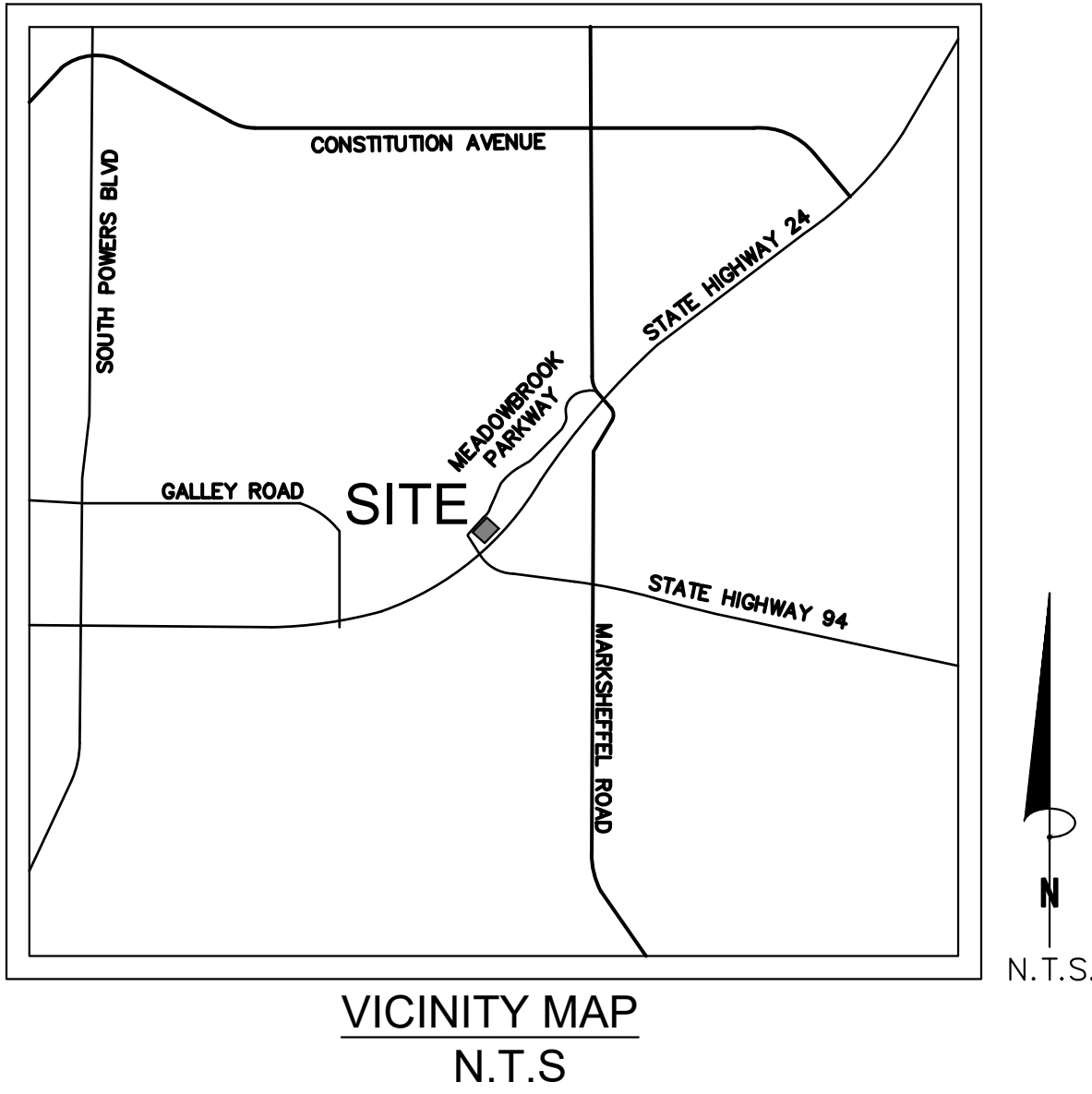


MEADOWBROOK PARK
CIVIL CONSTRUCTION DOCUMENTS
TRACT A, 94/24 BUSINESS PARK, FILING NO.1
EL PASO COUNTY, STATE OF COLORADO



LAND AREA:

351,529 SQ. FT. OR 8.07 ACRES MORE OR LESS

BASIS OF BEARING:

MEASURED BETWEEN THE NW CORNER OF TRACT 1, 94/24 BUSINESS PARK
FILING NO. 1, MONUMENTED WITH A NO. 4 REBAR WITH 1" RED PLASTIC CAP
MARKED PLS 37928, AND THE SOUTHWEST CORNER OF LOT 1, MONUMENTED
WITH A FOUND NO. 5 REBAR WITH BLUE PLASTIC CAP MARKED WITH PLS
32820

BENCHMARK/ PROJECT CONTROL:

NORTHWEST CORNER OF TRACT A AND IS MONUMENTED AS A NO. 4 REBAR WITH RED PLASTIC CAP FLUSH WITH THE GROUND EL.6321.70

LEGAL DESCRIPTION

TRACT A, 94/24 BUSINESS PARK FILING NO. 1, EL PASO COUNTY, STATE OF COLORADO

SOIL TYPE:

THE SOIL ON SITE IS CLASSIFIED WITH THE USCS AS NATIVE SILTY TO CLAYEY SAND (SM-SC)

FLOOD ZONE DESIGNATION

FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP, MAP NUMBERS 08041C0970G & 08041C1160G EFFECTIVE DATE DECEMBER 7, 2018 INDICATES THIS PARCEL OF LAND IS LOCATED IN ZONE X (OUT OF THE 500 YEAR FLOODPLAIN)

CONTACTS:

OWNER:
MEADOWBROOK, LLC
90 S. NEVADA AVENUE
COLORADO SPRINGS, CO 80903
TEL: (719) 475-7621
CONTACT: DANNY MIENTKA

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
2 NEVADA NORTH AVE., SUITE 300
COLORADO SPRINGS, CO 80903
TEL: (719) 453-0182
CONTACT: JOHN HEIBERGER, P.E.

SURVEYOR:
CLARK LAND SURVEYING, INC.
177 S. TIFFANY DRIVE, UNIT 1
PUEBLO WEST, CO 81007
TEL: (719) 582-1270
CONTACT: STEWART L. MAPES JR., PLS

EL PASO COUNTY:
EL PASO COUNTY
DEVELOPMENT SERVICES DEPARTMENT
2880 INTERNATIONAL CIRCLE, SUITE 110
COLORADO SPRINGS, CO 80910
PHONE: (719) 520-3600

WATER & WASTEWATER:
CHEROKEE METROPOLITAN DISTRICT
6250 PALMER PARK BLVD.
COLORADO SPRINGS, CO 80910
TEL: (719) 595-5080

FIRE:
CIMARRON HILLS FIRE DEPT.
1835 TUSKEGEE PLACE
COLORADO SPRINGS, CO 80910
PHONE: (719) 591-1960

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OWNER'S SIGNATURE BLOCK

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

NAME _____ DATE _____

ENGINEER'S SIGNATURE BLOCK

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH THE APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THE DETAILED PLANS AND SPECIFICATIONS

JOHN HEIBERGER, PE – KIMLEY-HORN AND ASSOCIATES, INC. DATE

EL PASO COUNTY REVIEW STATEMENT

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN DIMENSIONS AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND
DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING
CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH EGM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTIONS DISCRETION.

JENNIFER IRVINE, P.E. COUNTY ENGINEER/ECM ADMINISTRATOR

[illegible]

Kimley»»Horn
2021 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 300
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: KK
DRAWN BY: KK
CHECKED BY: JH
DATE: 06/07/2021

**MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
COVER SHEET**

PRELIMINARY
FOR REVIEW ONLY
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Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
096956009

SHEET
C1.0

ENGINEERING CONSTRUCTION NOTES

1. ALL EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME THE DRAWINGS WERE PREPARED AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. THE LOCATIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTORS RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES INCURRED OR COST INCURRED BECAUSE THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME, IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
2. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
3. CONTRACTOR SHALL CONTACT UTILITY NOTIFICATION CENTER FOR THE LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION (1-800-922-1987).
4. CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES AND BE CONSTRUCTED TO SAME.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS AND BONDS PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.
7. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN THE PUBLIC RIGHT-OF-WAY OR EASEMENT SHALL CONFORM TO THE CITY OF COLORADO SPRINGS' SPECIFICATIONS AND STANDARDS. (LATEST EDITION)
8. CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS, AND ALL OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH MUTCD CONSTRUCTION AREA TRAFFIC CONTROL.
9. ALL LANDSCAPE WORK IS SUBJECT TO A 1-YEAR SURVIVAL/THRIVE WARRANTY. CONTRACTOR SHALL PROVIDE 1-YEAR MAINTENANCE AS PART OF INSTALLATION. MAINTENANCE OF TURF GRASSES WITH WEEKLY MOWING IS TO BE INCLUDED. MAINTENANCE OF IRRIGATION TO INCLUDE STARTUP AND BLOWOUT OF SYSTEM, REPLACEMENT OF DAMAGED HEADS, ADJUSTMENTS TO TIMING AND SPRAY AREA TO OPTIMIZE SYSTEM, ETC.
10. UPON COMPLETION OF INSTALLATION AND COMMISSIONING OF SYSTEM AS WELL AS A PART OF 1-YEAR WARRANTY WALK, CONTRACTOR SHALL PROVIDE OWNER'S DESIGNATED REPRESENTATIVE AN INSTRUCTIONAL ORIENTATION TO SYSTEM OPERATION AND MAINTENANCE.
11. ALL DEVIATIONS FROM IRRIGATION DESIGN DRAWINGS AS WELL AS MEASURED OFFSET DISTANCES FOR MAINLINES (FROM SIDEWALKS) SHALL BE MARKED BY CONTRACTOR ON IRRIGATION PLANS AND PROVIDED TO OWNER AT COMPLETION OF INSTALLATION.
12. AFTER COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL PROVIDE AS-BUILD DRAWINGS OF ALL IMPROVEMENTS INCLUDED IN THE CIVIL CONSTRUCTION DRAWINGS TO THE OWNER AND ENGINEER OF RECORD.

ENGINEERING DEMOLITION NOTES

1. ALL DEMOLITION SHALL BE CARRIED OUT IN A SAFE MANNER AND IN STRICT ACCORDANCE WITH OSHA REGULATIONS.
2. ALL CONDITIONS SHOWN TO BE "EXISTING" SHALL BE VERIFIED IN THE FIELD BY THE GENERAL CONTRACTOR PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE NOTED AND SUBMITTED TO THE OWNER AND THE ENGINEER FOR REVIEW. CHANGES TO THE ORIGINAL DESIGN OF THIS PROJECT DUE TO EXISTING SITE CONDITIONS MUST BE APPROVED BY BOTH THE OWNER AND THE ENGINEER PRIOR TO MAKING ANY CHANGES.
3. THE CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION.
4. WHEN UTILITIES ARE REMOVED, CAP AND SEAL AT A MINIMUM DEPTH OF 8" BELOW FINISH GRADE.

ENGINEERING SITE NOTES

1. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS.
2. CONTRACTOR SHALL MATCH PROPOSED CURB AND GUTTER, CONCRETE, AND PAVEMENT TO EXISTING GRADE AT ALL THE TIE IN LOCATIONS.
3. CONTRACTOR SHALL REMOVE PAVEMENT AND CONCRETE IN ACCORDANCE WITH SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS AND/OR THE COLORADO STATE DEPARTMENT OF TRANSPORTATION.
4. THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL BUILDING PLANS AND SPECIFICATIONS.
5. CONTRACTOR SHALL REFER TO BUILDING PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES, TO INCLUDE, SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, TELEPHONE, CABLE, AND TELEPHONE SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED, AS WELL AS COORDINATE WITH ANY UTILITY COMPANIES FOR APPROVED LOCATIONS AND SCHEDULING OF THE TIE-INS/CONNECTIONS TO THEIR FACILITIES.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIRING THE DAMAGE DONE TO ANY EXISTING ITEM DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. REPAIRS SHALL BE EQUAL TO, OR BETTER THAN, EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND NOTIFY CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION START.
7. CONTRACTOR TO REMOVE OR RELOCATE, WHEN APPLICABLE, ALL EXISTING BUILDINGS, FOUNDATIONS, BASEMENTS, CONNECTING IMPROVEMENTS, DRAIN PIPES, SANITARY SEWER PIPES, POWER POLES, AND GUY WIRES, WATER METERS AND WATER LINES, WELLS, SIDEWALKS, SIGN POLES, UNDERGROUND GAS, SEPTIC TANKS, AND ASPHALT, SHOWN AND NOT SHOWN, WITHIN CONSTRUCTION LIMITS AND WHERE NEEDED, TO ALLOW FOR NEW CONSTRUCTION AS SHOWN.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROCURING ENGINEERED WALL PLANS FOR ALL SITE RETAINING WALLS SHOWN HEREON FOR REFERENCE. CONTRACTOR SHALL SUBMIT ENGINEERED WALL PLANS TO ENGINEER OF RECORD AND EL PASO COUNTY FOR REVIEW AND ISSUANCE OF WALL BUILDING PERMITS PRIOR TO CONSTRUCTION.

ENGINEERING PAVING NOTES

1. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
2. ALL CONCRETE SIDEWALKS SHALL HAVE CONTROL JOINTS CUT ON 5' CENTERS AND EXPANSION JOINTS PLACED ON 20' CENTERS. CONCRETE PAVEMENT JOINTS SHALL BE SPACED AT 12' CENTERS MAXIMUM.
3. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS.
4. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.

ENGINEERING GRADING NOTES

1. CONTOURS ON SIDEWALKS AND PRIVATE/PUBLIC ROADWAYS ARE TO FINISH GRADE.
2. FOR GROUND TREATMENT OF ALL OPEN AREAS WITHIN THE PROJECT SITE, REFER TO LANDSCAPE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND OR OTHER FINAL LANDSCAPE PLANTING IS WELL ESTABLISHED.

ENGINEERING DRAINAGE AND STORM WATER NOTES

1. ON-SITE STORM SEWER SYSTEM HAS BEEN PROVIDED TO MAINTAIN THE EXISTING DRAINAGE PATTERNS.
2. ALL ON-SITE STORM SEWER IS PRIVATE, UNLESS OTHERWISE NOTED.
3. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND ANY EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
4. THE CONTRACTOR SHALL DE-SILT ALL DRAINAGE STRUCTURES AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
5. IF TEMPORARY OR PERMANENT DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER PRIOR TO EXCAVATION.
6. OWNER AND CONTRACTOR ARE RESPONSIBLE FOR OBTAINING THE STATE STORMWATER DISCHARGE PERMIT FOR CONSTRUCTION ACTIVITIES AT LEAST TEN BUSINESS DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

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Colorado Springs, Colorado 80903 (719) 453-0180

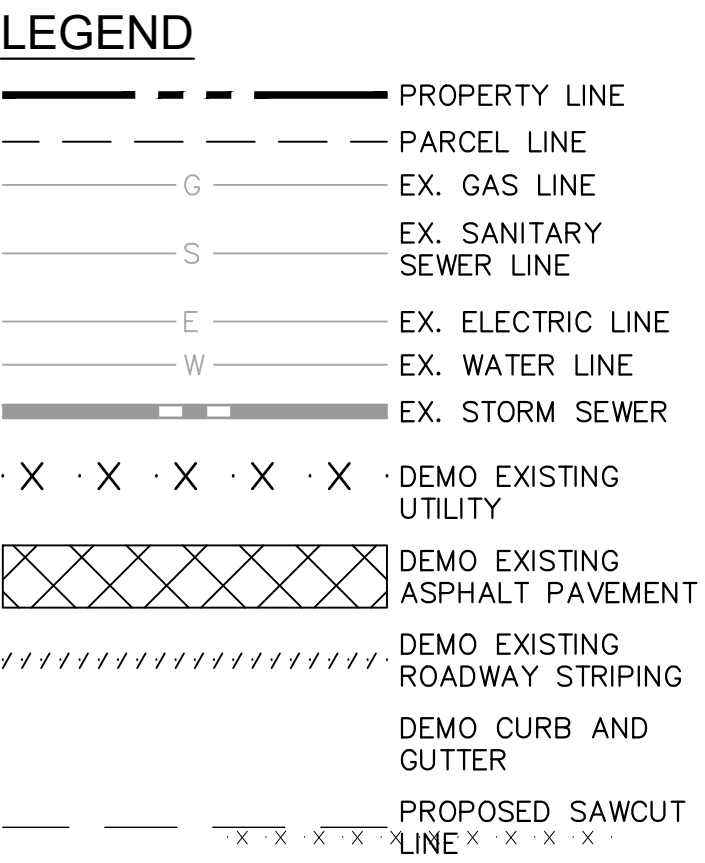
DESIGNED BY: KK
DRAWN BY: KK
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**MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
GENERAL NOTES**

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SHEET
C1.1

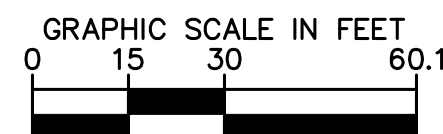
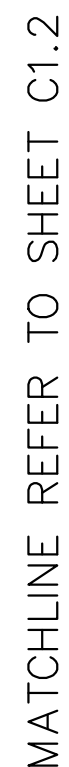


1. ALL EXISTING UTILITIES TO REMAIN UNLESS OTHERWISE NOTED.
2. UTILITIES TO BE REMOVED ARE TO BE CAPPED IN PLACE IN ACCORDANCE WITH LOCAL UTILITY REGULATIONS.

- 1 EX. ELECTRIC LINE
- 2 EX. GAS LINE
- 3 EX. 12" WATER MAIN
- 4 EX. WATER VALVE
- 5 EX. SANITARY SEWER MANHOLE
- 6 EX. 30" PVC SANITARY SEWER
- 7 EX. STORM SEWER INLET
- 8 EX. 30" CMP STORM SEWER CULVERT
- 9 EX. FIRE HYDRANT
- 10 EX. TREES
- 11 EX. IRRIGATION CONTROL
- 12 EX. TRAFFIC SIGNAL
- 13 EX. 36" RCP STORM SEWER

- ① DEMO 8" PVC SANITARY SEWER LINE
- ② DEMO SANITARY SEWER MANHOLE
- ③ DEMO CONSTRUCTION FENCE
- ④ DEMO STORM SEWER INLET
- ⑤ DEMO 36" RCP STORM SEWER LINE
- ⑥ DEMO 12" PVC WATER LINE
- ⑦ DEMO WATER VALVE
- ⑧ DEMO EXISTING CURB AND GUTTER

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	PROPERTY LINE
	PARCEL LINE
	EX. GAS LINE
	EX. SANITARY SEWER LINE
	EX. ELECTRIC LINE
	EX. WATER LINE
	EX. STORM SEWER
	DEMO EXISTING UTILITY
	DEMO EXISTING ASPHALT PAVEMENT
	DEMO EXISTING ROADWAY STRIPING
	DEMO CURB AND GUTTER
	PROPOSED SAWCUT LINE

1. ALL EXISTING UTILITIES TO REMAIN UNLESS OTHERWISE NOTED.
2. UTILITIES TO BE REMOVED ARE TO BE CAPPED IN PLACE IN ACCORDANCE WITH LOCAL UTILITY REGULATIONS.

- 1 EX. ELECTRIC LINE
- 2 EX. GAS LINE
- 3 EX. 12" WATER MAIN
- 4 EX. WATER VALVE
- 5 EX. SANITARY SEWER MANHOLE
- 6 EX. 30" PVC SANITARY SEWER
- 7 EX. STORM SEWER INLET
- 8 EX. 30" CMP STORM SEWER CULVERT
- 9 EX. FIRE HYDRANT
- 10 EX. TREES
- 11 EX. IRRIGATION CONTROL
- 12 EX. TRAFFIC SIGNAL
- 13 EX. 36" RCP STORM SEWER

- ① DEMO 8" PVC SANITARY SEWER LINE
- ② DEMO SANITARY SEWER MANHOLE
- ③ DEMO CONSTRUCTION FENCE
- ④ DEMO STORM SEWER INLET
- ⑤ DEMO 36" RCP STORM SEWER LINE
- ⑥ DEMO 12" PVC WATER LINE
- ⑦ DEMO WATER VALVE

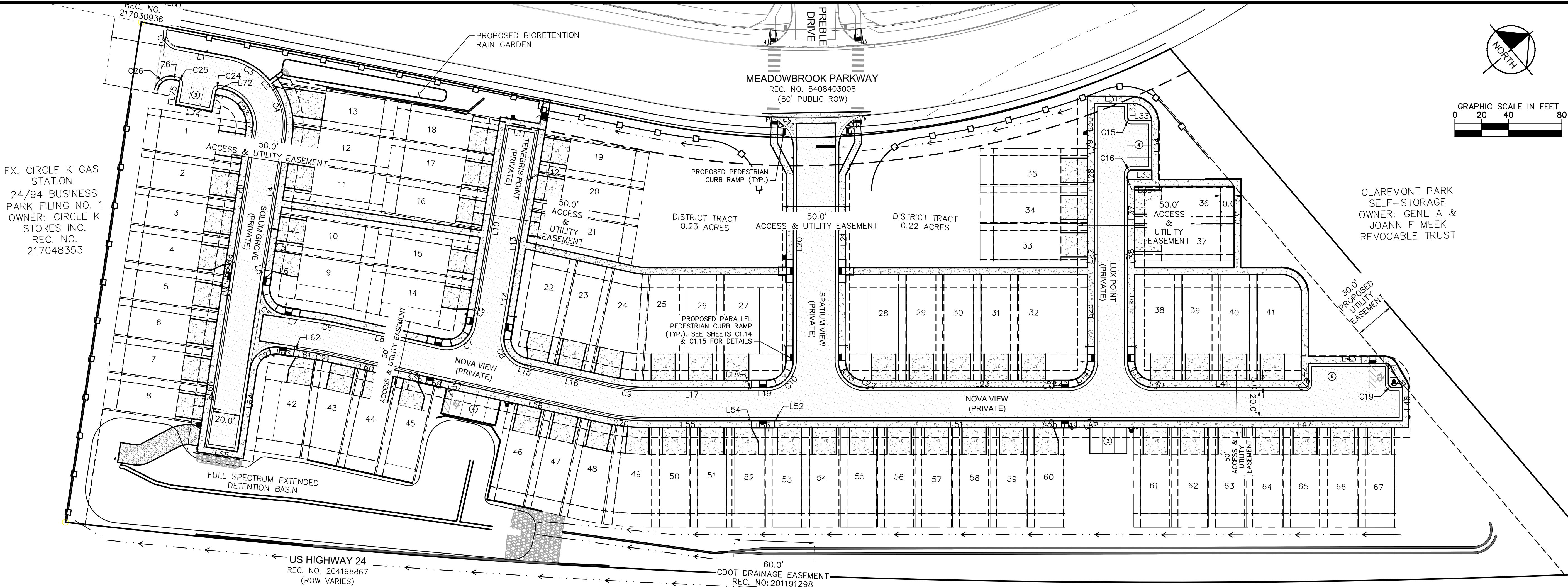
Kimley»»Horn
2021 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 300
Colorado Springs, Colorado 80903 (719) 453-0180

MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
EXISTING CONDITIONS AND DEMO PLAN

PROJECT NO.
096956009

SHEET
C1.3

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LEGEND

- PROPERTY BOUNDARY
- EASEMENT
- PROPOSED MSE BLOCK RETAINING WALL
- STANDARD DUTY CONCRETE
- STANDARD DUTY ASPHALT
- PROPOSED LANDSCAPING

KEY NOTES:

- PROPOSED PARKING (9' X 19')
- PROPOSED 6' TALL MASONRY SCREEN WALL
- PROPOSED FIRE ACCESS ONLY GATE WITH KNOX BOX
- PROPOSED 5' SIDEWALK

LINE TABLE				LINE TABLE				LINE TABLE				CURVE TABLE							
LINE	LENGTH	BEARING	CURB TYPE	LINE	LENGTH	BEARING	CURB TYPE	LINE	LENGTH	BEARING	CURB TYPE	CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	CURB TYPE
L1	39.92	S50°58'49.63"W	TYPE A-CATCH	L27	5.07	N40°24'57.83"W	TRANSITION	L53	17.00	S40°07'31.19"W	TYPE A-CATCH	C1	10.00'	16.68'	N81°13'59"W	14.81'	95°34'24"	11.02'	TYPE A-CATCH
L2	1.99	N88°41'41.86"W	TYPE A-CATCH	L28	79.00	N49°52'28.81"W	TYPE C-CATCH/MOUNTABLE	L54	2.17	S62°44'13.41"W	TRANSITION	C3	52.00'	35.83'	S70°43'08"W	35.12'	39°28'36"	18.66'	TYPE A-CATCH
L3	5.17	N75°08'53.52"W	TRANSITION	L29	5.07	N59°19'59.79"W	TRANSITION	L55	75.30	S40°07'31.19"W	TYPE C-CATCH/MOUNTABLE	C4	51.17'	36.09'	N61°28'23"W	35.35'	40°24'51"	18.83'	TYPE A-CATCH
L4	99.52	N41°13'42.99"W	TYPE C-CATCH/MOUNTABLE	L30	28.47	N49°52'28.81"W	TYPE A-CATCH	L56	111.99	S52°37'31.48"W	TYPE C-CATCH/MOUNTABLE	C5	20.00'	31.42'	N86°13'43"W	28.28'	90°00'00"	20.00'	TYPE A-SPILL
L5	2.17	N63°50'25.21"W	TRANSITION	L31	24.00	N40°14'13.47"E	TYPE A-CATCH	L57	2.17	S30°00'22.34"W	TRANSITION	C6	163.00'	10.96'	S50°41'54"W	10.96'	3°51'14"	5.48'	TYPE A-SPILL
L6	11.00	N41°13'42.99"W	TYPE A-CATCH	L32	9.93	S49°52'28.81"E	TYPE A-SPILL	L58	25.33	S52°37'30.92"W	TYPE A-SPILL	C7	20.00'	32.46'	S6°07'31"W	29.01'	93°00'00"	21.08'	TYPE A-SPILL
L7	28.12	S48°46'17.01"W	TRANSITION	L33	15.00	N40°07'31.19"E	TYPE A-SPILL	L59	2.17	S75°14'39.51"W	TRANSITION	C8	20.00'	30.37'	N83°52'29"W	27.53'	87°00'00"	18.98'	TYPE A-CATCH
L8	80.00	S52°37'30.92"W	TYPE A-SPILL	L34	36.00	S49°52'28.81"E	TYPE A-SPILL	L60	67.00	S52°37'30.92"W	TYPE C-SPILL/MOUNTABLE	C9	138.83'	30.29'	S46°22'31"W	30.23'	12°30'00"	15.20'	TYPE C-CATCH/MOUNTABLE
L9	2.17	S17°45'46.86"E	TRANSITION	L35	15.00	S40°07'31.19"W	TYPE A-SPILL	L61	15.12	S48°46'17.01"W	TYPE C-SPILL/MOUNTABLE	C10	20.50'	32.16'	S4°49'17"E	28.96'	89°53'36"	20.46'	TYPE A-CATCH
L10	138.11	S40°22'29.08"E	TYPE C-SPILL/MOUNTABLE	L36	5.07	S40°24'57.83"E	TRANSITION	L62	2.17	S26°09'08.42"W	TRANSITION	C11	25.00'	37.95'	N86°44'34"E	34.41'	86°58'41"	23.72'	TYPE A-CATCH
L11	22.33	S49°37'30.92"W	TYPE A-SPILL	L37	55.00	S49°52'28.81"E	TYPE C-CATCH/MOUNTABLE	L63	11.00	S48°46'17.01"W	TYPE A-SPILL	C12	25.00'	38.39'	S5°46'35"E	34.73'	87°59'00"	24.14'	TYPE A-CATCH
L12	83.34	N40°22'29.08"W	TYPE C-CATCH/MOUNTABLE	L38	5.07	S59°19'59.79"E	TRANSITION	L64	62.00	S41°13'42.99"E	TYPE A-CATCH	C13	20.50'	32.24'	N85°10'43"E	29.02'	90°06'24"	20.54'	TYPE A-CATCH
L13	5.07	N49°50'00.06"W	TRANSITION	L39	75.00	S49°52'28.81"E	TYPE A-CATCH	L65	23.17	S48°46'17.01"W	TYPE A-SPILL	C14	20.00'	31.42'	N4°52'29"W	28.28'	90°00'07"	20.00'	TYPE A-CATCH
L14	66.12	N40°22'29.08"W	TYPE A-CATCH	L40	2.17	N62°44'13.41"E	TRANSITION	L66	118.00	N41°13'42.99"W	TYPE C-SPILL/MOUNTABLE	C15	3.00'	4.71'	N85°07'31"E	4.24'	90°00'00"	3.00'	TYPE A-CATCH
L15	5.07	S62°05'01.90"W	TRANSITION	L41	111.00	N40°07'31.19"E	TYPE C-CATCH/MOUNTABLE	L67	2.17	N63°50'25.21"W	TRANSITION	C16	3.57'	5.01'	S9°16'24"E	4.61'	80°20'58"	3.02'	TYPE A-SPILL
L16	59.23	S52°37'30.92"W	TYPE C-CATCH/MOUNTABLE	L42	15.83	N49°57'06.62"W	TYPE A-CATCH	L68	17.00	N41°13'42.99"W	TYPE A-SPILL	C17	20.00'	31.42'	N85°07'31"E	28.28'	90°00'00"	20.00'	TYPE A-CATCH
L17	75.30	S40°07'31.19"W	TYPE C-CATCH/MOUNTABLE	L43	59.01	N39°52'35.48"E	TYPE A-CATCH	L69	2.17	N18°36'34.41"W	TRANSITION	C18	3.01'	4.71'	N4°54'48"W	4.25'	89°33'44"	2.99'	TYPE A-CATCH
L18	2.17	S17°30'48.97"W	TRANSITION	L44	15.00	S49°52'28.81"E	TYPE A-CATCH	L70	99.49	N41°13'42.99"W	TYPE C-SPILL/MOUNTABLE	C19	3.54'	5.25'	N82°57'37"E	4.78'	85°04'09"	3.24'	TYPE A-CATCH
L19	11.00	S40°07'31.19"W	TYPE A-CATCH	L45	6.98	N40°10'55.50"E	TYPE A-CATCH	L71	5.23	N55°34'08.95"W	TRANSITION	C20	161.17'	35.16'	S46°22'31"W	35.09'	12°30'00"	17.65'	TYPE A-CATCH
L20	158.07	S49°46'04.97"E	TYPE A-CATCH	L46	23.17	S49°52'28.81"E	TYPE A-SPILL	L72	1.86	S51°03'12.44"W	TYPE A-CATCH	C21	139.83'	9.41'	S50°41'54"W	9.40'	3°51'14"	4.70'	TYPE A-SPILL
L21	159.17	S49°46'04.97"E	TYPE A-CATCH	L47	233.13	S40°07'31.19"W	TYPE C-CATCH/MOUNTABLE	L73	15.00	S38°56'47.56"E	TYPE A-CATCH	C22	20.00'	31.42'	S3°46'17"W	28.28'	90°00'00"	20.00'	TYPE A-SPILL
L22	2.17	N62°44'13.41"E	TRANSITION	L48	2.17	S17°30'48.97"W	TRANSITION	L74	27.00	S51°03'12.44"W	TYPE A-SPILL	C23	28.00'	38.40'	S89°03'04"W	35.46'	78°34'43"	22.91'	TYPE A-SPILL
L23	136.89	N40°07'31.19"E	TYPE C-CATCH/MOUNTABLE	L49	25.34	S40°07'31.19"W	TYPE A-CATCH	L75	14.96	N38°56'47.56"W	TYPE A-SPILL	C24	3.00'	4.71'	S6°03'12"W	4.24'	90°00'00"	3.00'	TYPE A-CATCH
L24	2.17	N17°30'48.97"E	TRANSITION	L50	2.17	S62°44'13.41"W	TRANSITION	L76	2.76	S50°58'49.63"W	TYPE A-SPILL	C25	3.00'	4.72'	N83°58'59"W	4.25'	90°04'23"	3.00'	TYPE A-SPILL
L25	11.00	N40°07'31.19"E	TYPE A-CATCH	L51	204.89	S40°07'31.19"W	TYPE C-CATCH/MOUNTABLE					C26	10.00'	16.09'	S4°52'33"W	14.41'	92°12'33"	10.39'	TYPE A-SPILL
L26	75.00	N49°52'28.81"W	TYPE A-CATCH	L52	2.17	S17°30'48.97"W	TRANSITION												

MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
HORIZONTAL CONTROL PLAN

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Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
096956009

SHEET
C1.4

Kimley»Horn

2021 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 300
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: KK
DRAWN BY: KK
CHECKED BY: JH
DATE: 06/07/2021

NO. REVISION BY DATE APPR

- 1 PROPOSED STOP BAR PER DETAIL ON SHEET C1.6
- 2 PROPOSED R1-1 STOP SIGN PER DETAIL ON SHEET C1.6
- 3 PROPOSED D3 STREET NAME SIGN WITH R1-1 STOP SIGN PER DETAIL ON SHEET C1.6
- 4 PROPOSED ADA SIGN PER DETAIL ON SHEET C1.6
- 5 FIRE LANE NO PARKING, TYPE A, SIGN PER CIMARRON HILLS FIRE DEPT. DETAIL ON SHEET C1.6
- 6 FIRE LANE NO PARKING, TYPE C, SIGN PER CIMARRON HILLS FIRE DEPT. DETAIL ON SHEET C1.6
- 7 FIRE LANE NO PARKING, TYPE D, SIGN PER CIMARRON HILLS FIRE DEPT. DETAIL ON SHEET C1.6
- 8 'NO PARKING FIRE LANE' CURB PAINTED RED WITH WHITE LETTERING PER CIMARRON HILLS FIRE DEPT. DETAIL ON SHEET C1.6
- 9 PROPOSED ADA PARKING STALL STRIPING. DETAIL ON SHEET C1.6
- 10 PROPOSED STANDARD PARKING STALL STRIPING. DETAIL ON SHEET C1.6
- 11 PROPOSED W11-2 PEDESTRIAN SIGN AND W16-7P DIRECTIONAL ARROW SIGN. DETAIL ON SHEET C1.6
- 12 PROPOSED PEDESTRIAN CROSSWALK STRIPING. DETAIL ON SHEET C1.6

PROPERTY BOUNDARY

EASEMENT

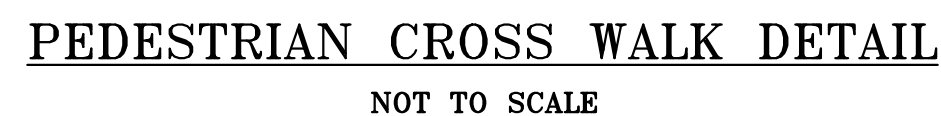
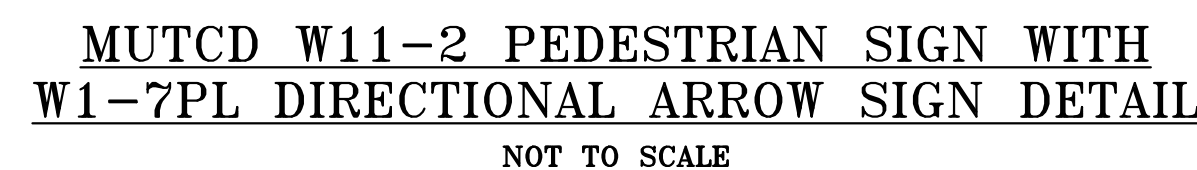
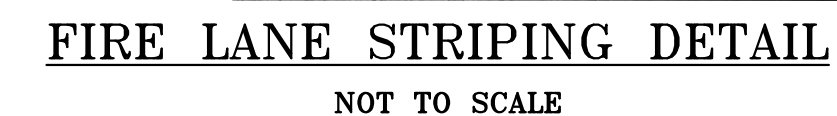
PROPOSED MSE BLOCK
RETAINING WALL

SITE DISTANCE TRIANGLE

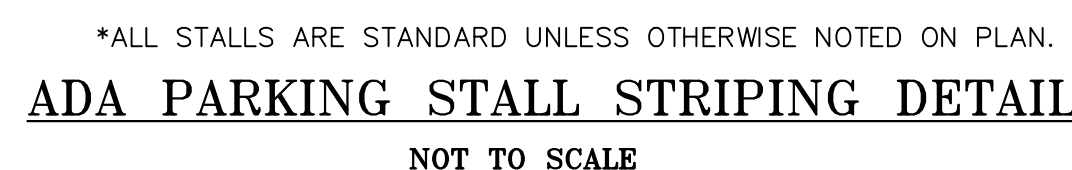
STANDARD DUTY CONCRETE

STANDARD DUTY ASPHALT

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NOT TO SCALE
REF. CIMARRON HILLS FIRE DEPT. LANE MARKING REQUIREMENTS



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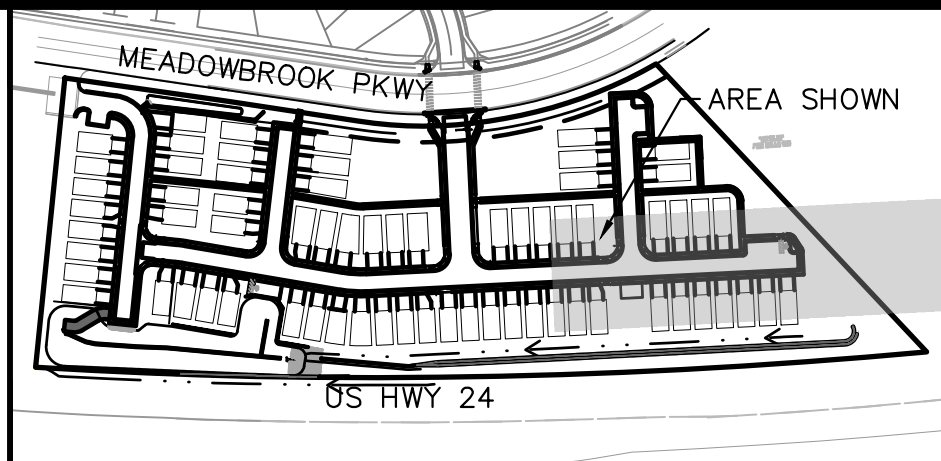
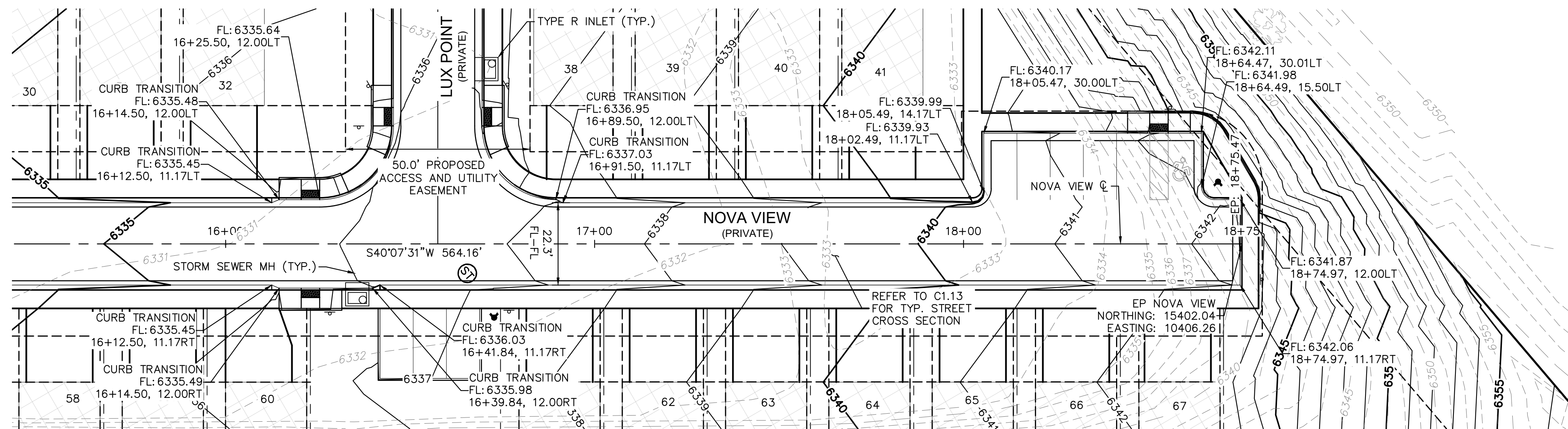
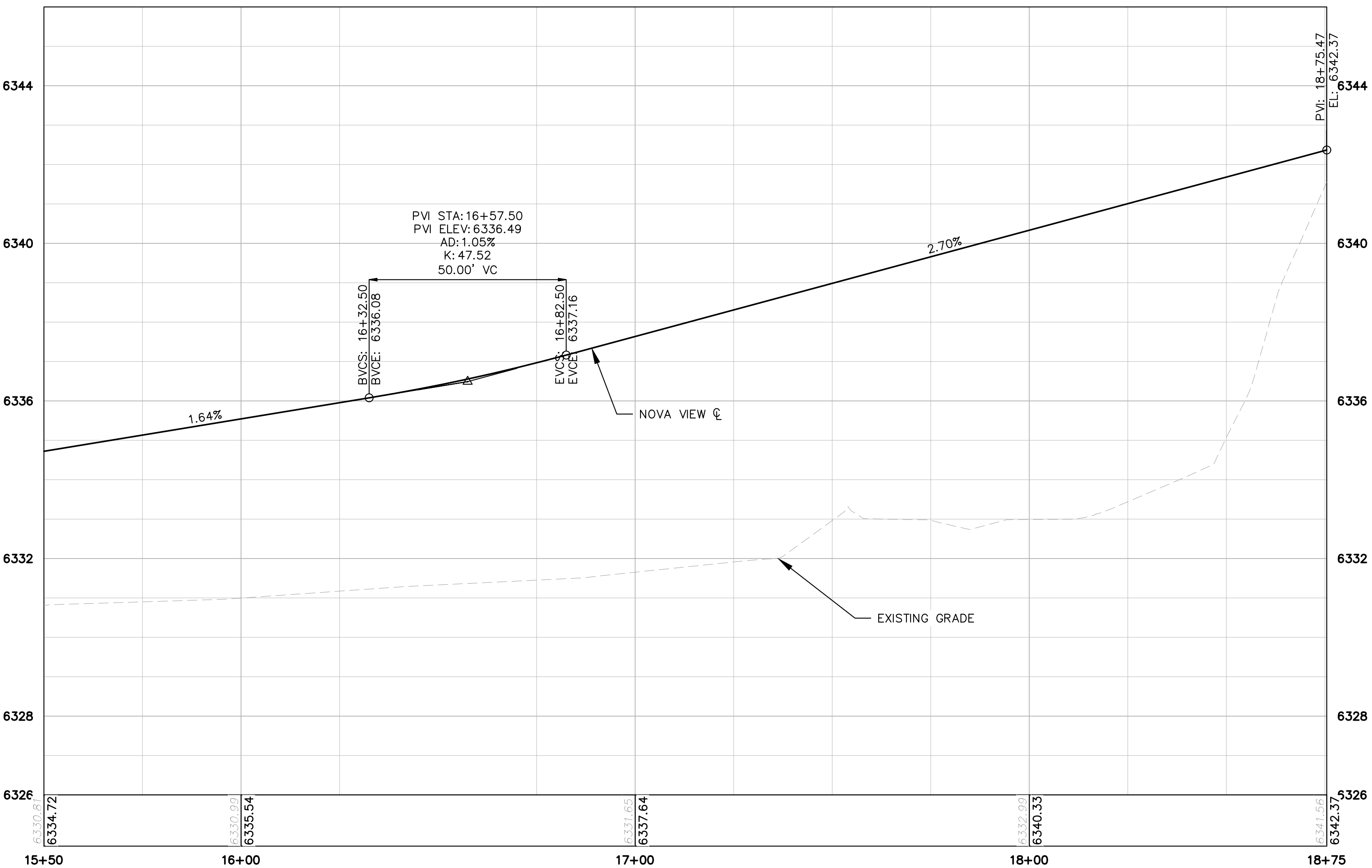
MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
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NOVA VIEW ROADWAY PLAN AND PROFILE

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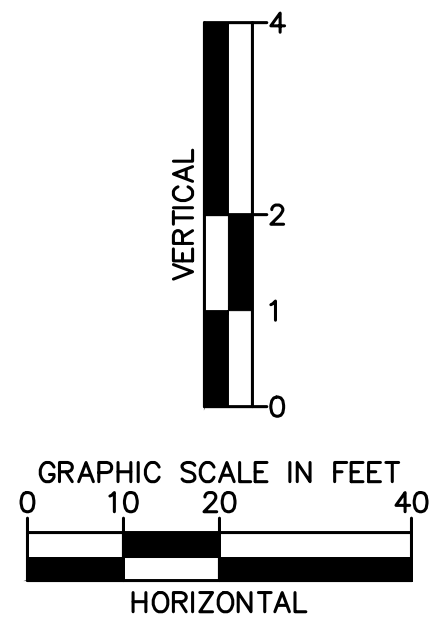
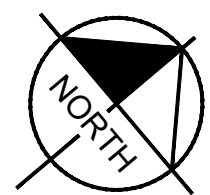
MATCHLINE SEE SHEET C1.7



KEYMAP
SCALE: 1" = 250'

LEGEND

- PROPERTY LINE
- 200' SETBACK LINE
- LIMITS OF DISTURBANCE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED SLOPE ARROW
- STORM SEWER PIPE
- STORM SEWER CURB INLET
- STORM SEWER FLARED END SECTION
- STORM SEWER MANHOLE



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2 North Nevada Avenue Suite 300
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: KK
DRAWN BY: KK
CHECKED BY: JH
DATE: 06/07/2021

MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
NOVA VIEW ROADWAY PLAN AND PROFILE

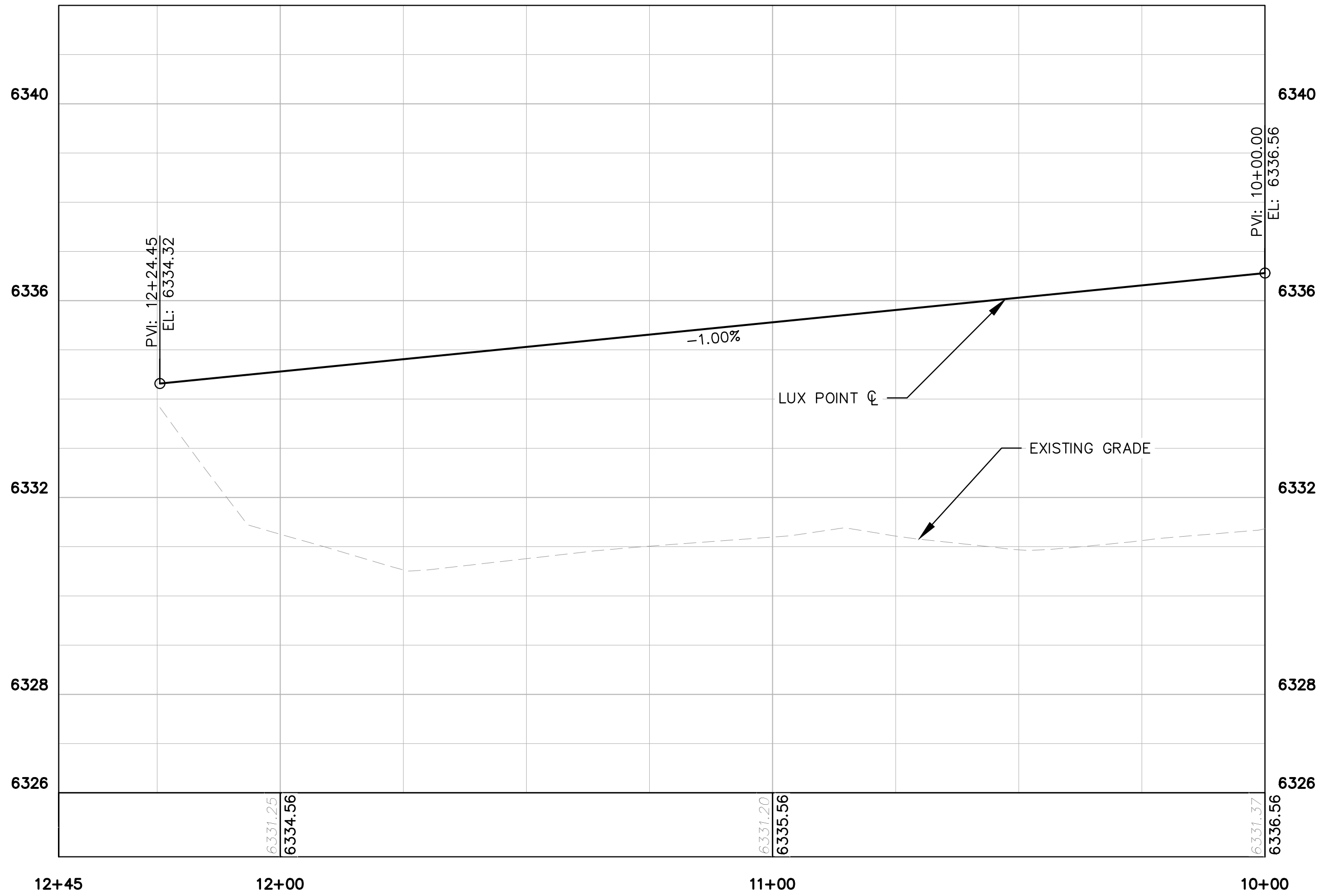
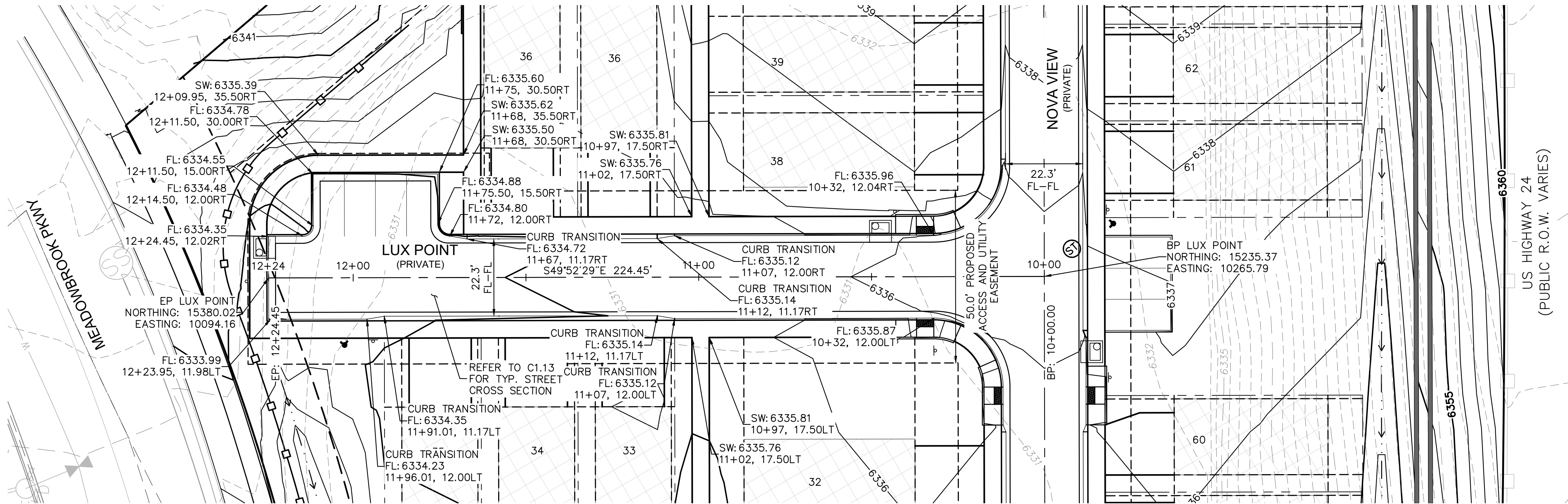
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096956009

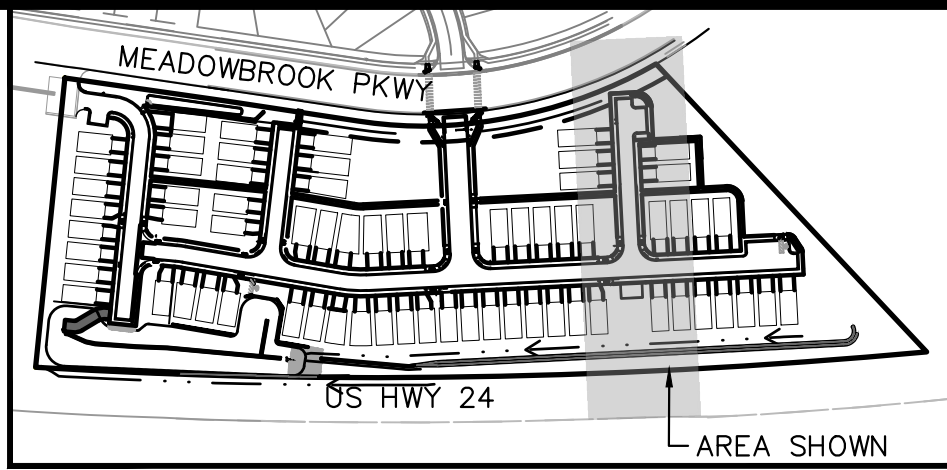
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C1.8

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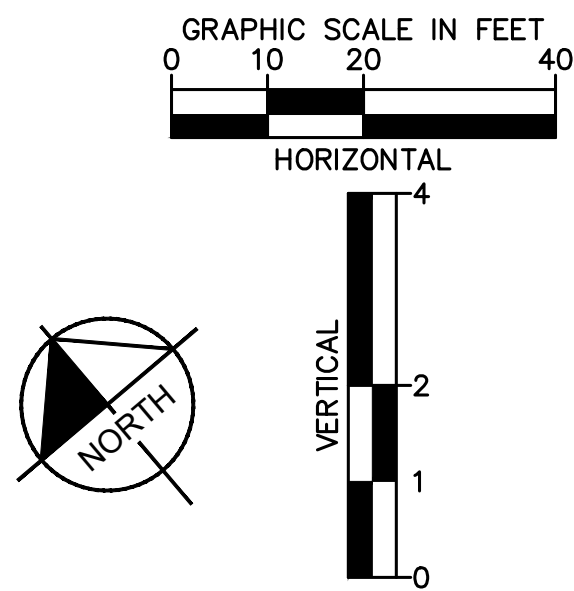
LUX POINT
STA. 10+00 - 12+15



KEYMAP
SCALE: 1" = 250'

LEGEND

- PROPERTY LINE
- 200' SETBACK LINE
- LIMITS OF DISTURBANCE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED SLOPE ARROW
- STORM SEWER PIPE
- STORM SEWER CURB INLET
- STORM SEWER FLARED END SECTION
- STORM SEWER MANHOLE



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Colorado Springs, Colorado 80903 (719) 453-0180

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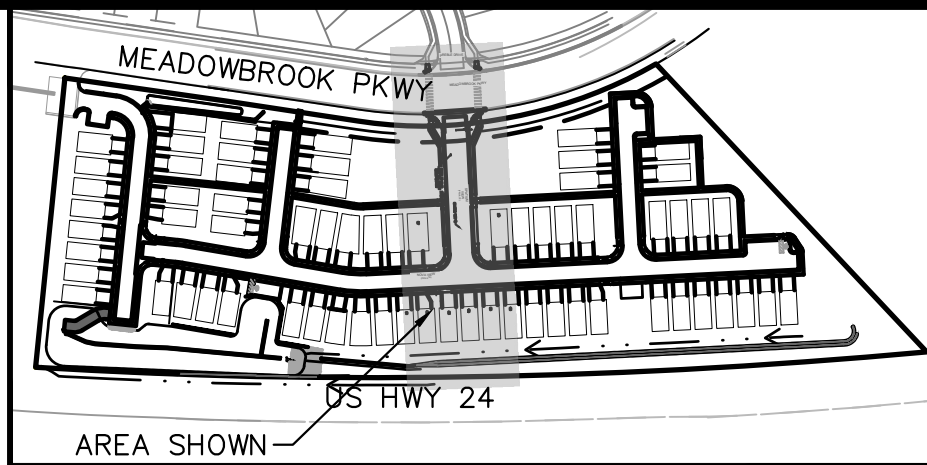
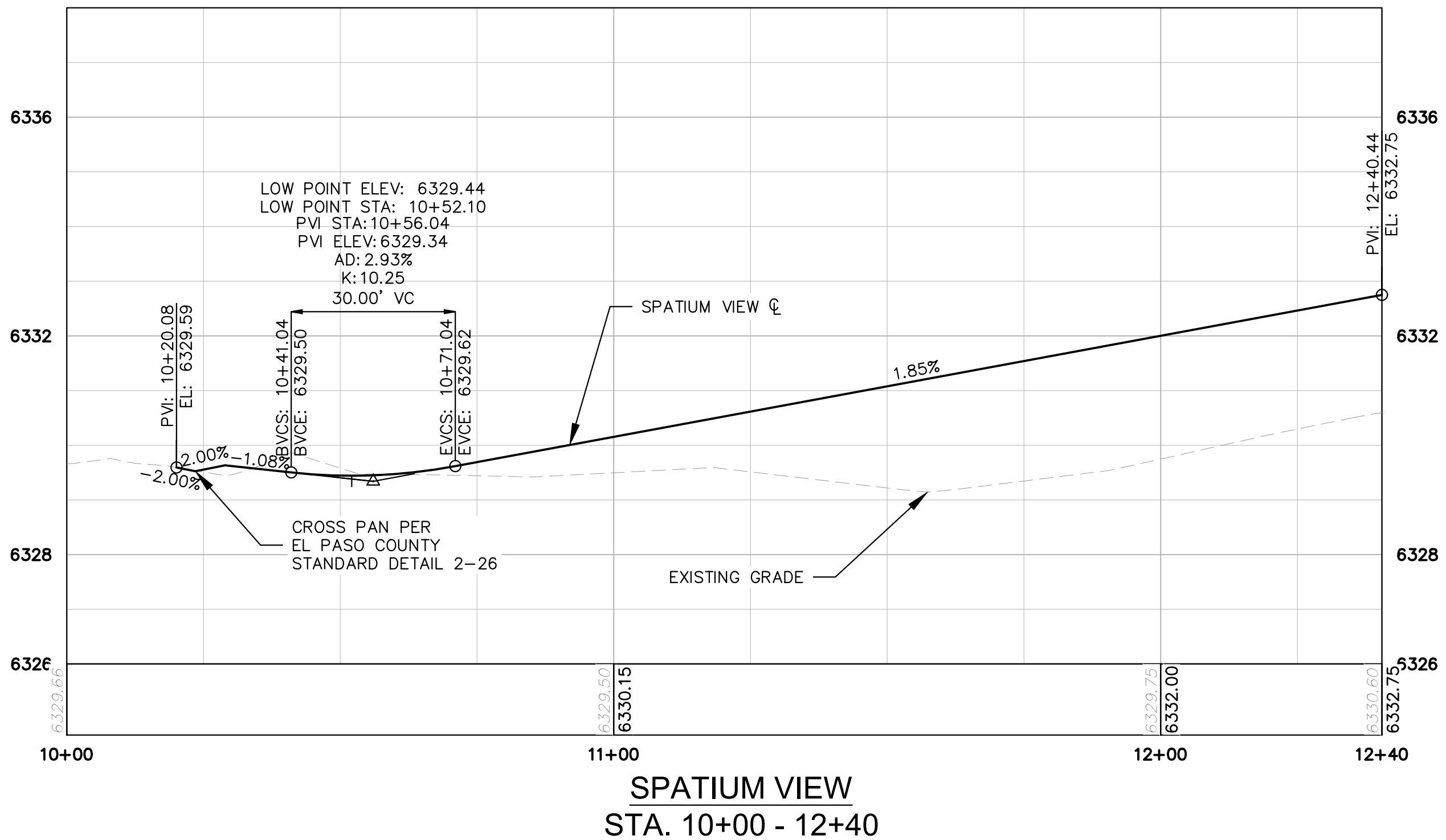
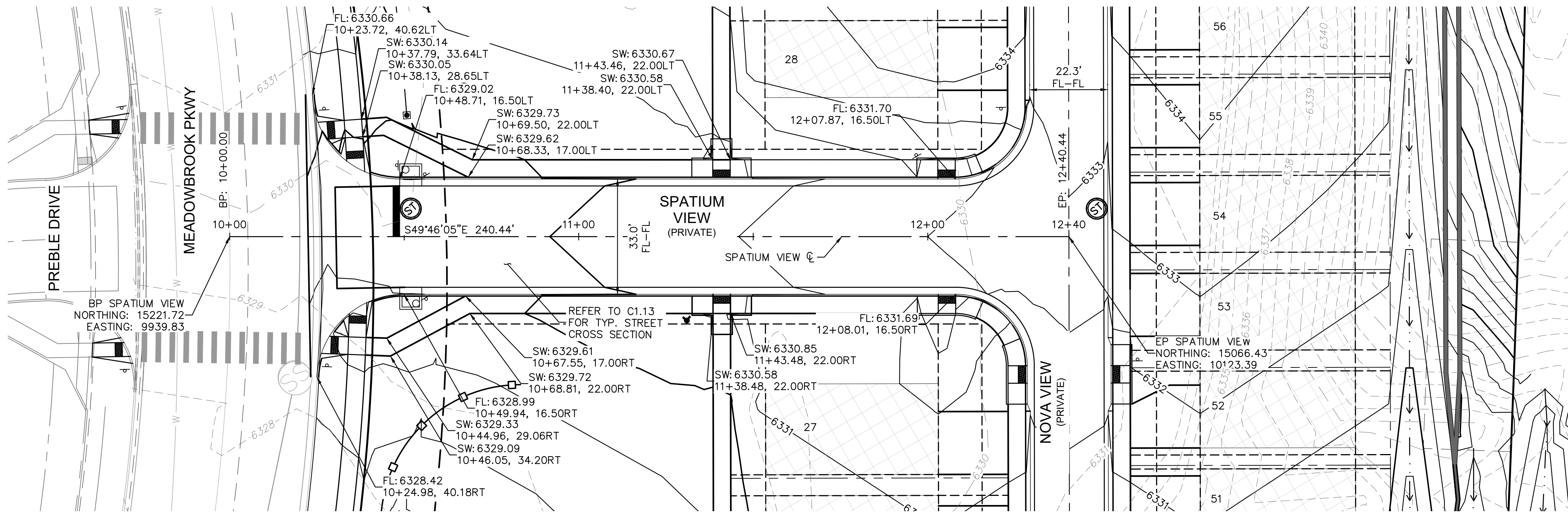
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CONSTRUCTION DOCUMENTS
LUX POINT ROADWAY PLAN AND PROFILE

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SHEET

C1.9



KEYMAP
SCALE: 1" = 250'

LEGEND

- | | |
|--|--------------------------------|
| | PROPERTY LINE |
| | 200' SETBACK LINE |
| | LIMITS OF DISTURBANCE |
| | PROPOSED MAJOR CONTOUR |
| | PROPOSED MINOR CONTOUR |
| | EXISTING MAJOR CONTOUR |
| | EXISTING MINOR CONTOUR |
| | PROPOSED SLOPE ARROW |
| | STORM SEWER PIPE |
| | STORM SEWER CURB INLET |
| | STORM SEWER FLARED END SECTION |
| | STORM SEWER MANHOLE |

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DATE: 06/07/2021

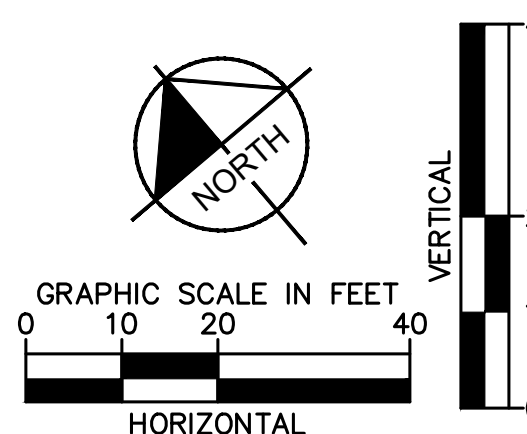
**MEADOWBROOK PARK
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CONSTRUCTION DOCUMENTS
SPATIUM VIEW ROADWAY PLAN AND PROFILE**

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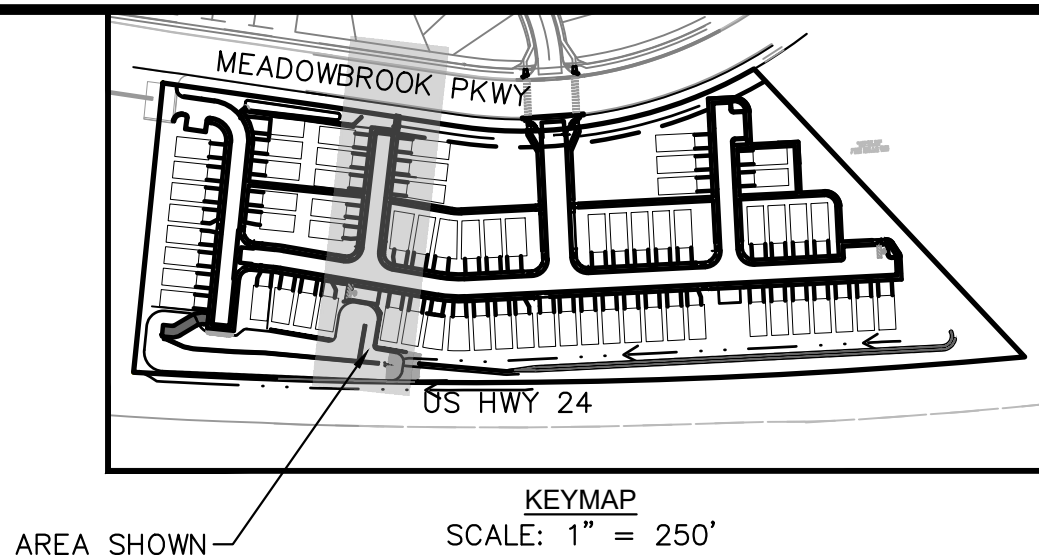
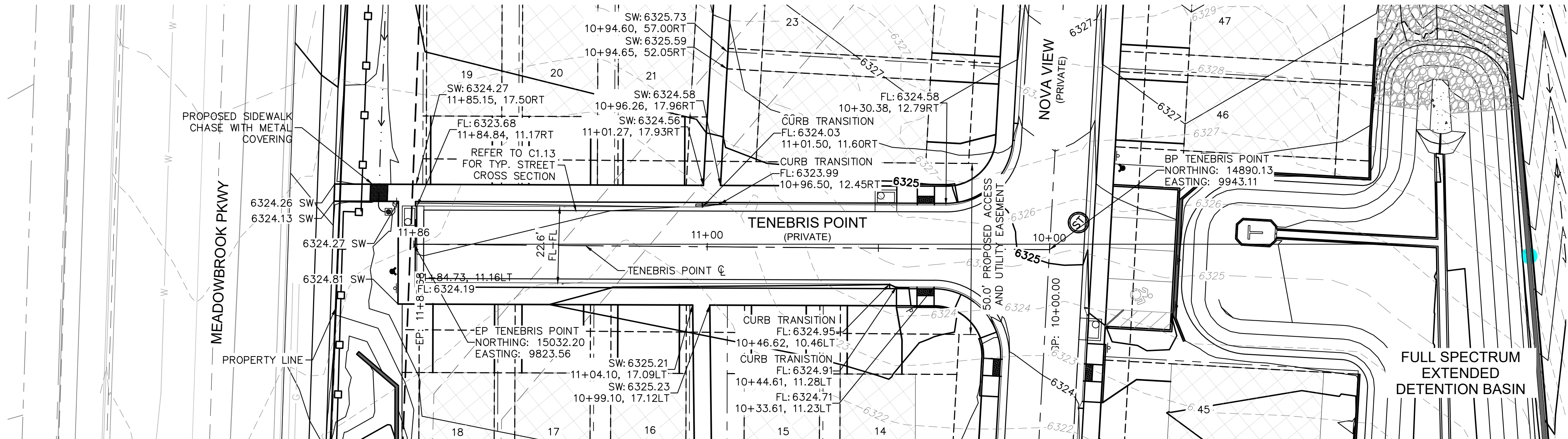
PROJECT NO	096956009
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SHEET

C1.10

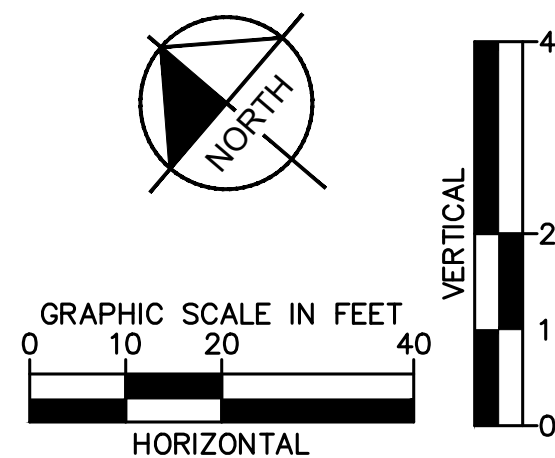
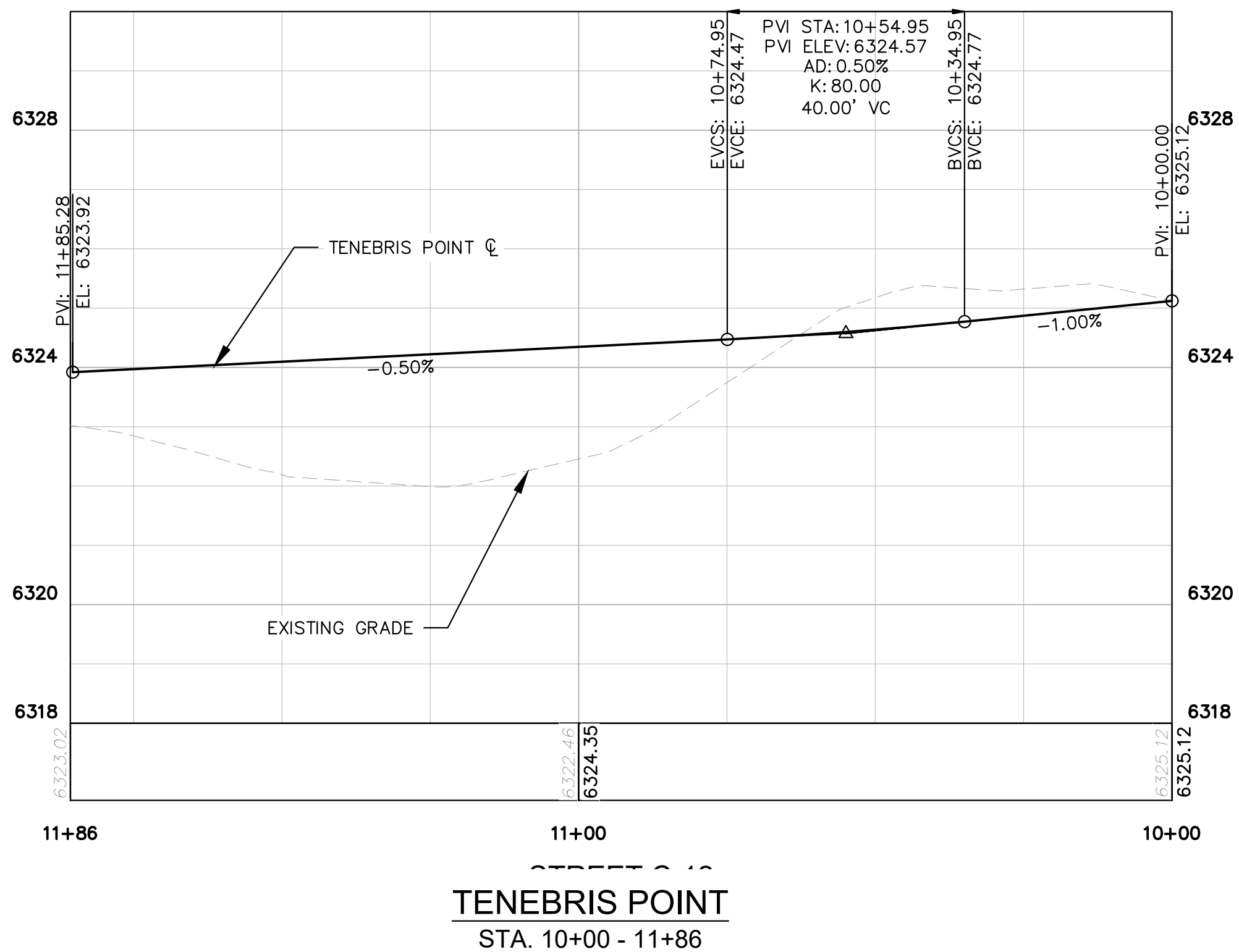


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LEGEND

- PROPERTY LINE
- 200' SETBACK LINE
- LIMITS OF DISTURBANCE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED SLOPE ARROW
- STORM SEWER PIPE
- STORM SEWER CURB INLET
- STORM SEWER FLARED END SECTION
- STORM SEWER MANHOLE



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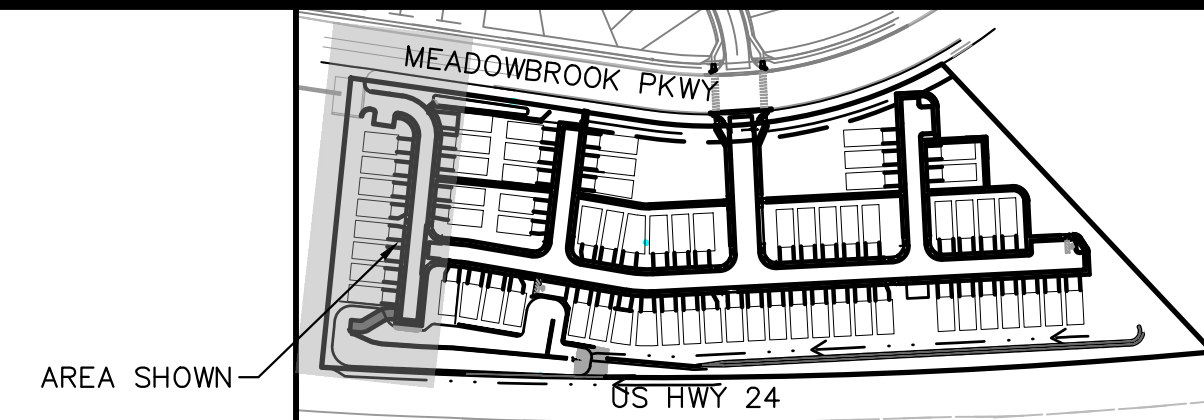
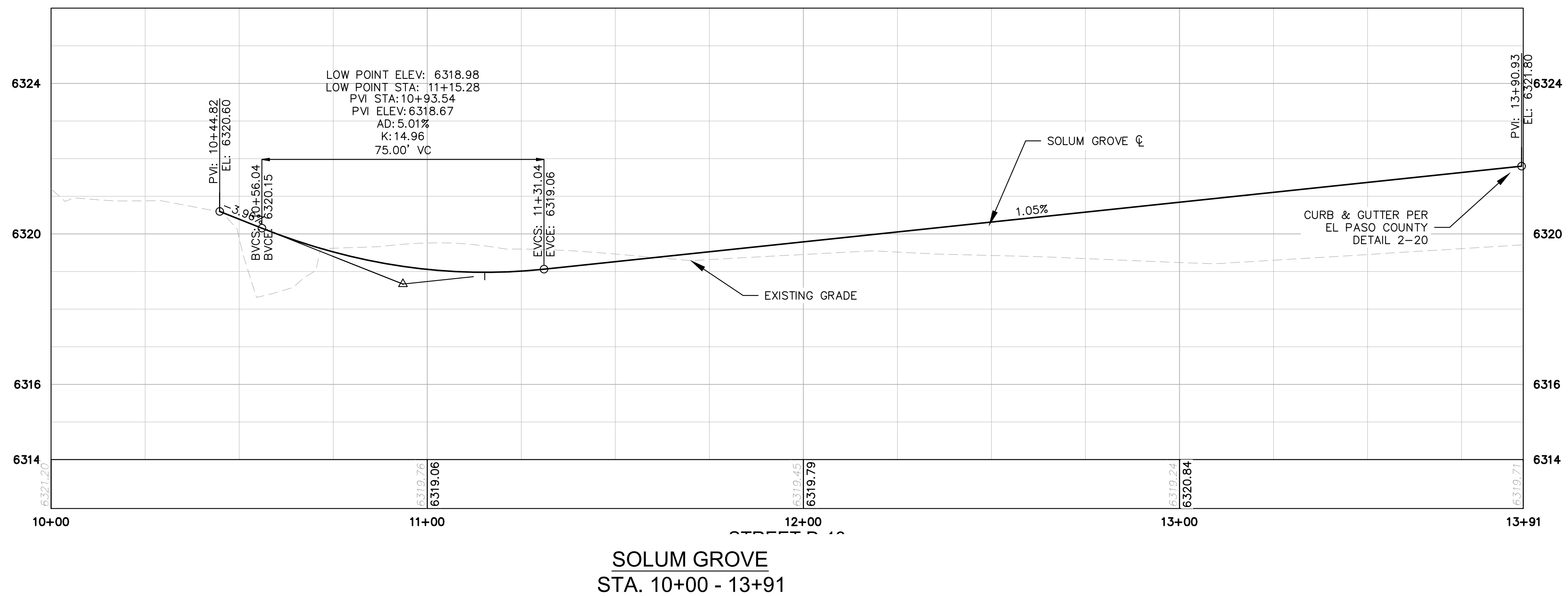
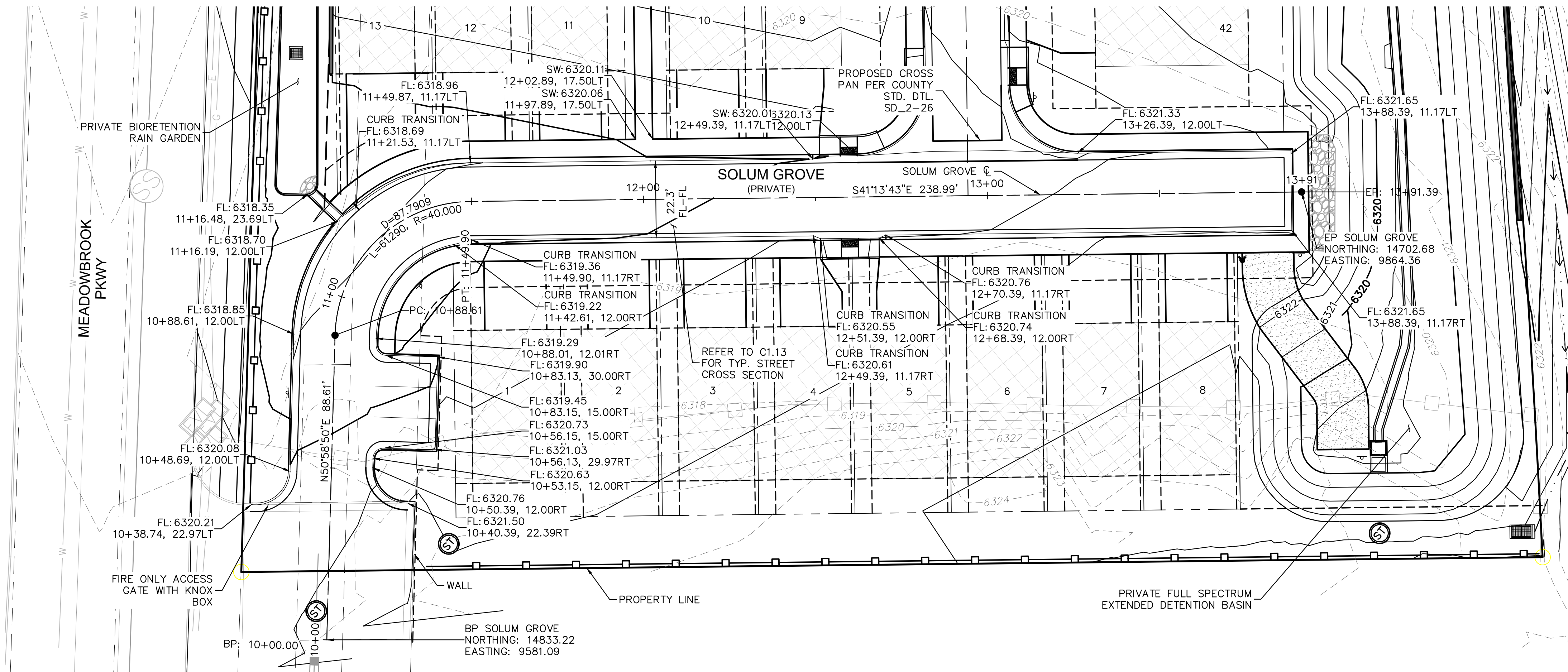
DESIGNED BY: KK
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DATE: 06/07/2021

MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
TENEBRIS POINT ROADWAY PLAN AND PROFILE

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SHEET

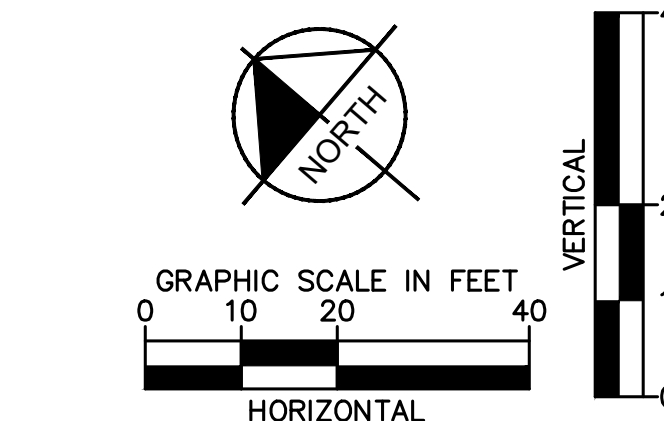
C1.11



KEYMAP
SCALE: 1" = 250'

LEGEND

- | | |
|--|--------------------------------|
| | PROPERTY LINE |
| | 200' SETBACK LINE |
| | LIMITS OF DISTURBANCE |
| | PROPOSED MAJOR CONTOUR |
| | PROPOSED MINOR CONTOUR |
| | EXISTING MAJOR CONTOUR |
| | EXISTING MINOR CONTOUR |
| | PROPOSED SLOPE ARROW |
| | STORM SEWER PIPE |
| | STORM SEWER CURB INLET |
| | STORM SEWER FLARED END SECTION |
| | STORM SEWER MANHOLE |



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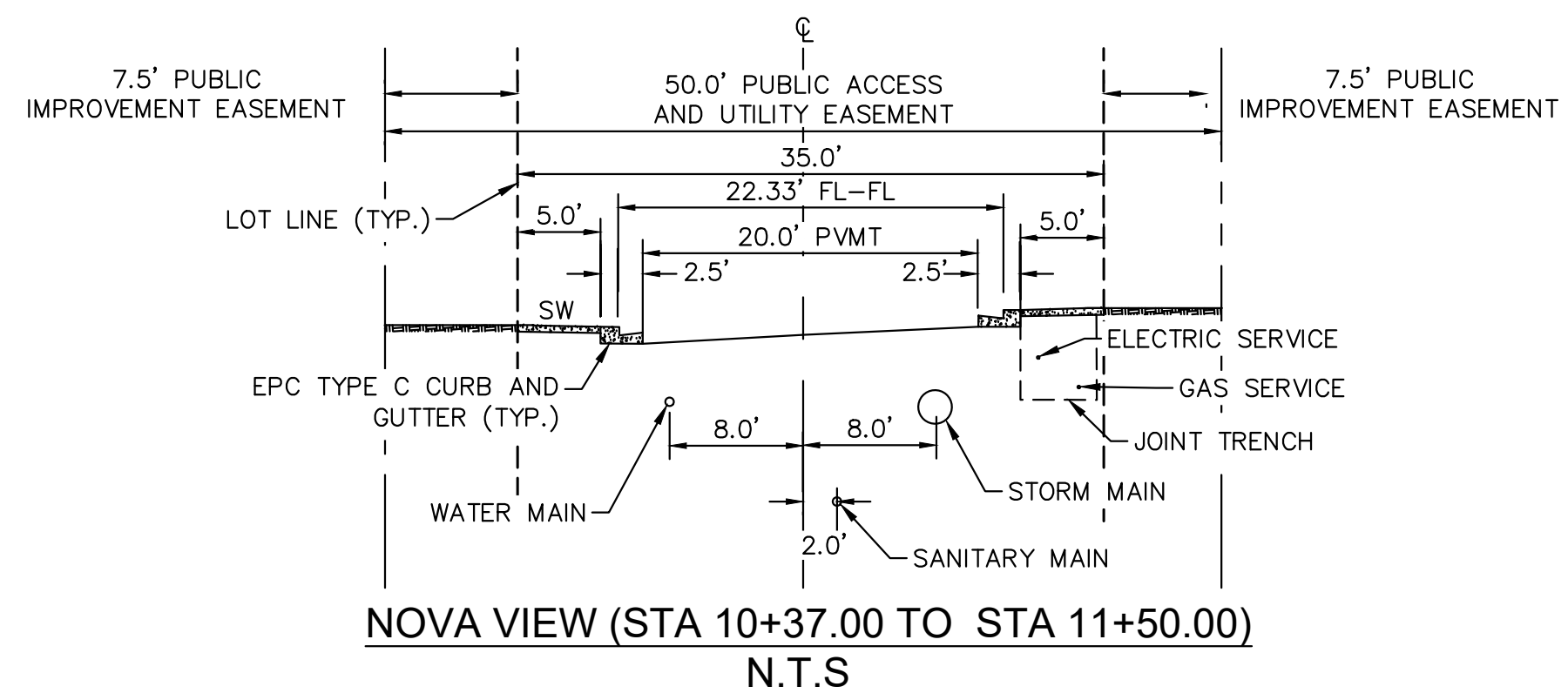
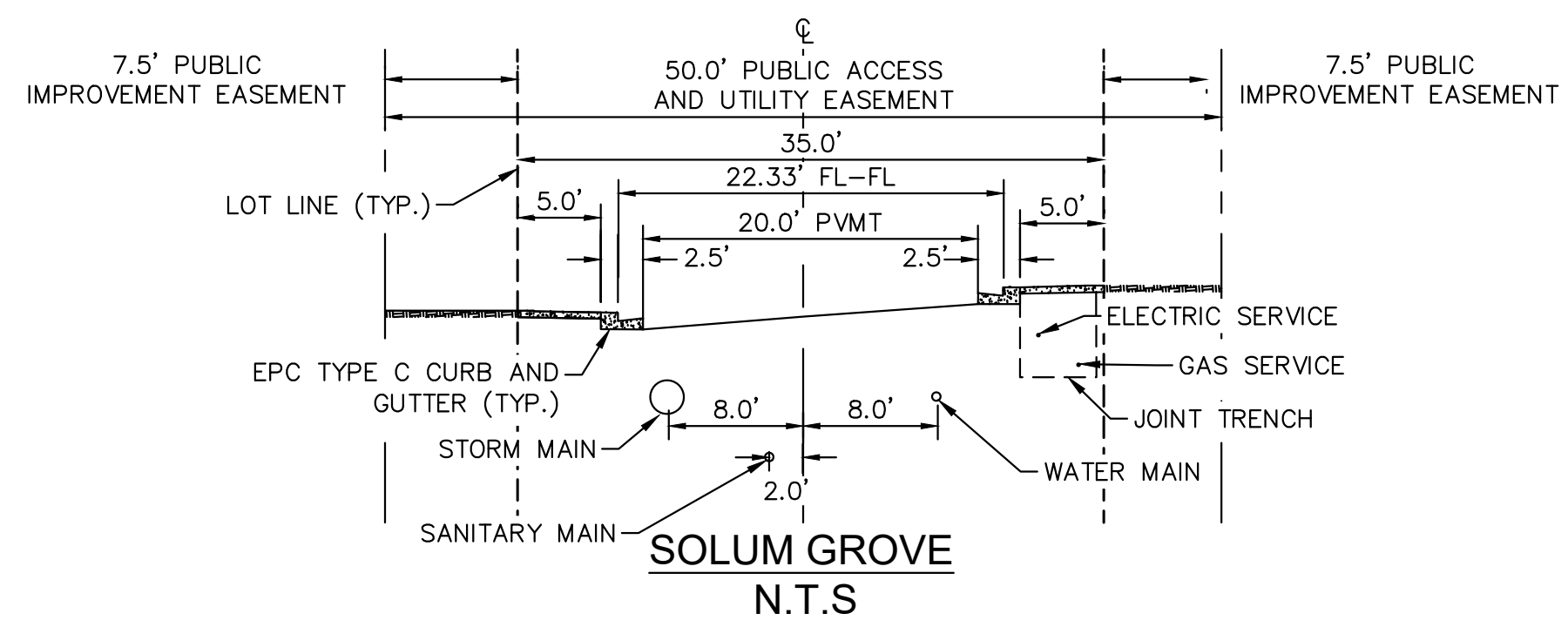
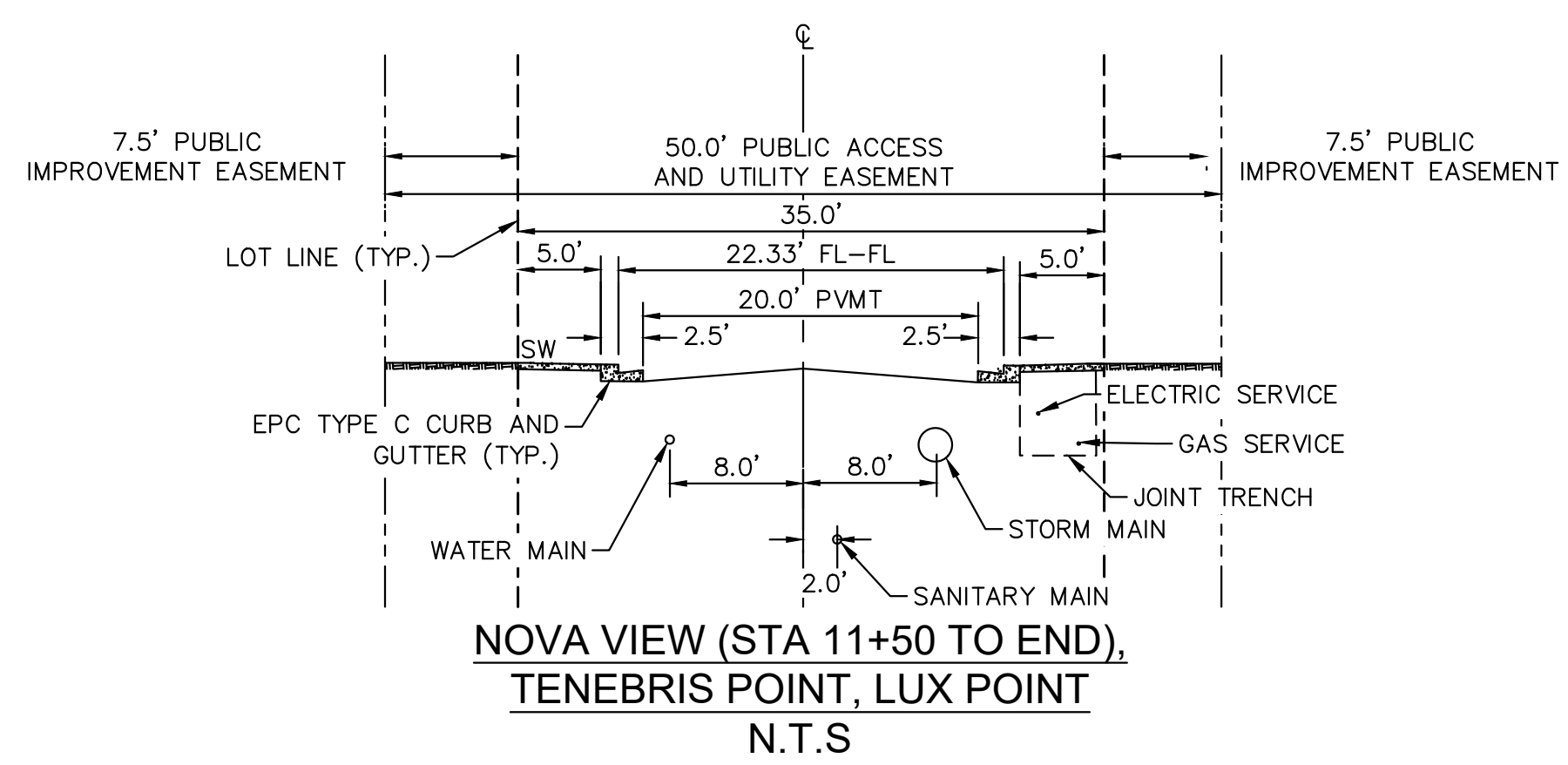
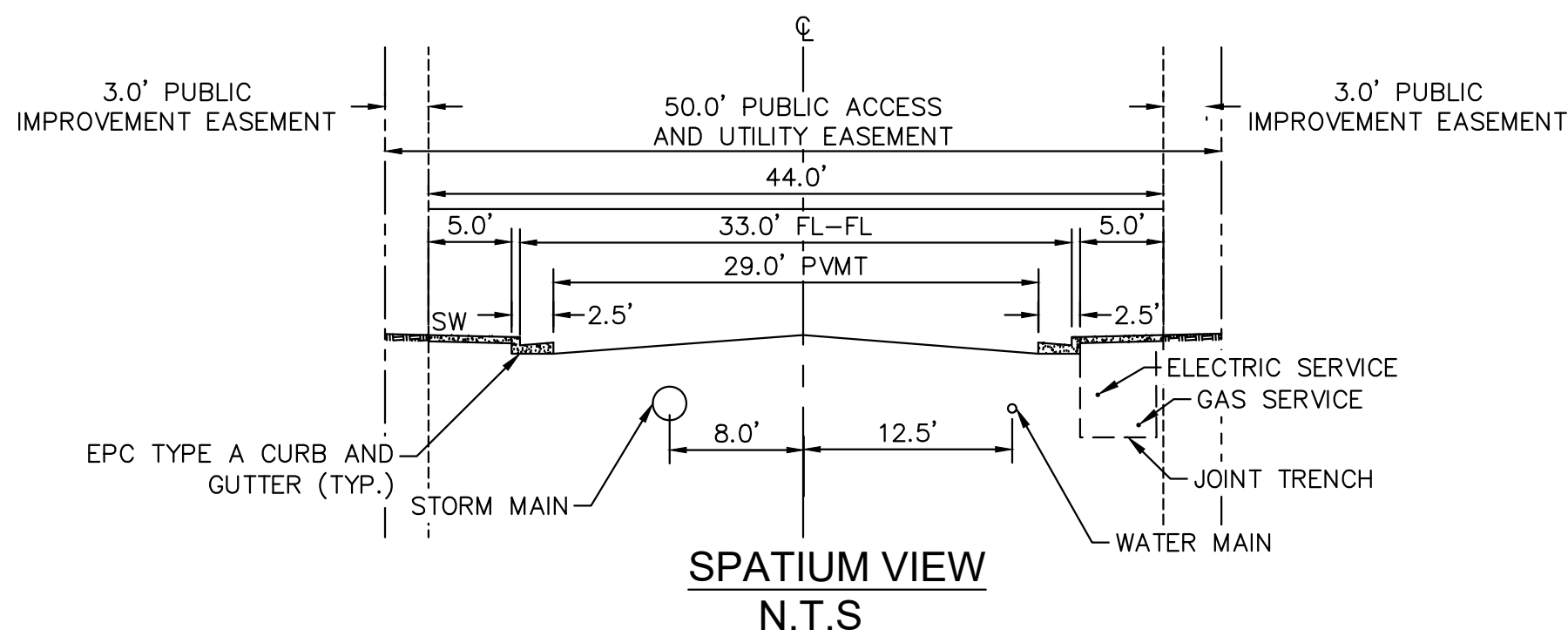
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CONSTRUCTION DOCUMENTS
SOLUM GROVE ROADWAY PLAN AND PROFILE

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PROJECT NO. 096956009
SHEET

C1.12

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MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
STREET TYPICAL CROSS SECTIONS

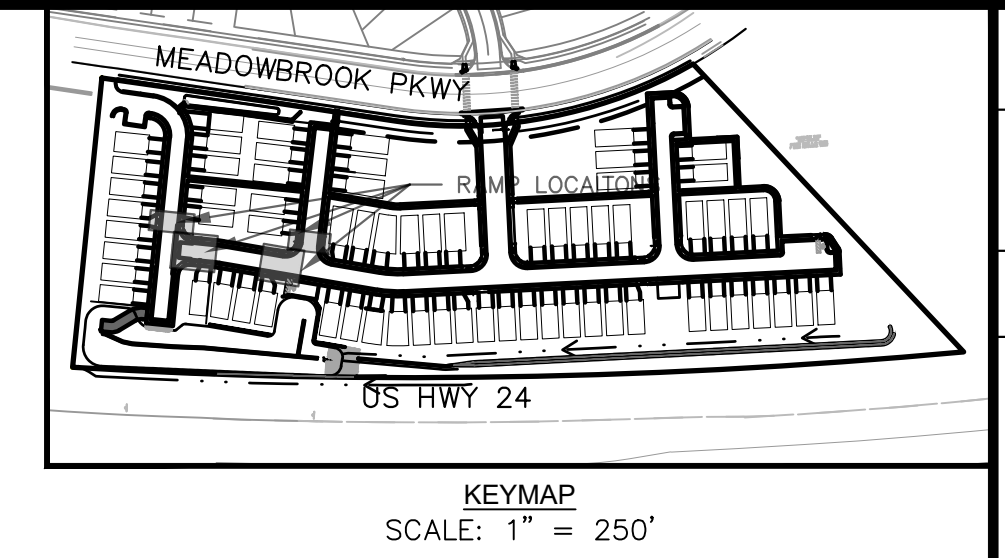
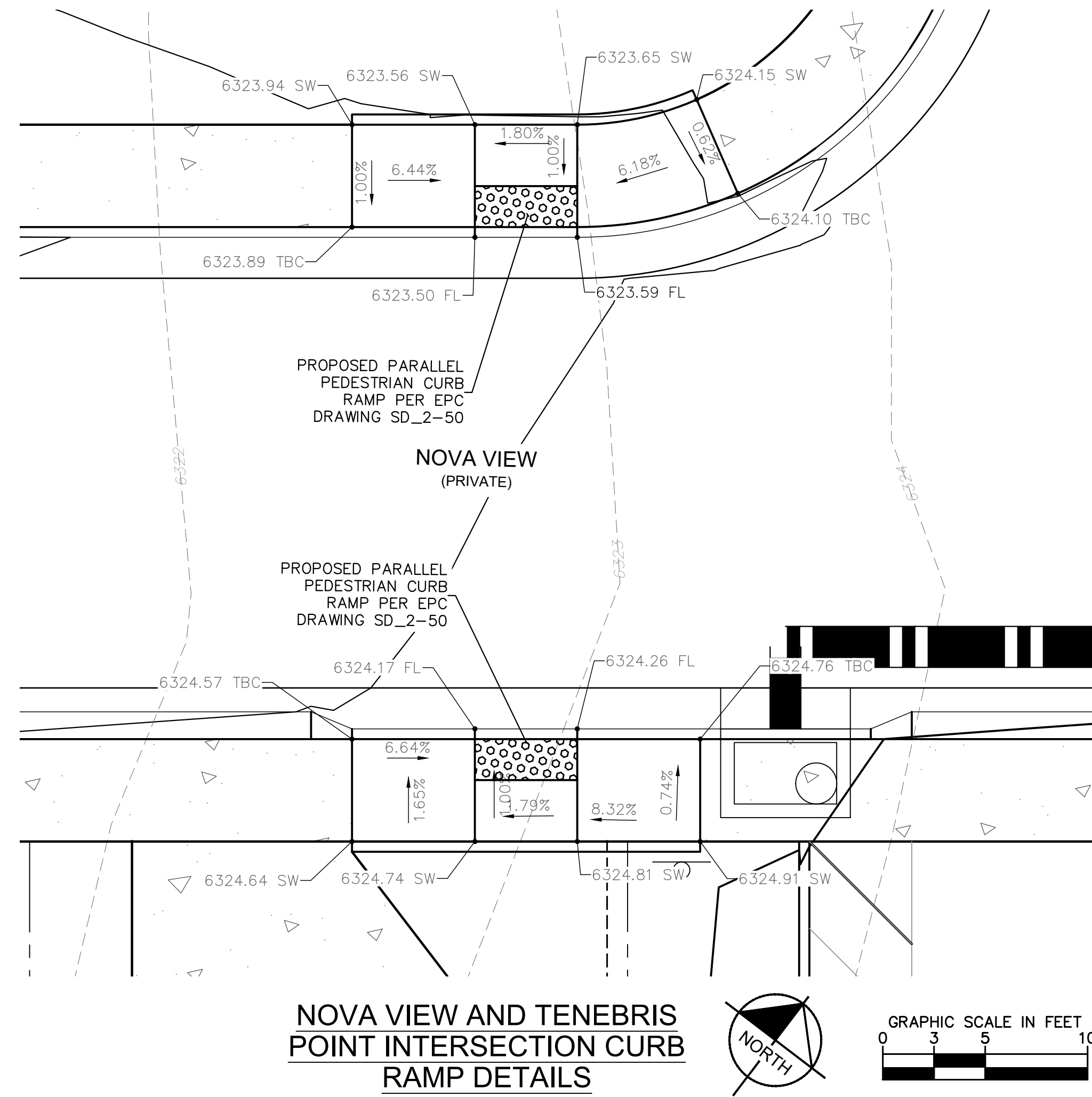
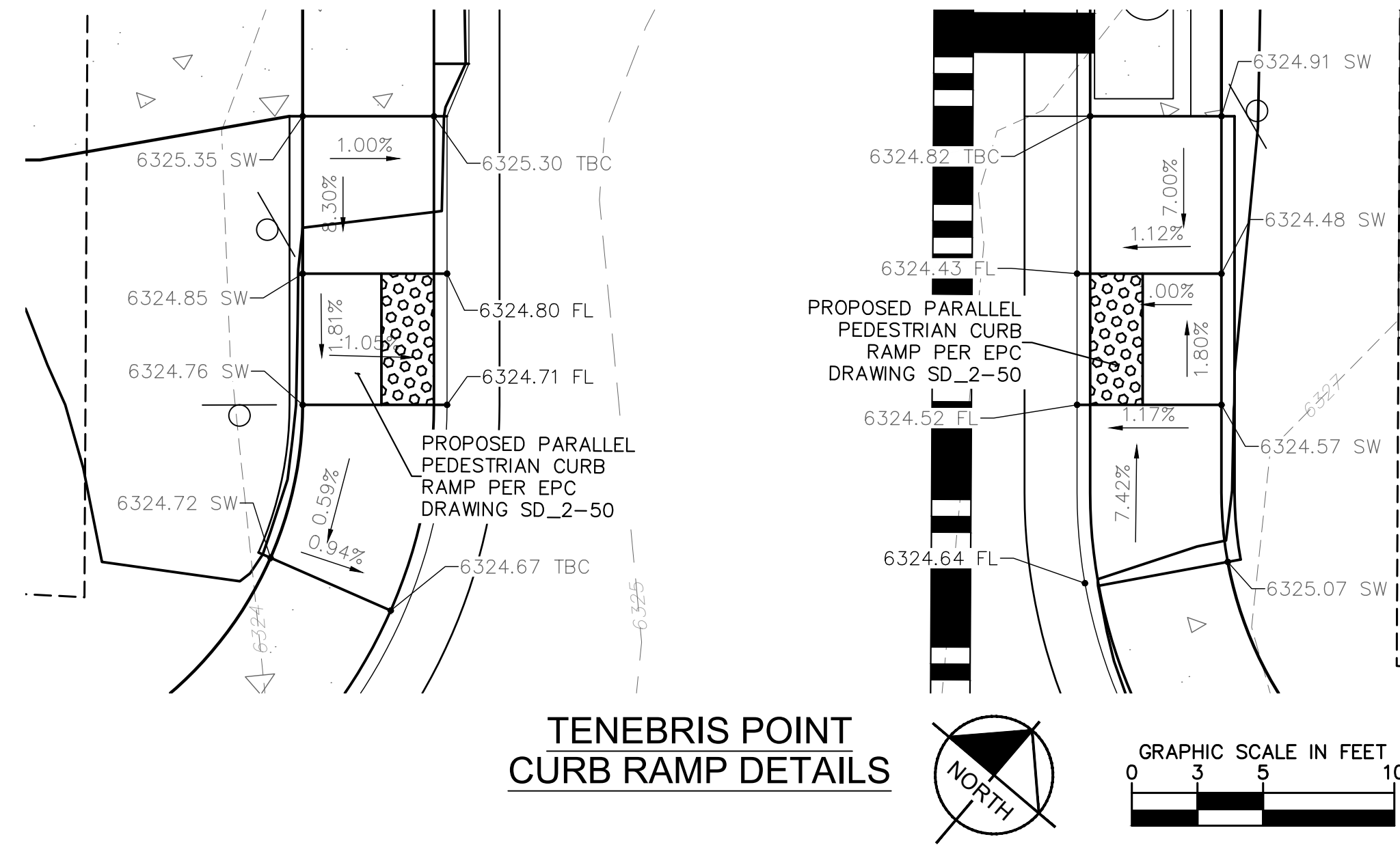
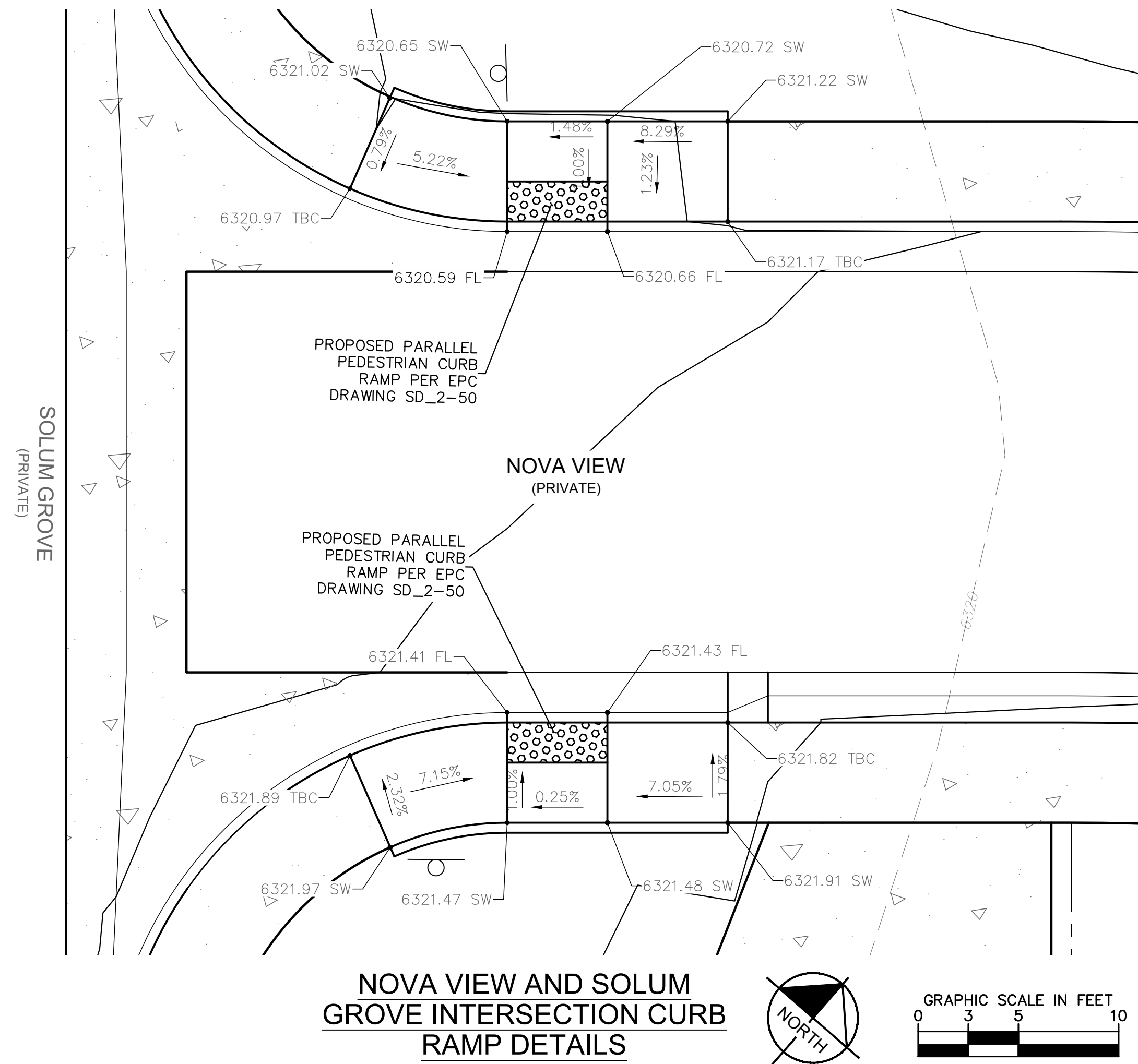
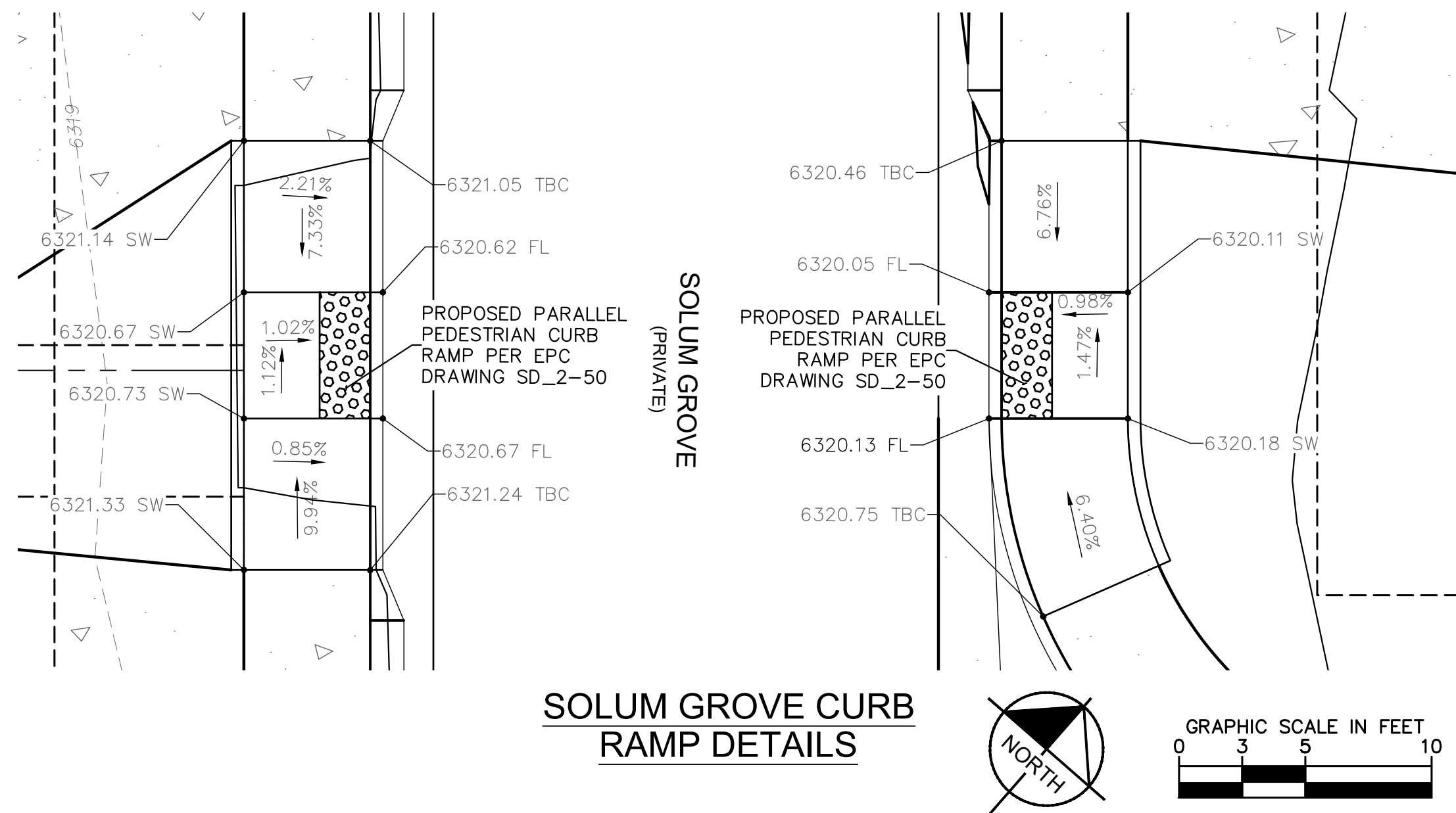
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SHEET
C1.13

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DATE: 06/07/2021

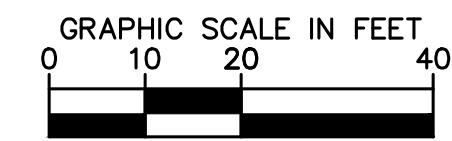
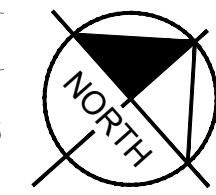
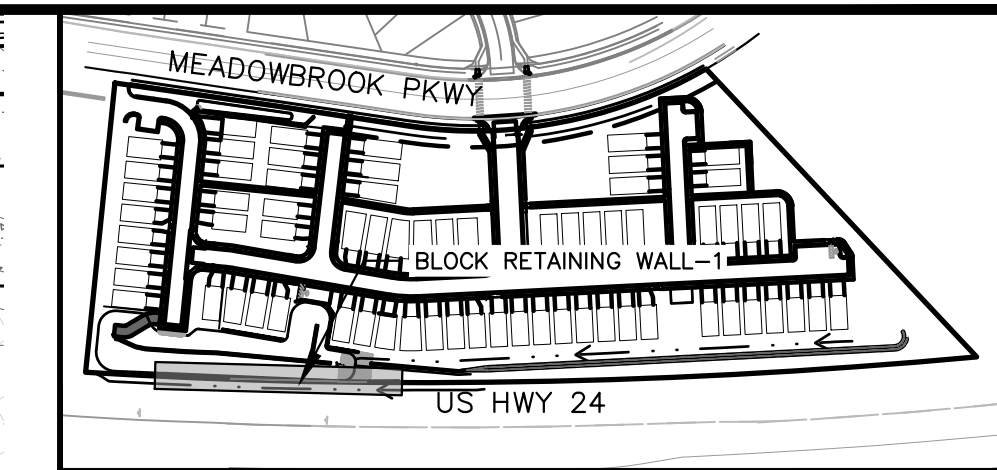
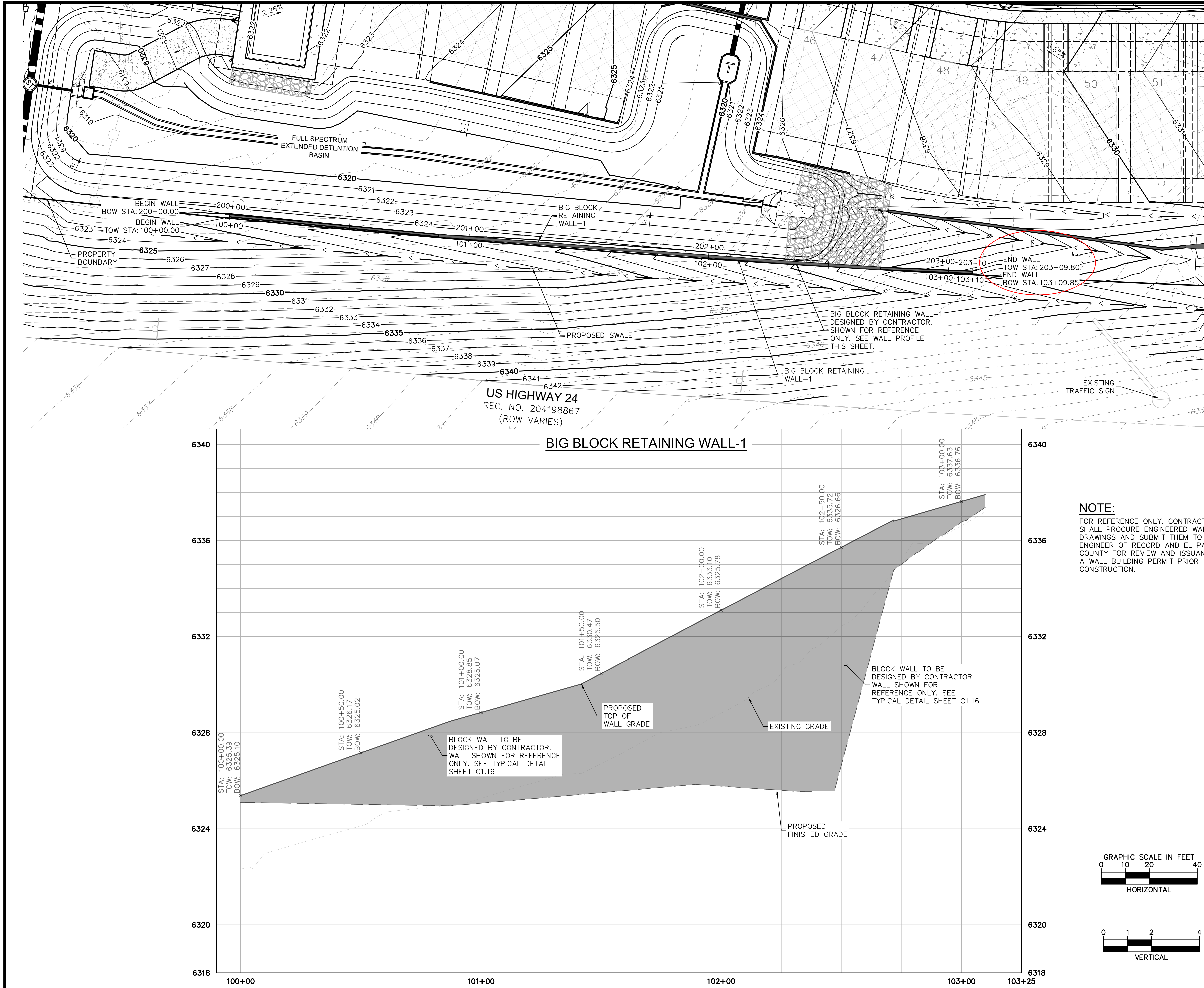
**MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
DETAILED GRADING PLAN**

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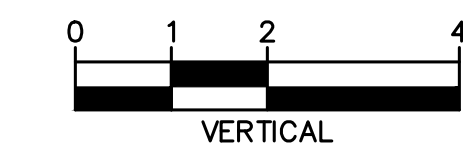
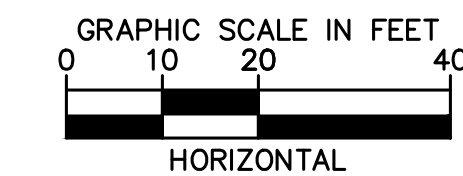
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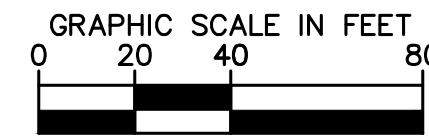
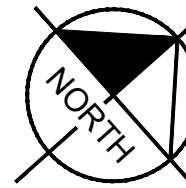
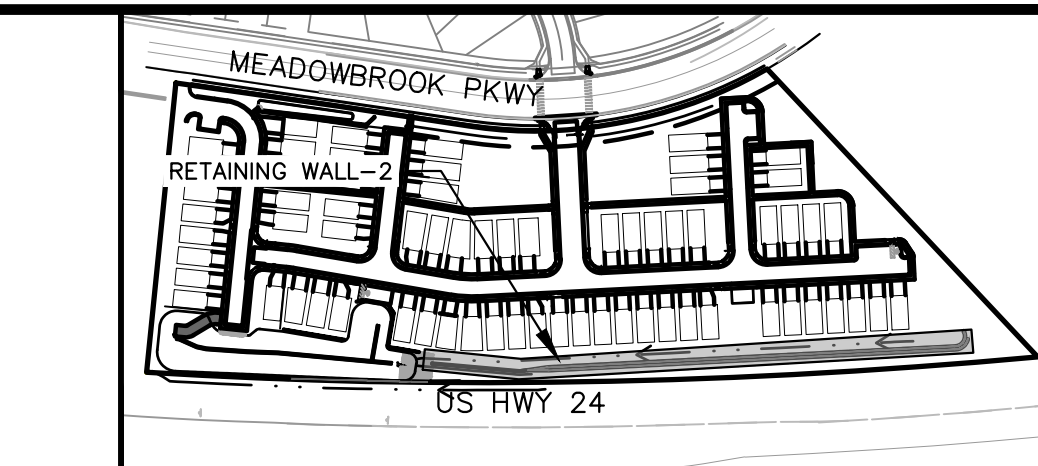
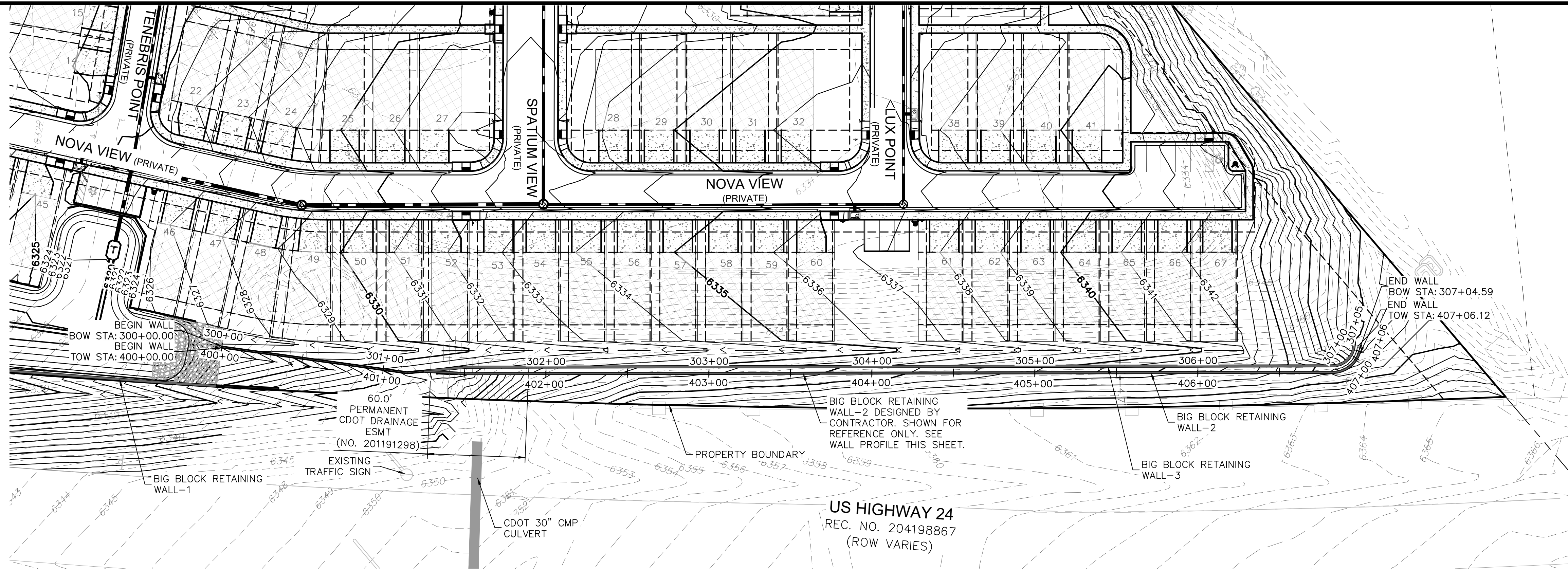


NOTE:
FOR REFERENCE ONLY. CONTRACTOR SHALL PROCURE ENGINEERED WALL DRAWINGS AND SUBMIT THEM TO THE ENGINEER OF RECORD AND EL PASO COUNTY FOR REVIEW AND ISSUANCE OF A WALL BUILDING PERMIT PRIOR TO CONSTRUCTION.

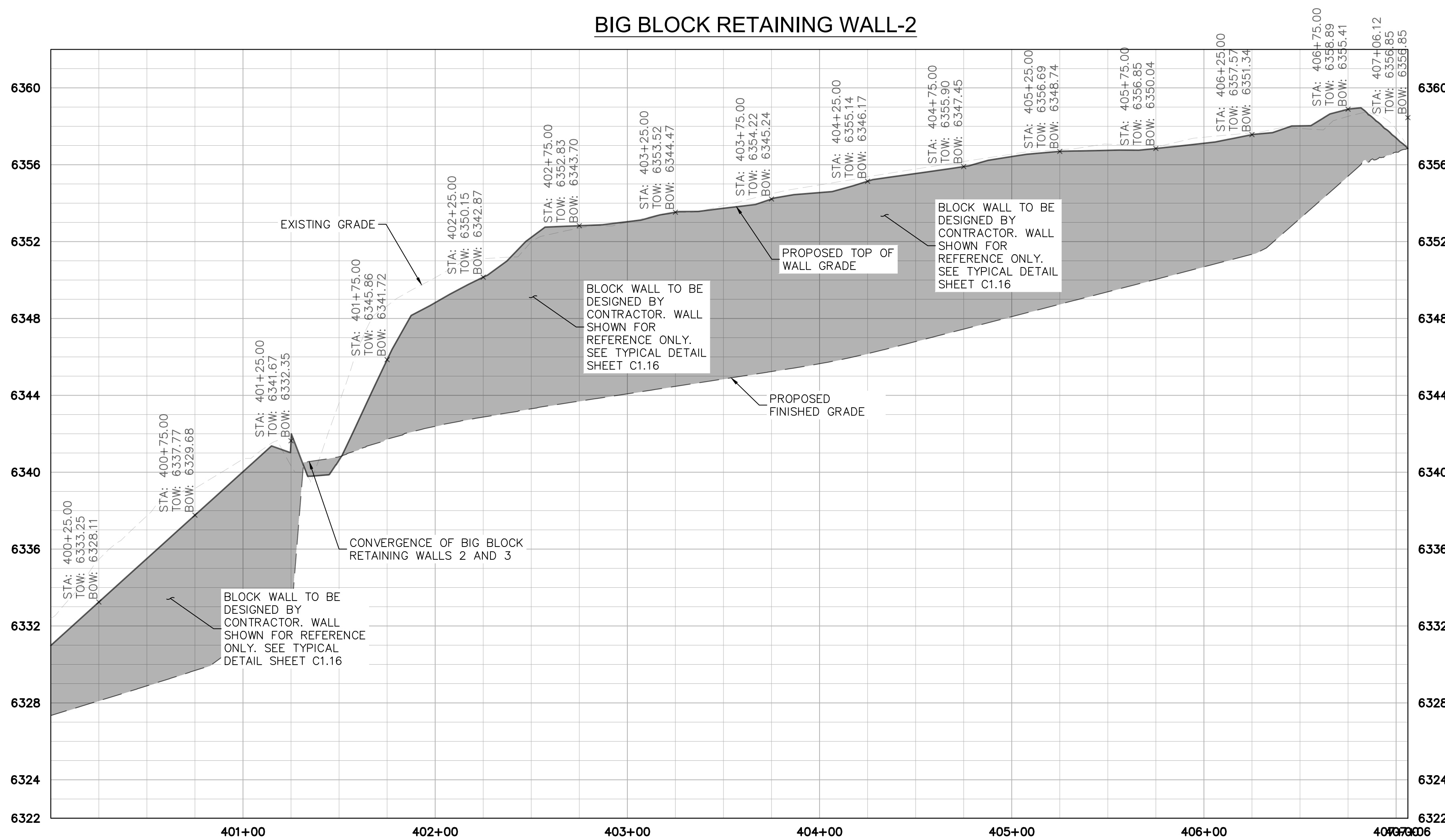


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DATE: 06/07/2021	DATE
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PROJECT NO. 096956009	
SHEET	
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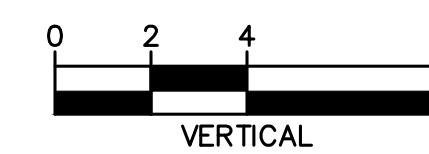
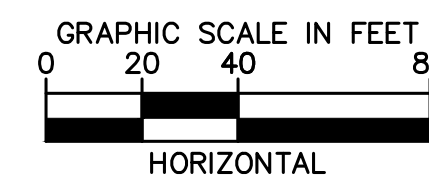


BIG BLOCK RETAINING WALL-2



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CONSTRUCTION DOCUMENTS
RETAINING WALL PLANS

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PROJECT NO.
096956009

SHEET

C1.17

NO.

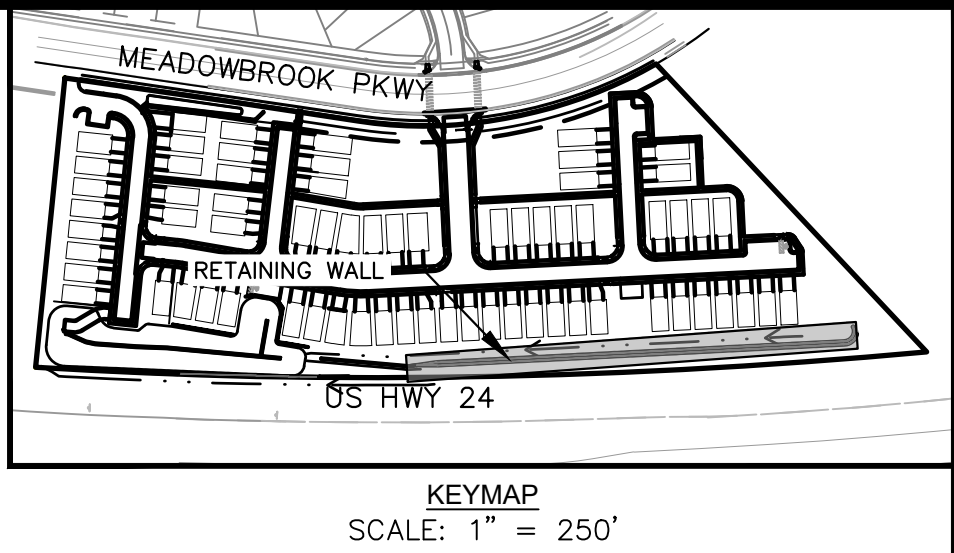
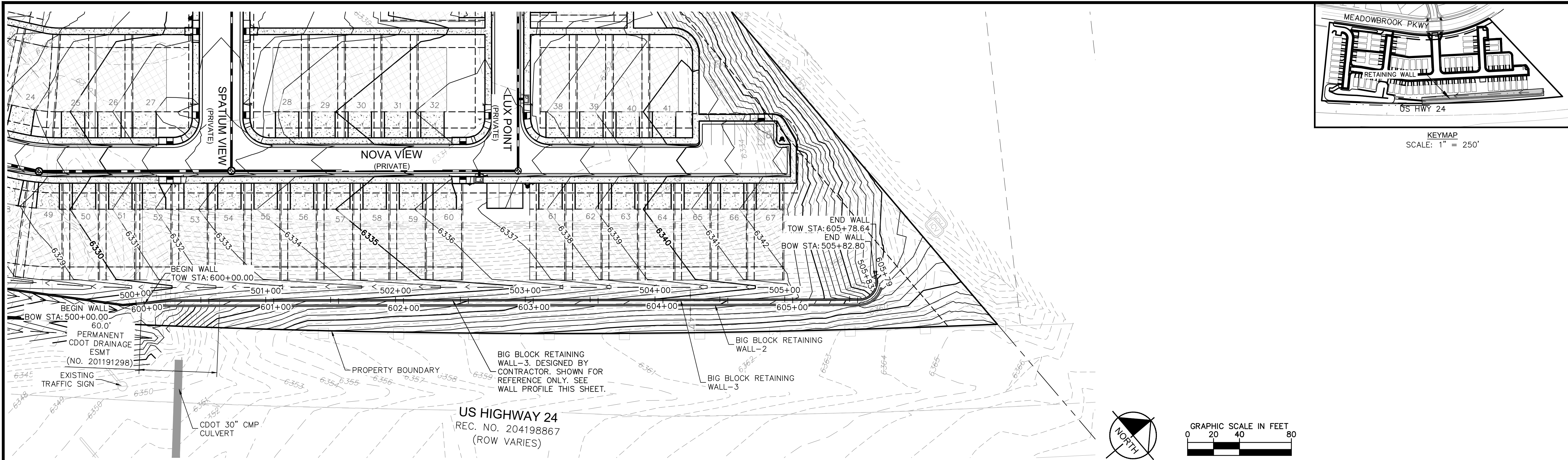
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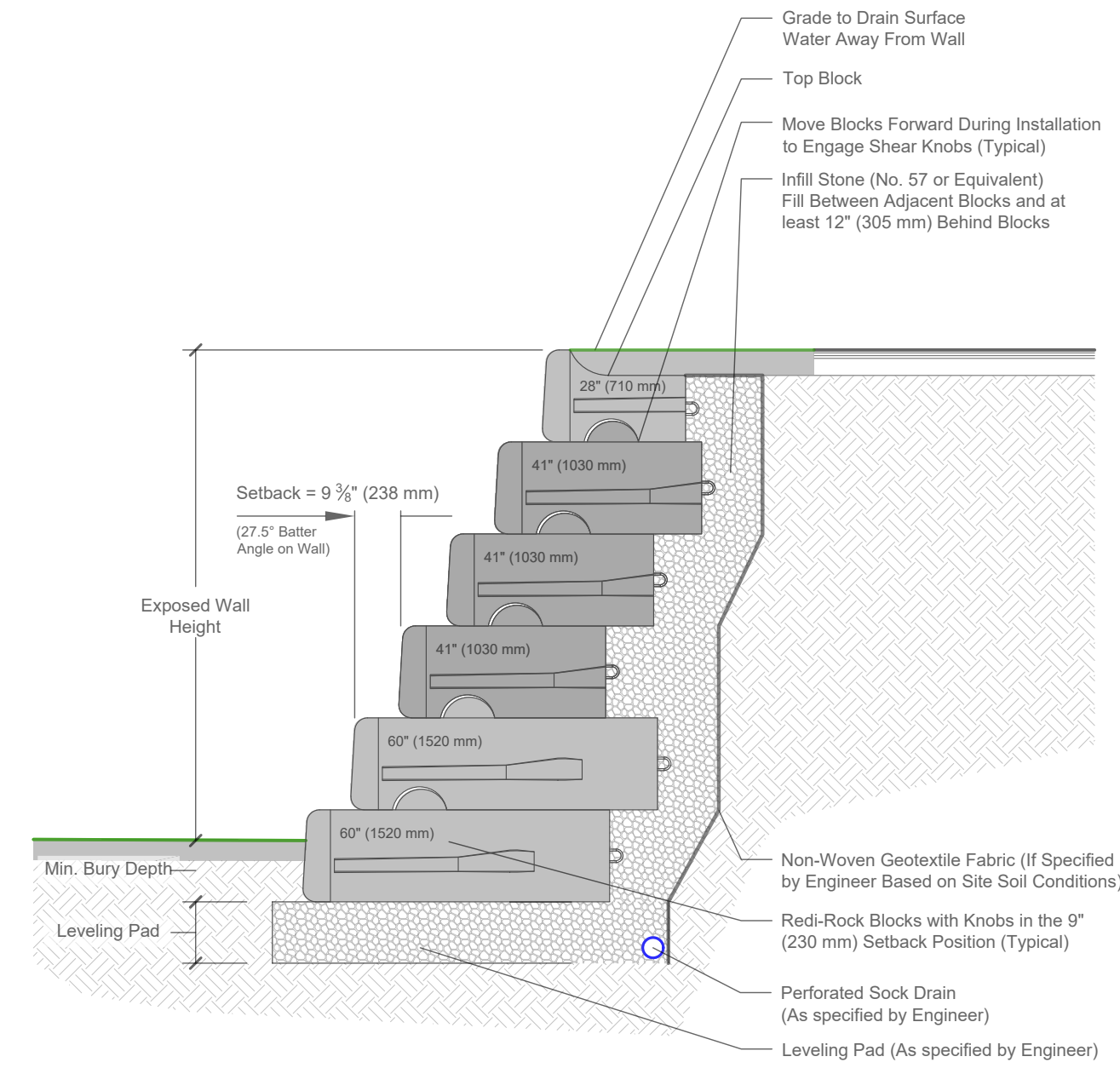
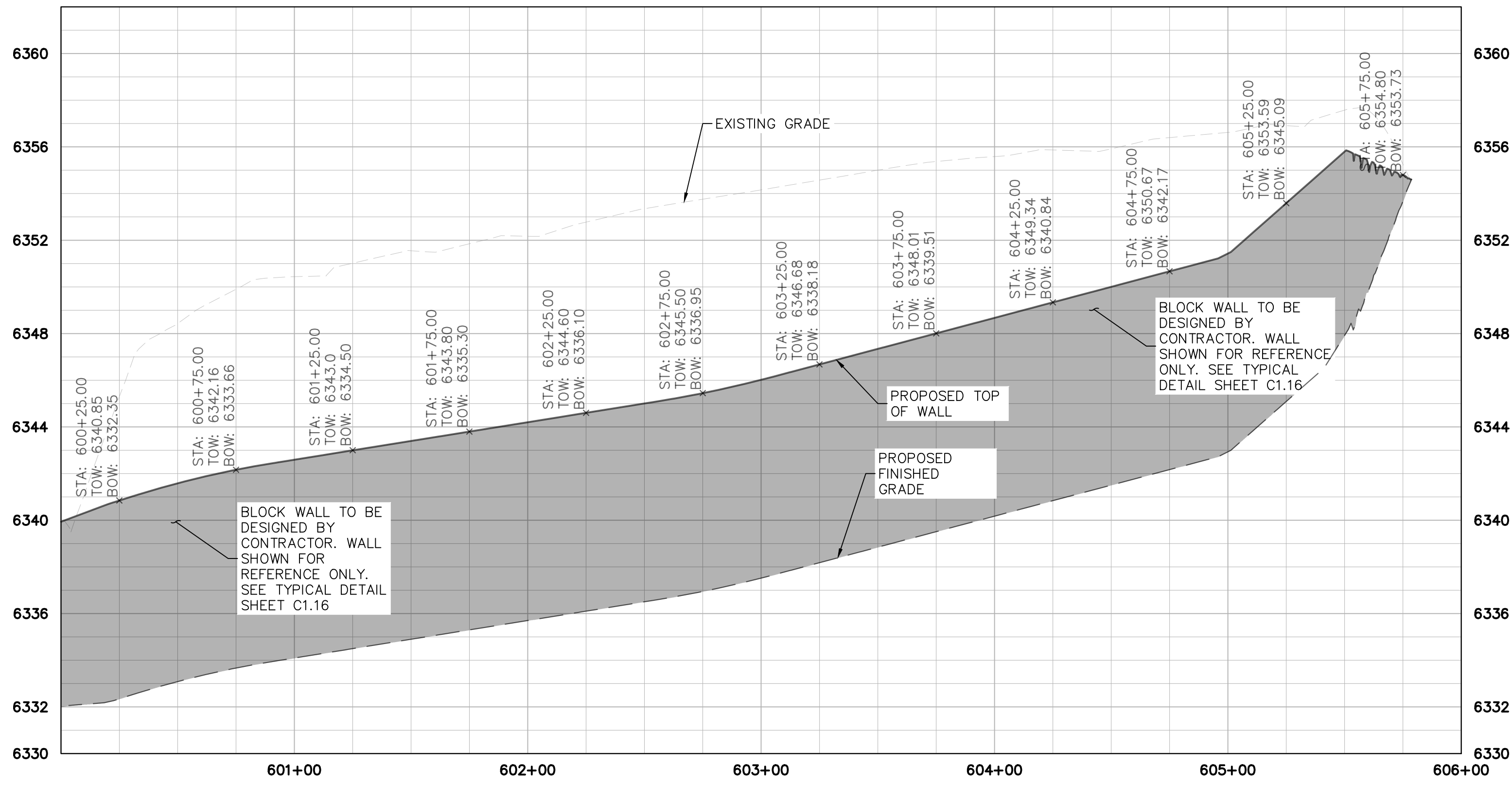
DATE

APPR.

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BIG BLOCK RETAINING WALL-3



This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site. Final wall design must address both internal and external drainage and all modes of wall stability.

BIG BLOCK RETAINING WALL TYP. SCHEMATIC

NOTE: FOR REFERENCE ONLY. CONTRACTOR SHALL PROCURE ENGINEERED WALL DRAWINGS AND SUBMIT THEM TO THE ENGINEER OF RECORD AND EL PASO COUNTY FOR REVIEW AND ISSUANCE OF A WALL BUILDING PERMIT PRIOR TO CONSTRUCTION.

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Colorado Springs, Colorado 80903 (719) 453-0180

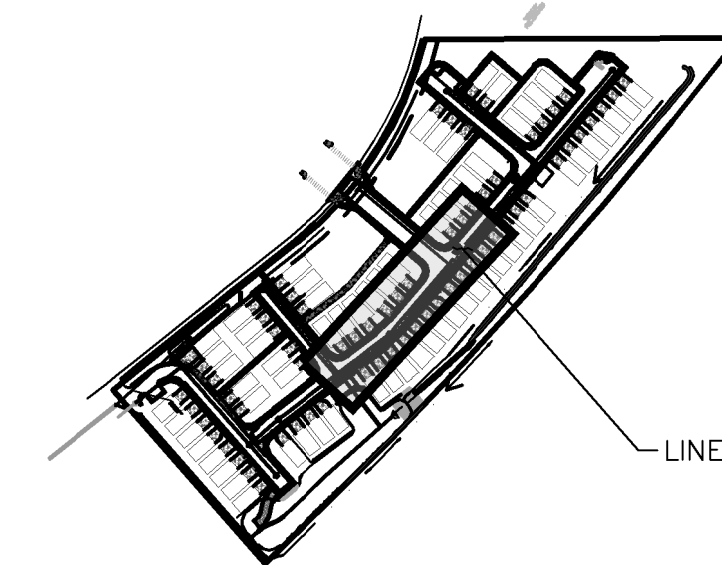
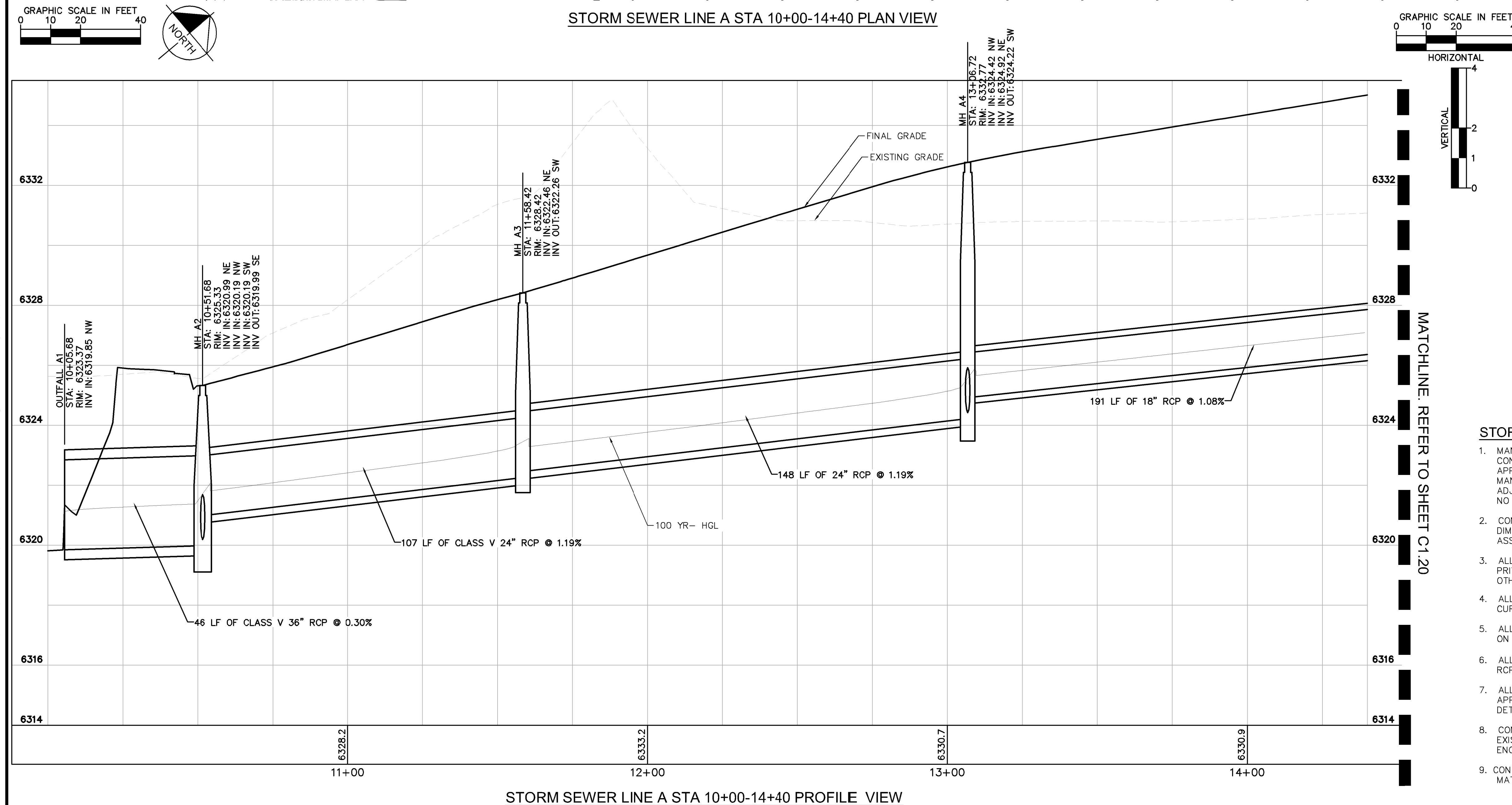
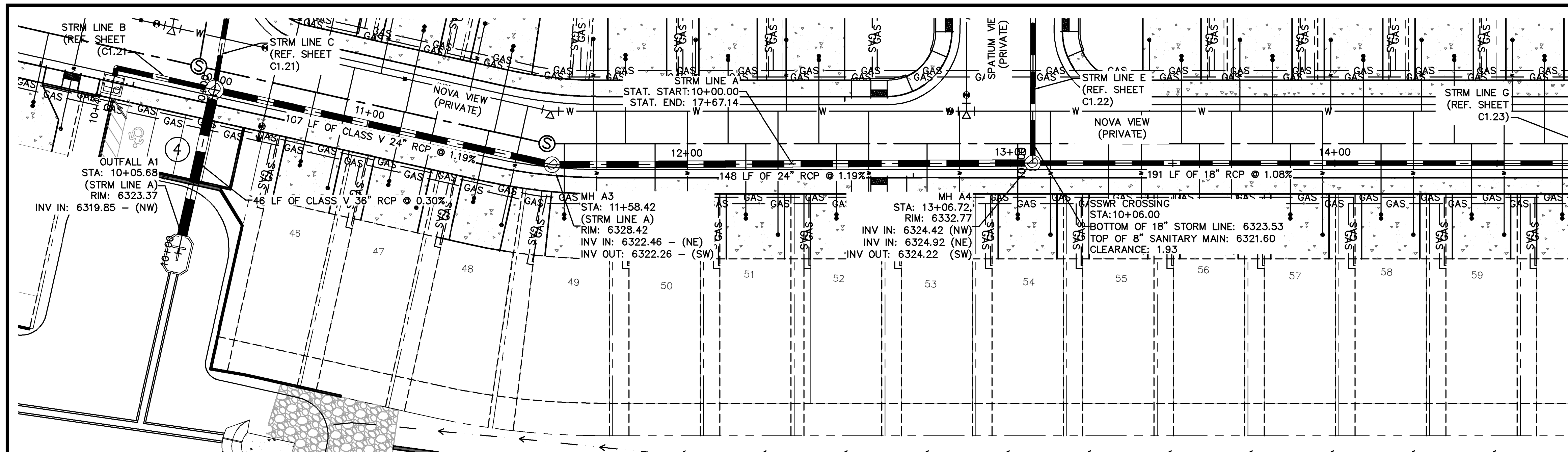
DESIGNED BY: KK
DRAWN BY: KK
CHECKED BY: JH
DATE: 06/07/2021




















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EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
RETAINING WALL PLANS

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Kimley-Horn and Associates, Inc.

PROJECT NO.
096956009

SHEET
C1.18



- | <div> <div>LEGEND:</div> <div> <div>KEY MAP</div> <div>NOT TO SCALE</div> </div> </div> | |
|---|---|
|  | PROPERTY LINE |
|  | EXISTING EASEMENT LINE |
|  | PROPOSED EASEMENT LINE |
|  | EXISTING STORM SEWER |
|  | PROPOSED STORM SEWER |
|  | EXISTING WATER LINE |
|  | PROPOSED WATER LINE |
|  | EXISTING FIRE HYDRANT |
|  | PROPOSED FIRE HYDRANT AND BOLLARD ASSEMBLY PER COA STD DETAIL 208 |
|  | PROPOSED FIRE DEPARTMENT CONNECTION W/ APPROVED KNOX HARDWARE |
|  | EXISTING SANITARY SEWER |
|  | PROPOSED SANITARY SEWER |
|  | SANITARY SEWER MANHOLE |
|  | PROPOSED STORM MANHOLE |
|  | EXISTING STORM MANHOLE |
|  | PROPOSED CURB INLET |
|  | EXISTING CURB INLET |
|  | PROPOSED GRATE INLET |
|  | PROPOSED LANDSCAPE DRAIN |
| DAE | DRAINAGE ACCESS EASEMENT |
| TOC | TOP OF CURB |

- STORM SEWER NOTES:

1. MANHOLE RIM ELEVATIONS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL INSTALL MANHOLES IN ACCORDANCE WITH APPLICABLE DETAILS BASED UPON FINAL FINISH GRADING AT MANHOLE LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTMENTS TO ACCOMMODATE DEVIATIONS IN SITE GRADING AT NO COST TO THE OWNER.
2. CONTRACTOR SHALL MODIFY STANDARD INLET STRUCTURE DIMENSIONS AND STRUCTURAL COMPONENTS TO ACCOMMODATE ASSOCIATED ENTRY AND OUTLET PIPES.
3. ALL STORM SEWER MAINS PIPE, INLETS AND MANHOLES ARE PRIVATELY OWNED AND MAINTAINED BY THE METRO DISTRICT OTHERWISE NOTED ON THE PLANS.
4. ALL CURB INLET STATIONS ARE BASED ON THE MIDPOINT OF THE CURB INLET AT THE FLOWLINE.
5. ALL CURB INLET TOC ELEVATIONS AND STATIONING ARE BASED ON THE MIDPOINT OF THE CURB INLET AT FLOWLINE.
6. ALL STORM SEWER PIPE 12" AND GREATER SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED.
7. ALL PRIVATE LANDSCAPE DRAINS SHALL BE NYOPLAST TYPE OR APPROVED EQUIVALENT. RE: UTILITY DETAILS FOR NYOPLAST DETAILED DRAWINGS.
8. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING STORM SEWER AT ALL CONNECTION POINTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
9. CONTRACTOR TO MODIFY EXISTING MANHOLE RIM ELEVATIONS TO MATCH PROPOSED FINISH GRADE AS NECESSARY.

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2020 KIMLEY-HORN AND ASSOCIATES, INC.

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DRAWN BY: KK
CHECKED BY: JH
DATE: 10/09/2020

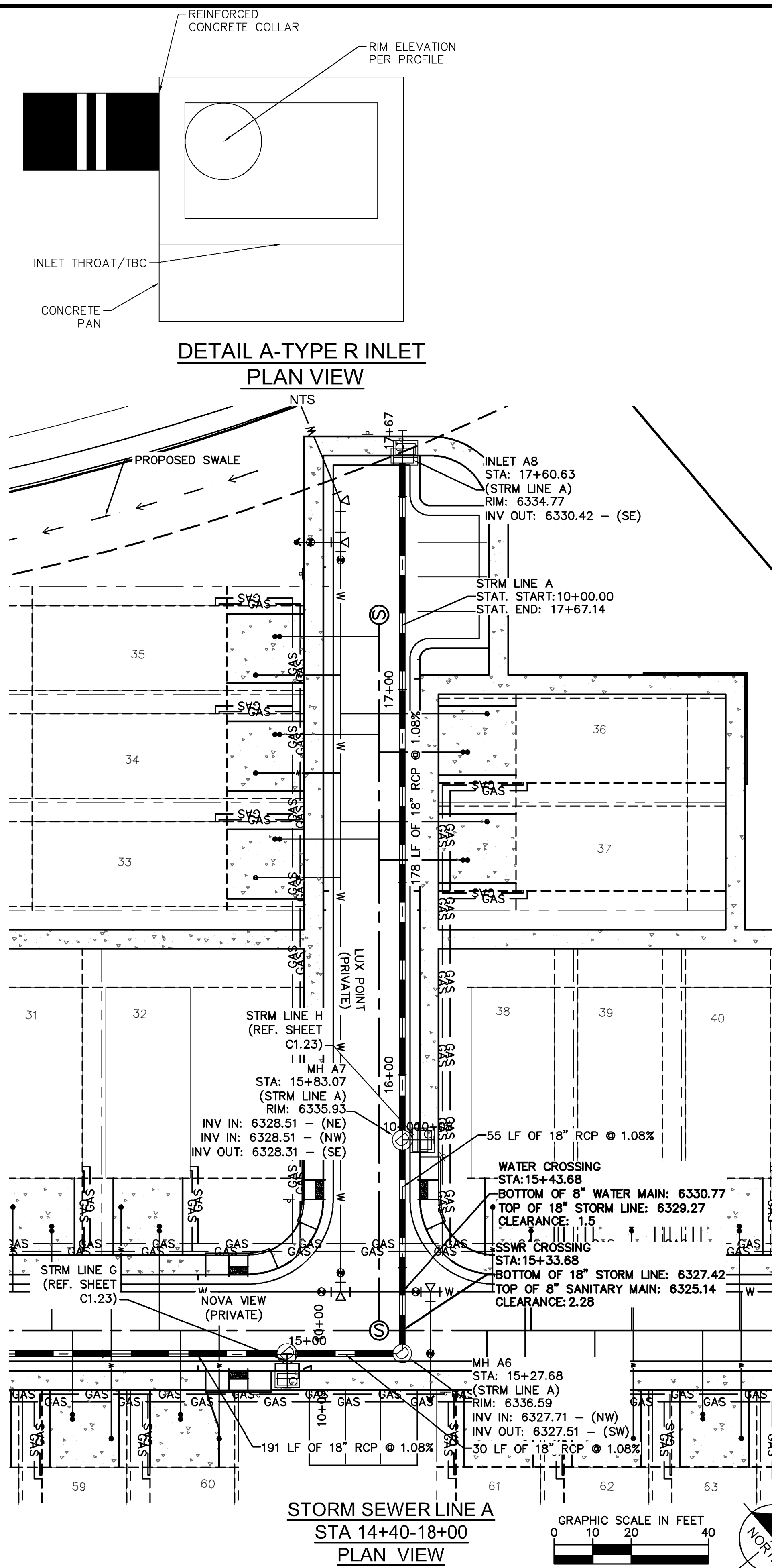
MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
UTILITY AND WATER SERVICE PLANS
STORM SEWER PLAN & PROFILES-LINE A

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NOT FOR
CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO
096956009

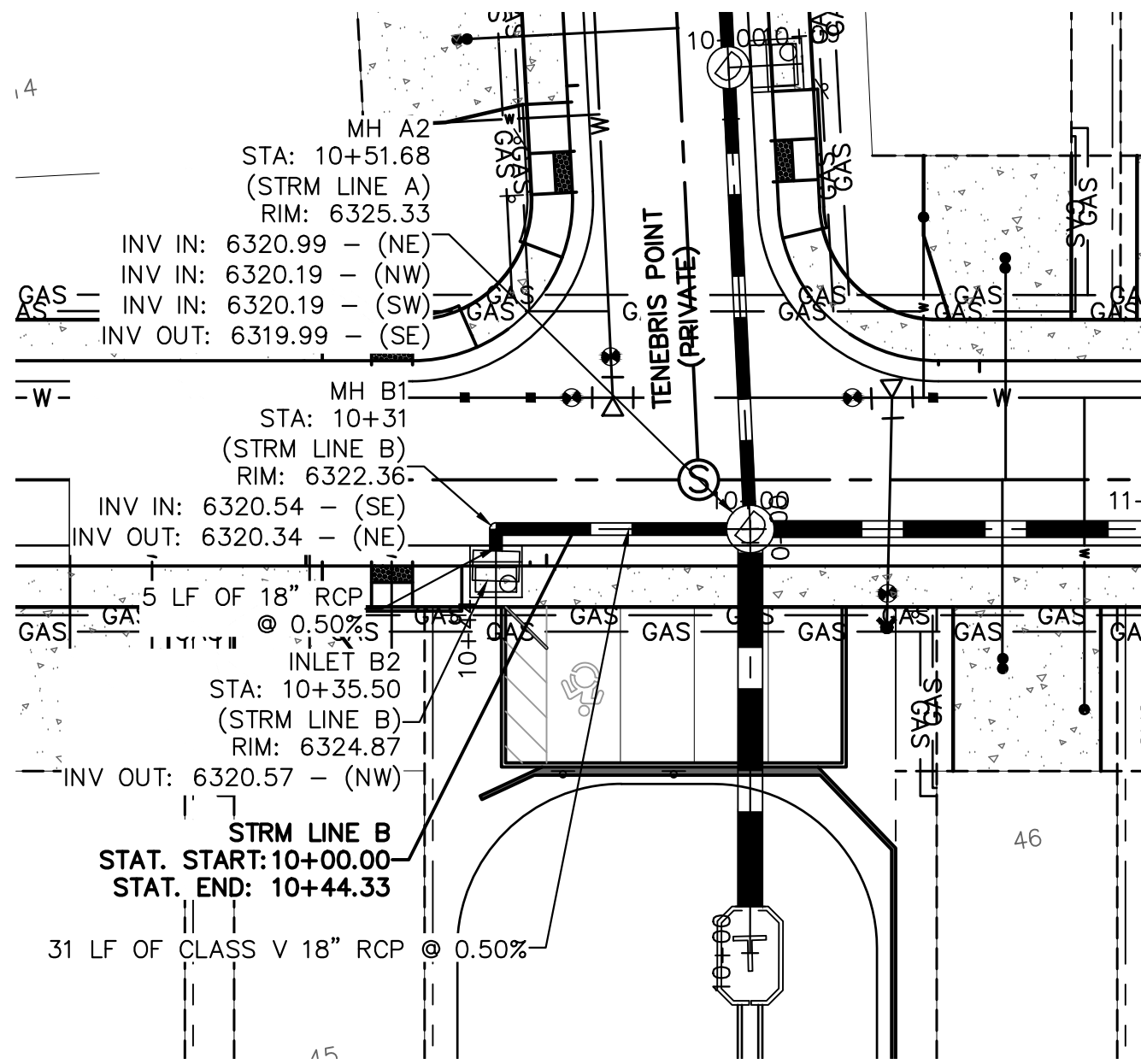
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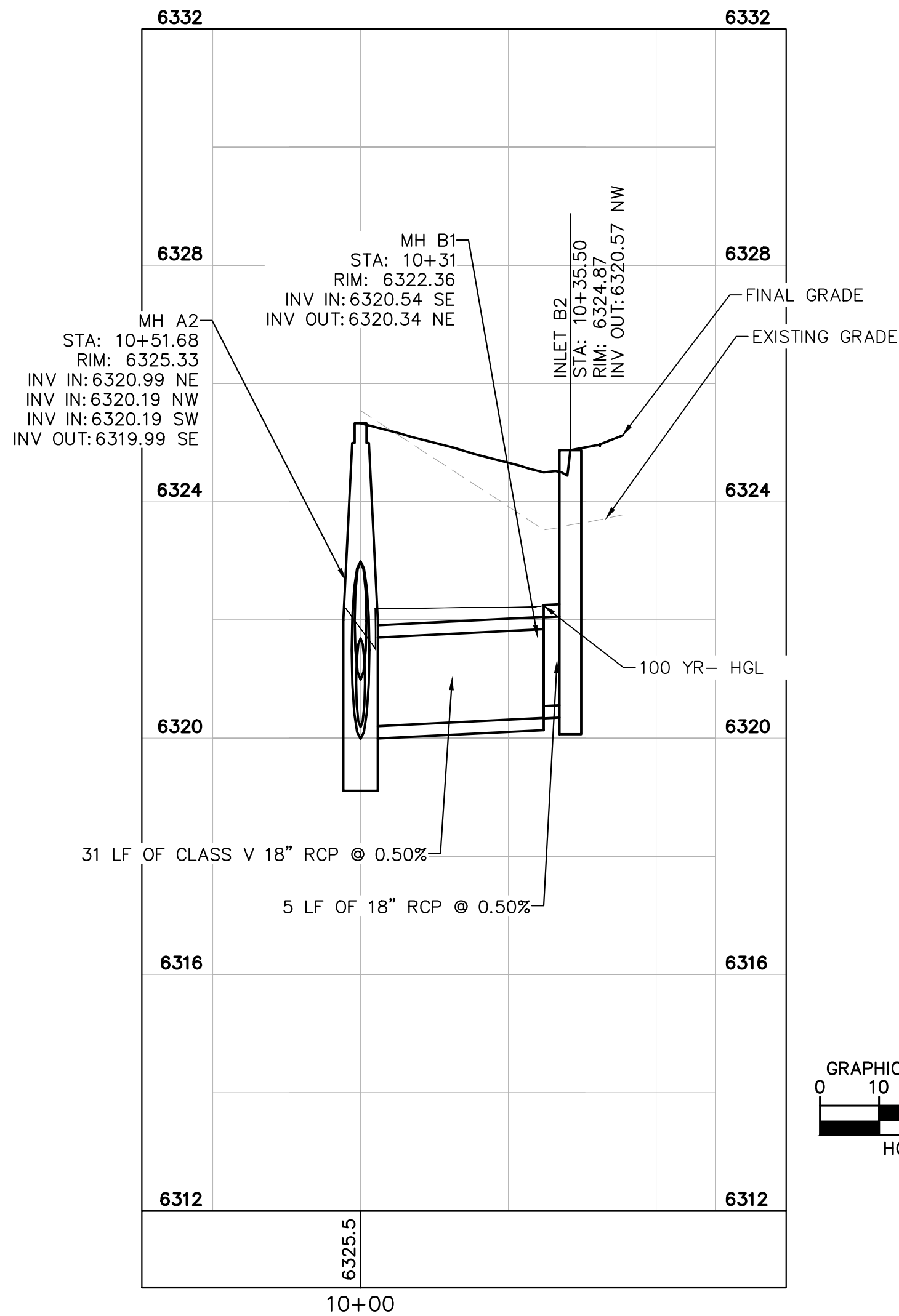


PROJECT NO. 096956009
SHEET C1.20

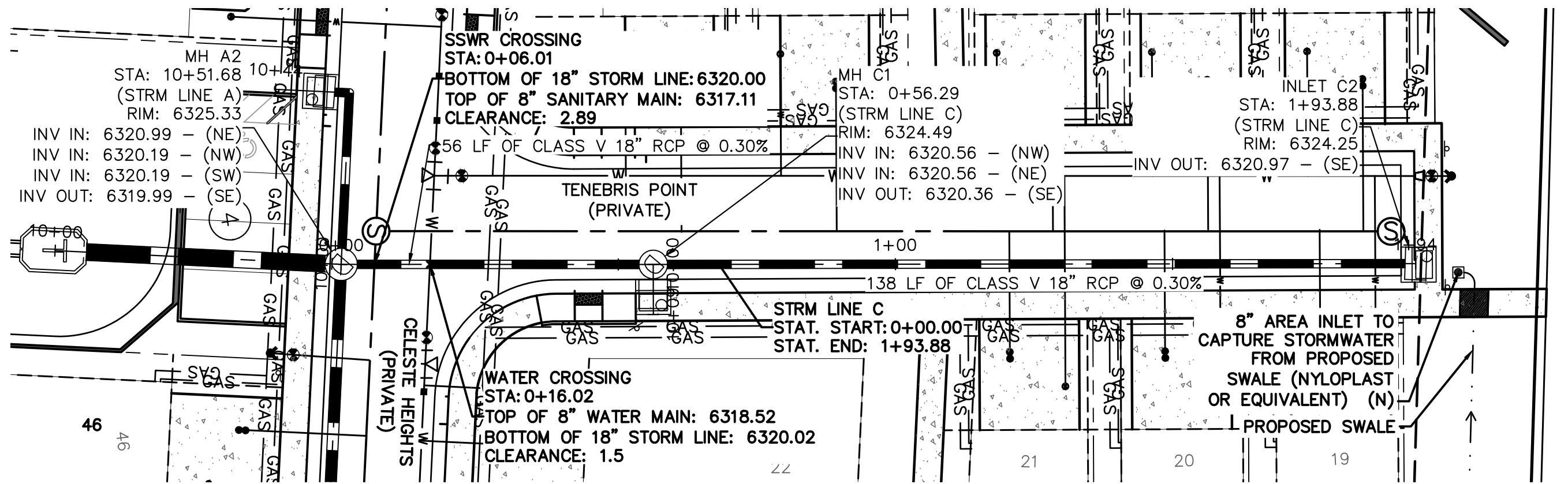
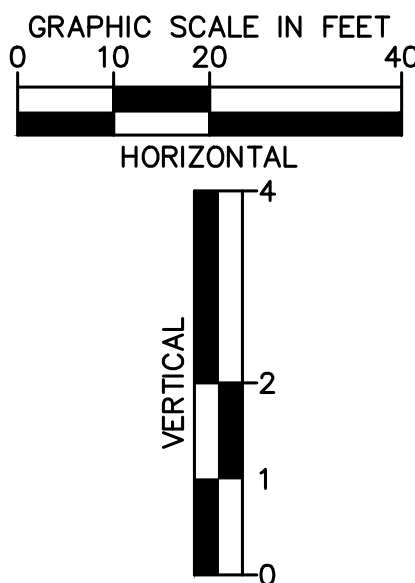
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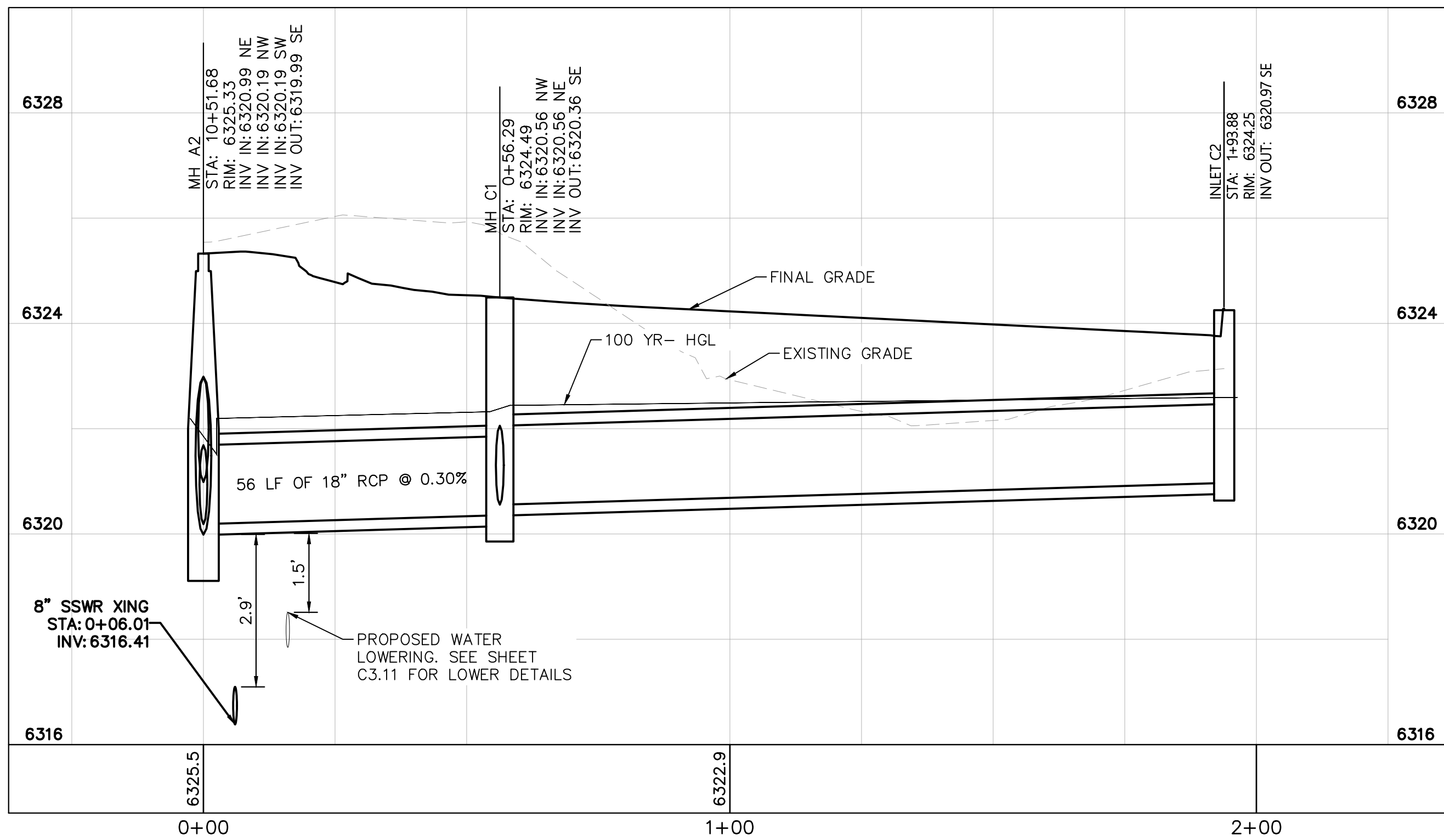
STORM SEWER LINE B
PLAN VIEW



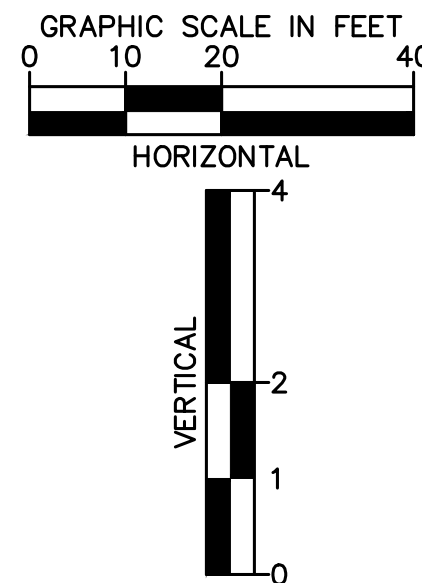
STORM SEWER LINE B
PROFILE VIEW



STORM SEWER LINE C PLAN VIEW



STORM SEWER LINE C PROFILE VIEW

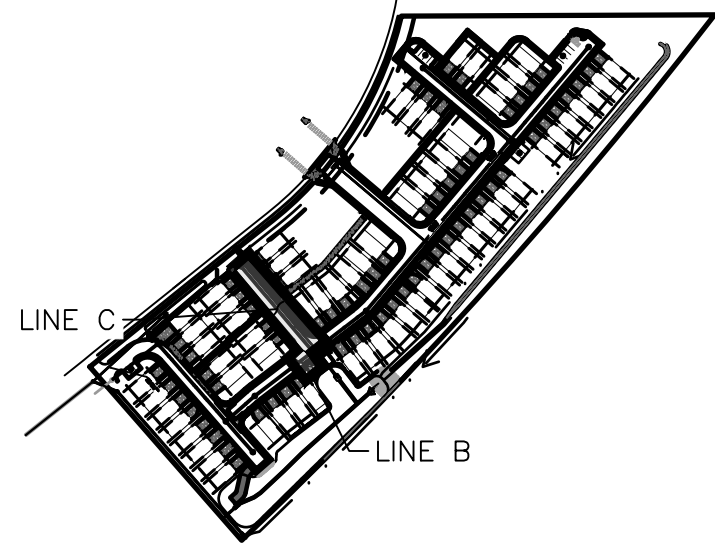


LEGEND:

- PROPERTY LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT AND BOLLARD ASSEMBLY PER COA STD DETAIL 208
- PROPOSED FIRE DEPARTMENT CONNECTION W/ APPROVED KNOX HARDWARE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED CURB INLET
- EXISTING CURB INLET
- PROPOSED GRATE INLET
- PROPOSED LANDSCAPE DRAIN
- DAE DRAINAGE ACCESS EASEMENT
- TOC TOP OF CURB

STORM SEWER NOTES:

- MANHOLE RIM ELEVATIONS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL INSTALL MANHOLES IN ACCORDANCE WITH APPLICABLE DETAILS BASED UPON FINAL FINISH GRADING AT MANHOLE LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTMENTS TO ACCOMMODATE DEVIATIONS IN SITE GRADING AT NO COST TO THE OWNER.
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- CONTRACTOR TO MODIFY EXISTING MANHOLE RIM ELEVATIONS TO MATCH PROPOSED FINISH GRADE AS NECESSARY.



KEY MAP
NOT TO SCALE

Kimley»Horn

2020 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 300
Colorado Springs, Colorado 80903 (719) 453-0180

MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
UTILITY AND WATER SERVICE PLANS
STORM SEWER PLAN & PROFILES-LINE B&C

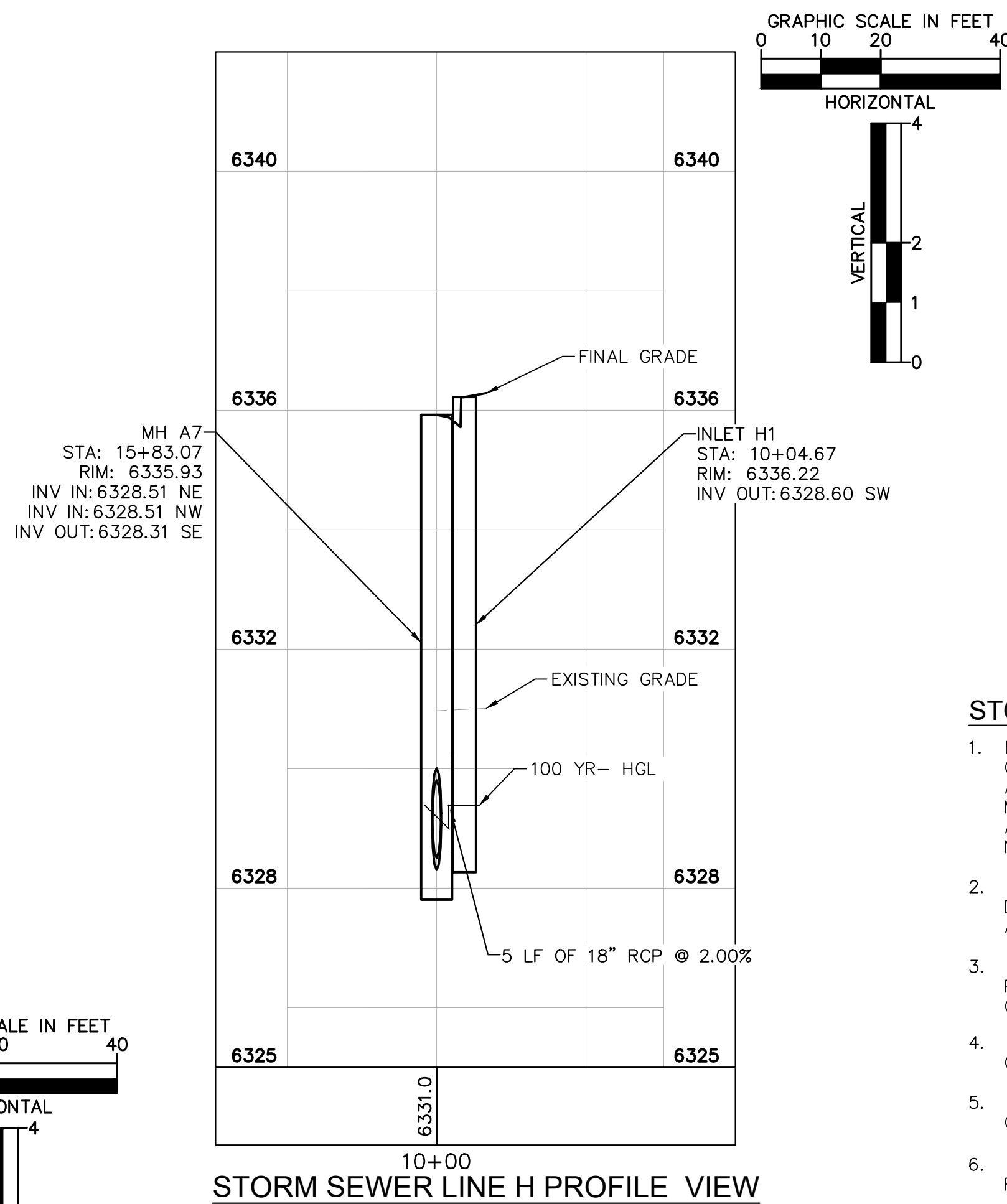
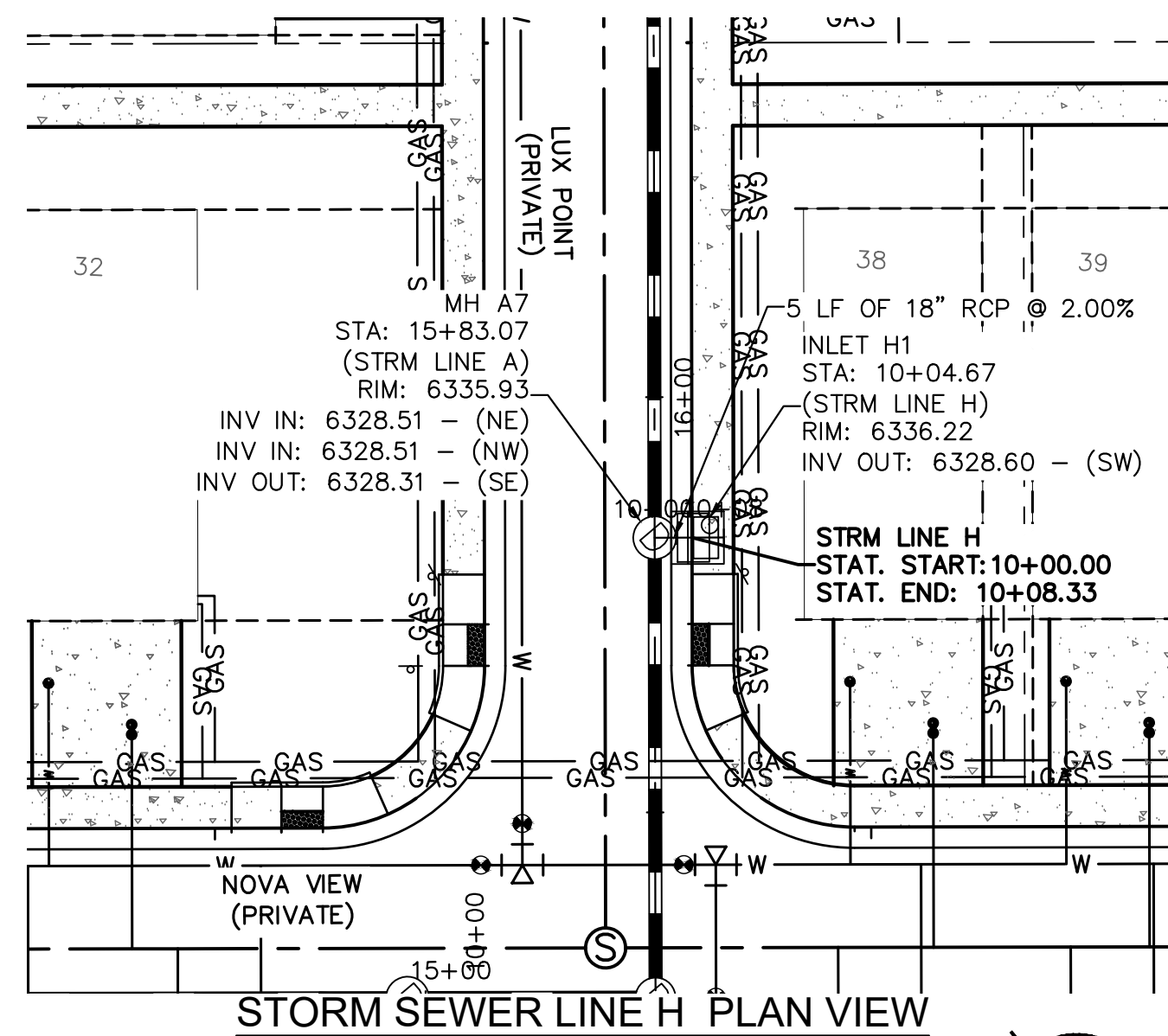
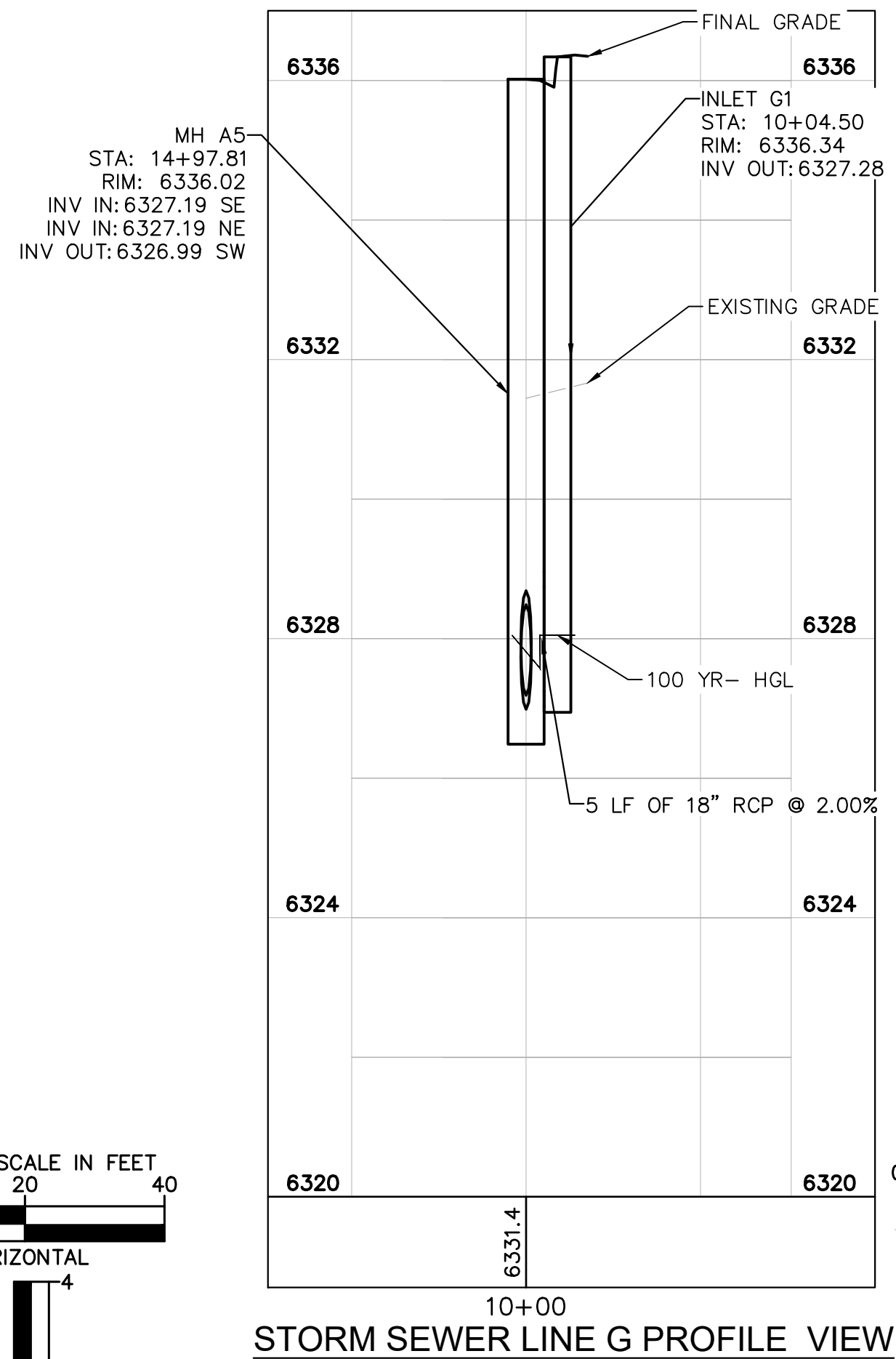
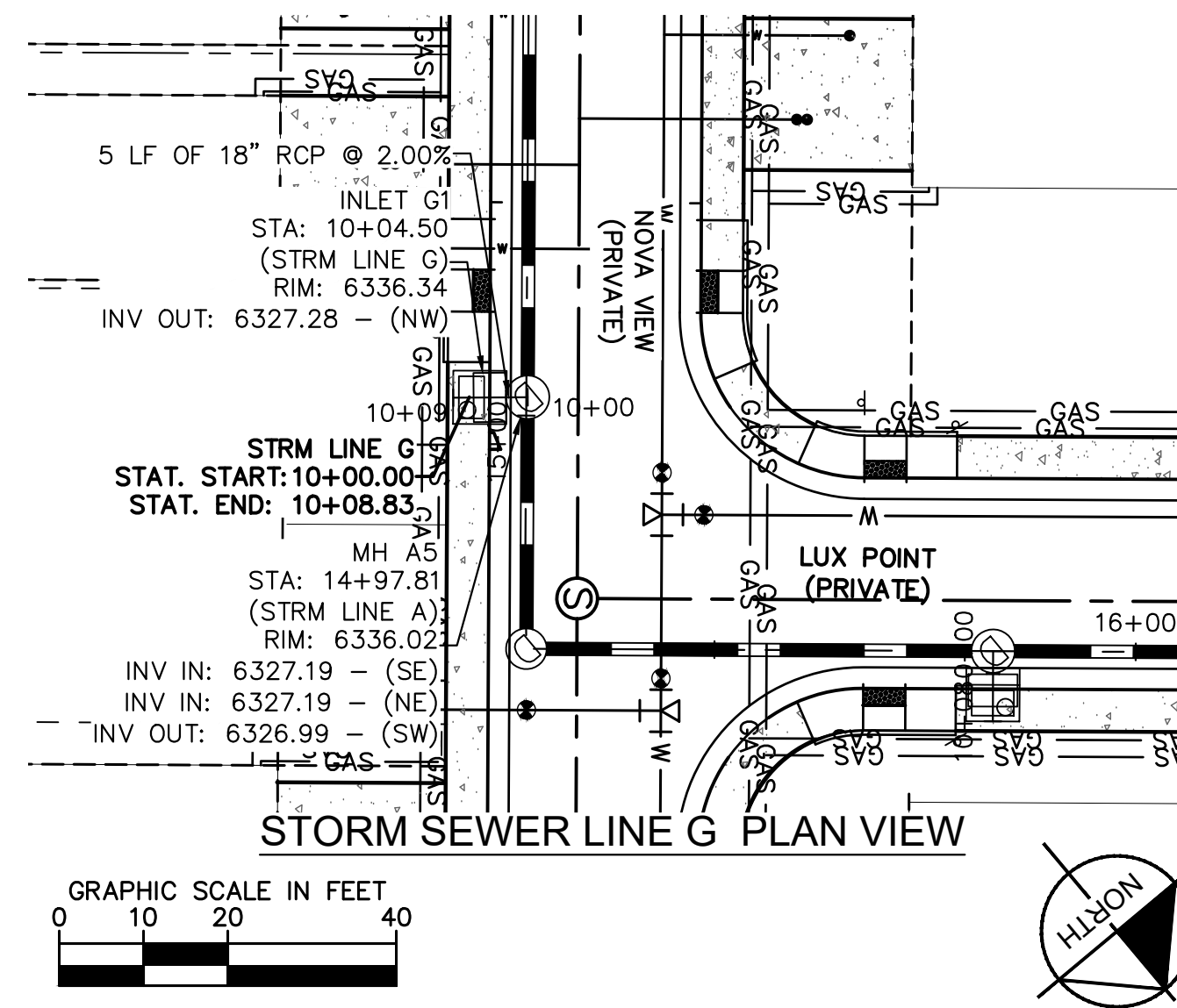
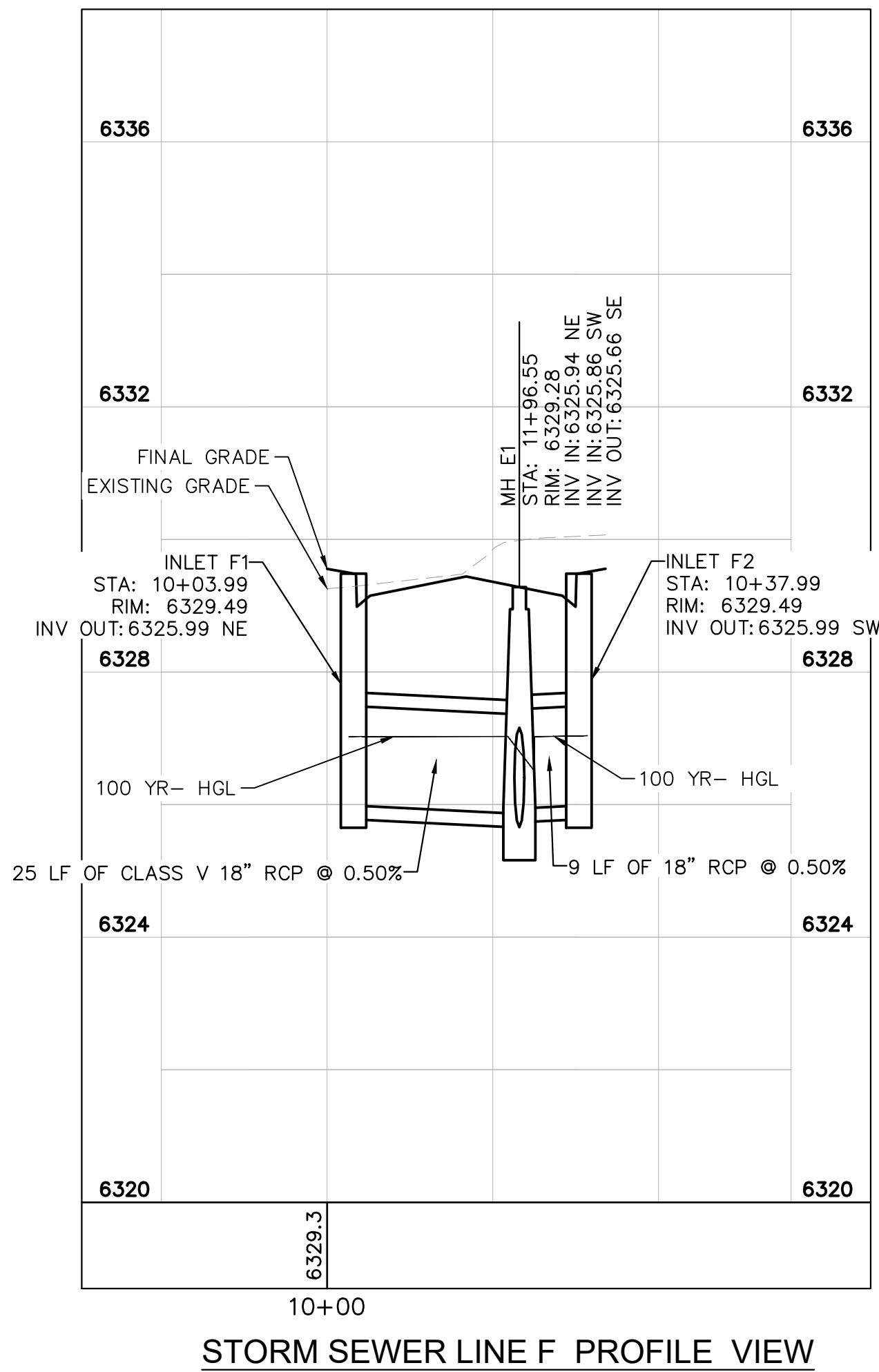
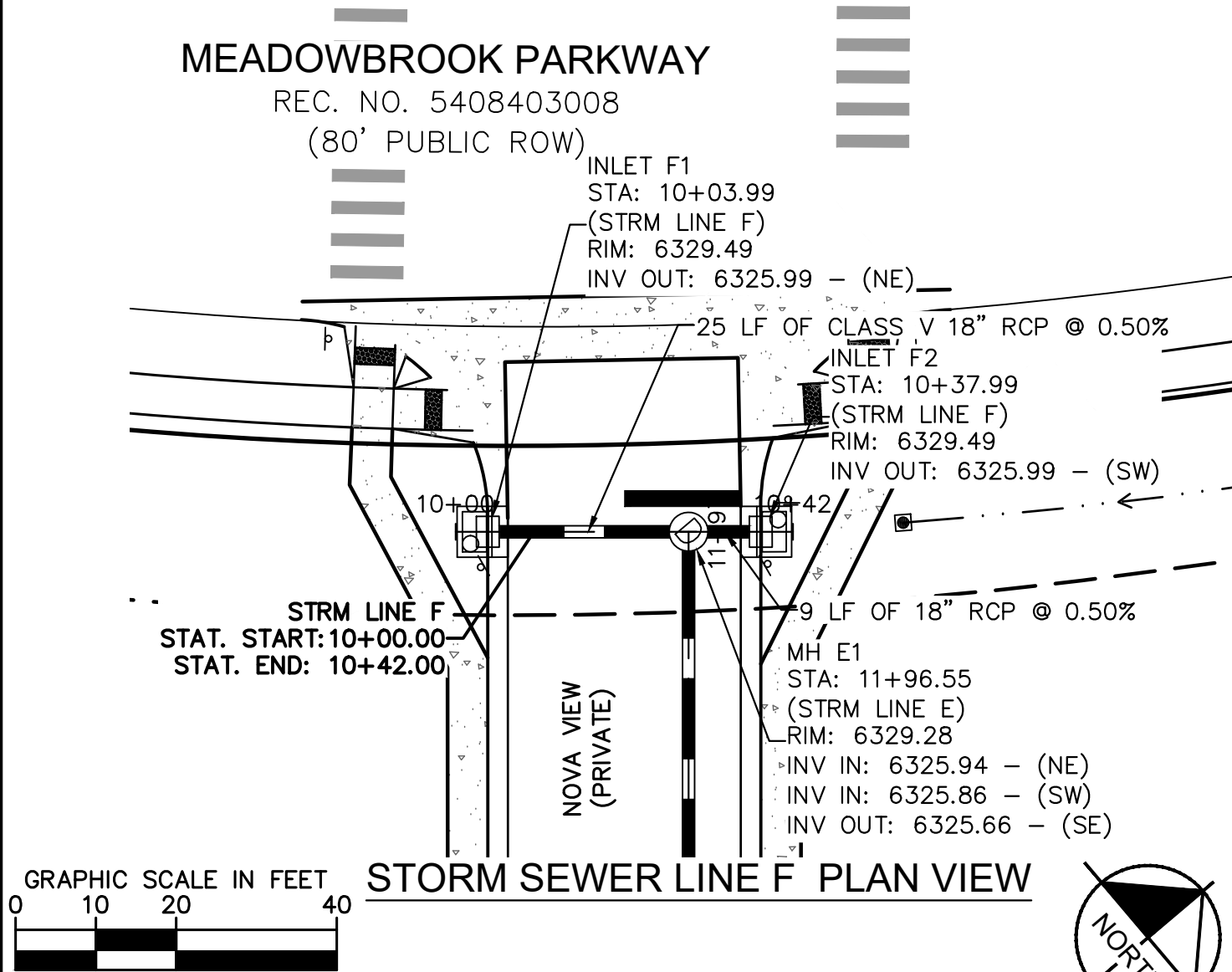
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Kimley-Horn and Associates, Inc.

PROJECT NO.
096956009

SHEET

C1.21

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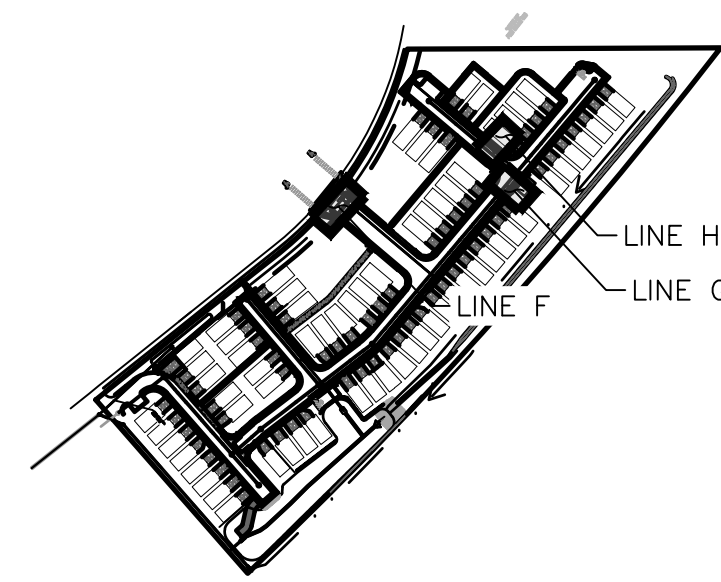


LEGEND:

- PROPERTY LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
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- PROPOSED FIRE HYDRANT AND BOLLARD ASSEMBLY PER COA STD DETAIL 208
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- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED CURB INLET
- EXISTING CURB INLET
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- PROPOSED LANDSCAPE DRAIN
- DAE DRAINAGE ACCESS EASEMENT
- TOC TOP OF CURB

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KEY MAP
NOT TO SCALE

Kimley»Horn

2020 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 300
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: KK
DRAWN BY: KK
CHECKED BY: JH
DATE: 10/09/2020

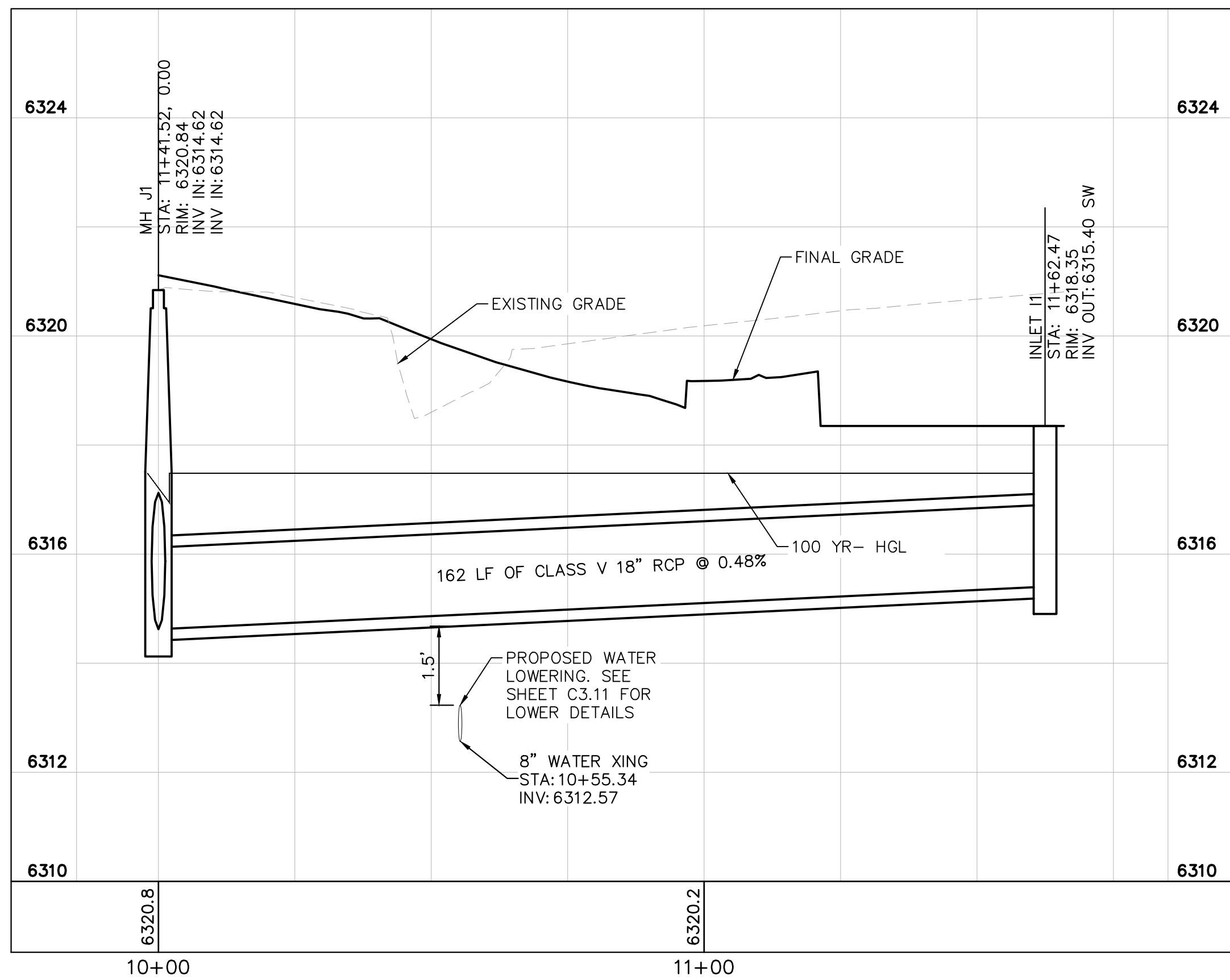
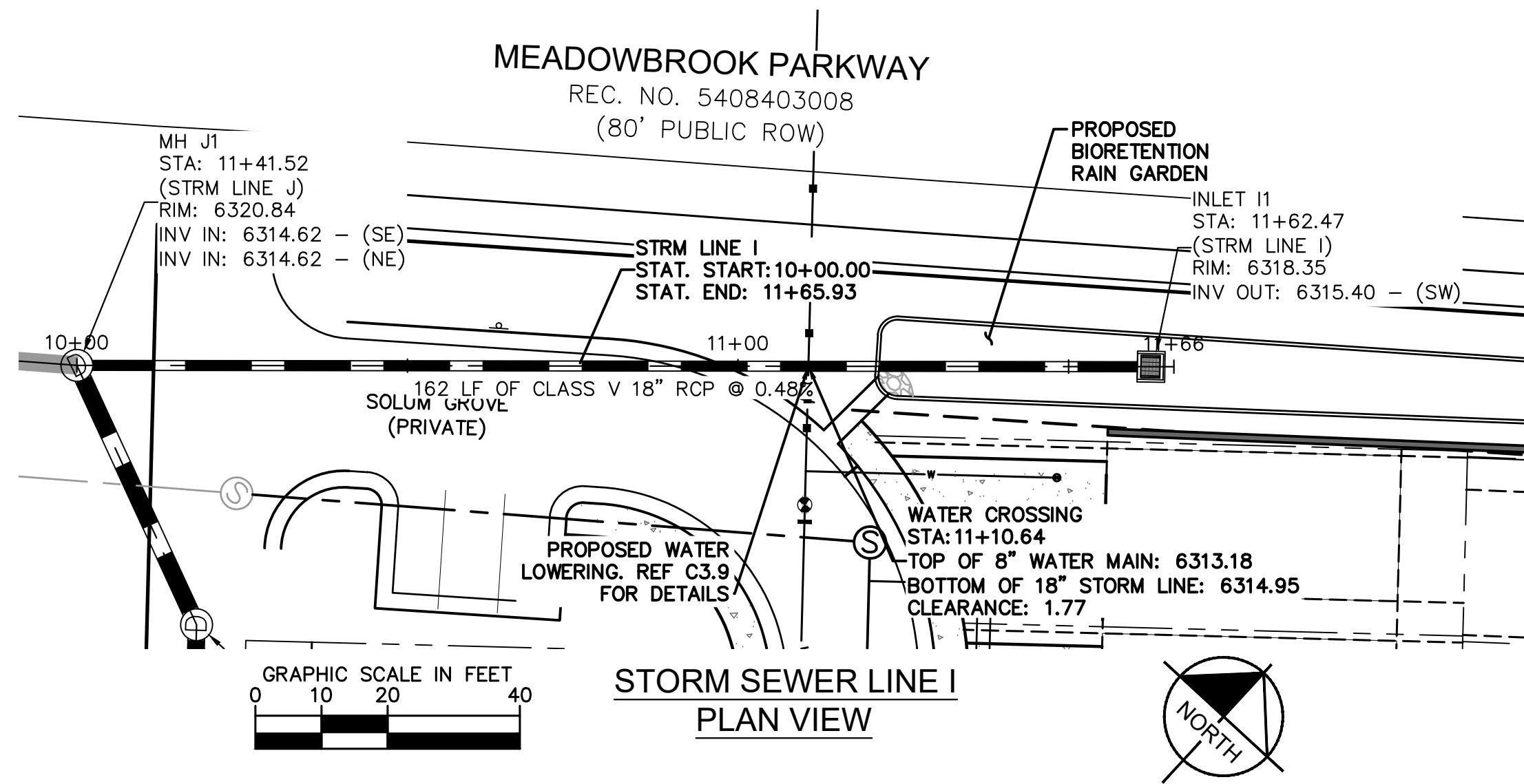
MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
UTILITY AND WATER SERVICE PLANS
STORM SEWER PLAN & PROFILES- LINES F,G,H

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Kimley-Horn and Associates, Inc.

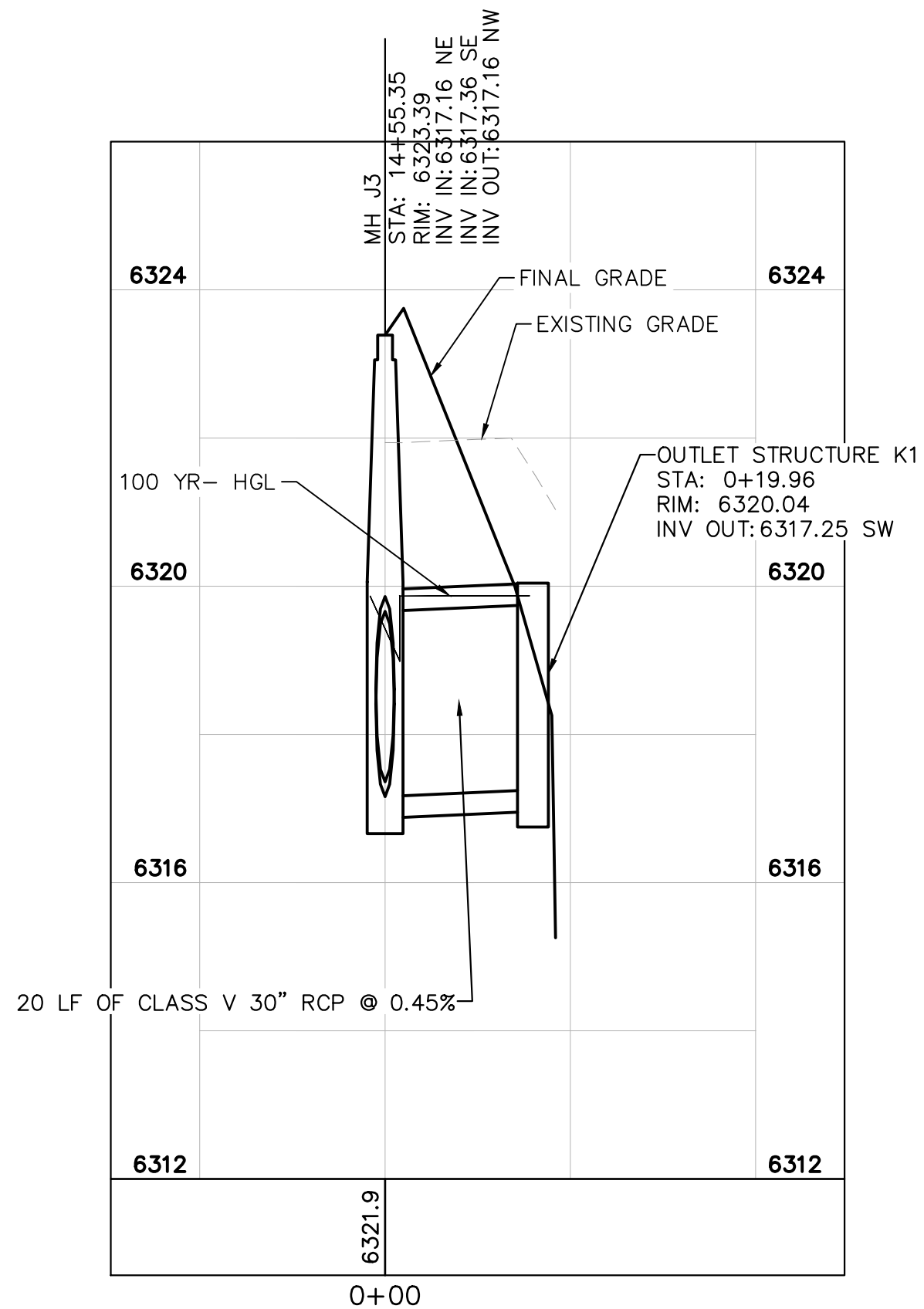
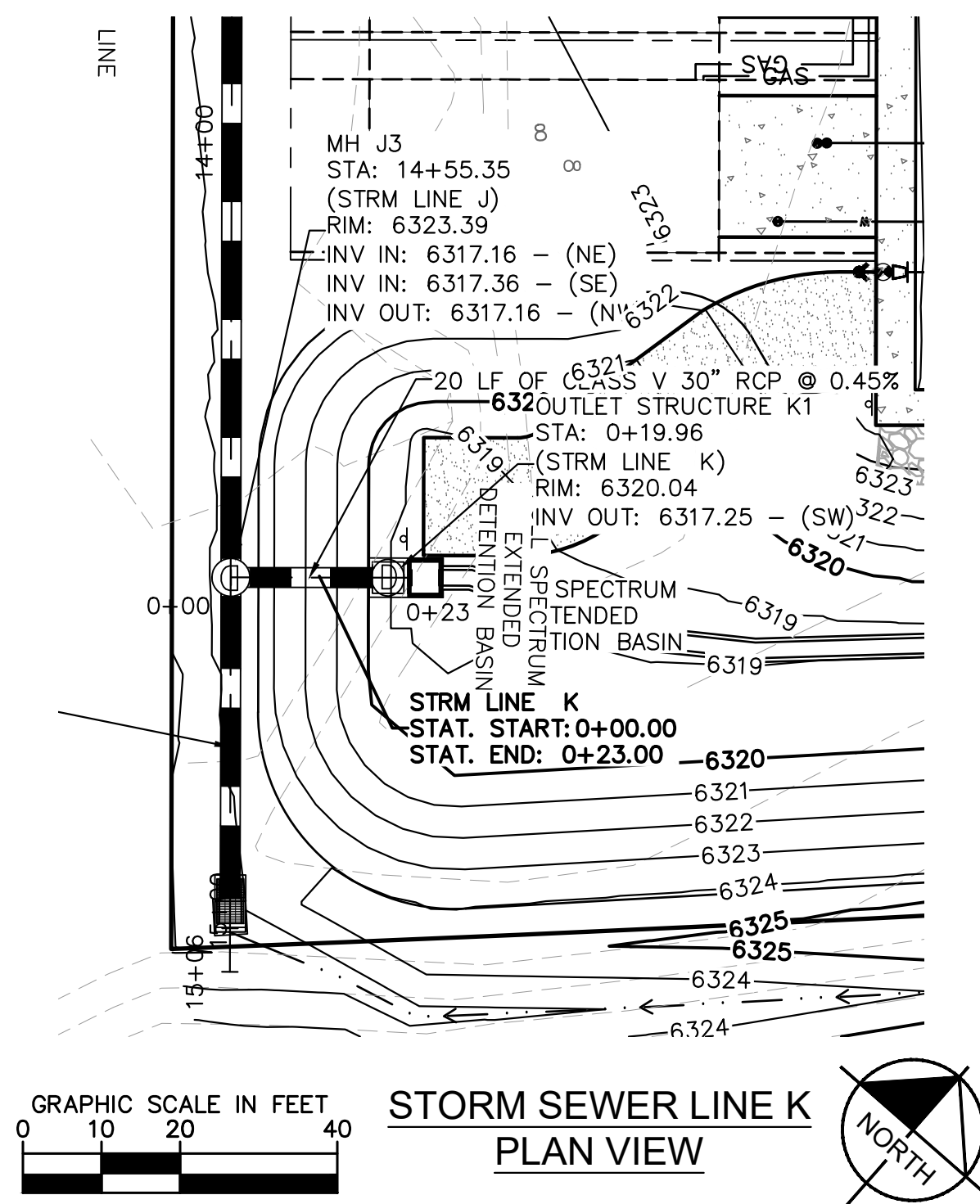
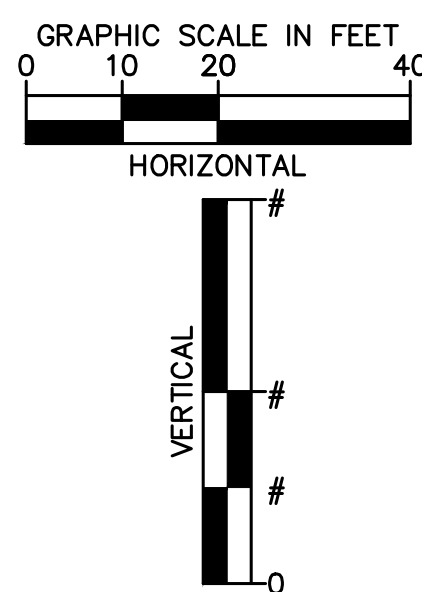
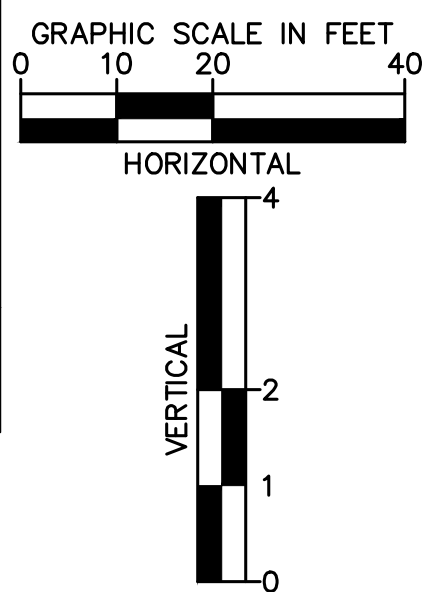
PROJECT NO.
096956009

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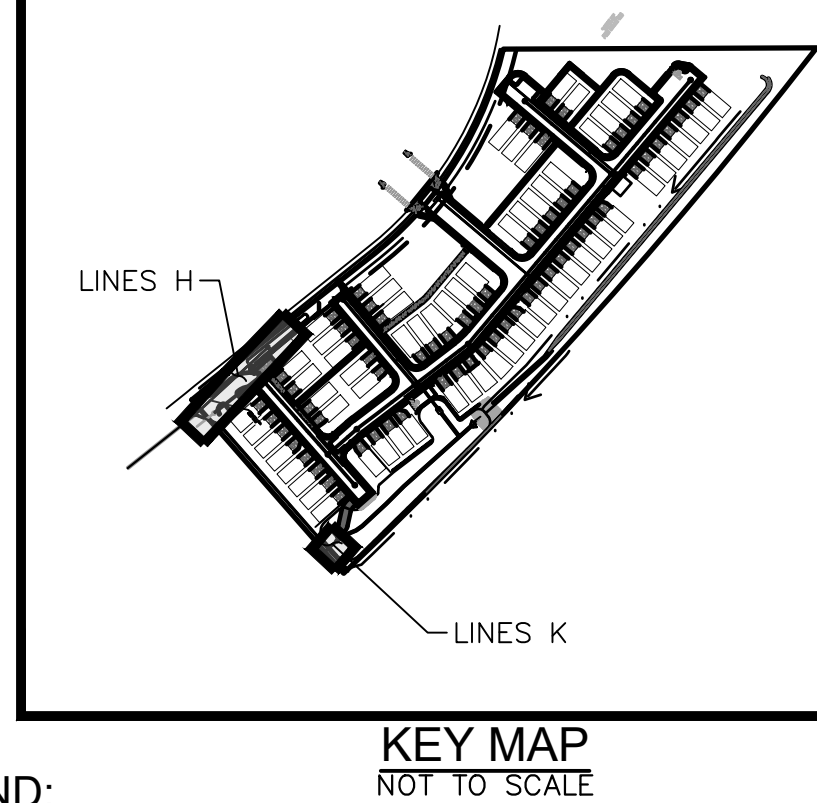
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STORM SEWER LINE I PROFILE VIEW



STORM SEWER LINE K PROFILE VIEW



LEGEND:

- PROPERTY LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT AND BOLLARD ASSEMBLY PER COA STD DETAIL 208
- PROPOSED FIRE DEPARTMENT CONNECTION W/ APPROVED KNOX HARDWARE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED CURB INLET
- EXISTING CURB INLET
- PROPOSED GRATE INLET
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- DAE DRAINAGE ACCESS EASEMENT
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DRAWN BY: KK
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DATE: 10/09/2020

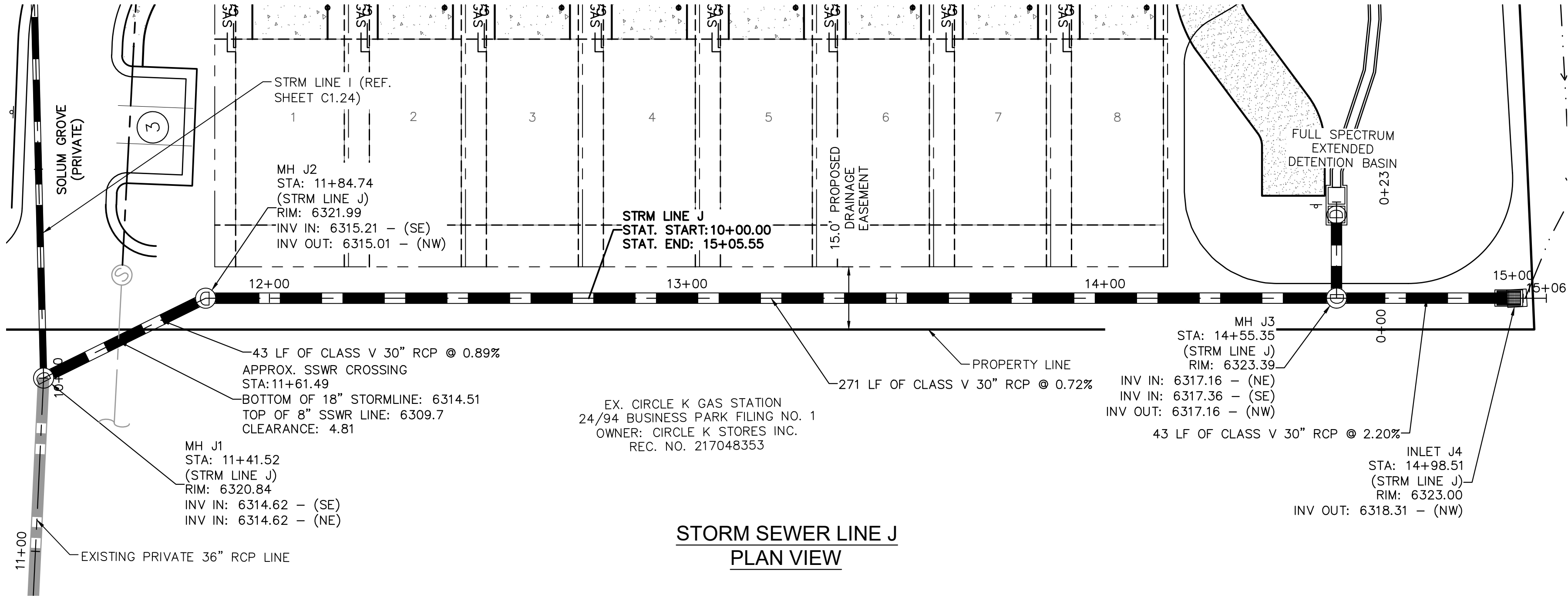
MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
UTILITY AND WATER SERVICE PLANS
STORM SEWER PLAN & PROFILES-LINE I&K

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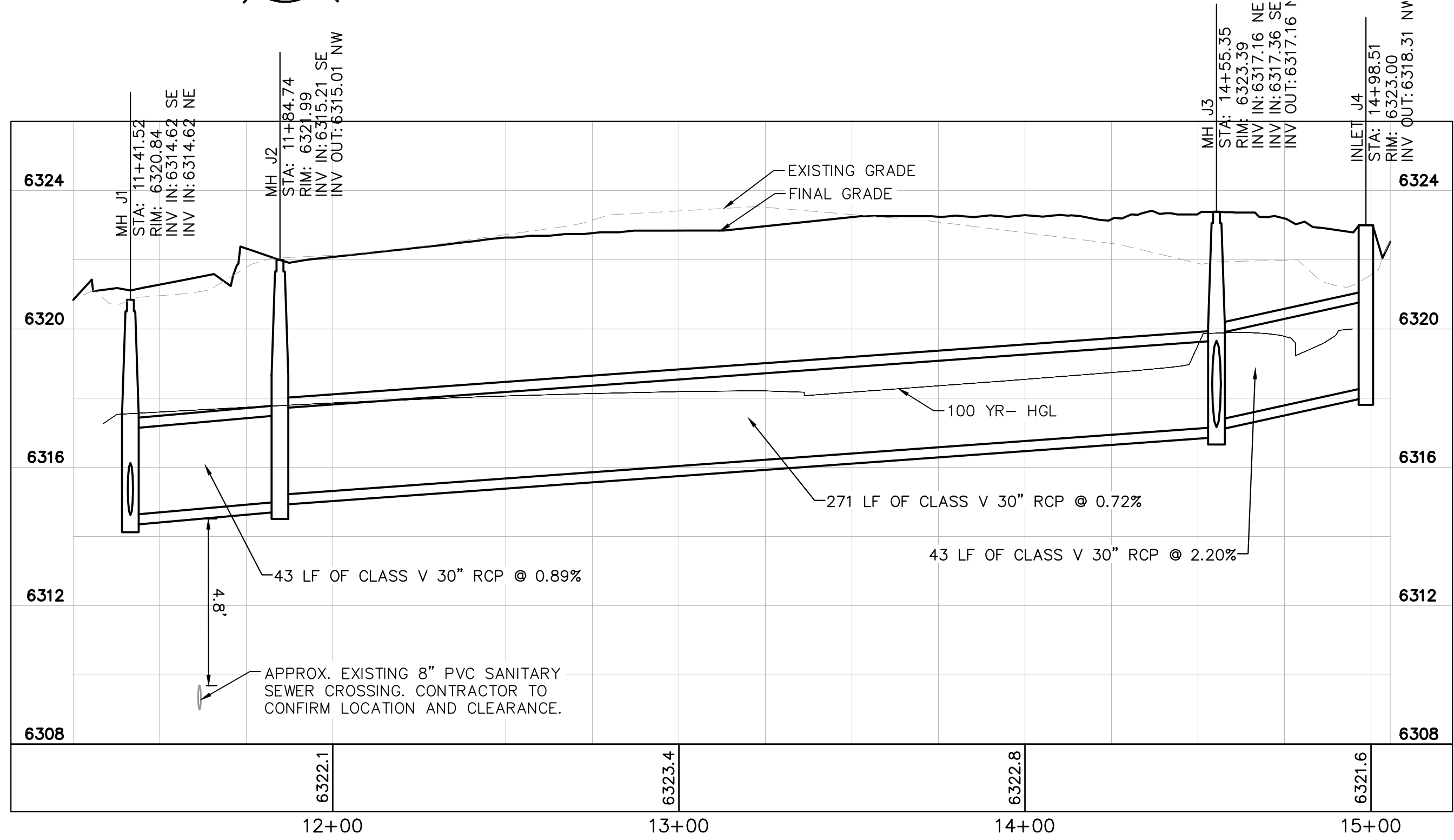
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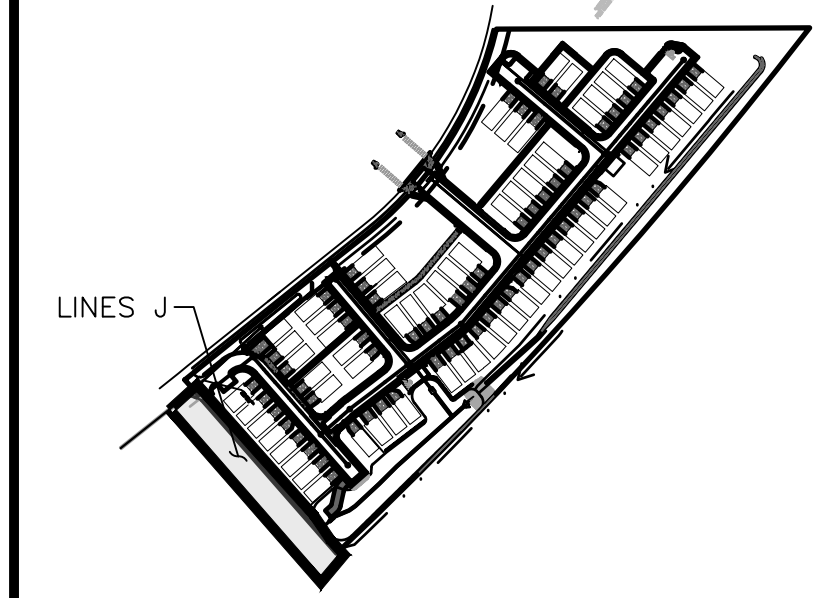
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STORM SEWER LINE J
PLAN VIEW



STORM SEWER LINE J
PROFILE VIEW



KEY MAP
NOT TO SCALE

LEGEND:

- PROPERTY LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING FIRE HYDRANT
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- PROPOSED SANITARY SEWER
- SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED CURB INLET
- EXISTING CURB INLET
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DRAWN BY: KK
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DATE: 10/09/2020

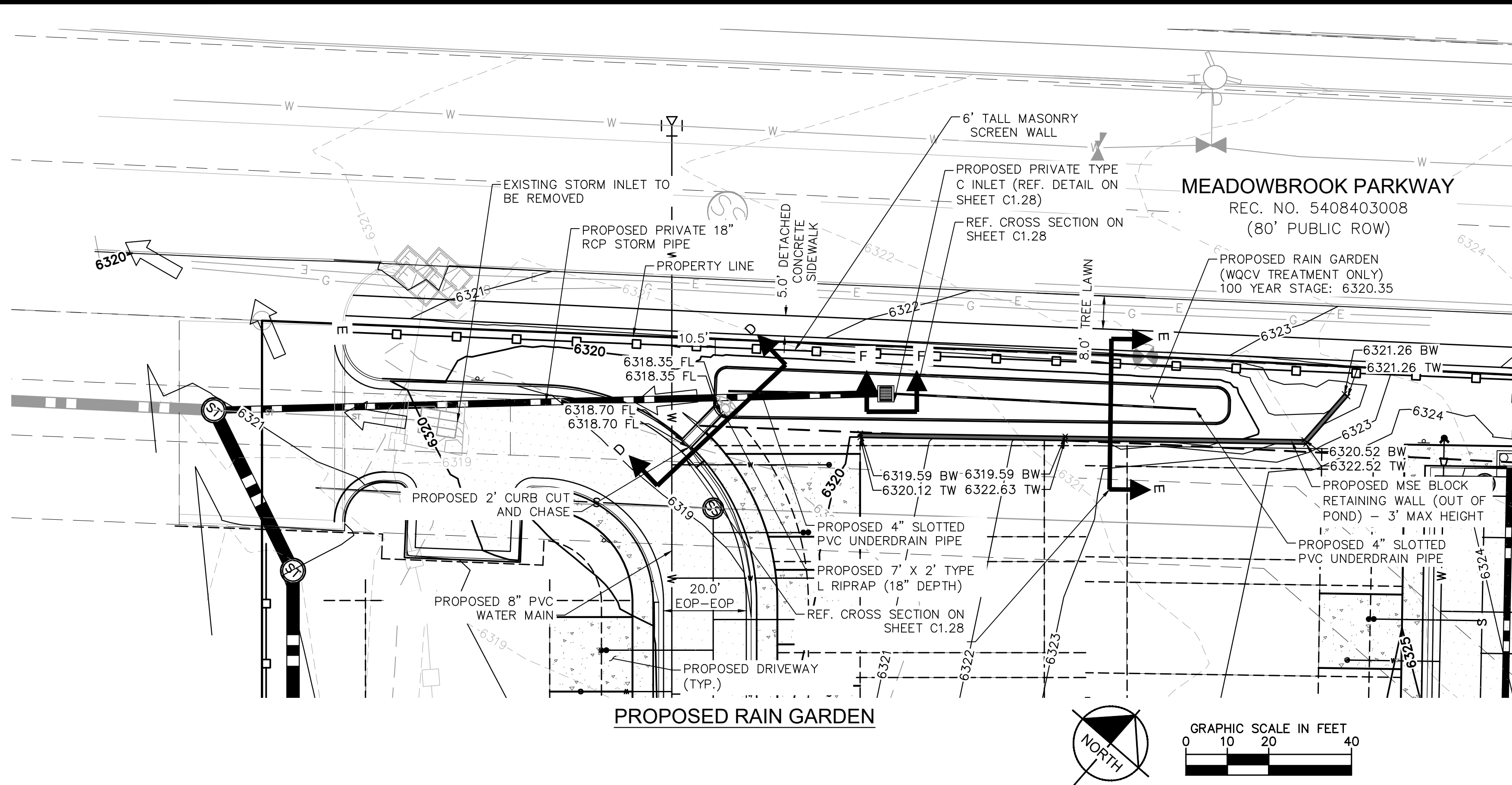
MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
UTILITY AND WATER SERVICE PLANS
STORM SEWER PLAN & PROFILES-LINES J

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Kimley-Horn and Associates, Inc.

PROJECT NO.
096956009

SHEET
C1.25

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WARNING
KEEP SCREEN AND
GRATE CLEAN.
UNAUTHORIZED
MODIFICATION OF THIS
OUTLET STRUCTURE IS
A CODE OF VIOLATION.

**STORMWATER
DETENTION POND
MAINTENANCE ROAD.
UNAUTHORIZED
ACCESS IS
PROHIBITED.**

SIGN 1

SIGN 2

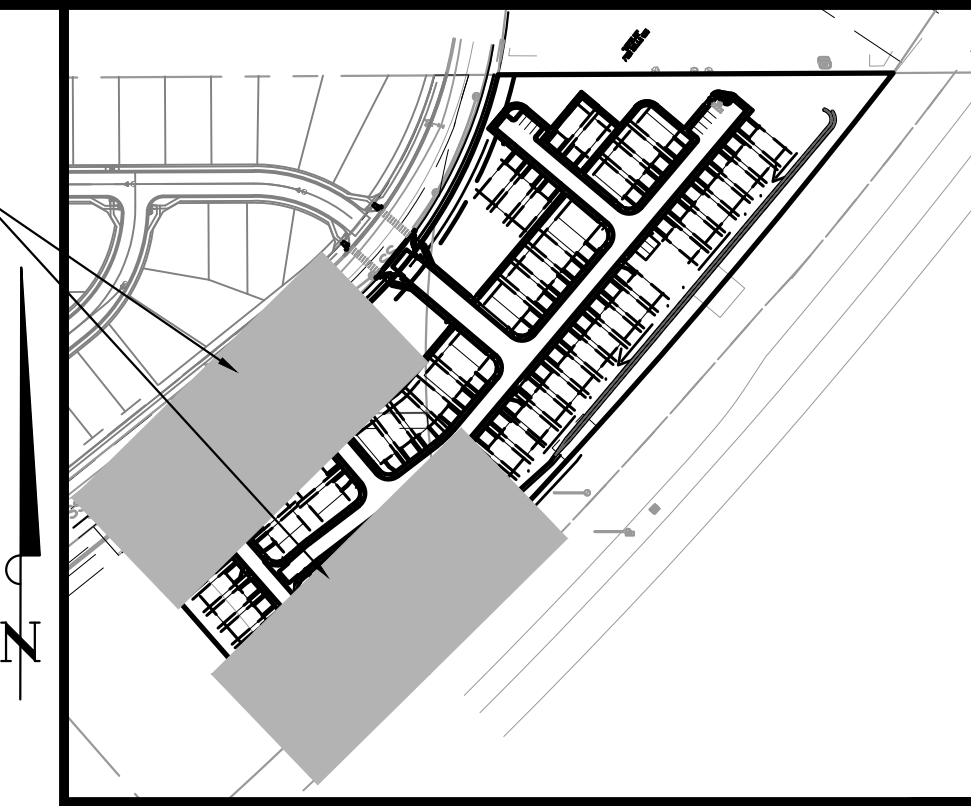
WARNING
THIS AREA IS A
STORMWATER
FACILITY AND IS
SUBJECT TO
PERIODIC FLOODING.

SIGN 3

DETENTION POND SIGNAGE NOTES:

- SIGN 1. A SIGN WITH A MINIMUM AREA OF 1.0 SQUARE FOOT SHALL BE ATTACHED TO THE DETENTION POND OUTLET STRUCTURE OR POSTED ON THE RETAINING WALL ADJACENT TO THE OUTLET STRUCTURE (IF UNABLE TO BE POSTED TO THE OUTLET) WITH THE FOLLOWING MESSAGE: "WARNING KEEP SCREEN AND GRATE CLEAN. UNAUTHORIZED MODIFICATION OF THIS OUTLET STRUCTURE IS A CODE VIOLATION."
- SIGN 2. A SIGN WITH A MINIMUM AREA OF 1.0 SQUARE FOOT SHALL BE PLACED ADJACENT TO THE DETENTION POND ACCESS ROAD WITH THE FOLLOWING MESSAGE: "STORMWATER DETENTION POND MAINTENANCE ROAD. UNAUTHORIZED ACCESS IS PROHIBITED."
- SIGN 3. TWO SIGNS, EACH WITH A MINIMUM AREA OF 3.0 SQUARE FEET, SHALL BE POSTED IN THE LOCATIONS SHOWN ON EACH CORRESPONDING SHEET. THE SIGNS SHALL BE FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND WITH THE FOLLOWING MESSAGE: "WARNING THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO PERIODIC FLOODING".

AREA SHOWN

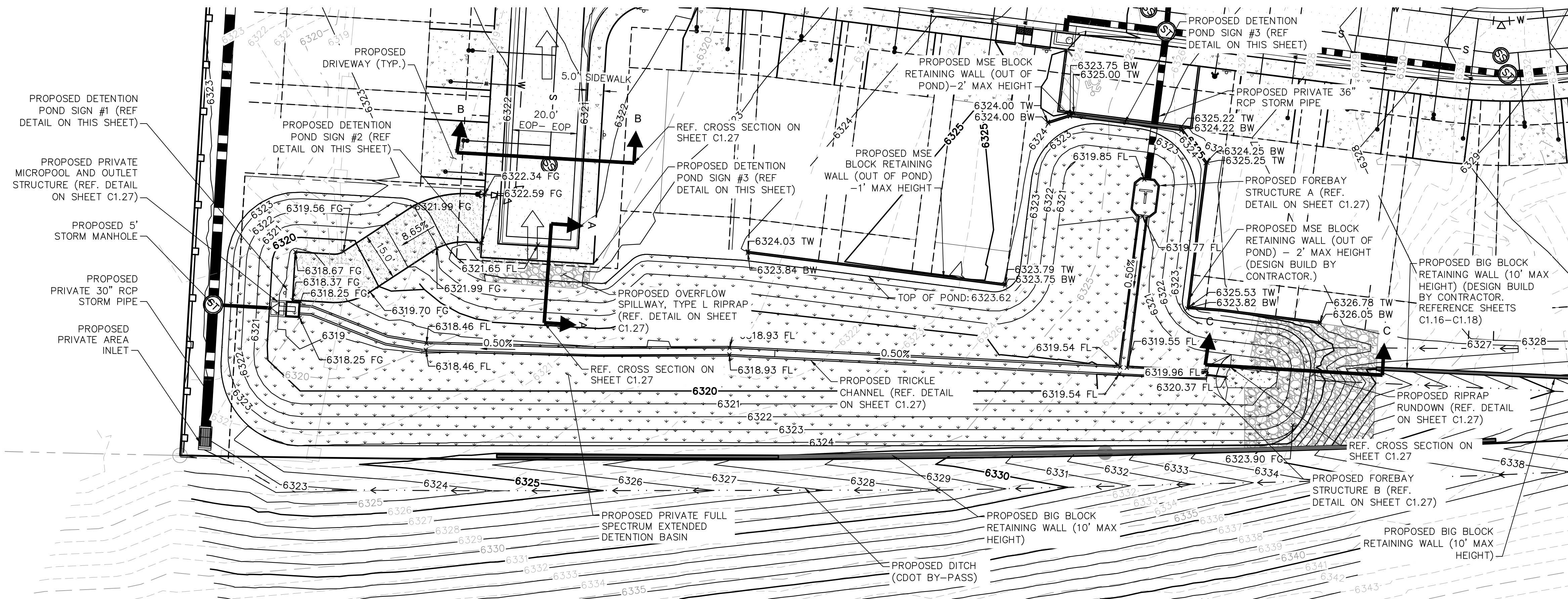


KEY MAP
NOT TO SCALE

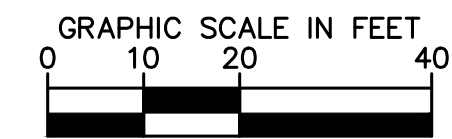
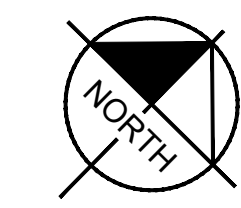
LEGEND

- PROPERTY LINE
- EASEMENT
- PROPOSED STORM SEWER
- PROPOSED FLOW DIRECTION
- 6000 PROPOSED MAJOR CONTOUR
- 6001 PROPOSED MINOR CONTOUR
- 6000 EXISTING MAJOR CONTOUR
- 6001 EXISTING MINOR CONTOUR
- PROPOSED CONCRETE
- PROPOSED LANDSCAPE AREA/ NATIVE SEEDING
- PROPOSED MAINTENANCE ACCESS ROAD
- PROPOSED RIPRAP
- OVERFLOW ROUTING
- FG FINISHED GRADE SPOT ELEVATION
- FL FLOW LINE SPOT ELEVATION
- TW TOP OF WALL SPOT ELEVATION
- BW BOTTOM OF WALL SPOT ELEVATION

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR PROCURING ENGINEERED WALL PLANS FOR ALL SITE RETAINING WALLS SHOWN HEREON FOR REFERENCE. CONTRACTOR SHALL SUBMIT ENGINEERED WALL PLANS TO ENGINEER OF RECORD AND EL PASO COUNTY FOR REVIEW AND ISSUANCE OF WALL BUILDING PERMITS PRIOR TO CONSTRUCTION.



PROPOSED FULL SPECTRUM DETENTION BASIN



Kimley»Horn

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2 North Nevada Avenue Suite 300
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: KK
DRAWN BY: KK
CHECKED BY: JH
DATE: 06/07/2021

MEADOWBROOK PARK
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
DETENTION POND PLAN

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Kimley»Horn
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PROJECT NO.
096956009

SHEET

C1.26

NO. REVISION BY DATE APPR

Sieve Size	Mass Percent Passing Square Mesh Sieves
19.0 mm (3/4")	100
4.75 mm (No. 4)	60 – 100
300 μ m (No. 50)	10 – 30
150 μ m (No. 100)	0 – 10
75 μ m (No. 200)	0 – 3

1. WHERE POSSIBLE, IRRIGATION SYSTEMS SHALL BE INSTALLED IN CONJUNCTION WITH FINISH GRADING. IF IRRIGATION INSTALLATION WILL LAG, BUFFER AND SWALE SHALL BE RESTORED TO ORIGINAL CONDITION FOLLOWING INSTALLATION. DISTURBED MEDIA LAYERS SHALL BE RESTORED, GEOTEXTILES AND EROSION CONTROL BLANKETS SHALL BE REPLACED OR PATCHED, AND FINISH GRADES SHALL BE RESTORED TO THE DESIGNED SLOPES.

- BMP MATERIAL SPECIFICATIONS:**

SANDY LOAM SHALL CONSIST OF NATIVE TOPSOIL (SURFACE O - AND A-HORIZONS HAVING MAXIMUM ROCK MASS, ORGANIC MATTER, AND BIOLOGICAL ACTIVITY) STRIPPED FROM GRASSY AREAS OF THE SITE OR A NEARBY SITE AND SHALL MEET THE FOLLOWING PROPERTIES:

ORGANIC MATTER: 2.0% OR GREATER

SOIL TEXTURE: SANDY LOAM OR SANDY CLAY LOAM MEETING THE FOLLOWING COMPONENT RANGES:

SAND OR COARSER	50 - 80 %
SILT	5 - 40 %
CLAY	5 - 25 %
COARSE PARTICLES > 2MM	0 - 20 %

SALTS, SALINITY (ELECTRICAL CONDUCTIVITY, EC) : 0 TO 2 MILL-MHOS PER CENTIMETER (MMHOS/CM) OR DECI-SIEMENS PER METER (DS/M) (MMHOS/CM ARE EQUIVALENT TO DS/M)

SODIUM (SODIUM ADSORPTION RATIO, SAR): 0 TO 4

ACIDITY, ALKALINITY (PH): 6.5 TO 7.5

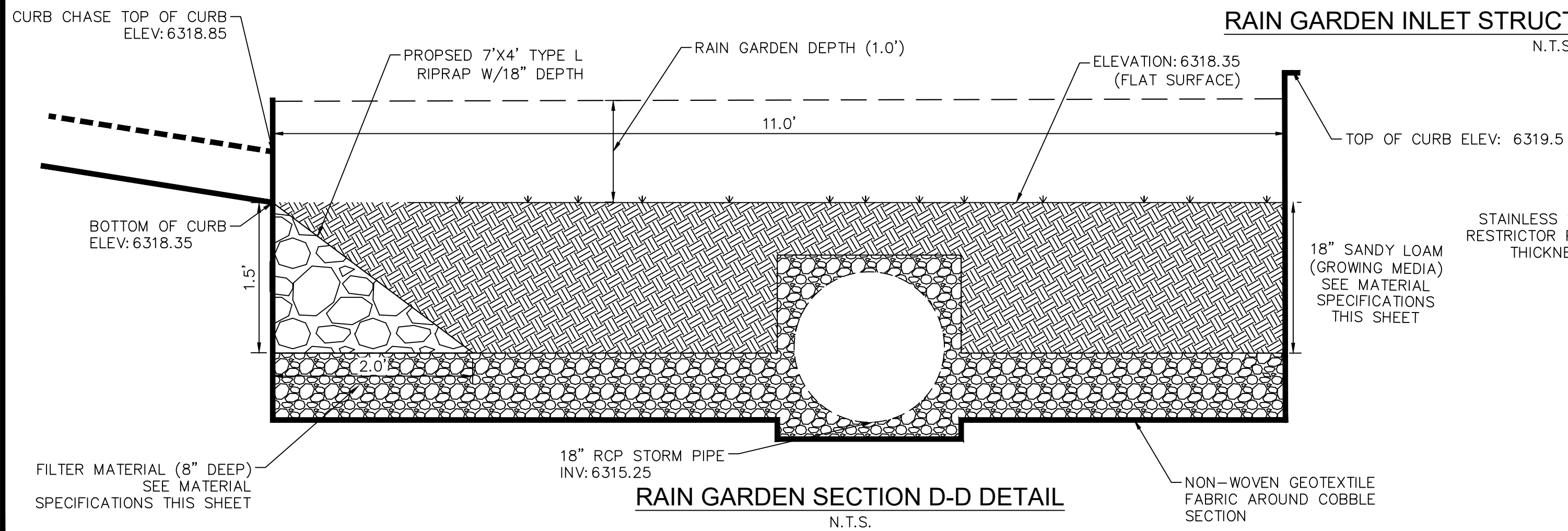
TO DETERMINE ADEQUACY OF SANDY LOAM, AT LEAST THREE REPRESENTATIVE SAMPLES OF THE NATIVE TOPSOIL SHALL RECEIVE A TEXTURAL ANALYSIS AND STANDARD AGRONOMIC TEST BY A QUALIFIED SOIL LAB. IF ORGANIC MATTER OR PH IS OUTSIDE OF THE SPECIFIED RANGE, AMENDMENTS MAY BE RECOMMENDED FOR REVIEW AND APPROVAL OF SEMSWA. ANY RECOMMENDATION FOR AMENDMENTS SHALL INCLUDE DOCUMENTATION OF AMENDMENT PROPERTIES, RATER OF APPLICATION, AND METHOD OF INCORPORATION. THE USE OF CHEMICAL FERTILIZERS OTHER THAN AN ORGANIC SLOW-RELEASE TYPE SUCH AS BIOSOL BY ROCKY MOUNTAIN BIO PRODUCTS IS NOT PERMITTED. THE USE OF ORGANIC MATTER THAT WOULD SIGNIFICANTLY INCREASE SOIL SALINITY IS NOT PERMITTED.

FILTER MATERIAL

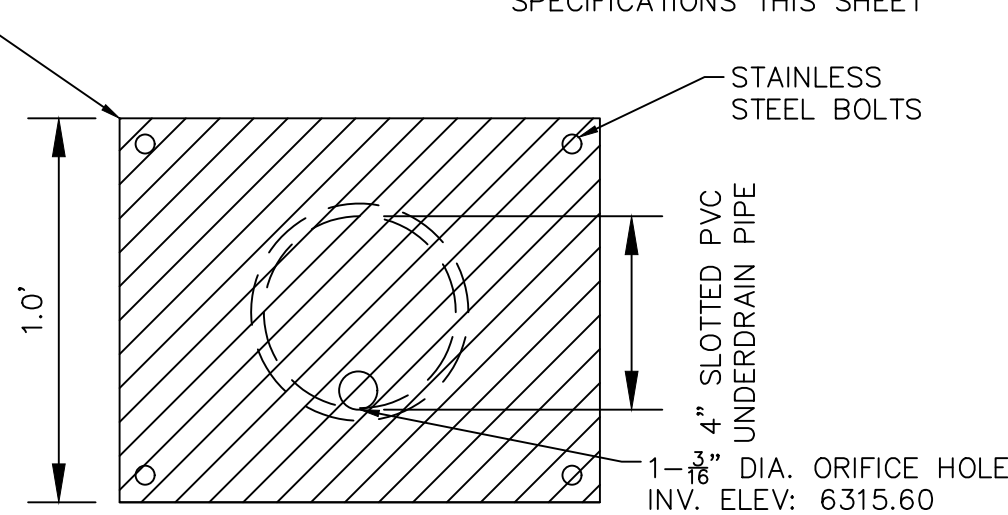
FILTER MATERIAL SHALL BE CDOT CLASS C OR APPROVED EQUAL.

NONWOVEN GEOTEXTILE

PROPERTY	CRITERION		TEST METHOD
	ELONGATION<50%	ELONGATION>50%	
GRAB STRENGTH	800N (180 LBS)	510N (115 LBS)	ASTM D4632
PUNCTURE RESISTANCE	310N (70 LBS)	180N (40 LBS)	ASTM D6241
TRAPEZOIDAL TEAR STRENGTH	310N (70 LBS)	180N (40 LBS)	ASTM D6241
APPARENT OPENING SIZE	0.3MM(Nom. 50)		ASTM D4751
PERMITTIVITY	0.02 SEC-1	DEFAULT VALUE	ASTM D4491
PERMEABILITY	K FABRIC > K SOIL	CM/SEC	ASTM D4491
UV DEGRADATION AT 500 HOURS	50% STRENGTH		ASTM D4355

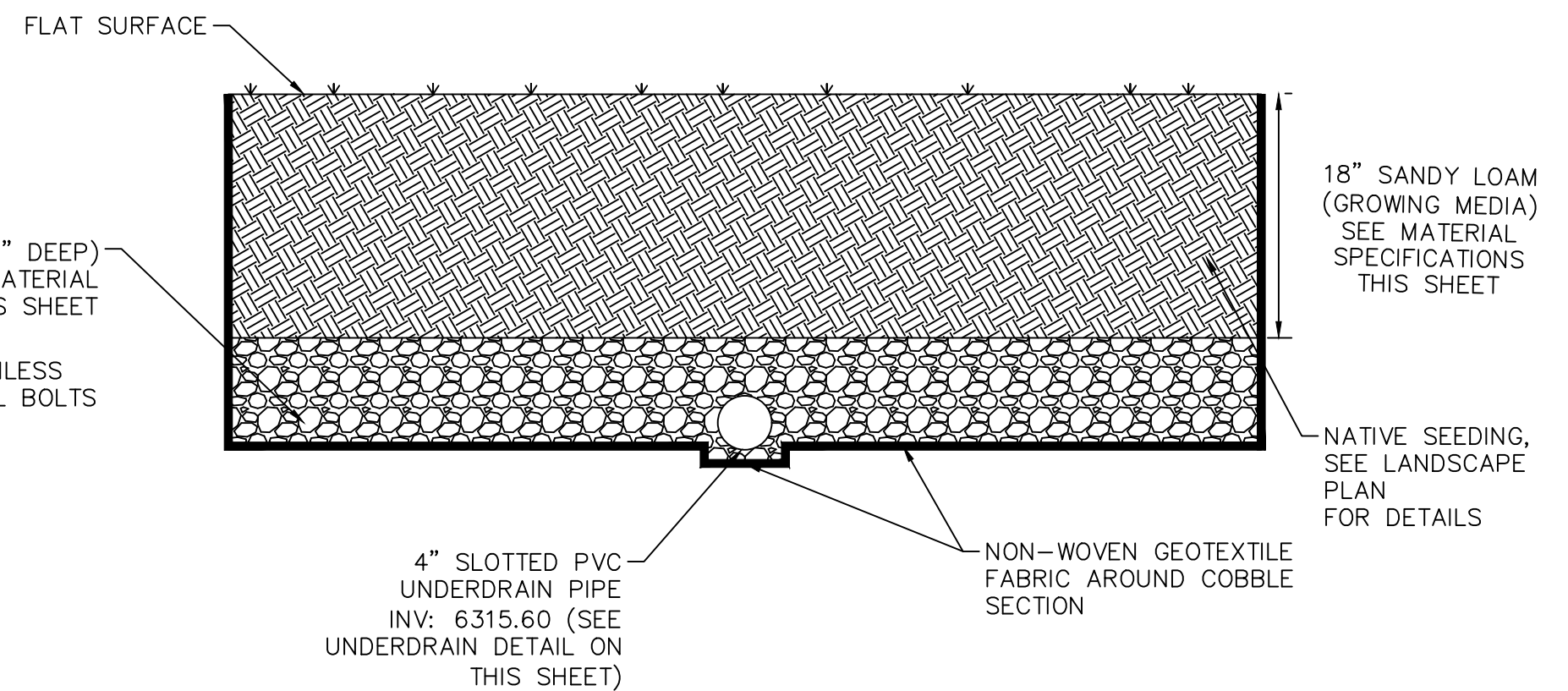


RAIN GARDEN INLET STRUCTURE SECTION F-F DETAIL



FLOW RESTRICTOR DETAIL

N.T.S.



RAIN GARDEN SECTION E-E DETAIL

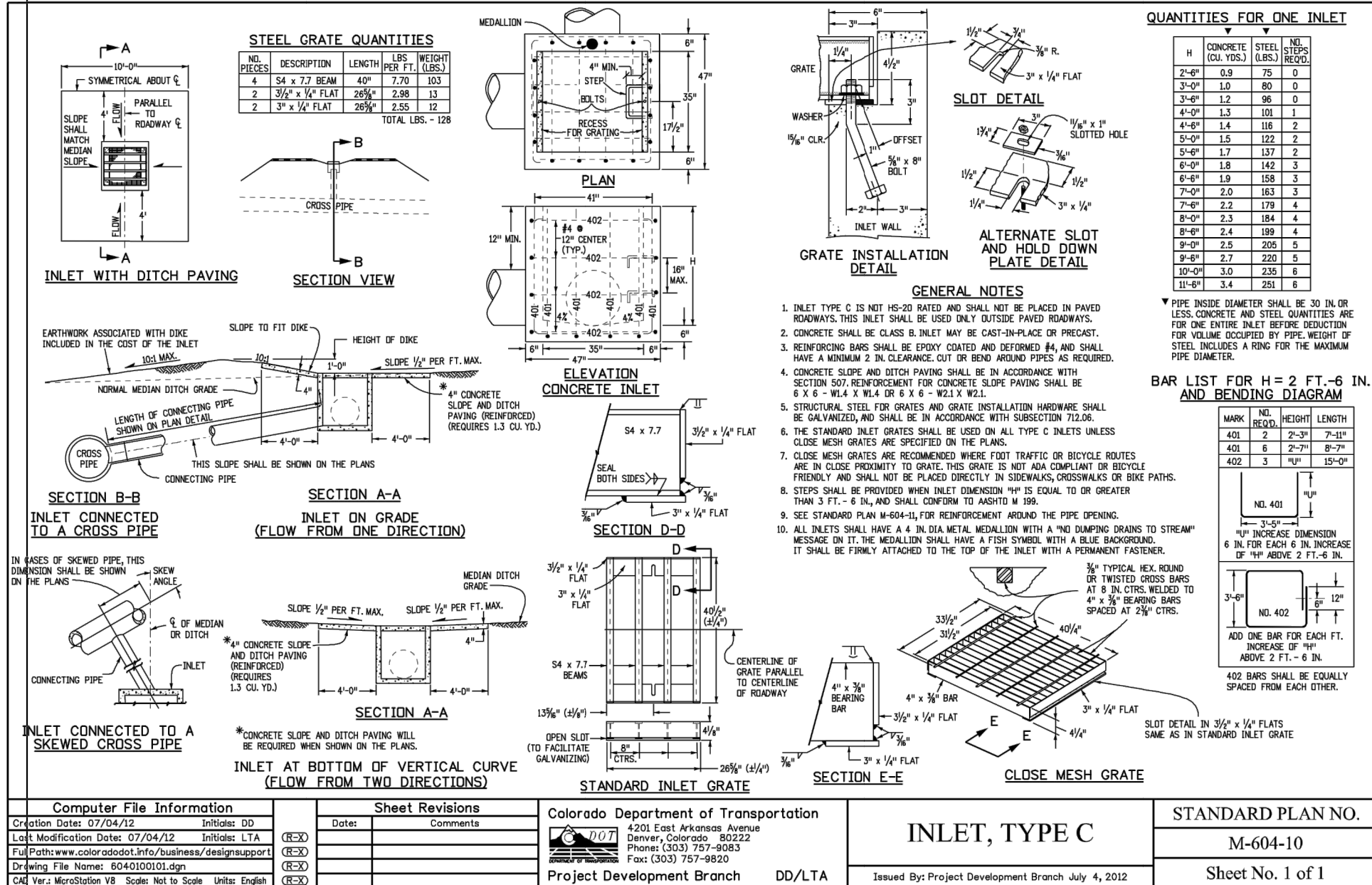


Table B-1. Material specification for bioretention/rain garden facilities

Bioretention

T-3

November 2015

Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

B-7

Material	Specification	Submittals	Testing	Notes
Bentonite Growing Media (soil + organic)	<p><u>Particle size distribution</u> 90-95% and 0.05 - 2.0mm (diameter) 3-17% all (0.005-0.5mm diameter) 3-17% clay (<0.002 diameter)</p> <p><u>Chemical attributes and nutrient analysis</u> pH 6.8 - 7.5 organic matter < 15% nitrogen < 5 ppm phosphorus < 15 ppm salinity < 5 mmhos/cm</p>	Particle size distribution and nutrient analysis required.		Percentages are in weight
Bentonite organics	3 to 5% shredded mulch (by weight of growing media)			bentonite soil required. Aged 6 months (minimum). Aged 6 months (minimum). No weed fabric allowed.
Landscape mulch	Shredded hardwood			
		Mass Percent Passing Square Mesh Sieve		
		Class C	Class C	
Underdrain aggregate	<p>CDOT filter material (Class B or as specified)</p> <p>Sieve Size 27.5 mm (No. 5) 75 mm (No. 4) 150 mm (No. 10) 300 mm (No. 50) 750 mm (No. 100) 75 mm (No. 300)</p>	<p>100 20-60 10-30 0-10 0-3</p>	<p>100 60-100 0-30 0-10 0-3</p>	Particle size distribution required
Underdrain Pipe	<p>Pipe diameter and type</p> <p>4-inch slotted PVC 1.6-inch slotted PVC</p>	<p>Maximum slot width (inches) 0.032 0.032</p> <p>Minimum open area (per foot) 190 in² 190 in²</p>	Required	<p>Pipe must conform to requirements of ASTM designation F943. There shall be no evidence of spilling, cracking, or breaking when the pipe is tested per ASTM test method D2412 in accordance with F943 section 7.5 and ASTM F758 section 8.5.</p> <p>Concrete A-2000 sloped pipe (or equal)</p>
Impermeable liner	<p>Thickness, ± Tolerance</p> <p>Tensile strength, (Mlb) (kN)</p> <p>Modulus at 20% elongation, (kN/m)</p> <p>Ultimate elongation, %</p> <p>Tear resistance, (N/bi)</p> <p>Low temperature impact, (-C) (°F)</p> <p>Volatiles loss, % maximum</p> <p>Punctures, no. per 81 m² (no. per 81 sq yd)</p> <p>Soaked seam strength, % of tensile</p>	<p>4.5 12,250 (70) 5,610 550 38 (150) 251 (20) 0.7 1 (max) NA</p> <p>Test method ASTM D 660 ASTM D882, method B ASTM D882, method B ASTM D882, method B ASTM D 1004 ASTM D 750 ASTM D882, method A NA</p>	Required	Thermal welding required for fully lined facilities (see a cutout). Leak testing in the field required.

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