

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

June 10, 2022

Alvin S. Medina, PE
AECOM
6501 Americas Parkway NE, Suite 900
Albuquerque, NM 87110

**RE: PNM - Sagebrush Substation
2200 Sunport Blvd. SE
Grading & Drainage Plans
Engineer's Stamp Date: 01/26/22
Hydrology File: M15D049**

Dear Mr. Medina:

PO Box 1293

Based upon the information provided in your submittal received 05/18/2022, the Grading & Drainage Plan is approved for Building Permit, Grading Permit, and SO-19 Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

Albuquerque

NM 87103

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

www.cabq.gov

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Owner: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

TYPE OF SUBMITTAL: _____ PLAT (____# OF LOTS) _____ RESIDENCE _____ DRB SITE _____ ADMIN SITE

IS THIS A RESUBMITTAL?: _____ Yes _____ No

DEPARTMENT: _____ TRAFFIC/ TRANSPORTATION _____ HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- _____ ENGINEER/ARCHITECT CERTIFICATION
- _____ PAD CERTIFICATION
- _____ CONCEPTUAL G & D PLAN
- _____ GRADING PLAN
- _____ DRAINAGE MASTER PLAN
- _____ DRAINAGE REPORT
- _____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- _____ ELEVATION CERTIFICATE
- _____ CLOMR/LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ TRAFFIC IMPACT STUDY (TIS)
- _____ OTHER (SPECIFY) _____
- _____ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- _____ BUILDING PERMIT APPROVAL
- _____ CERTIFICATE OF OCCUPANCY
- _____ PRELIMINARY PLAT APPROVAL
- _____ SITE PLAN FOR SUB'D APPROVAL
- _____ SITE PLAN FOR BLDG. PERMIT APPROVAL
- _____ FINAL PLAT APPROVAL
- _____ SIA/ RELEASE OF FINANCIAL GUARANTEE
- _____ FOUNDATION PERMIT APPROVAL
- _____ GRADING PERMIT APPROVAL
- _____ SO-19 APPROVAL
- _____ PAVING PERMIT APPROVAL
- _____ GRADING/ PAD CERTIFICATION
- _____ WORK ORDER APPROVAL
- _____ CLOMR/LOMR
- _____ FLOODPLAIN DEVELOPMENT PERMIT
- _____ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____



CONSTRUCTION DRAWINGS
FOR
SAGEBRUSH SUBSTATION
SITE DEVELOPMENT

PNM PROJECT #673890
JANUARY 2022

SHEET LIST		
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2	SBD-7602-S2	ABBREVIATIONS AND SYMBOLS
3	SBD-7602-S3	GENERAL NOTES
4	SBD-7602-S4	CMU BLOCK WALL NOTES 1
5	SBD-7602-S5	CMU BLOCK WALL NOTES 2
6	SBD-7602-S6	PROJECT SITE PLAN
7	SBD-7602-S7	DEMOLITION PLAN
8	SBD-7602-S8	WASTE EXCAVATION PLAN
9	SBD-7602-S9	EROSION CONTROL PLAN
10	SBD-7602-S10	DRAINAGE AND GRADING PLAN
11	SBD-7602-S11	DRAINAGE AND GRADING SECTIONS 1
12	SBD-7602-S12	DRAINAGE AND GRADING SECTIONS 2
13	SBD-7602-S13	ACCESS ROADS TYPICAL SECTIONS
14	SBD-7602-S14	DRIVEWAY DETAILS
15	SBD-7602-S15	SIDEWALK CULVERT DETAIL
16	SBD-7602-S16	DRAINAGE SECTIONS
17	SBD-7602-S17	RAIL GATE DETAILS
18	SBD-7602-S18	STORM SEWER PLAN
19	SBD-7602-S19	PIPING PLAN AND DETAILS
20	SBD-7602-S20	PERIMETER WALL PROFILE SOUTH
21	SBD-7602-S21	PERIMETER WALL PROFILE EAST

SHEET LIST		
NO.	TITLE	DESCRIPTION
22	SBD-7602-S22	PERIMETER WALL PROFILE NORTH
23	SBD-7602-S23	PERIMETER WALL PROFILE WEST
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25	SBD-7602-S25	CMU BLOCK WALL DETAILS
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27	SBD-7602-S27	SCHEMATIC PLANTING PLAN
28	SBD-7671-S1	ARCHITECTURAL DETAILS 1
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31	SBD-7672-S2	GATE DETAILS
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LOCATION MAP
(ZONE ATLAS MAP M15)
NOT TO SCALE



VICINITY MAP
NOT TO SCALE



CONTACT:
DEREK KASTENDIECK
505-241-2922

REVISION

NO.	DATE	BY
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ENGINEER'S STAMP

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PNM PUBLIC SERVICE COMPANY OF NEW MEXICO

COVER AND INDEX OF SHEETS

SAGEBRUSH SUBSTATION

DR:	CKD:	OK:	DATE:
			12/21/21
APP:	SBD-7602-S1		SCALE:
REV. NO.			As Noted

1 OF 41

ABBREVIATIONS				SITING	
ABBREV	ABBREVIATION	FS	FAR SIDE	PC	PRECAST CONCRETE
ADD	ADDITIVE	FT	FEET/FOOT	PREFAB	PREFABRICATED
ADD'L	ADDITIONAL	FDN	FOUNDATION	PT	PRESSURE TREATED
ALT	ALTERNATE/ALTERNATIVE	FIN	FINISH	PVC	POLYVINYL CHLORIDE
ALUM	ALUMINUM	FIN GR	FINISH GRADE	PV	PLUG VALVE
ACI	AMERICAN CONCRETE INSTITUTE	FF	FINISHED FLOOR	PS	PIPE SUPPORT
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FL	FLANGE	PW	PLANT WATER
AISI	AMERICAN IRON AND STEEL INSTITUTE	FLR	FLOOR	P&VRV	PRESSURE & VACUUM RELIEF VALVE
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	FD	FLOOR DRAIN	PE	PLAIN END
AWS	AMERICAN WELDING SOCIETY	FTG.	FOOTING		
AB	ANCHOR BOLTS	FP	FULL PENETRATION WELD		
APPROX	APPROXIMATE			REF	REFERENCE
ARCH	ARCHITECTURE/ARCHITECTURAL	GA	GAGE/GAUGE	REINF	REINFORCING
ASPH	ASPHALT	GALV	GALVANIZED	RCP	REINFORCED CONCRETE PIPE
		GV	GATE VALVE	REQ'D	REQUIRED
BP	BASE PLATE/BEARING PLATE	GC	GENERAL CONTRACTOR	RW	RETAINING WALL
BM	BEAM	GEN	GENERAL	RD	ROOF DRAIN
BRG	BEARING	GS	GALVANIZED STEEL	RS	RAW SLUDGE
BM	BENCH MARK	GL	GRID LINE		
BIT	BITUMINOUS, BITUMASTIC			SCHED	SCHEDULE
BLK	BLOCK	HORIZ	HORIZONTAL	SHLDR	SHOULDER (ROADWAY)
B/	BOTTOM OF	HAS	HEADED ANCHOR STUD	SPC	SPACE/SPACES
BLDG	BUILDING	HT	HEIGHT	SPECS	SPECIFICATIONS
BU	BUILT-UP	HSB	HIGH STRENGTH BOLT (A-325)	SQ	SQUARE
BFV	BUTTERFLY VALVE	HWL	HIGH WATER LINE	SS	STAINLESS STEEL
BTWN	BETWEEN	HCL	HYDROCHLORIC ACID	STD	STANDARD
BOT	BOTTOM			STL	STEEL
		I	MOMENT OF INERTIA	SYM	SYMMETRICAL
CIP	CAST IN PLACE	IN	INCH	STRUCT	STRUCTURAL
CI	CAST-IRON	ID	INSIDE DIAMETER	SPCG	SPACING
CS	CAST-STEEL	INT	INTERIOR	SIM	SIMILAR
CTR	CENTER	INV	INVERT	STIFF	STIFFENER
CTRD	CENTERED	IF	INSIDE FACE	SN	SUPERNATANT
CL	CENTER LINE			TOC	TOP OF CONCRETE
C	CHANNEL	JB	JUNCTION BOX	TOF	TOP OF FLANGE
CLR	CLEAR/CLEARANCE	JT	JOINT	TOP	TOP OF PIPE
COL	COLUMN	JST	JOIST	TEMP	TEMPERATURE
CO	CLEAN-OUT			TENS	TENSION
CONC	CONCRETE	K	KIP (1000 POUNDS)	THK	THICK
CONT	CONTINUOUS	KWY	KEYWAY	THD	THREAD/THREADED
CB	CONCRETE BEAM			TB	TIE BEAM
CC	CONCRETE COLUMN	LDG	LANDING	TOL	TOLERANCE
CM	CONCRETE MASONRY	LGTH	LENGTH	T&B	TOP AND BOTTOM
CMU	CONCRETE MASONRY UNIT	LT WT	LIGHT WEIGHT	T/	TOP OF
COORD	COORDINATE	LF	LINEAR FEET	TDS	TURN DOWN SLAB
CONT	CONTINUOUS	LG	LONG	TYP	TYPICAL
CONN	CONNECTION	L	ANGLE	TS	TUBE STEEL/THICKENED SLAB
CONST	CONSTRUCTION	LLH	LONG LEG HORIZONTAL	TG	TEMPERATURE GUAGE
CJ	CONTROL JOINT	LLV	LONG LEG VERTICAL	TOW	TOP OF WALL
CSJ	CONSTRUCTION JOINT			TOS	TOP OF SLAB
CMP	CORRUGATED METAL PIPE	MID	MIDDLE		
CF	CUBIC FEET (FOOT)	MFR	MANUFACTURE/MANUFACTURER	UNO	UNLESS NOTED OTHERWISE (ALSO UON)
CY	CUBIC YARD	MB	MASONRY BEAM, MACHINE BOLT		
CV	CHECK VALVE	MO	MASONRY OPENING		
C & C	CLADDING & COMPONENTS	MATL	MATERIAL	VERT	VERTICAL
		MAX	MAXIMUM	VOL	VOLUME
		MECH	MECHANICAL	VPG	VACUUM & PRESSURE GUAGE COMBINATION
DAS	DOWEL ANCHOR STUD	MIN	MINIMUM		
DBA	DEFORMED BAR ANCHOR	MISC	MISCELLANEOUS	WF	WALL FOOTING
DEPT	DEPARTMENT	MPH	MILES PER HOUR	WP	WATERPROOF
DIA	DIAMETER	MET	METAL	WS	WELDED STUD
DIM	DIMENSION	MWFRS	MAIN WIND FORCE RESISTING SYSTEM	WWF	WELDED WIRE FABRIC
DIST	DISTANCE	M	MOTORIZED	WH	WEEP HOLE
DI	DUCTILE IRON			WT	WEIGHT, STRUCTURAL TEE SECTION
DN	DOWN	NS	NEAR SIDE	W/	WITH
DO	DISSOLVED OXYGEN	NIC	NOT IN CONTRACT	W/O	WITHOUT
DWG	DRAWING	NTS	NOT TO SCALE	WD	WOOD
DIAG	DIAGONAL	NO	NUMBER	WP	WORKING POINT
DET	DETAIL	NG	NATURAL GAS		
DIP	DUCTILE IRON PIPE			@	AT
		OC	ON CENTER	#	POUNDS
EA	EACH	OPNG	OPENING	+/-	PLUS OR MINUS
EE	EACH END	OF	OUTSIDE FACE	℄	CENTER LINE
EF	EACH FACE	OD	OUTSIDE DIAMETER	℄	PROPERTY LINE, PLATE
ES	EACH SIDE	ORP	OXIDATION REDUCTION POTENTIAL	Ø	DIAMETER
EW	EACH WAY			&	AND
ELEC	ELECTRIC/ELECTRICAL	PEN	PENETRATION	Sp	SECTION MODULUS
EL, ELEV	ELEVATION, ELEVATOR	PCF	POUNDS PER CUBIC FEET	Ip	MOMENT OF INERTIA
ENGR	ENGINEER	PAR	PARALLEL		
EQ SP	EQUAL SPACED	PJF	PREMOLDED BITUMINOUS JOINT FILLER		
EXIST	EXISTING	PL	PLATE		
EXP	EXPANSION	PLY	PLYWOOD	</	

SITE LEGEND		
PROPOSED	EXISTING	DESCRIPTION
NA	— — 8" SAS — —	SANITARY SEWER
	— — 8" SD — —	STORM SEWER
— W —	— — 6" WL — —	WATER LINE
NA	— — (XX) — —	MANHOLE: XX=SS SANITARY SEWER SD STORM DRAIN CO CLEAN OUT
	— — [Valve] — —	WATER LINE / VALVE
NA	MUELLER 1960	FIRE HYDRANT, MODEL & YEAR (FOR EXISTING ONLY)
		DROP INLET
	NA	REDUCER
	NA	WYE
	NA	WATERLINE
	NA	AV/RV
		TEE
		CROSS
		BEND
NA		CAP OR PLUG
NA		POLE
NA		SIGN
NA		POLE W/ LIGHT
NA		LIGHT POLE
NA	— — UGT — —	UNDERGROUND TELEPHONE LINE
— 2" HP G —	— — 2" HP G —	UNDERGROUND GAS LINE
NA	— — CATV UG —	UNDERGROUND CATV LINE
NA	— — UGE — —	UNDERGROUND ELECTRIC
NA	— - - - OHE — - - -	OVERHEAD ELECTRIC
NA	—————	RIGHT OF WAY LINE
NA	<<<<<<<<<<<<<<<<<<<<<<<<	PRESSURE ZONE BOUNDARY
	-----	GRAVEL/GRADED/UNPAVED ROAD
	=====	PAVED ROAD/BIKE PATH
NA	= = = = =	CURB AND GUTTER AND SIDEWALK
NA		BUILDING
NA		CONCRETE SIDEWALK OR DRIVEWAY
NA	— X — X —	WIRE FENCE
NA	— ○ — ○ —	CHAINLINK FENCE
NA	— □ — □ —	BLOCK WALL
NA	3'-6" S/W	3'-6" SIDEWALK
NA	———	ZONE MAP BOUNDARY
NA	□ WM	WATER METER
NA		WHEEL CHAIR RAMPS

DRAWING LEGEND

1
S-1

DETAIL

SCALE 1/8"=1'-0"

DETAIL TITLE

1
S-1

1
S-1

SECTION

?

REVISION

10'-0"
A.F.F.

ELEVATION (HEIGHT)

MATERIALS LEGEND

METAL

PLYWOOD

EARTH

BLOCKING

CONCRETE

GRAVEL

CONCRETE MASONRY UNIT

RIPRAP

BRICK/FOAM

CONTINUOUS WOOD

ENGINEER'S STAMP

ALVIN S. MEDINA
NEW MEXICO
16454
01/26/22
LICENSED PROFESSIONAL ENGINEER

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P N M PUBLIC SERVICE COMPANY OF NEW MEXICO

ABBREVIATIONS AND SYMBOLS

SAGEBRUSH SUBSTATION

DR: JSH

CKD: REM

APP:

REV. NO.

DATE: 12/21/21

SCALE: As Noted

SBD-7602-S2

2 OF 41

DATE: JUL 03, 2022 10:57/1111
XREFS: ACAD-COA-BDK 22XJ4
IMAGES: 3M signature.py

DWG: C:\Users\jessahiggins\Desktop\3062024\3062024.dwg
DATE: 01/26/22
USER: jessahiggins
SCALE: 1/8"=1'-0"
SHEET: 1 OF 1
PROJECT: SAGEBRUSH SUBSTATION
DRAWN BY: jessahiggins
CHECKED BY: jessahiggins
DATE: 01/26/22

GENERAL NOTES

1.

THE NOTES ON THIS SHEET AND THE STANDARD DETAILS ARE GENERAL AND APPLY TO THE ENTIRE PROJECT WHETHER SPECIFICALLY CALLED OUT OR NOT, EXCEPT WHERE THERE ARE SPECIFIC INDICATIONS TO THE CONTRARY ON SHEETS. IF THERE ARE QUESTIONS, THEY SHALL BE SUBMITTED TO THE ENGINEER AND ANSWERED IN WRITING PRIOR TO CONSTRUCTION.
2.

THE STANDARD DETAILS DEPICT TYPICAL DETAILING TO BE USED ON THIS PROJECT. IF CONDITIONS ARE NOT EXPLICITLY SHOWN ON THE DRAWINGS THEY SHALL BE MADE SIMILAR TO THE STANDARD DETAILS. OBTAIN APPROVAL OF ENGINEER IN WRITING FOR SIMILAR CONDITIONS PRIOR TO CONSTRUCTION.
3.

THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION AS REQUIRED TO COORDINATE NEW CONSTRUCTION. SUBMIT REQUIRED CHANGES FOR APPROVAL.
4.

CONTRACTOR TO SUBMIT FOR APPROVAL ALL EQUIPMENT SIZES, OPERATING WEIGHTS, VIBRATION FORCES, SUPPORT LOCATIONS, ALONG WITH ANY OPENINGS, NOTCHES, AND RECESSES REQUIRED BY SUCH EQUIPMENT.
5.

SHOP DRAWINGS SHALL BE FURNISHED FOR APPROVAL BEFORE ANY FABRICATION AND ERECTION IS STARTED. POORLY EXECUTED SHOP DRAWINGS SHALL BE REJECTED AND RESUBMITTED AT NO COST TO OWNER.
6.

ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AMENDMENT 1 TO UPDATE 9 OR MOST RECENT VERSION, REFERENCED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
7.

THE LOCATION OF EXISTING UNDERGROUND UTILITIES HAS BEEN DETERMINED BY INFORMATION PROVIDED BY OTHERS, AND SHALL BE CONSIDERED APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND SIZE OF ALL EXISTING UTILITY LINES PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES RESULTING FROM FAILURE TO LOCATE ANY AND ALL UTILITIES.
8.

THE CONTRACTOR SHALL SUPPORT AND MAINTAIN OPERATIONAL ALL UTILITIES EXPOSED DURING TRENCHING AND OTHER CONSTRUCTION OPERATIONS. ALL CONSTRUCTION ACTIVITIES INVOLVING GAS, POWER, WATER, FIBER OPTIC, TRAFFIC SIGNAL EQUIPMENT, AND/OR OTHER UTILITY LINES SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY PRIOR TO ANY DISTURBANCE. NO UTILITY SERVICE SHALL BE DISRUPTED WITHOUT FIRST NOTIFYING ALL AFFECTED PARTIES 48 HOURS IN ADVANCE.
9.

THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING VALVE BOXES, MANHOLES, SEWER SERVICES, PAVEMENTS, PAVEMENT MARKINGS, SIGN AND SIGNAL EQUIPMENT, CURB & GUTTER, DRIVE PADS, RIP-RAP, DRAINAGE CULVERTS AND ASSOCIATED APPURTENANCES, WHEEL CHAIR RAMPS, AND SIDEWALKS DURING CONSTRUCTION, APART FROM THESE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER WATER AUTHORITY AND COUNTY STANDARDS AT CONTRACTOR'S EXPENSE.
10.

ALL OPEN EXCAVATIONS SHALL BE BACKFILLED OR ADEQUATELY FENCED AT THE END OF EACH WORK DAY TO PREVENT PEDESTRIANS AND/OR VEHICLES FROM ENTERING THE EXCAVATIONS. ALL OPEN EXCAVATIONS SHALL BE BACKFILLED OVER WEEKENDS AND WHEN THE CONTRACTOR IS NOT WORKING THE FOLLOWING DAY.
11.

THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENT AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS. COST OF DISPOSAL IS CONSIDERED INCIDENTAL TO WORK AND NO SEPARATE PAYMENT WILL BE MADE.
12.

CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
13.

PRIOR TO CONSTRUCTION, EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE COST OF ALL POTHOLING INVESTIGATIONS IS CONSIDERED INCIDENTAL TO THE WORK AND NO SEPARATE PAYMENT WILL BE MADE.
14.

REMOVAL OF TREES, SHRUBS AND VEGETATION ALONG PIPELINE ALIGNMENTS, WHERE NECESSARY TO INSTALL PIPELINES AND APPURTENANCES, IS CONSIDERED INCIDENTAL TO THE WORK AND NO SEPARATE PAYMENT WILL BE MADE.

15.

PROTECT ALL LANDSCAPING, EXISTING WALLS, FENCES, STRUCTURES AND IMPROVEMENTS LOCATED WITHIN OR ADJACENT TO WORK AREAS, UNLESS OTHERWISE INDICATED IN PLANS. REPLACE ALL DISTURBED OR DAMAGED IMPROVEMENTS IN KIND, AT NO COST TO THE OWNER AND AS DIRECTED BY THE ENGINEER.
16.

REMOVAL AND REPLACEMENT OF FENCES IS CONSIDERED INCIDENTAL TO THE WORK AND NO SEPARATE PAYMENT WILL BE MADE.
17.

MAINTAIN ONE RECORD COPY OF ALL SPECIFICATIONS, DRAWINGS, ADDENDA, MODIFICATIONS AND SHOP DRAWINGS AT THE SITE IN GOOD ORDER. THESE DOCUMENTS SHALL BE ANNOTATED TO SHOW ALL CHANGES MADE DURING THE CONSTRUCTION PROCESS. THE DOCUMENTS SHALL BE AVAILABLE TO THE ENGINEER AT ALL TIMES. WITHIN 25 DAYS OF THE COMPLETION OF THE PROJECT, THE DOCUMENTS SHALL BE COLLATED IN ONE PACKAGE AND CERTIFIED BY THE CONTRACTOR AS A COMPLETE SET OF AS-BUILT RECORD DOCUMENTS AND DELIVERED TO THE ENGINEER. MONTHLY PAYMENTS WILL NOT BE PROCESSED WITHOUT APPROVED UP TO DATE REDLINE DRAWINGS.
18.

CONTRACTOR SHALL VIDEO RECORD THE WORK AREA, INCLUDING ALL LANDSCAPING, ROCK AND GRAVEL, TREES, SHRUBS, BUILDINGS, TANK EXTERIOR, GAS ROOM EXTERIOR AND INTERIOR, INCLUDING ALL WALLS, APPURTENANCES, EQUIPMENT, PIPING AND TUBING, PIPE SUPPORT, RAILINGS, GRATINGS, ETC., STRUCTURES THAT FRONT ON WORK AREAS PRIOR TO BEGINNING CONSTRUCTION AND PROVIDE A COPY OF ALL DVD RECORDINGS TO THE OWNER AND TO THE ENGINEER.
19.

PERFORM ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES IN ACCORDANCE WITH OSHA 29CFR1926.650 SUBPART A.
20.

THE CONTRACTOR SHALL GRADE AND RESURFACE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE SPECIFICATIONS TO A CONDITION EQUAL TO, OR BETTER THAN, THE PRE-CONSTRUCTION CONDITION.
21.

THE ELEVATIONS OF EXISTING STRUCTURES SHOWN MAY VARY. CONTRACTOR TO FIELD VERIFY PRIOR TO CONSTRUCTION.
22.

CONTRACTOR TO MAINTAIN PLANT ROADWAY ACCESS TO ALL FACILITIES FOR MAINTAINING PLANT OPERATIONS DURING CONSTRUCTION. IF THE WORK REQUIRES INTERRUPTION OF EXISTING ACCESS TO PLANT FACILITIES THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS (APPROVED BY THE OWNER) TO THESE FACILITIES. THE CONTRACTOR MUST SUBMIT A COORDINATION AND ASSISTANCE REQUEST (C&A) WITH THE PROPOSED ACTION OR INTERRUPTION OF PLANT OPERATIONS FOR APPROVAL BY PLANT OPERATIONS, A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF THE WORK.
23.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

UNLESS DETAILED, SPECIFIED OR INDICATED OTHERWISE, CONSTRUCTION SHALL BE AS INDICATED IN THE APPLICABLE TYPICAL DETAILS AND GENERAL NOTES. TYPICAL DETAILS ARE MEANT TO APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS OR IN SPECIFIC DRAWINGS.

COORDINATE DEMOLITION AND PIPING INSTALLATION WITH OWNERS OPERATIONS.
24.

ANY DEVIATIONS FROM CONTRACT DOCUMENTS, INCLUDING DRAWINGS AND/OR SPECIFICATIONS, MUST BE ACCEPTED BY THE ENGINEER IN WRITING PRIOR TO THE WORK BEING DONE. ANY DEVIATIONS PERFORMED WITHOUT THE ENGINEER'S ACCEPTANCE WILL NOT BE PAID FOR, AND MAY BE REQUIRED TO BE REDONE AT THE CONTRACTOR'S EXPENSE.

ENVIRONMENTAL PROTECTION AND EROSION, STORM WATER, AND SEDIMENT CONTROL

1.

THE CONTRACTOR IS RESPONSIBLE FOR ALL EROSION, STORM WATER "SWPPP" AND SEDIMENTATION CONTROL, ENVIRONMENTAL PROTECTION MEASURES, AND PERMITTING.
2.

ALL ENVIRONMENTAL PROTECTION AND SWPPP MEASURES SHALL BE INSTALLED AND FUNCTIONAL PRIOR TO BEGINNING CONSTRUCTION AND SHALL BE MAINTAINED UNTIL PROJECT COMPLETION.
3.

ALL EXISTING DRAINAGE FEATURES SHALL BE PROTECTED.
4.

CONTRACTOR SHALL DEVELOP A HEALTH AND SAFETY PLAN IN ACCORDANCE WITH ALBUQUERQUE ENVIRONMENTAL DEPARTMENT (AEHD) INTERIM LANDFILL GUIDELINES AND OBTAIN AEHD APPROVAL PRIOR TO STARTING CONSTRUCTION.
5.

CONTRACTOR SHALL ADHERE TO THE LANDFILL MANAGEMENT PLAN (DATED MARCH 31, 2014) ACTION LEVELS DEVELOPED IN ACCORDANCE TO RESOURCES CONSERVATION AND RECOVERY ACT, SUBTITLE D SAFETY STANDARDS FOR MSW LANDFILLS (40 CFR 257.3-8).
6.

CONTRACTOR SHALL ADHERE TO THE RCRA WORKER HEALTH AND SAFETY REQUIREMENTS IN ACCORDANCE TO THE LANDFILL MANAGEMENT PLAN. CONTRACTOR IS SUBJECT TO REQUIREMENTS OF OSHA STANDARD 1910.120 "HAZARDOUS WASTE OPERATION AND EMERGENCY RESPONSE" (HAZWOPER) AND SHALL BE HAZWOPER 40-HR CERTIFIED.
7.

CONTRACTOR SHALL HAVE DOT HAZARDOUS WASTE SHIPPING TRAINING NECESSARY TO ACT AS AGENT TO SIGN WASTE MANIFESTS ON BEHALF OF PNM.
8.

CONTRACTOR SHALL HAVE ASBESTOS AWARENESS TRAINING MEETING OSHA AND EPA REQUIREMENTS FOR WORKERS WHO MAY ENCOUNTER ASBESTOS MATERIALS.
9.

CONTRACTOR SHALL ADHERE TO THE WASTE EXCAVATION PLAN PREPARED FOR THE SAGEBRUSH SUBSTATION.
10.

CONTRACTOR SHALL SCREEN AND SEPARATE CLEAN SOIL FROM EXCAVATED WASTE. THE CONTRACTOR SHALL MINIMIZE THE AMOUNT WASTE HAULED TO THE CERRO COLORADO LANDFILL.
11.

CONTRACTOR SHALL STAGE EXCAVATED CLEAN SOIL TO ALLOW FOR TESTING AND VERIFICATION OF COMPLIANCE WITH NMED INDUSTRIAL AND OCCUPATIONAL SOIL SCREENING LEVELS.
12.

CONTRACTOR SHALL STAGE ALL POTENTIALLY PETROLEUM CONTAMINATED SOIL FOR SAMPLING AND VERIFICATION OF NON-SPECIAL WASTE REQUIREMENTS.
13.

EXCESS CLEAN SOIL WILL BE HAULED TO THE PNM PROSPERITY PROPERTY AS PER CONSTRUCTION PLANS.
14.

CONTRACTOR SHALL ADHERE TO EPA NPDES REQUIREMENTS AND ADHERE TO SWPPP PROVIDED IN THE CONSTRUCTION PLANS

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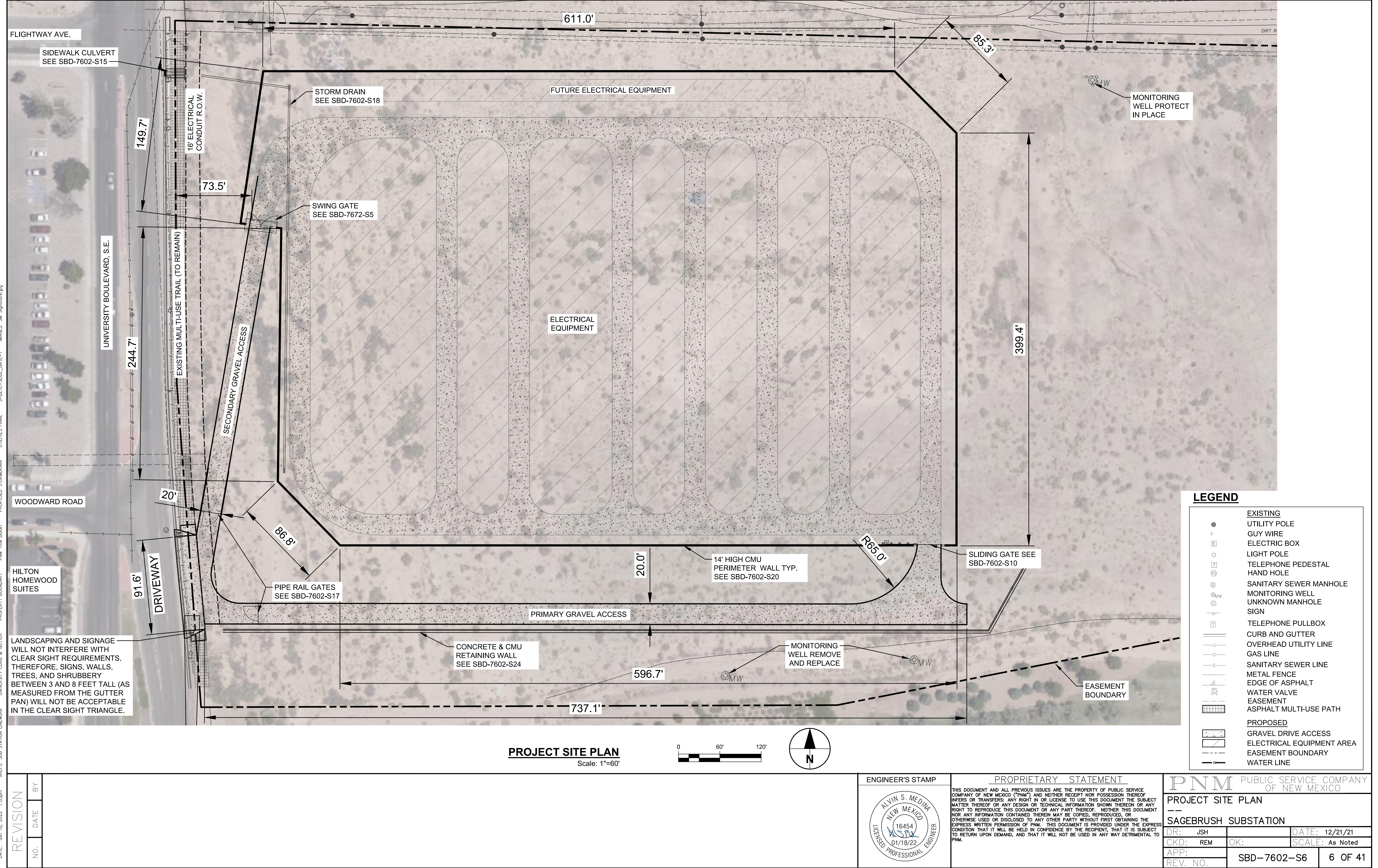
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GENERAL NOTES

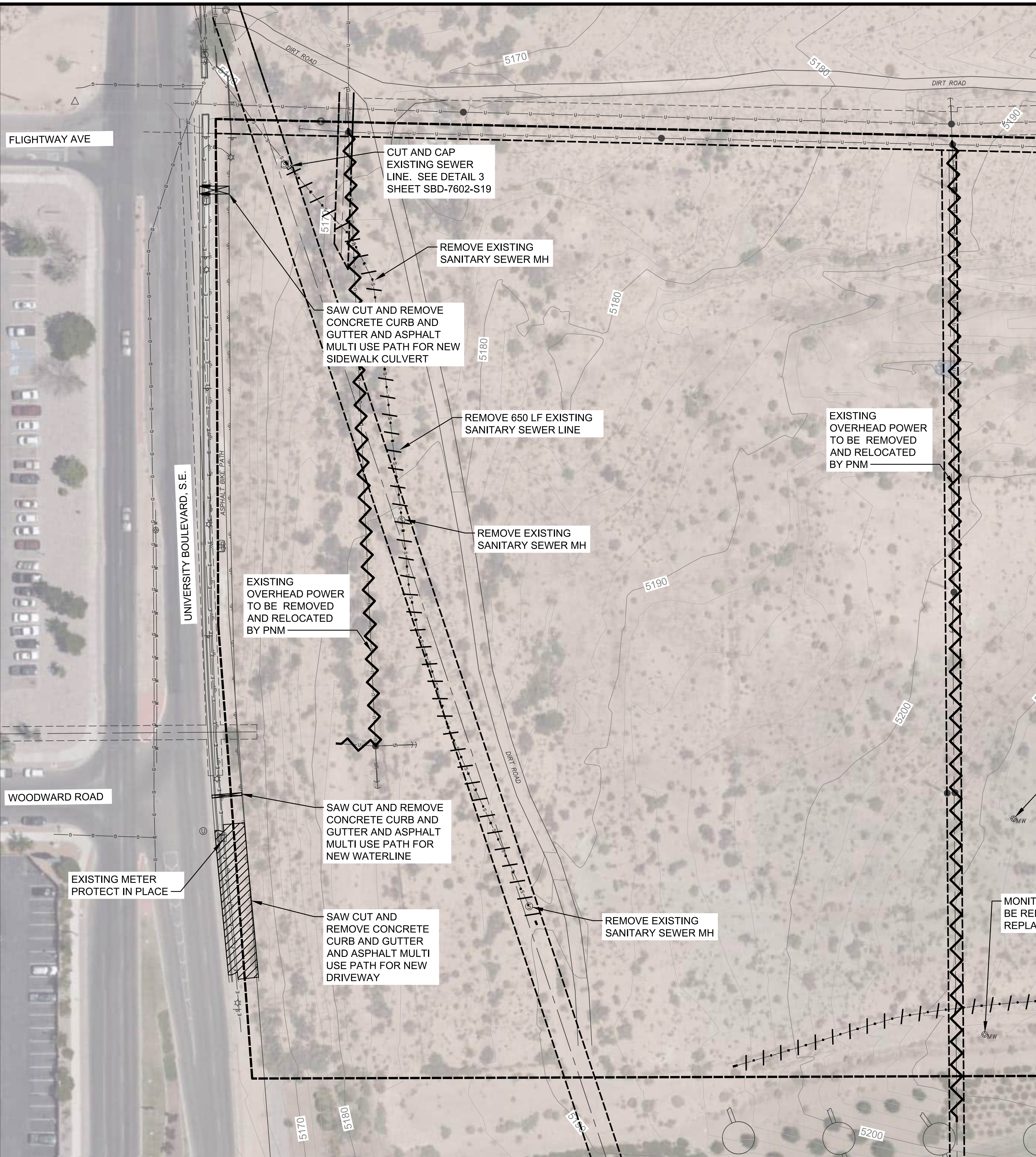
SAGEBRUSH SUBSTATION

DR:	JSH	DATE:	12/21/21
CKD:	REM	OK:	SCALE: As Noted
APP:	SBD-7602-S3		3 OF 41
REV. NO.			



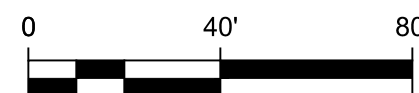
REVISION

NO. DATE BY



LEGEND

EXISTING	
UTILITY POLE	●
GUY WIRE	-
ELECTRIC BOX	⊞
LIGHT POLE	☆
TELEPHONE PEDESTAL	⊞
HAND HOLE	⊞
SANITARY SEWER MANHOLE	⊞
MONITORING WELL	⊞
UNKNOWN MANHOLE	⊞
SIGN	⊞
TELEPHONE PULLBOX	⊞
CURB AND GUTTER	—
OVERHEAD UTILITY LINE	—
GAS LINE	—
SANITARY SEWER LINE	—
CHAINLINK FENCE	—
METAL FENCE	—
METAL FENCE	—
EDGE OF ASPHALT	—
WATER VALVE	—



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PNM PUBLIC SERVICE COMPANY OF NEW MEXICO

DEMOLITION PLAN

SAGEBRUSH SUBSTATION

DR: JSH	DATE: 12/21/21
CKD: REM	OK: SCALE: As Noted
APP:	
REV. NO.	SBD-7602-S7 7 OF 41

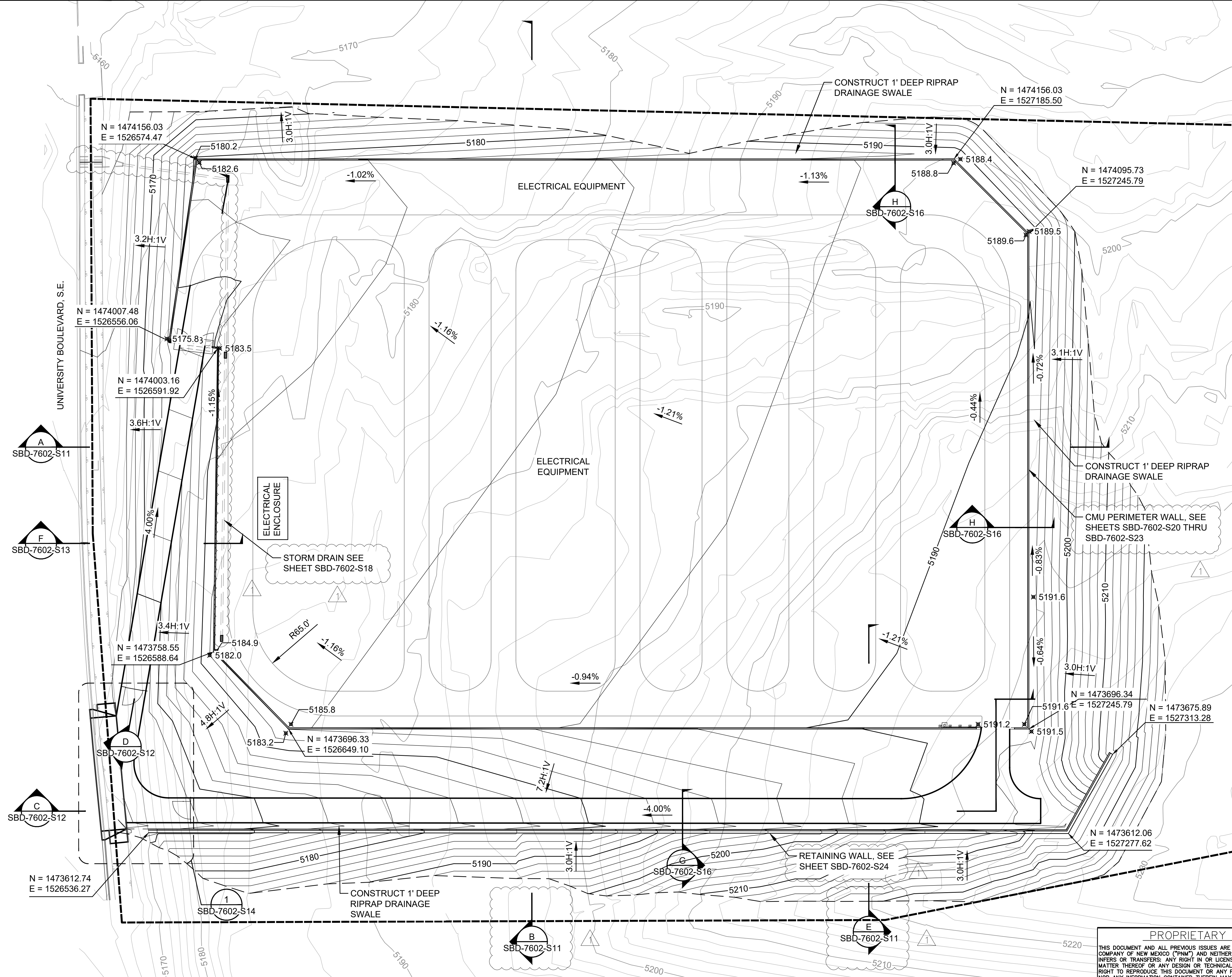
DEMOLITION PLAN

Scale: 1"=40'

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REVISION		
NO.	DATE	BY
1	06/06/22	JSH




City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 06/10/22
BY: *Renee C. Brissett*
M15D049

THE APPROVAL OF THESE PLANS/REPORT SHALL NOT BE
CONSIDERED TO PREVENT VIOLATIONS OF ANY CITY
ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT
THE CITY OF ALBUQUERQUE FROM PROSECUTING
CORRECTION, OR ERROR OR DIMENSIONS IN PLANS,
SPECIFICATIONS, OR CONTRACTS. SUCH APPROVED PLANS
SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT
AUTHORIZATION.

A north arrow pointing upwards, labeled 'N' at the bottom. To its right is a graphic scale bar with markings for 0, 40', and 80'.

PROPRIETARY STATEMENT

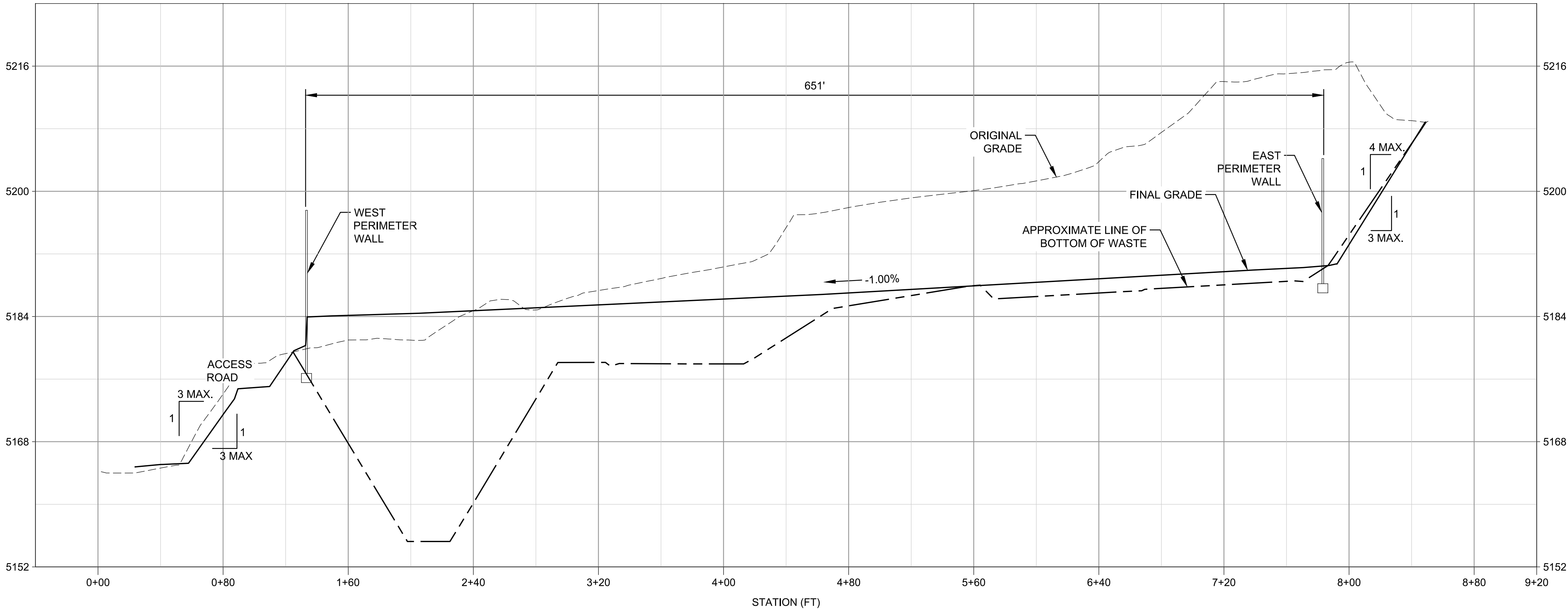
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 PUBLIC SERVICE COMPANY OF NEW MEXICO		
DRAINAGE AND GRADING PLAN		
--		
SAGEBRUSH SUBSTATION		
DR: JSH		DATE: 12/21/21
CKD: REM	OK:	SCALE: As Noted
APP:		
REV. NO. 1	SBD-7602-S10	10 OF 41

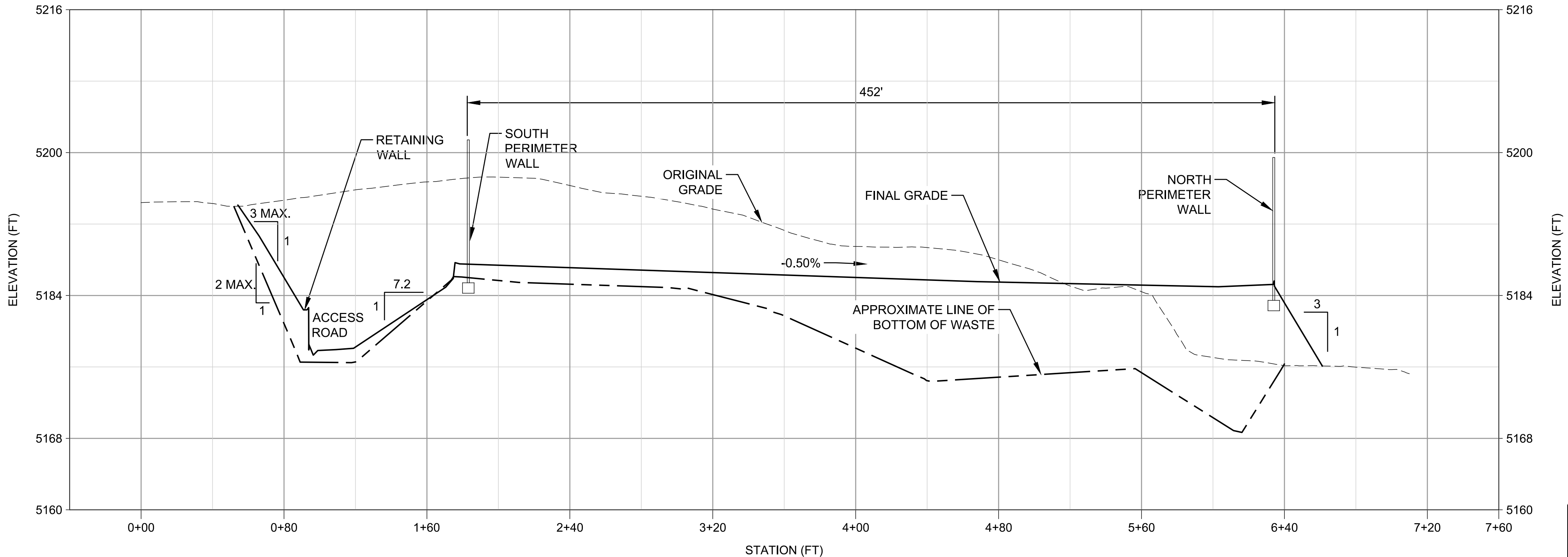
DRAINAGE AND GRADING PLAN

Scale: 1"=40'

C:\Users\jess.higgins\Desktop\Substation\Substation.dwg
DATE: 01/26/22
USER: jess.higgins
UNIVERSITY: JESS & JESS
ACAD: COA-BDR-22334
XREFS: SUB STATION LINEWORK
PROPOSED STORMDRAIN
IMAGES: SM Signature.jpg
SM Signature.jpg
PROPERTY BOUNDARY



A SECTION
SBD-7602-S10 Scale: Vert. 1"=8'
Horiz. 1"=40'



B SECTION
SBD-7602-S10 Scale: Vert. 1"=8'
Horiz. 1"=40'

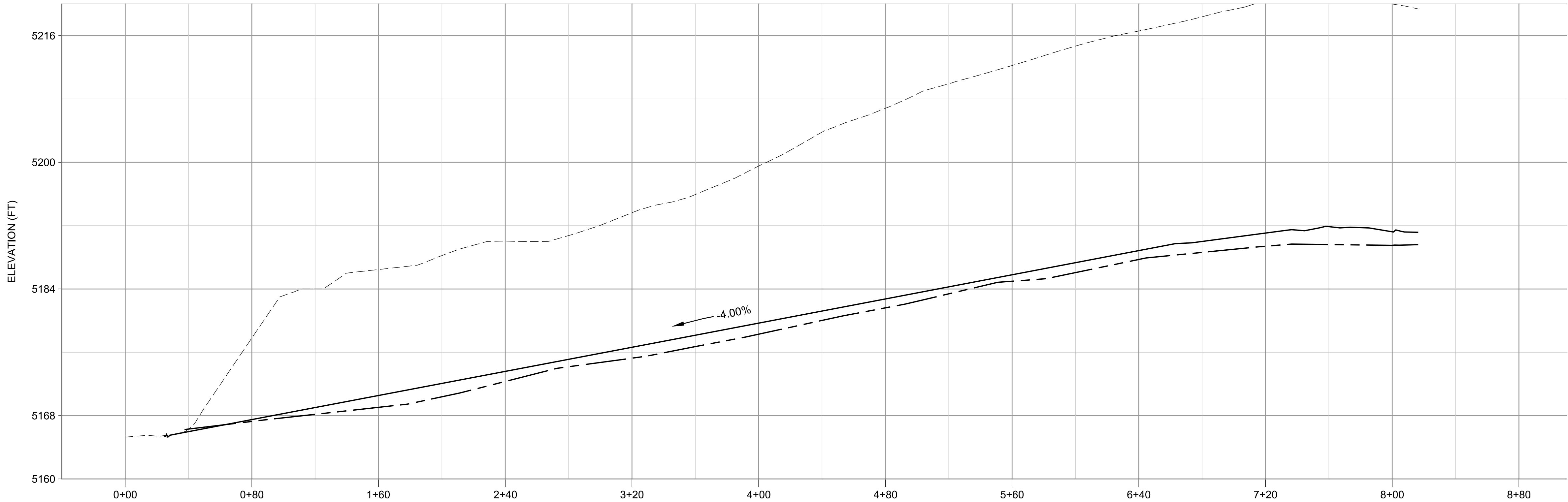
LEGEND	
—————	DESIGN SURFACE
-----	INITIAL EXCAVATION
-----	EXISTING GROUND



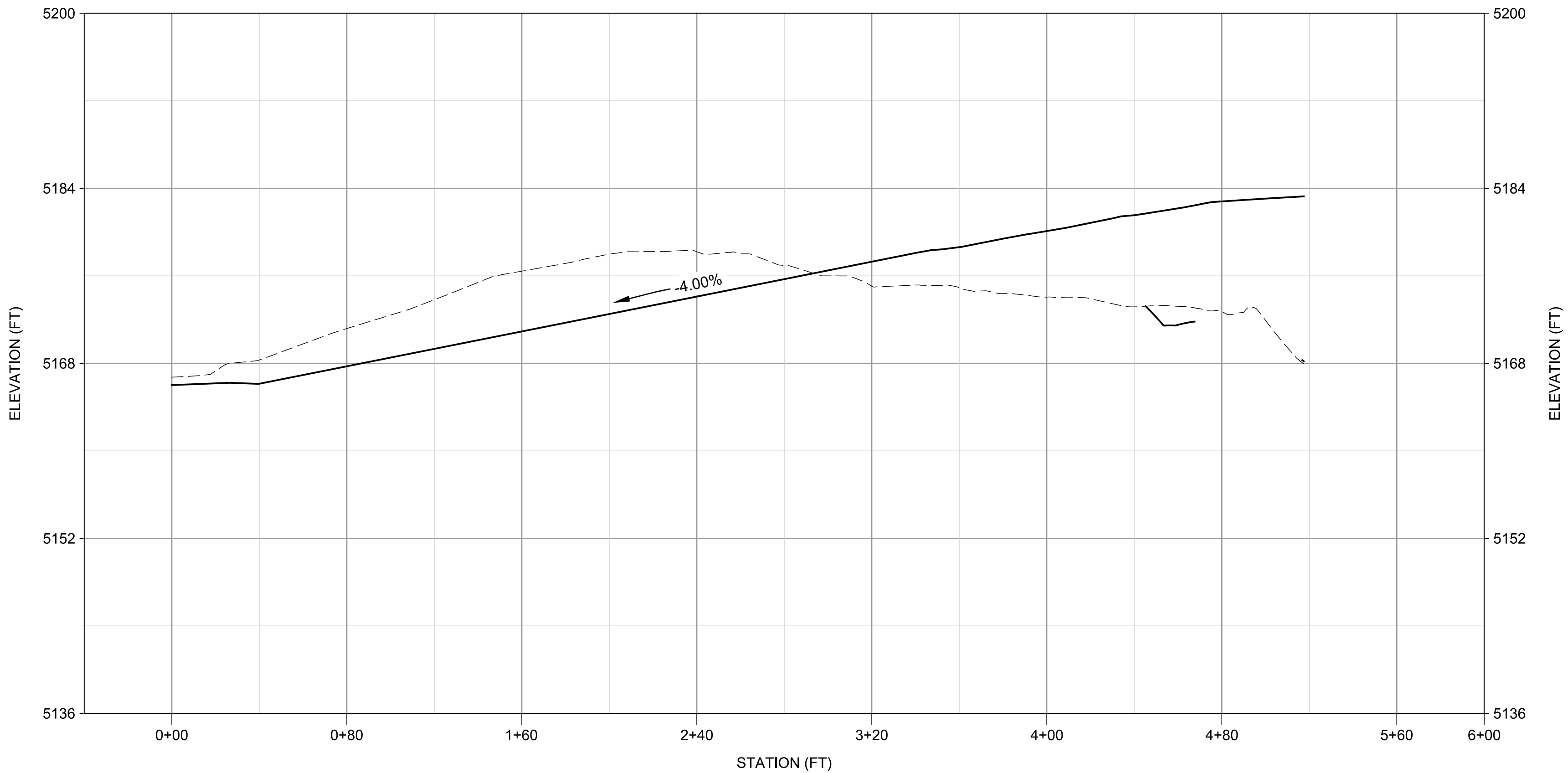
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DRAINAGE AND GRADING SECTIONS 1		SAGEBRUSH SUBSTATION	
DR:	JSH	DATE:	12/21/21
CKD:	REM	OK:	SCALE: As Noted
APP:	SBD-7602-S11		11 OF 41
REV. NO.			

REVISION

NO. DATE BY



C | ACCESS ROAD PROFILE
SBD-7602-S10 Scale: Vert. 1"=40'
Horiz. 1"=8'



D | ACCESS ROAD PROFILE
SBD-7602-S10 Scale: Vert. 1"=40'
Horiz. 1"=8'

LEGEND

- DESIGN SURFACE
- INITIAL EXCAVATION
- EXISTING GROUND



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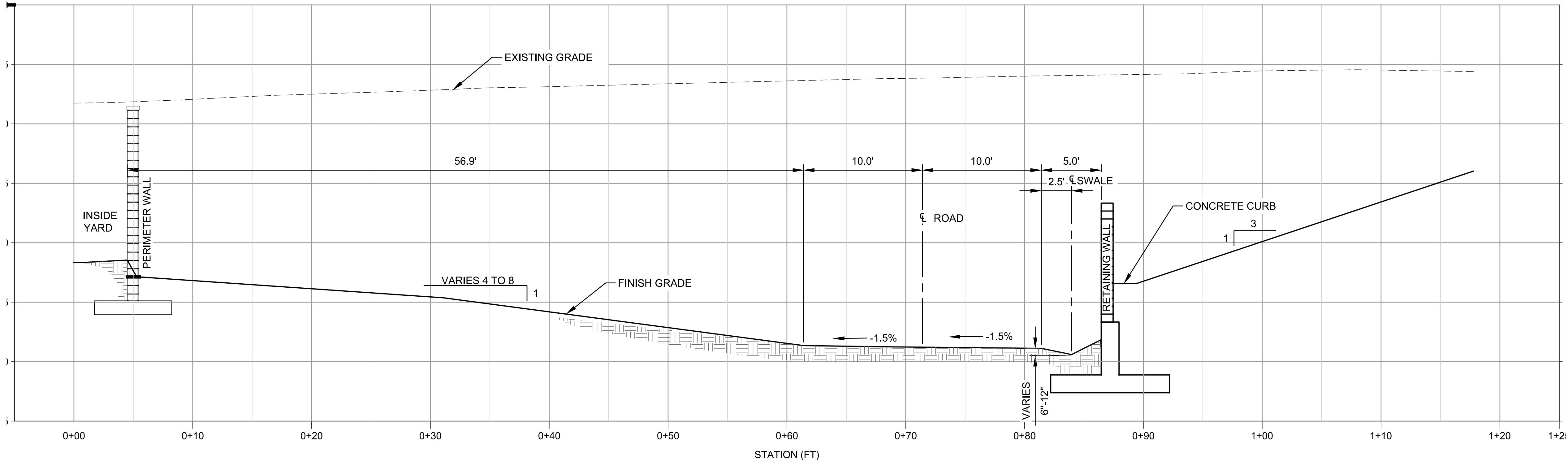
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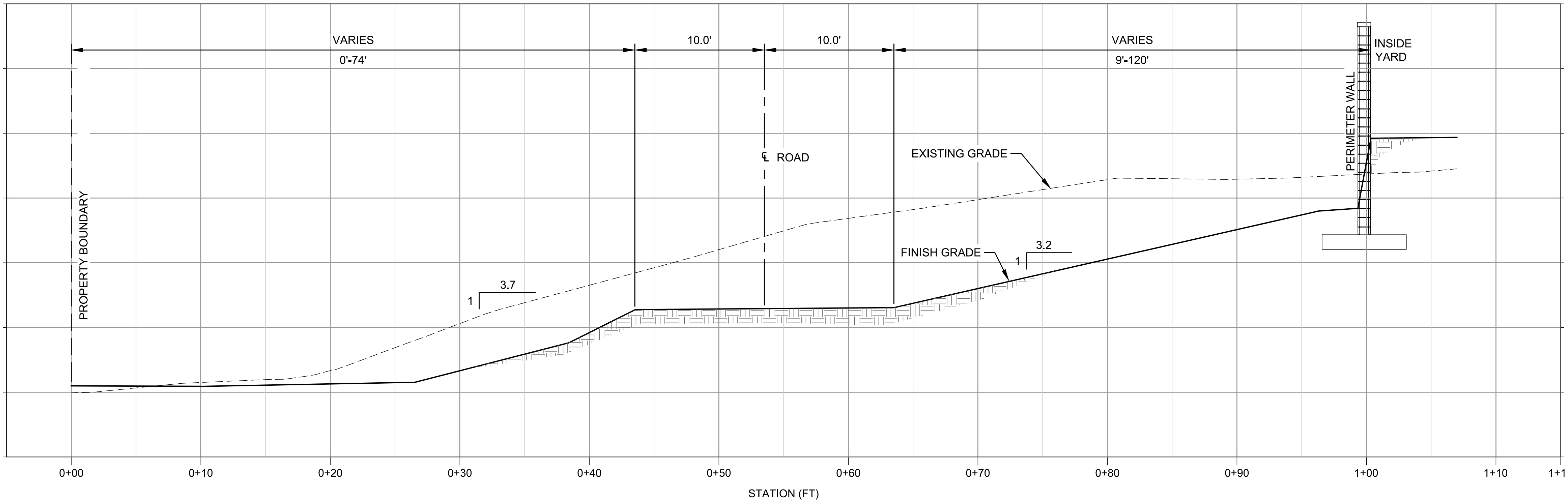
DRAINAGE AND GRADING SECTIONS 2

SAGEBRUSH SUBSTATION

DR: JSH	DATE: 12/21/21
CKD: REM	OK: SCALE: As Noted
APP:	
REV. NO.	SBD-7602-S12 12 OF 41



E | PRIMARY ACCESS ROAD TYPICAL SECTION
SBD-7602-S10
Scale: Vert. 1"=5'
Horiz. 1"=5'



F | SECONDARY ACCESS ROAD TYPICAL SECTION
SBD-7602-S10
Scale: Vert. 1"=5'
Horiz. 1"=5'



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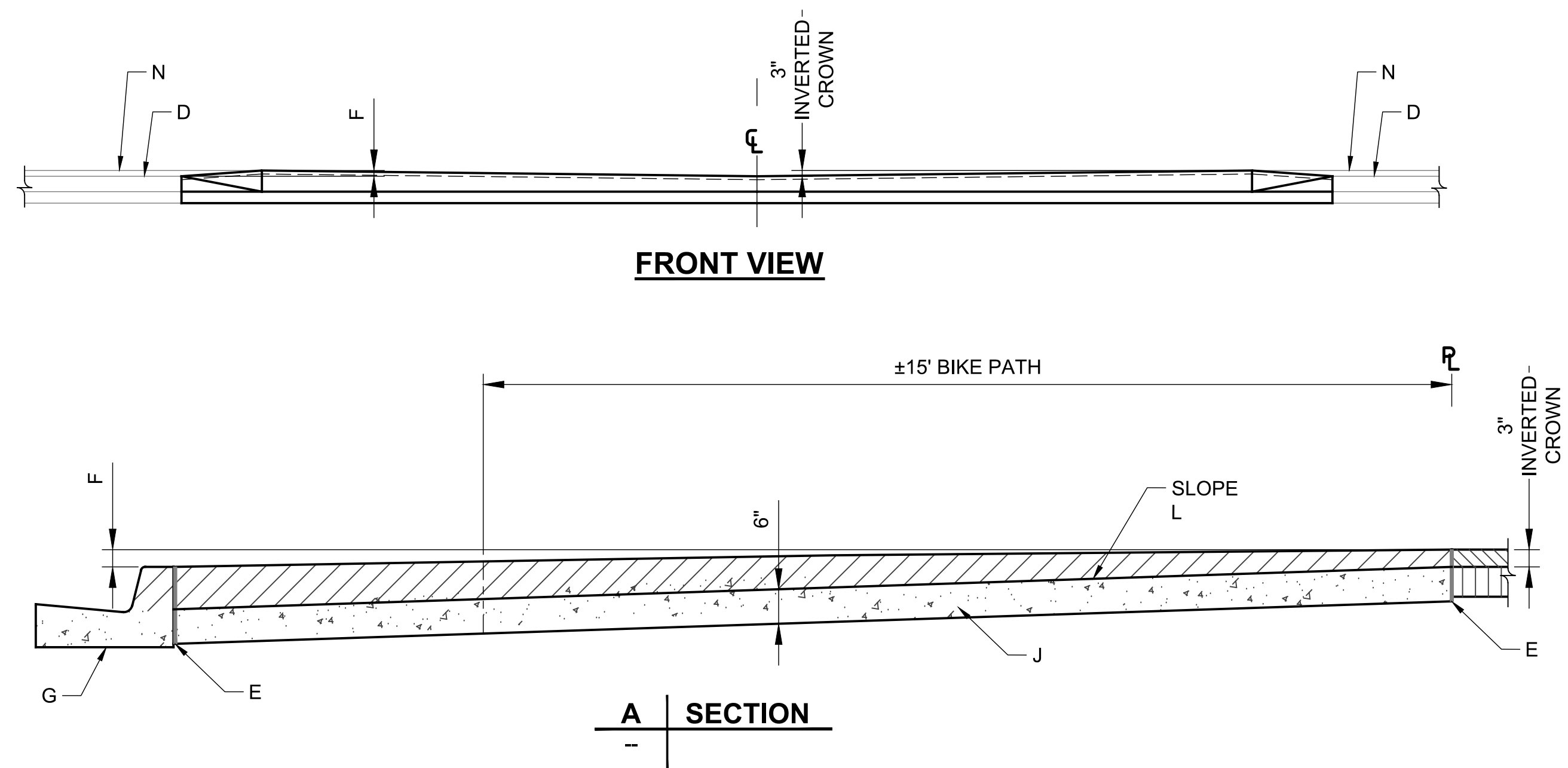
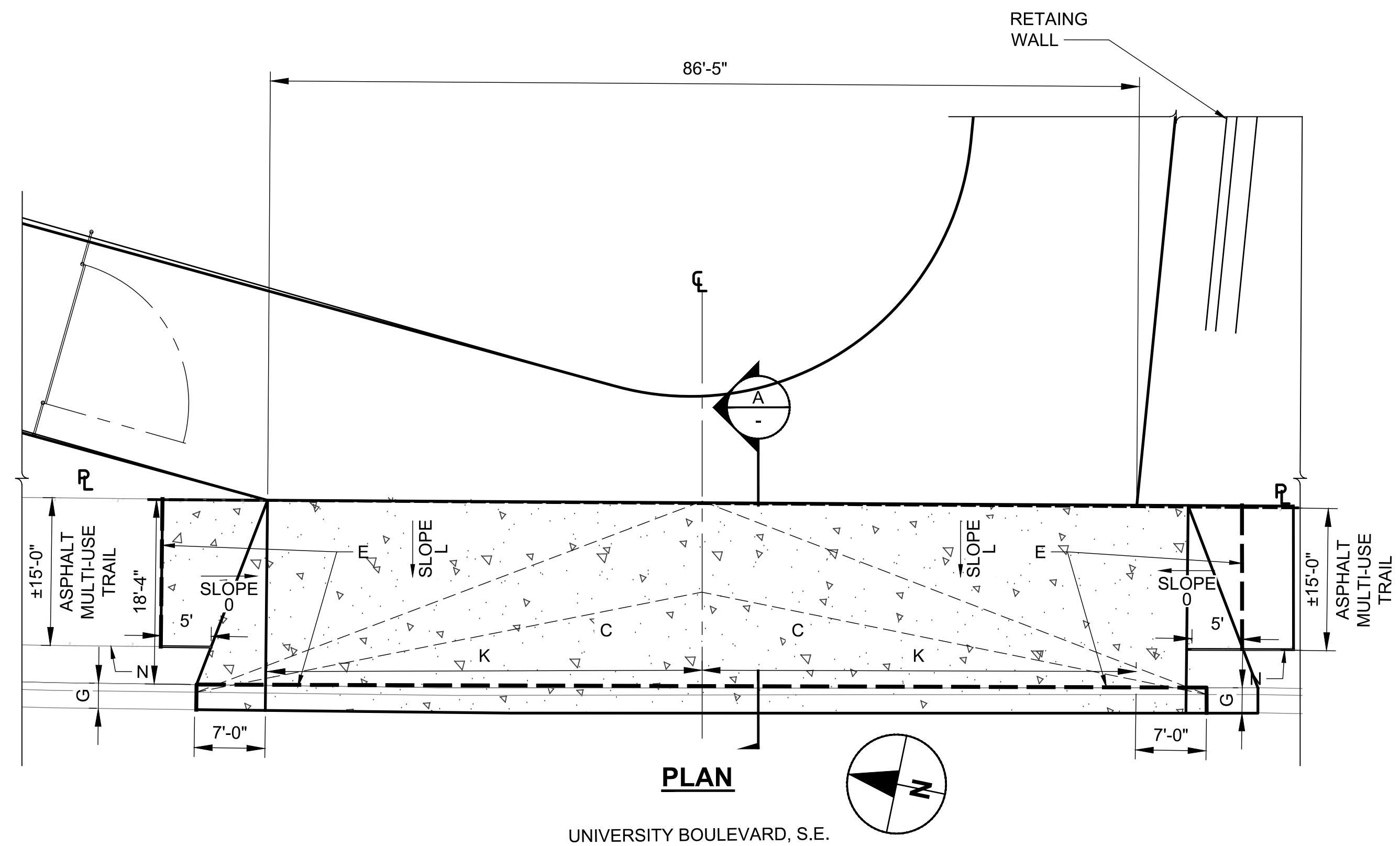
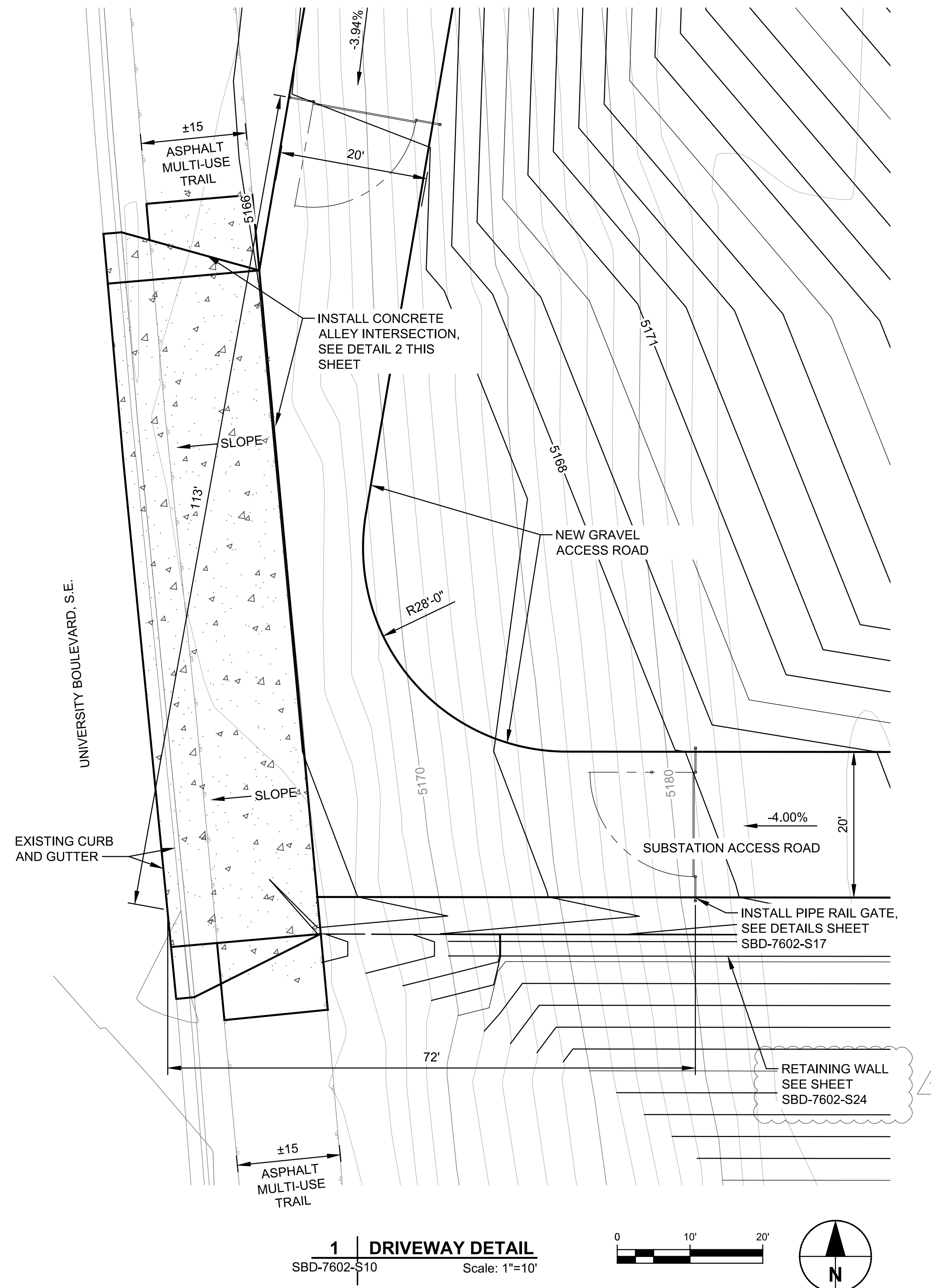
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PNM PUBLIC SERVICE COMPANY OF NEW MEXICO			
ACCESS ROADS TYPICAL SECTIONS			
SAGEBRUSH SUBSTATION			
DR:	OK:	DATE: 12/21/21	
CKD:	APP:	SCALE: As Noted	
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- ## **CONSTRUCTION NOTES**
- A. CONCRETE SIDEWALK.
 - B. ALLEY GUTTER, SEE DWGS 2411 & 2415.
 - C. TRANSITION FROM 3" INVERTED ALLEY CROWN TO NO CROWN AT BACK OF CURB.
 - D. TOP OF CURB
 - E. 1/2" EXPANSION JOINT
 - F. THE FINISH GRADE ELEVATION DIFFERENCE BETWEEN TOP OF ALLEY AT PROPERTY LINE AND TOP OF CURB AS DETERMINED BY A SLOPE OF 1 (VERTICAL) TO 50 (HORIZONTAL) FROM TOP OF CURB UP TO TOP OF ALLEY.
 - G. CURB AND GUTTER (SEE STD 2415 ADA OPTION).
 - H. SLOPE SHOULD BE ADJUSTED TO PROVIDE A UNIFORM TRANSITION BETWEEN DRIVEPAD AND SIDEWALK (NOT TO EXCEED 1 (VERTICAL) TO 12 (HORIZONTAL) UNITS OF MEASURE FOR ADA COMPLIANCE).
 - J. DRIVEPAD, CONSTRUCTION WITH PORTLAND CEMENT CONCRETE (SEE SPECIFICATIONS SECTION 101).
 - K. WEAKENED PLANE. (SAWCUT OR SCORE TO 1/4 DEPTH OF CONCRETE SLAB.
 - L. SLOPE 1.5% (2% MAX.) UNITS OF IDENTICAL MEASURE.
 - M. ADA = AMERICANS WITH DISABILITIES ACT.
 - N. EDGE OF MULTI-USE TRAIL (FRONT OR BACK).
 - O. STRAIGHT LINE SLOPE NOT TO EXCEED 1 (VERTICAL) TO 12 (HORIZONTAL) HORIZONTAL UNITS OF MEASURE.



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PNM PUBLIC SERVICE COMPANY
OF NEW MEXICO

DRIVEWAY DETAILS

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SAGEBRUSH SUBSTATION

DR:		DATE: 12/21/21
CKD:	OK:	SCALE: As Noted
APP:		
REV. NO. 1	SBD-7602-S14	14 OF 41

PRIVATE DRAINAGE FACILITIES
WITHIN CITY RIGHT-OF-WAY
NOTICE TO CONTRACTOR
(SPECIAL ORDER 19 ~ “SO-19”)

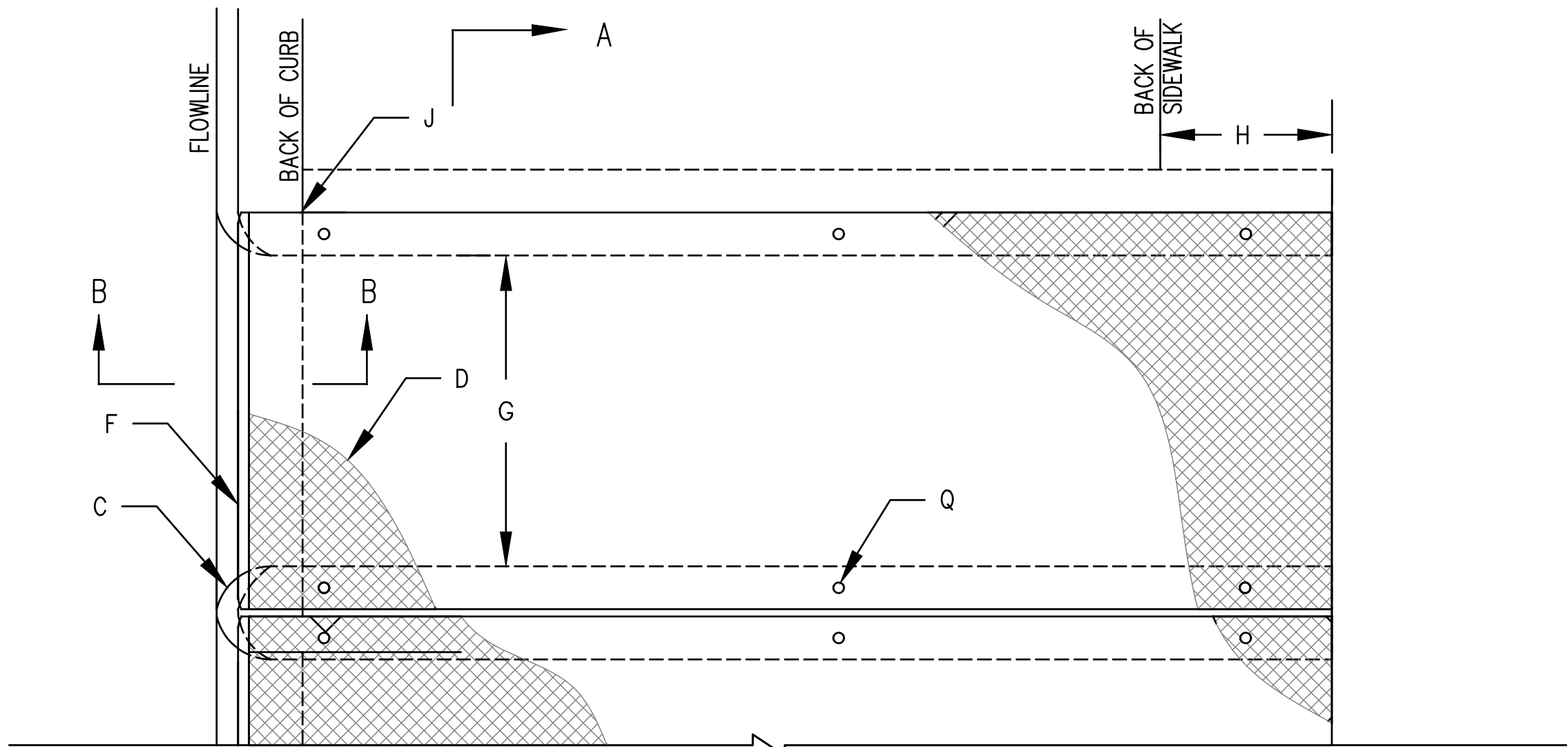
- BUILD SIDEWALK CULVERT PER COA STD DWG 2236. WORK IS PERMITTED AND INSPECTED BY DMD CONSTRUCTION SERVICES DIVISION.
- AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT **NEW MEXICO ONE CALL, DIAL “811” [OR (505) 260-1990]** FOR THE LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- BACKFILL COMPACTION SHALL BE 95%.
- MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED.
- WORK ON ARTERIAL STREETS MAY BE REQUIRED ON A 24-HOUR BASIS.
- FOR EXCAVATION AND BARRICADING INSPECTIONS, CONTACT DMD CONSTRUCTION SERVICES DIVISION.

GENERAL NOTES

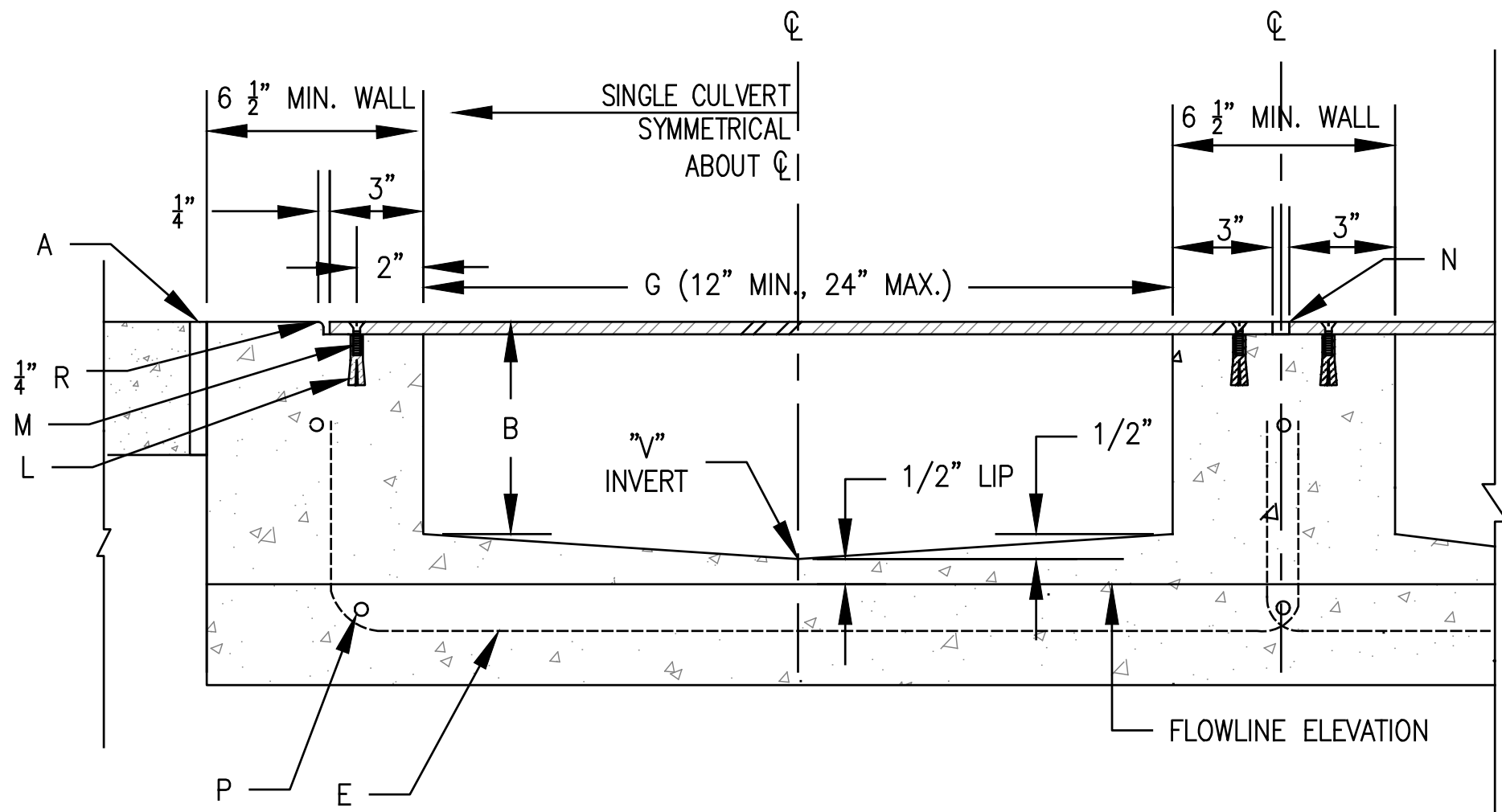
- PLACING OF DRAIN THRU EXISTING SIDEWALK AND CURB & GUTTER REQUIRES THAT THE ENTIRE SIDEWALK AND CURB AND GUTTER STONES BE REMOVED AND REPLACED AS DETAILED HEREIN.
- THE CULVERT SHALL BE POURED MONOLITHICALLY WITH NEW GUTTER.
- THE INVERT SHALL BE TROWELED TO PRODUCE A HARD POLISHED SURFACE OF MAXIMUM DENSITY AND SMOOTHNESS. INVERT SHALL BE V-SHAPED TO WITHIN 3” OF OUTLET, THEN WARPED PARALLEL TO FLOWLINE AT THE OUTLET, UNLESS OTHERWISE SHOWN.
- LENGTH OF EACH PLATE SHALL BE SUCH THAT THE WEIGHT WILL NOT EXCEED 300 LBS. CLEAN SURFACE OF PLATE AND PAINT WITH ONE SHOP COAT RED OXIDE AND TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
- THE CITY WILL NOT ASSUME RESPONSIBILITY FOR MAINTENANCE OF ANY SIDEWALK CULVERT INSTALLED BY OR FOR PRIVATE PROPERTY OWNERS.
- CULVERT MUST BE PERPENDICULAR TO THE CURB.

CONSTRUCTION NOTES

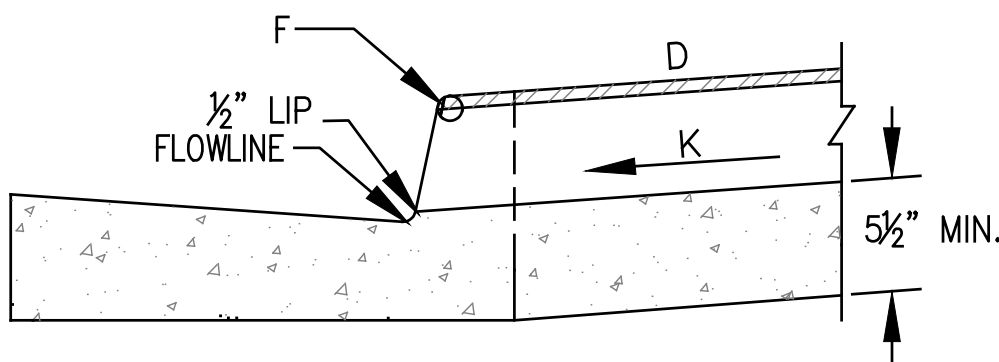
- INSTALL $\frac{1}{2}$ ” EXPANSION JOINT.
- 7” DEPTH WHEN USED IN CONJUNCTION WITH 8” CURB; 5” DEPTH WHEN USED WITH 6” CURB.
- 3” RADIUS (TYPICAL).
- $\frac{3}{8}$ ” CHECKERED STEEL PLATE (PAINT PER NOTE 4, ABOVE).
- NO. 3 REBAR \sqcup , SPACE AT 18” O.C. MAXIMUM, $1\frac{1}{2}$ ” MINIMUM FROM FACE OF CONCRETE. STAGGER FOR MULTIPLE CULVERTS.
- WELD $\frac{3}{4}$ ” STEEL ROD TO PLATE, FULL LENGTH OF PLATE; GRIND ENDS FLUSH TO THE FACE OF CURB.
- DRAIN WIDTH PER PLAN (12” MINIMUM, 24” MAXIMUM).
- EXTEND CULVERT AND STEEL PLATE 1-FOOT BEYOND BACK OF SIDEWALK, UNLESS RESTRICTED BY PROPERTY LINE.
- IF SIDEWALK IS NOT AT BACK OF CURB, EXTEND CULVERT AND STEEL PLATE TO FACE OF CURB.
- SLOPE $\frac{1}{4}$ ” PER FOOT (MINIMUM).
- FOR SECURING PLATE USE POWERSO 3/8-16 CARBON STEEL FLANGED DROPIN ANCHOR OR APPROVED EQUAL. INSTALL USING SETTING TOOL AND MANUFACTURER’S INSTRUCTIONS AT MAX 24” O.C. A MINIMUM OF 2 PER SIDE AND WITHIN 6” OF EACH END.
- 3/8-16X1” COUNTERSUNK, STAINLESS STEEL, MACHINE SCREW. COVER HEAD WITH 2-PART EPOXY.
- FILL VOID BETWEEN PLATES WITH NP-1 SEALANT OR CITY APPROVED EQUIVALENT.
- NO. 3 REBAR, CONTINUOUS.
- HOLE DIAMETER AT BOTTOM OF COUNTERSUNK HOLE OF STEEL PLATE TO BE $\frac{1}{2}$ ” DIAMETER.



PLAN
SINGLE OR MULTIPLE CULVERT



SECTION A-A
SINGLE OR MULTIPLE CULVERT



SECTION B-B
SINGLE OR MULTIPLE CULVERT

1 | DRAINAGE SIDEWALK CULVERT DETAIL
SBD-7602-S15 Scale: NOT TO SCALE

REVISION		NO.	DATE	BY
		1	06/06/22	JSH

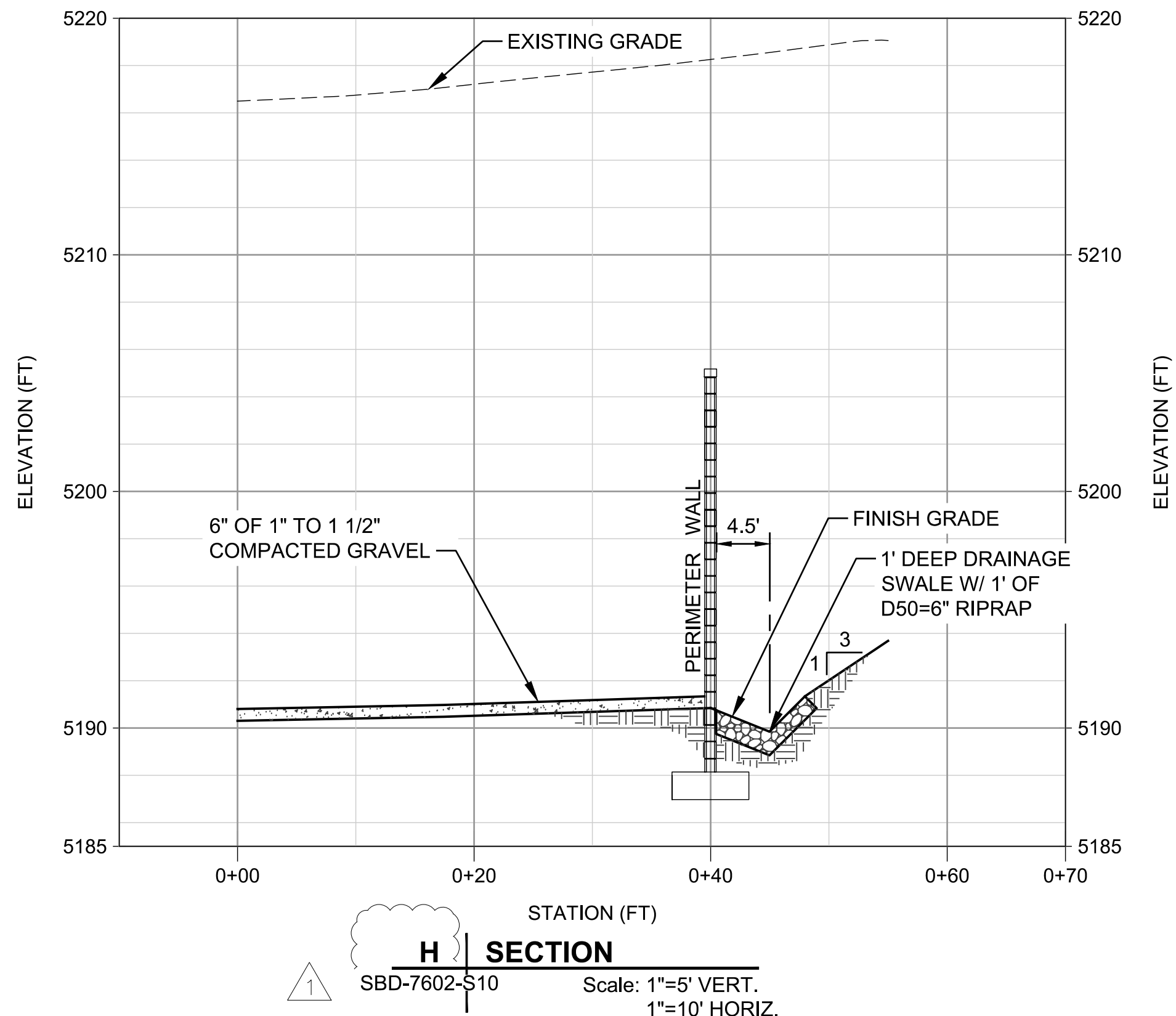
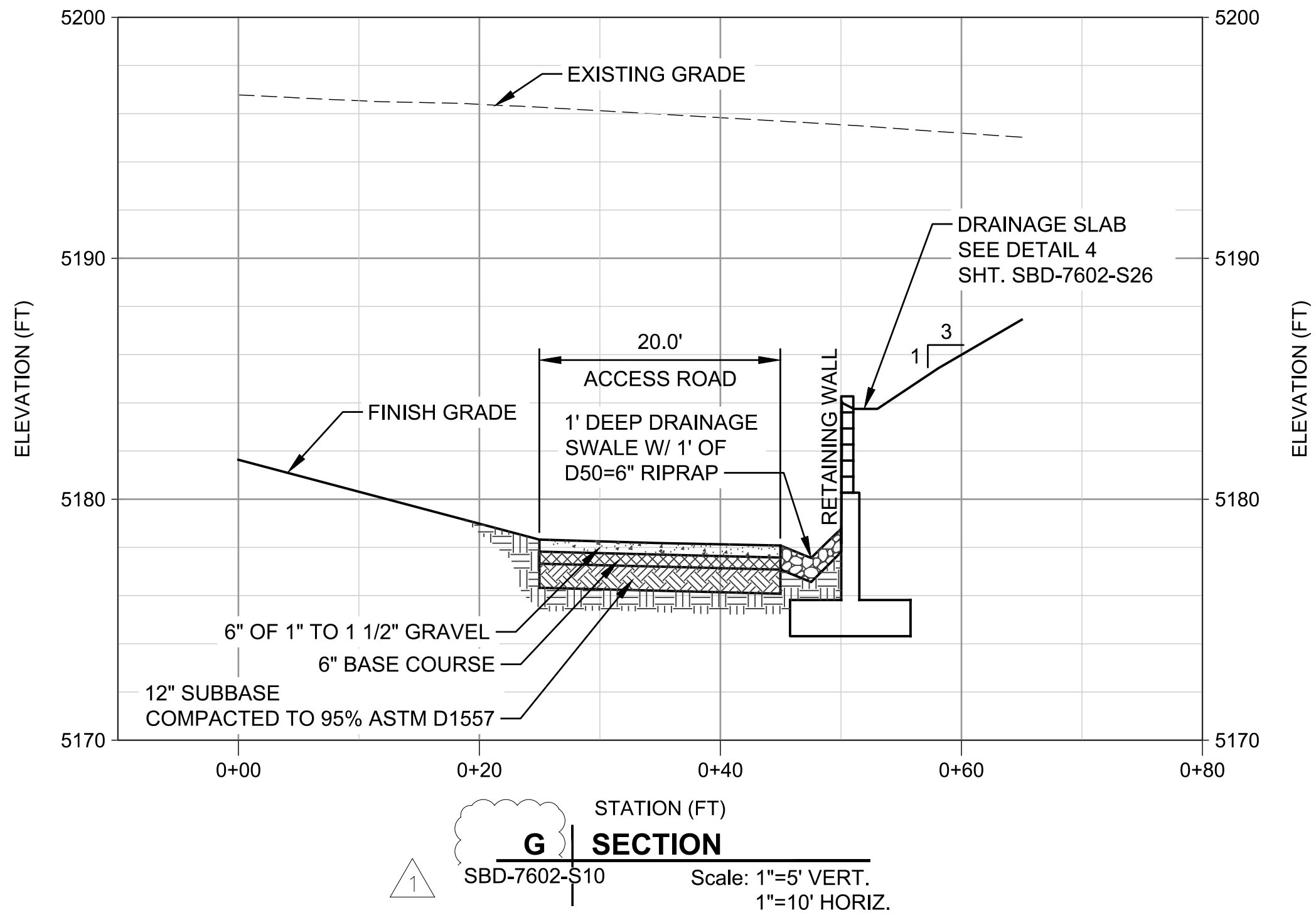
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PNM PUBLIC SERVICE COMPANY OF NEW MEXICO			
SIDEWALK CULVERT DETAIL			
SAGEBRUSH SUBSTATION			
DR:	CKD:	OK:	DATE: 12/21/21
APP:	SBD-7602-S15		SCALE: As Noted
REV. NO. 1			15 OF 41



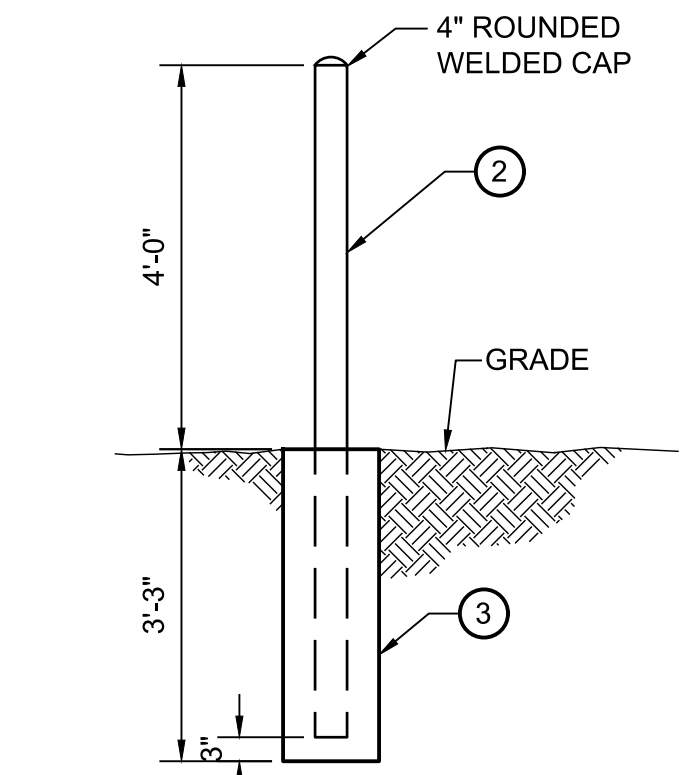
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DRAINAGE SECTIONS			
SAGEBRUSH SUBSTATION			
DR:	CKD:	OK:	DATE: 12/21/21
APP:	SBD-7602-S16		SCALE: As Noted
REV. NO.			16 OF 41



TYPICAL POST DETAIL

NOTES FOR PIPE RAILS

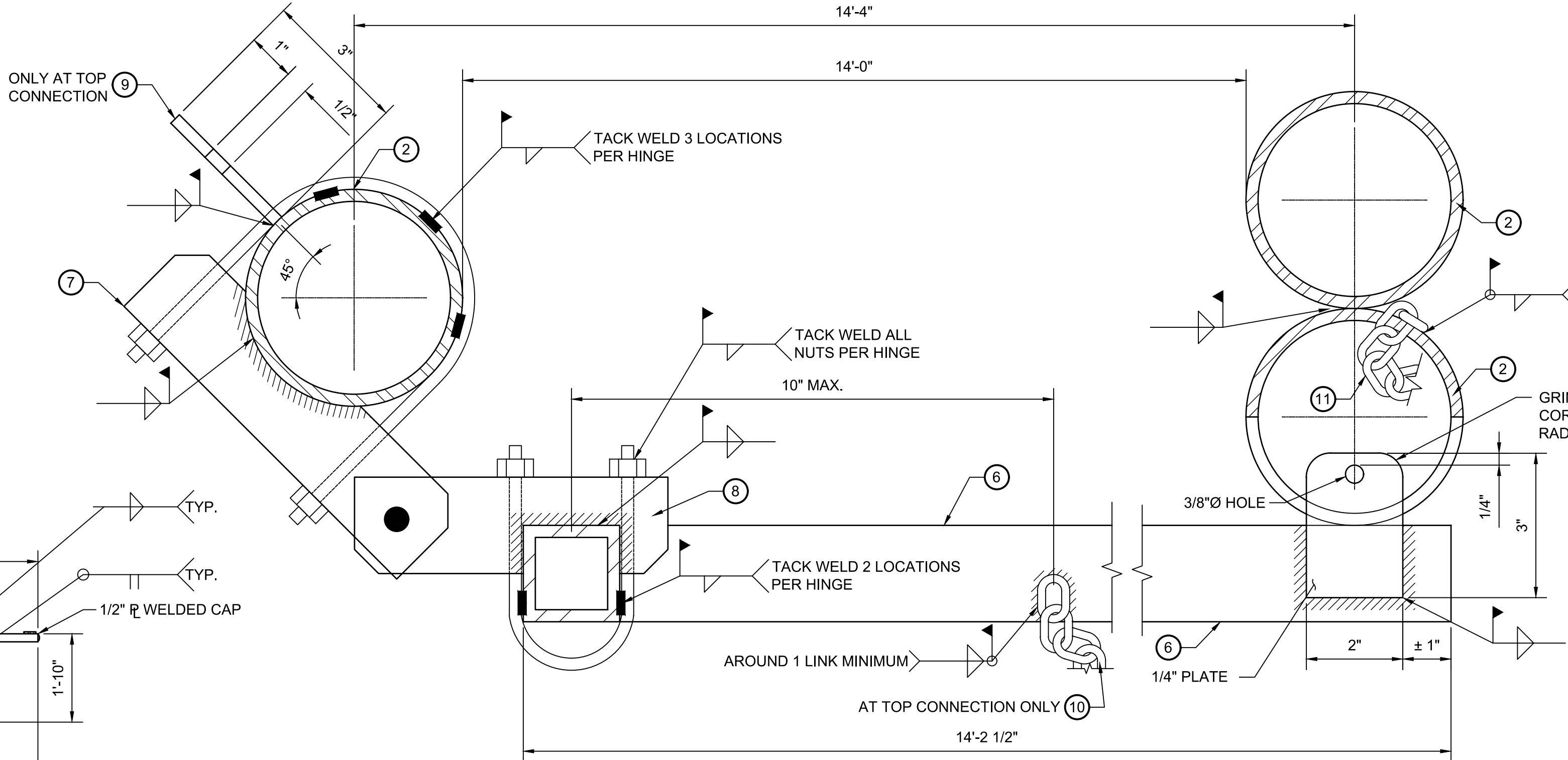
1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION AND SUPPLEMENTAL SPECIFICATIONS, 2007 EDITION.
2. ALL PIPE SHALL BE 2" SCHEDULE 40 STEEL PIPE AND CONFORM WITH ASTM A53 GRADE B. THE TOP RAIL SHALL BE CONTINUOUS, WITH POSTS, MIDDLE RAIL AND BOTTOM RAILS SADDLE CUT, WELDED ALL AROUND AND GRIND BEFORE PAINTING.
3. ALL RAILS, PIPES, PLATES AND TUBING TO BE COLOR COATED. COLOR COATING SHALL BE DUNN-EDWARDS SYN-LUSTRO RUST PREVENTION ALKYD SEMI-GLOSS ENAMEL 9V SERIES OR PITTSBURG PAINT AND GLASS PITTHANE ULTRA URETHANE ENAMEL COATINGS OR APPROVED EQUAL. PRIOR TO COLOR COATING, RAIL IS TO BE PRIMED WITH 2 COATS OF PRIMER BY THE RESPECTIVE MANUFACTURER. COLOR OF FINAL COATING TO BE SELECTED BY THE AMAFCA.
4. NEW MATERIAL SHALL BE USED THROUGHOUT.
5. ALL WELDING OR GAS CUTTING SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS OF THE AMERICAN WELDING SOCIETY D1.1-2000. ALL WELDING SHALL USE E70XX ELECTRODES.

GENERAL NOTES

1. ALL PIPE SHALL BE SCHEDULE 40 STEEL PIPE AND CONFORM WITH ASTM A53 GRADE B. THE TOP RAIL SHALL BE CONTINUOUS, ALL HORIZONTAL RAILS SHALL BE SADDLE CUT, WELDED ALL AROUND AND GROUND BEFORE PAINTING.
2. ALL RAILS, PIPES, PLATES AND TUBING TO BE COLOR COATED. COLOR COATING SHALL BE DUNN-EDWARDS SYN-LUSTRO RUST PREVENTION ALKYD SEMI-GLOSS ENAMEL 9 SERIES OR PITTSBURG PAINT AND GLASS PITHANE ULTRA COATINGS OR APPROVED EQUAL. PRIOR TO COLOR COATING, RAIL IS TO BE PRIMED WITH 2 COATS OF PRIMER BY THE RESPECTIVE MANUFACTURER. COLOR OF FINAL COATING TO BE SELECTED BY THE OWNER.
3. NEW MATERIAL SHALL BE USED THROUGHOUT.
4. ALL WELDING OR GAS CUTTING SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS OF THE AMERICAN WELDING SOCIETY D1.1-2000. ALL WELDING SHALL USE E70XX ELECTRODES.
5. GATE TO OPEN AWAY FROM STREET SIDE.

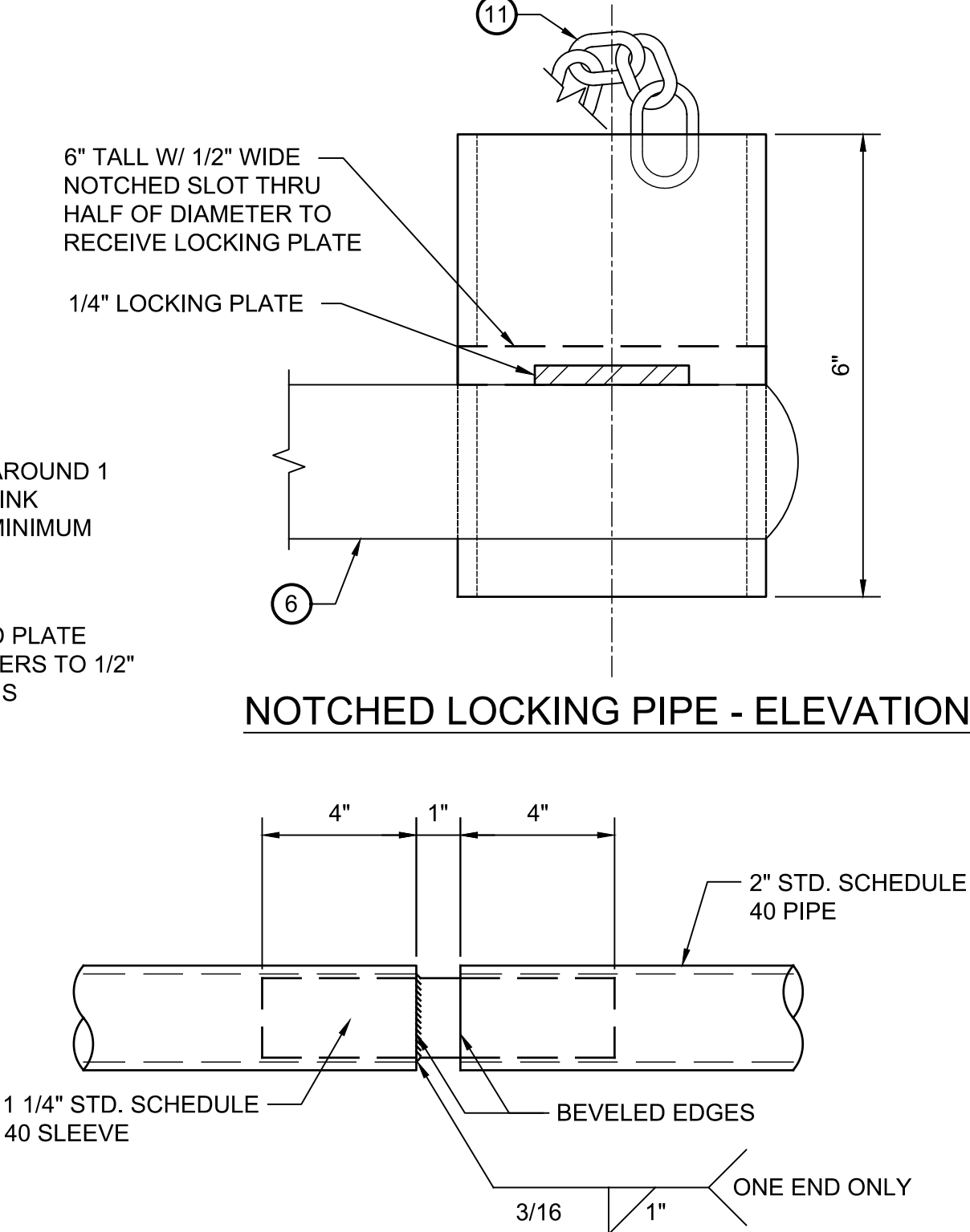
KEYED NOTES

1. REFLECTIVE TAPE, AS APPROVED BY ENGINEER, LOCATE ALL AROUND PIPE AT LOCATIONS SHOWN.
2. 4" Ø SCH. 40 PIPE.
3. 12"Ø CONCRETE FOOTING.
4. 2" Ø SCH. 40 PIPE.
5. 5/8"Ø SOLID ROUND A-36 BAR.
6. HSS 2x2x1/8 TUBE FRAME
7. 180° - 4" x 1 7/8" INDUSTRIAL HINGE (#IHP4180) BY AMERICAN FENCE COMPANY OR APPROVED EQUAL. WELDED TO POST.
8. 180° - 2 7/8" x 1 1/7" INDUSTRIAL HINGE (#IHP27180) BY AMERICAN FENCE COMPANY OR APPROVED EQUAL. WELDED TO GATE FRAME.
9. PLATE 1/4" x 2" x3" CHAIN KEEPER W/ 1/2" WIDE x 1" DEEP NOTCH.
10. 3/8" x 24" LONG GALVANIZED CHAIN WELDED TO FRAME.
11. 1/4" x 12" LONG GALVANIZED CHAIN WELDED TO FRAME AND LOCK. LOCK SUPPLIED BY PNM.



TOP AND BOTTOM GATE HINGE CONNECTIONS - PLAN

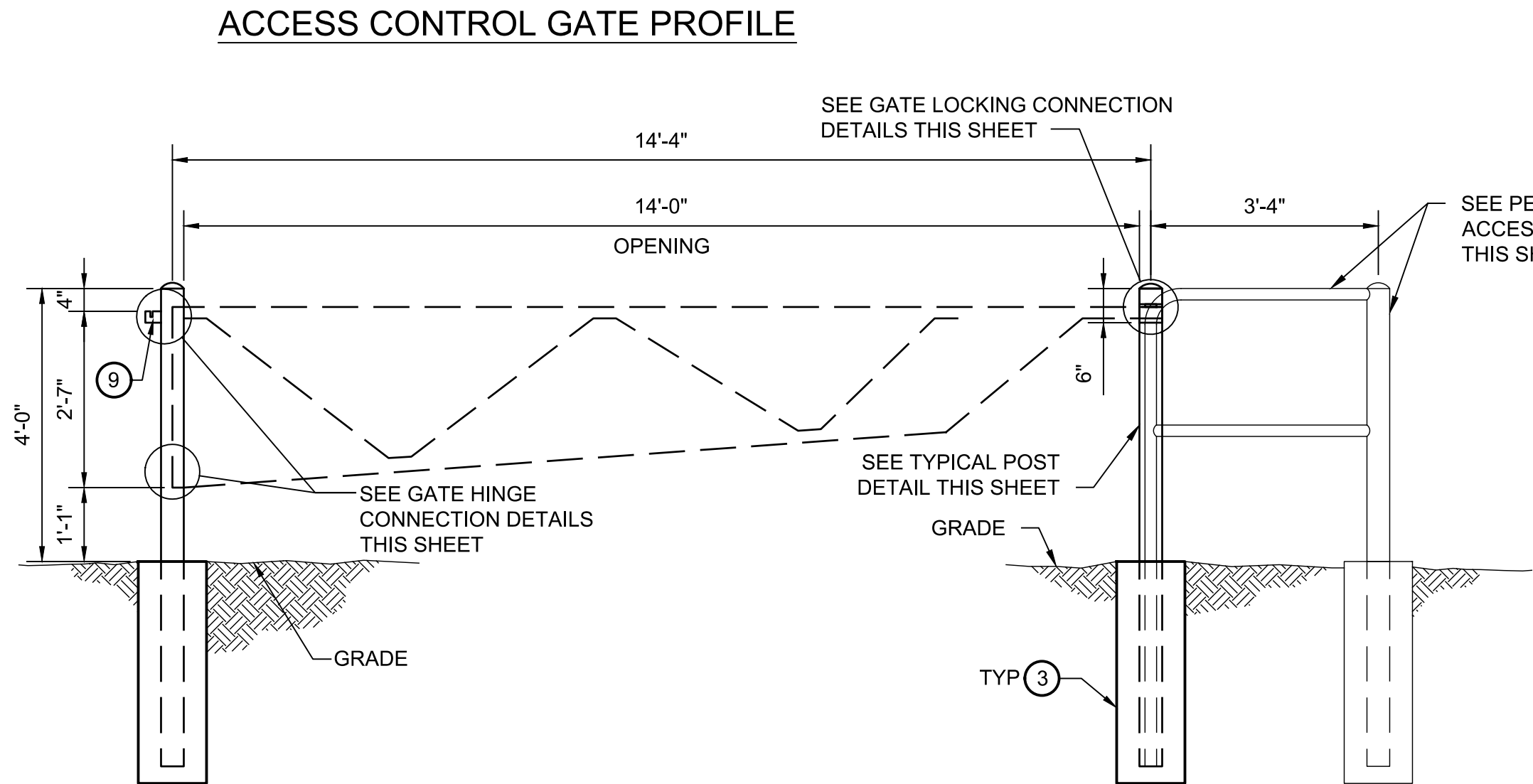
GATE LOCKING CONNECTION - PLAN



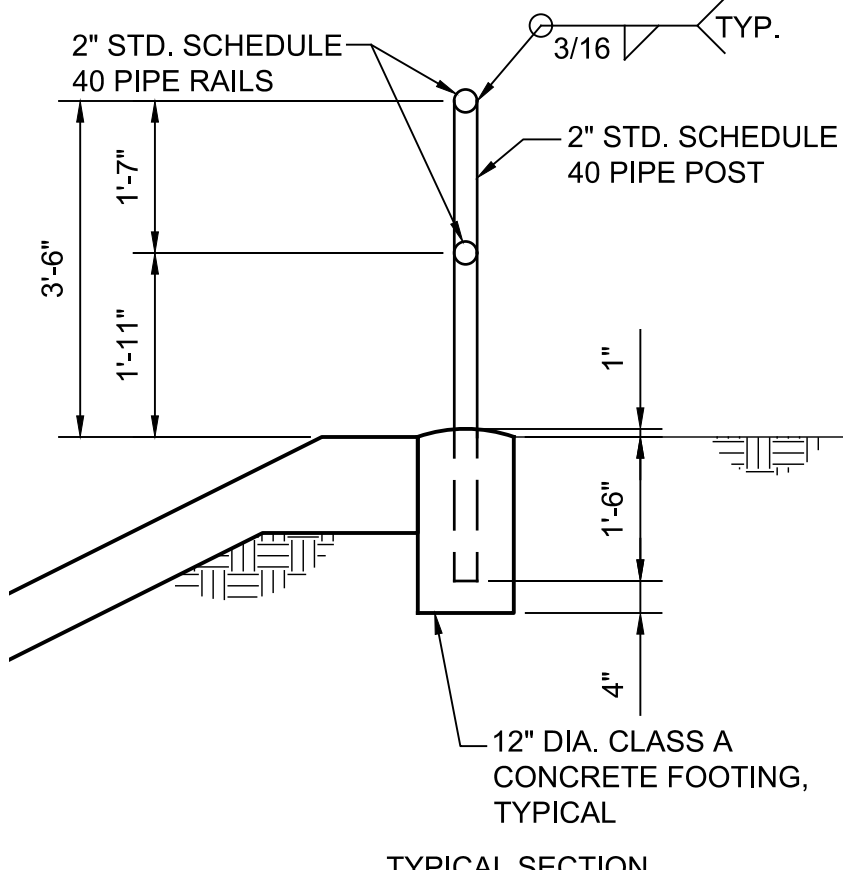
NOTCHED LOCKING PIPE - ELEVATION

FOR RAILING LONGER THAN 50'-0", INSTALL EXPANSION JOINTS EQUALLY SPACED BUT NOT MORE THAN 40'-0" O.C. ON ALL HORIZONTAL RAILS.

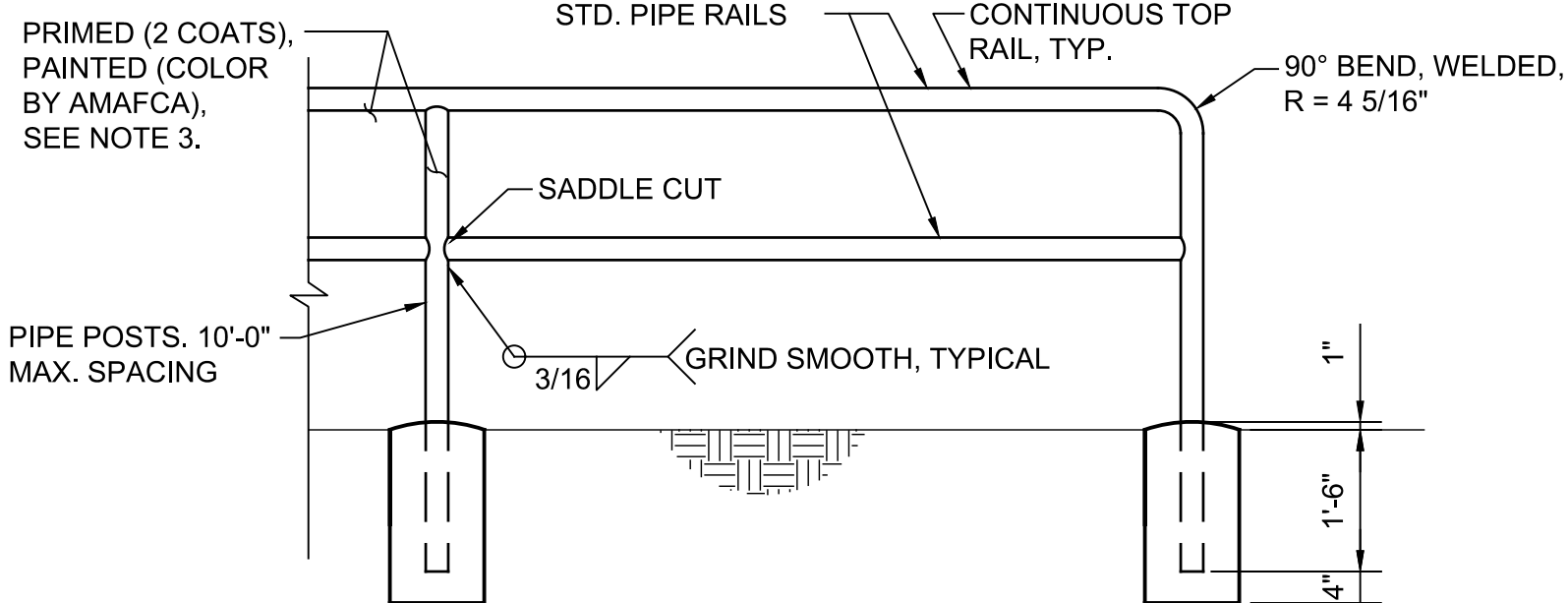
TYPICAL RAILING EXPANSION JOINT



ACCESS CONTROL GATE POST PROFILE



TYPICAL SECTION



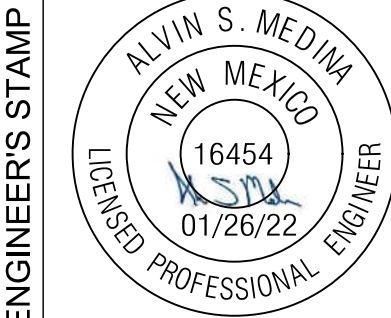
TYPICAL FRAME ELVEVATION

TYPICAL PIPE RAIL MOUNTED ON GRADE

N.T.S.

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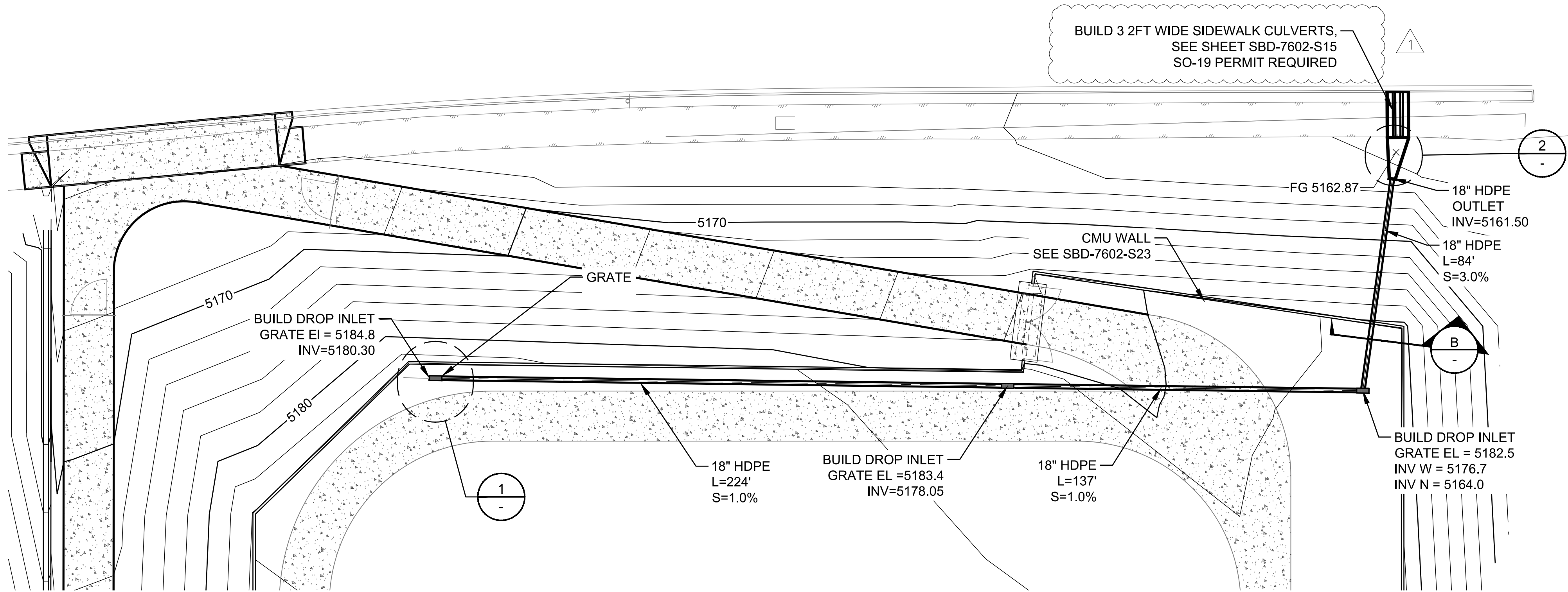


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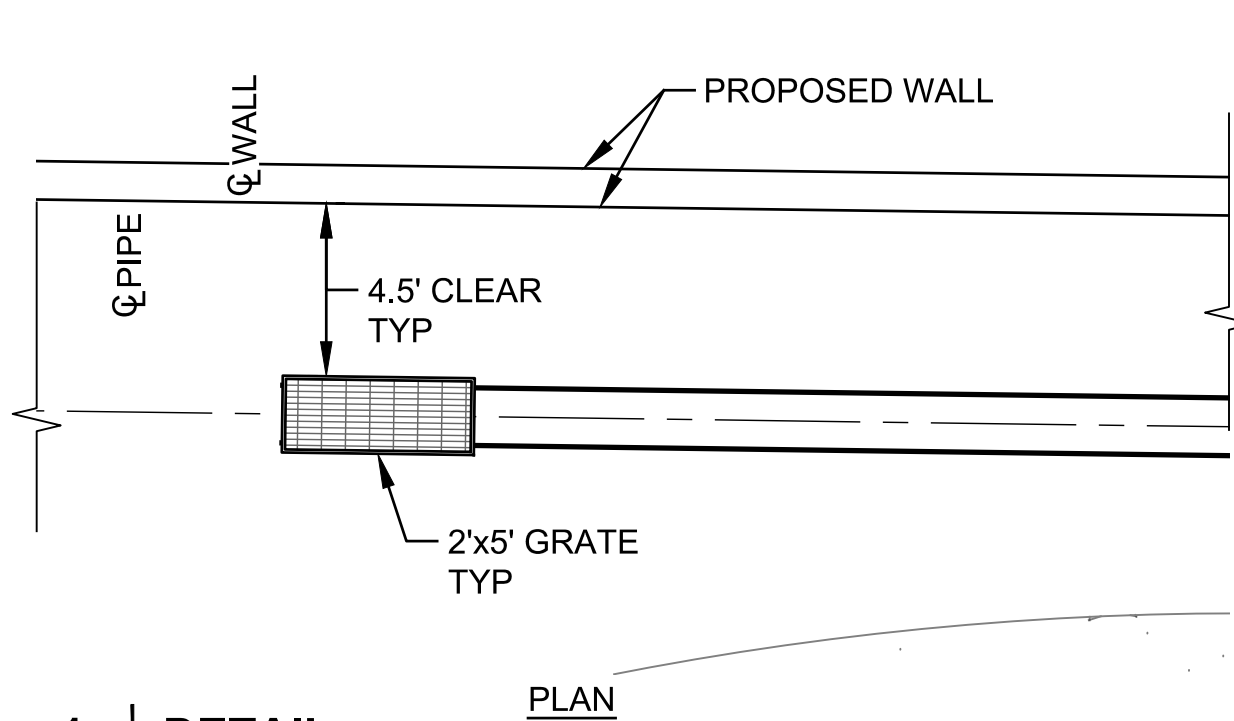
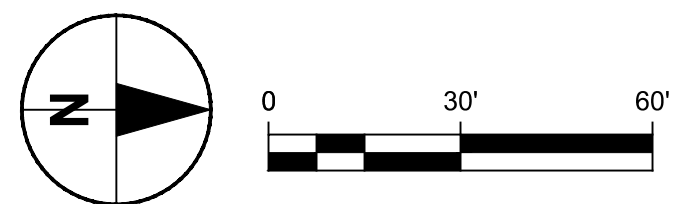
RAIL GATE DETAILS

SAGEBRUSH SUBSTATION

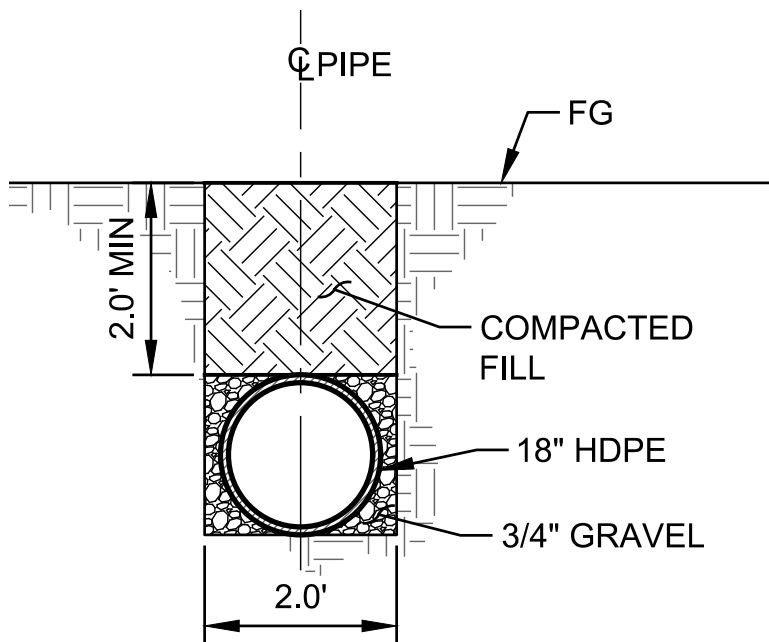
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CKD: REM	OK: SCALE: As Noted
APP:	
REV. NO.	SBD-7602-S17 17 OF 41



STORM SEWER PLAN
Scale: 1"=30'

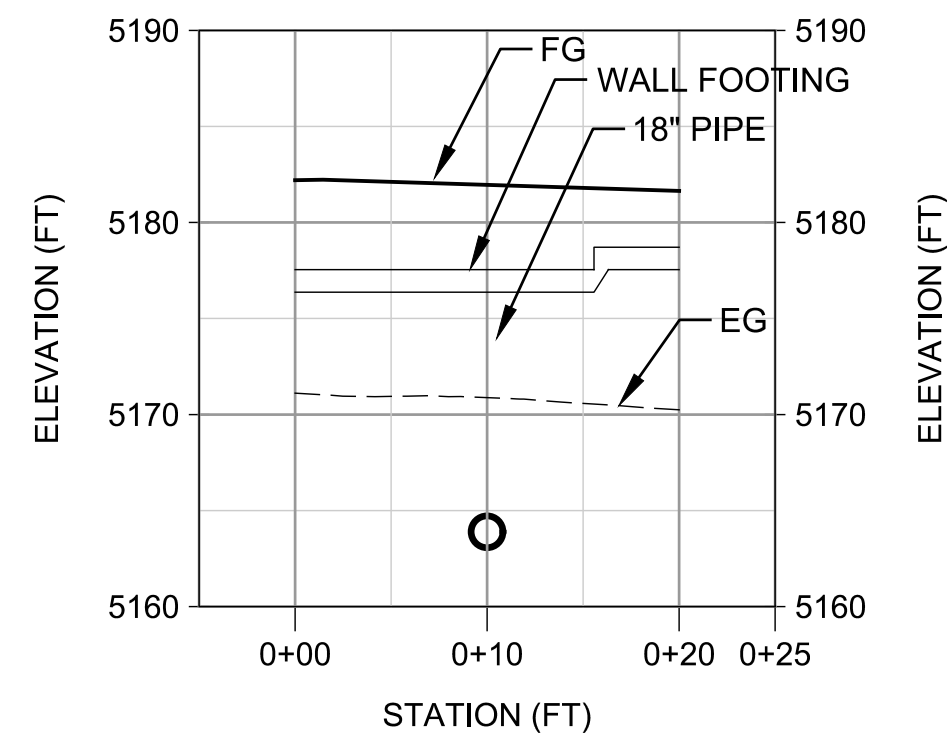


1 | **DETAIL**



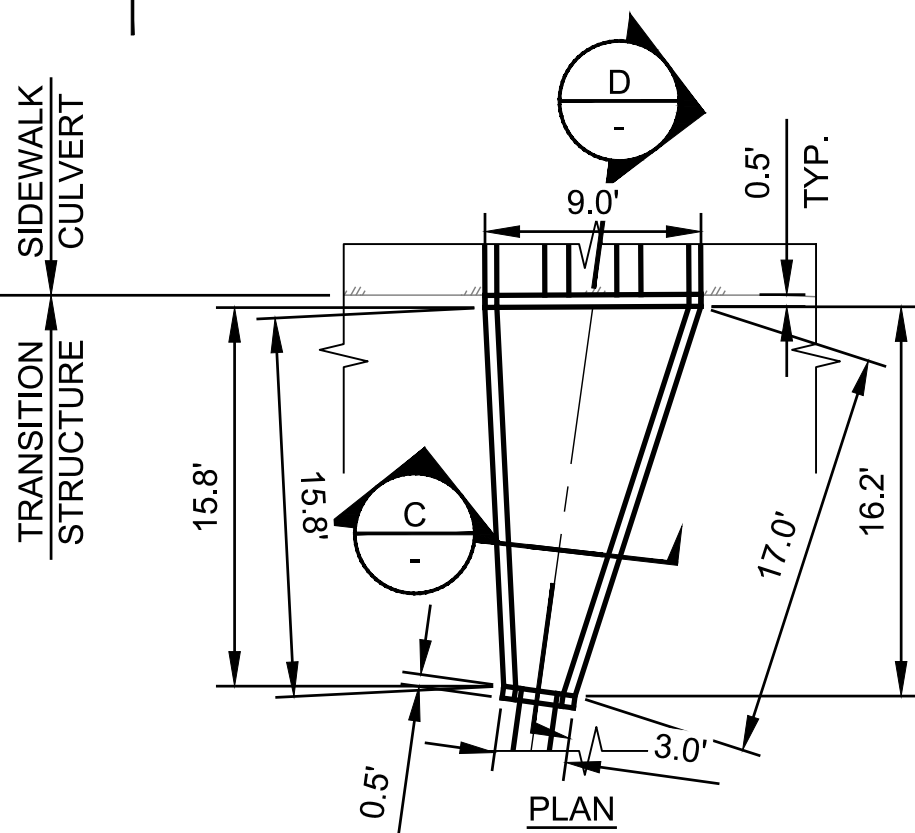
SECTION A

Scale: NTS

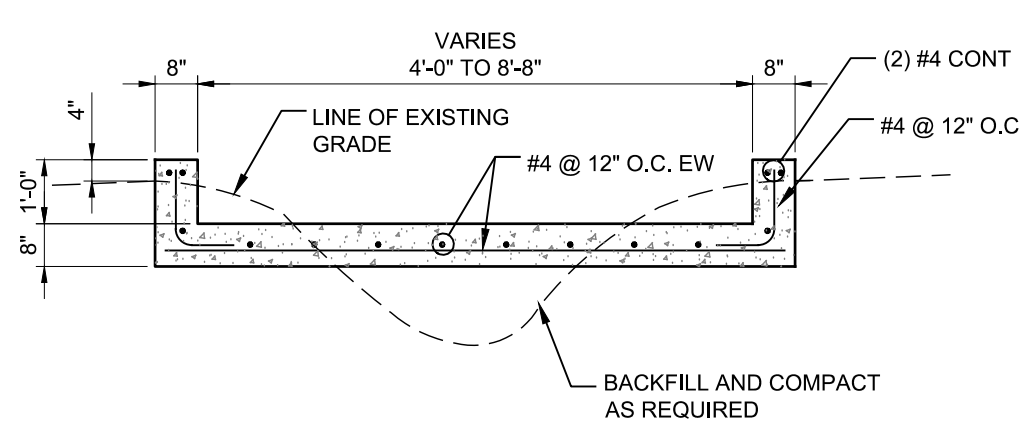


B | **SECTION**

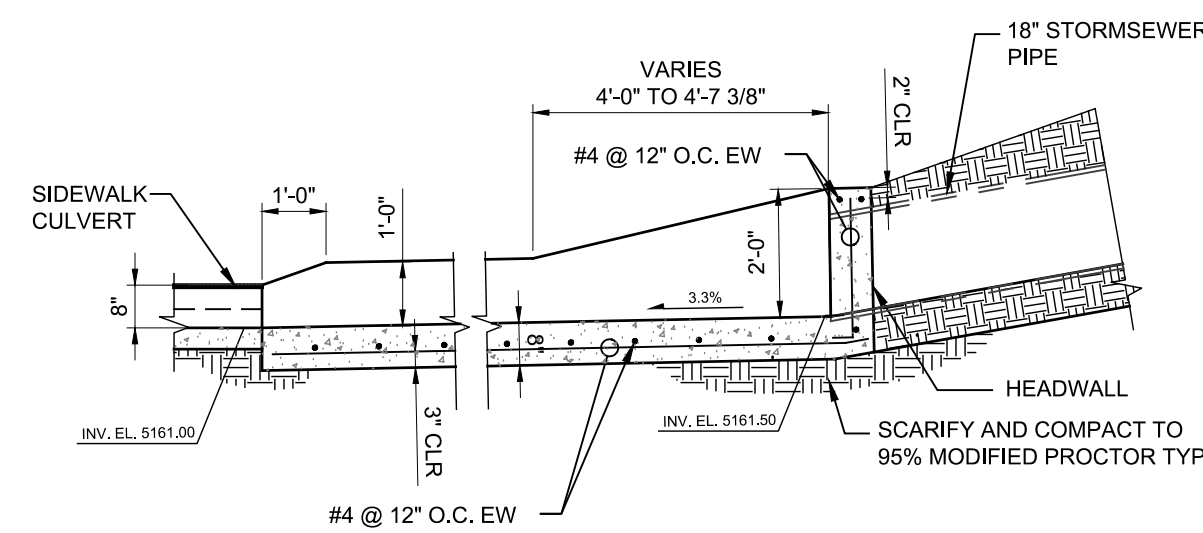
Scale: Vert. 1"=10'
Horiz. 1"=10'



2 | **CONCRETE TRANSITION STRUCTURE DETAIL**



SECTION C



SECTION D

Scale: NTS

**PRIVATE DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY
NOTICE TO CONTRACTOR (SPECIAL ORDER 19 ~ "SO-19")**

- BUILD SIDEWALK CULVERT PER COA STD DWG 2236. WORK IS PERMITTED AND INSPECTED BY DMD CONSTRUCTION SERVICES DIVISION.
- EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL, DIAL "811" [OR (505) 260-1990] FOR THE LOCATION OF EXISTING UTILITIES.
- TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- COMPACTION SHALL BE 95%.
- OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED.
- ON ARTERIAL STREETS MAY BE REQUIRED ON A 24-HOUR BASIS.
- EXCAVATION AND BARRICADING INSPECTIONS, CONTACT DMD CONSTRUCTION SERVICES DIVISION.

GENERAL NOTES

- FINAL SIDE SLOPE STABILIZATION WILL BE PROVIDED UNDER A SEPARATE CONTRACT.



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PROPRIETARY STATEMENT

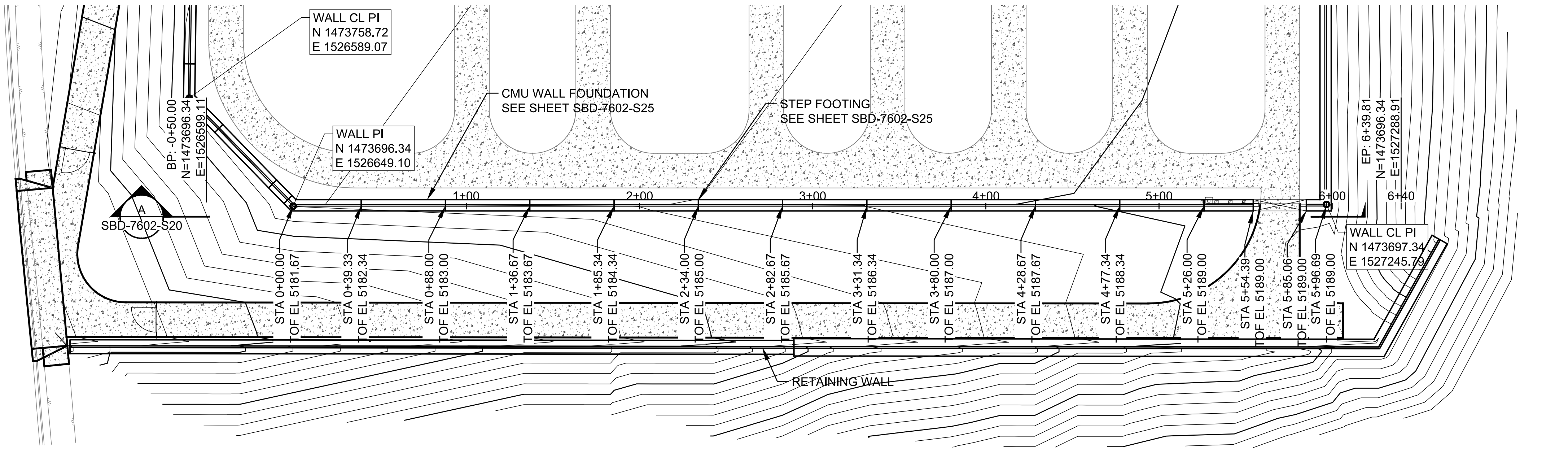
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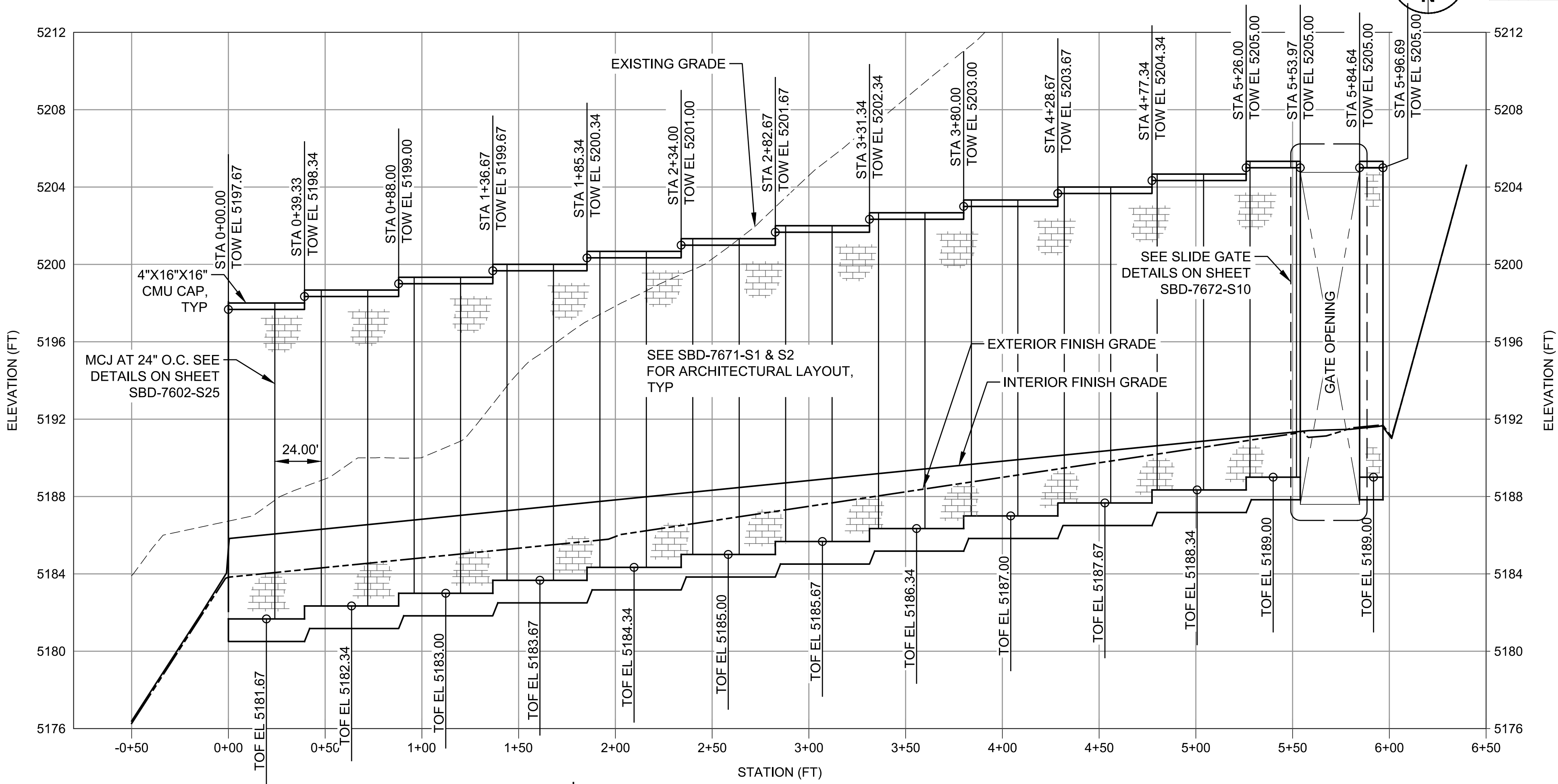
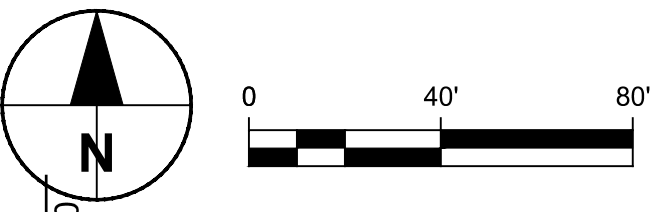
STORM SEWER PLAN

SAGEBRUSH SUBSTATION

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SOUTH WALL FOUNDATION PLAN

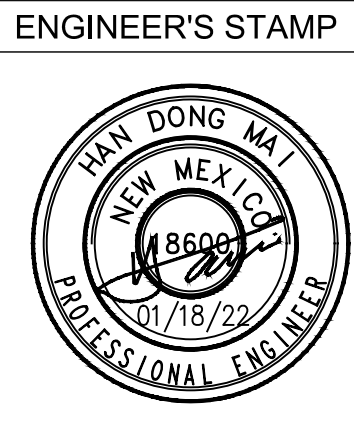


A SOUTH WALL PROFILE LOOKING NORTH

Scale: Vert. 1"=4'
Horiz. 1"=40'



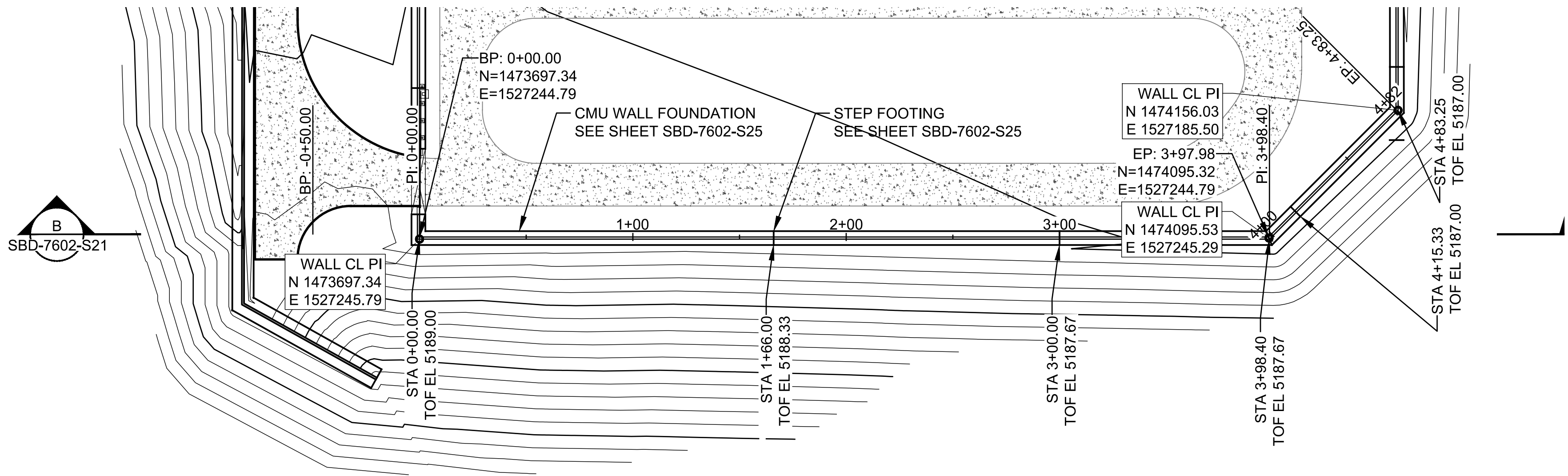
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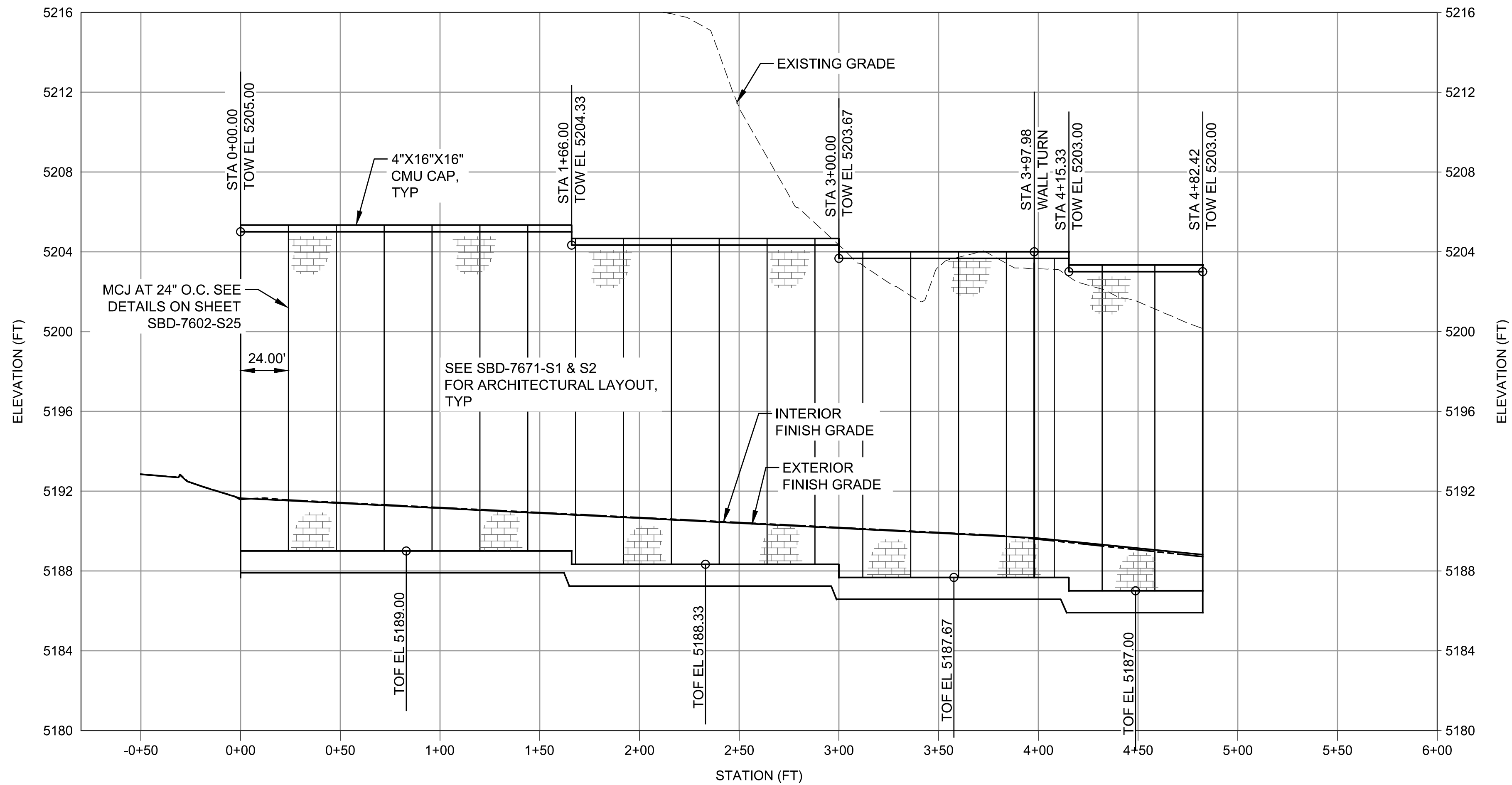
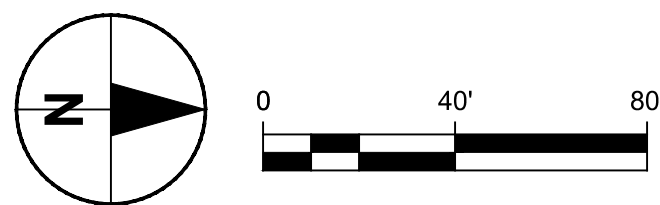
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PERIMETER WALL PROFILE SOUTH			
SAGEBRUSH SUBSTATION			
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EAST WALL FOUNDATION PLAN



B EAST WALL PROFILE LOOKING WEST

Scale: Vert. 1"=4'
Horiz. 1"=40'



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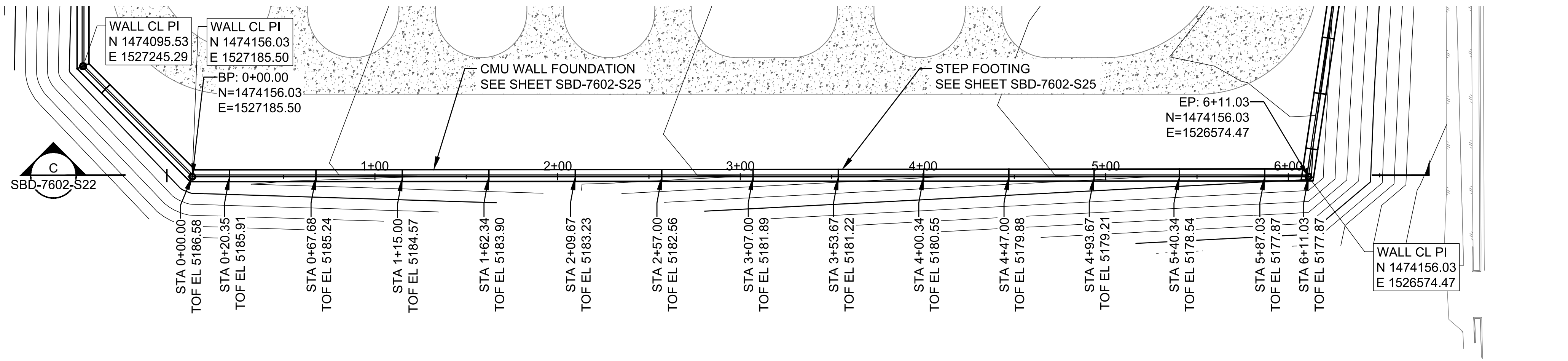
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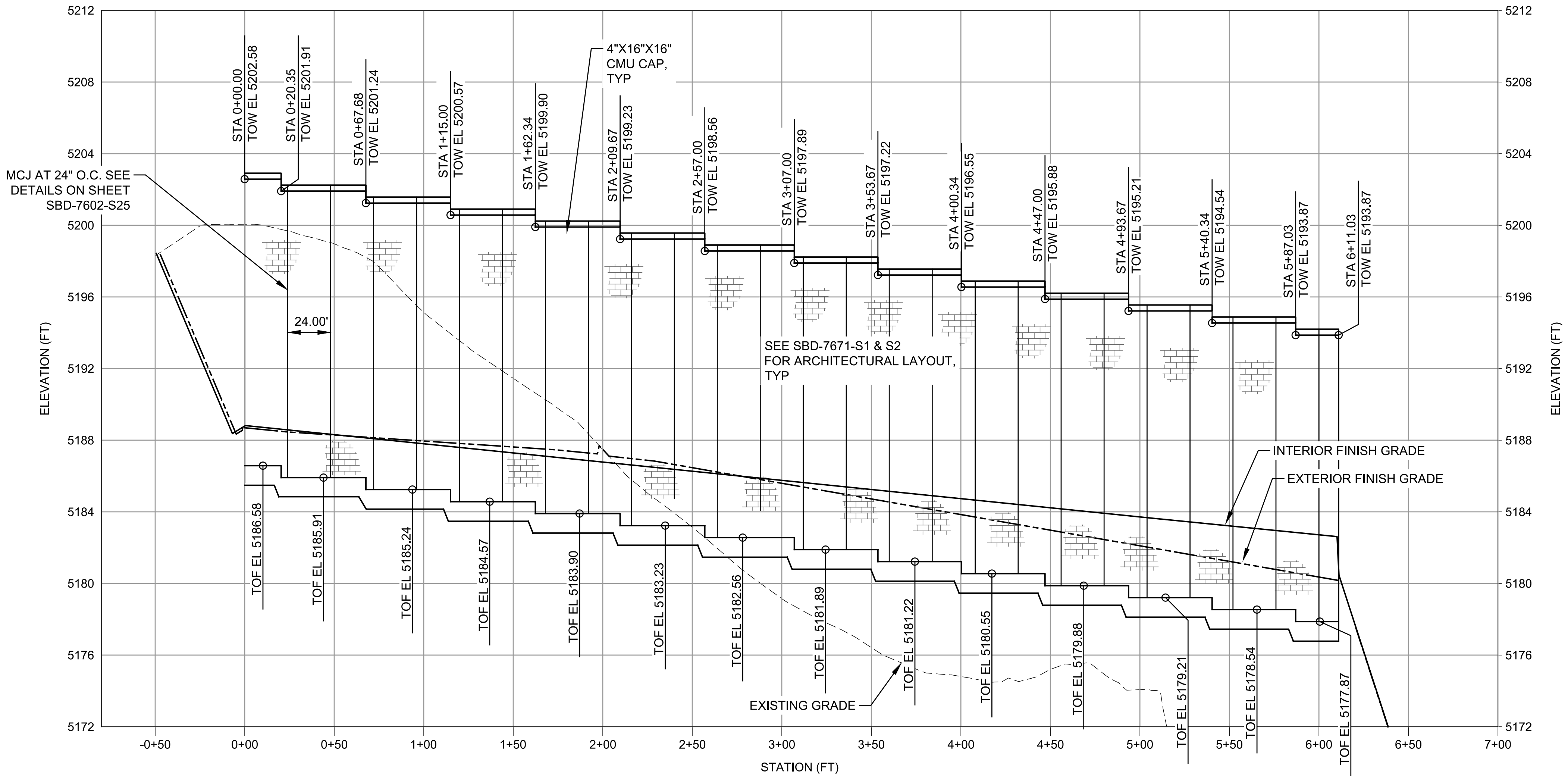
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SAGEBRUSH SUBSTATION			
DR: HDM	DATE: 12/21/21		
CKD: REH	OK:	SCALE: As Noted	
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NORTH WALL FOUNDATION PLAN

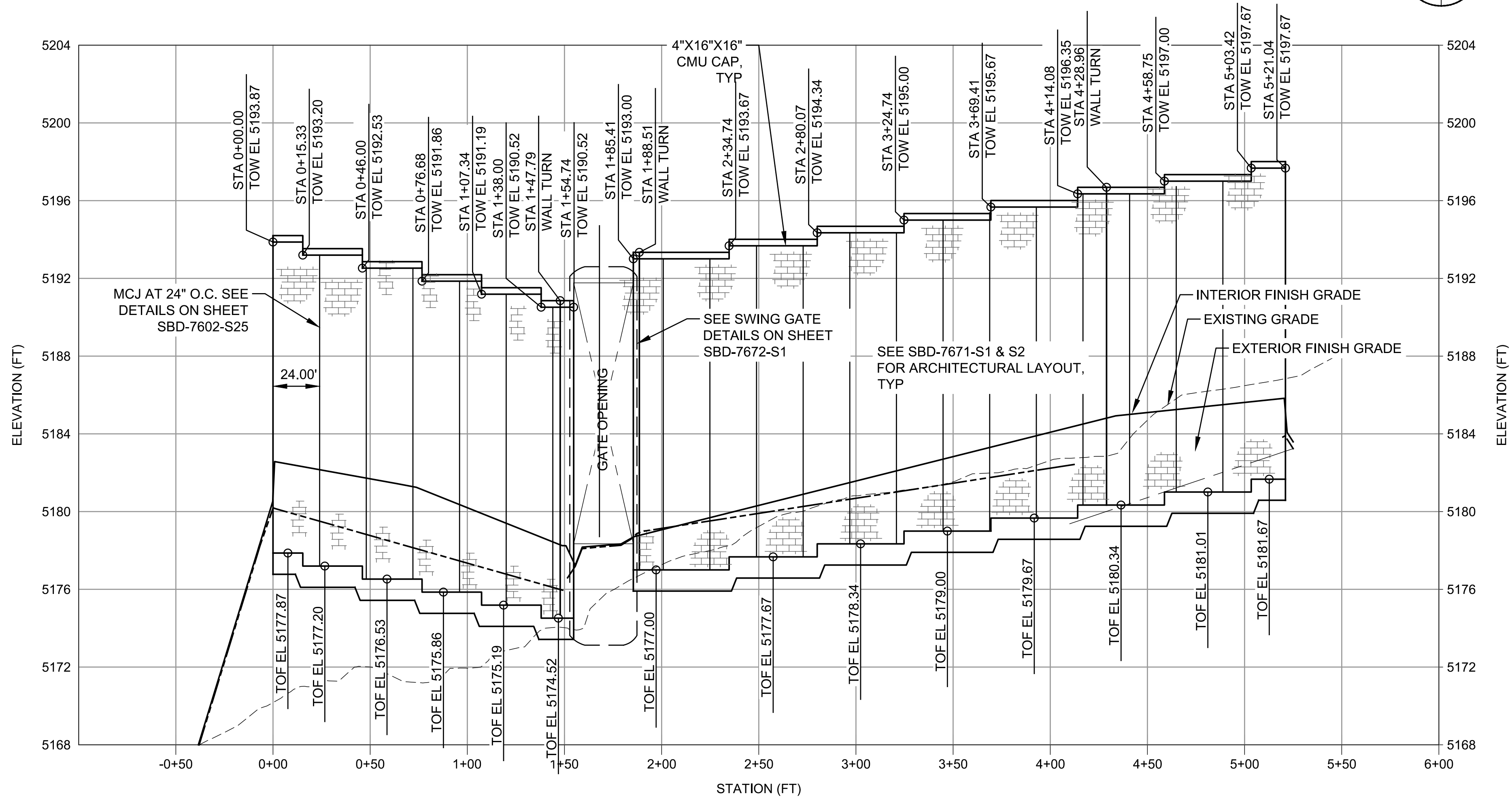
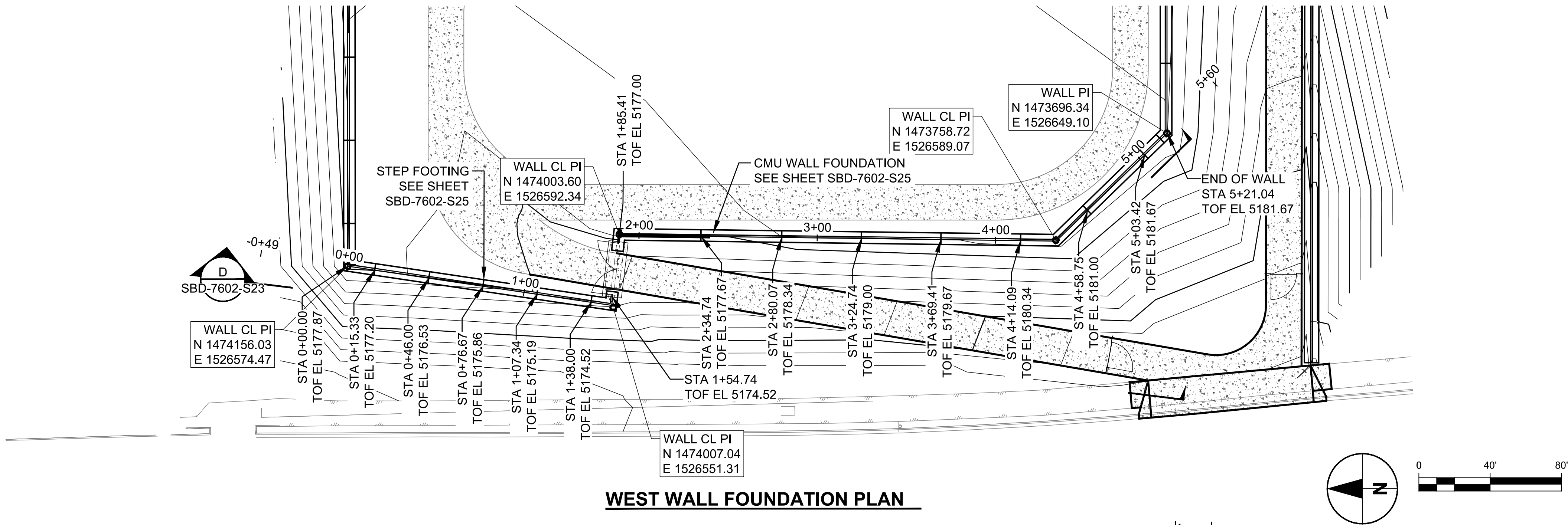


C NORTH WALL PROFILE LOOKING SOUTH

Scale: Vert. 1"=4'
Horiz. 1"=40'



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