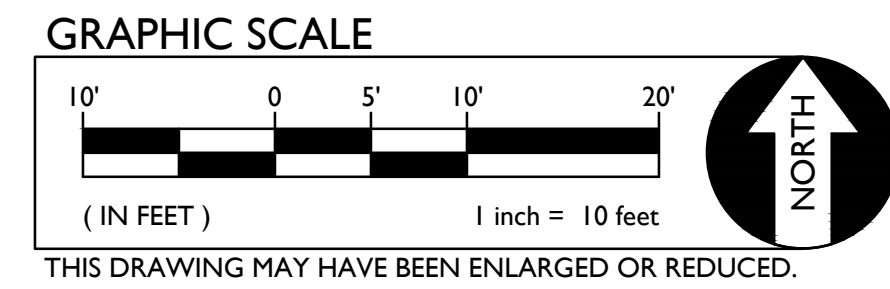
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L4.3
AD3.05

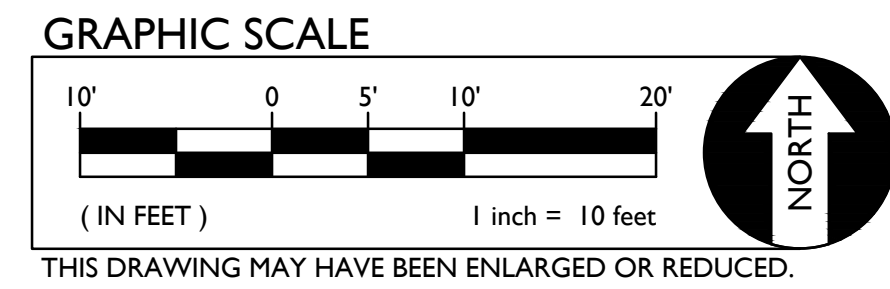
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VIEW "A"



VIEW "B"



- GRADING NOTES
NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET
1. MATCH EXISTING GRADE/ELEVATION.
 2. CONSTRUCT CONCRETE SIDEWALK PER (1) C7.1
 3. CONSTRUCT CONCRETE CURB PER (2) C7.1
 4. CONSTRUCT CONCRETE CURB AND GUTTER PER (4) C7.1
 5. CONSTRUCT ROLLED CURB WITH SIDEWALK PER (5) C7.1
 6. TRANSITION FROM VERTICAL CURB TO ROLLED CURB.
 7. CONSTRUCT ACCESSIBLE CURB RAMP PER (9) C7.1
 8. CONSTRUCT ACCESSIBLE LOADING ZONE PER (10) C7.1
 9. CONSTRUCT CONCRETE RAMP PER (15) C7.1
 10. CONSTRUCT CURB OPENING PER (11) C7.1
 11. CONSTRUCT SWALE.
 12. GRADE UNIFORMLY TO INLET AND/OR SWALE.
 13. CONSTRUCT CONCRETE FLUSH CURB PER (3) C7.1
 14. CONSTRUCT 12" CONCRETE SEATWALL PER (12) C7.1
 15. PROVIDE 4"x4", GALVANIZE BOX TUBE, 0.125" MIN WALL, INSIDE OF TUBE SET FLUSH WITH CONCRETE SURFACE, WITH THE TUBE SLOPED AT 1/4" WITH RIP RAP ON THE LANDSCAPE SIDE, PER (14) C7.1
 16. CONSTRUCT CONCRETE APRON PER (14) C7.2
 17. CONSTRUCT BIORETENTION AREA PER (14) C7.2
 18. CONSTRUCT CONCRETE FENCE MOW BAND PER (15) C7.2

INCREMENT NO. 1

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CREEKVIEW RANCH SCHOOL
CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. 074696
STATE OF CALIFORNIA
07/20/2026

WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870
CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
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ARCHITECT DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 04/24/2026
JOB NO.: Y2514.00
SHEET TITLE

GRADING PLAN

SHEET NO.

C2.1
AD3.06

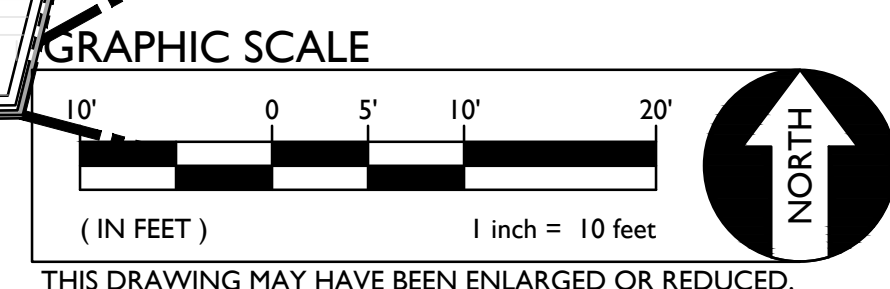
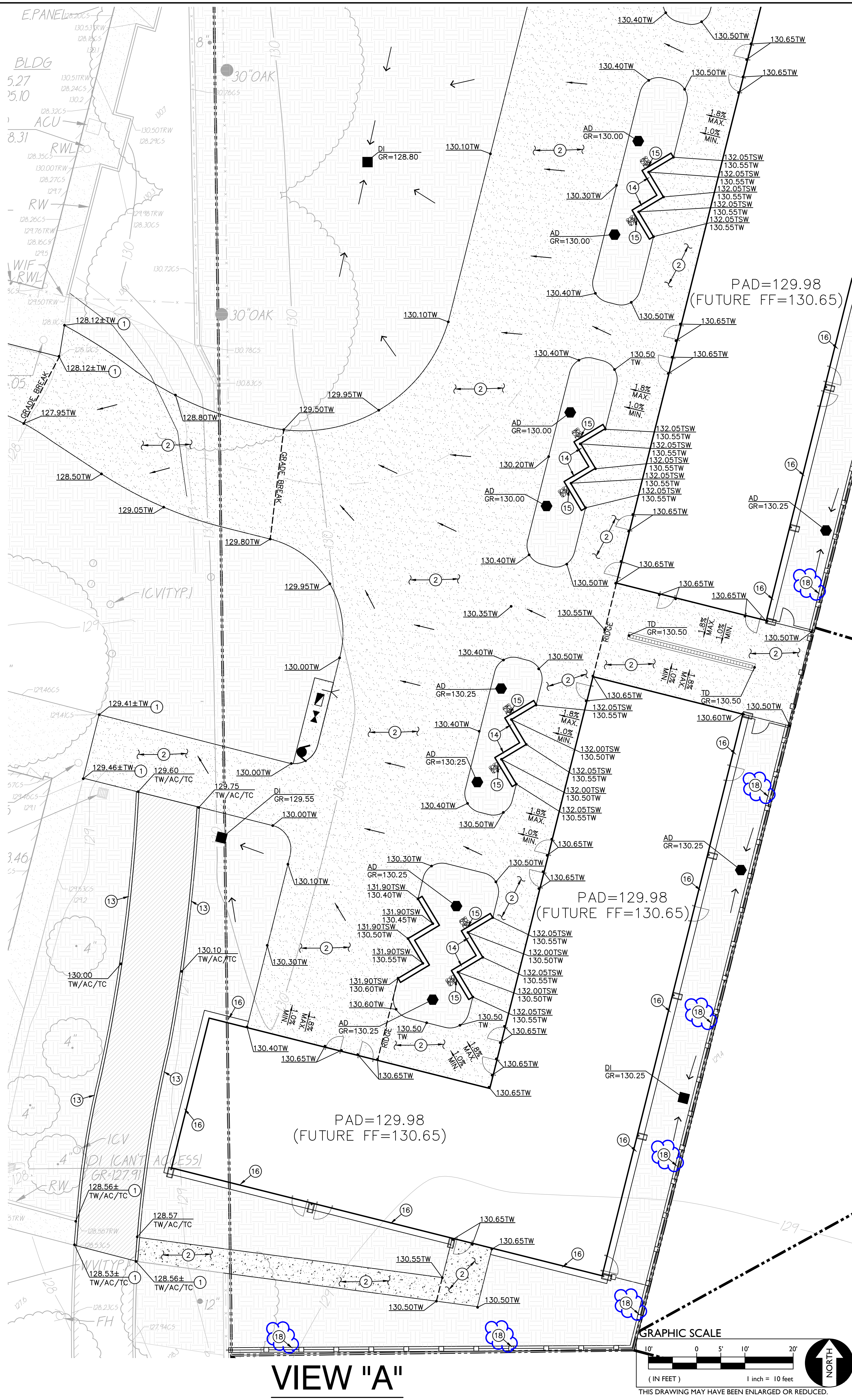
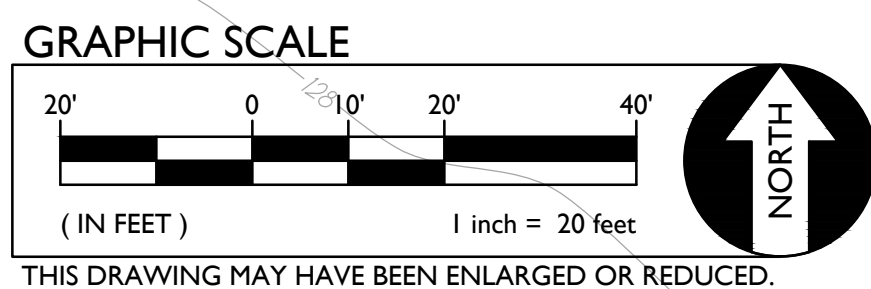
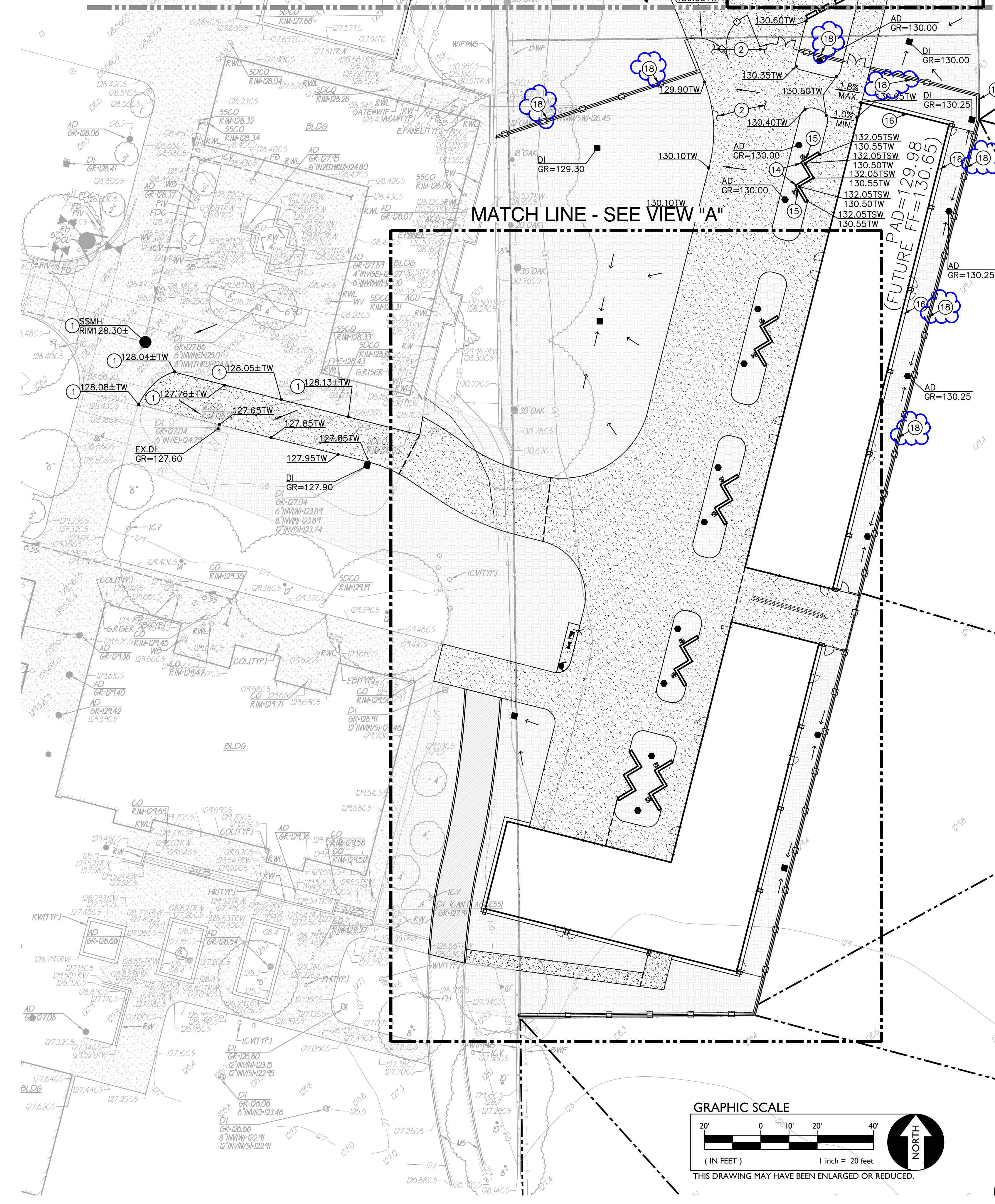
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GENERAL NOTES
1. COORDINATE WITH INCREMENT 2 BUILDING PLANS.

- GRADING NOTES
NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET
- MATCH EXISTING GRADE/ELEVATION.
 - CONSTRUCT CONCRETE SIDEWALK PER
 - CONSTRUCT CONCRETE CURB PER
 - CONSTRUCT CONCRETE CURB AND GUTTER PER
 - CONSTRUCT ROLLED CURB WITH SIDEWALK PER
 - TRANSITION FROM VERTICAL CURB TO ROLLED CURB.
 - CONSTRUCT ACCESSIBLE CURB RAMP PER
 - CONSTRUCT ACCESSIBLE LOADING ZONE PER
 - CONSTRUCT CONCRETE RAMP PER
 - CONSTRUCT CURB OPENING PER
 - CONSTRUCT SWALE.
 - GRADE UNIFORMLY TO INLET AND/OR SWALE.
 - CONSTRUCT CONCRETE FLUSH CURB PER.
 - CONSTRUCT 12" CONCRETE SEATWALL PER.
 - PROVIDE 4"x4", GALVANIZE BOX TUBE, 0.125" MIN WALL, INSIDE OF TUBE SET FLUSH WITH CONCRETE SURFACE, WITH THE TUBE SLOPED AT 1/4" WITH RIP RAP ON THE LANDSCAPE SIDE, PER 11/C7.1
 - CONSTRUCT CONCRETE APRON PER
 - CONSTRUCT BIORETENTION AREA PER
 - CONSTRUCT CONCRETE FENCE MOW BAND PER

MATCH LINE - SEE SHEET C2.1

MATCH LINE - SEE VIEW "A"



INCREMENT NO. 1

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DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

ANTHONY J. TASSANO
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02/20/2026
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REVISIONS		
NO.	DESCRIPTION	DATE

DATE: 04/24/2026
JOB NO.: Y2514.00
SHEET TITLE

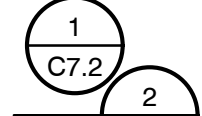
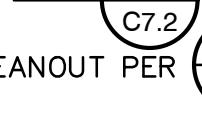
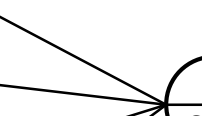
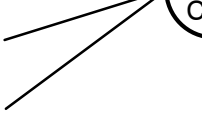
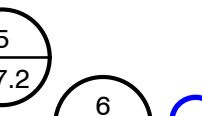
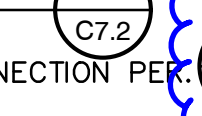
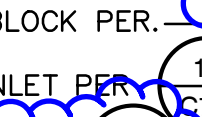
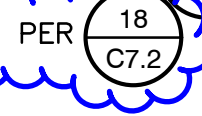
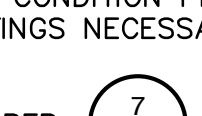
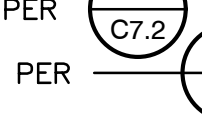
GRADING PLAN

SHEET NO.

C2.2
AD3.07

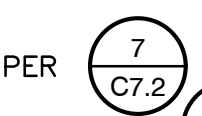
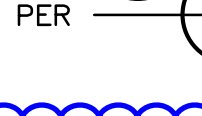
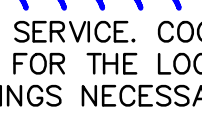
○ DRAINAGE NOTES

NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET

31. CONNECT TO EXISTING STORM DRAIN. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
32. CONSTRUCT DROP INLET PER 
33. CONSTRUCT AREA DRAIN PER 
34. CONSTRUCT STORM DRAIN CLEANOUT PER 
35. PLACE 4" STORM DRAIN PER 
36. PLACE 6" STORM DRAIN PER 
37. PLACE 8" STORM DRAIN PER 
38. PLACE 12" STORM DRAIN PER 
39. PLACE 4" SUBDRAIN PER 
40. CONSTRUCT OUTFALL PER 
41. CONSTRUCT DOWNSPOUT CONNECTION PER 
42. PROVIDE CONCRETE SPLASH BLOCK PER 
43. CONSTRUCT BIO-RETENTION INLET PER 
44. CONSTRUCTION TRENCH DRAIN PER 

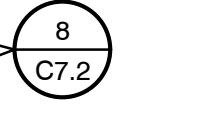
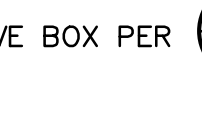
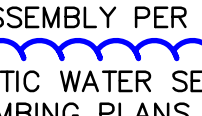
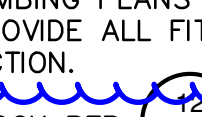
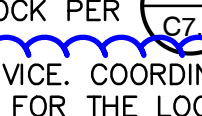
○ SEWER NOTES

NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET

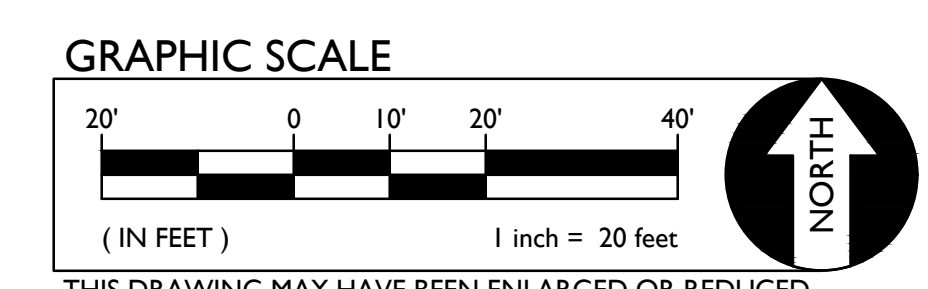
51. CONNECT TO EXISTING SEWER. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
52. CONSTRUCT SEWER MANHOLE PER 
53. CONSTRUCT SEWER CLEANOUT PER 
54. PLACE 6" SEWER PER 
55. CONNECT TO BUILDING SEWER SERVICE. COORDINATE WITH INC-2 PLUMBING PLANS FOR THE LOCATION AND SIZES. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

○ WATER NOTES

NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET

71. CONNECT TO EXISTING WATER LINE. FIELD VERIFY EXACT DEPTH AND LOCATION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
72. PLACE 6" WATER PER 
73. PLACE 4" WATER PER 
74. PLACE GATE VALVE AND VALVE BOX PER SIZE TO MATCH LINE SIZE. 
75. CONSTRUCT FIRE HYDRANT ASSEMBLY PER 
76. CONNECT TO BUILDING DOMESTIC WATER SERVICE. COORDINATE WITH INC-2 PLUMBING PLANS FOR THE LOCATION AND SIZES. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
77. PLACE CONCRETE THRUST BLOCK PER 
78. CONNECT TO FIRE WATER SERVICE. COORDINATE WITH INC-2 PLUMBING PLANS FOR THE LOCATION AND RAISER DETAIL. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

MATCH LINE - SEE SHEET C3.1



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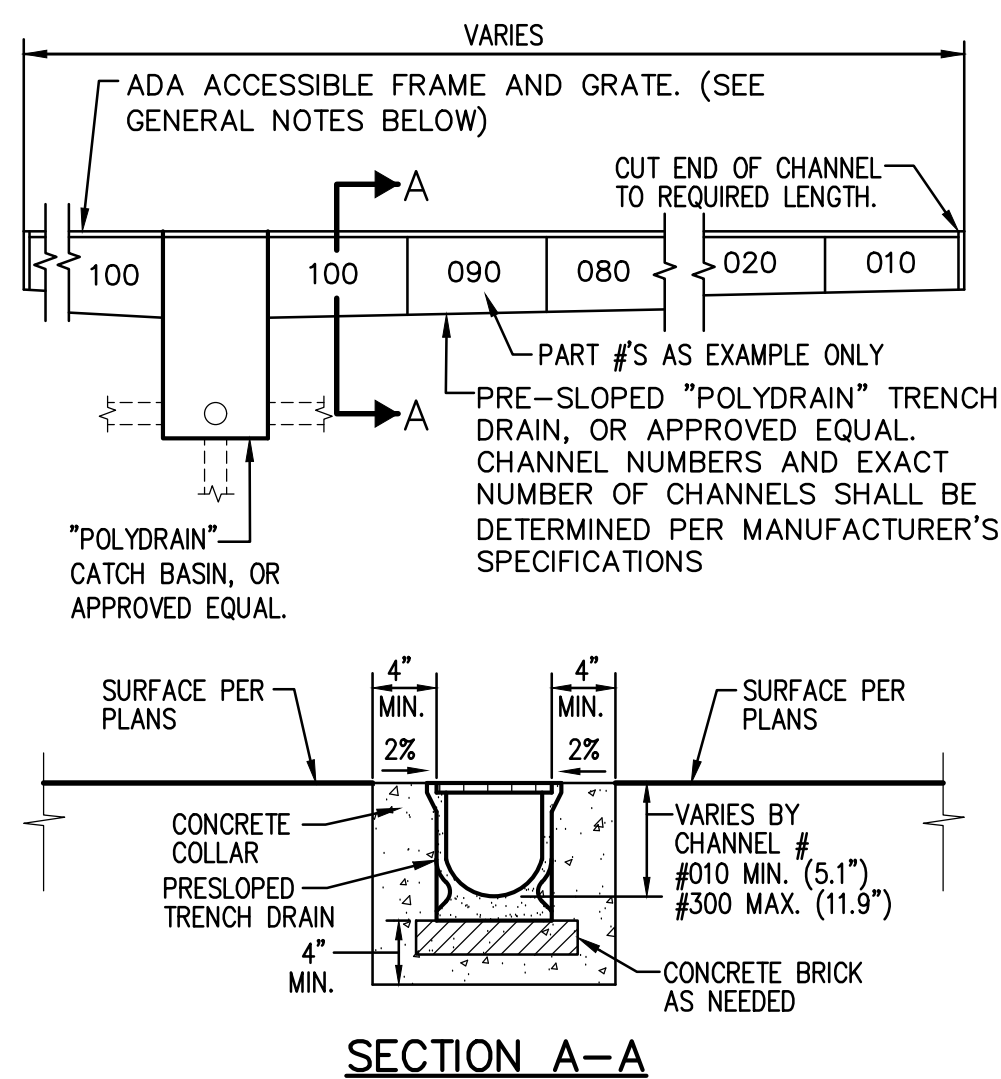
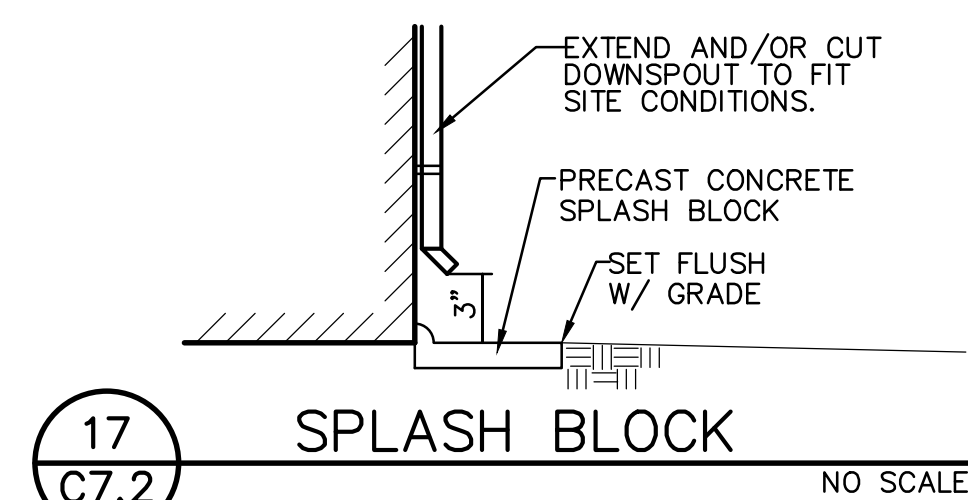
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SHEET TITLE

UTILITY PLAN

SHEET NO.

C3.2
AD3.08



GENERAL NOTES:

- GRATE SHALL ADA ACCESSIBLE, POLYDRAIN MODEL 2412 OR APPROVED EQUAL. IF PLACED IN FIRE LANE OR AREA DESIGNATED FOR VEHICLE TRAFFIC PROVIDE POLYDRAIN MODEL 2506.
- IF TRENCH DRAIN IS PLACED IN FIRE LANE OR AREA DESIGNATED FOR VEHICLE TRAFFIC PROVIDE GALVANIZED STEEL "OVERLAY RAILS" AS SUPPLIED BY POLYDRAIN, OR APPROVED EQUAL.
- CONTRACTOR SHALL FURNISH AND INSTALL A MODEL 2811B LOCKING DEVICE, OR APPROVED EQUAL, FOR ALL TRENCH DRAIN GRATES.
- CONTRACTOR SHALL FURNISH AND INSTALL A TRASH BUCKET, MODEL 2900, IN ALL TRENCH DRAIN CATCH BASINS.
- CONTRACTOR SHALL PURCHASE AND FURNISH THE MAINTENANCE/OPERATIONS DEPARTMENT OF THE SCHOOL WITH 2 MODEL 2231 TRENCH DRAIN SHOVEL HEADS, WITH STANDARD WOOD, OR COMPOSITE HANDLES.
- ALL MITERED JOINTS SHALL BE SEALED WITH POLYDRAIN "POLYSEAL" CAULKING OR APPROVED EQUAL.

NO DUMPING!
FLOWS TO CREEK

12
C7.2 **STORMWATER STAMP/PLAQUE** NO SCALE
OTHER STYLES OK WITH APPROVAL

REQUIRED BEARING AREAS IN SQ. FT.	INSTALLATION	FITTING TYPE	PIPE SIZES					
			4"	6"	8"	10"	12"	
90° ELL			3	6	10	14	20	
45° ELL			2	3	5	8	11	
22.5° ELL			1	2	3	4	5	
11.25° ELL			1	1	2	2	3	
TEE			2	4	7	10	14	
DEAD END			2	4	7	10	14	
GATE VALVE 4" OR LARGER			2	4	7	10	14	

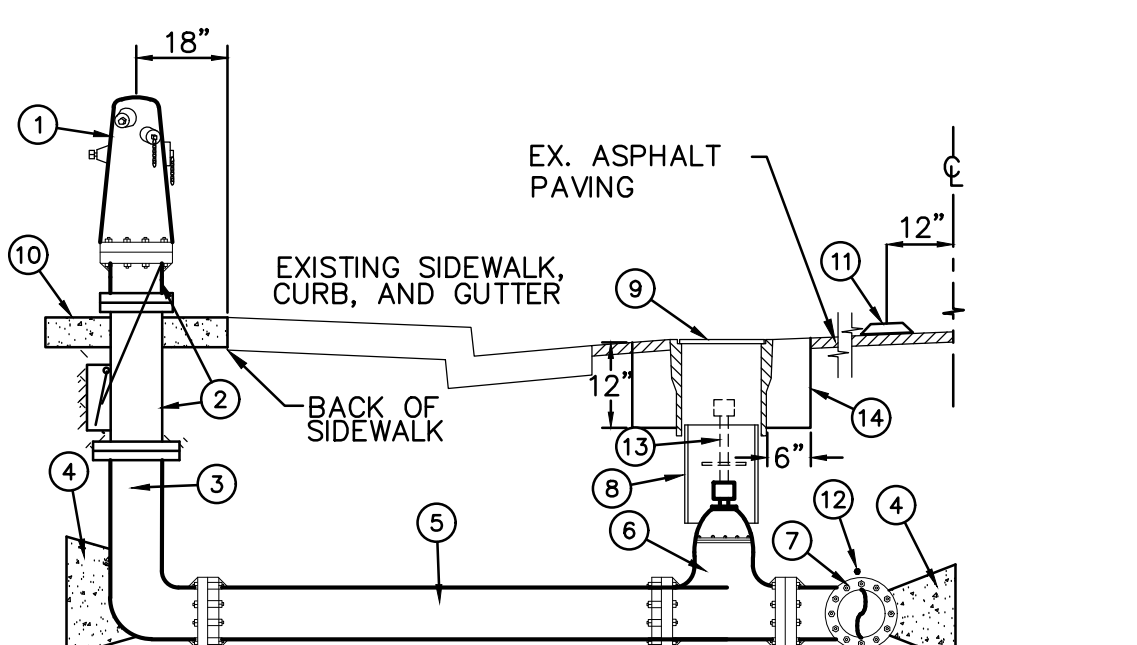
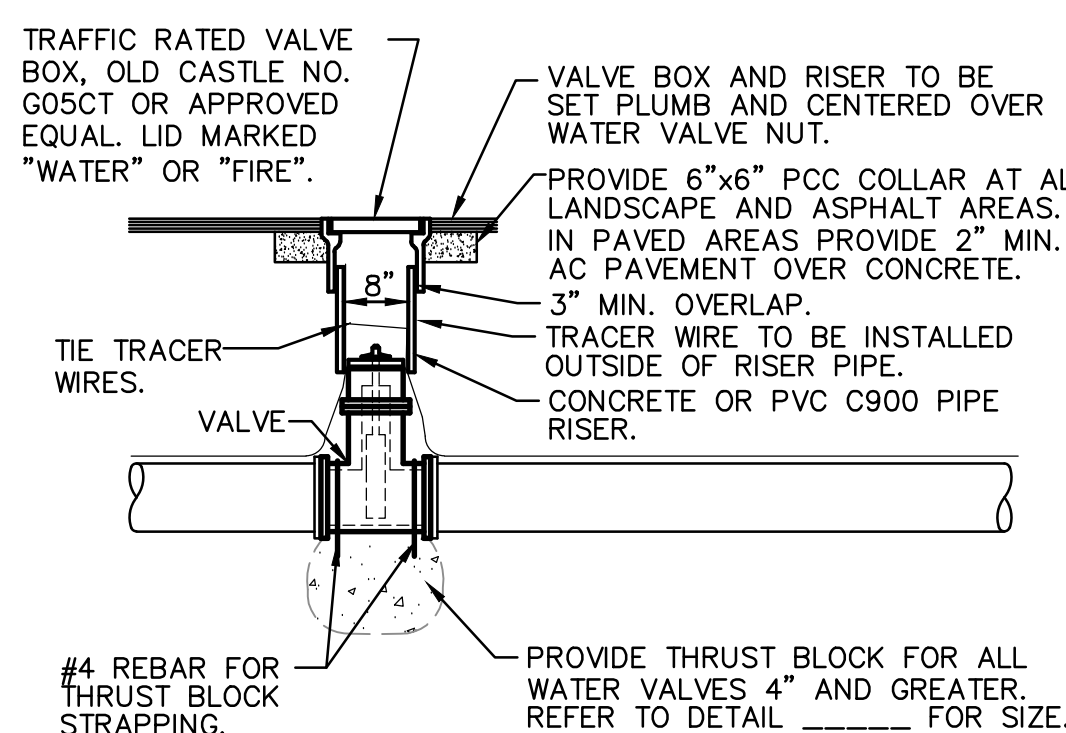
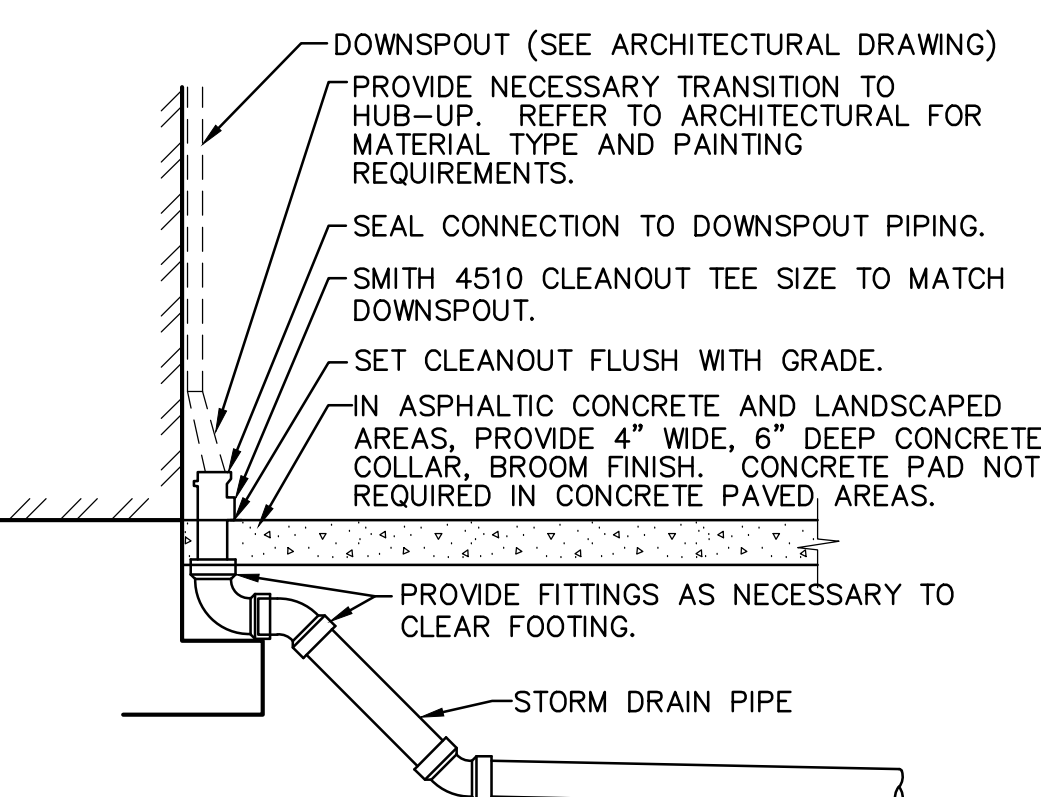
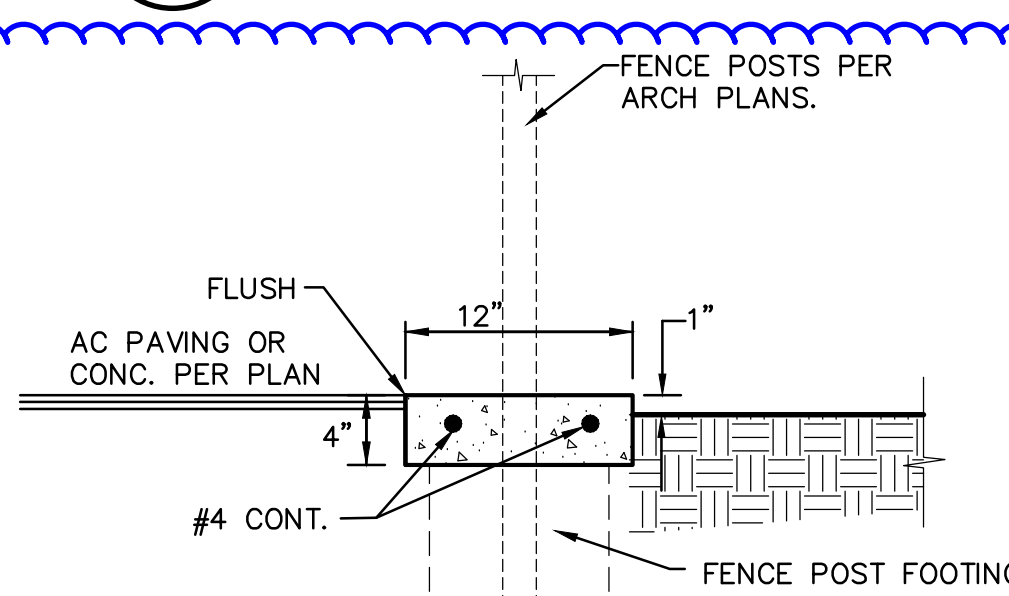
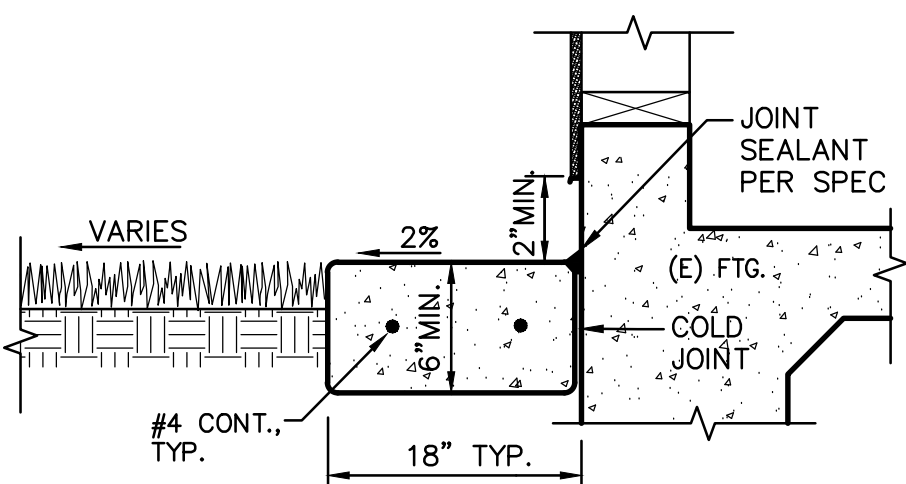
VERTICAL THRUST BLOCKS REQUIRED CONCRETE VOLUME, IN CU. FT.	INSTALLATION	FITTING TYPE	PIPE SIZES					
			4"	6"	8"	10"	12"	
90° ELBOW			1.3	2.6	4.5	6.8	9.6	
45° ELL			0.7	1.4	2.4	3.7	5.2	
22.5° ELL			0.3	0.7	1.2	1.9	2.6	
11.25° ELL			0.2	0.4	0.6	0.9	1.3	
REDUCER			0.7	0.7	1.2	1.8	2.6	

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

NOTES:

- THRUST BLOCKS ARE TO BE CONSTRUCTED OF 2500 PSI CONCRETE MIN.
- AREAS IN TABLE HAVE BEEN DERIVED USING A WATER PRESSURE OF 200 POUNDS PER SQUARE INCH (13.8 BARS) AND SOIL RESISTANCE OF 2000 POUNDS PER SQUARE FOOT (137.9 BARS).
- BLOCKING TO BE POURED AGAINST UNDISTURBED SOIL, 12 INCH THICK MINIMUM.
- THRUST BLOCKS ARE TO BE FREE, SEPARATE AND INDEPENDENT OF ADJACENT OR NEARBY THRUST BLOCKS.
- WRAP ALL FITTINGS BEFORE PLACING CONCRETE.

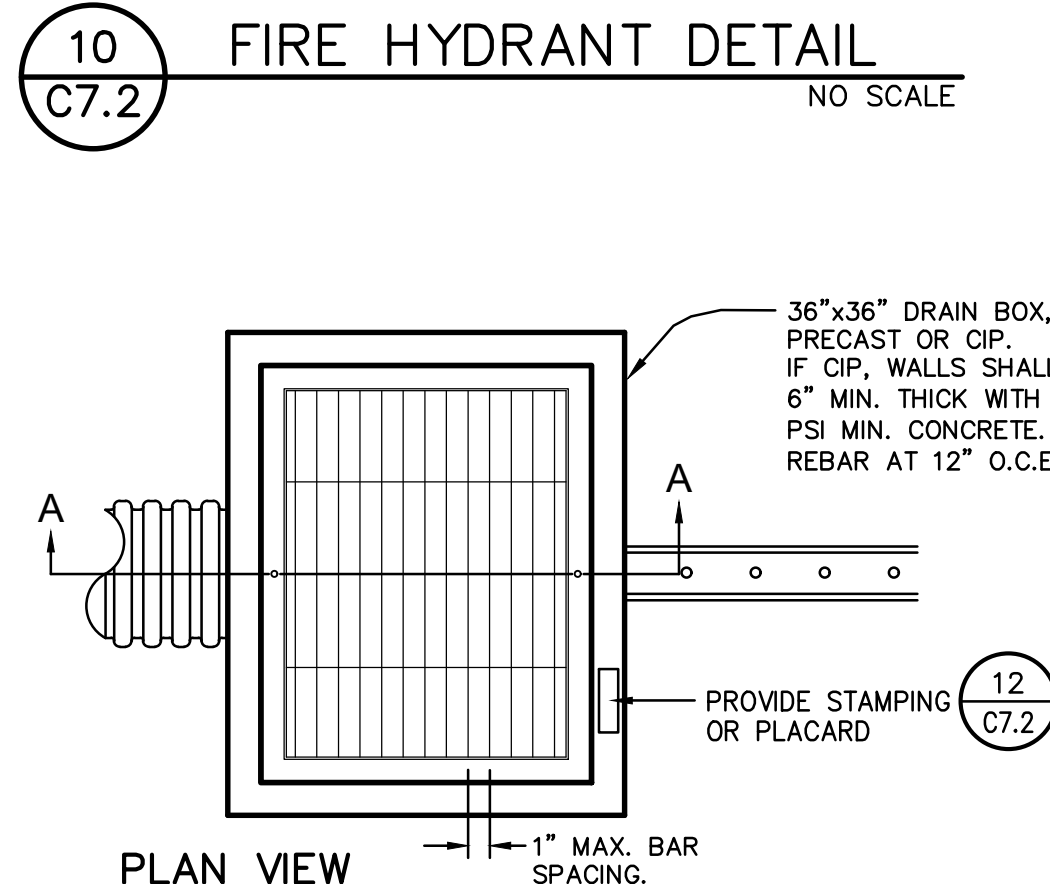
13
C7.2 **THRUST BLOCKS** NO SCALE



- FIRE HYDRANT. 4 1/2 INCH OUTLET SHALL FACE THE STREET. BOLTS ATTACHING FIRE HYDRANT TO BURY SECTION OR SPOOL SHALL BE OF THE BREAK-OFF TYPE, HEX HEAD, HEAVY AMERICAN STANDARD. HYDRANT SHALL BE LOCATED AT PROPERTY LINES, OUTSIDE OF CURB RETURN AREAS AND AT LEAST 3 FEET FROM DRIVEWAYS.
- BREAK OFF CHECK VALVE CLOW LBI 400A OR APPROVED EQUAL. BREAK-OFF GROOVE TO BE ABOVE CONCRETE. POLYWRAP SPOOL BELOW CONCRETE PAD.
- BURY SECTION. FLANGED X MECHANICAL JOINT. (USE RESTRAINING GLAND IF REQUIRED.) POLYWRAP.
- CLASS "A" (SIX SACK) CONCRETE THRUST BLOCK IF LATERAL HAS UNRESTRAINED JOINTS. (SEE DETAIL #W-5).
- 6" PVC C900 OR DUCTILE IRON C151. POLYWRAP DUCTILE IRON PIPE.
- 6" RESILIENT WEDGE GATE VALVE. FLANGED X MECHANICAL JOINT (USE RESTRAINING GLAND IF REQUIRED). POLYWRAP.
- TEE WITH FLANGED CONNECTION FOR VALVE. POLYWRAP.
- 8" PVC RISER. MUST BE PLUMB WITHIN 1 INCH.
- CHRISTY TYPE G-5 TRAFFIC BOX. LID SHALL READ "WATER".
- 4" MIN. THICKNESS CONCRETE PAD, 24"x24" SQUARE. CENTER FIRE HYDRANT IN PAD, SLOPE PAD TO MATCH SIDEWALK, CURB, OR FINISHED GRADE. (TYP. 2%)
- REFLECTIVE BLUE MARKER (TYPE DB). AT INTERSECTIONS, TWO MARKERS SHALL BE INSTALLED PERPENDICULAR TO FIRE HYDRANT ON EACH STREET AND 12 INCHES INSIDE OF CENTERLINE.
- TRACER WIRE.
- PROVIDE EXTENSION IF OPERATING NUT EXCEEDS MAXIMUM OF FOUR (4) FEET FROM FINISHED GRADE. EXTENSION SHALL INCLUDE A STEADYING PLATE.
- CONCRETE COLLAR WITH LAMP BLACK FINISH.

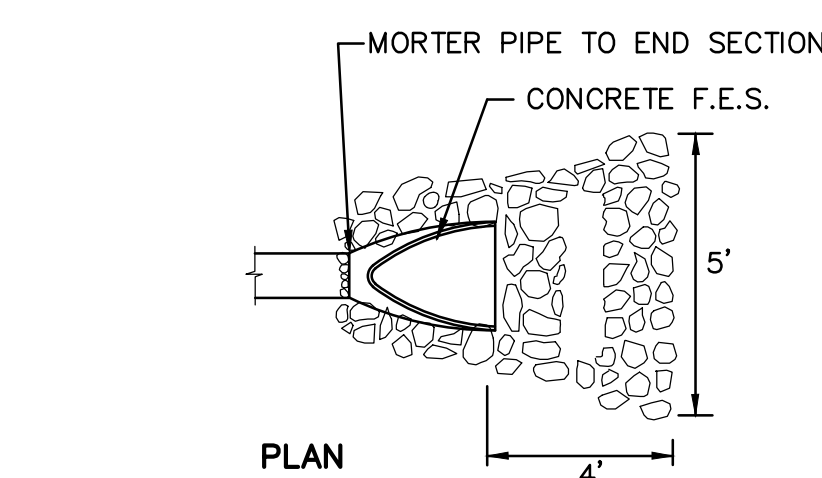
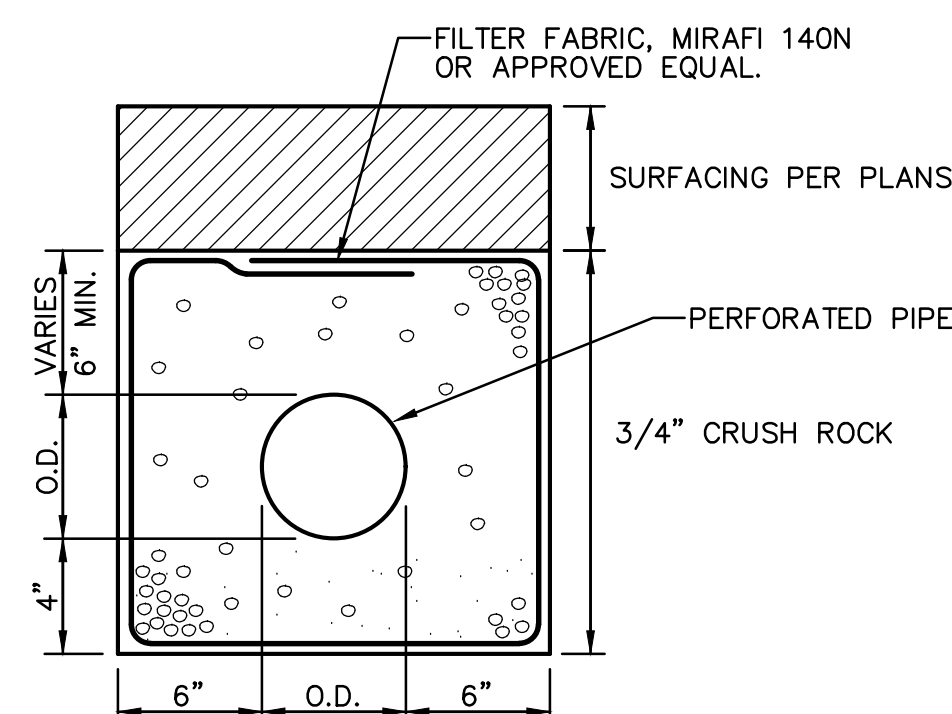
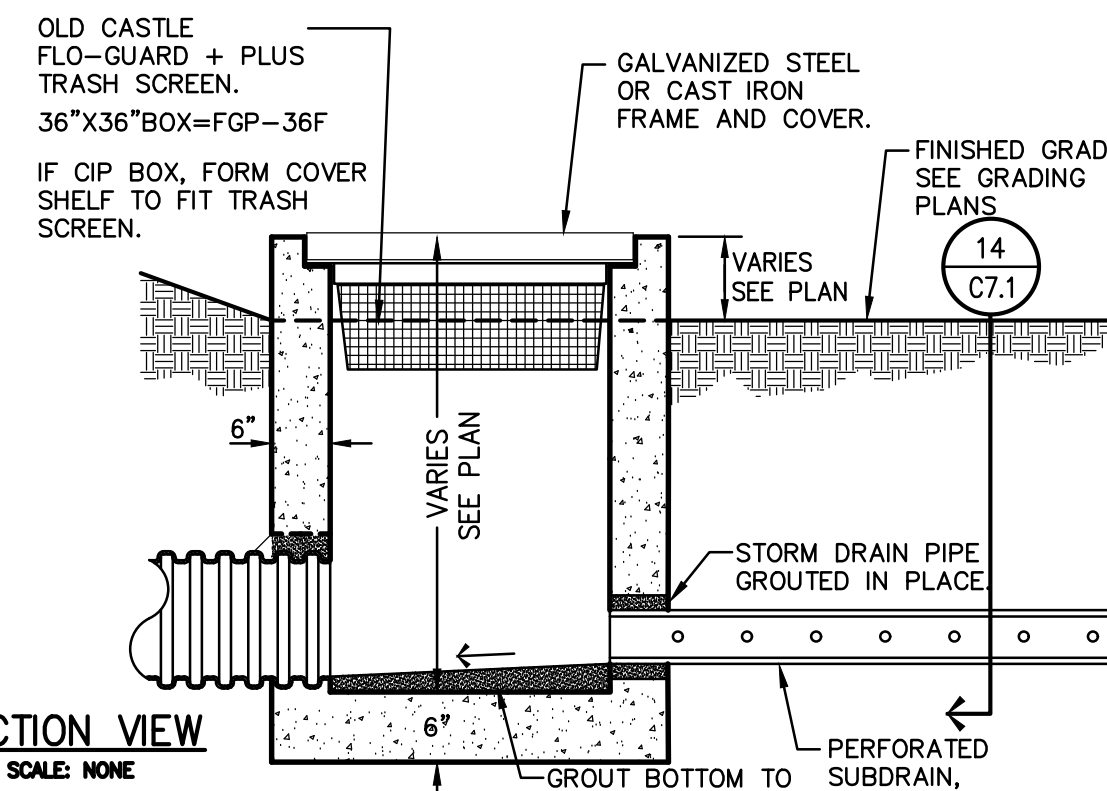
NOTES:

- ALL NUTS, BOLTS, AND WASHERS ON FLANGED FITTINGS SHALL BE STAINLESS STEEL. PIPE AND FITTINGS SHALL BE WRAPPED AND BEDDED IN SAND.
- WHERE NO R/W OR EASEMENT EXIST BEHIND NEW OR EXISTING SIDEWALK INSTALL CENTER OF FIRE HYDRANT 18" BEHIND FACE OF CURB.
- CONCRETE SHALL BE CLASS "A".
- FIRE HYDRANT SHALL BE SPRAY PAINTED AS PER SPECS.
- LOWEST OUTLET OF FIRE HYDRANT SHALL HAVE A MIN. OF 20" CLEARANCE TO ADJACENT CONCRETE SURFACE.



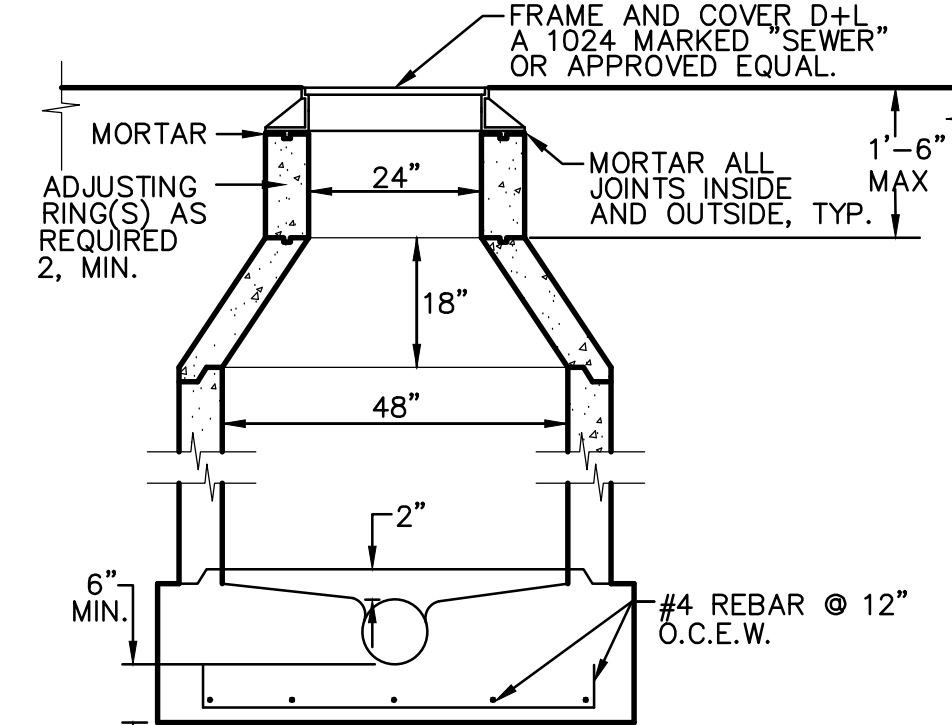
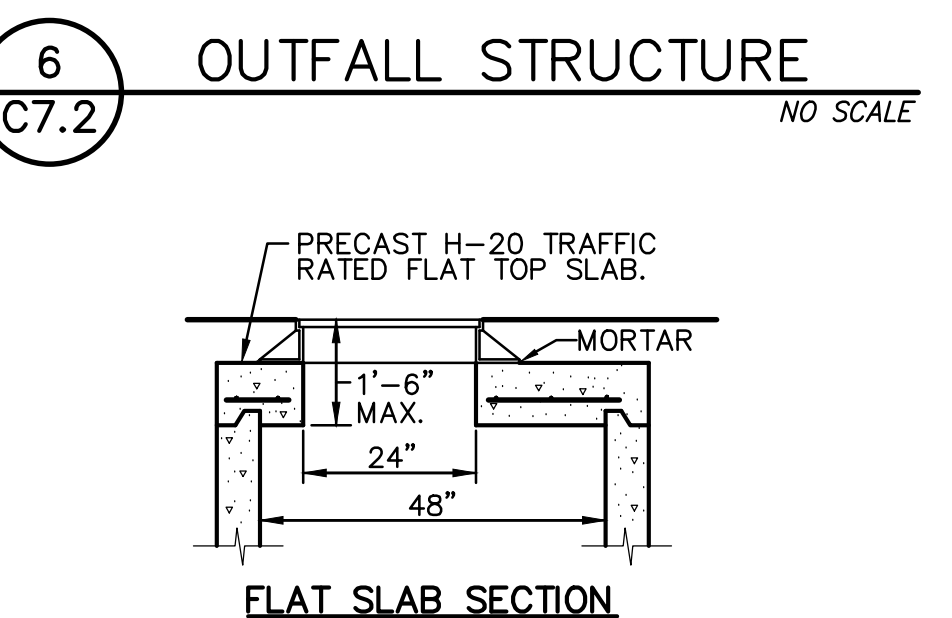
PLAN VIEW

SCALE: NONE

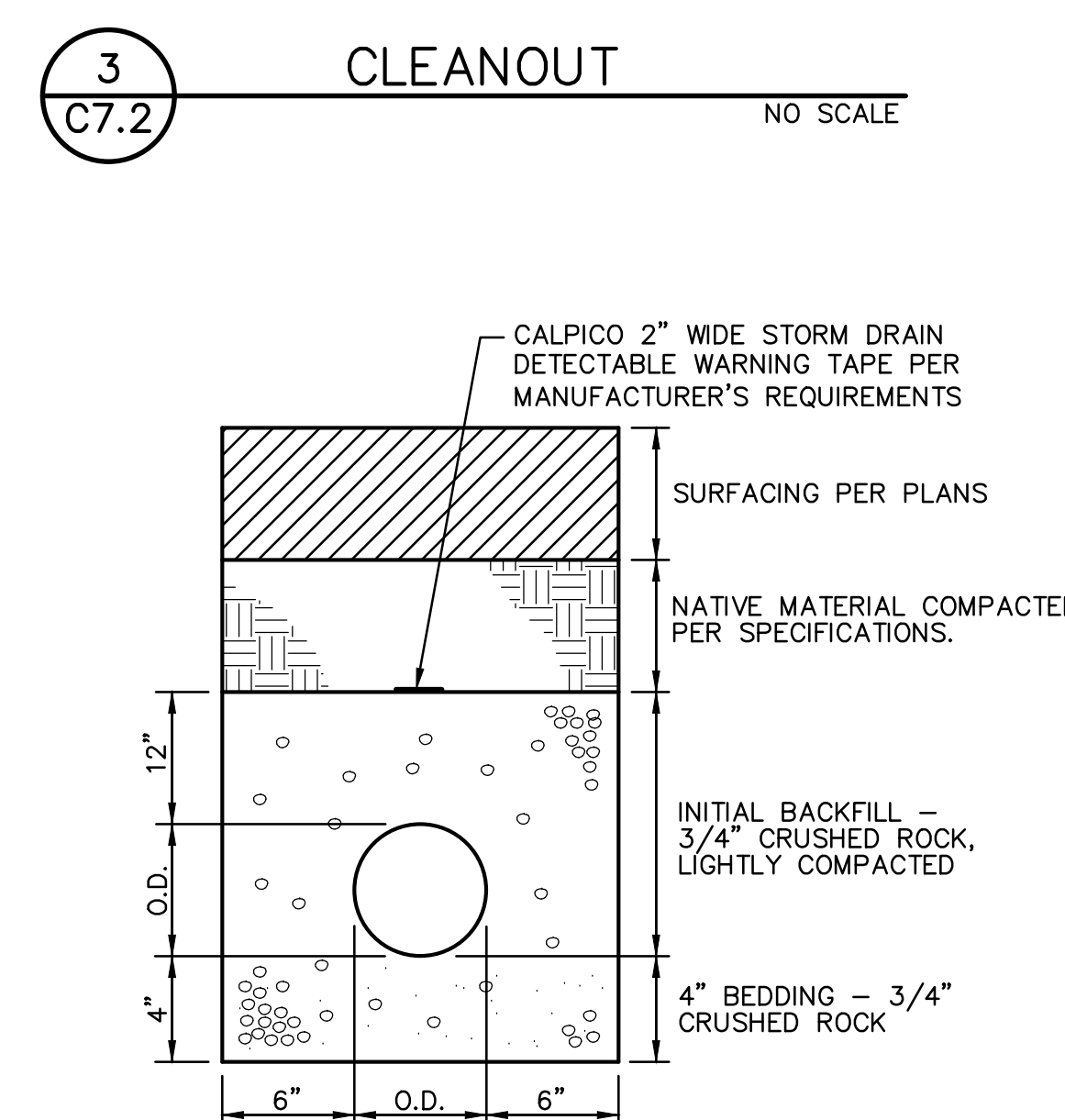
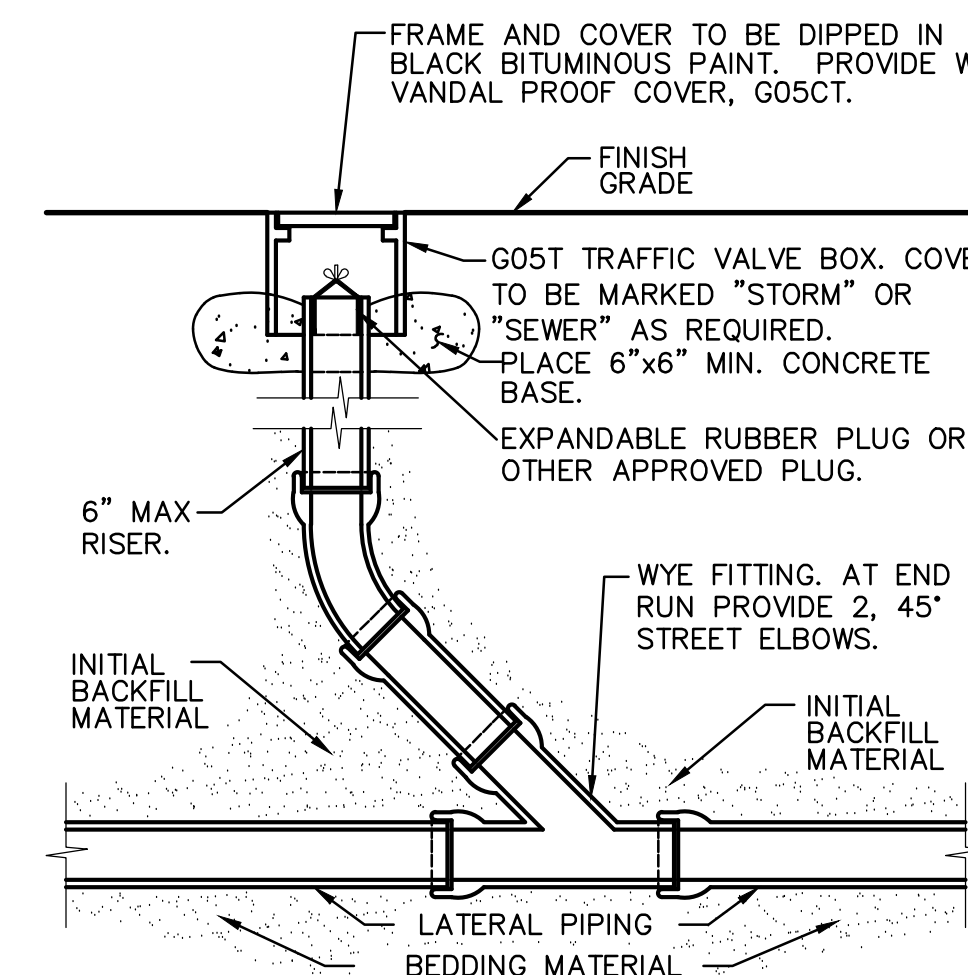
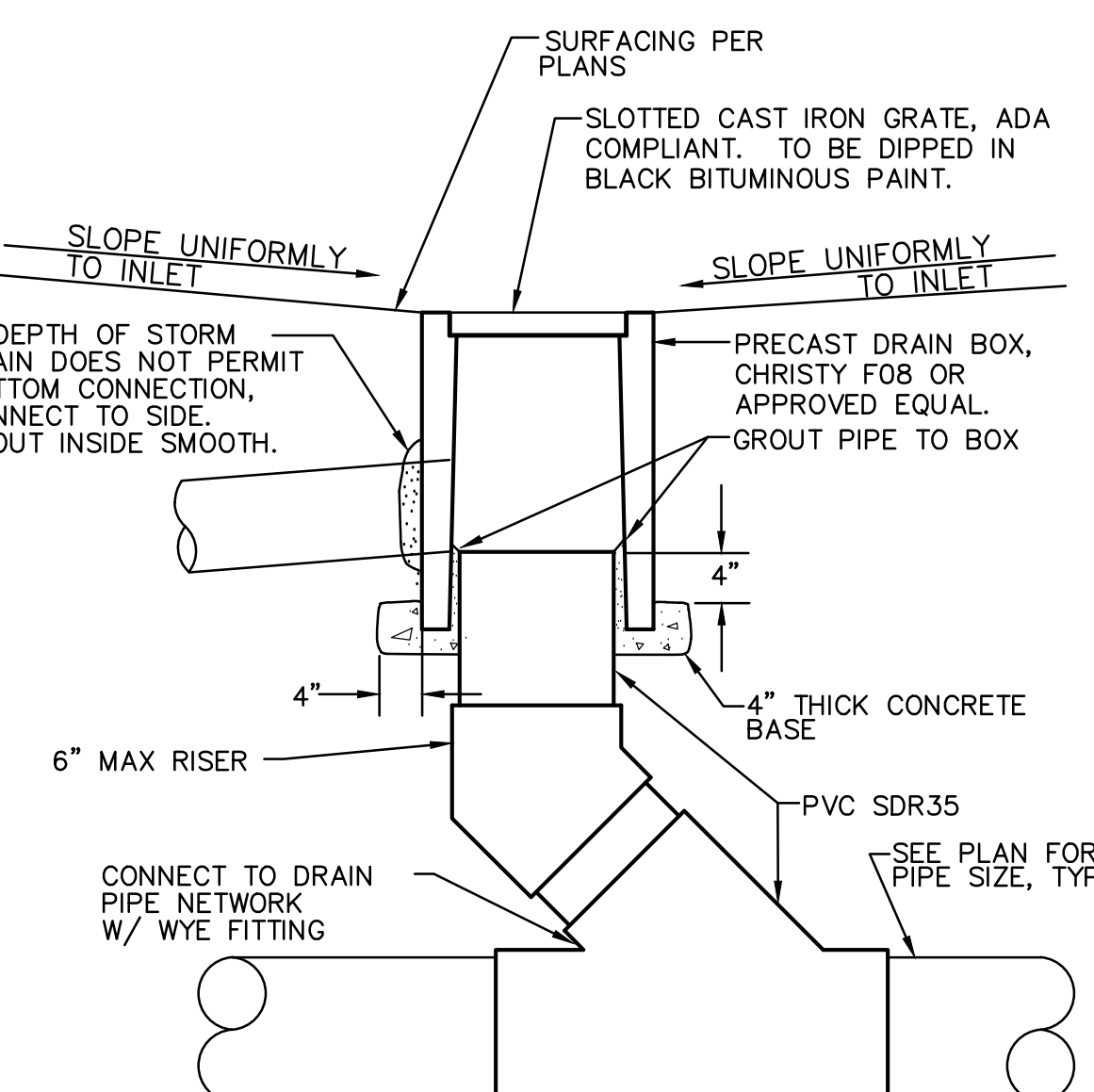
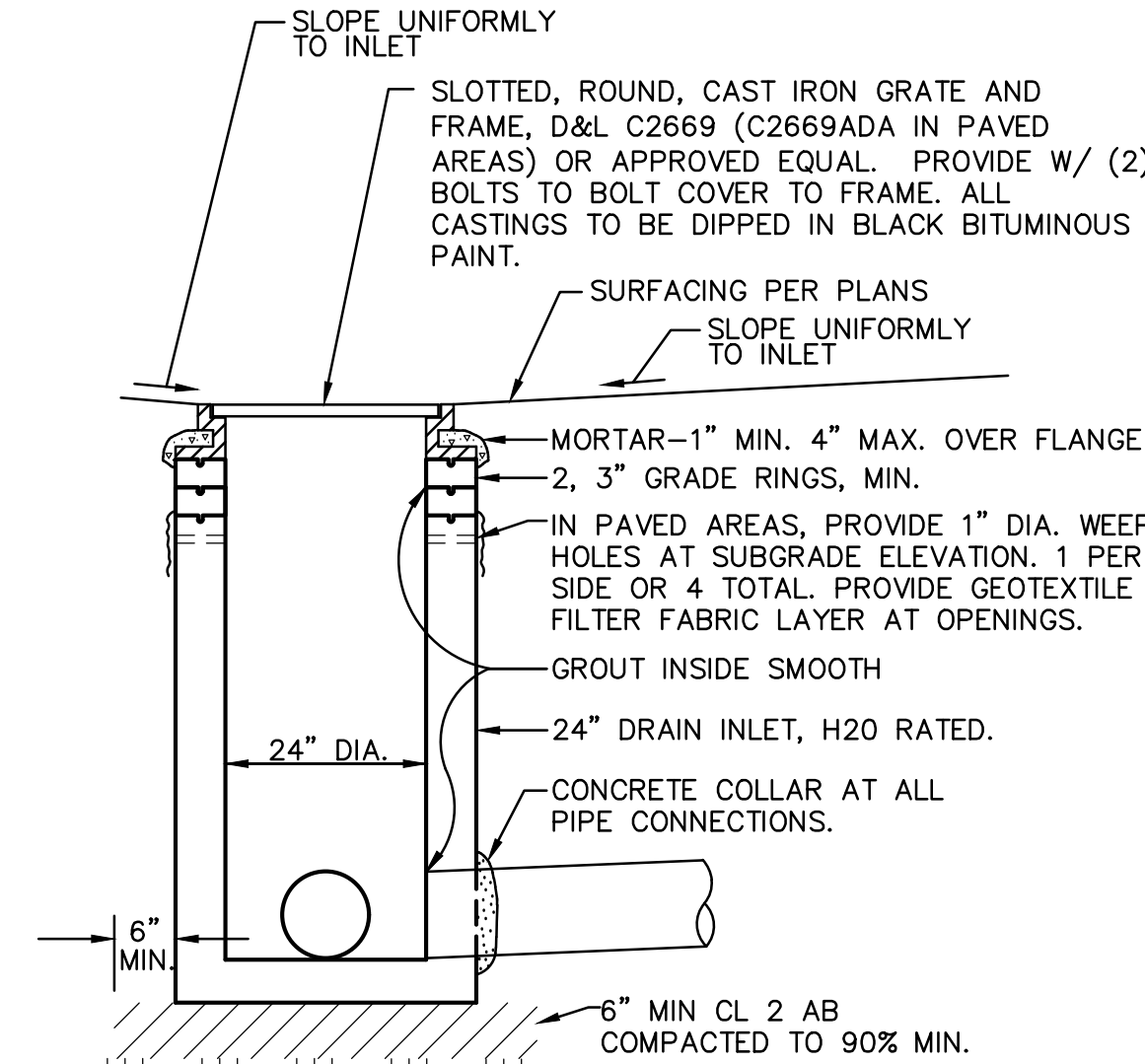
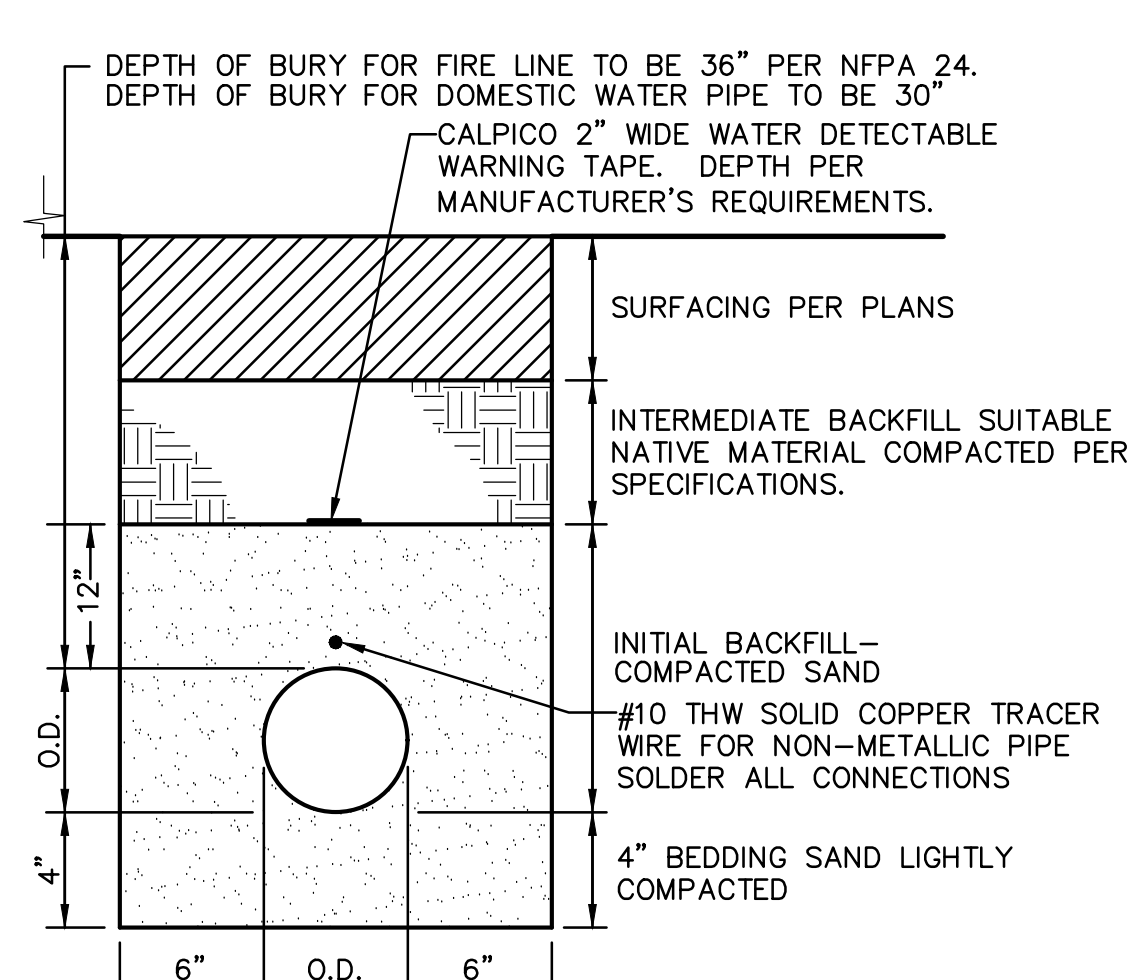


NOTES:

- HAND PLACE ROCK.
- ALL ROCK SHALL BE ANGULAR AND HAVE TWO FACES.
- WHERE SLOPES OF OUTLET EXCEED 8%, A SEDIMENT BOWL OR ENERGY DISSIPATER SHALL BE REQUIRED.



- RISER SECTIONS, CONES, AND ADJUSTING RING SHALL CONFORM TO ASTM DESIGNATION C-478.
- FRAME SHALL BE SECURED TO RISER OR FLAT SLAB TOP WITH CEMENT MORTAR.
- CONCRETE BASE MAY BE CAST-IN-PLACE AND POURED AGAINST UNDISTURBED MATERIAL OR PRE-CAST CONCRETE BASE ON 4" MIN. 3/4" CRUSHED ROCK PLACED ON UNDISTURBED MATERIAL.
- ALL JOINTS SHALL BE SEALED WITH GROUT AND INSIDE OF MANHOLE SHALL BE GROUTED SMOOTH.
- FLEXIBLE CONNECTORS SHALL BE INSTALLED ON BOTH INFLOW AND OUTFLOW PIPES PER CA. PLUMBING CODE 719.6.
- FLAT SLAB SHALL BE USED WHEN DEPTH DOES NOT PERMIT. USE OF TAPER UNIT. FLAT SLAB SHALL BE TRAFFIC RATED.



AGENCY APPROVAL DSA APP NO. 02-123892

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