

WEST JORDAN HIGH SCHOOL PARKING LOT
ADDITION

WEST JORDAN HIGH SCHOOL PARKING LOT ADDITION

8166 SOUTH 2700 WEST
WEST JORDAN, UTAH

DRAWING ISSUE
ISSUE DATE
03-03-2025

CONSTRUCTION DOCUMENTS
NWL PROJECT
136.021

△ DATE REVISION

CONSTRUCTION DOCUMENTS

COVER

G000

SHEET INDEX	
SHEET NUMBER	SHEET NAME
GENERAL INFORMATION	
G000	COVER
GENERAL INFORMATION: 1	
CIVIL	
CS100	EXISTING CONDITIONS AND DEMOLITION PLAN
CP101	SITE PLAN
CG101	GRADING PLAN
CP501	SITE DETAILS
CP502	SITE DETAILS
CP503	BASIN DETAILS
CP504	BASIN DETAILS
CP505	BASIN DETAILS
CP506	BASIN DETAILS
CIVIL: 9	
LANDSCAPE	
L101	PLANTING PLAN
L102	PLANTING PLAN GRAPHICS
L201	IRRIGATION PLAN
L501	IRRIGATION & PLANNING DETAILS
L502	EXISTING IRRIGATION PLAN FOR REFERENCE
LANDSCAPE: 5	
ELECTRICAL	
E001	ELECTRICAL SYMBOLS, SCHEDULES, NOTES
E002	ELECTRICAL DIAGRAMS
E101	ELECTRICAL SITE PLAN
ELECTRICAL: 3	

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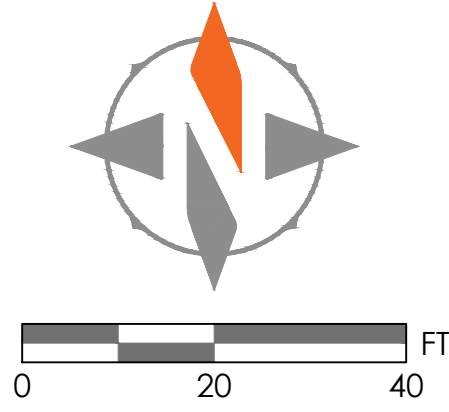
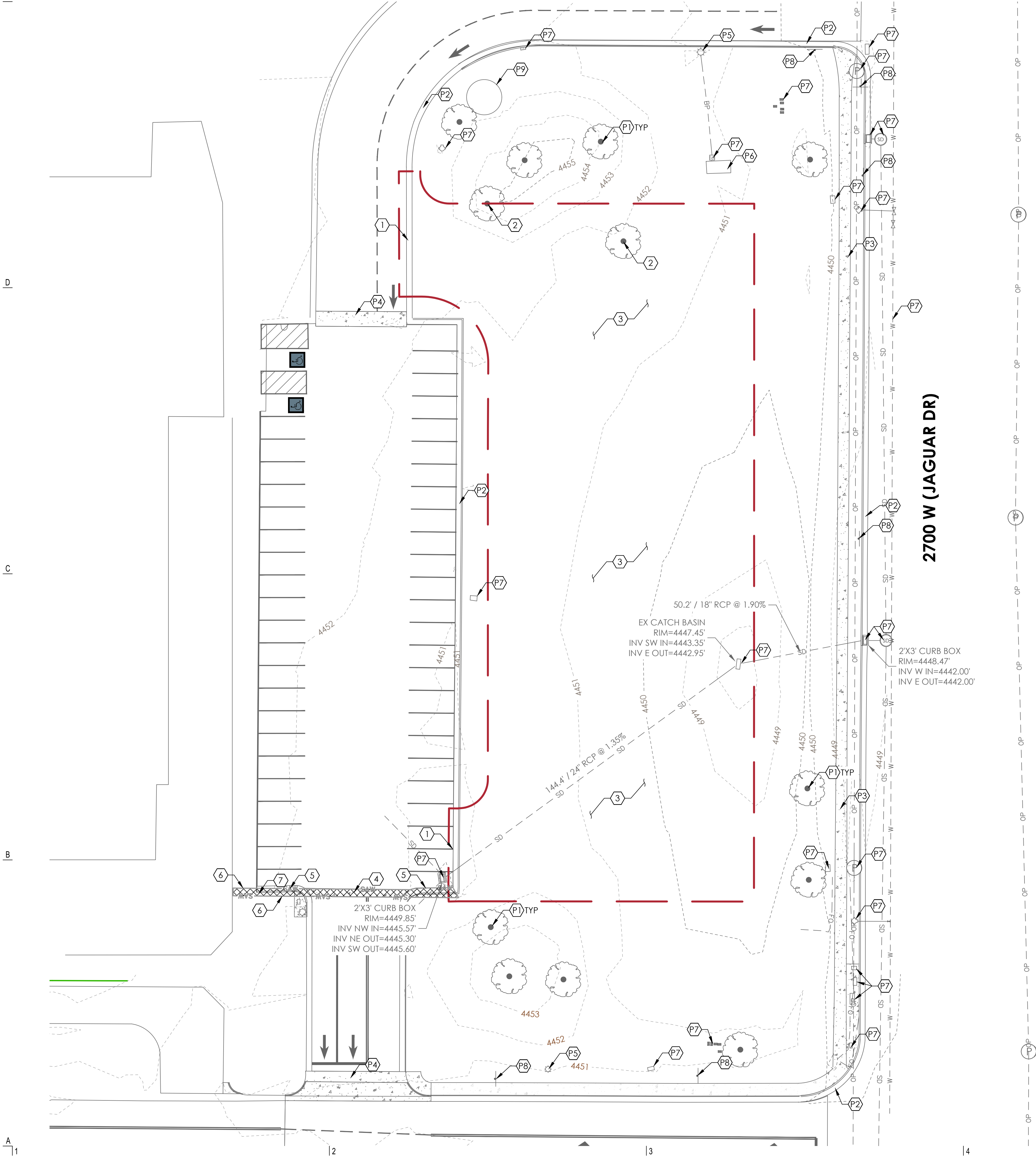
LANDSCAPE

PRIME LANDSCAPE
ARCHITECTURE

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801.528.2856

Dustin Hislop

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EXISTING CONDITIONS LEGEND

	SECTION CORNER, REBAR AND CONTROL POINT
	TREE
	POWER, LIGHT POLE AND SIGNAL
	COMMUNICATIONS UTILITY
	ELECTRICAL UTILITY
	IRRIGATION VALVE BOX
	CULINARY WATER METER
	CULINARY HYDRANT, BUTTERFLY VALVE, GATE VALVE, AND GENERIC VALVE
	IRRIGATION BUTTERFLY VALVE, GATE VALVE, AND GENERIC VALVE
	UTILITY MANHOLE
	CURB, JUNCTION AND COMBO BOX
	CURB AND GUTTER
	EDGE OF ASPHALT
	SS ——— SANITARY SEWER
	SD ——— STORM DRAIN
	W ——— CULINARY WATER
	IR ——— IRRIGATION
	G ——— GAS
	BP ——— BURIED POWER
	OP ——— OVERHEAD POWER
	FO ——— FIBER OPTIC
	CM ——— COMMUNICATIONS
	PROPERTY LINES
	CONSTRUCTION EXTENT
	4450 ——— MAJOR CONTOUR
	4449 ——— MINOR CONTOUR
	SAW ——— SAWCUT
	DEMOLISH EXISTING ASPHALT/CONCRETE

DEMOLITION KEYED NOTES

- (P1) PROTECT IN PLACE EXISTING TREE UNLESS OTHERWISE SHOWN.
- (P2) PROTECT IN PLACE EXISTING CURB & GUTTER
- (P3) PROTECT IN PLACE EXISTING SIDEWALK/CONCRETE
- (P4) PROTECT IN PLACE EXISTING CONCRETE WATERWAY
- (P5) PROTECT IN PLACE EXISTING LIGHT POLE AND FOUNDATION
- (P6) PROTECT IN PLACE EXISTING MARQUEE
- (P7) PROTECT IN PLACE EXISTING UTILITY
- (P8) PROTECT IN PLACE EXISTING TRAFFIC REGULATORY SIGNS
- (P9) PROTECT IN PLACE MEMORIAL GARDEN AND APPURTENANCES
- 1 SAWCUT ASPHALT FULL DEPTH AND REMOVE EXISTING CURB & GUTTER FOR NEW PAVEMENT ACCESS.
- 2 REMOVE EXISTING TREE
- 3 REMOVE AND DISPOSE OF EXISTING SOD AND TOPSOIL. SEE LANDSCAPE PLANS.
- 4 SAWCUT FULL DEPTH TO REMOVE EXISTING WATERWAY AND INSTALL COMMUNICATIONS LINE.
- 5 SAWCUT ASPHALT TO FULL DEPTH AND REMOVE EXISTING CURB & GUTTER TO INSTALL COMMUNICATIONS LINE.
- 6 SAWCUT CONCRETE TO FULL DEPTH. VERIFY CONCRETE REMOVAL WITH ELECTRICAL ENGINEER PLANS.
- 7 REMOVE AND DISPOSE OF EXISTING CONCRETE. VERIFY CONCRETE REMOVAL WITH ELECTRICAL ENGINEER PLANS.

SHEET NOTES

- THE ENGINEER HAS MADE AN EXTENSIVE EFFORT TO LOCATE ALL EXISTING UTILITY LINES FROM RECORDS PROVIDED BY OTHERS AND EVIDENCE IN THE FIELD. CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS PRIOR TO COMMENCING WORK.
- 1. PROTECT IN PLACE ALL EXISTING UTILITIES UNLESS OTHERWISE NOTED.

10:50 AM MONDAY 03 MARCH 2025 | H:\PROJECTS\2025\UT-10692-25 NWL - JSD WJHS PORTABLE PAVEMENT\PROJECT DATA\02 CAD\203 SHEET FILES\CONSTRUCTION DRAWINGS\CG101 GRADING PLAN.DWG

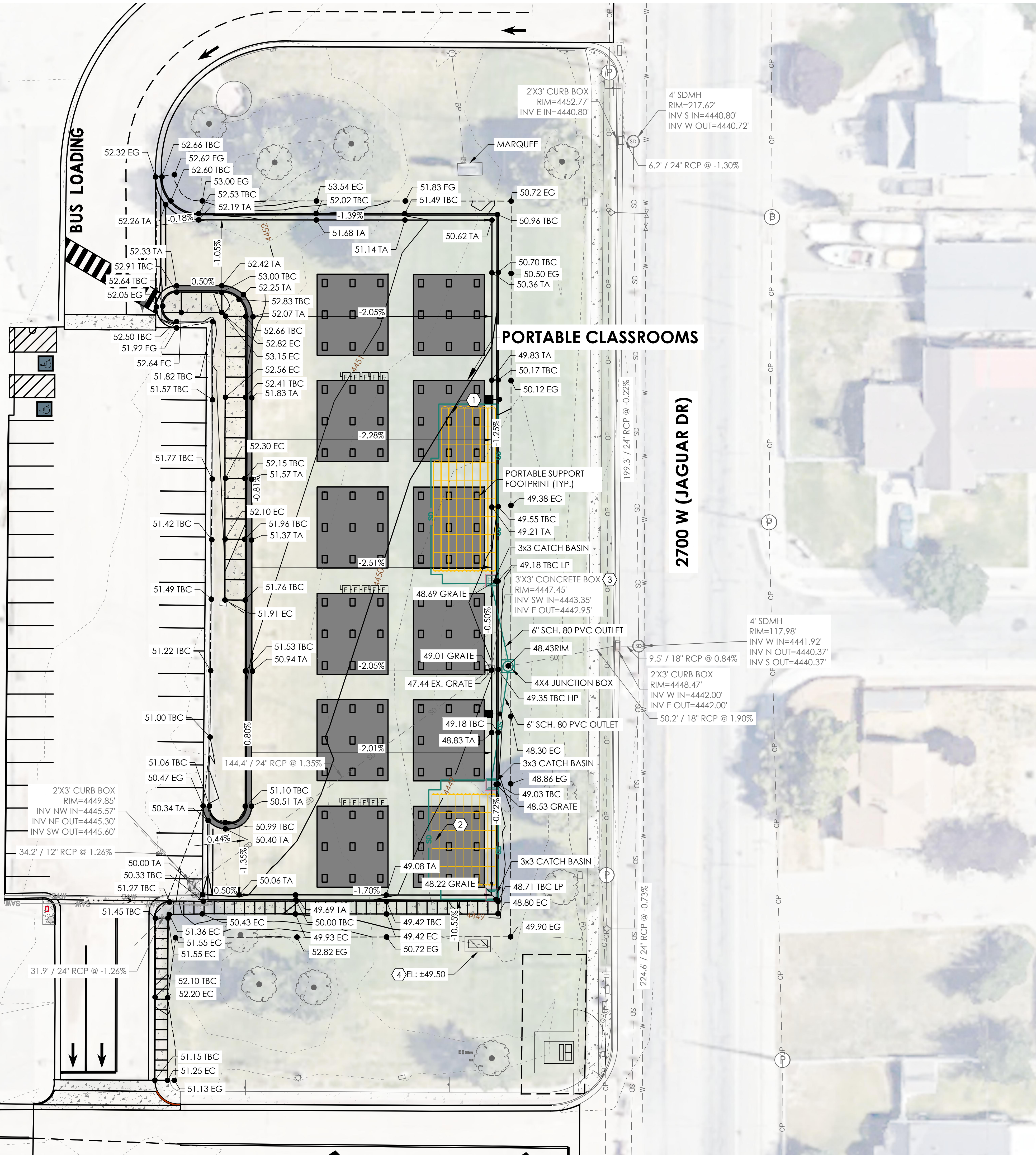
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WEST JORDAN
HIGH SCHOOL



0 20 40
FT

GRADING PLAN LEGEND

XXX.XX	SPOT ELEVATION
X.XX%	SLOPE OF FINISH GRADE
	COLLECTING GUTTER
	SHEDDING GUTTER
	GRADE BREAK
	4200- EX. MAJOR CONTOUR
	4201- EX. MINOR CONTOUR
	4200- MAJOR CONTOUR
	4201- MINOR CONTOUR
	PROPERTY BOUNDARY
	SUBDIVISION BOUNDARY
	EASEMENT

ABBREVIATIONS

EC	EDGE OF CONCRETE
EG	EXISTING GRADE
FFE	FINISH FLOOR ELEV
FG	FINISH GRADE
FL	FLOW LINE
TBC	TOP BACK OF CURB
TC	TOP OF CONCRETE
TA	TOP OF ASPHALT
HP	HIGH POINT
LP	LOW POINT

EARTHWORK QUANTITIES

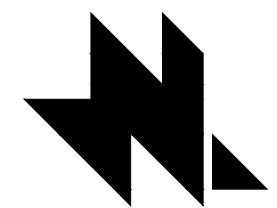
FINISH GRADE SURFACE AREA	0.71 ACRES
SURFACE CUT	691 CY
SURFACE FILL	37.38 CY
NET FILL/CUT	653.62 CY

KEYED NOTES

- UNDERGROUND DETENTION BASIN #1. REQUIRED VOLUME: 2,281 CU. FT. APPROXIMATE DIMENSIONS UNDERGROUND STORM WATER DETENTION BASIN PER DETAIL SHEET CP503-505.
- UNDERGROUND DETENTION BASIN #2. REQUIRED VOLUME: 1,527 CU. FT. APPROXIMATE DIMENSIONS UNDERGROUND STORM WATER DETENTION BASIN PER DETAIL SHEET CP503-504 AND CP506.
- RAISE EXISTING CATCH BASIN TO MATCH FINISH PAVEMENT GRADE.
- PROVIDE SUITABLE GRADES AWAY FROM ELECTRICAL SWITCH GEAR PAD.

SHEET NOTES

- THE ENGINEER HAS MADE AN EXTENSIVE EFFORT TO LOCATE ALL EXISTING UTILITY LINES FROM RECORDS PROVIDED BY OTHERS AND EVIDENCE IN THE FIELD. CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS PRIOR TO COMMENCING WORK.
- ADD 4400' TO FINISH GRADE ELEVATIONS SHOWN TO OBTAIN ACTUAL FINISH GRADE ELEVATION.



naylor wentworth lund
architects



JORDAN
SCHOOL DISTRICT
7905 South Redwood Road
West Jordan, Utah 84088

Horrocks.

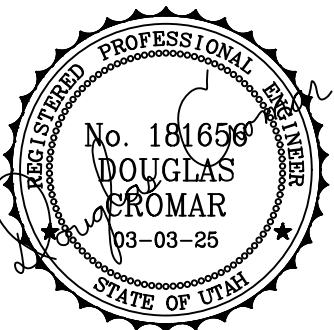
WEST JORDAN HIGH SCHOOL PARKING LOT ADDITION

8136 SOUTH 2700 WEST
WEST JORDAN, UTAH

CONSTRUCTION DOCUMENTS

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2025-03-03

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DATE REVISION

GRADING PLAN

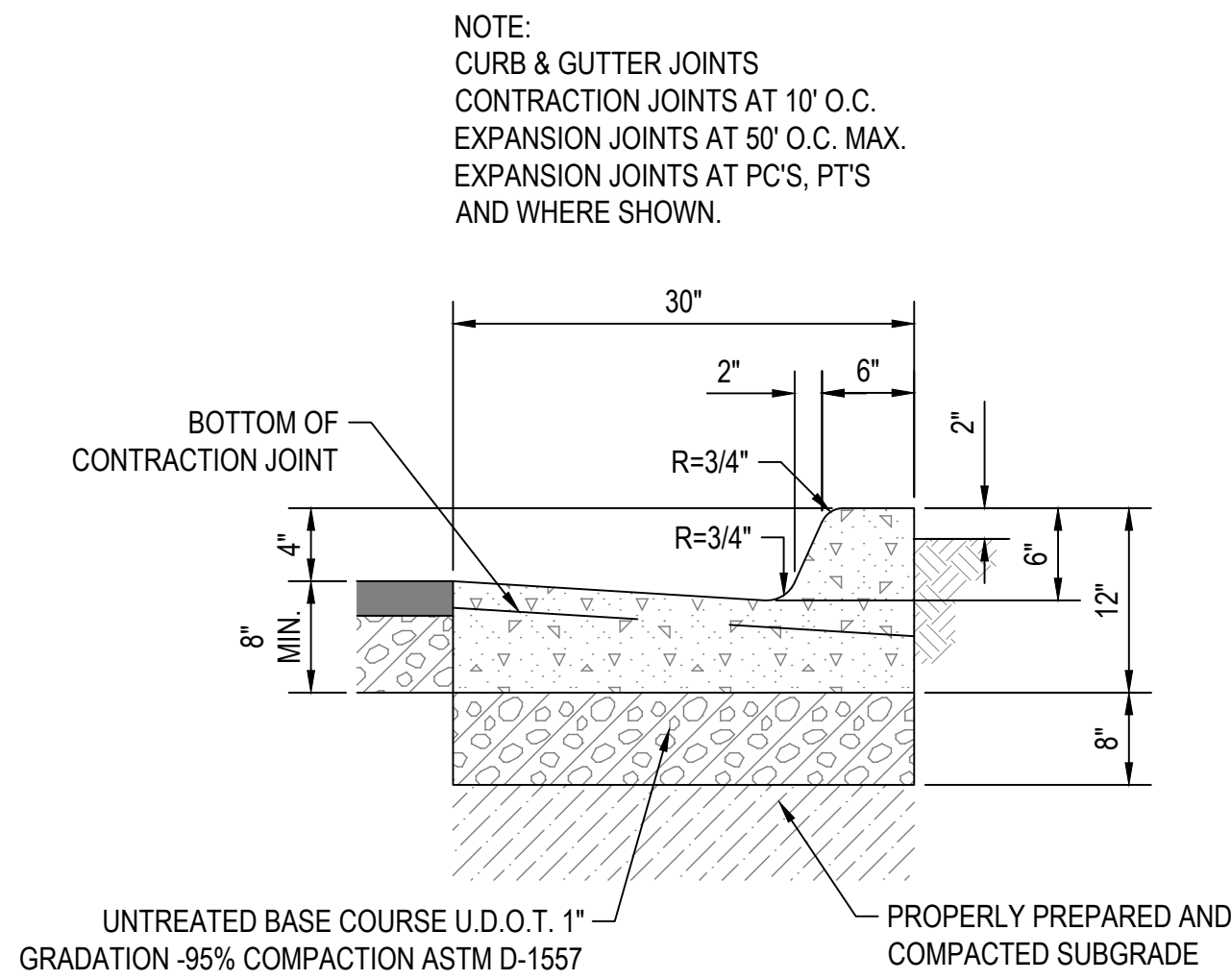
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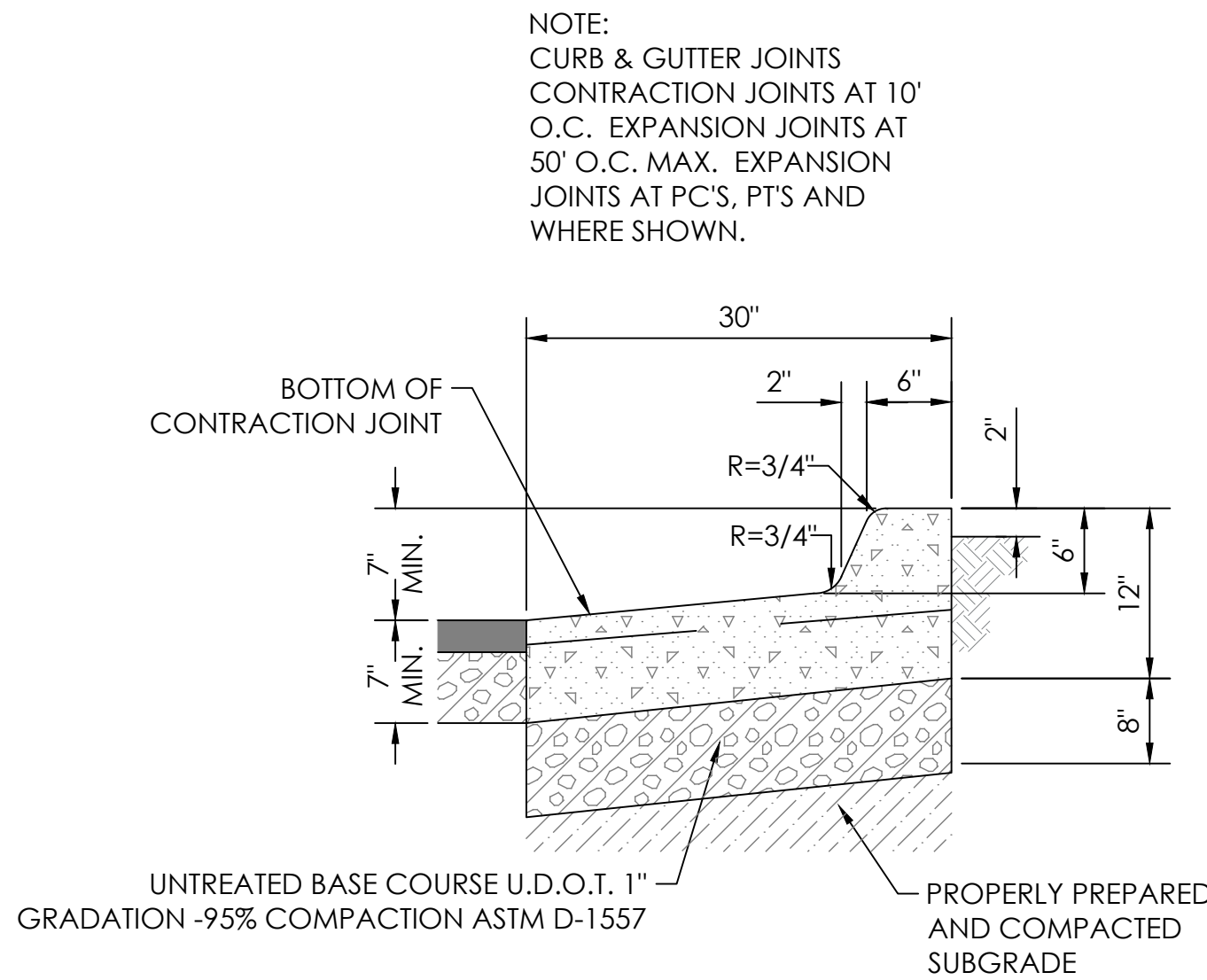
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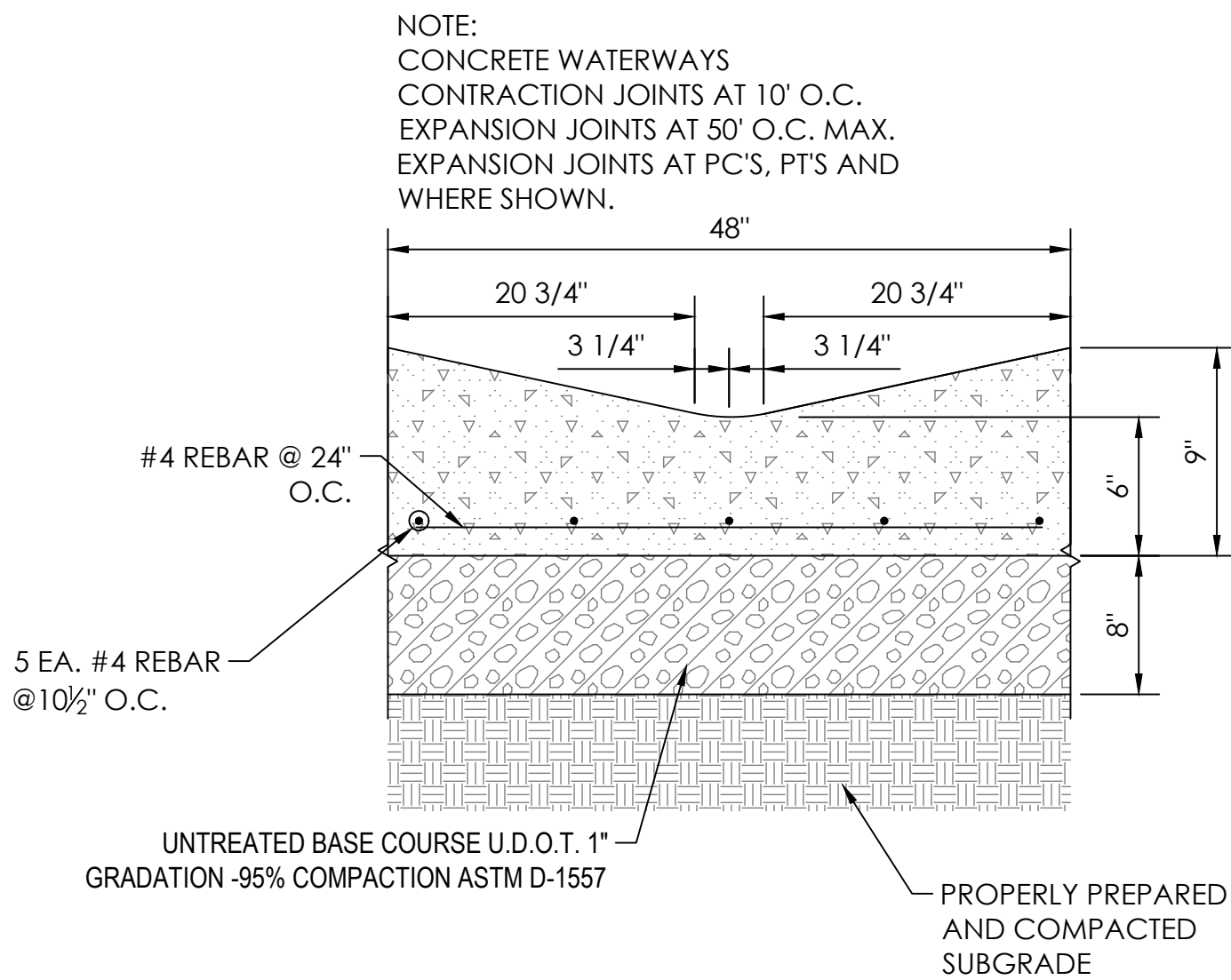
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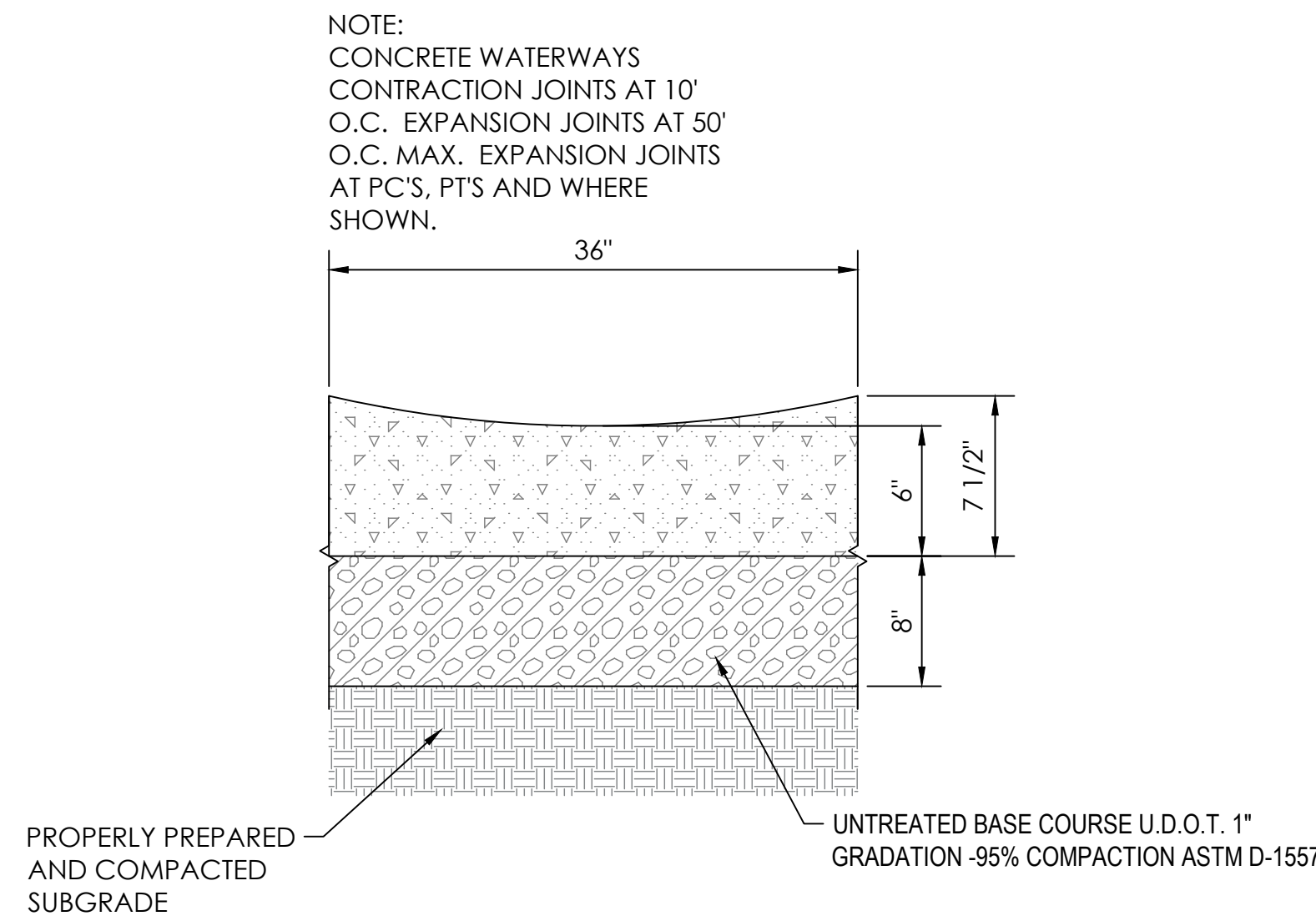
1 **TYPE "A" CURB & GUTTER**
NOT TO SCALE



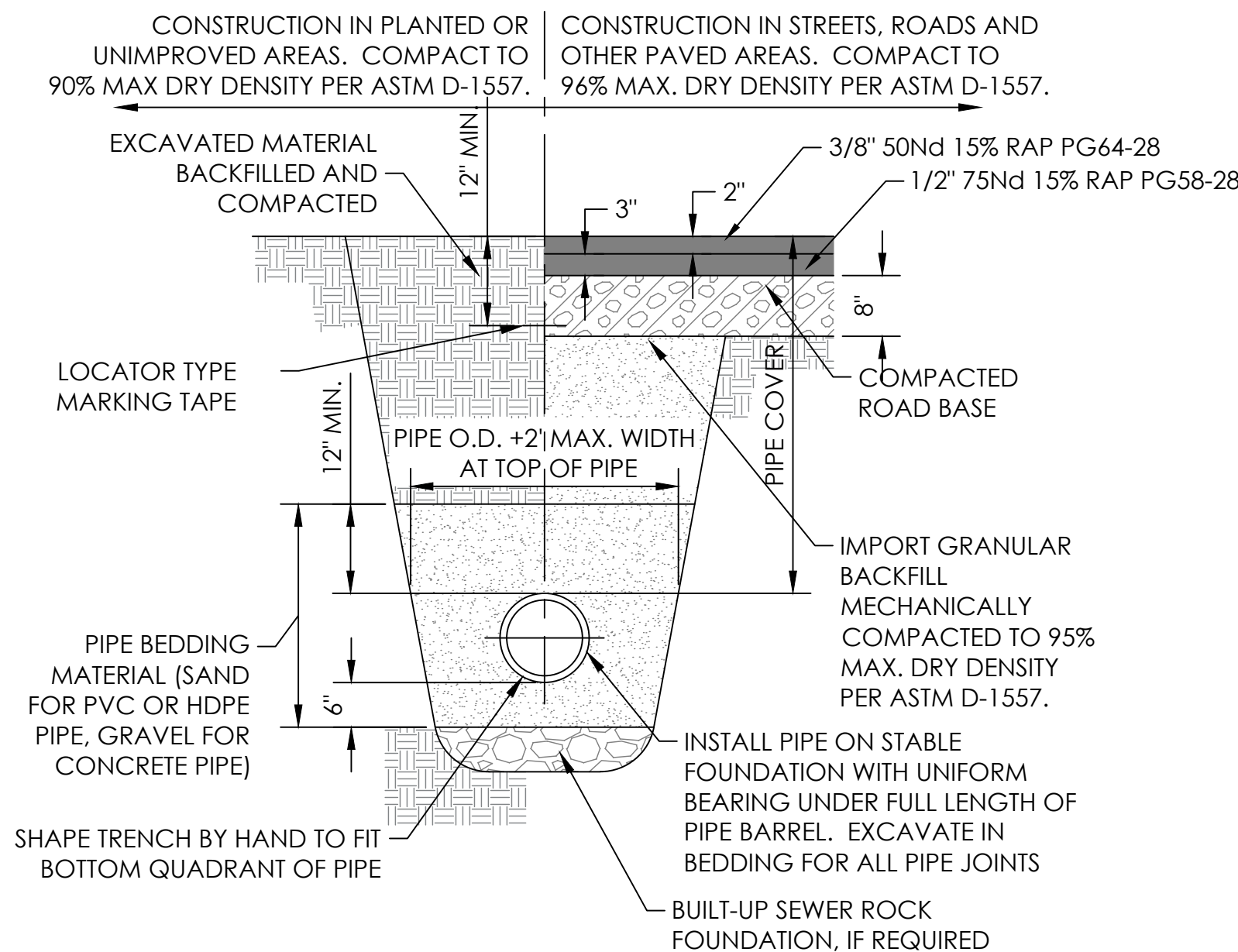
2 **TYPE "B" CURB & GUTTER**
NOT TO SCALE



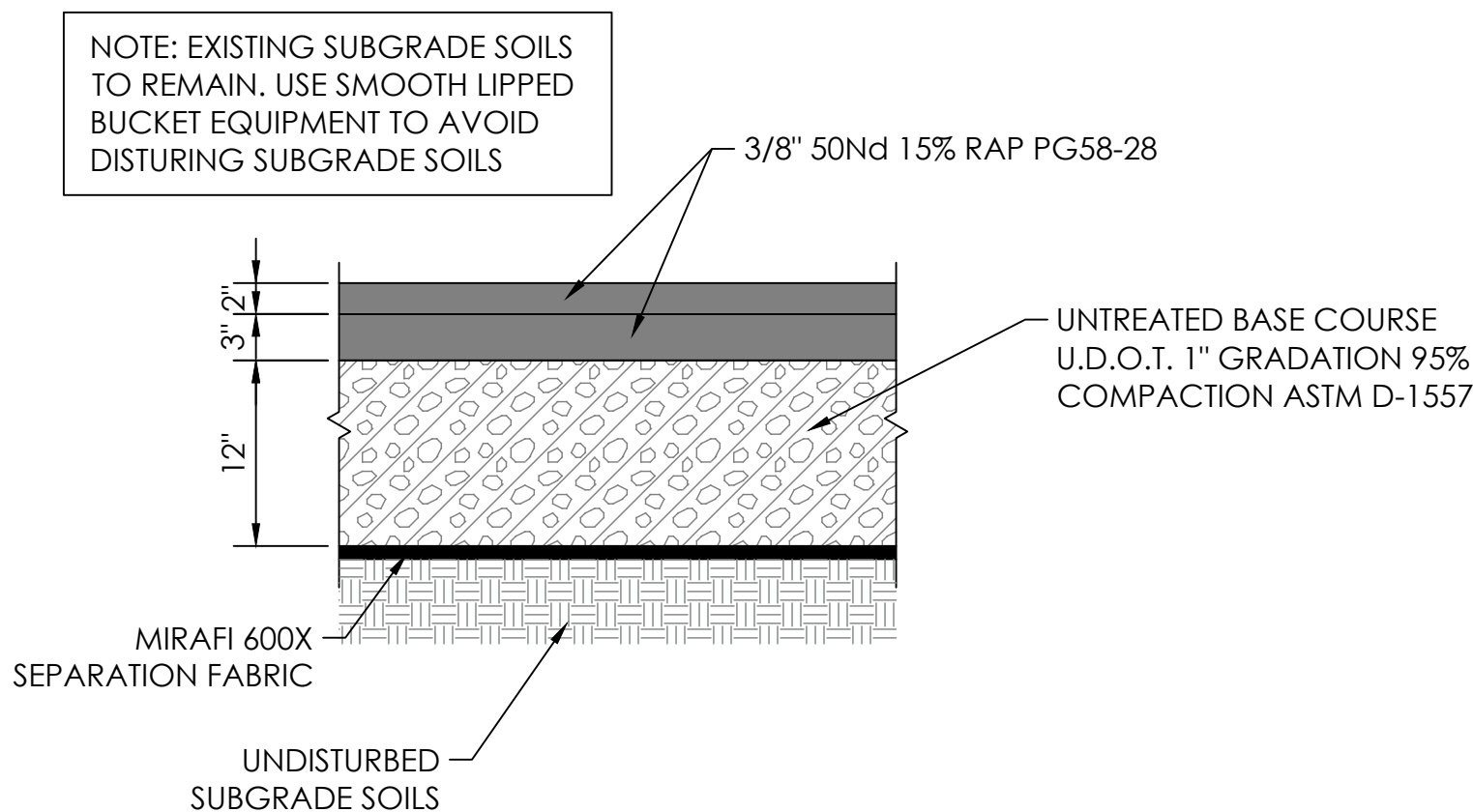
4 **48" CONCRETE WATERWAY**
NOT TO SCALE



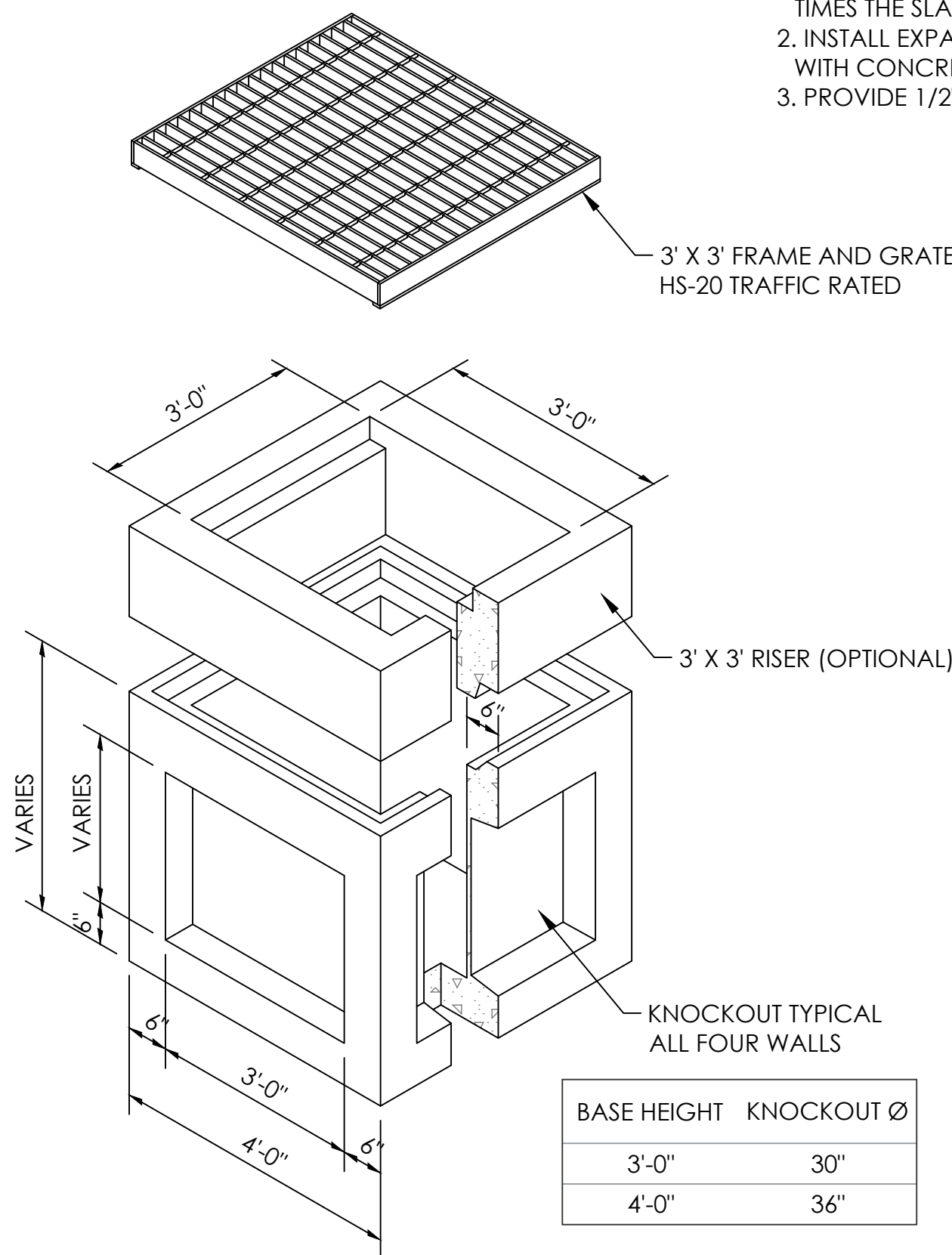
5 **36" CONCRETE WATERWAY**
NOT TO SCALE



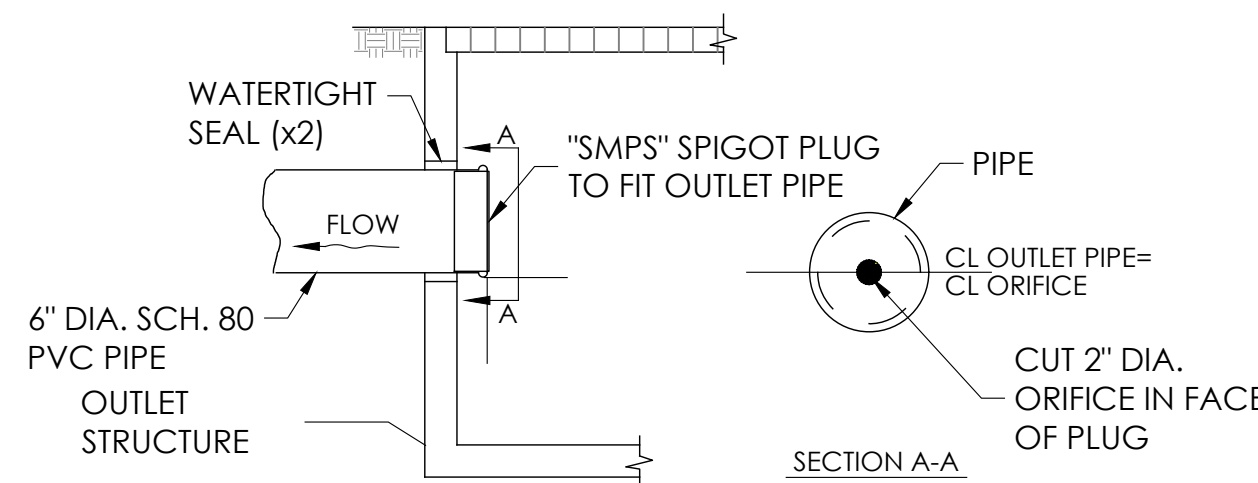
6 **TYPICAL STORM DRAIN TRENCH DETAIL**
NOT TO SCALE



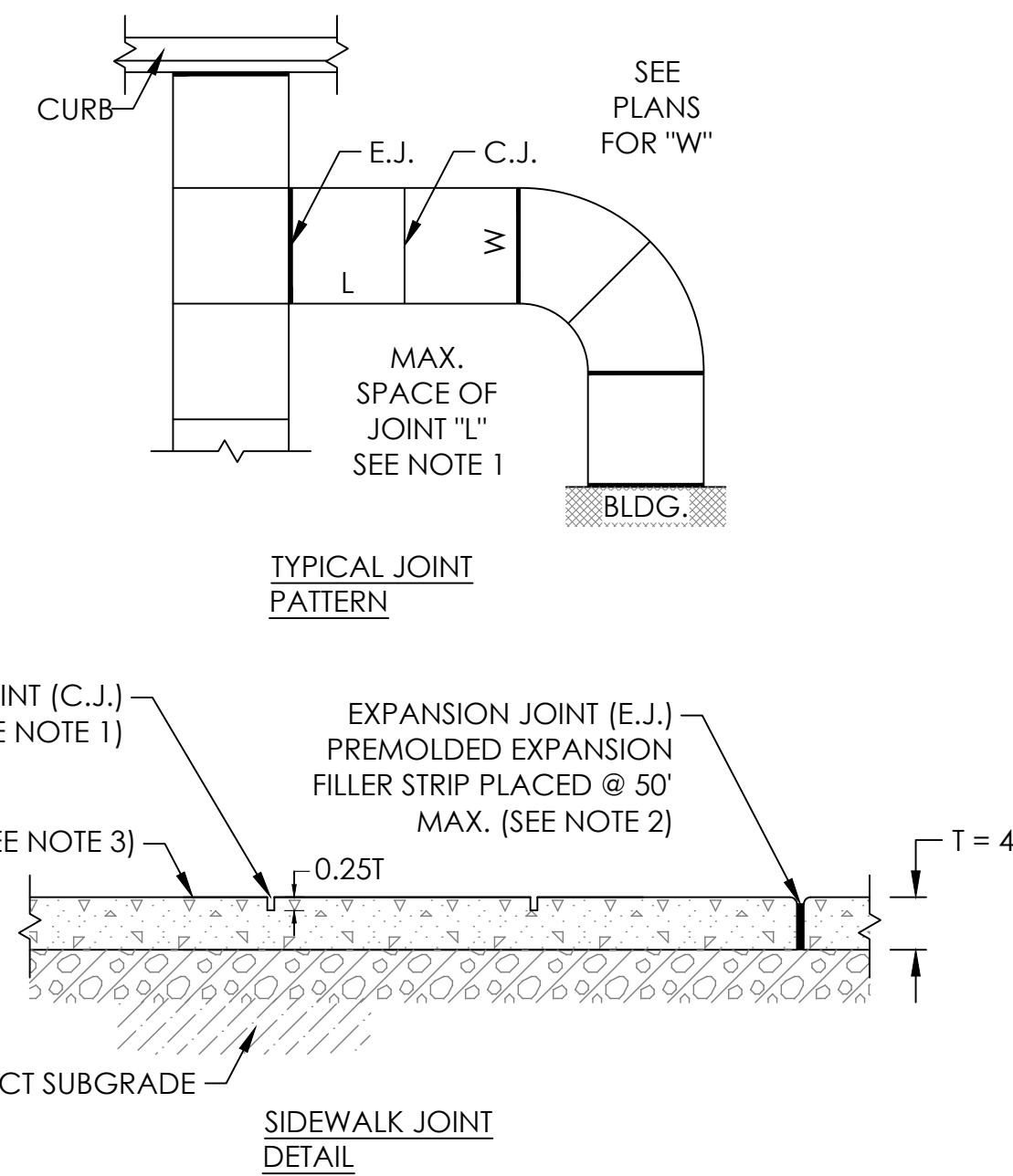
7 **BASE BID ASPHALT SECTION**
NOT TO SCALE
REFER TO DETAIL 1/CP502 FOR OPTIONAL
ASPHALT PAVEMENT DETAIL FOR SOFT AND
YIELDING SOIL CONDITIONS. NOTIFY ENGINEER
AND DISTRICT WHEN/IF ENCOUNTERED.



8 **3' X 3' CONCRETE CATCH BASIN DETAIL**
NOT TO SCALE

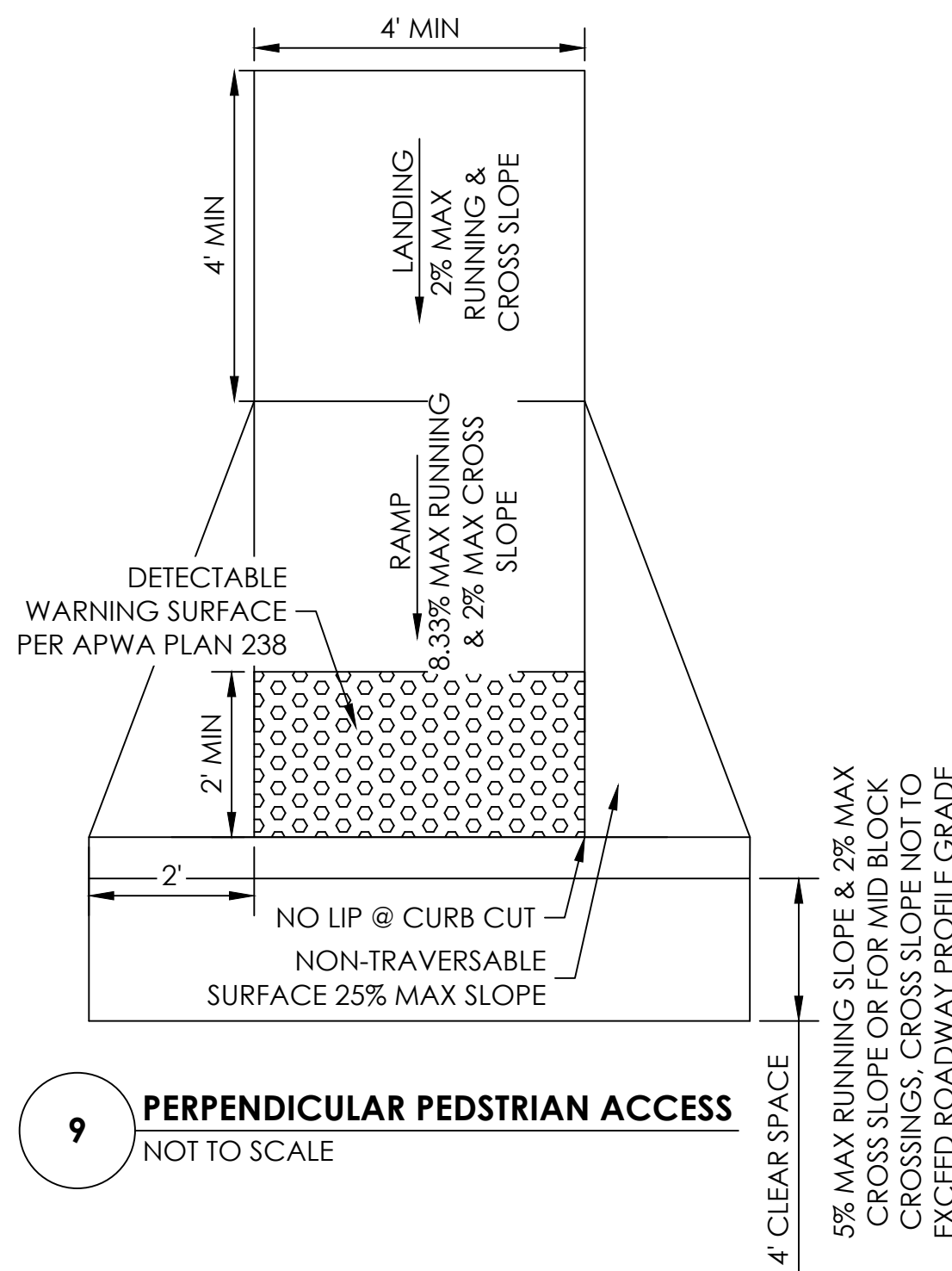


10 **OUTLET STRUCTURE ORIFICE FLOW PROFILE**
NOT TO SCALE

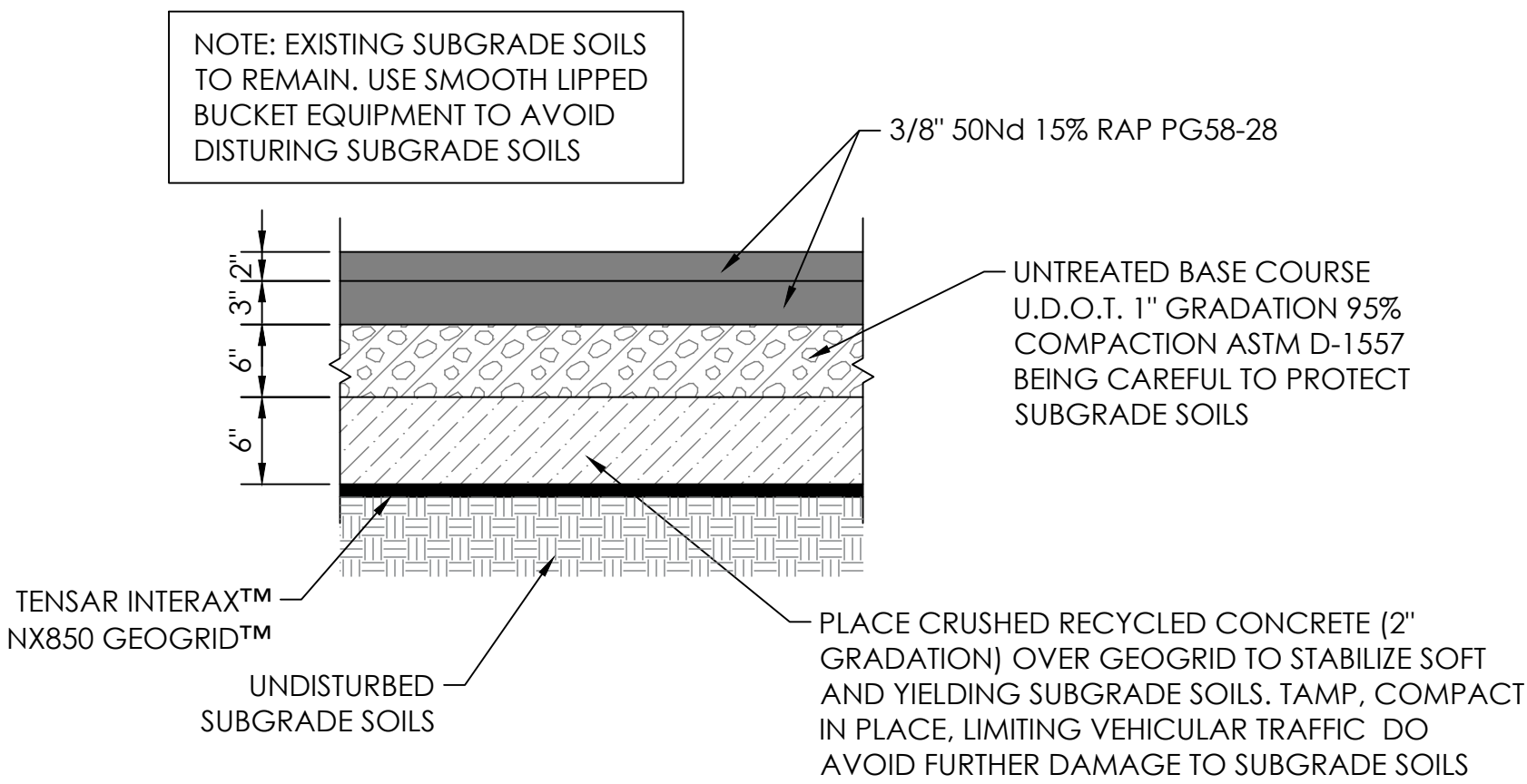


- NOTES:
1. INSTALL CONTRACTION JOINTS VERTICAL, 1/8" WIDE OR 1/4 SLAB THICKNESS IF THE SLAB IS GREATER THAN 8" THICK. MAXIMUM LENGTH TO WIDTH RATIO FOR NON-SQUARE PANELS IS 1.5 TO 1. MAXIMUM PANEL LENGTH (IN FEET) IS 1.5 TIMES THE SLAB THICKNESS (IN INCHES).
 2. INSTALL EXPANSION JOINTS VERTICAL, FULL DEPTH, WITH TOP FILLER SET FLUSH WITH CONCRETE SURFACE.
 3. PROVIDE 1/2" RADIUS EDGES. APPLY BROOM FINISH. APPLY A CURING AGENT.

3 **SIDEWALK DETAIL**
NOT TO SCALE

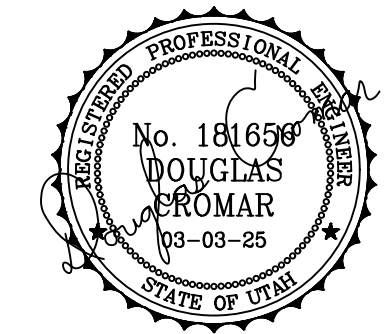


9 **PERPENDICULAR PEDESTRIAN ACCESS**
NOT TO SCALE



1 **OPTIONAL ASPHALT SECTION FOR SOFT & YIELDING SOILS**
NOT TO SCALE

ONLY TO BE USED UNDER THE DIRECTION OF ENGINEER AND SCHOOL DISTRICT.
PROVIDE COST FOR THIS OPTIONAL PAVEMENT SECTION ON BID FORM.



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PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER	
ADS SALES REP	
PROJECT NO.	



WJHS PARKING LOT EXPANSION SC310

WEST JORDAN, UT, USA

SC-310 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE STORMTECH SC-310.
- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE OR POLYETHYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 400 LBS/FT²W, THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418, AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
 - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
 - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
 - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2922 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS, TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

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IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-310 SYSTEM

- STORMTECH SC-310 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONESHOOTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- MAINTAIN MINIMUM - 3" (80 mm) SPACING BETWEEN THE CHAMBER ROWS.
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE: AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

- STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-740 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER TIRE LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

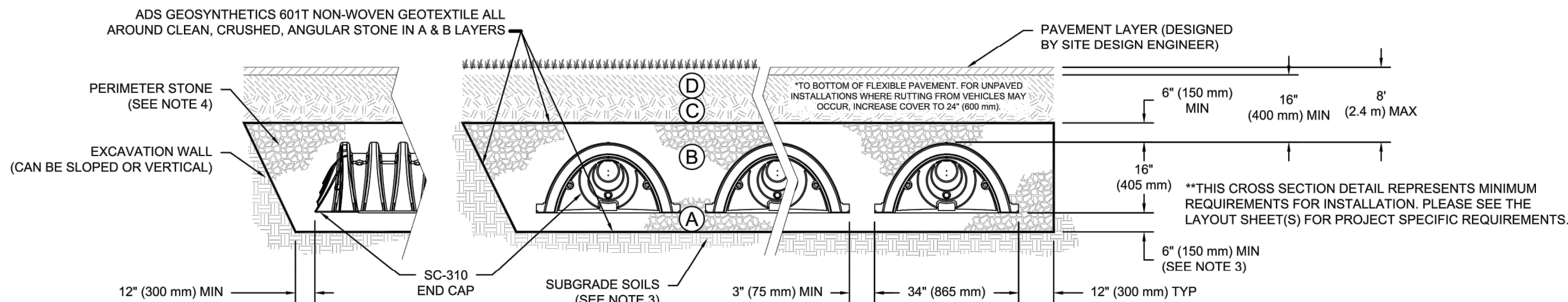
CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN), DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETES	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETES	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}


PLEASE NOTE:

- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
- STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
- WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
- ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
- WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



NOTES:

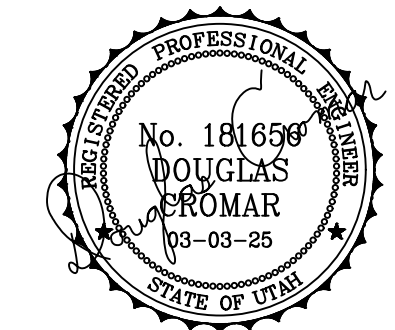
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 400 LBS/FT²W, THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418, AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

 <div>4640 TRUMAN BLVD JACKSON, MI 48626 1-800-733-7473</div>	<div>StormTech® Chamber System</div>	WJHS PARKING LOT EXPANSION SC310 WEST JORDAN, UT, USA					
		DATE: 03/07/2025		PROJECT: WJHS PARKING LOT EXPANSION		CHECKED: WA	
		THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO STORMTECH BY THE CLIENT. STORMTECH DOES NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE CLIENT IS RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED.					
		WITHOUT THE CLIENT'S PERMISSION, THIS DRAWING IS NOT TO BE USED FOR ANY OTHER PROJECT. THE CLIENT IS RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED.					
SHEET		DATE: 03/07/2025		PROJECT: WJHS PARKING LOT EXPANSION		CHECKED: WA	
4 OF 6							



WEST JORDAN HIGH SCHOOL PARKING LOT ADDITION

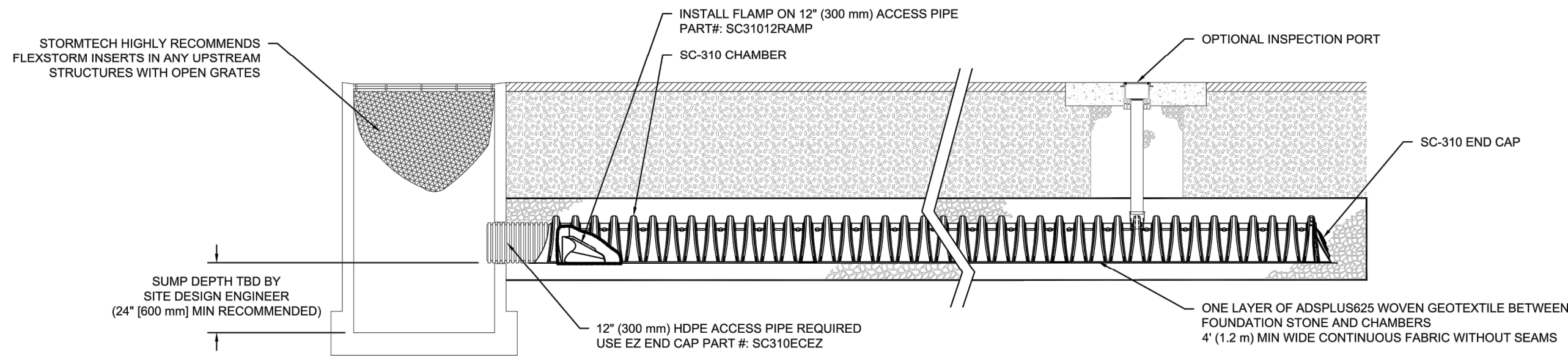
8136 SOUTH 2700 WEST
WEST JORDAN, UTAH
DRAWING ISSUE
2025-03-03
136.021



DATE REVISION

BASIN DETAILS

CP503




SC-310 ISOLATOR ROW PLUS DETAIL
NTS

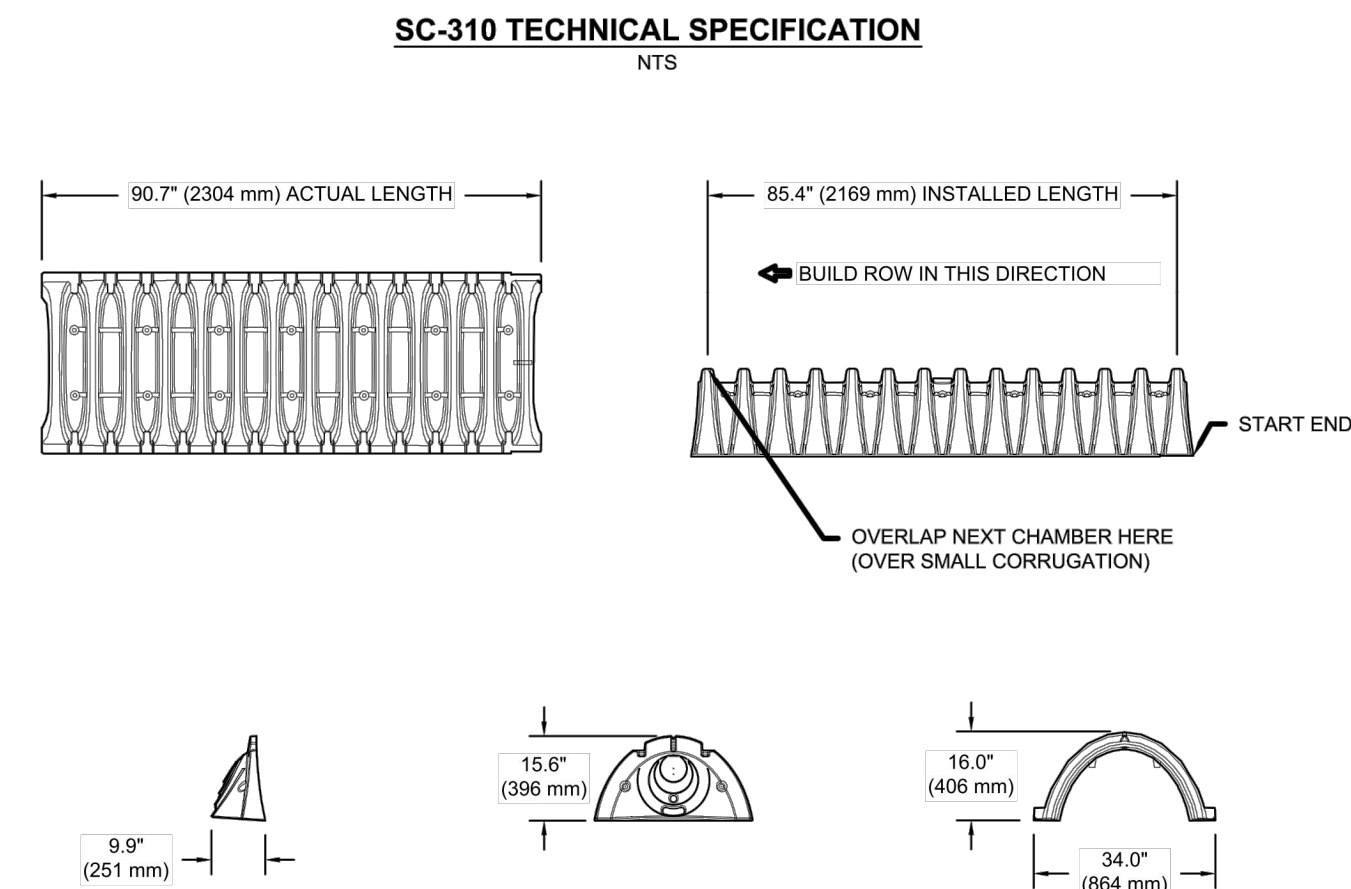
INSPECTION & MAINTENANCE

- | | |
|---------|---|
| STEP 1) | <p>INSPECT ISOLATOR ROW PLUS FOR SEDIMENT</p> <p>A. INSPECTION PORTS (IF PRESENT)</p> <p>A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN</p> <p>A.2. REMOVE AND CLEAN FLEXSTOR FILTER IF INSTALLED</p> <p>A.3. USE A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG</p> <p>A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)</p> <p>IF SEDIMENT IS AT OR ABOVE 3" (80 mm) PROCEED TO STEP 2; IF NOT, PROCEED TO STEP 3.</p> <p>B. ALL ISOLATOR ROW PLUS ROWS</p> <p>B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS</p> <p>B.2. USE A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE</p> <p>1) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY</p> <p>2) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE</p> <p>B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2; IF NOT, PROCEED TO STEP 3.</p> |
| STEP 2) | <p>CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS</p> <p>A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED</p> <p>B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN</p> <p>C. VACUUM STRUCTURE SUMP AS REQUIRED</p> |
| STEP 3) | <p>REPLACE ALL COVERS, GRATINGS, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.</p> |
| STEP 4) | <p>INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.</p> |

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

 4640 TRUMAN BLVD LANSING, MI 48226 1-800-733-7474	StormTech® Chamber System		DATE: 11/01/2025		PROJECT #:		CHECKED: WA		WJHS PARKING LOT EXPANSION SC310 WEST JORDAN, UT, USA
			DATE: 11/01/2025		PROJECT #:		CHECKED: WA		
SHEET 5 OF 6									



SC-310 TECHNICAL SPECIFICATION
NTS

NOMINAL CHAMBER SPECIFICATIONS

<u>ROBLINE CHAMBER SPECIFICATIONS</u>		
SIZE (W X H X INSTALLED LENGTH)	34.0" X 16.0" X 85.4"	(864 mm X 406 mm X 2169 mm)
CHAMBER STORAGE	14.7 CUBIC FEET	(0.42 m ³)
MINIMUM INSTALLED STORAGE*	29.3 CUBIC FEET	(0.83 m ³)
WEIGHT	35.0 lbs.	(16.8 kg)


*ASSUMES 6" (152 mm) ABOVE, BELOW, AND 3" (75 mm) BETWEEN CHAMBERS

PART #	STUB	B	C
SC310EPE06TPC	6" (150 mm)	5.8" (147 mm)	---
SC310EPE06BPC		---	0.5" (13 mm)
SC310EPE08TPC	8" (200 mm)	3.5" (89 mm)	---
SC310EPE08BPC		---	0.6" (15 mm)
SC310EPE10TPC	10" (250 mm)	1.4" (36 mm)	---
SC310EPE10BPC		---	0.7" (18 mm)
SC310ECEZ*	12" (300 mm)	---	0.9" (23 mm)

ALL STUBS, EXCEPT FOR THE SC310ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC310EEZ THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 12". MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL; PRE-CORED END CAPS END WITH "PC"

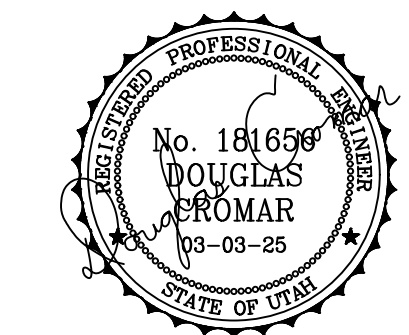
	4640 TUGRIAN BLVD ALBUQUERQUE, NM 87106 1-800-733-7374	StormTech® Chamber System				1-800-821-9710 WWW.STORMTECH.COM				DATE	DRW	CHK	DESCRIPTION	THE DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY THE USER. THE USER ASSUMES ALL RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE USER SHALL REVIEW THE DRAWING PRIOR TO BEING AND/OR CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE USER TO ENSURE THAT THE PRODUCT IS SPECIFIED AND AS INSTALLED THAT IT IS ALL APPLICABLE WITHOUT THE USER'S PRIOR APPROVAL. THE USER SHALL REVIEW THE DRAWING PRIOR TO BEING AND/OR CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE USER TO ENSURE THAT THE PRODUCT IS SPECIFIED AND AS INSTALLED THAT IT IS ALL APPLICABLE WITHOUT THE USER'S PRIOR APPROVAL.				WJHS PARKING LOT EXPANSION SC310 WEST JORDAN, UT, USA			
						DATE: 03/07/2025	PROJECT #:	CHECKED: WA	DRAWN: WA												
SHEET																					
6 OF 6																					



WEST JORDAN HIGH SCHOOL PARKING LOT ADDITION

8136 SOUTH 2700 WEST
WEST JORDAN, UTAH

DRAWING ISSUE
ISSUE DATE
CONSTRUCTION DOCUMENTS
2025-03-03



	DATE	REVISION
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BASIN DETAILS

CP504



SCHOOL DISTRICT
7905 South Redwood Road
West Jordan, Utah 84088

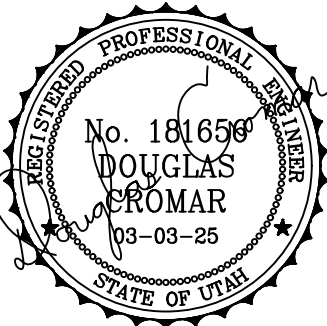


8136 SOUTH 2700 WEST
WEST JORDAN, UTAH

DRAWING ISSUE | CONSTRUCTION DOCUMENTS

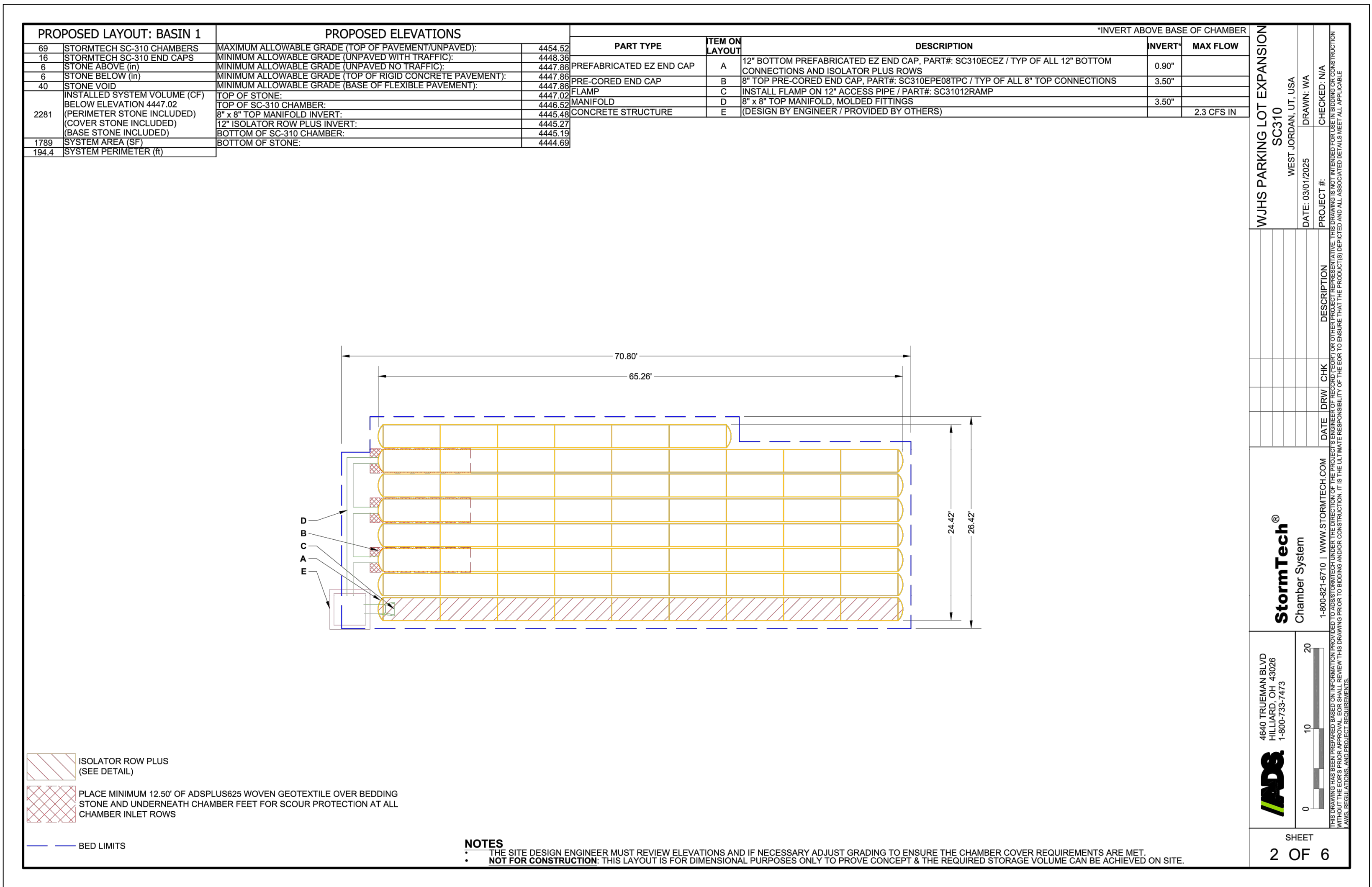
ISSUE DATE 2025-03-03

NWL PROJECT	136.021
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CP505





SCHOOL DISTRICT
7905 South Redwood Road
West Jordan, Utah 84088

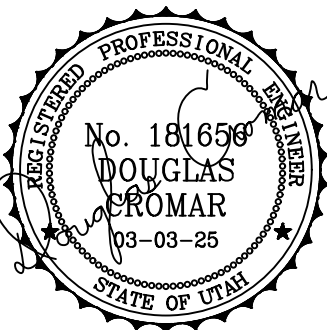


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WEST JORDAN, UTAH

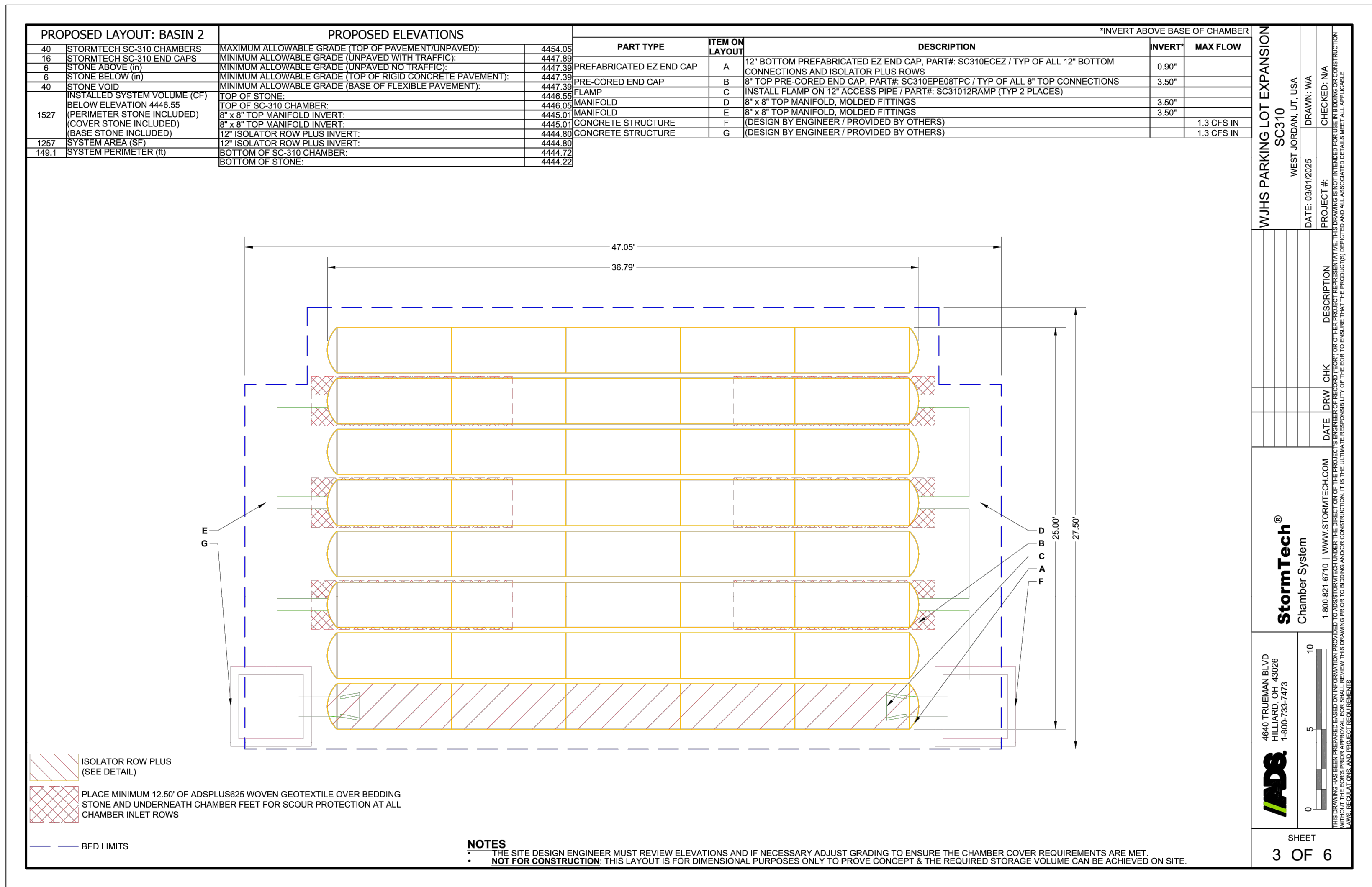
DRAWING ISSUE | CONSTRUCTION DOCUMENTS

ISSUE DATE

NWL PROJECT | 136.021



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7905 South Redwood Road
West Jordan, Utah 84088



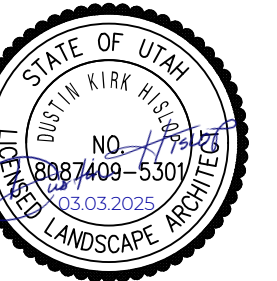
WEST JORDAN HIGH SCHOOL PARKING LOT ADDITION

8136 SOUTH 2700 WEST
WEST JORDAN, UTAH

DRAWING ISSUE
ISSUE DATE
CONSTRUCTION DOCUMENTS
MARCH 3, 2025

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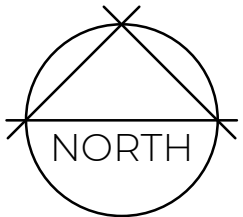
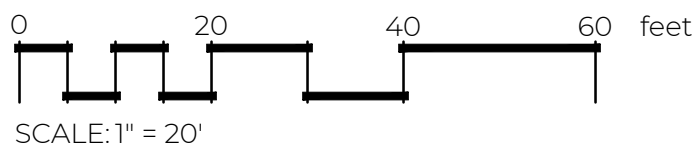
DATE	REVISION





CONSTRUCTION DOCUMENTS

PLANTING PLAN

L101



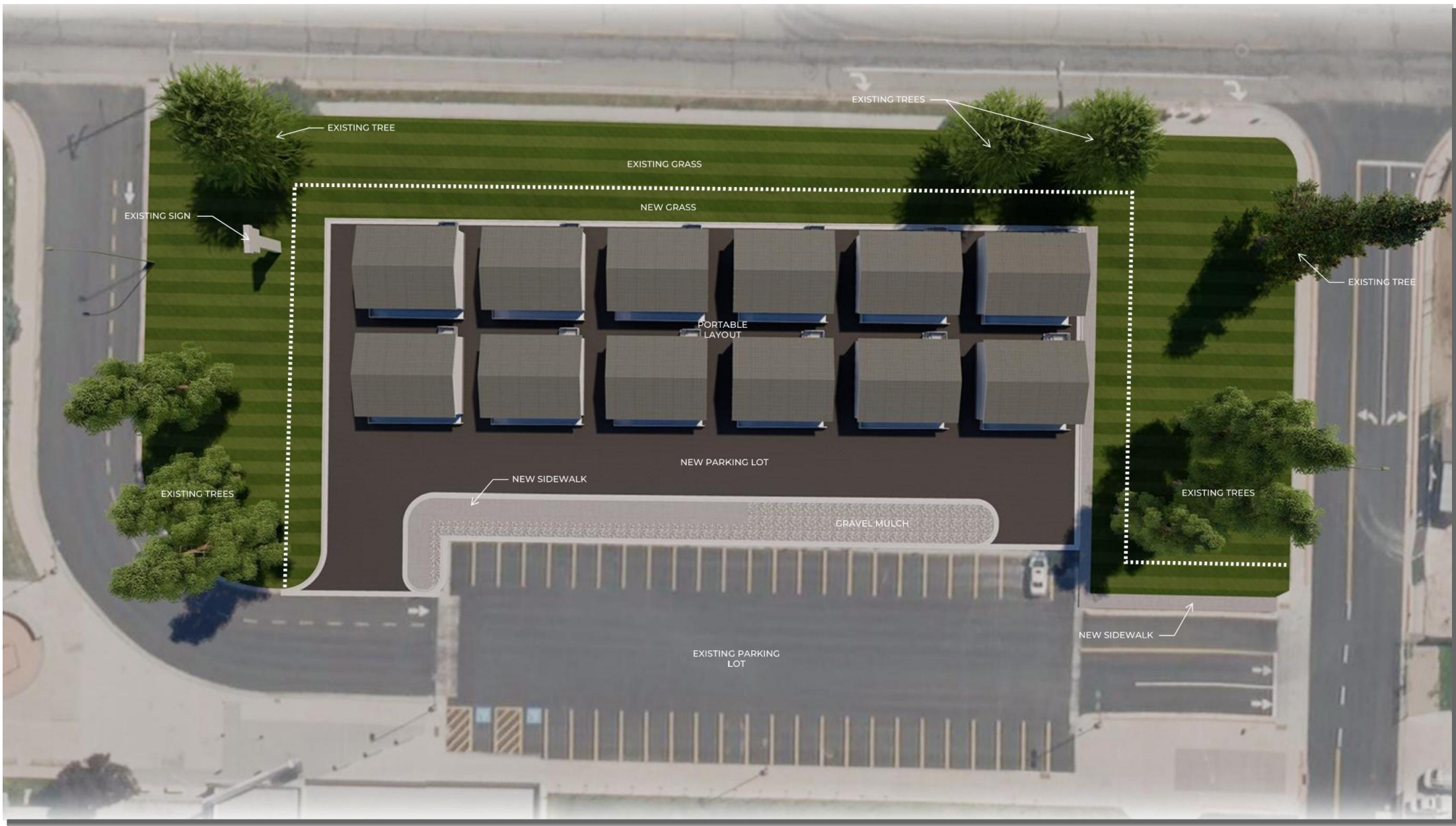
PLANTING SCHEDULE

<u>SYMBOL</u>	<u>CODE</u>	<u>BOTANICAL / COMMON NAME</u>	<u>SIZE</u>	<u>QTY</u>
<u>GROUND COVERS</u>				
	CR2	Crushed Clean Angular Rock 3"-6" / Owner to approve color	N/A	1,863 sf
	PPK	Poa pratensis / Kentucky Bluegrass	sod	5,015 sf

PLANTING NOTES

1. CONTRACTOR TO VERIFY ALL CONDITIONS PERTAINING TO THIS PLAN AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER.
2. THE CONTRACTOR SHALL LOCATE AND VERIFY ALL UTILITIES LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE OWNER.
3. CONTRACTOR SHALL REPAIR ALL DAMAGES CAUSED BY OPERATIONS (WHICH OCCUR ON OR OFF SITE) TO THE OWNER'S SATISFACTION.
4. ALL QUANTITIES SHOWN ARE APPROXIMATE AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THEY DO NOT NECESSARILY CORRESPOND TO BID SCHEDULE ITEMS. IN THE CASE OF ANY DISCREPANCIES, PLANS SHALL OVER-RIDE THE LANDSCAPE AND BID SCHEDULE QUANTITIES. CONTRACTOR SHALL VERIFY QUANTITIES SHOWN ON THE PLANS AND BASE THEIR BID ACCORDINGLY.
5. DO NOT MAKE UNAPPROVED SUBSTITUTIONS. IF SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY FROM AT LEAST TWO OTHER SOURCES TO OWNER, TOGETHER WITH A REQUEST FOR USE OF AN EQUIVALENT MATERIAL FOR FINAL APPROVAL.
6. REPAIR ALL LANDSCAPING WHERE NEW CONSTRUCTION MEETS EXISTING AND PROVIDE SMOOTH, SEAMLESS TRANSITION.
7. USE ON SITE EXISTING TOP SOIL TO REPAIR AND FIX GRADES AS NEEDED IN NEW CONSTRUCTION AREAS. COORDINATE EXISTING TOP SOIL NEEDS WITH GENERAL CONTRACTOR.
8. LANDSCAPE CONTRACTOR SHALL COORDINATE AND ADJUST PLANT PLACEMENT WITH SPRINKLERS.
9. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL PLANT MATERIALS IN A HEALTHY STATE DURING CONSTRUCTION. ANY DAMAGE TO PLANT MATERIALS DUE TO NEGLIGENCE BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
10. PROVIDE NEW SOD IN ALL TRENCHED AREAS NOT SHOWN IN PLANS.
11. SEE SHEET L501 AND L502 FOR LANDSCAPE & IRRIGATION DETAILS.

D



West Jordan High Landscape Design Plan View



West Jordan High Landscape Looking West

C



West Jordan High Landscape Design New Entry



West Jordan High Landscape Design Looking South

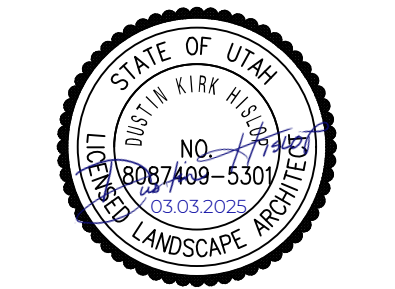
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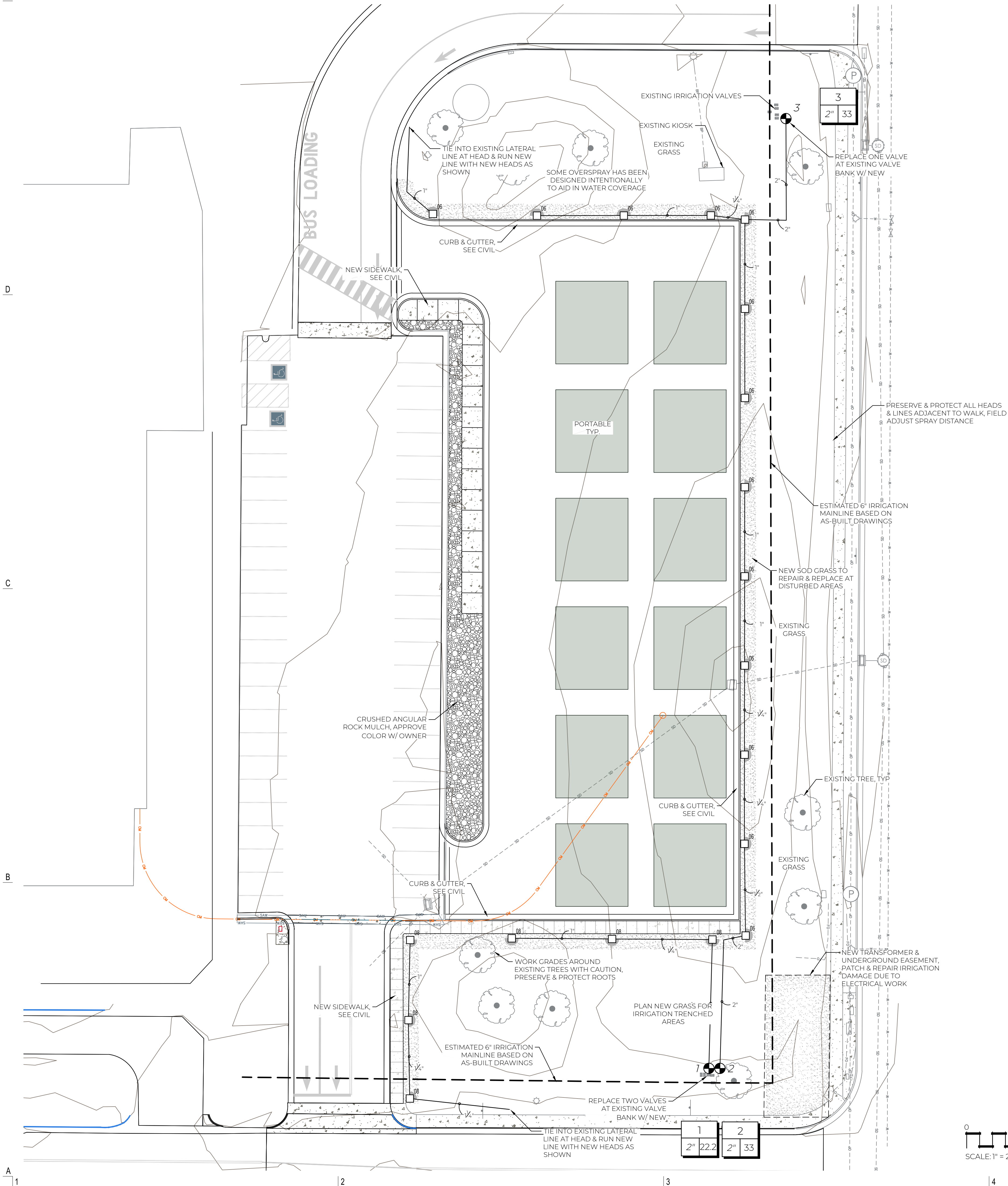


West Jordan High Landscape Design Parking Lot










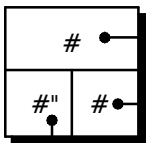


West Jordan High Landscape Design Looking North East



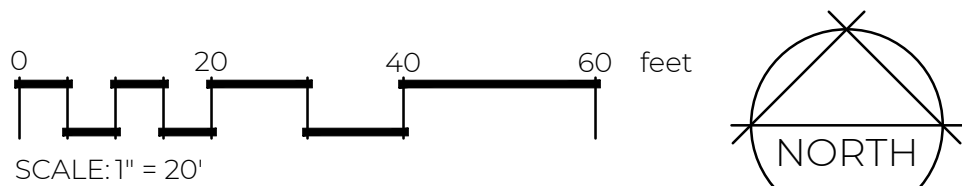


IRRIGATION SCHEDULE

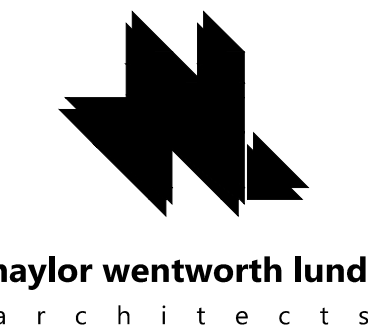
<u>SYMBOL</u>	<u>MANUFACTURER/MODEL/DESCRIPTION</u>	<u>QTY</u>	<u>PSI</u>	<u>GPM</u>	<u>RADIUS</u>
	Rain Bird 6504-PC, FC 06 Turf Rotor, 4.0" Pop-Up, Plastic Riser, Adjustable and Full Circle. With Removable Seal-A-Matic Check Valve, 1" Female Threaded Inlet.	13	50	5.5	49'
	Rain Bird 6504-PC, FC 08 Turf Rotor, 4.0" Pop-Up, Plastic Riser, Adjustable and Full Circle. With Removable Seal-A-Matic Check Valve, 1" Female Threaded Inlet.	6	50	7.4	51'
<u>SYMBOL</u>	<u>MANUFACTURER/MODEL/DESCRIPTION</u>	<u>QTY</u>			
	Rain Bird PESB 2" 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.	3			
	Irrigation Lateral Line: PVC Schedule 40				
	Irrigation Lateral Line: PVC Schedule 40 1"				
	Irrigation Lateral Line: PVC Schedule 40 1 1/4"				
	Irrigation Lateral Line: PVC Schedule 40 1 1/2"				
	Irrigation Lateral Line: PVC Schedule 40 2"				
	Irrigation Mainline: PVC Schedule 40				
	<div><div>Valve Called</div><div><div>#</div><div>#</div><div>#</div></div><div><div>Valve Number</div><div>Valve Flow</div><div>Valve Size</div></div></div>				

IRRIGATION NOTES

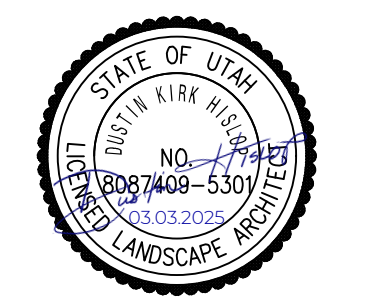
- WORKMANSHIP AND MATERIALS SHALL CONFORM TO ALL GOVERNMENTAL CODES AND REGULATIONS HAVING JURISDICTION. INSTALL ALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIM/HERSELF WITH ALL GRADES, LOCATION OF WALKS, STRUCTURES, AND UTILITIES. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY CONSTRUCTION.
- ALL UNDERGROUND UTILITIES ARE NOT SHOWN ON THESE PLANS. INSTALLER SHALL LOCATE ALL UNDERGROUND UTILITIES AT LEAST FORTY-EIGHT (48) HOURS BEFORE DIGGING. THE INSTALLER SHALL CALL BLUE STAKE, PROPERTY OWNER, AND CONSULT WITH ANY OTHER PERSONS OR AGENCIES HAVING INFORMATION ON LOCATIONS OF UNDERGROUND UTILITIES.
- NOTIFY PROJECT REPRESENTATIVE OF ANY DISCREPANCY FOUND BETWEEN THE CONSTRUCTION DOCUMENTS AND THE EXISTING SITE AND/OR MATERIALS TO BE INSTALLED. DO NOT INSTALL THE IRRIGATION SYSTEM AS SHOWN WHEN ANY UNKNOWN CONDITION SUCH AS OBSTRUCTIONS, DIFFERENCES IN GRADE AND AREA DIMENSIONS EXIST IN THE FIELD WHICH WERE NOT CONSIDERED IN THE IRRIGATION DESIGN. IN THE EVENT THAT NOTIFICATION IS NOT GIVEN BY THE CONTRACTOR TO OWNER'S REPRESENTATIVE, THEN THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS OR CHANGE ORDERS.
- NO PART OF THIS SYSTEM SHALL BE INSTALLED IN ANY LOCATION OR MANNER WHICH MAY ENDANGER THE HEALTH, SAFETY, OR WELFARE OF THE PUBLIC. OPEN EXCAVATIONS SHALL BE BARRICADED OR COVERED. PROVIDE AND MAINTAIN ALL LIGHTS, WARNING SIGNS, BARRICADES, ETC. AS MAY BE REQUIRED OR NECESSARY TO PROTECT THE PUBLIC.
- INSTALLER SHALL CHECK THE STATIC WATER PRESSURE AT THE POINT OF CONNECTION (VALVES) PRIOR TO START OF INSTALLATION. IF PRESSURE IS UNDER 60 PSI, THE INSTALLER SHALL NOTIFY THE PROJECT REPRESENTATIVE.
- PIPE PLACEMENT AND VALVE LOCATIONS ARE DIAGRAMMATIC.
- INSTALLER SHALL FILL AND COMPACT EXCAVATIONS SO THAT THEY ARE FLUSH WITH SURROUNDING GRADE AND WILL NOT SETTLE.
- USE EXISTING CONTROL WIRE AT EXISTING VALVE LOCATIONS WHERE NEW VALVE IS REPLACING OLD.
- ANY IRRIGATION SPLICES SHALL BE DONE BY DBY OR DBR BY 3M. ALL SPLICES SHALL BE MADE INSIDE VALVE BOXES.
- INSTALL FILTER ASSEMBLY ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER COVERAGE OF ALL IRRIGATED AREAS.
- ADJUST HEADS TO MINIMIZE SPRAY ON FENCES, WALLS, AND BUILDINGS. ABSOLUTELY NO WATER SHALL SPRAY OR DRAIN ONTO OR OVER STAIRS OR STEPS, OR DRAIN ACROSS WALKS, CURBS, OR STREETS. PROGRAM CONTROLLER FOR MULTIPLE START TIMES TO PREVENT RUNOFF. INSTALL ANTI-DRAIN CHECK VALVES UNDER HEADS WHERE DRAINAGE OCCURS OR USE HEADS WITH INTEGRAL CHECK VALVES.
- THE CONTRACTOR SHALL KEEP THE PREMISES CLEAN AND FREE OF EXCESS EQUIPMENT, MATERIALS AND RUBBISH INCIDENTAL TO WORK OF THIS SECTION.
- THE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM FOR THE DURATION OF THE MAINTENANCE PERIOD OF 60 DAYS FOR PLANTS AND 90 DAYS FOR TURF GRASS (SOD & SEED). WATER, MOW, AND WEED THE SITE AS NECESSARY FOR THE HEALTH OF THE INSTALLED LANDSCAPE.
- FINAL INSPECTION AT THE END OF WORK SHALL BE MADE WITH THE OWNER'S REPRESENTATIVE AND IRRIGATION CONTRACTOR. A COVERAGE TEST WILL BE DONE, AND THE SYSTEM INSTALLATION INSPECTED AND A PUNCH LIST OF FINAL ITEMS NEEDING COMPLETION MADE. A LETTER OF ACCEPTANCE SHALL BE GIVEN BY THE OWNER TO THE CONTRACTOR AT THE COMPLETION OF THE PUNCH LIST AND THE DELIVERY OF AS-BUILT IRRIGATION PLANS.
- GUARANTEE: ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF OWNER'S ACCEPTANCE. GUARANTEE SHALL ALSO COVER REPAIR FOR DAMAGE TO ANY PART OF THE PREMISES RESULTING FROM LEAKS OR OTHER DEFECTS IN MATERIAL, EQUIPMENT OR WORKMANSHIP, TO THE SATISFACTION OF THE OWNER. REPAIRS, IF REQUIRED, SHALL BE DONE PROMPTLY AND AT NO COST TO THE OWNER.
- QUANTITIES PROVIDED ARE FOR CONVENIENCE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDED A FULLY FUNCTIONAL SYSTEM WITH HEAD TO HEAD COVERAGE AND WATER TO EACH PLANT IN ALL PLANTER BEDS.



CONSTRUCTION DOCUMENTS



WEST JORDAN HIGH SCHOOL PARKING LOT ADDITION
8108 SOUTH 2700 WEST
WEST JORDAN, UTAH
DRAWING ISSUE
ISSUE DATE
MARCH 13, 2025
CONSTRUCTION DOCUMENTS
NWL PROJECT



DATE REVISION

IRRIGATION PLAN

L201

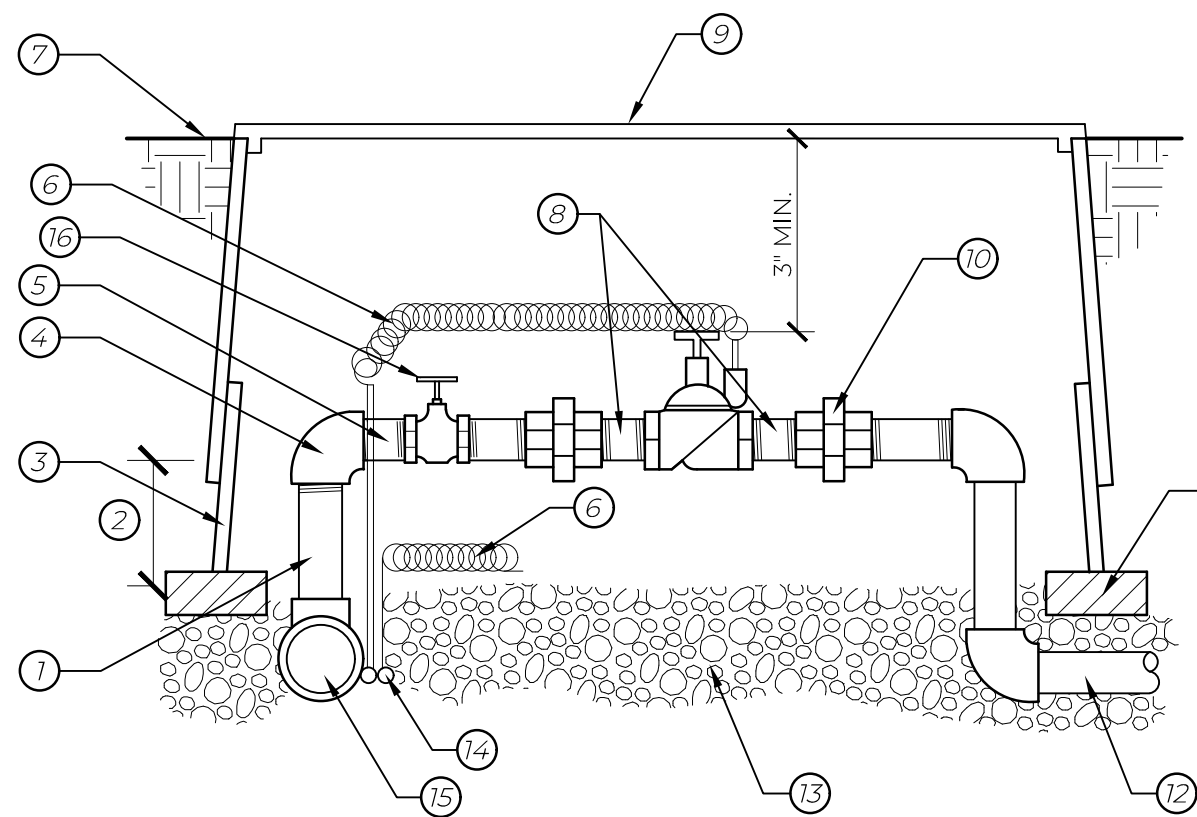
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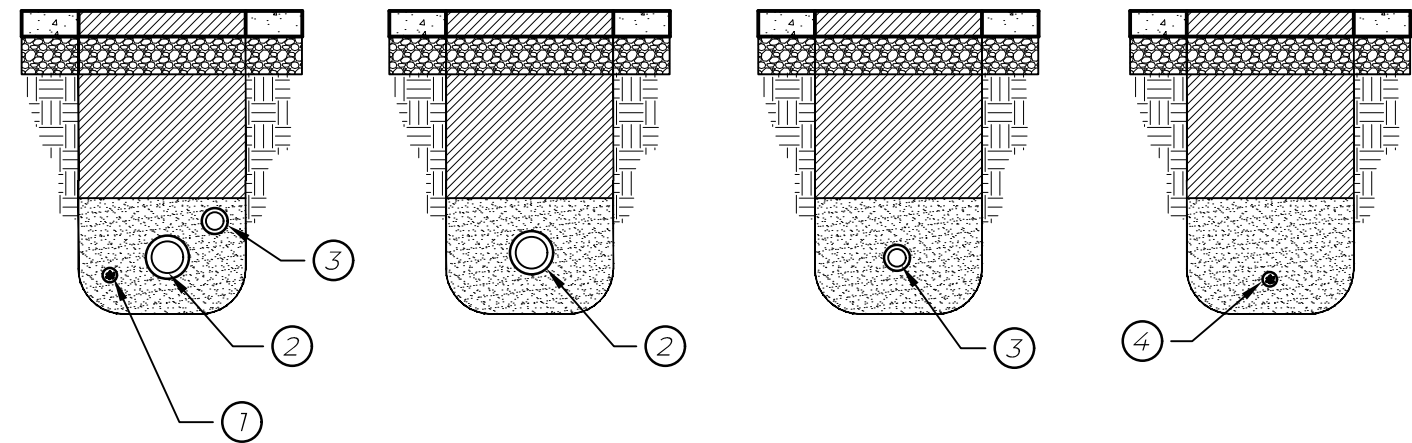
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- 1 SCH. 80 PVC SS T.O.E. NIPPLE (TYP.)
- 2 4" CLEARANCE BETWEEN GRAVEL AND VALVE
- 3 VALVE BOX EXTENSION AS REQUIRED
- 4 SCH. 80 TT90 (TYP.)
- 5 SCH. 80 PVC NIPPLE
- 6 24" COILED EXTRA WIRE (DIFFERENT COLOR) INSTALL COIL IN EACH VALVE BOX
- 7 FINISH GRADE
- 8 SCH. 80 PVC THREADED NIPPLE
- 9 RECTANGULAR HEAVY DUTY PLASTIC VALVE BOX
- 10 SCH. 80 PVC NIPPLE AND UNION
- 11 PAVING BRICK (TYP.)
- 12 SCH. 40 PVC LATERAL (12" DEEP MIN.)
- 13 6" DEEP PEA GRAVEL SUMP
- 14 TAPE WIRE TO SIDE OF MAINLINE AT 10'-0" O.C.
- 15 SCH. 40 PVC MAINLINE (18" DEEP MIN.)
- 16 BALL VALVE



- 1 RUN WIRING BENEATH AND BESIDE MAINLINE
- 2 MAIN LINE
- 3 LATERAL LINE
- 4 WIRE

- NOTES:
- SLEEVES SHALL BE TWICE THE DIAMETER OF THE PIPE WITHIN.
 - PIPE AND WIRE SHALL BE PLACED IN SEPARATE SLEEVES.
 - TRENCHES SHALL BE EXCAVATED 2" BELOW NORMAL TO ALLOW FOR PROPER BEDDING. SELECTED FILL SHALL BE USED IF SOIL CONDITIONS ARE ROCKY.
 - MAIN LINE SHALL HAVE 18-24" COVER, LATERAL LINE SHALL HAVE 8-12" MIN. COVER, 4" OF SCREENED FILL SHALL COVER THE PIPE. THE TOP 6" OF COVER SHALL CONTAIN NO ROCKS/AGGREGATES LARGER THAN 2".
 - TRENCH FILL SHALL BE THOROUGHLY COMPACTED AND LEVELED WITH ADJACENT SOIL.
 - PLASTIC PIPE SHALL BE EXTRUDED FROM PVC 1120-1220 COMPOUND AND LABELED AS SUCH. ALL PVC PIPE SHALL BE SCH. 40. ALL MAINLINE FITTINGS SHALL BE SCH. 80.
 - ALL WIRING SHALL BE ENCLOSED IN CONDUIT: CONTROL WIRE, 2-WIRE, POWER WIRE.

1 REMOTE CONTROL VALVE

1 1/2" = 1'-0"

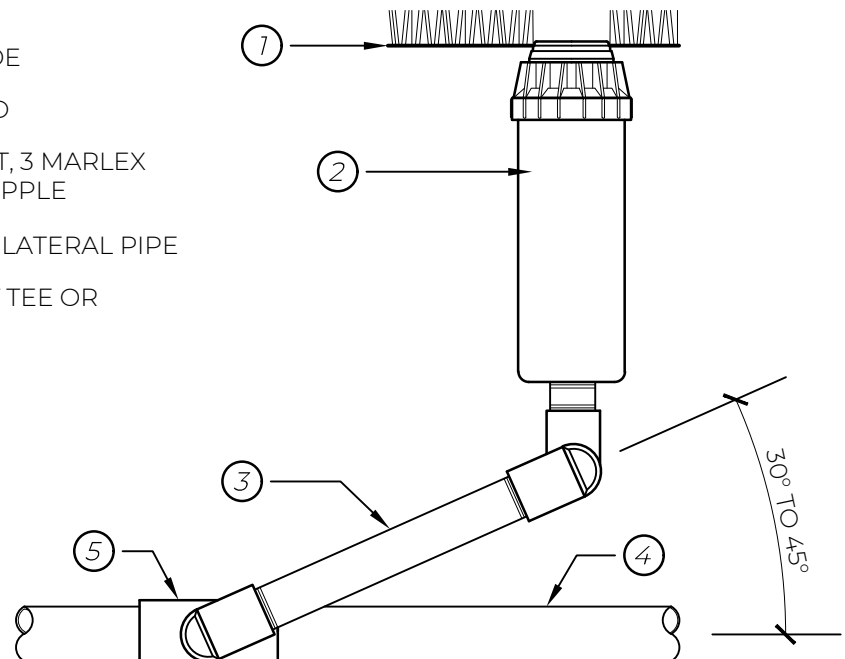
P-ED-WES-51

2 PIPE/WIRE IN TRENCH

NTS

P-ED-WES-52

- 1 FINISH GRADE
- 2 ROTOR HEAD
- 3 SWING JOINT, 3 MARLEX STR 90, 12" NIPPLE
- 4 SCH. 40 PVC LATERAL PIPE
- 5 SCH. 40 S X T TEE OR BELOW



- NOTES:
- ALL SPRINKLER HEADS THAT BE SET TO GRADE & PERPENDICULAR TO THE FINISHED GRADES UNLESS OTHERWISE SPECIFIED. HEADS ADJACENT TO CURBS & WALKS SHALL BE 1/2" TO 1" INCH AWAY FROM THE CURB OR WALKWAY. ALL NOZZLES SHALL BE TIGHTENED & ADJUSTED FOR THE PROPER RADIUS, ARC, & GALLONAGE IMPACT HEADS SHALL NOT BE APPROVED WITHIN SCHOOL DISTRICT.
 - ALL ROTOR POP-UP SPRINKLERS SHALL HAVE AN ADJUSTABLE RISER ASSEMBLY (DOUBLE SWING JOINT).

3 POP UP ROTOR

NTS

P-ED-WES-26

4 SOD PLANTING

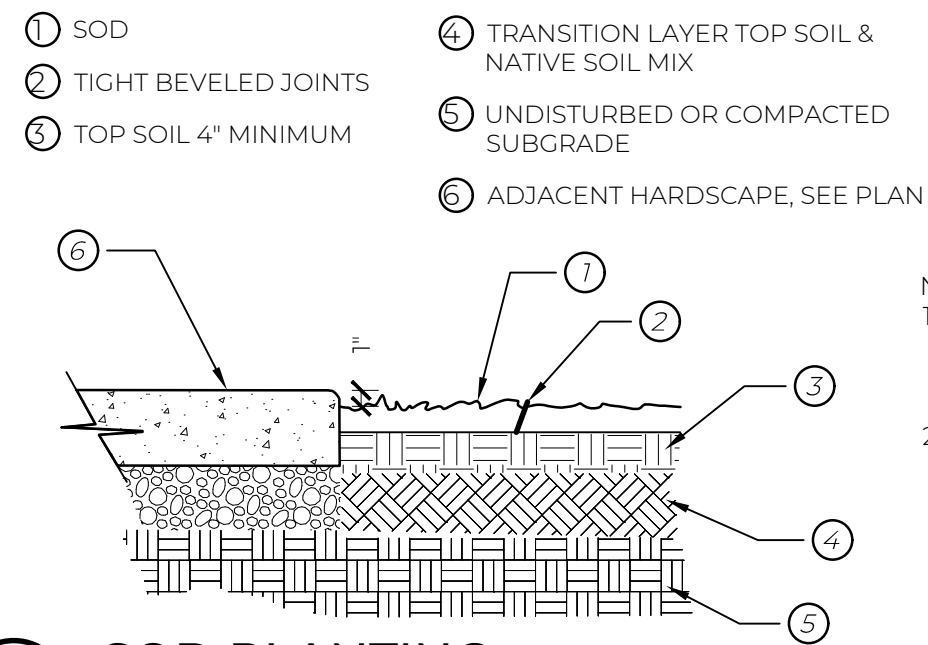
1" = 1'-0"

P-ED-WES-16

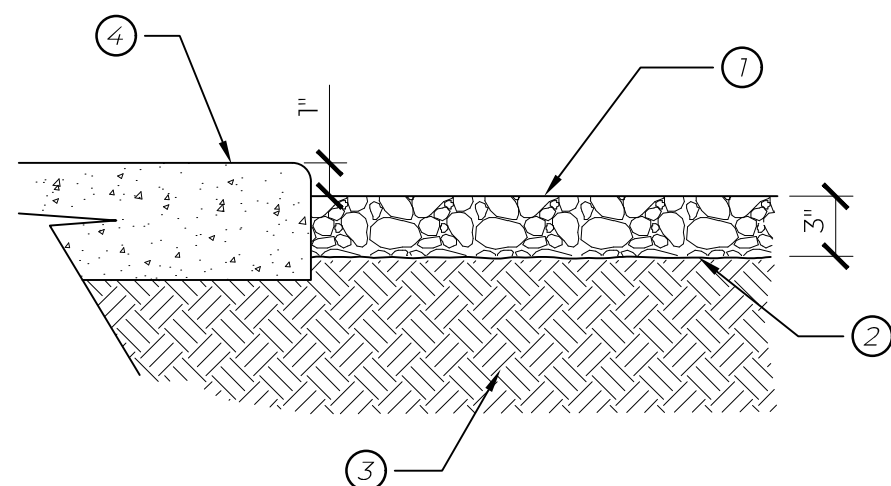
5 MULCH

1" = 1"

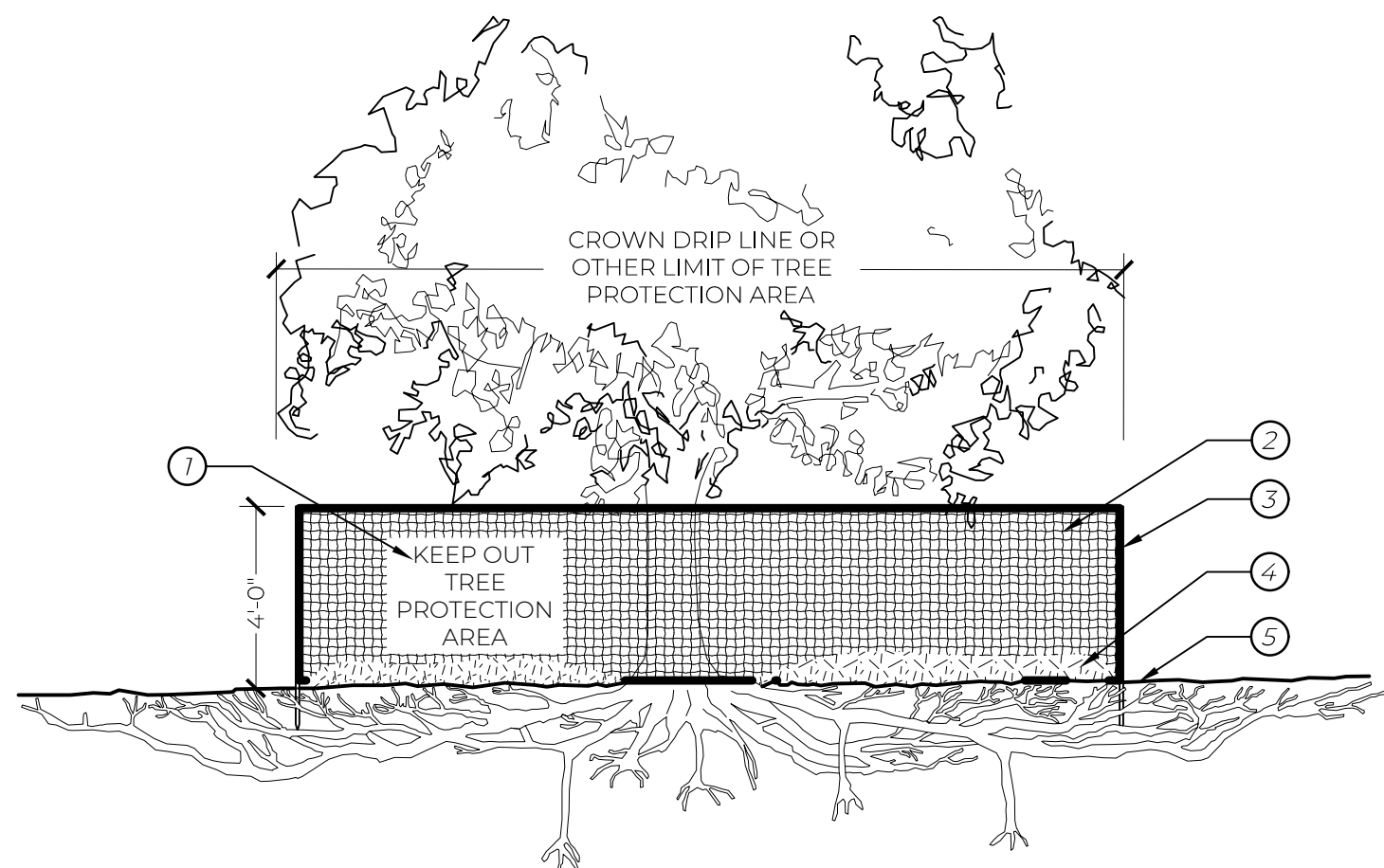
P-ED-WES-48



- NOTES:
- ENSURE SMOOTH TRANSITION WHEN PATCHING OR TYING INTO EXISTING LAWNS.
 - MATCH SPECIES OF ADJACENT TURF.



- NOTES:
- SEE PLAN FOR MULCH MATERIAL, COLOR & TYPE
 - SUBMIT 1 GAL. SAMPLES FOR APPROVAL.



6 TREE PROTECTION

1/4" = 1'-0"

P-ED-WES-49

- 1 8.5'X11" LAMINATED SIGN IN PLASTIC SPACED EVERY 50' ALONG FENCE
- 2 TREE PROTECTION FENCE, HIGH DENSITY POLYETHYLENE FENCING WITH 3.5'X1.5" OPENINGS, COLOR = ORANGE
- 3 2"X6" STEEL POSTS OR APPROVED EQUAL AT 8'-0" O.C.
- 4 5" THICK LAYER OF MULCH TO PROTECT TREE ROOTS IF VEHICLES MUST CROSS ROOT ZONE
- 5 MAINTAIN EXISTING GRADE WITH TREE PROTECTION FENCE UNLESS OTHERWISE INDICATED ON PLANS

- NOTES:
- SEE SPECIFICATION FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
 - IF THERE IS NO EXISTING IRRIGATION OR IRRIGATION IS CUT OFF, SEE SPECIFICATION FOR WATERING REQUIREMENTS.
 - NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
 - NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
 - GRUBBING AND CLEARING WITHIN TREE PROTECTION AREAS TO BE COMPLETED BY HAND.



BLUESTAKE

CONSTRUCTION DOCUMENTS

IRRIGATION
& PLANTING
DETAILS

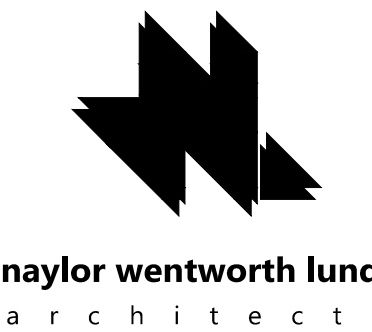
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WEST JORDAN HIGH SCHOOL PARKING LOT ADDITION

8108 SOUTH 2700 WEST
WEST JORDAN, UTAH
DRAWING ISSUE
ISSUE DATE
CONSTRUCTION DOCUMENTS
MARCH 13, 2025
NWL PROJECT
1361021



DATE REVISION



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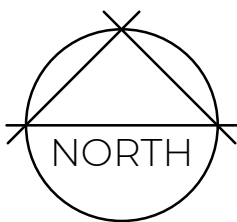
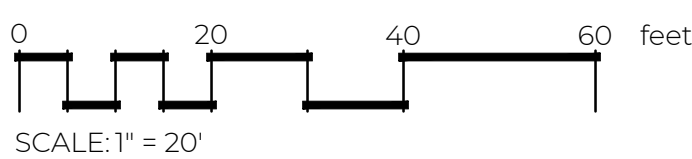
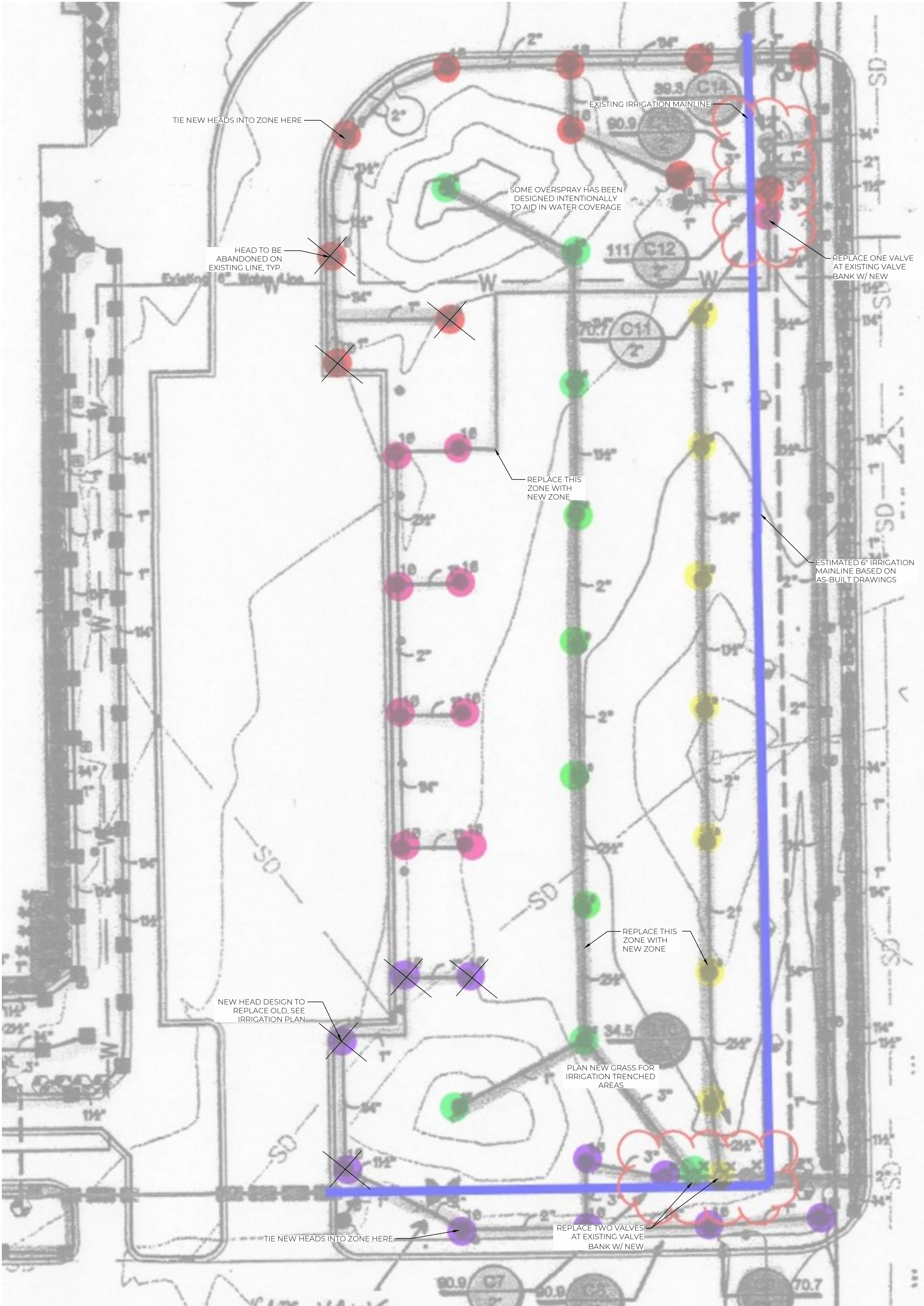
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IRRIGATION SCOPE

1. USE EXISTING IRRIGATION SYSTEM TO RETROFIT TO NEW DESIGN.
2. REPLACE THREE EXISTING 2" VALVES WITH NEW AND RUN NEW LAYOUT AS SHOWN ON IRRIGATION PLAN. GREEN, YELLOW AND PINK ZONES ARE ONES BEING REPLACED BY NEW.
3. TIE INTO TWO EXISTING LATERAL LINES TO REVISE HEAD LAYOUT ON EXISTING VALVES. RED AND PURPLE ZONES ARE BEING TIED INTO AND REVISED LAYOUT WITH NEW HEAD LOCATIONS.
4. EXISTING MAINLINE IS 6" LINE AND DOES NOT NEED ANY ADJUSTMENT.
5. INSTALL VALVES AS SHOWN IN DETAILS AND USE EXISTING CONTROL WIRE AT VALVES TO TIE INTO EXISTING SYSTEM.
6. REPLACE ANY DAMAGED SOD DUE TO IRRIGATION TRENCHING AND PROVIDE SEAMLESS TIE IN TO EXISTING.

PRINT THIS SHEET IN COLOR



CONSTRUCTION DOCUMENTS

EXISTING
IRRIGATION
PLAN FOR
REFERENCE

L502

WEST JORDAN HIGH SCHOOL PARKING LOT ADDITION

8108 SOUTH 2700 WEST WEST JORDAN, UTAH	CONSTRUCTION DOCUMENTS
DRAWING ISSUE	MARCH 13, 2025
ISSUE DATE	NWL PROJECT



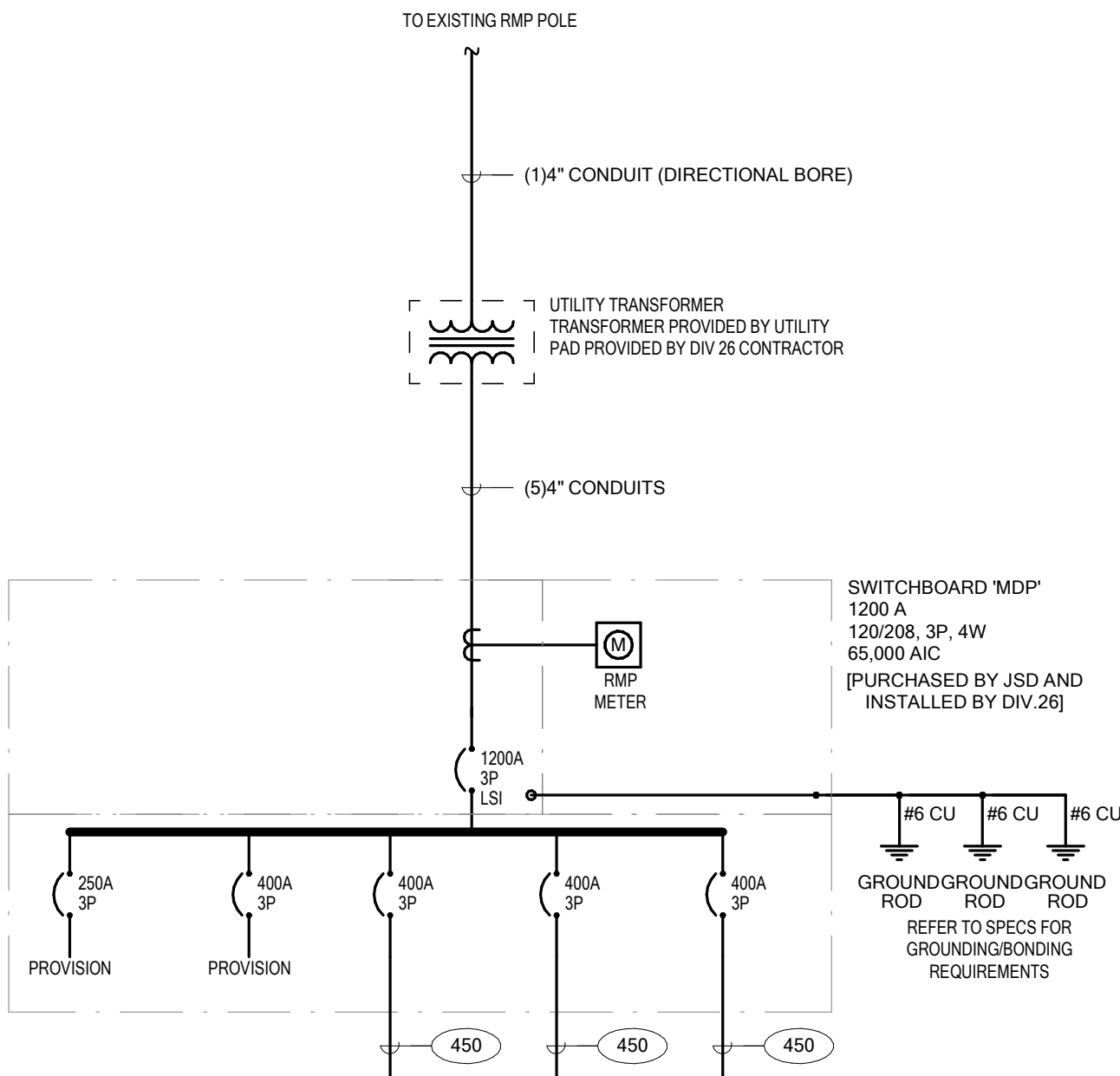
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LIGHT FIXTURE SCHEDULE

LIGHT FIXTURE ABBREVIATION SCHEDULE				PROJECT MANAGER: XX					
A.F.F. WALL@CLG CCBA	ABOVE FINISH FLOOR WALL MOUNT AT CORNER OF WALL AND CEILING CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT	SCBA CFBA SFBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT CUSTOM FINISH AS SELECTED BY THE ARCHITECT STANDARD FINISH AS SELECTED BY THE ARCHITECT						
LIGHT FIXTURE GENERAL NOTES									
1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES AND, CONFIRM CEILING TYPES WITH LIGHT FIXTURE TRIMS. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING.									
2. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPENCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.									
3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, LED DRIVERS, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS.									
4. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.									
5. REFER TO LIGHTING PLANS FOR ALL LINEAR FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF LINEAR FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH.									
6. REFER TO LIGHTING PLANS FOR ALL UNDERCABINET FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF THE UNDERCABINET FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH OR TO FIT WITHIN THE MILLWORK. COORDINATE FIXTURE LAYOUT WITH MILLWORK SHOP DRAWINGS PRIOR TO LIGHTING SUBMITTALS.									
7. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, NOTIFY THE ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNER.									
8. PRIOR APPROVALS ARE REQUIRED BEFORE BIDDING THE PROJECT AND SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.									
9. REFER TO SPECIFICATIONS 20 0500, 26 5100 & 26 5600 (16001, 16510 & 16551).									
10. VALUE ENGINEERING CONDUCTED WITHOUT THE DESIGN TEAM IE; ARCHITECT, ENGINEER & LIGHTING CONSULTANT/DESIGNER WILL NOT BE ALLOWED, REVIEWED OR APPROVED.									
TYPE	DESCRIPTION	MFR.	CATALOG #	VOLTS	TOTAL WATTS	LAMP TYPE	DELIVERED LUMENS	COLOR TEMP	CRI
OP14	MEDIUM ARCHITECTURAL AREA LED SITE LUMINAIRE; DIE-CAST & EXTRUDED ALUMINUM HOUSING; TYPE IV OPTIC; FULL CUTOFF; IP66 RATED; DIMMING MOTION SENSOR, PROGRAMMED PER OWNERS REQUIREMENTS; 250,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; MOUNTED ON A 30" ROUND TAPERED ALUMINUM POLE W/ VIBRATION DAMPENING; MIN EPA 5.4 @ 120; LIFETIME WARRANTY ON POLE; SINGLE HEAD LUMINAIRE MOUNTING; STANDARD COLOR BY ARCHITECT	LITHONIA	DSX1-LED-P4-40K-80CRI-T4M-HS-MVOLT-RPA-PIR-SCBA+RTA-30-SC-DM19A-S-V-D-DCC	277 V	124 VA	LED	13,000	4000 K	80+

COPPER CONDUCTOR & CONDUIT SCHEDULE						
TYPE	AMP.	COND. SIZE	CONDUCTOR QUAN.	SIZE	INSULATION	EQ. GND. COND.(CU)
20	30	3/4"	2	10	THHN THWN	10
30	30	3/4"	3	10	THHN THWN	10
40	30	3/4"	4	10	THHN THWN	10
28	40	1"	2	8	THHN THWN	10
38	40	1"	3	8	THHN THWN	10
48	40	1"	4	8	THHN THWN	10
26	55	1"	2	6	THHN THWN	8
36	55	1"	3	6	THHN THWN	8
46	55	1"	4	6	THHN THWN	8
24	70	1"	2	4	THHN THWN	8
34	70	1-1/4"	3	4	THHN THWN	8
44	70	1-1/4"	4	4	THHN THWN	8
23	85	1-1/4"	2	3	THHN THWN	8
33	85	1-1/4"	3	3	THHN THWN	8
43	85	1-1/2"	4	3	THHN THWN	8
32	95	1-1/2"	3	2	THHN THWN	6
42	95	1-1/2"	4	2	THHN THWN	6
450	380	4"	4	500	XHHW	3



ONE-LINE DIAGRAM

UTILITY CONDUIT SCHEDULE

—EUGF—	—EUGF—	—EUGF—	EXISTING UNDERGROUND FIBER
—EUGP—	—EUGP—	—EUGP—	EXISTING UNDERGROUND POWER
—NUGP—	—NUGP—	—NUGP—	NEW UNDERGROUND POWER
—NUGFA—	—NUGFA—	—NUGFA—	NEW UNDERGROUND FIRE ALARM
—NULP—	—NULP—	—NULP—	NEW UNDERGROUND FIBER
—NUGF—	—NUGF—	—NUGF—	NEW UNDERGROUND FIBER

SYMBOL LEGEND

- NOTES:
- SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
 - HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR.
 - REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
 - SUBSCRIPT INDICATES FIXTURES TO BE CONTROLLED.
 - NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V.
 - HEIGHT MEASURED TO TOP OF THE BOX FROM FINISHED FLOOR.
 - PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.
 - DOUBLE ARROWS INDICATES A DOUBLE FACE UNIT.
 - DEVICES NOTED WITH AN 'X' INDICATE TO COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.
 - SUBSCRIPT INDICATES NEMA CONFIGURATION.
 - SOLID BOX AROUND DEVICE INDICATES INSTALLED IN FLOOR. DASHED BOX AROUND DEVICE INDICATES INSTALLED IN CEILING.
 - COORDINATE WITH DOOR HARDWARE SUPPLIER.
 - FOR WATER COOLER LOCATION, SEE DIAGRAM R002. FOR ALL OTHER LOCATIONS, MOUNT AT +16" TO BOTTOM OF BOX FROM FINISHED FLOOR, OR AS NOTED.
 - ARROWS SHOWN ON DEVICE INDICATE AIMING DIRECTION.
 - CAMERA NUMBERS ARE SHOWN INSIDE THE CAMERA SYMBOL. CAMERA TYPES ARE INDICATED IN TAG.
 - MOUNT ON TRACK OF OVERHEAD DOOR, 6" FROM TOP OF DOOR, UNLESS OVERHEAD DOOR IS A ROLL UP DOOR. THEN MOUNT PER MANUFACTURER'S INSTRUCTIONS.
 - INSTALL DEVICES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - DASHED LINE INDICATES EQUIPMENT CLEARANCES. ARROW INDICATES FRONT OF RACK.
 - SPEAKER TO BE MOUNTED IN HORIZONTAL POSITION.
 - MOUNTING HEIGHT IS TO BOTTOM OF DISPLAY.
- *TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED ON THIS SET OF DRAWINGS.

STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

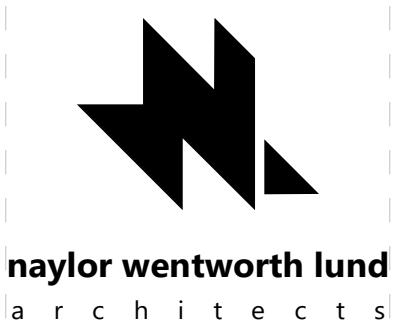
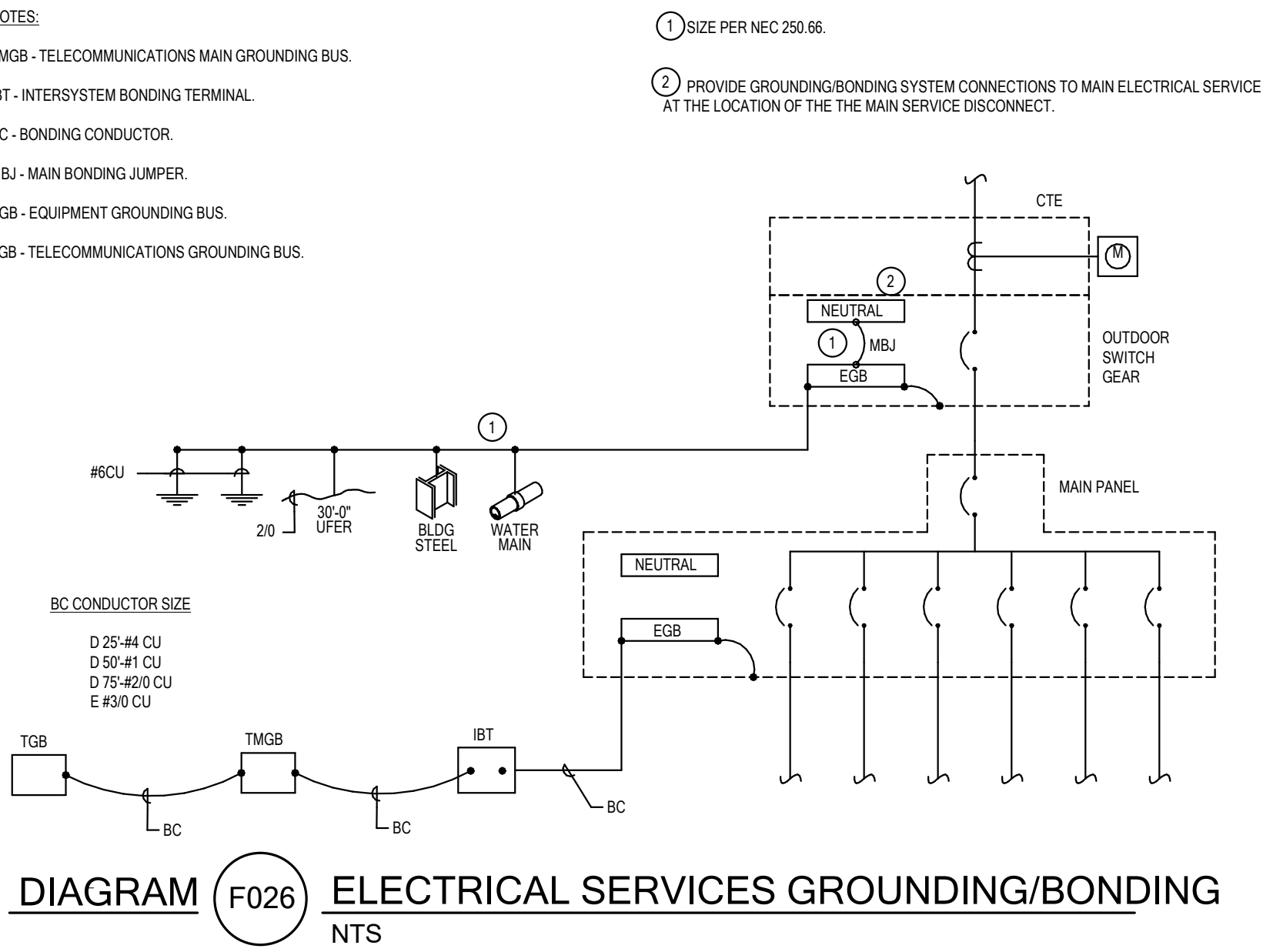
GENERAL							
SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
—	ONE CIRCUIT, HOME RUN TO PANEL			—	EQUIPMENT PANEL, SEE DRAWINGS	+72"	6.
—	2 CIRCUIT, HOME RUN TO PANEL			—	CABLE TRAY	AS NOTED	
—	3 CIRCUIT, HOME RUN TO PANEL			—	GROUND BUS BAR	+18"	6.
—	CONDUIT RUN CONCEALED IN WALL OR CEILING			—	LIGHT FIXTURE (LETTER DESIGNATES TYPE)		
—	CONDUIT RUN CONCEALED IN FLOOR OR GROUND			—	EQUIPMENT NUMBER		
—	CONDUIT UP			—	ARCHITECTURAL ROOM NUMBER		
—	CONDUIT DOWN			—	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE		
—	CONDUIT / STUB LOCATION	CAP CONDUIT		—	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE / LEGEND		
—	CONDUIT / CIRCUIT CONTINUATION						
MULTIPLE SYSTEM SYMBOLS							
—	RECEPTACLE SWITCH PACK	ABOVE CEILING		—	JUNCTION BOX (F' IN FLOOR) PER DIAGRAM	AS NOTED	
—	DUPLEX RECEPTACLE	UPPER OUTLET SWITCH CONTROLLED	2. 9.	—	MOTOR OUTLET	TO SUIT EQUIP.	2.
—	SIMPLEX RECEPTACLE		2. 9.	—	PUSHBUTTON	+46"	2.
—	DUPLEX RECEPTACLE		2. 9. 11.	—	NON-FUSED DISCONNECT SWITCH	+60"	5. 6.
—	DUPLEX RECEPTACLE		9.	—	FUSED DISCONNECT SWITCH	+60"	5. 6.
—	5mA GFCI CIRCUIT BREAKER PROTECTED RECEPTACLE		13.	—	BREAKER DISCONNECT SWITCH	+60"	5. 6.
—	WEATHERPROOF RECEPTACLE	+24" OR AS NOTED	2. 9.	—	SINGLE POLE SWITCH	+46"	2. 4.
—	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.	—	MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PILOT LIGHT	+46"	2.
—	DUPLEX RECEPTACLE EMERGENCY POWER (RED)	+18" OR AS NOTED	2. 9. 11.	—	MAGNETIC STARTER	+60"	6. 7.
—	FOURPLEX RECEPTACLE	+18" OR AS NOTED	2. 9. 11.	—	MAGNETIC STARTER / DISCONNECT COMBINATION	+60"	6. 7.
—	GROUND FAULT INTERRUPTER FOURPLEX RECEPT	+18" OR AS NOTED	2. 9.	—	VARIABLE FREQUENCY DRIVE	+66"	6.
LIGHTING							
—	CEILING LIGHT FIXTURE	CEILING	1.	—	POWER PACK	ABOVE CEILING	SEE DIAGRAM, SPEC.
—	WALL LIGHT FIXTURE	AS NOTED	1.	—	DIGITAL ROOM CONTROLLER (SUBSCRIPT INDICATES NUMBER OF RELAYS)	ABOVE CEILING	SEE DIAGRAM, SPEC.
—	RECESSED DOWNLIGHT FIXTURE	CEILING	1.	—	EMERGENCY LIGHTING CONTROL UNIT	ABOVE CEILING	SEE DIAGRAM, SPEC.
—	RECESSED WALL-WASH DOWNLIGHT FIXTURE	CEILING	1.	—	THREE-WAY SWITCH	+46"	2. 4.
—	LIGHT FIXTURE	AS NOTED	1.	—	FOUR-WAY SWITCH	+46"	2. 4.
—	EGRESS LIGHT FIXTURE	AS NOTED	1.	—	KEY OPERATED SWITCH	+46"	2. 4.
—	AREA LIGHT POLE AND FIXTURE	CONCRETE BASE	1. SEE DIAGRAM	—	SWITCH WITH PILOT LIGHT	+46"	2. 4.

ABBREVIATIONS INDEX

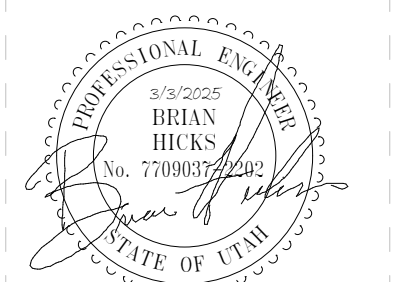
ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
#	NUMBER	GRC	GALVANIZED RIGID CONDUIT	PT	POTENTIAL TRANSFORMER
AC	ALTERNATING CURRENT	HP	HORSE POWER	PVC	POLYVINYL CHLORIDE CONDUIT
A.F.F.	ABOVE FINISH FLOOR	HZ	HERTZ	(R)	RELOCATE
AIC	AMPS INTERRUPTING CAPACITY	IFC	INTERNATIONAL FIRE CODE	RECEP	RECEPTACLE
AM	AMPS METER	IG	ISOLATED GROUND	REQ	REQUIREMENT
AMP	AMPERE	IMC	INTERMEDIATE METALLIC CONDUIT	RLA	RATED LOAD AMPS
ANN	ANNUNCIATOR	IN	INCH	RMP	ROCKY MOUNTAIN POWER
ATS	AUTOMATIC TRANSFER SWITCH	J-BOX	JUNCTION BOX	RMS	ROOT MEAN SQUARE
AUX	AUXILIARY	KV	KILOVOLT	SE	SERVICE ENTRANCE
AWG	AMERICAN WIRE GAUGE	KVA	KILOVOLT AMPERES	SPEC	SPECIFICATIONS
BC	BARE COPPER	KVAR	KILOVAR	SPKR	SPEAKER
BFG	BELOW FINISH GRADE	KW	KILOWATT	SS	SELECTOR SWITCH
C	CONDUIT	LRA	LOCKED ROTOR AMPS	SW	SWITCH
CAB	CABINET	LTG	LIGHTING	SWBD	SWITCHBOARD
CATB	COMMUNITY ANTENNA TELEVISION	MNF	MANUFACTURER	SWGR	SWITCHGEAR
CATV	CABLE TELEVISION	MAX	MAXIMUM	TTB	TELEPHONE TERMINAL BOARD
CKT	CIRCUIT	MB	MAIN BUS	TTC	TELEPHONE TERMINAL CABINET
CLG	CEILING	MCC	MOTOR CONTROL CENTER	TV	TELEVISION
CNTR	CONTRACTOR	MCM	1000 CIRCULAR MILLS	TYP	TYPICAL
C.O.	CONDUIT ONLY	MH	MANHOLE	UG	UNDERGROUND
CRT	COMPUTER TERMINAL	MIC	MICROPHONE	UPS	UNINTERRUPTED POWER SUPPLY
CT	CURRENT TRANSFORMER	MIN	MINIMUM	V	VOLT (KV-KILOVOLT)
CU	COPPER	MTG	MOUNTING	VA/R	VOLT-AMPS/REACTIVE
C/W	COMPLETE WITH	MTR	MOTOR	VM	VOLT METER
DB	DECIBEL	N/A	NOT APPLICABLE	W	WATTS
DC	DIRECT CURRENT	NC	NORMALLY CLOSED	W/	WITH
DWG	DRAWING	NEC	NATIONAL ELECTRICAL CODE	WH	WATTHOUR METER
(E)	EXISTING	NEMA	NATIONAL ELECT. MANUFAC. ASSOC.	W/O	WITHOUT
EC	EMPTY CONDUIT	NFPA	NATIONAL FIRE PROTECTION ASSOC.	WP	WEATHERPROOF
EG	EMERGENCY GENERATOR	N.I.C.	NOT IN CONTRACT	XFMR	TRANSFORMER
EMT	ELECTRICAL METALLIC TUBING	NO	NORMALLY OPENED	XFMR SW	TRANSFER SWITCH
EX	EXPLOSION PROOF	NTS	NOT TO SCALE	XP	EXPLOSION PROOF
FACP	FIRE ALARM CONTROL PANEL	OS & Y	OUTSIDE SCREW & YOKE	1P	SINGLE-PHASE
FC	FOOT CANDLE	PB	PUSHBUTTON	2P	TWO-POLE
FT	FOOT	PF	POWER FACTOR	3P	THREE-POLE
GFI	GROUND FAULT INTERRUPTER	PFR	PHASE FAILURE RELAY	4P	FOUR-POLE
GND	GROUND	PNL	PANEL	Ø	PHASE

SHEET INDEX

E001	ELECTRICAL SYMBOLS, SCHEDULES, NOTES
E002	ELECTRICAL DIAGRAMS
E101	ELECTRICAL SITE PLAN



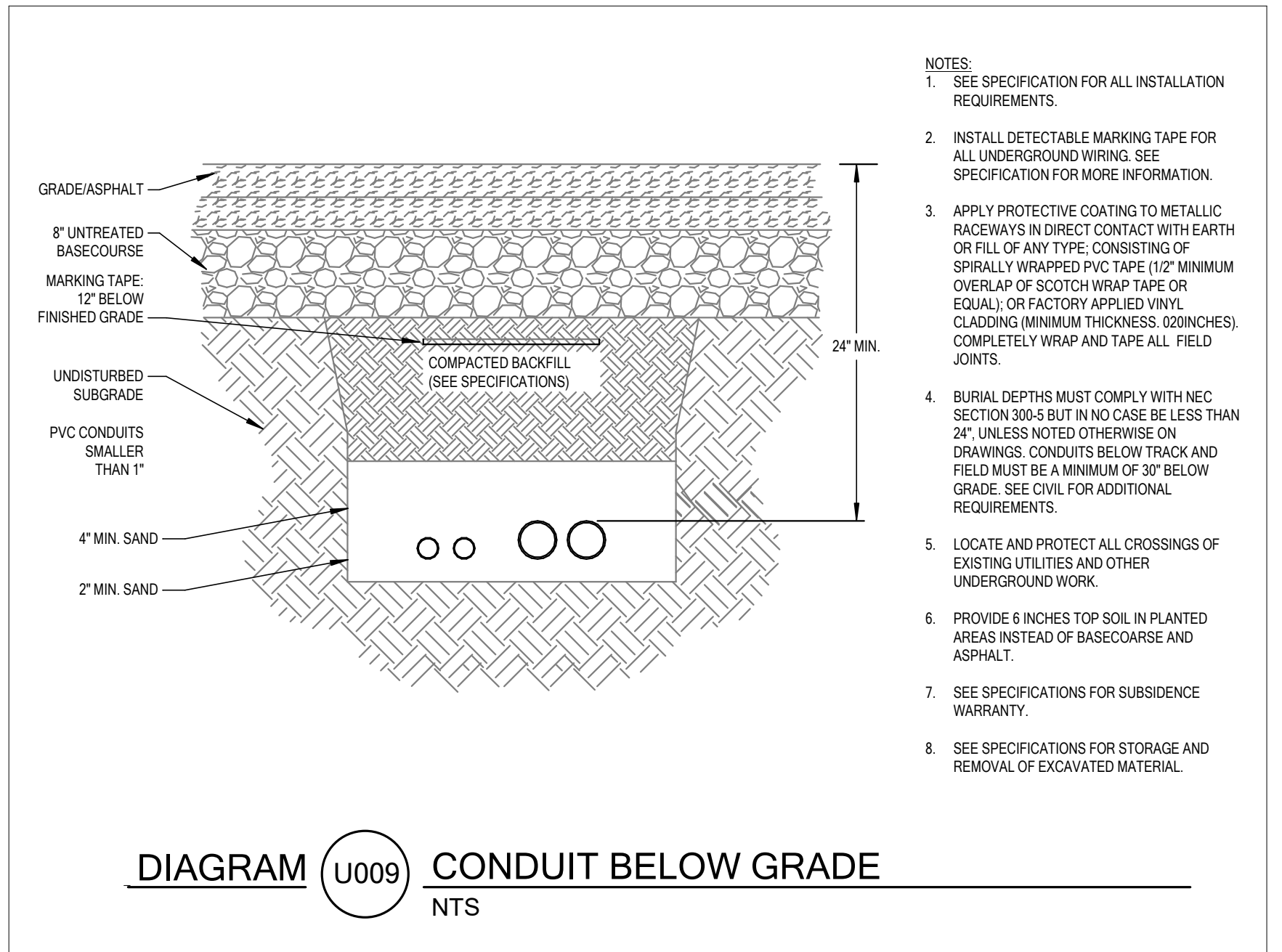
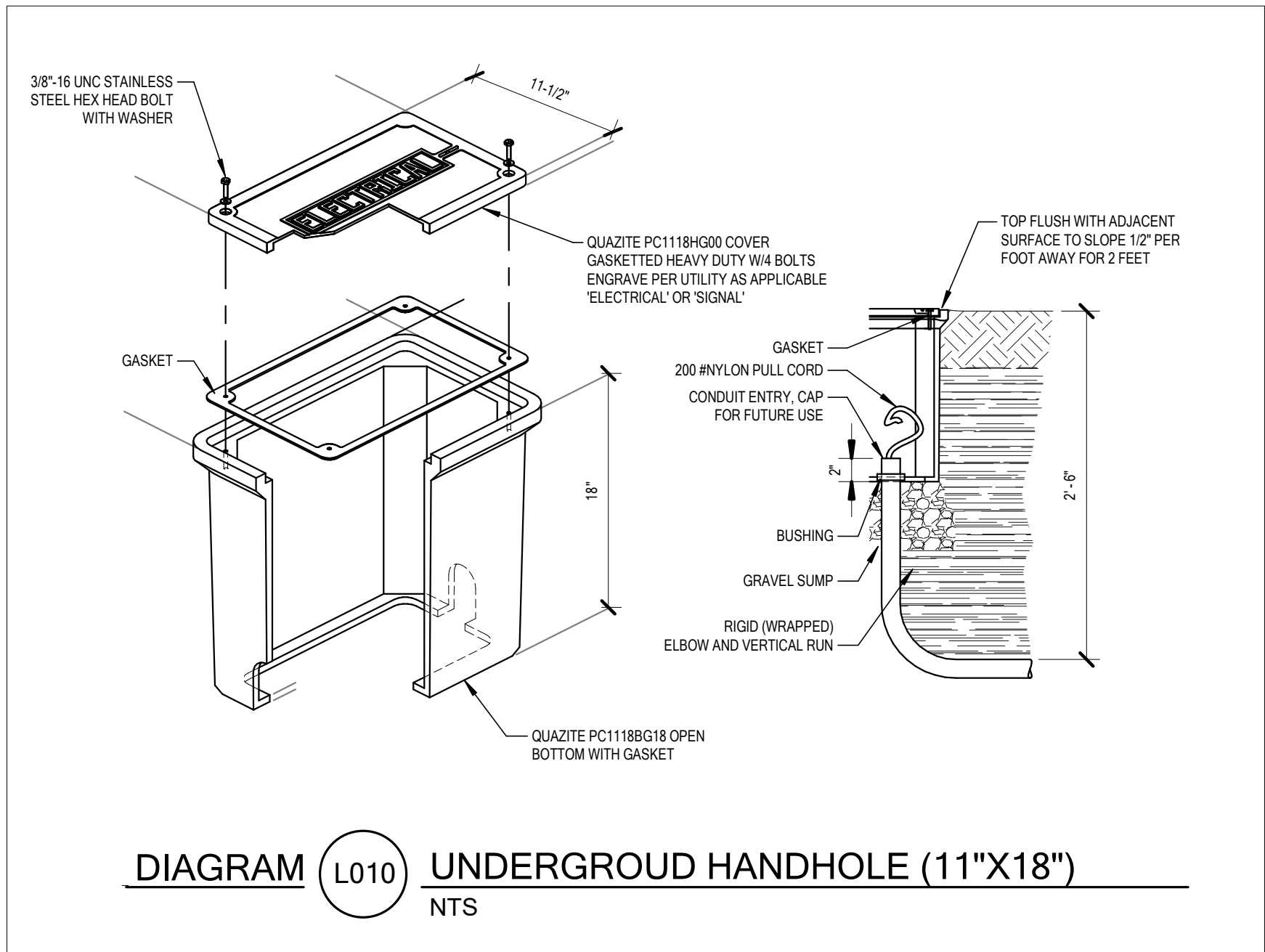
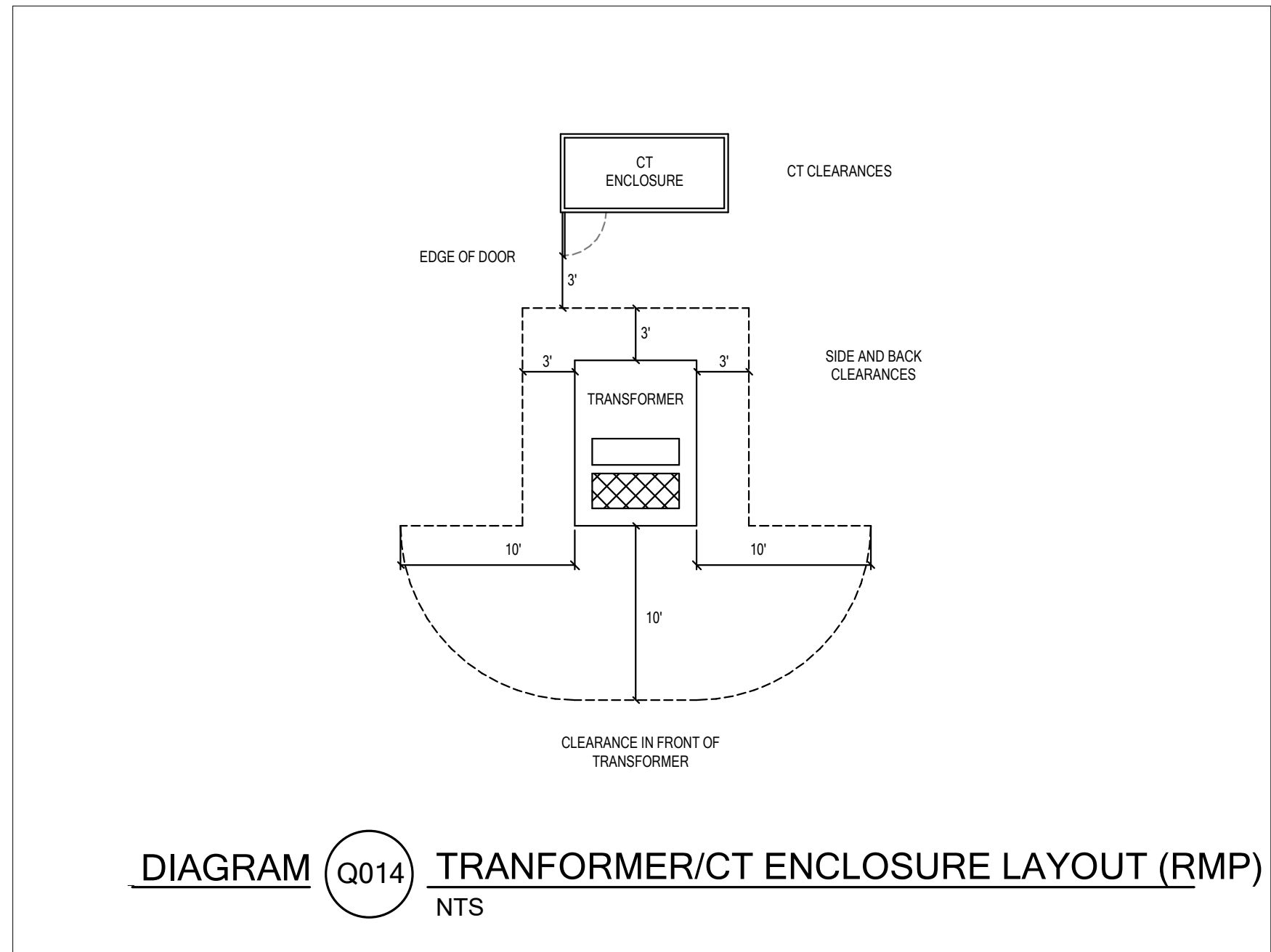
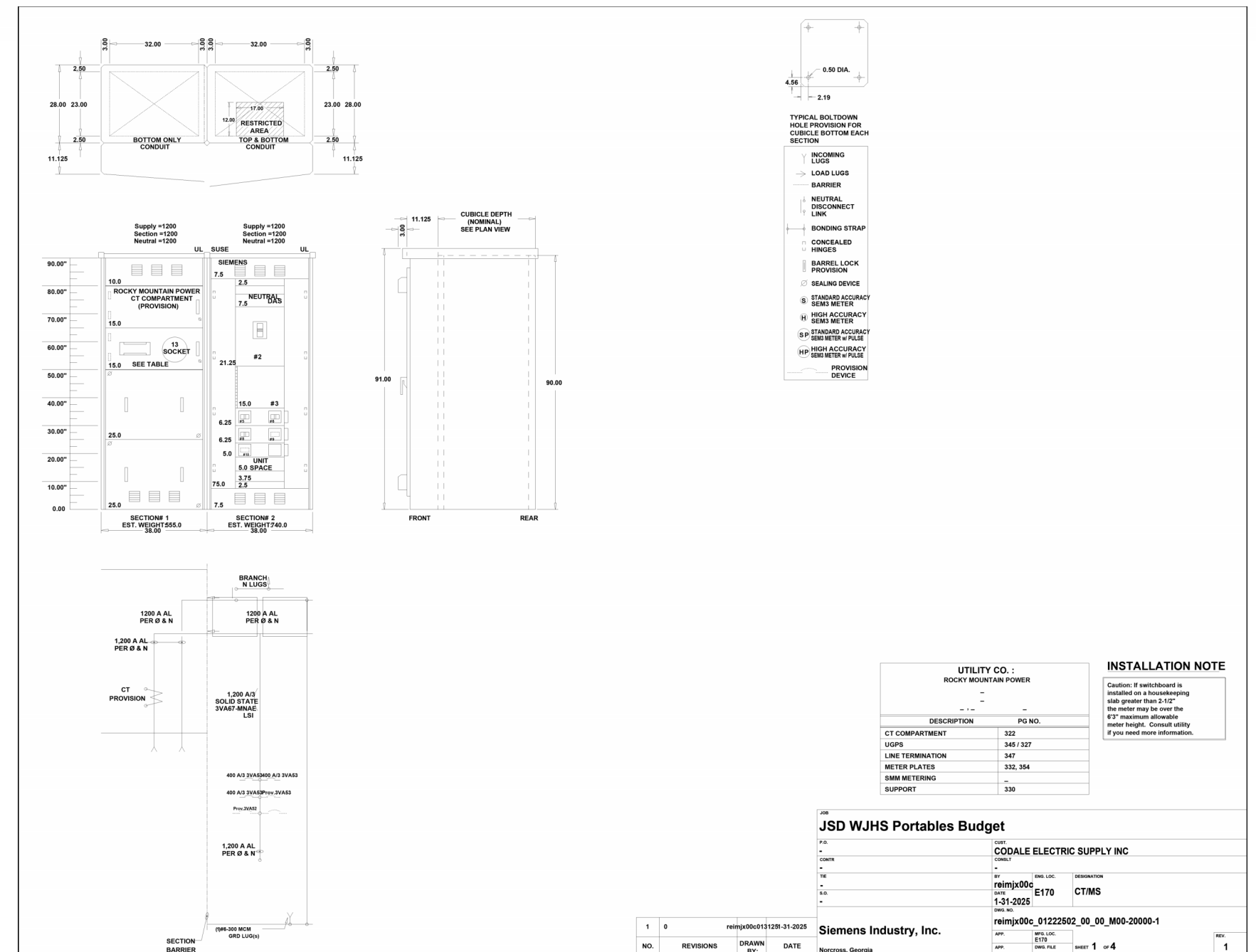
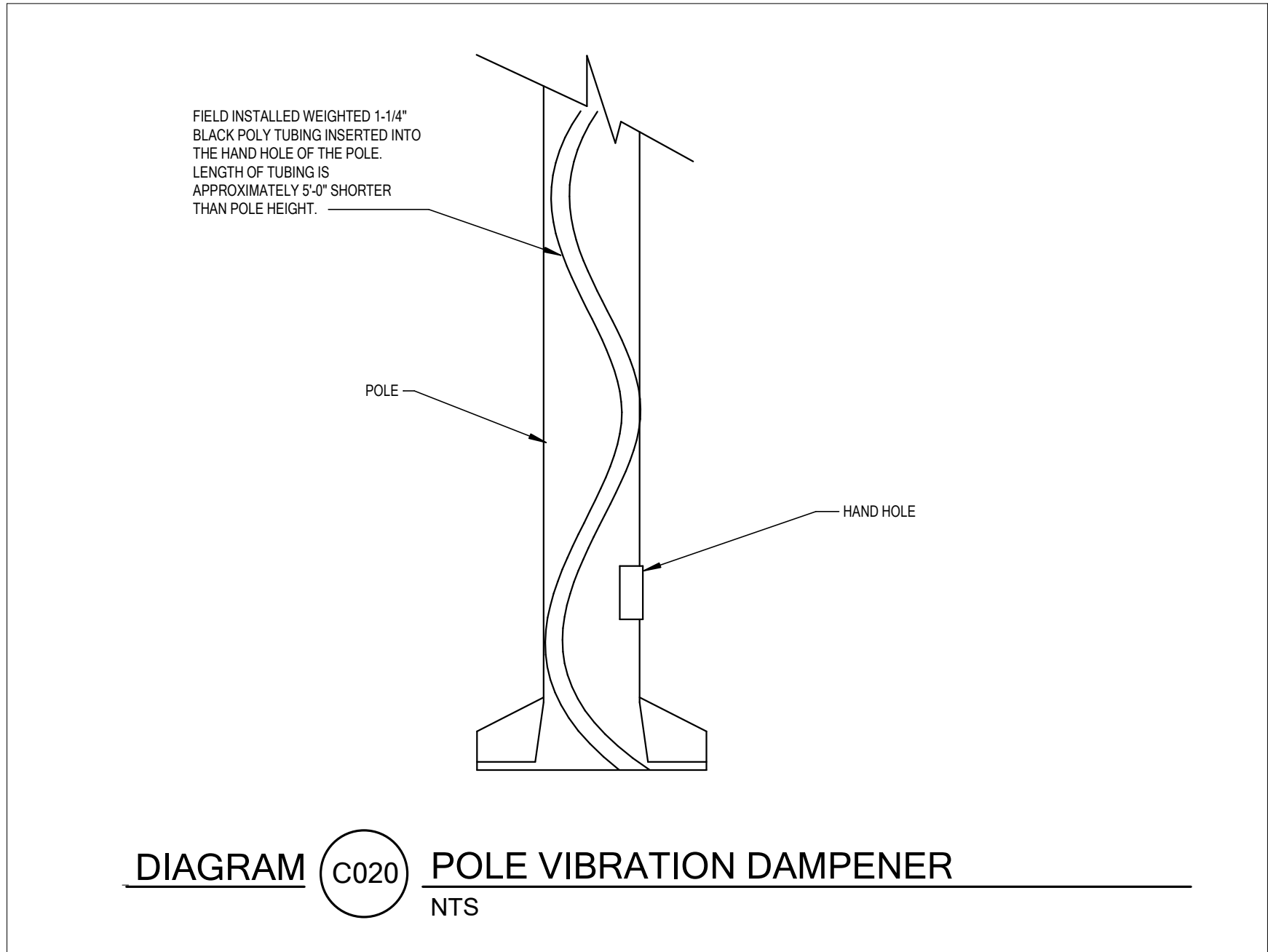
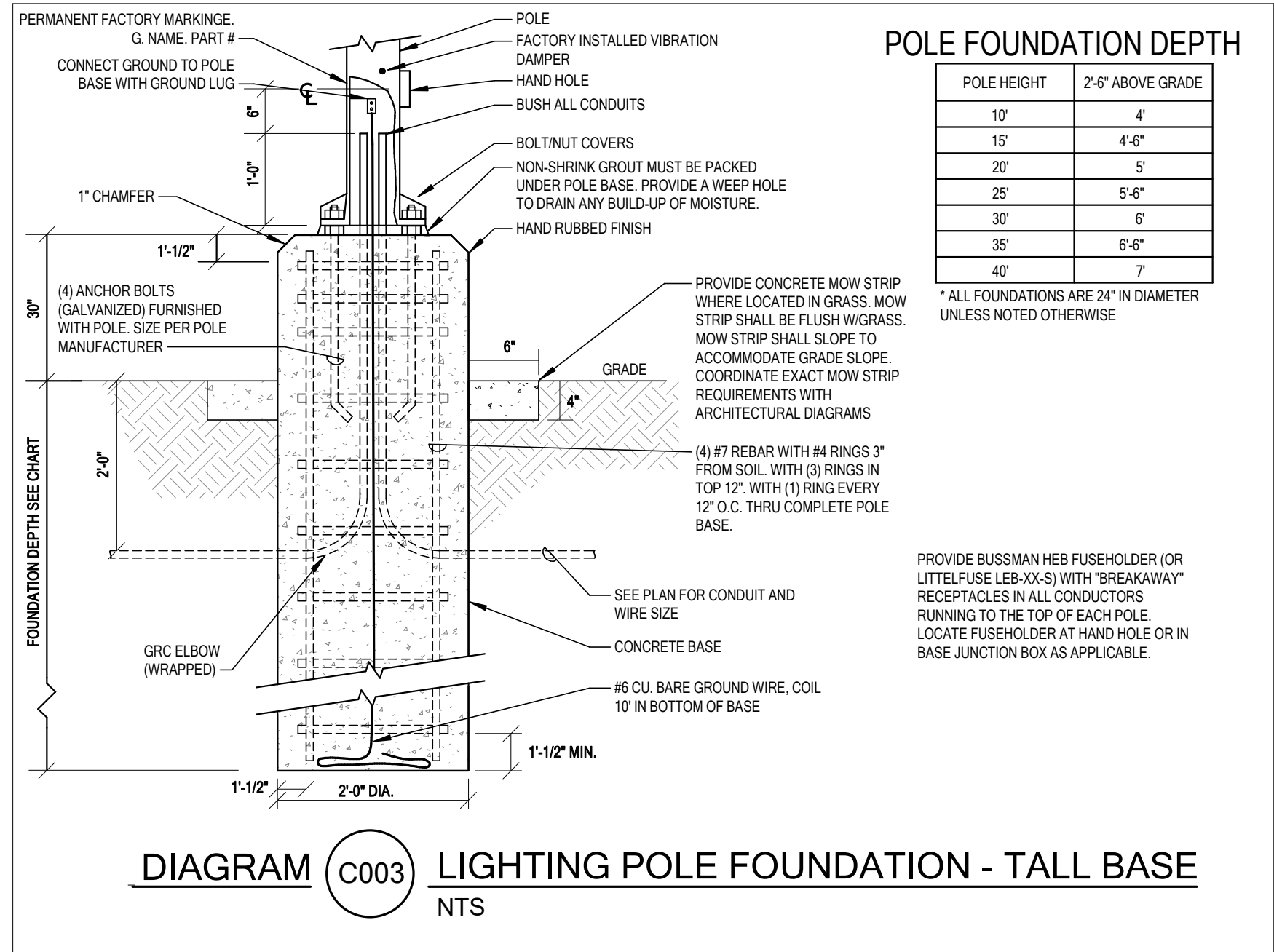
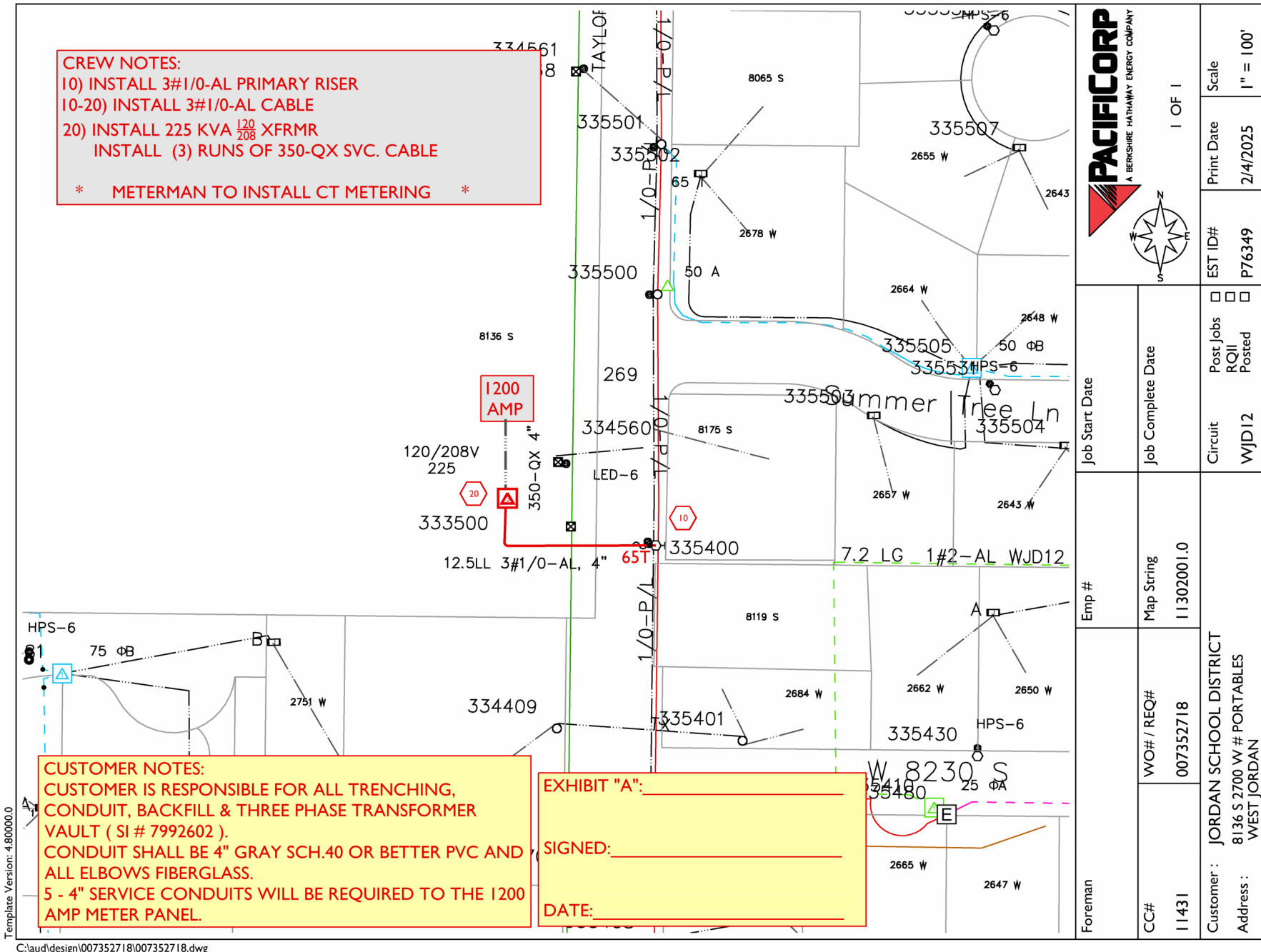
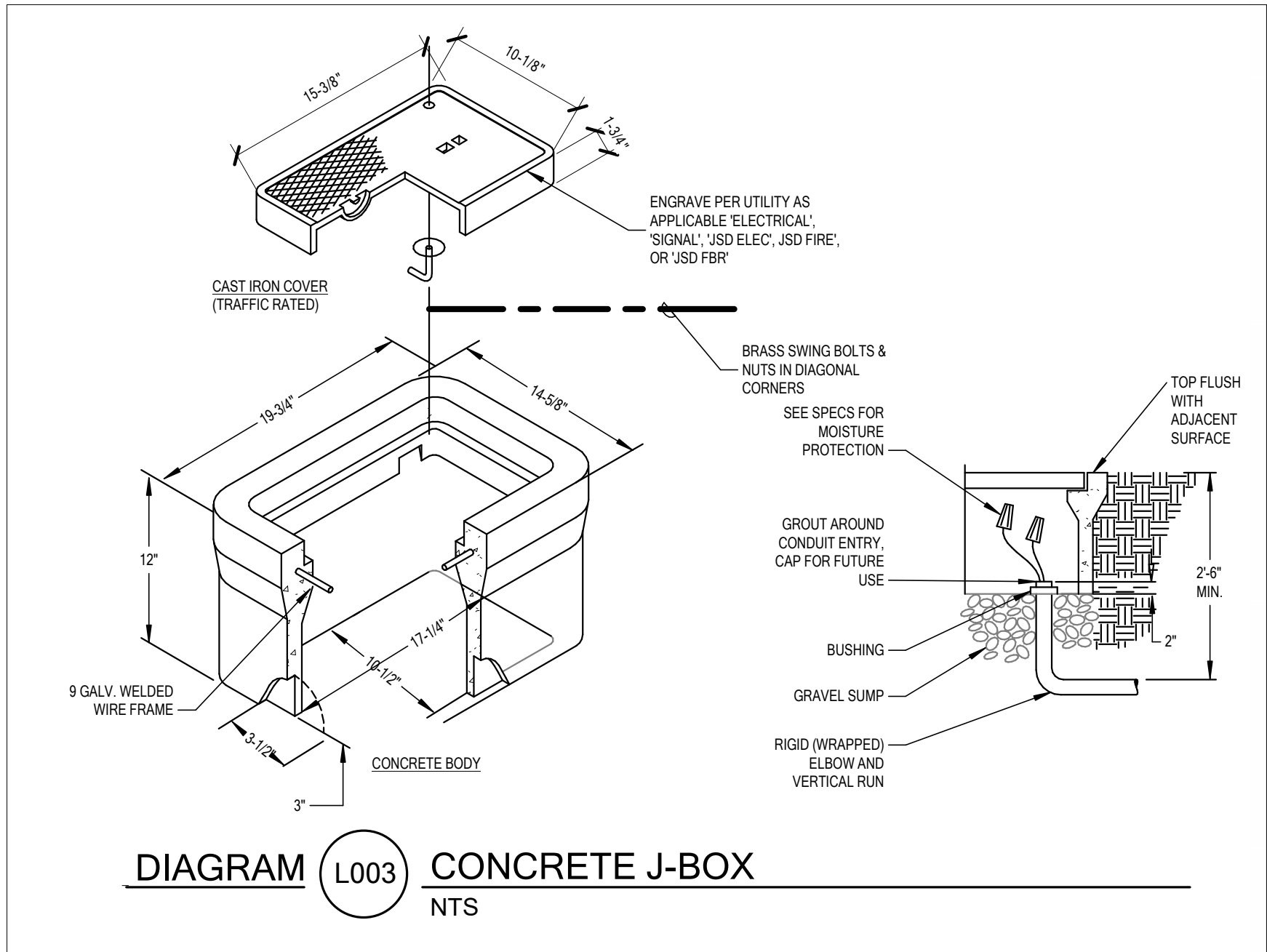
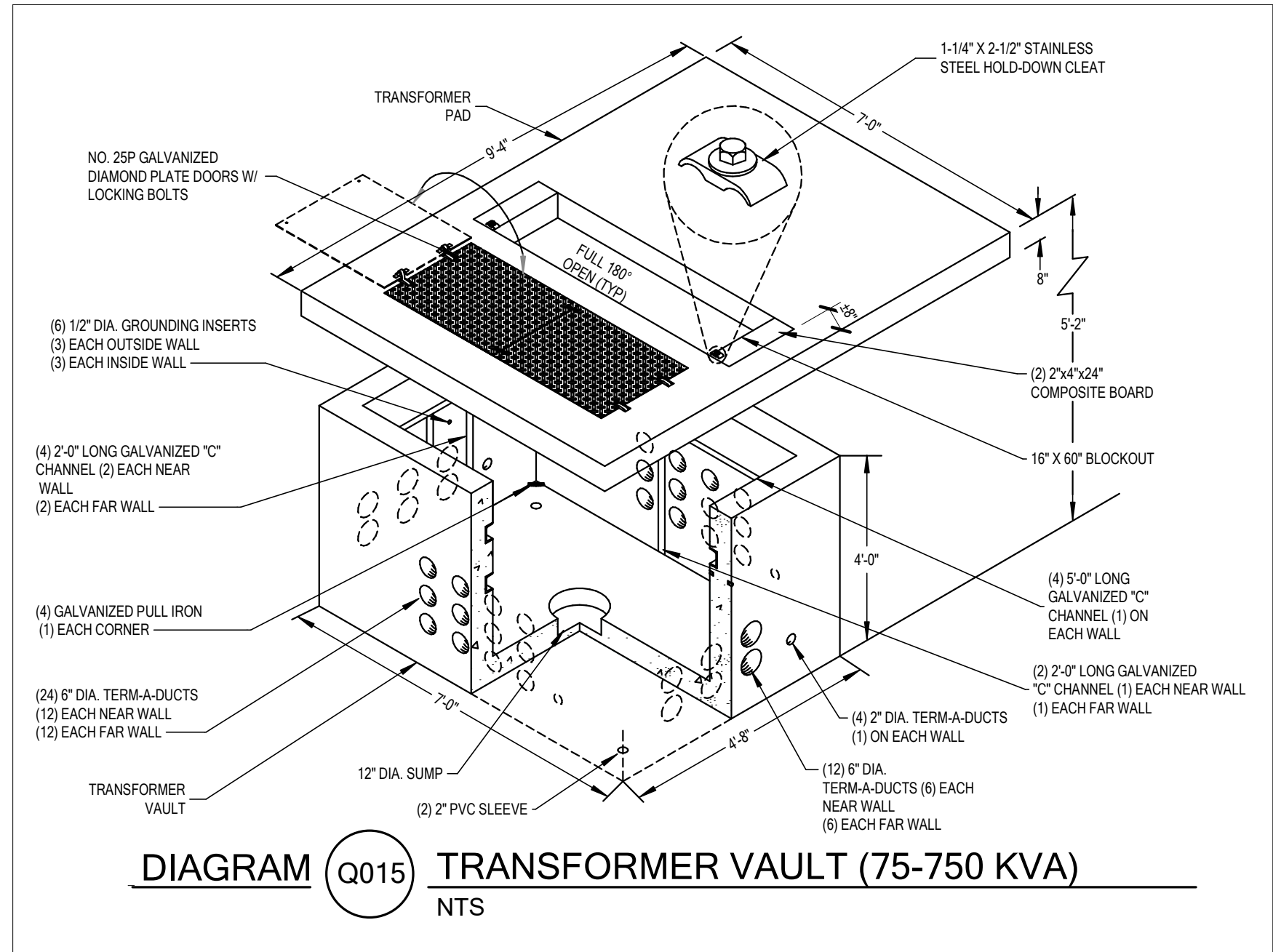
WEST JORDAN HIGH SCHOOL PARKING LOT ADDITION



DATE REVISION

ELECTRICAL SYMBOLS, SCHEDULES, NOTES

E001

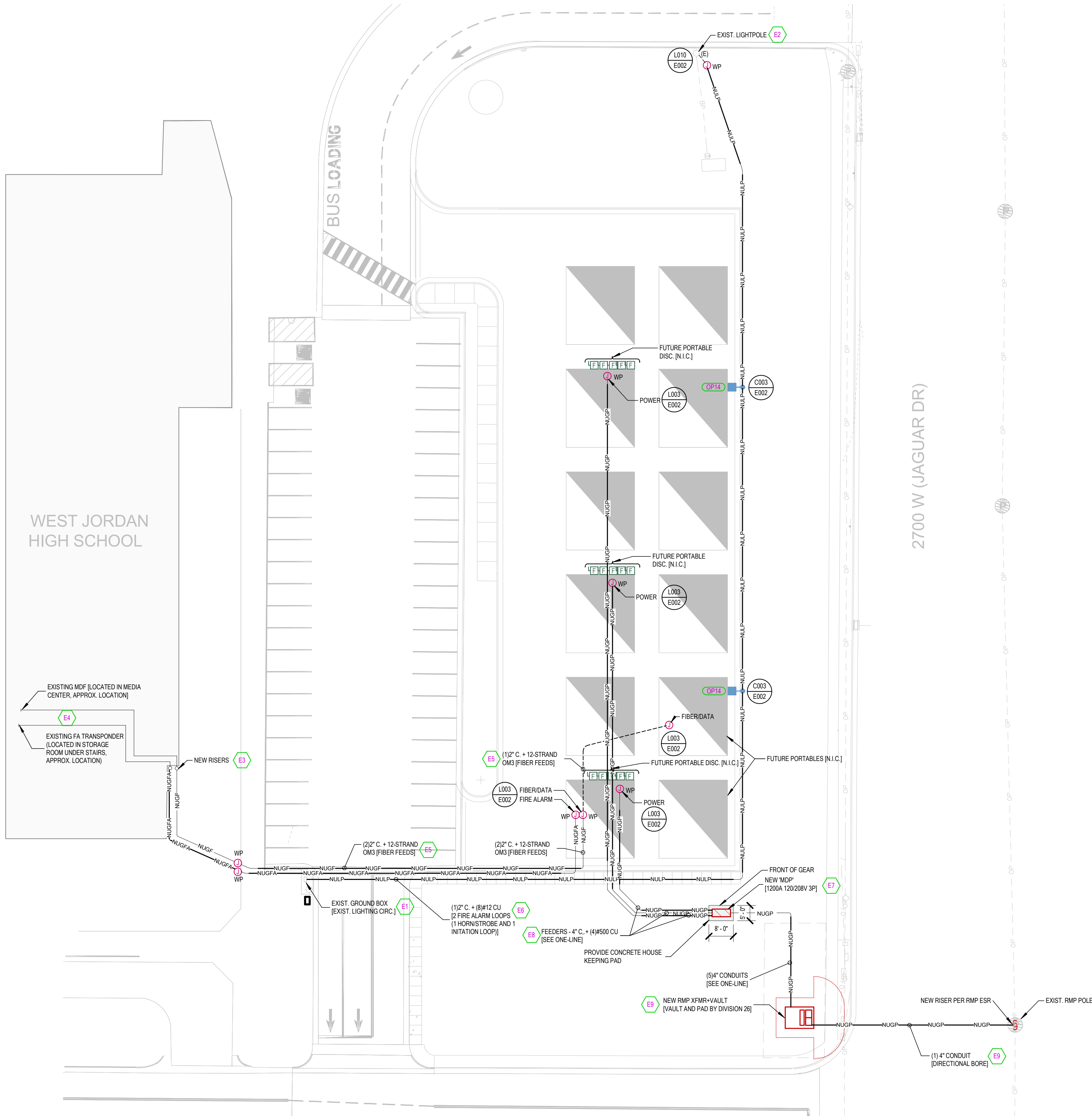


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ELECTRICAL SITE PLAN
SCALE = 1" = 20'-0"

ELECTRICAL SITE UTILITY COORDINATION

ELECTRICAL SITE UTILITY INFORMATION HAS BEEN COORDINATED WITH THE FOLLOWING UTILITY COMPANY REPRESENTATIVES. VERIFY ALL LOCATIONS, DIMENSIONS, CLEARANCES, REGULATIONS, ETC., PRIOR TO INSTALLATION. NOTIFY ENGINEER OF ANY REVISIONS REQUIRED.

POWER COMPANY

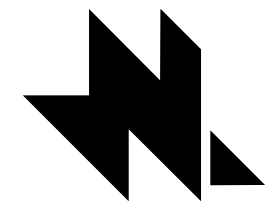
CONTACT	ROCKY MOUNTAIN POWER [RMP]
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WORK ORDER NO.	7352718

GENERAL SITE PLAN NOTES

- DIVISION 26 SHALL VISIT THE SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. BIDDERS SHALL EXAMINE THE SITE AND THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. THEY SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTIONS AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK THEY WILL CONTRACT TO PERFORM. DIVISION 26 SHALL COORDINATE PROJECT PHASING WITH THE GENERAL CONTRACTOR AND BID AND PERFORM RESPONSIBILITIES FOR THIS PROJECT TO CONTRACT EXPECTATIONS.
- MAINTAIN AND PROTECT EXISTING UTILITY SERVICES AND ELECTRIFIED EQUIPMENT FOR EXISTING FACILITIES. COORDINATE REQUIRED DISRUPTION OF THESE SERVICES WITH OWNER PRIOR TO DISCONNECTING. PROVIDE TEMPORARY UTILITY SERVICES TO KEEP FACILITIES IN OPERATION DURING UTILITY RELOCATION INCLUDING BUT NOT LIMITED TO FIRE WATCHES, ELECTRICAL GENERATORS, ETC.
- ANY ELECTRICAL ROUGH-IN, EQUIPMENT AND CONDUIT PATHWAYS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. FINAL ROUTING OF THE CONDUITS, CIRCUITING, AND CABLING SHALL BE DETERMINED BY THE CONTRACTOR.
- DIVISION 26 SHALL BLUE STAKE THE AREA OF NEW CONSTRUCTION PRIOR TO EXCAVATION FOR FOOTINGS, ETC. IDENTIFY BURIED ELECTRICAL SYSTEMS(UTILITIES, POWER, COMMUNICATIONS, ETC.) AND COORDINATE LOCATIONS WITH THE GENERAL CONTRACTOR. IF EXISTING ELECTRICAL SYSTEMS ARE DISTURBED (POWER AUXILIARY, ETC.) E.C. SHALL MAKE NECESSARY REPAIRS (AS APPROVED BY DISTRICT REPRESENTATIVE) AS PART OF THIS CONTRACT.
- CONTRACTOR TO CLOSELY COORDINATE ALL NEW AND EXISTING DEVICE LOCATIONS WITH CIVIL DRAWINGS. CONTRACTOR TO VERIFY ALL FINAL GRADE REQUIREMENTS WITH CIVIL DRAWINGS.
- ELECTRICAL UTILITY SERVICE FROM ROCKY MOUNTAIN POWER (RMP) HAS BEEN GENERALLY COORDINATED AND GENERAL DIRECTION GIVEN HEREIN. DIVISION 26 RESPONSIBLE FOR COMPLETELY COORDINATING THE EXACT PATHWAYS AND REQUIREMENTS WITH RMP PRIOR TO ROUGH-IN. PROVIDE FIBERGLASS LONG RADIUS SWEEPS FOR ALL SFCP CONDUITS. COORDINATE ALL ROUGH-IN AND INSTALLATION REQUIREMENTS WITH LATEST SFCP ELECTRICAL SERVICE REQUIREMENTS AND CONTACT PERSON PROVIDED ON PLAN ALL NEW DEVELOPMENTS WILL BE SERVICED UNDERGROUND. CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL UNDERGROUND CONDUIT, SECONDARY CONDUCTORS, TRANSFORMER PADS, AND SECONDARY BOXES. THE UNDERGROUND ELECTRICAL DISTRIBUTION LAYOUT SHALL BE COMPLETED OR APPROVED BY RMP ENGINEERING DIVISION.
- DIVISION 26 CONTRACTOR AND GENERAL CONTRACTOR (GC) SHALL COORDINATE WITH WEST JORDAN CITY ENGINEERING FOR ENCROACHMENT PERMITS, REACHING OUT TO ROD NIEMANN AT (801) 842-8222 AND MICHAEL PEPPER AT (385) 386-1947 AS NEEDED.
- TRENCHING AND BACKFILL: LOCATE AND PROTECT EXISTING UTILITIES AND OTHER UNDERGROUND WORK IN A MANNER THAT WILL ENSURE THAT NO DAMAGE OR SERVICE INTERRUPTIONS WILL RESULT FROM EXCAVATING AND BACKFILLING. PERFORM EXCAVATION IN A MANNER THAT PROTECTS WALLS, FOOTINGS, AND OTHER STRUCTURAL MEMBERS FROM BEING DISTURBED OR DAMAGED IN ANY WAY. BURIAL DEPTHS MUST COMPLY WITH NEC SECTION 300-5 (OR STATE OF UTAH REQUIREMENTS, WHICHEVER IS MORE STRINGENT), UNLESS NOTED OTHERWISE. PATCH AND REPAIR ROADS, PARKING AREAS, SIDEWALKS, CURBS, OTHER PAVED AREAS, PLANTING AND ANY OTHER DISTURBED AREAS CAUSED BY THE ELECTRICAL CONTRACTOR DURING CONSTRUCTION.
- BORING, TRENCHING, ASPHALT CUTTING AND PATCHWORK BY DIVISION 26. ANY CONCRETE THAT NEEDS TO BE REMOVED TO COMPLETE WORK WILL BE THE RESPONSIBILITY OF DIVISION 26. SCHEDULING OF THE TRENCHING SHALL BE COORDINATED WITH OTHER TRADES AND APPROVED BY THE OWNER.
- CABLE RUNS SHALL BE MARKED WITH RED PLASTIC MARKING TAPE INSTALLED IN THE TRENCH ONE FOOT BELOW SURFACE. BACKFILL SHALL BE FREE OF ROCKS AND OTHER OBJECTS WHICH MIGHT DAMAGE THE CABLE.
- TRENCHING, ASPHALT CUTTING AND PATCHWORK BY DIVISION 26. ANY CONCRETE THAT NEEDS TO BE REMOVED TO COMPLETE WORK WILL BE THE RESPONSIBILITY OF DIVISION 26. SCHEDULING OF THE TRENCHING AND INSTALLATION OF CABLE SHALL BE COORDINATED WITH OTHER TRADES AND APPROVED BY THE OWNER.
- INSPECT ALL CONDUIT(S) WITH CAMERA TO CONFIRM THAT CONDUIT(S) HAVE NOT BEEN CRUSHED OR BROKEN. CAP OPEN ENDS OF CONDUITS AND INSTALL A 200 LB. NYLON PULL CORD IN EACH EMPTY CONDUIT RUN.
- PROVIDE PLANS, PHOTO DOCUMENTATION AND GPS COORDINATES INDICATING THE LOCATION OF ANY AND ALL CONDUITS INTENDED FOR FUTURE USE BY OWNER. SUBMIT DOCUMENTATION WITH O&Ms.
- VERIFY LOCATION OF LIGHT POLES WITH THE OWNER AND ARCHITECT PRIOR TO ROUGH-IN. PROVIDE HAND-RUBBED FINISHES FOR ALL SITE POLES. REFER TO DIAGRAM C003E102 FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO PROVIDE PULL BOXES AS REQUIRED PER NEC AND NECESSARY TO PROVIDE SUCCESSFUL CABLE PULLS.
- PROVIDE TEMPORARY POWER FOR PROJECT AS REQUIRED BY GENERAL CONTRACTOR.
- LABEL ALL ELECTRICAL GEAR WITH BOTH CONSTRUCTION DRAWING-ROOM #S AND FINAL CONSUMER ROOM #S.

SHEET KEYNOTES

- EXISTING UNDERGROUND ELECTRICAL J-BOX UTILIZED FOR PARKING LOT LIGHTING BRANCH CIRCUIT(S). UTILIZE EXISTING BOX TO PROVIDE NEW PATHWAY AND CONDUITORS TO NEW LIGHT POLES AS SHOWN ON PLANS. SPLICE INTO EXISTING LIGHTING CIRCUITRY AS REQUIRED AND PROVIDE CU CONDUCTORS THAT MATCH EXISTING WIRING (MINIMUM #8 CU, THWN, VERIFY VOLTAGE). PROVIDE MOISTURE PROTECTION AT NEW TERMINATIONS PER SPECIFICATIONS.
- EXISTING LIGHT POLE IS CURRENTLY BEING FED BY NEARBY MARQUEE SIGN. DISCONNECT LIGHT POLE FROM EXISTING MARQUEE SIGN AS REQUIRED. PROVIDE NEW UNDERGROUND ELECTRICAL J-BOX WITHIN AVAILABLE GRID SPACES AND INTERCEPT EXISTING CONDUIT SERVING LIGHT POLE AND REROUTE THROUGH NEW J-BOX ACCORDINGLY. WIRE POLE INTO NEW LIGHTING POLE CIRCUITRY AS SHOWN. REWORK TERMINATIONS AT EXISTING LIGHT POLE AND ENSURE PROPER ON/OFF OPERATION WITH NEW LIGHT POLES. PROVIDE MOISTURE PROTECTION AT NEW TERMINATIONS PER SPECIFICATIONS.
- PROVIDE NEW CONDUIT PATHWAYS/FIRE ALARM CONDUCTORS, AND FIBER CABLING AS AS INDICATED. GROUP CONDUITS AS REQUIRED TO MINIMIZE CONDUITS ALONG EXISTING WALL. TRENCH THROUGH AREA SLATED FOR CONCRETE DEMO AND LANDSCAPING AS REQUIRED. RISE UP WITH CONDUITS NEAT AND TIGHT ONTO THE BUILDING UTILIZING RIGID CONDUIT BODIES. PAINT NEW AND EXISTING CONDUITS TO MATCH EXTERIOR.
- ROUTE CONDUITS THROUGH EXISTING CEILING TO SYSTEM CONNECTIONS AS REQUIRED. CONTRACTOR IS TO PROJECT IN PLACE ALL MECHANICAL, PLUMBING, AND ELECTRICAL ABOVE CEILINGS. ROUTE NEW ELECTRICAL CONDUITS THROUGH EXISTING CEILINGS AS REQUIRED. FINAL PATHWAY AND ROUTE COORDINATED BY EC. SUPPORT NEW CONDUITS PER SPECIFICATIONS AND OWNER'S REQUIREMENTS.
- PROVIDE (2) 12-STRAND OM3 CIRCUITS FROM THE EXISTING MAIN BUILDING MDF TO UNDERGROUND J-BOXES AS SHOWN. PROVIDE 50' SERVICE LOOP AT UNDERGROUND J-BOXES AND TERMINATE FIBER STRANDS AT MDF PER SPECIFICATIONS AND OWNER'S REQUIREMENTS. PROVIDE AN LC FIBER PATCH PANEL AND INSTALL ACCORDINGLY. COORDINATE FIBER LOCATION OF UNDERGROUND J-BOXES WITH OWNER PRIOR TO ROUGH-IN AND AVOID FUTURE PORTABLE STRUCTURAL ELEMENTS.
- PROVIDE FIRE ALARM CIRCUIT CONDUITS FROM THE EXISTING GAMEWELL FCI TRANSPODER TO UNDERGROUND J-BOXES AS SHOWN. PROVIDE 50' SERVICE LOOP AT UNDERGROUND J-BOXES AND TERMINATE CONDUCTORS AT EXISTING TRANSPODER PER SPECIFICATIONS. PROVIDE NEW MONITOR MODULES AND FIRE ALARM EQUIPMENT AS REQUIRED. COORDINATE FINAL LOCATION OF UNDERGROUND J-BOXES WITH OWNER PRIOR TO ROUGH-IN WHILE AVOID FUTURE PORTABLE STRUCTURAL ELEMENTS.
- OWNER PURCHASED SWITCHBOARD TO BE RECEIVED AND INSTALLED BY DIVISION 26 CONTRACTOR. PROVIDE FEEDERS AND SUPPORTING UNDERGROUND ELECTRICAL INFRASTRUCTURE AS SHOWN. COORDINATE HOUSEKEEPING PAD AND LOCATION WITH CIVIL DRAWINGS AND GC PRIOR TO ROUGH-IN.
- PROVIDE FEEDERS BETWEEN NEW SWITCHBOARD/BREAKERS AND UNDERGROUND J-BOXES AS SHOWN. PROVIDE 10' SERVICE LOOP AT UNDERGROUND J-BOXES AND TERMINATE CONDUCTORS AT SWITCHBOARD OCPD AS REQUIRED.
- DIVISION 26 CONTRACTOR SHALL DIRECTIONAL BORE 4" CONDUIT ACROSS 2700 W TO ESTABLISH A NEW ELECTRICAL UTILITY SERVICE FROM THE EXISTING ROCKY MOUNTAIN POWER (RMP) POLE. PROVIDE A NEW RISER AND COMPLETE ALL CONDUIT ROUGH-IN PER RMP ELECTRICAL SERVICE REQUIREMENTS (ESR). INSTALL A NEW TRANSFORMER VAULT WITHIN THE RMP EASEMENT AS SHOWN ON PLANS, AND PROVIDE TERMINATION OF PRIMARY AND SECONDARY CONDUITS BETWEEN THE POLE, TRANSFORMER VAULT, AND NEW SWITCHBOARD ACCORDING TO PROJECT SPECIFICATIONS.
 - DIVISION 26 CONTRACTOR AND GENERAL CONTRACTOR (GC) SHALL COORDINATE WITH WEST JORDAN CITY ENGINEERING FOR ENCROACHMENT PERMITS, REACHING OUT TO ROD NIEMANN AT (801) 842-8222 AND MICHAEL PEPPER AT (385) 386-1947 AS NEEDED.
 - DIVISION 26 IS RESPONSIBLE FOR ALL TRENCHING, CONDUIT INSTALLATION, BACKFILL, AND THREE-PHASE TRANSFORMER VAULT (SI # 7992602). CONDUIT SHALL BE 4" GRAY SCHEDULE 40 PVC OR BETTER, WITH FIBERGLASS ELBOWS UTILIZED AT ALL BENDS. A TOTAL OF 5'-4" SERVICE CONDUITS SHALL BE INSTALLED TO THE 1200 AMP METER PANEL AS SPECIFIED IN THE DESIGN DOCUMENTS.
 - ALL WORK SHALL COMPLY WITH LOCAL CODES, RMP STANDARDS, AND PROJECT PLANS, ENSURING PROPER COORDINATION WITH ALL STAKEHOLDERS TO MAINTAIN PROJECT TIMELINES AND MINIMIZE DISRUPTIONS.



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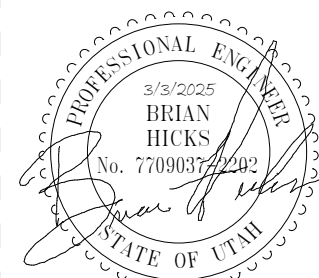
SALT LAKE CITY, UTAH

WEST JORDAN HIGH SCHOOL PARKING LOT ADDITION

8136 SOUTH 2700 WEST
WEST JORDAN, UTAH

Project Status: CONSTRUCTION DOCUMENT
Issue Date: 3/3/2025
Project Number: 18FA18A JOB # 25015

DRAWING ISSUE
ISSUE DATE
NWL PROJECT



DATE REVISION

ELECTRICAL SITE
PLAN

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