

ELECTRIC VEHICLE CHARGING
PROGRAM
16915 31ST AVE S,
SEATAC, WA 98188

[illegible]

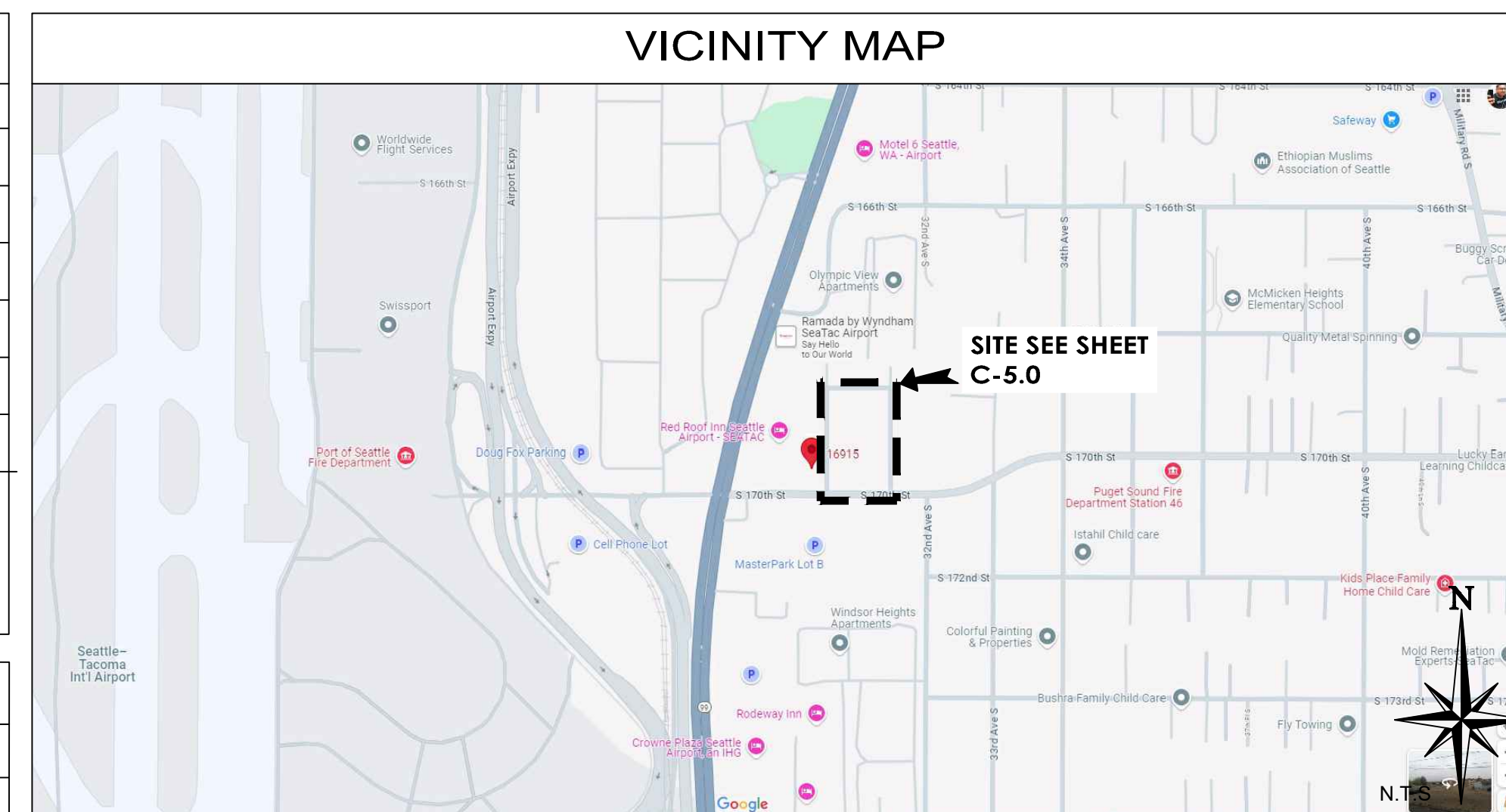
PROJECT DATA	
PROJECT APN:	807680-0040 & 807680-0045
PROJECT ADDRESS:	16915 & 16921 31ST AVE S, SEATAC, WA 98188
PROPERTY OWNER:	DHANOA, JOGINDER S.
COUNTY:	KING
CROSS STREETS:	SOUTH 170TH STREET 31ST AVENUE SOUTH
bp pulse NAME:	SEA2 EV HUB
PROJECT DESCRIPTION:	
<p>APPLICANT IS PROPOSING THE DEVELOPMENT OF AN ELECTRIC VEHICLE CHARGING FACILITY AT THE VACANT SITE LOCATED AT 16915 & 16921 31ST AVE S, SEATAC, WA 98188. THE PROPOSED ELECTRIC VEHICLE CHARGING FACILITY WILL INCLUDE THE INSTALLATION OF TWELVE (12) CHARGING DISPENSERS SERVING 24 EV PARKING STALLS, ONE OF WHICH WILL BE AN ADA VAN ACCESSIBLE EV CHARGING STALL AND ONE STANDARD ADA CHARGING STALL. IN ADDITION, THE PROPOSED DEVELOPMENT WILL INCLUDE AN ELECTRICAL EQUIPMENT YARD TO PROVIDE ELECTRICAL SERVICE TO THE EV CHARGERS, CANOPIES OVER THE EV CHARGING STALLS AND A PROPOSED RETAINING WALL.</p>	

PROJECT TEAM		
bp pulse	ADDRESS:	PHONE:
bp pulse PROJECT MANAGER: FARHAN BASSIM, PROJECT MANAGER	30 S. WACKER DRIVE, SUITE 900 CHICAGO, IL 60606	628-283-9141
CORE STATES ENERGY - ENGINEERING		
CIVIL ENGINEER: ALEX WHITE	CORE STATES GROUP 4240 EAST JURUPA ST.	(909) 467-8907
ELECTRICAL ENGINEER: ADAM MUELLER, PE	SUITE 402 ONTARIO, CA 91761	
STRUCTURAL ENGINEER: CAREL STEVENSON, PE		

<h2 style="text-align: center;">APPLICABLE CODES</h2> <p>ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:</p> <p>2023 NATIONAL ELECTRICAL CODE WITH WASHINGTON STATES AMENDMENTS</p> <p>2021 WASHINGTON STATE BUILDING CODE</p> <p>2021 WASHINGTON STATE ELECTRICAL CODE</p> <p>2021 WASHINGTON STATE MECHANICAL CODE</p> <p>2021 WASHINGTON STATE PLUMBING CODE</p> <p>2021 WASHINGTON STATE FIRE CODE</p> <p>2021 WASHINGTON STATE ENERGY CODE</p> <p>IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL</p>	
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UTILITY INFORMATION	
ELECTRICAL UTILITY: PUGET SOUND ENERGY	

<h2 style="text-align: center;">FLOOD_ZONE</h2> <p>THIS PARCEL OF LAND IS CLASSIFIED TO BE "ZONE X" (AREA OF MINIMAL FLOOD HAZARD). FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 53033C0960G, EFFECTIVE DATE OF AUGUST 19, 2020.</p>	
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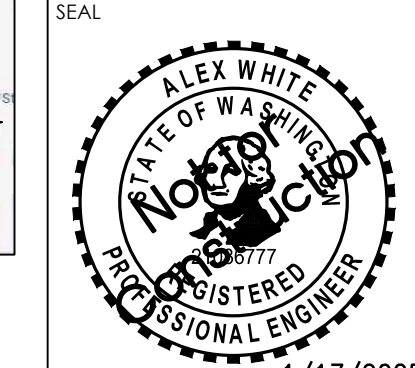
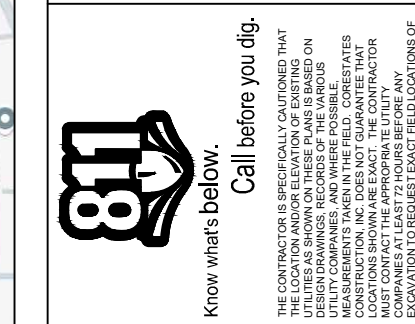


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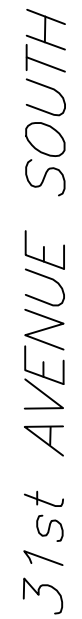
CORE STATES

ENERGY

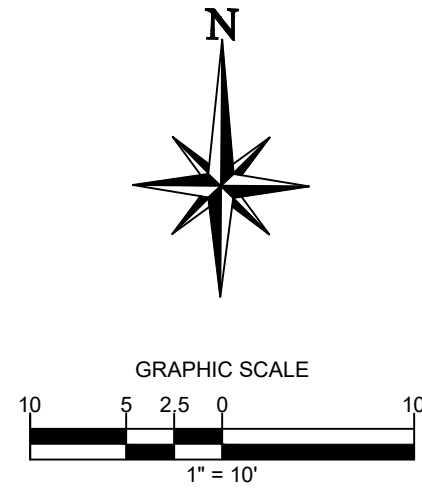
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AMWHITE@BARGHAUSEN.COM

[illegible]

SHEET TITLE
COVER SHEET
SHEET NUMBER
C-0.0



C-4.0



- A. PROPOSED ALPITRONIC DISPENSER (TYP.).
- B. PROPOSED CONCRETE WALKWAY.
- C. PROPOSED DISPENSER BOLLARD.
- D. PROPOSED SWITCHGEAR PER ELECTRICAL.
- E. PROPOSED STEP-DOWN TRANSFORMER PER ELECTRICAL.
- F. PROPOSED TRANSFORMER (SIZE TO BE DETERMINED) PER ELECTRICAL.
- G. PROPOSED AUXILIARY PANEL MOUNTED ON H-FRAME.
- H. PROPOSED SITE CONTROLLER MOUNTED ON H-FRAME.
- I. PROPOSED COMMUNICATIONS CABINET.
- J. PROPOSED CONCRETE EQUIPMENT PAD.
- K. PROPOSED ACCESSIBLE SIGN (TYP. OF 2).
- L. PROPOSED LANDSCAPE (TYP.).
- M. PROPOSED FREESTANDING SIGN.
- N. PROPOSED CONCRETE CURB.
- O. PROPOSED ACCESSIBLE PARKING STALL.
- P. PROPOSED ASPHALT PAVEMENT.
- Q. PROPOSED DETECTABLE WARNING DEVICE.
- R. PROPOSED RETAINING WALL.
- S. PROPOSED DIRECTIONAL STRIPING (TYP.).
- T. PROPOSED ADA ACCESSIBLE PATH.
- U. PROPOSED EV CHARGING SPACE (TYP.).
- V. PROPOSED CONCRETE DRIVEWAY APRON.
- W. PROPOSED STOP BAR.
- X. PROPOSED STOP SIGN.
- Y. PROPOSED CANOPY COLUMN (TYP.).
- Z. PROPOSED DISPENSER CANOPY WITH ACP FASCIA SIGN. TO BE MOUNTED DIRECTLY ONTO CANOPY FASCIA.
- AA. PROPOSED RETAINING CURB. HEIGHT PER GRADING PLAN.
- AB. PROPOSED V-GUTTER.
- AC. PROPOSED CURB AND GUTTER.
- AD. PROPOSED TRENCH DRAIN
- AE. PROPOSED DEPRESSED "ZERO" RIBBON CURB.
- AF. PROPOSED CONCRETE
- AG. PROPOSED 3' TRANSITION TO DEPRESSED CURB
- AH. PROPOSED CONCRETE WALK WITH INTEGRATED RETAINING WALL.
- AI. PROPOSED PRECAST TRANSFORMER CONCRETE PAD.
- AJ. PROPOSED 2' STOP PER ELECTRICAL DRAWINGS
- AK. PROPOSED 2' WIDE RIPRAP SWALE WITH 5' MEDIAN STONE
- AL. PROPOSED ELECTRICAL JUNCTION BOX PER ELECTRICAL DRAWINGS.

	ADJACENT PROPERTY LINE
	EXISTING PROPERTY BOUNDARY LINE
	EXISTING TELECOM LINE
	EXISTING OVERHEAD LINE
	EXISTING STORM LINE
	EXISTING SEWER LINE
	EXISTING GAS LINE
	EXISTING CURB
	EXISTING CATCH BASIN
	EXISTING FIRE HYDRANT
	PROPOSED RETAINING WALL
	PROPOSED WALL FOOTING
	PROPOSED CURB
	PROPOSED CANOPY OVERHANG
	PROPOSED FLOW LINE
	PROPOSED STORM STRUCTURES
	PROPOSED LIGHT POST
	PROPOSED CONCRETE SIDEWALK
	PROPOSED ASPHALT
	PROPOSED LANDSCAPE
	PROPOSED GRAVEL

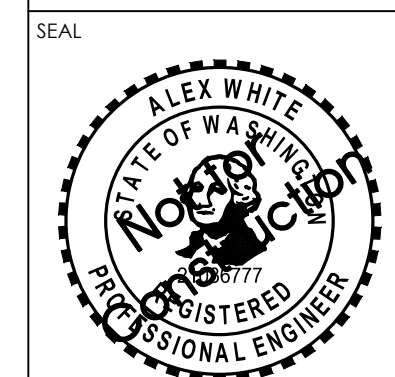
ACCESSIBLE EV PARKING STALLS	1
VAN ACCESSIBLE PARKING STALLS	1
TOTAL EV STALLS (NON-ACCESSIBLE)	22
TOTAL EV PARKING STALLS	24
TOTAL AREA OF EQUIPMENT, SQ. FT	1100
TOTAL AREA OF PROPOSED SITE, SQ FT	19651

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ENERGY

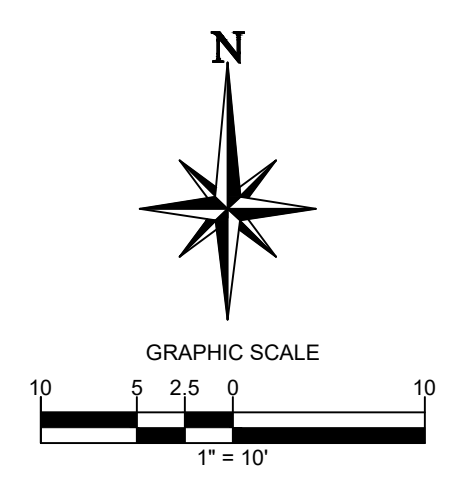
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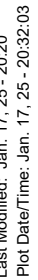
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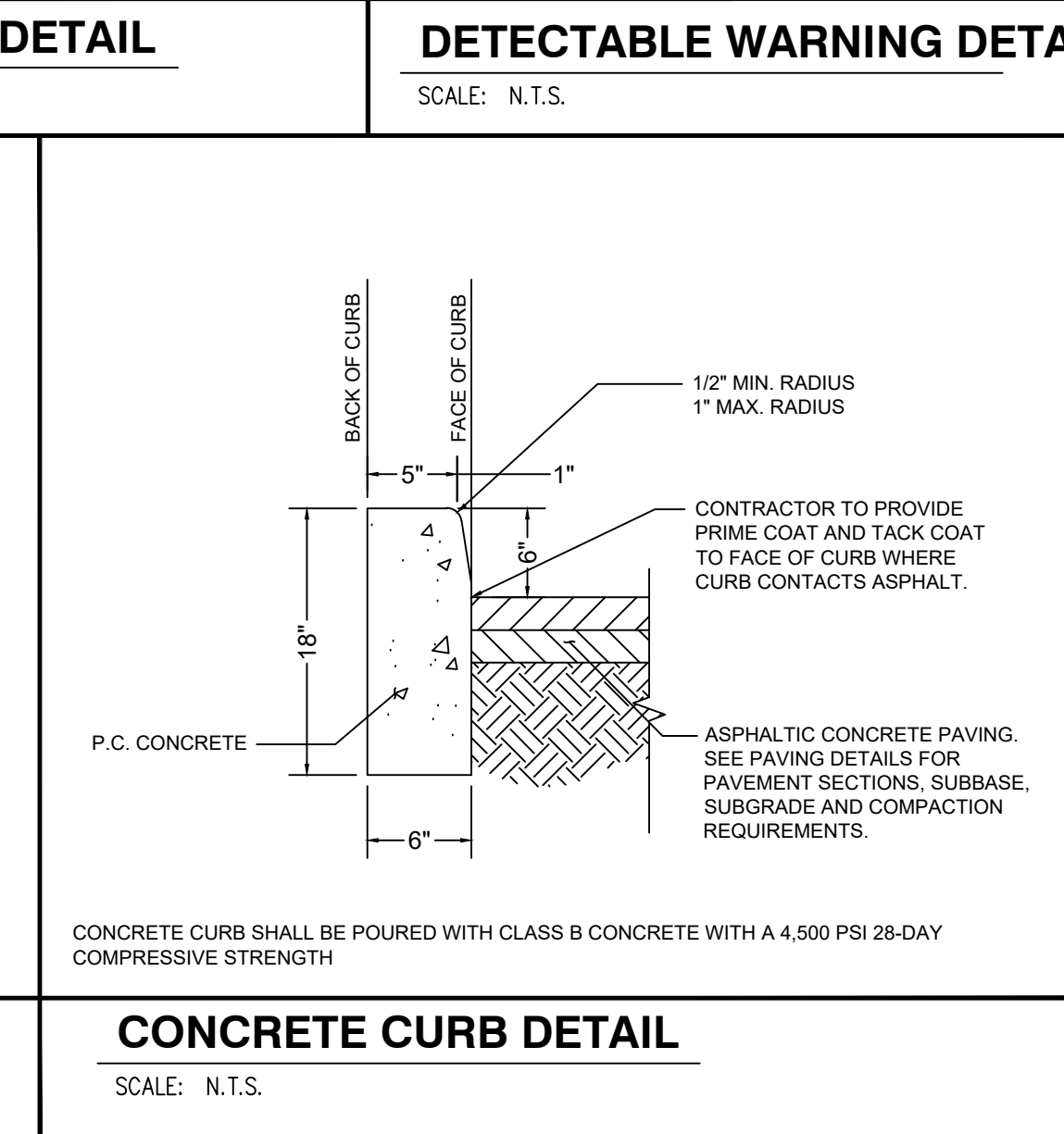
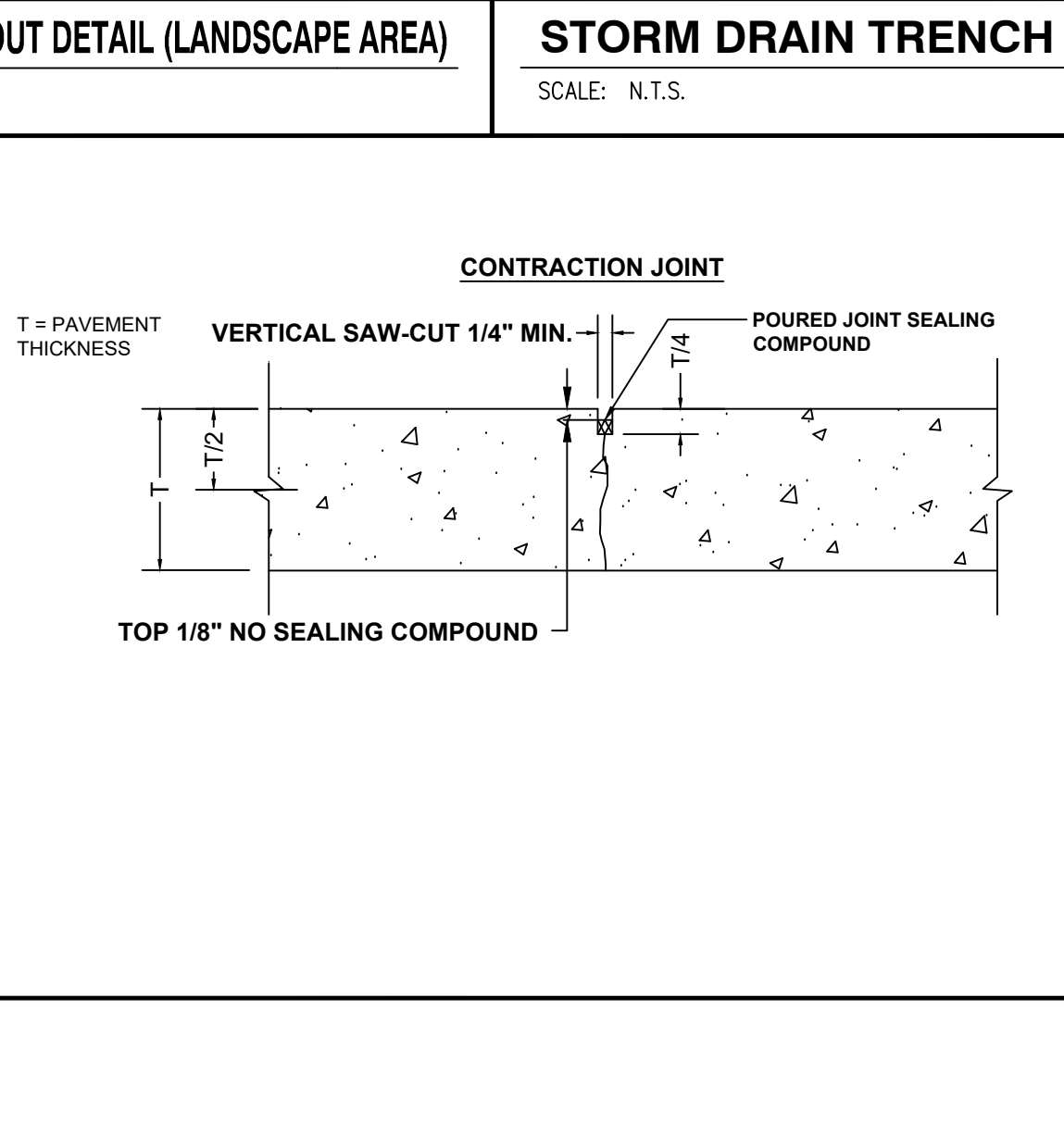
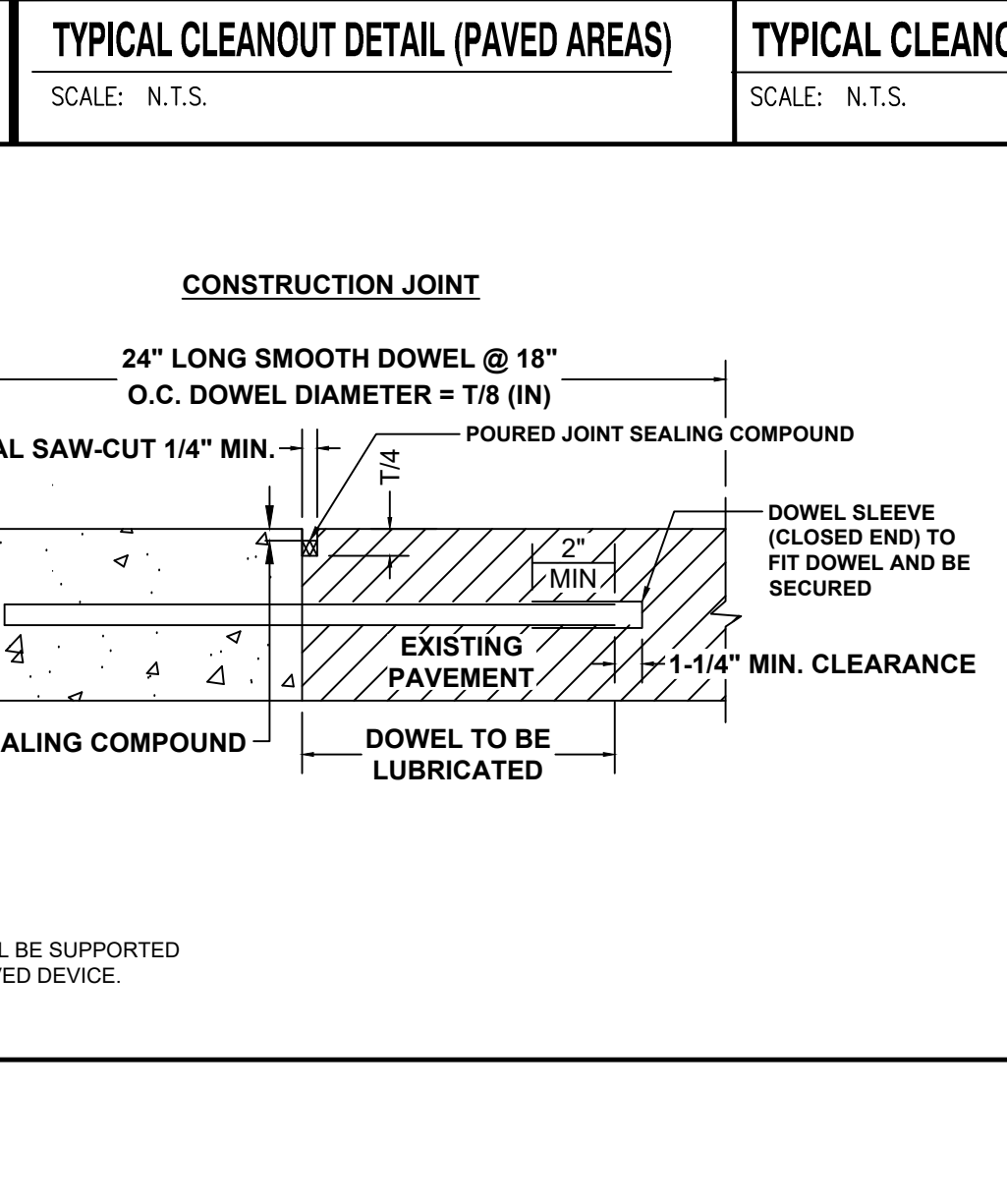
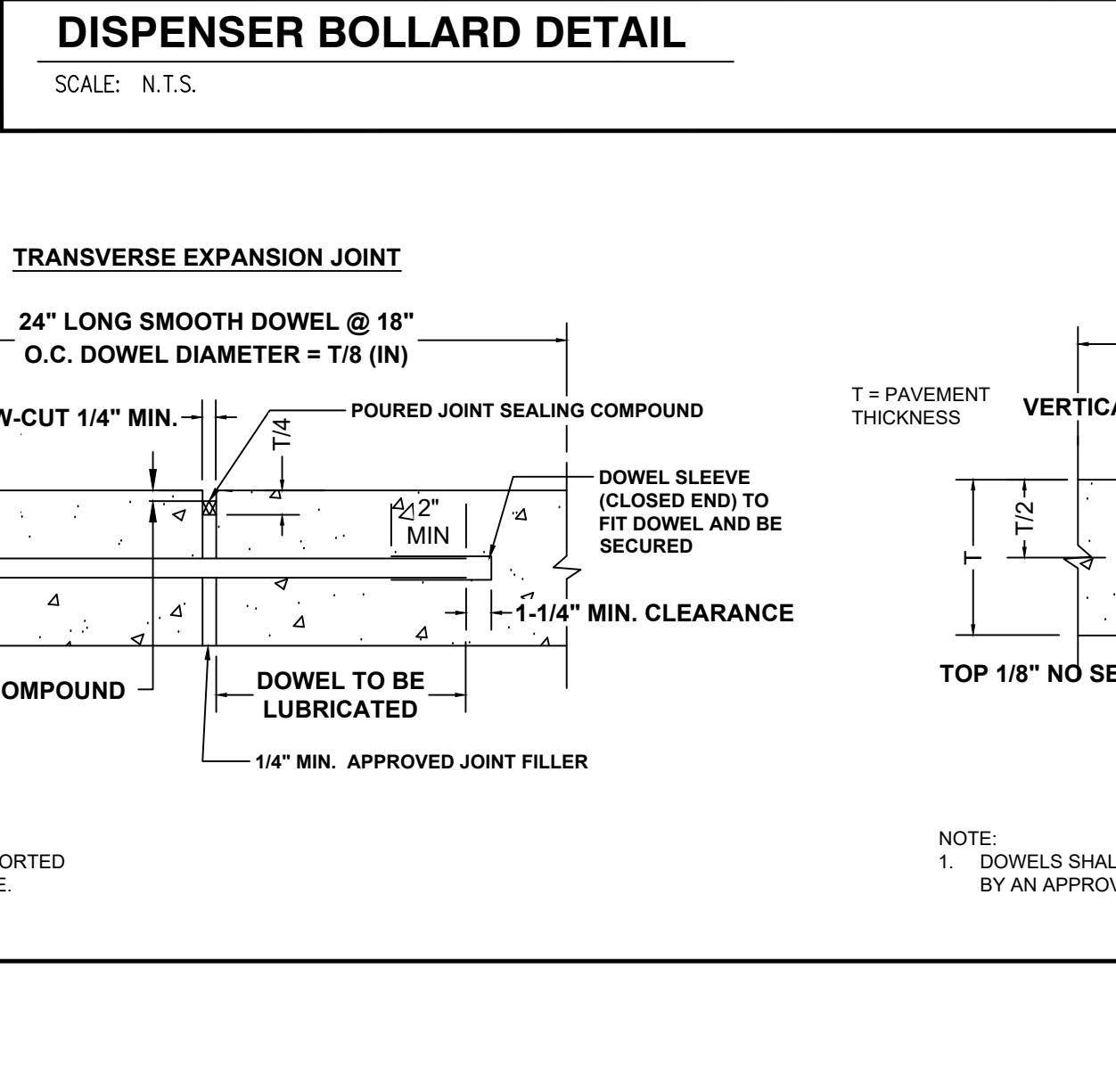
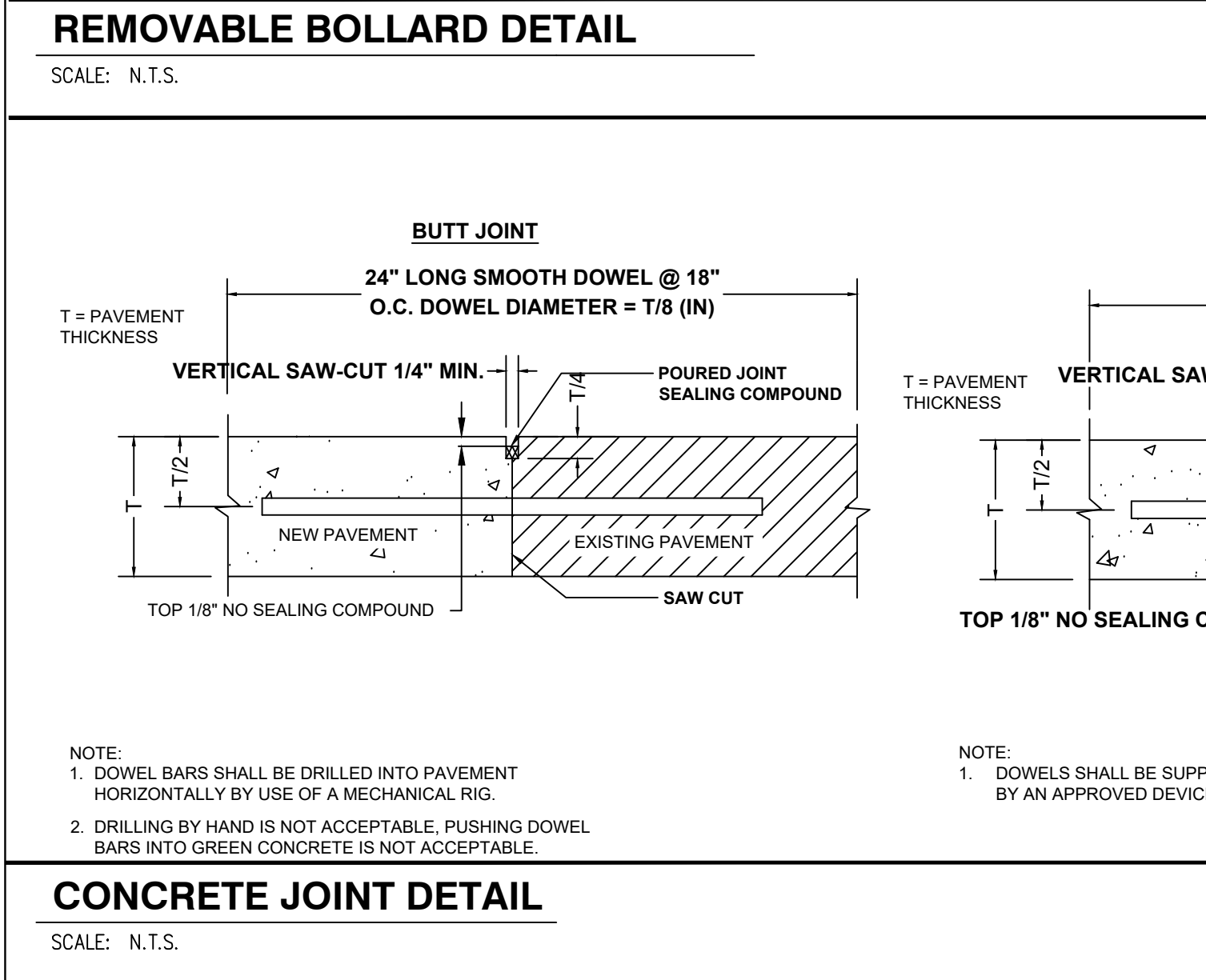
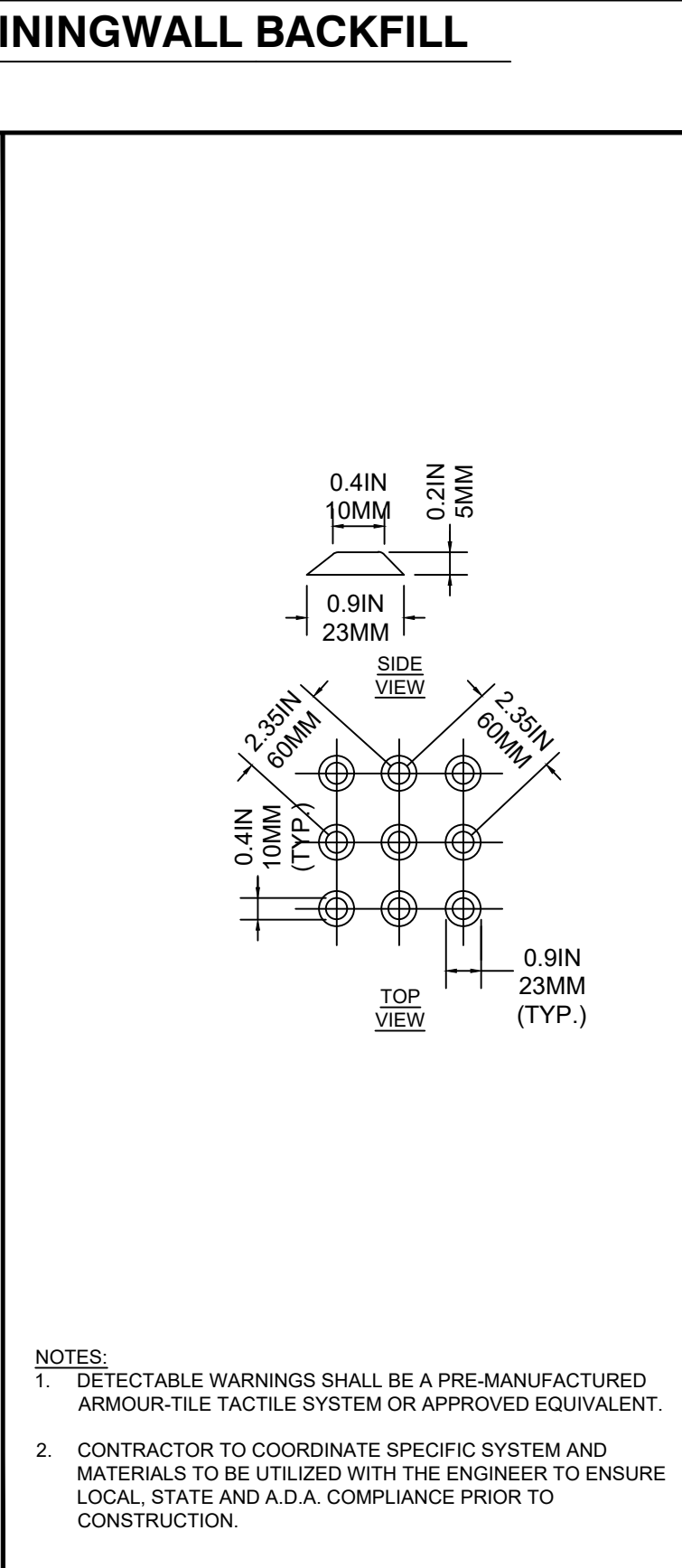
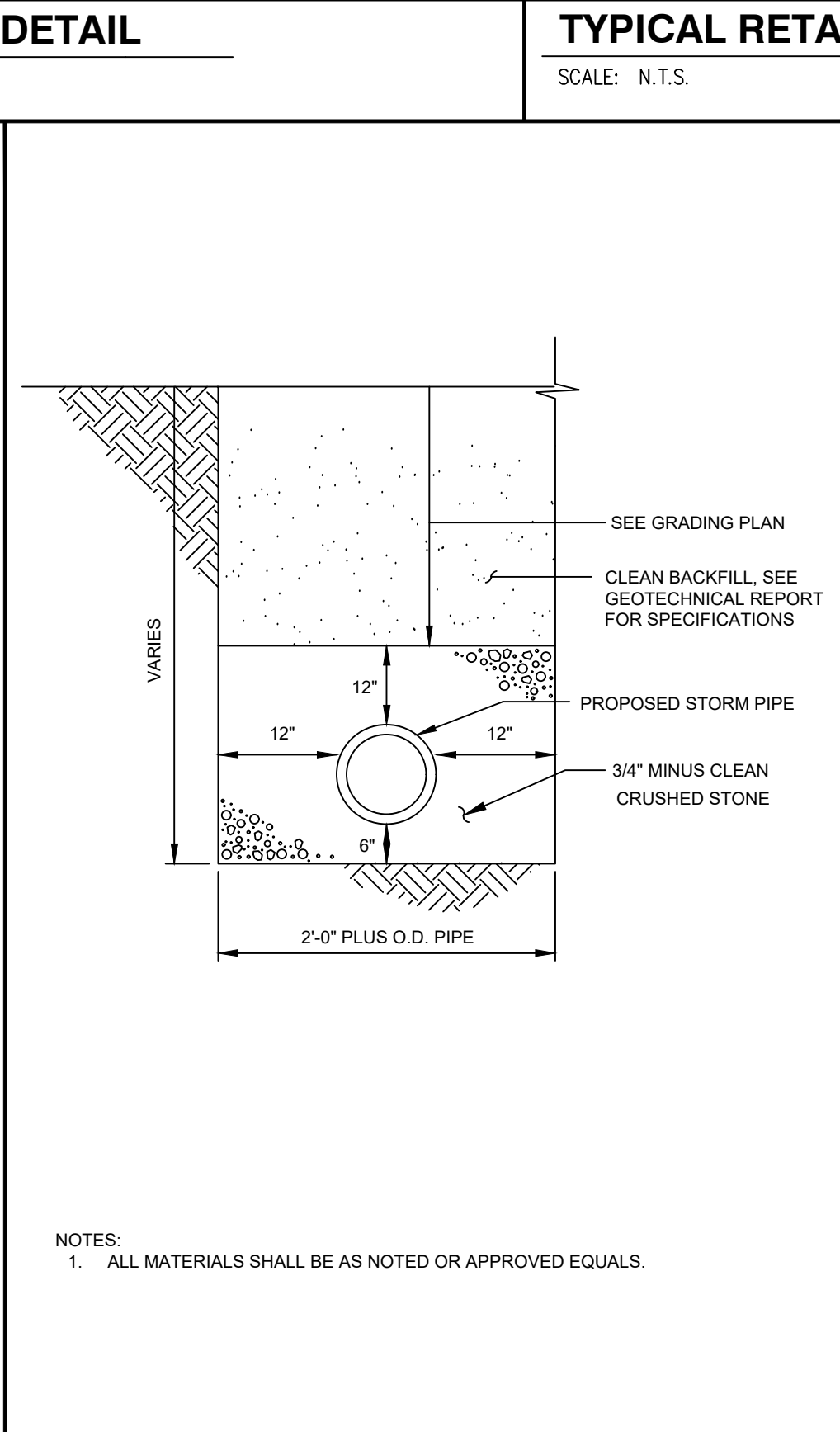
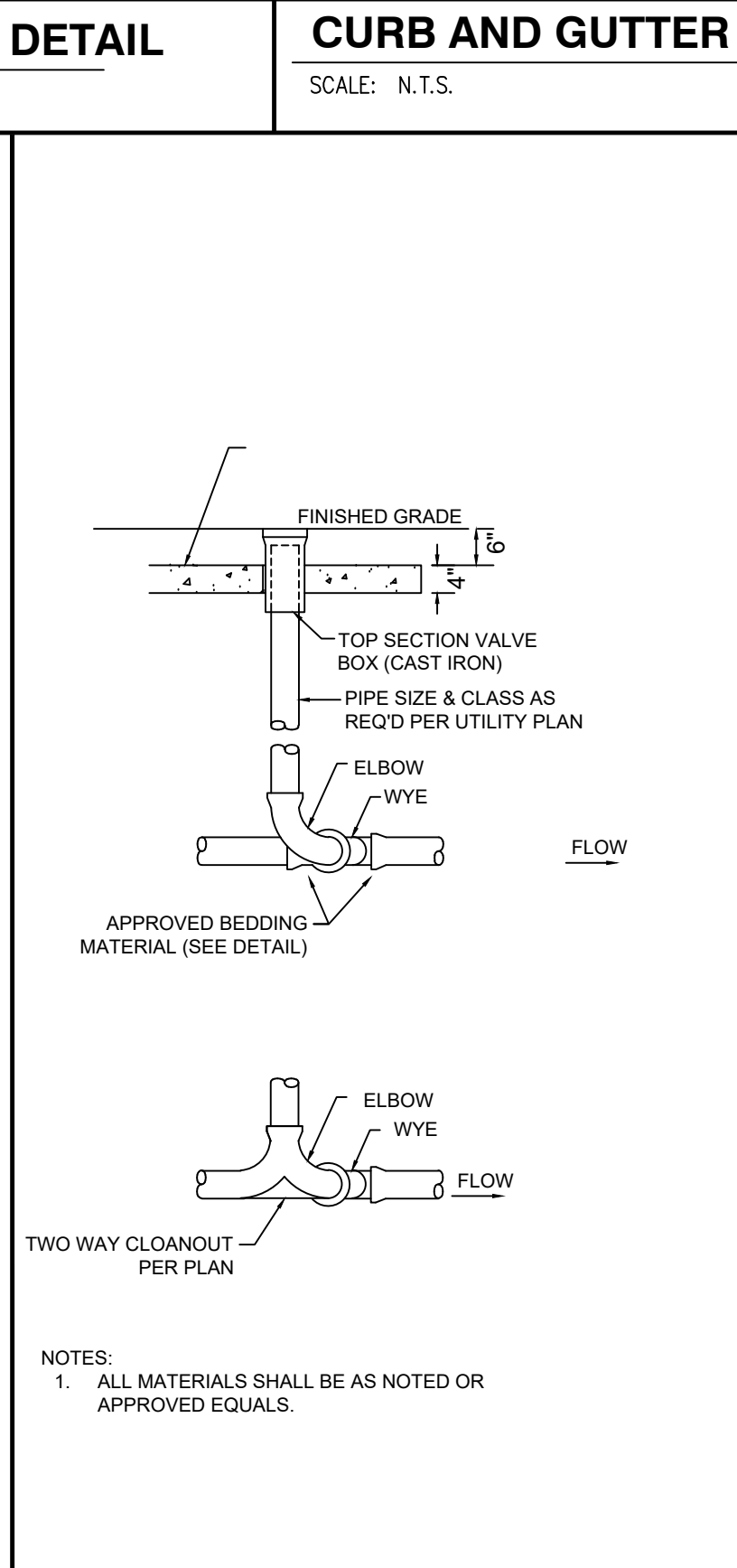
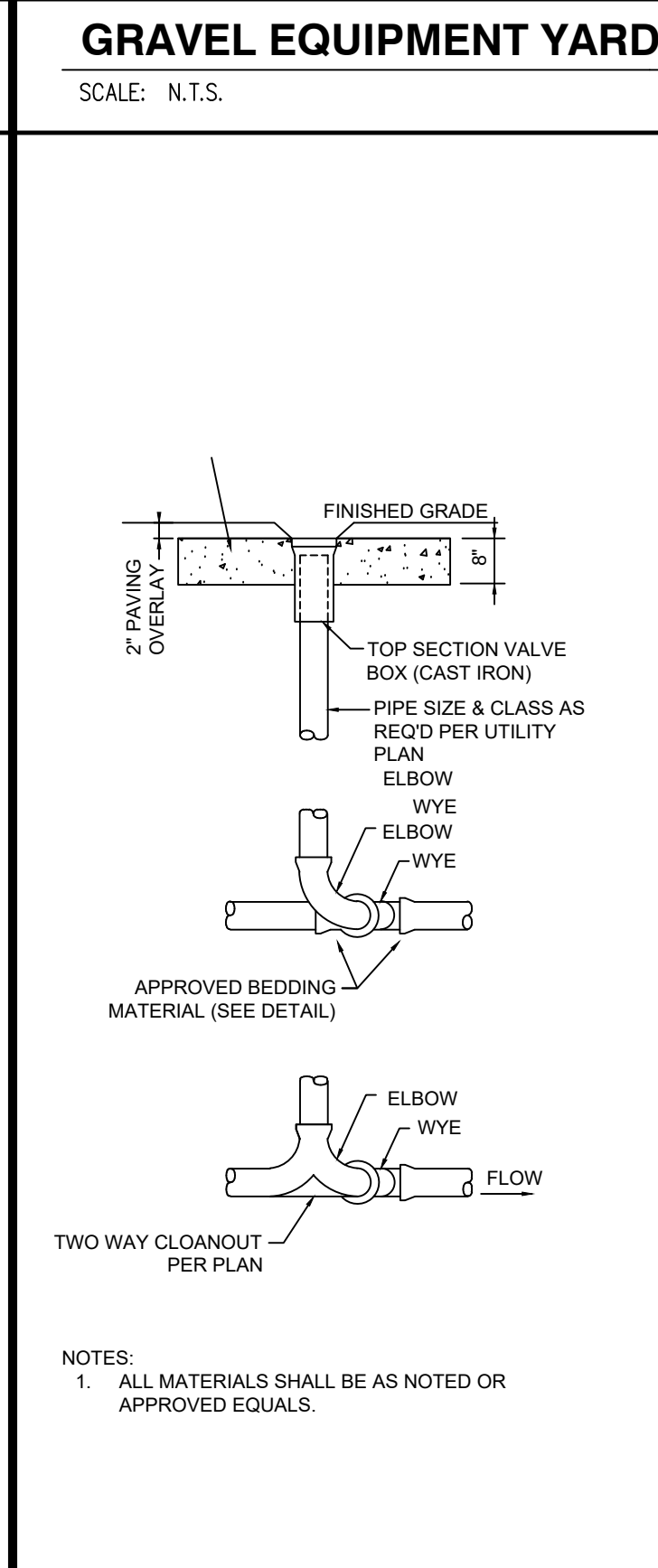
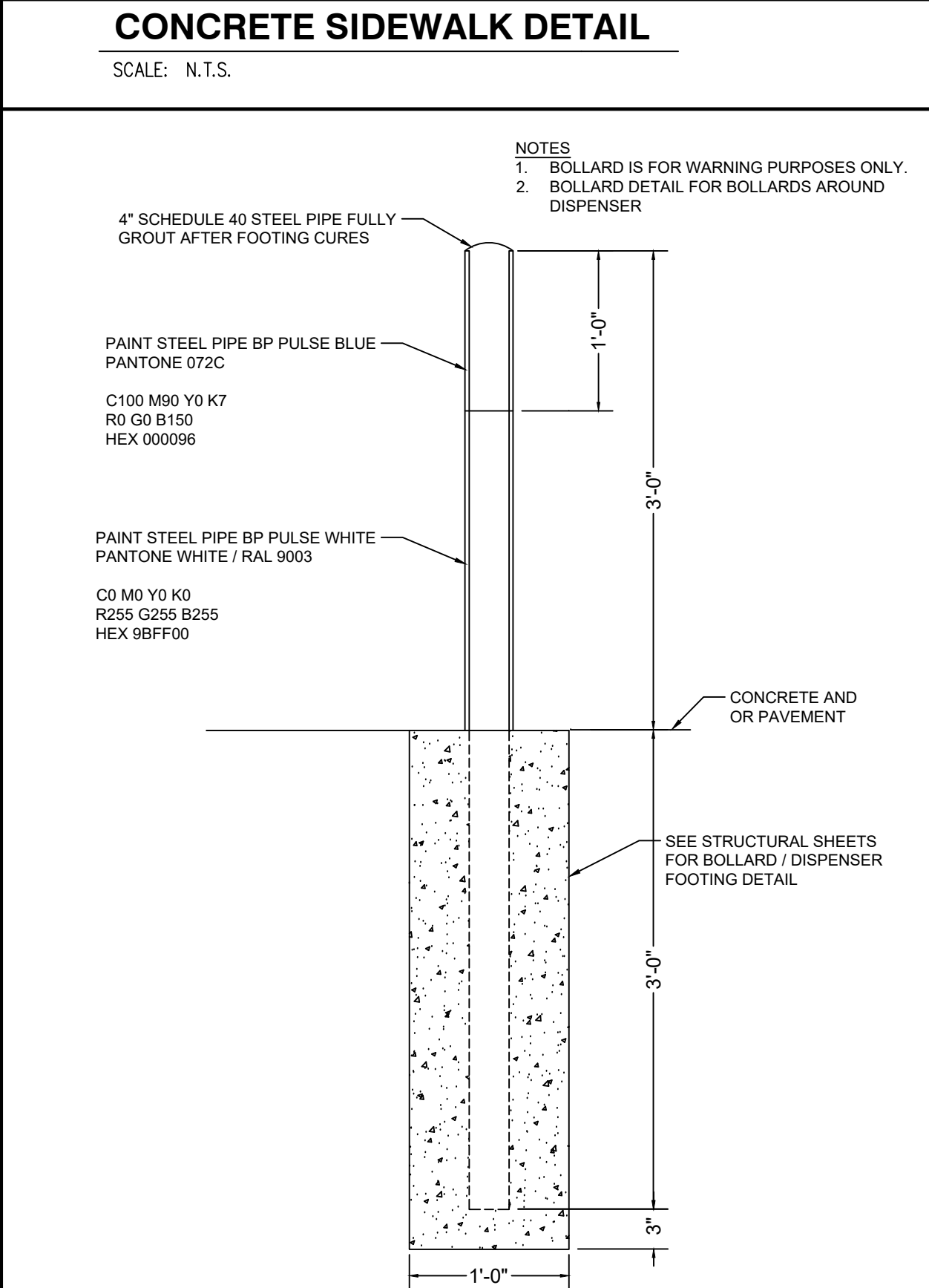
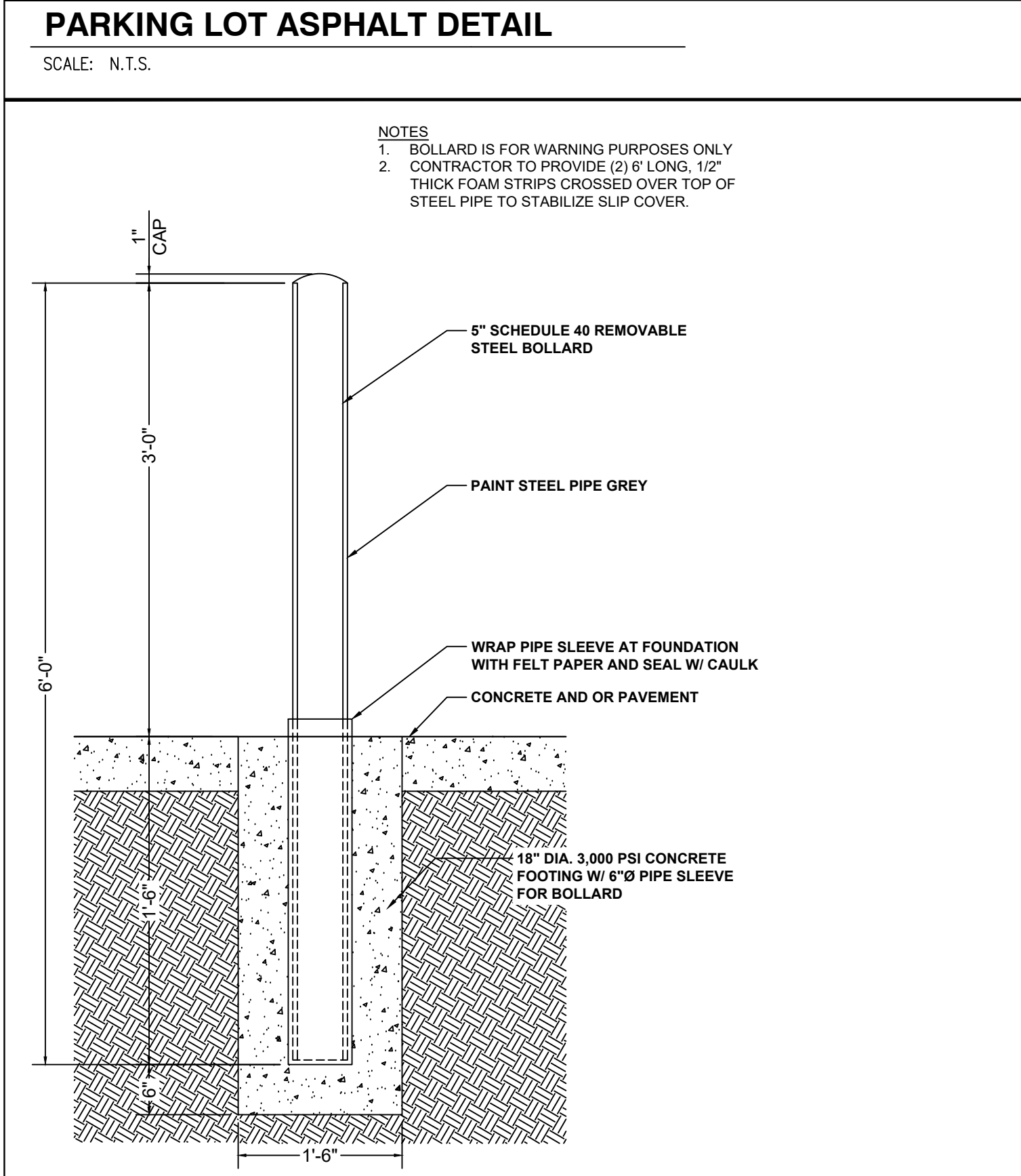
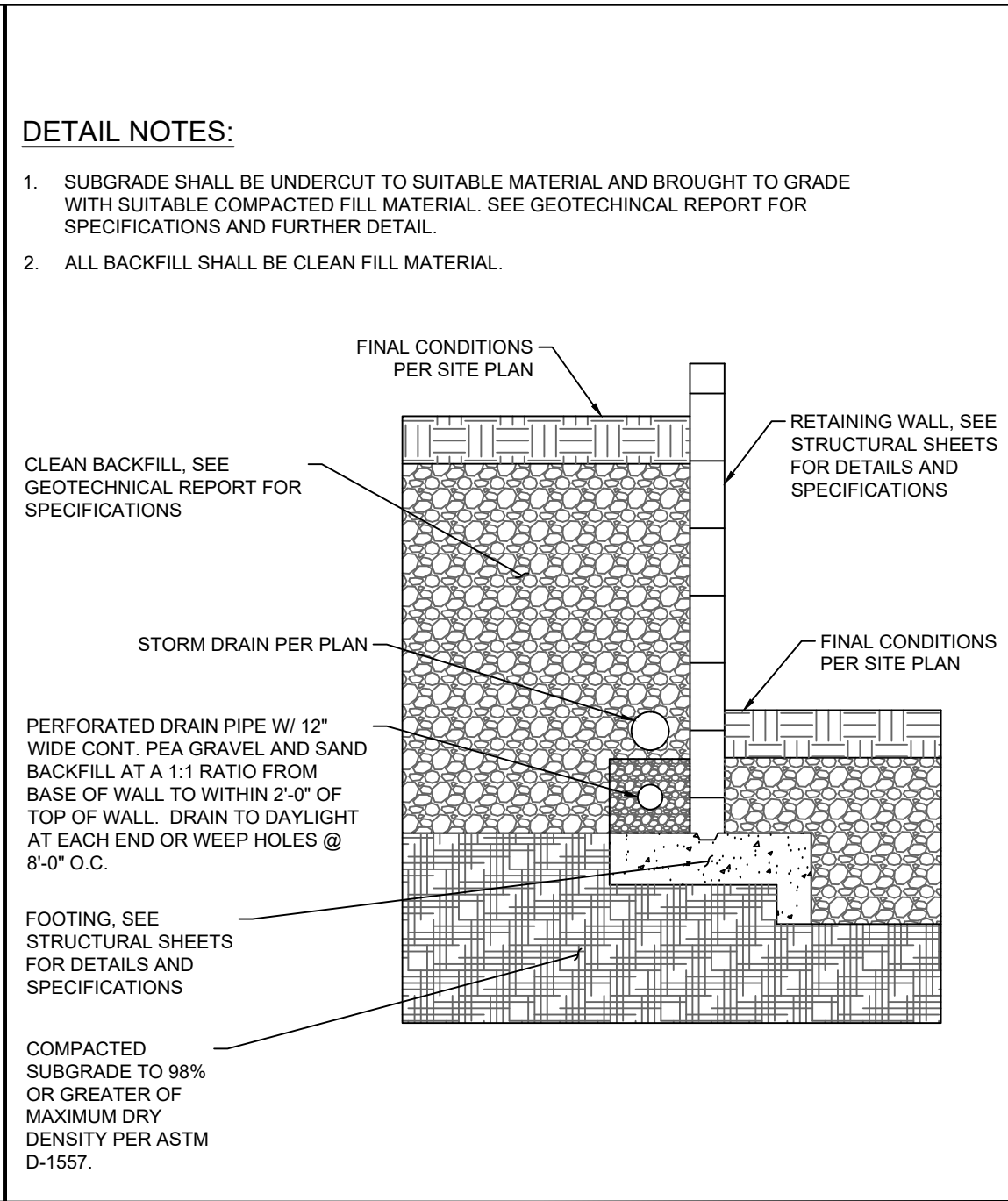
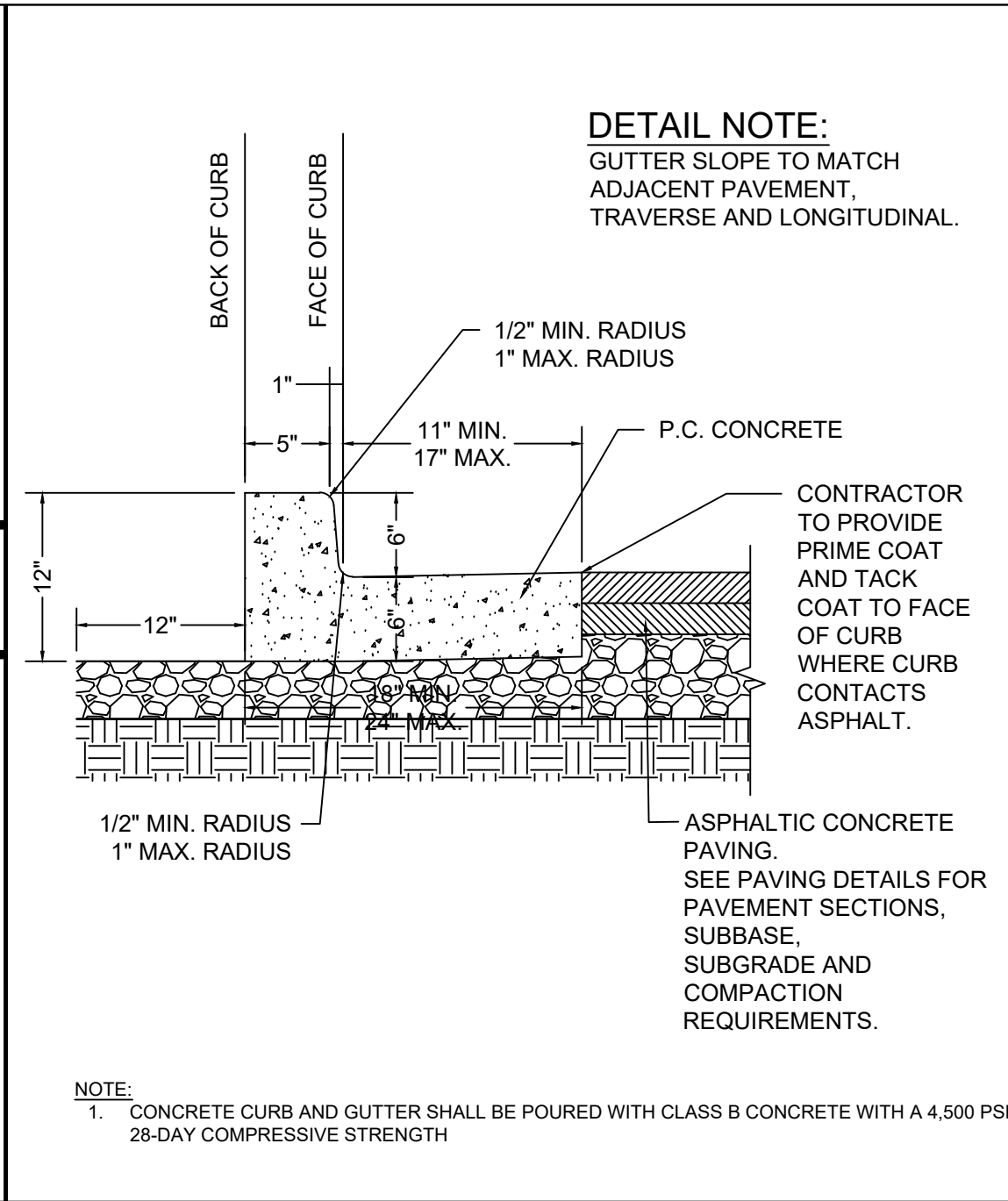
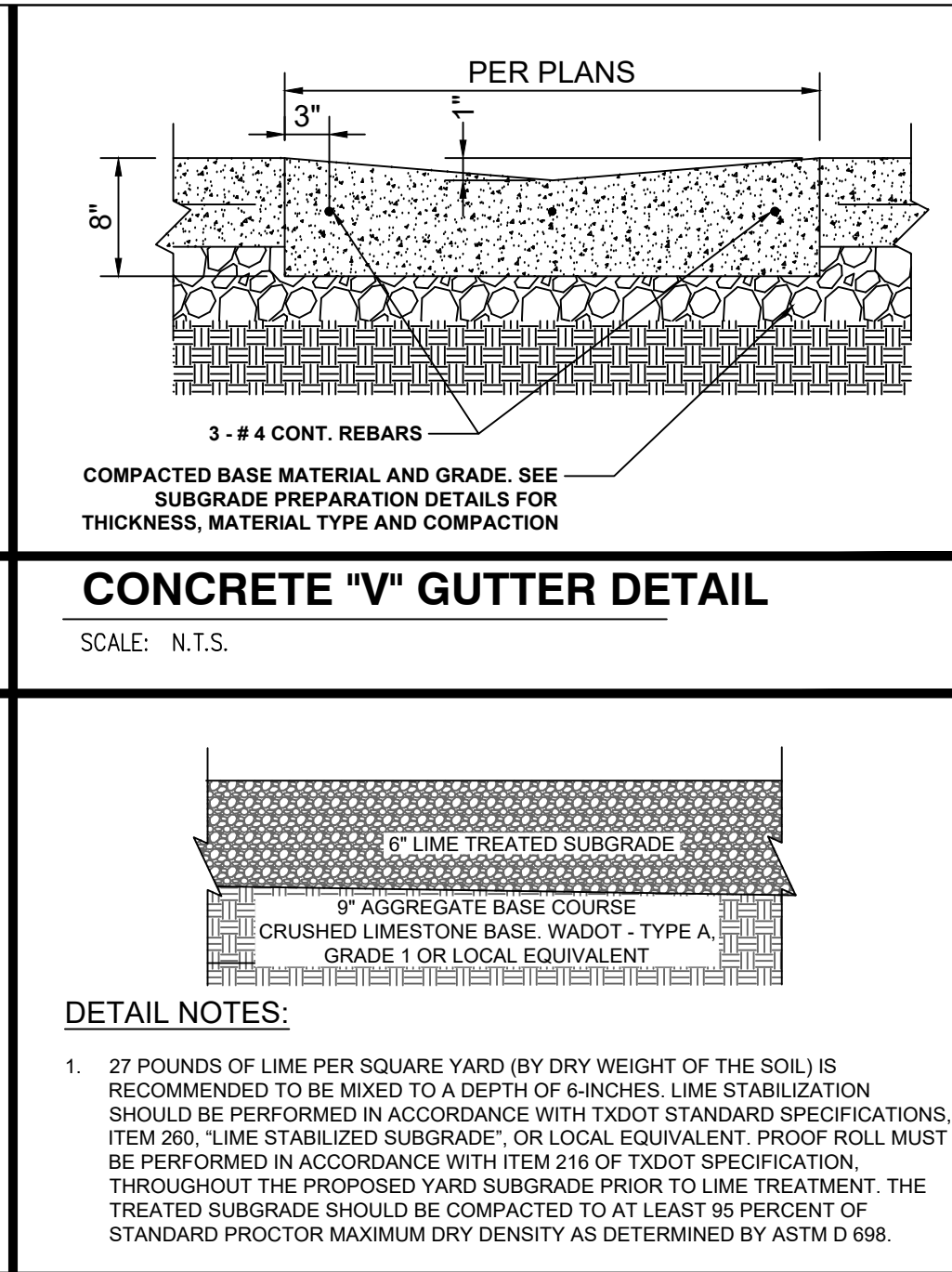
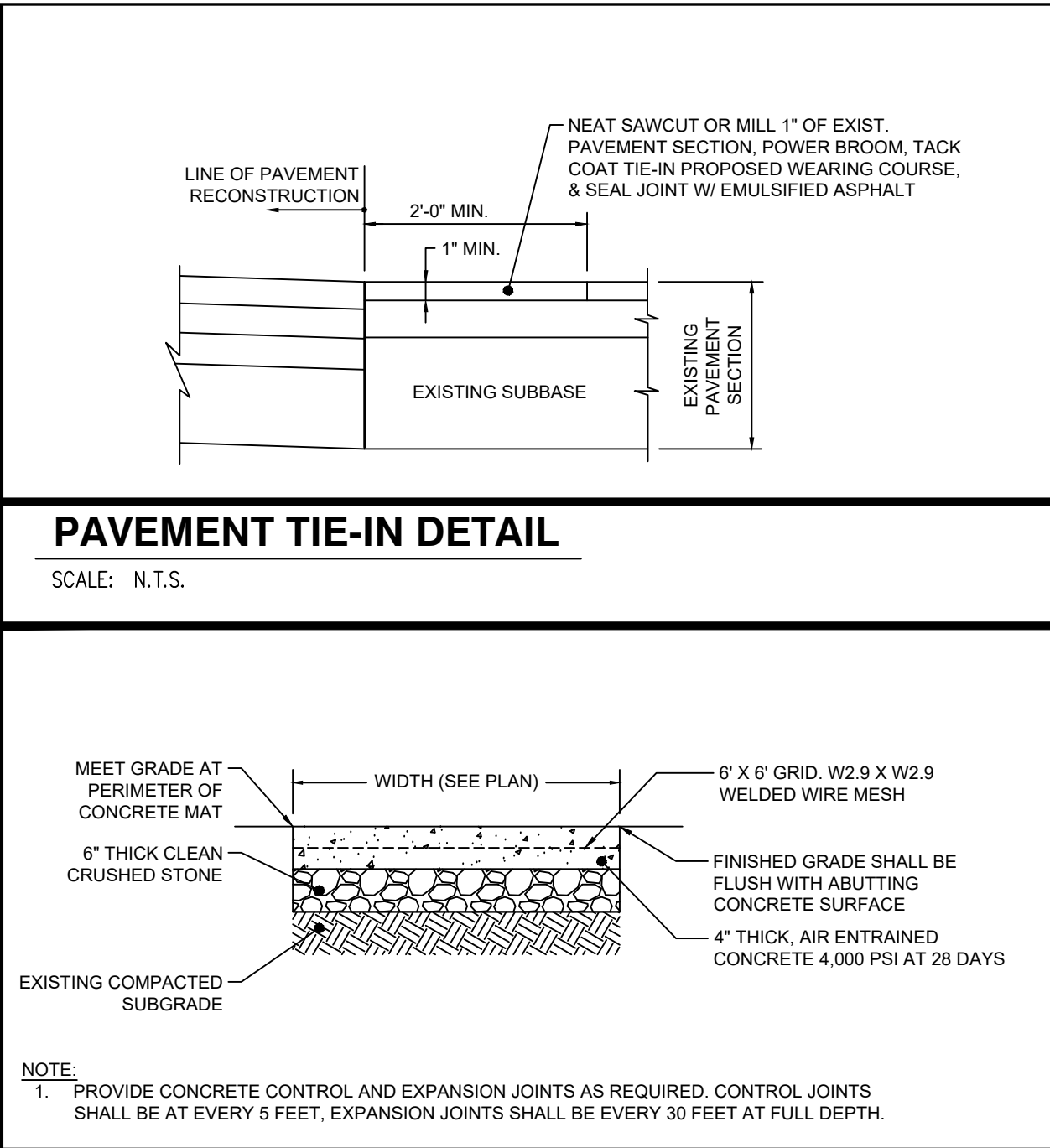
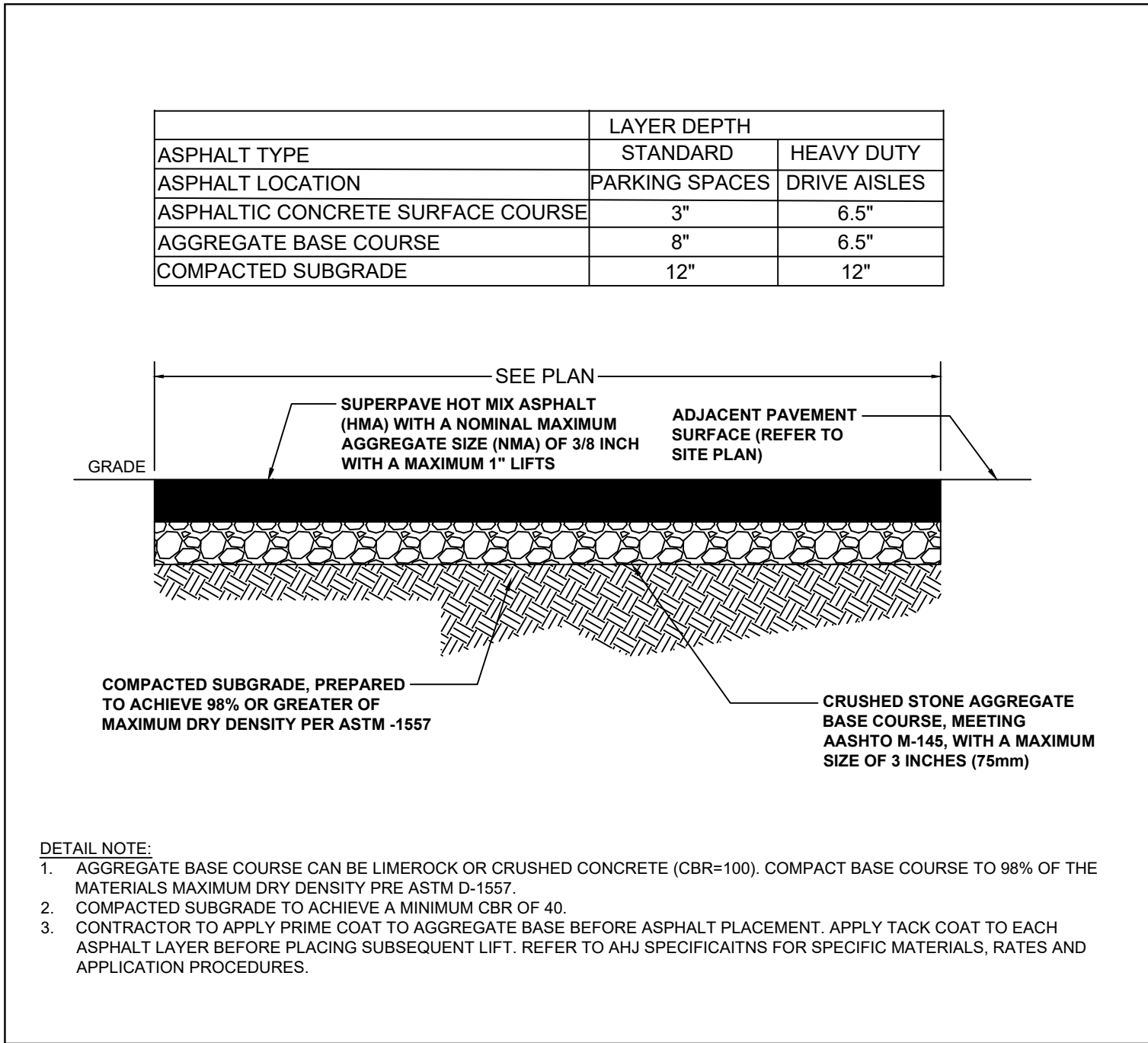
SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER

C-5.0







bp pulse
ELECTRIC VEHICLE
CHARGING PROGRAM
16915 31st AVE. S
SeaTac, WA 98188

DOCUMENTS PREPARED BY: JBS
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ALEX WHITE
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
No. 18315
1/17/2025

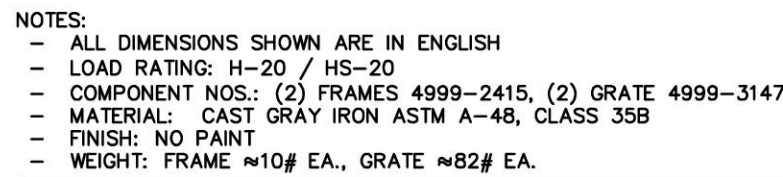
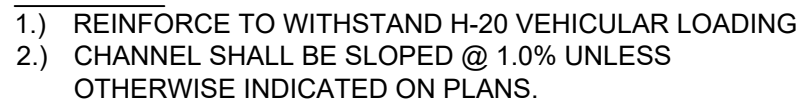
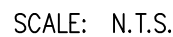
PROJECT INFORMATION

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DATE 01/17/2025
DRAWN BY: JBS
CHECKED BY: CD

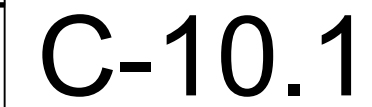
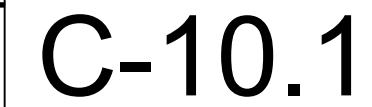
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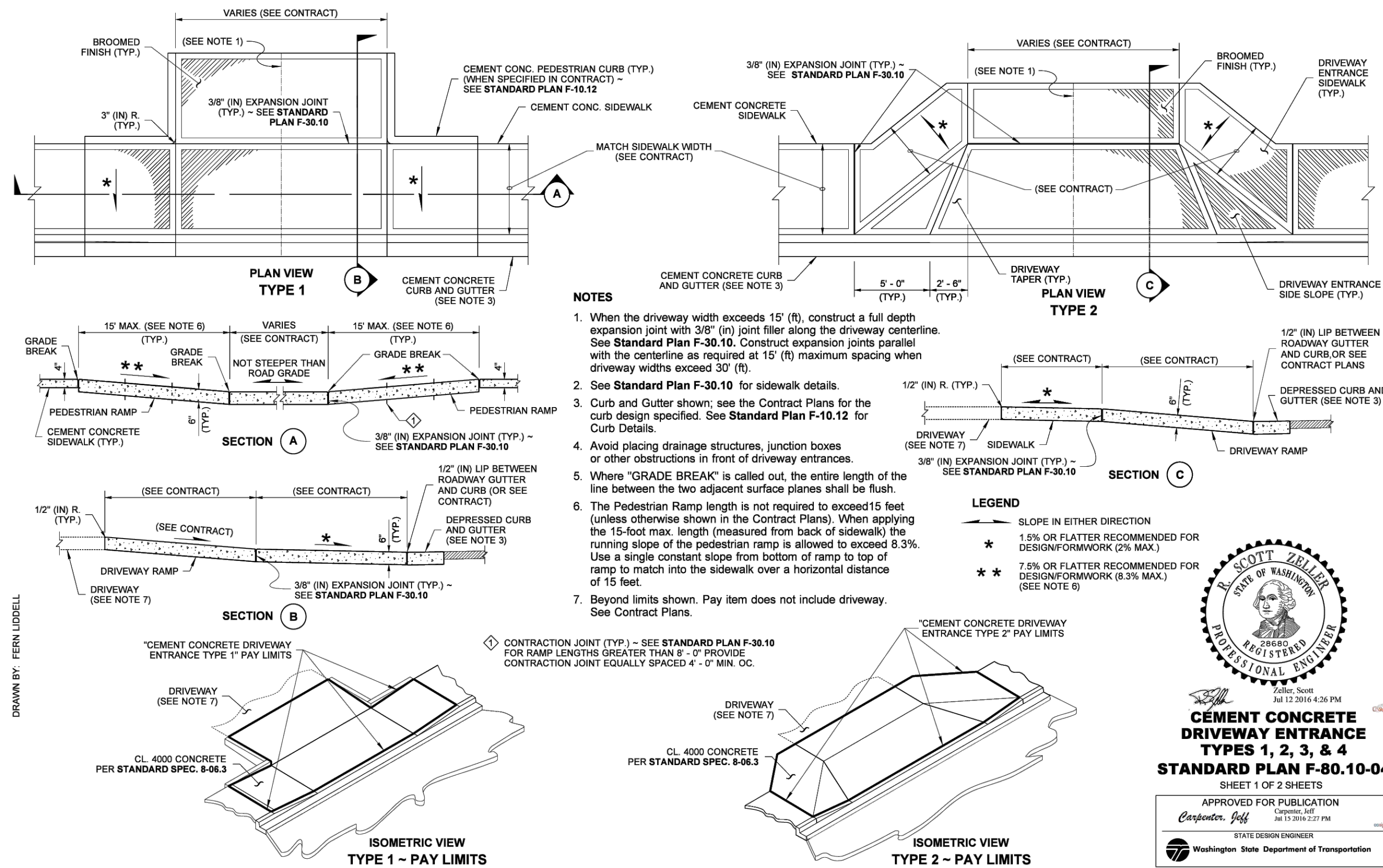
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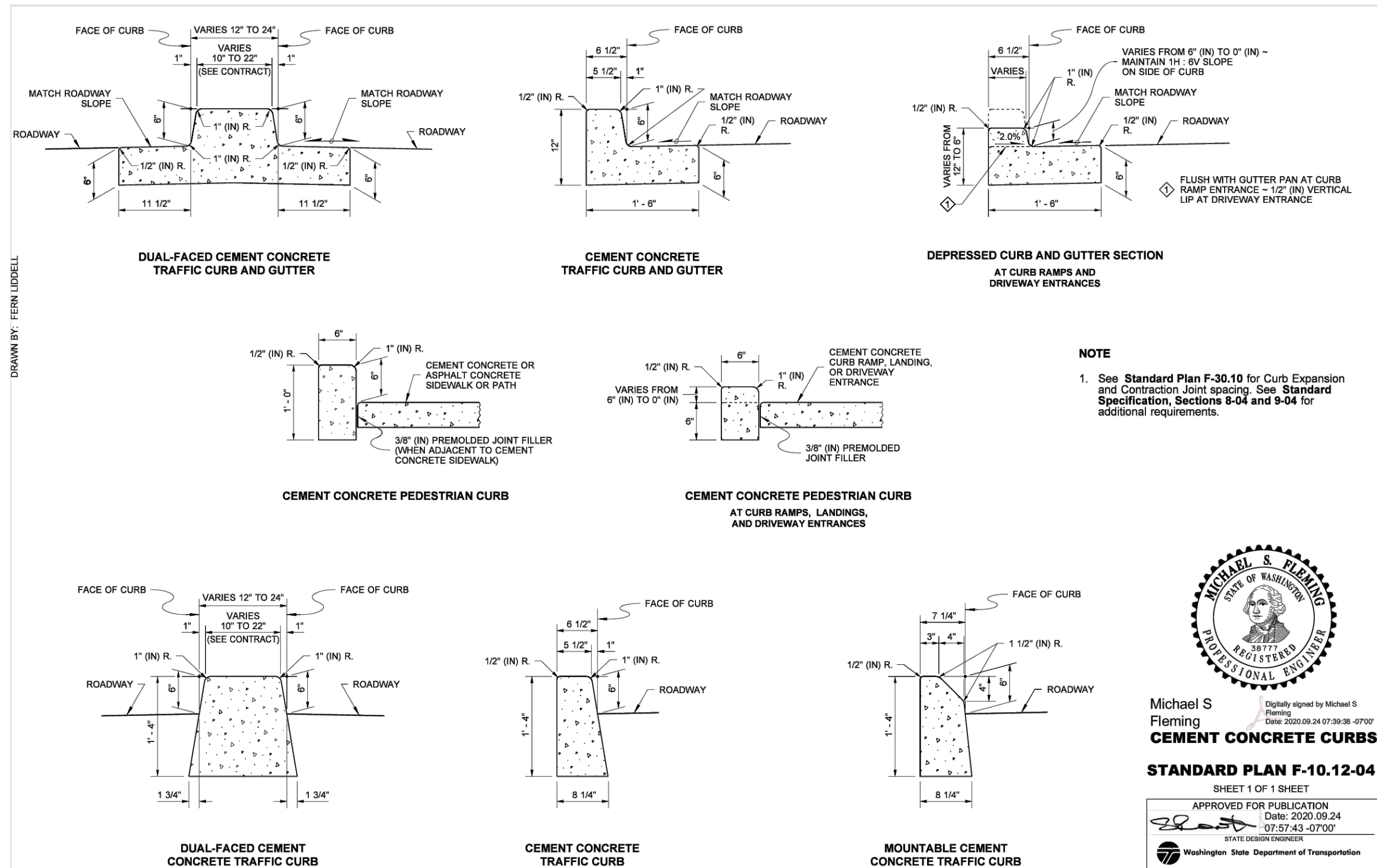


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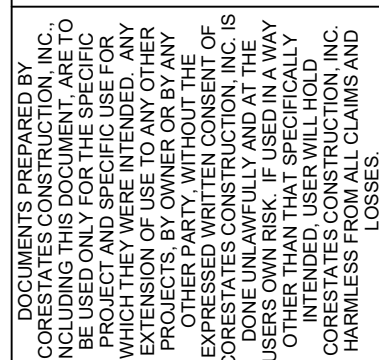
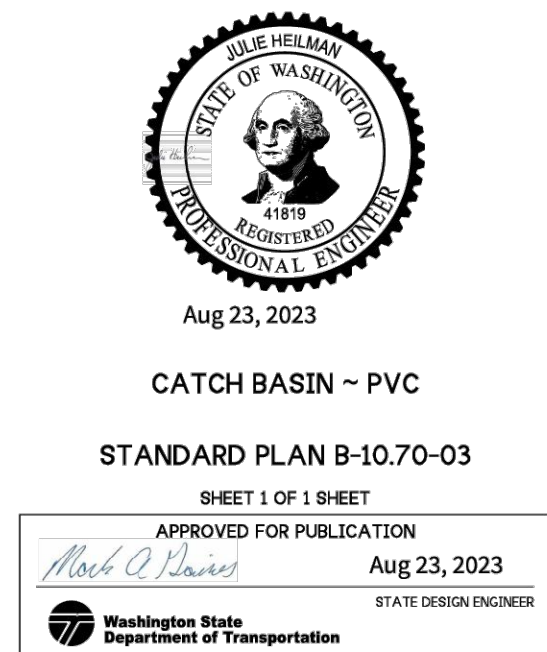
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Julie Heilman
STATE OF WASHINGTON
41015
REGISTERED
PROFESSIONAL ENGINEER

Heilman, Julie
Feb 20 2018 12:53 PM

**RECTANGULAR SOLID
METAL COVER**

STANDARD PLAN B-30-04

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

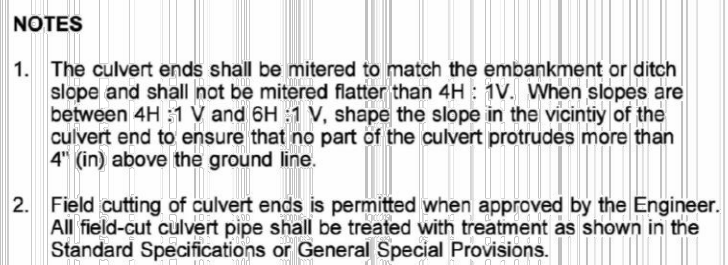
DATE: 1/24/18
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STATE DESIGN ENGINEER

Washington State Department of Transportation

SCALE: N.T.S.

SCALE: N.T.S.



MITERED END SECTIONS
STANDARD PLAN B-70.20-01

APPROVED FOR PUBLICATION
Mark Gaines Mar 15, 2022
Mark Gaines (Mar 15, 2022 22:36 PST)
STATE DESIGN ENGINEER
Washington State Department of Transportation


811 

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THE CONTRACTOR IS SHOWN ONLY FOR ILLUSTRATION PURPOSES. THE LOCATION AND ORIENTATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON THE INFORMATION PROVIDED BY THE LOCAL UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. CORRELATED LOCATIONS SHOULD BE OBTAINED. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES TO OBTAIN THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY EXCAVATION. (10/01/04) 811

SEAL



1/17/2021

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SHEET TITLE

CONSTRUCTION DETAILS

SHEET NUMBER

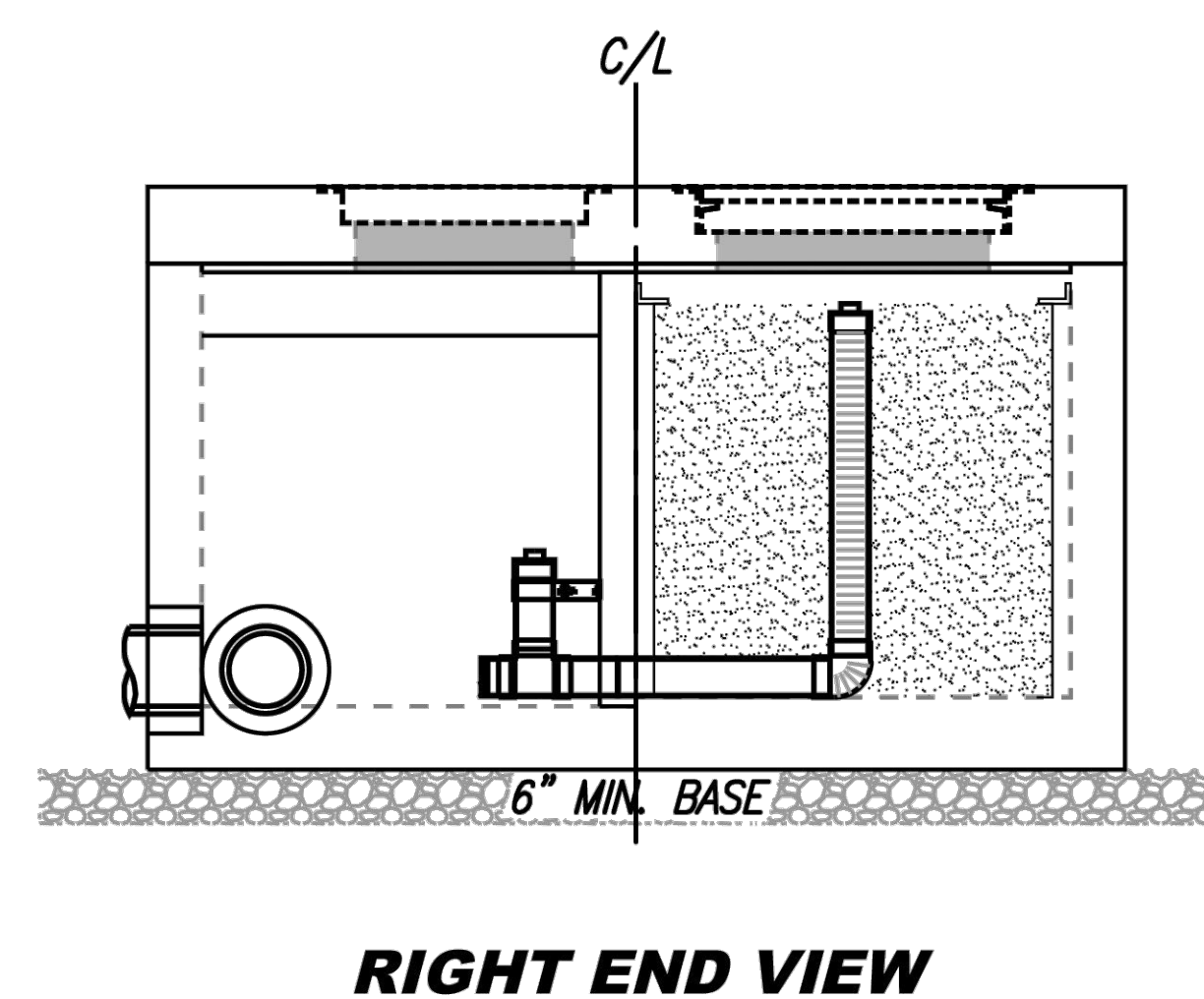
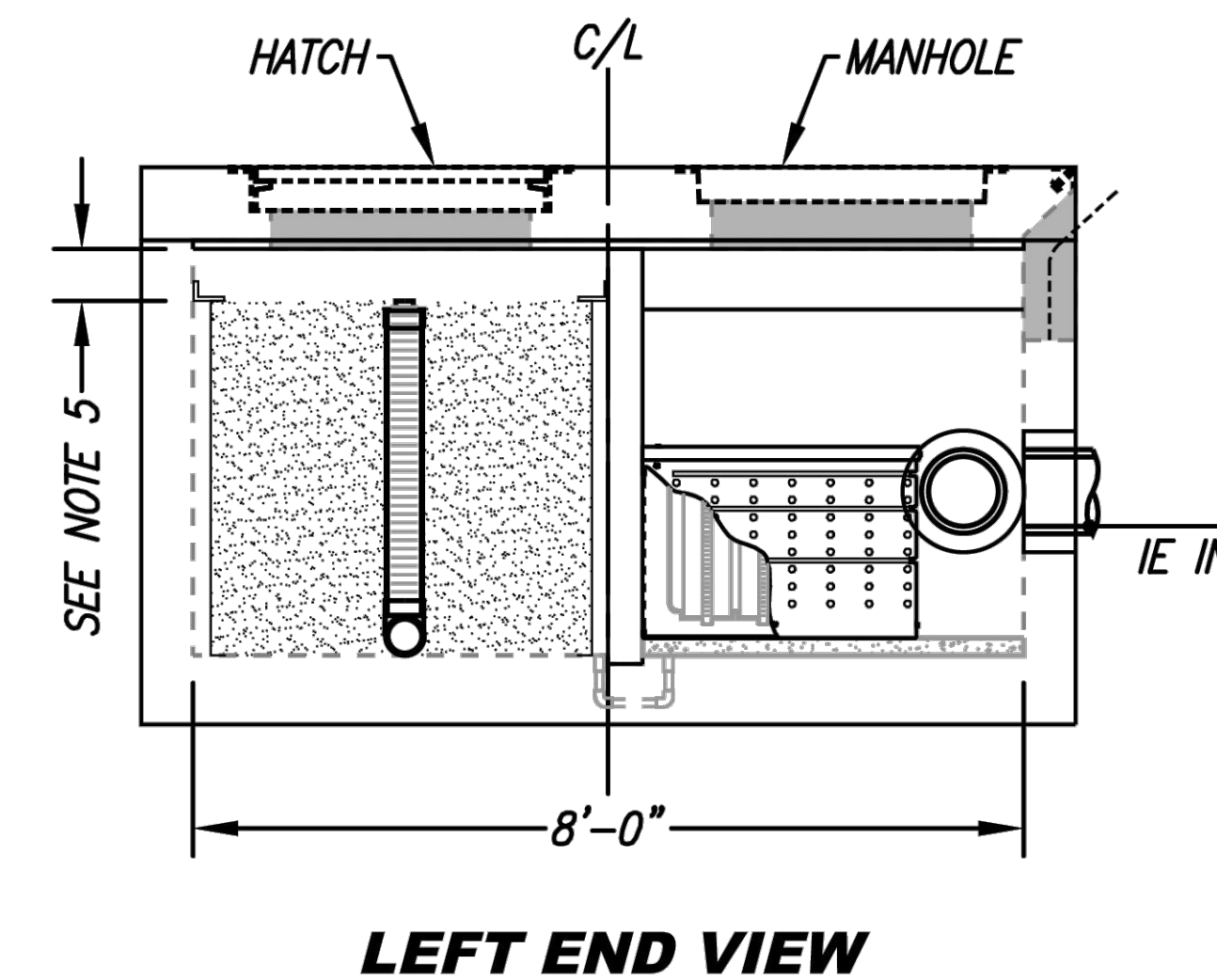
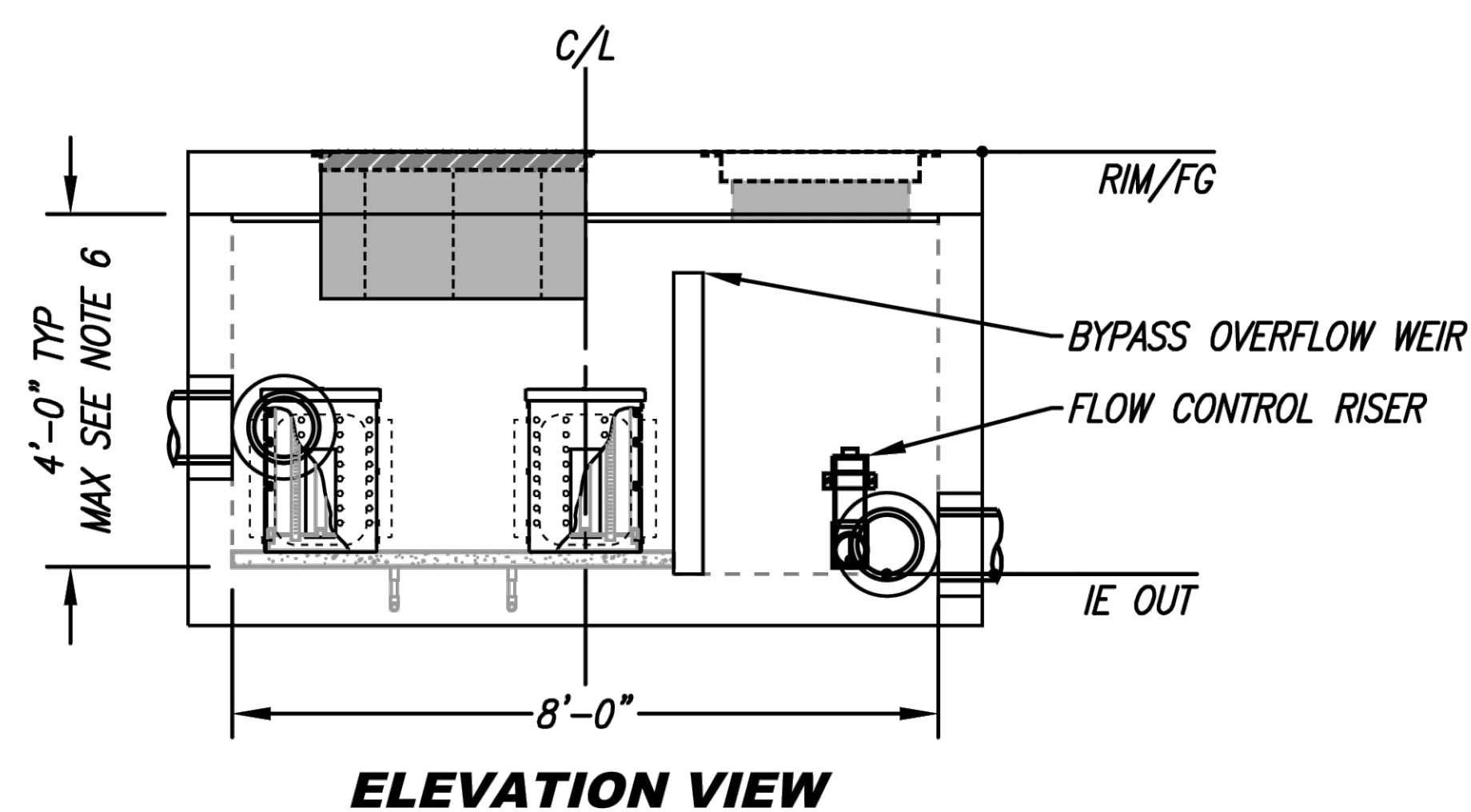
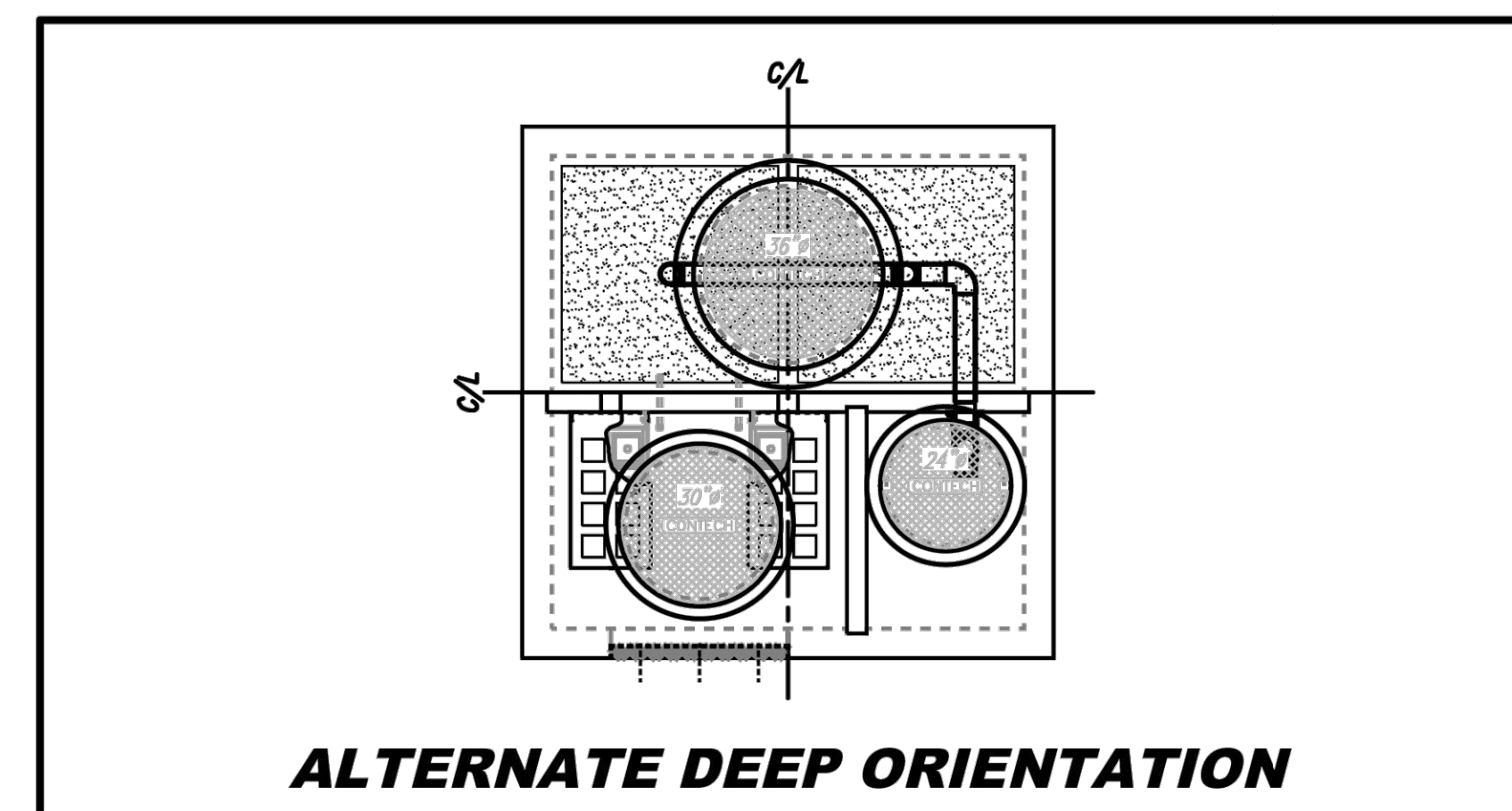
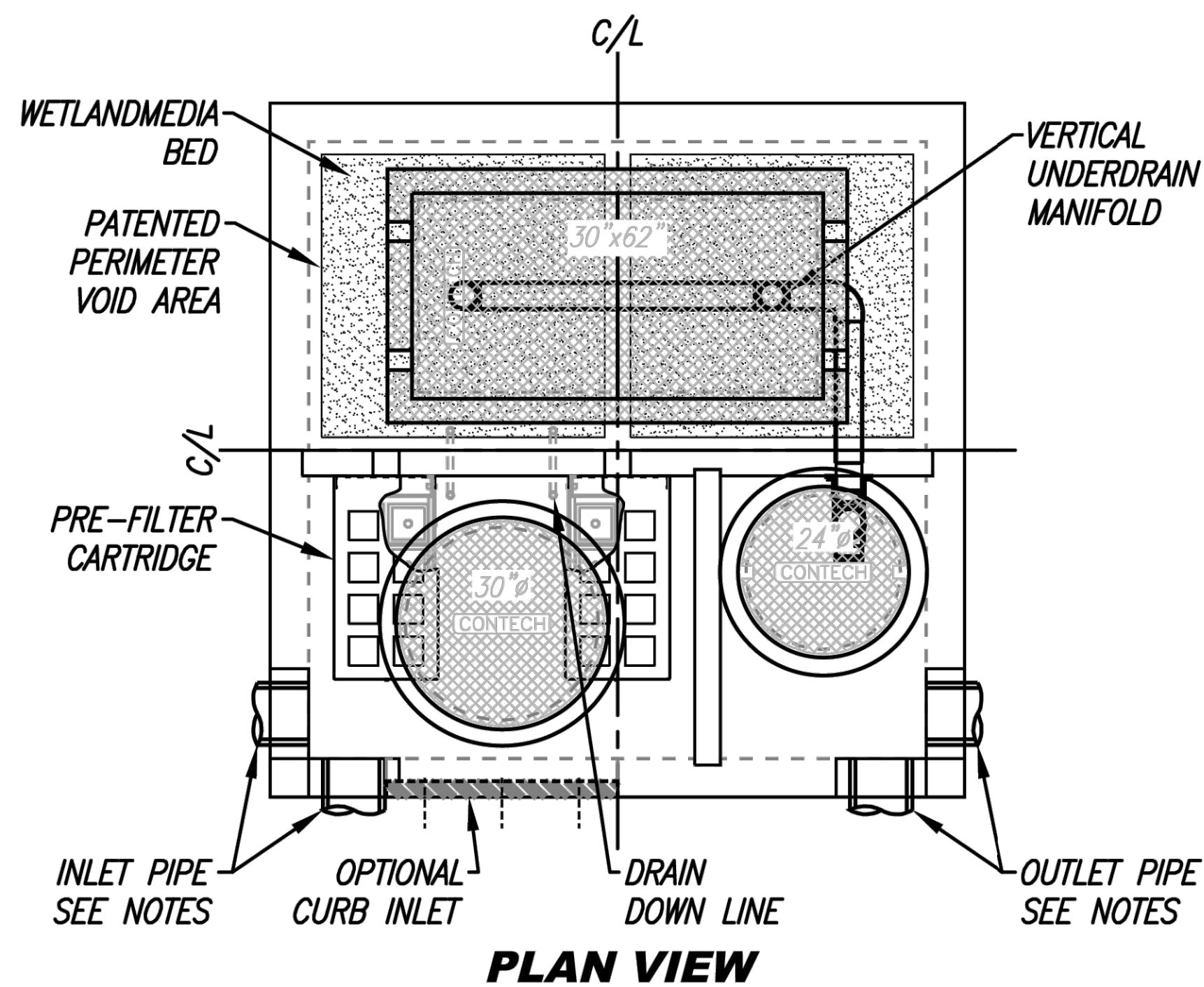
C-10.3

SITE SPECIFIC DATA			
PROJECT NUMBER			
PROJECT NAME			
PROJECT LOCATION			
STRUCTURE ID			
TREATMENT REQUIRED			
TREATMENT FLOW (CFS)			
PRETREATMENT LOADING RATE (GPM/SF)		2.1 GPM/SF	
WETLAND MEDIA LOADING RATE (GPM/SF)		1.0	
PEAK BYPASS REQUIRED (CFS) – IF APPLICABLE		<u> </u> (CFS)	
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1			
INLET PIPE 2			
OUTLET PIPE			
	PRETREATMENT	BIOFILTRATION	DISCHARGE
RIM ELEVATION			
SURFACE LOAD	PEDESTRIAN		
NOTES:			

* PRELIMINARY ONLY - NOT FOR CONSTRUCTION

INSTALLATION NOTES

1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURER'S SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
3. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL PIPES SHALL BE SEALED WATERTIGHT PER MANUFACTURER'S STANDARD CONNECTION DETAIL.
4. CONTRACTOR RESPONSIBLE FOR CONTACTING CONTECH FOR ACTIVATION OF UNIT. MANUFACTURER'S WARRANTY IS VOID WITHOUT PROPER ACTIVATION BY A CONTECH REPRESENTATIVE.
5. ALTERNATE DEEP FRAME & COVER ORIENTATION USED WHEN CEILING TO MEDIA DISTANCE IS 2.5' OR GREATER.
6. VERTICAL HEIGHT VARIES BASED ON SITE SPECIFIC REQUIREMENTS.



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