DENTON WATER AND SEWER 2023 EXTENSION PROJECT

	LIST OF UTILITIES AND
EMEF	RGENCY CONTACT INFORMATION
MDOT:	MARYLAND DEPARTMENT OF TRANSPORTATION 7201 CORPORATE CENTER DRIVE HANOVER, MD 21076 410-865-1142
POLICE DEPARTMENT:	TOWN OF DENTON POLICE 100 NORTH THIRD STREET DENTON, MD 21629 410-479-1414
PUBLIC WORKS:	DENTON PUBLIC WORKS 4 N. SECOND STREET DENTON, MD 21629 410-479-2050
SEWER:	DENTON PUBLIC WORKS 4 N. SECOND STREET DENTON, MD 21629 410-479-2050
WATER:	DENTON PUBLIC WORKS 4 N. SECOND STREET DENTON, MD 21629 410-479-2050
ELECTRIC:	DELMARVA POWER COMPANY 700 E. DuPONT HIGHWAY MILLSBORO, DE 19966 410-758-4102
CABLE:	COMCAST CABLE 877-739-1379
GAS:	DELMARVA POWER COMPANY 700 E. DuPONT HIGHWAY MILLSBORO, DE 19966 410-758-4102
TELEPHONE:	VERIZON 1054 N. DuPONT HIGHWAY DOVER, DE 19901 888-496-1588

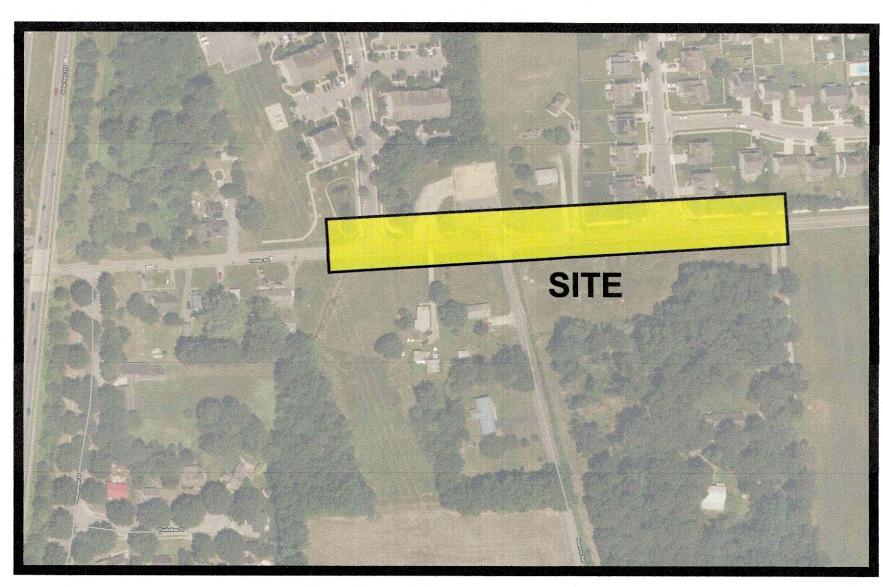


ALDERSGATE DRIVE LOCATION MAP SCALE: 1" = 300'

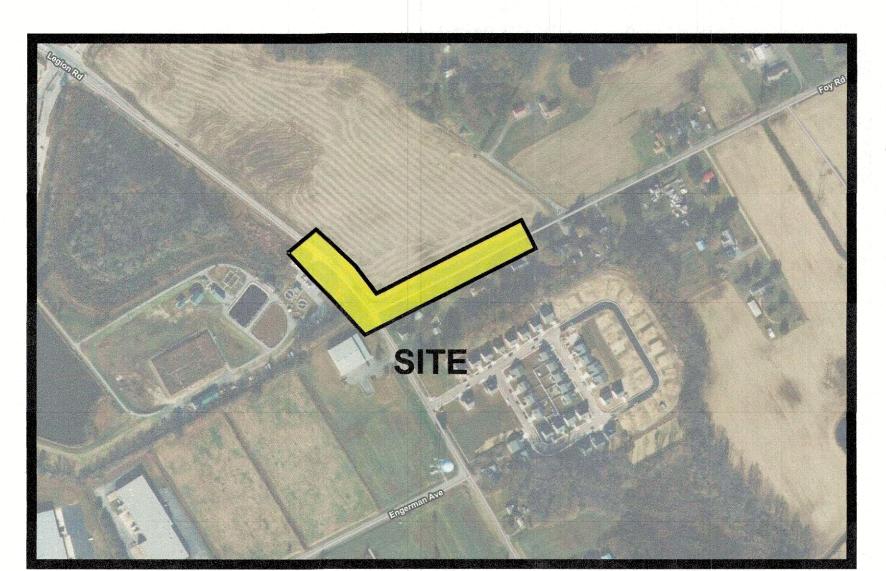


2ND STREET AND SHARP DRIVE LOCATION MAP

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3	LEGEND
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5	SECOND STREET PLAN & PROFILE - STA. 30+00 - 38+00
6	SECOND STREET PLAN & PROFILE - STA. 38+00 - 41+00
7	SHARP ROAD & SECOND STREET PAVING PLAN
8	ALDERSGATE DRIVE PLAN & PROFILE - STA. 10+00 - 17+00
9	ALDERSGATE DRIVE PLAN & PROFILE - STA. 17+00 - 22+00
10	ALDERSGATE DRIVE PAVING PLAN
11	LEGION ROAD PLAN & PROFILE - STA. 10+00 - 15+00
12	FOY ROAD PLAN & PROFILE - STA. 15+00 - 20+16.22
13	LEGION ROAD & FOY ROAD PAVING PLAN
14	MARKET STREET PLAN & PROFILE - STA. 10+00 - 18+00
15	MARKET STREET PLAN & PROFILE - STA. 18+00 - 27+00
16	MARKET STREET PAVING PLAN



MARKET STREET LOCATION MAP



FOY AND LEGION LOCATION MAP



PROJECT LOCATIONS

TOWN OF DENTON
CAROLINE COUNTY, MARYLAND

JUNE 2023



& VERNICK ENGINEERS

BELLEVUE BUILDING
262 CHAPMAN ROAD, SUITE 105
NEWARK, DE 19702
(302) 266-0212, FAX (302) 266-6208
WEB ADDRESS: RVE.COM
Excellence • Innovation • Service

DATE: 7-19-623

CHRISTOPHER J. FAZIO MD PROFESSIONAL ENGINEER LIC. No. 27351

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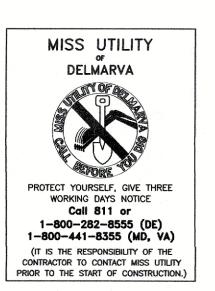
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 04-26-2023
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 Of 16



GENERAL NOTES:

- . CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF THE CONSTRUCTION, ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- 2. LOCATION OF EXISTING UTILITIES AND LATERALS ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.
- 3. THE CONTRACTOR SHALL USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 4. ALL PAVED AND CONCRETE AREAS DISTRIBUTED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE START OF CONSTRUCTION.
- 5. ALL GRASSED OR WOODED AREAS DISTRIBUTED DURING CONSTRUCTION SHALL BE TOPSOILED AND SEEDED.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF THE UNDERGROUND AND SURFACE UTILITIES AND STRUCTURES AT OR ADJACENT TO THE SITE OF CONSTRUCTION AND IT SHALL BE AT HIS OWN EXPENSE TO REPAIR OR REPLACE ANYTHING THAT HE DAMAGES.
- 7. BASELINES HAVE BEEN PROVIDED ON THE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE BASELINE AS SHOWN ON THE PLAN.
- 8. APPROXIMATE DEPTH OF ALL WATER MAIN IS \pm 4 FEET.
- 9. ALL CONSTRUCTION DETAILS NOT SHOWN SHALL BE IN COMPLIANCE WITH MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION BOOK OF STANDARDS.
- 10. SEPARATE PAYMENT WILL NOT BE MADE FOR SAW CUTTING OF ANY KIND, BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
- 11. PAYMENT FOR JOINT MATERIAL FOR ALL CONCRETE WORK WILL NOT BE MEASURED BUT SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
- 12. TRAFFIC CONTROL SHALL BE PAID UNDER "MAINTENANCE AND PROTECTION OF TRAFFIC" AND SHALL BE IN ACCORDANCE WITH THE LATEST DETAILS.
- 13. SEPARATE PAYMENT WILL NOT BE MADE FOR STEEL TREE ROOT PROTECTION PLATES, BUT PAYMENT SHALL BE MADE AS THE UNIT PRICE BID FOR CONCRETE CURB.
- 14. ALL GRASS AND WOODED AREAS DISTURBED DURING CONSTRUCTION SHALL BE BACKFILLED AS DIRECTED.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EXISTING CONCRETE CURB NOT SHOWN TO BE REMOVED. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETE REMOVAL AND REPLACEMENT OF ANY DAMAGED CURB NOT DOCUMENTED PRIOR TO THE START OF CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- 16. ALL UNUSED MATERIAL EXCAVATED FROM THE PROJECT SITE ARE TO BE DISPOSED OF AT AN APPROVED FACILITY.
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED IN THE PLANS AND SPECIFICATIONS. SEPARATE PAYMENT FOR ALL ASSOCIATED COSTS WILL NOT BE MADE, BUT SHALL BE INCLUDED UNDER VARIOUS ITEMS OF THE PROPOSAL
- 18. THE CONTRACTOR MUST OBTAIN AND PAY FOR STATE ROAD OPENING PERMIT FOR ALL WORK WITHIN THE TOWN RIGHT-OF-WAY ALL COSTS ASSOCIATED WITH PERMIT ACQUISITION SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE PROPOSAL.
- 19. CONTRACTOR IS RESPONSIBLE TO ENSURE POSITIVE DRAINAGE ALONG ALL ROADWAYS TO BE RESURFACED. THE CONTRACTOR SHALL PROVIDE ELEVATIONS AT ALL DEPRESSED CURB LOCATIONS ASSOCIATED WITH THE ADA RAMPS TO ENSURE POSITIVE DRAINAGE ADJACENT TO THE RAMP AND AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. SEPARATE PAYMENT WILL NOT BE MADE FOR PROVIDING PROPOSED ELEVATIONS BUT ALL COSTS SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
- 20. 2020 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS AND AS AMENDED PER COUNTY SPECIFICATIONS SHALL GOVERN THIS PROJECT.
- 21. CONTRACTOR SHALL RESTORE ALL EXISTING FEATURES DISTURBED DURING CONSTRUCTION (I.E. MAILBOXES, IRRIGATION SYSTEMS, LANDSCAPING, ETC.). ALL COSTS SHALL BE INCLUDED IN THE PRICE BID FOR SITE CLEARING.
- 22. THE CONTRACTOR SHALL ANTICIPATE GROUND WATER INFILTRATION INTO ALL OF THE COMBINED SEWER/STORM SEWER PIPES. INLETS AND MANHOLES WHEN PERFORMING THE VARIOUS TASKS ASSOCIATED WITH THIS PROJECT. ALL COSTS ASSOCIATED WITH THE TEMPORARY BYPASS PUMPING AND OR DEWATERING SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE PROPOSAL.
- 23. THE TRENCH LIMIT OF DISTURBANCE WITHIN THE ASPHALT ROADWAY SHALL BE LIMITED TO A 4' WIDTH PER UTILITY TRENCH. THE LAY DOWN AREA FOR THE EXCAVATED MATERIAL SHALL BE IMMEDIATELY ADJACENT TO THE TRENCH AND SHALL BE ISOLATED TO THE ASPHALT ROADWAY. TRENCH SHALL BE BACKFILLED AT THE END OF EACH DAY. ALL BASE PAVING SHALL BE COMPLETED EACH FRIDAY FOR ALL WORK COMPLETED THAT
- 24. THE CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING THE PAVED CARTWAY FREE AND CLEAR OF SEDIMENT EACH DAY THE WORK PROGRESSES AND AS OFTEN AS NECESSARY TO KEEP A CLEAN BROOM SWEPT CONDITION AND OR AS DIRECTED BE THE ENGINEER.
- 25. ALL UTILITY CROSSINGS/OFFSETS SHALL INCLUDE COMPACTED STABILIZATION MATERIAL FOR FULL LENGTH OF CROSSING.
- 26. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- 27. SEPARATE PAYMENT WILL NOT BE MADE FOR EXCAVATION, DEWATERING, FITTINGS, PIPE BEDDING, SHEETING, BRACING, SHORING, INLET CONNECTIONS, TRAPS, AND SUITABLE BACKFILL MATERIAL INVOLVED IN ALL PIPE AND ASSOCIATED STRUCTURES REMOVAL, RECONSTRUCTION AND INSTALLATION, BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL REGARDLESS OF DEPTH.
- 28. THE CONTRACTOR SHALL EXERCISE PARTICULAR CARE, ESPECIALLY AT INTERSECTIONS AND GUTTER LINES, IN MILLING AND CONSTRUCTION OF PAVEMENT TO PROVIDE POSITIVE FLOWING STORMWATER. ANY AREAS WHERE WATER IS IMPOUNDED SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- 29. ALL WORK TO BE COORDINATED WITH SEPARATE CONTRACTORS FOR ONGOING WORK IN AREAS SURROUNDING THE SITES.
- 30. ALL PEDESTRIAN ACCESS TO SIDEWALKS AND STREETS, INCLUDING CROSSWALKS, CURB RAMP, STREET FURNISHINGS, PEDESTRIAN SIGNALS, PARKING AND OTHER COMPONENTS OF PEDESTRIAN ACCESS PROPOSED IN THE RIGHT-OF-WAY ARE TO BE IN ACCORDANCE WITH ADA & ABA ACCESSIBILITY GUIDELINES AND THE CURRENT PUBLIC RIGHTS-OF-WAY GUIDELINES PROPOSED BY THE ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD (ACCESS BOARD).
- 31. INLETS, AND ALL OTHER UTILITY ACCESS PANELS AND VAULTS, SHALL NOT BE LOCATED WITHIN PUBLIC SIDEWALK CURB RAMPS. CONTRACTOR SHALL ADJUST CURB RAMP LOCATIONS IN THE FIELD WITH THE APPROVAL OF THE ENGINEER TO ACCOMMODATE RECENT UTILITY RELOCATIONS.
- 32. EXISTING SANITARY SEWER MAINS & LATERALS SHOWN MAY NOT BE ACCURATE DUE TO INCOMPLETE UTILITY INFORMATION.
- 33. ALL TREE REMOVALS ARE TO BE VERIFIED BY THE ENGINEER PRIOR TO REMOVAL. ALL TREE PLANTINGS ARE APPROXIMATE WITH FINAL LOCATIONS TO BE ESTABLISHED IN THE FIELD.
- 34. THE CONTRACTOR SHALL UTILIZE A QUALIFIED ARBORIST FOR ALL TREE TRIMMINGS.

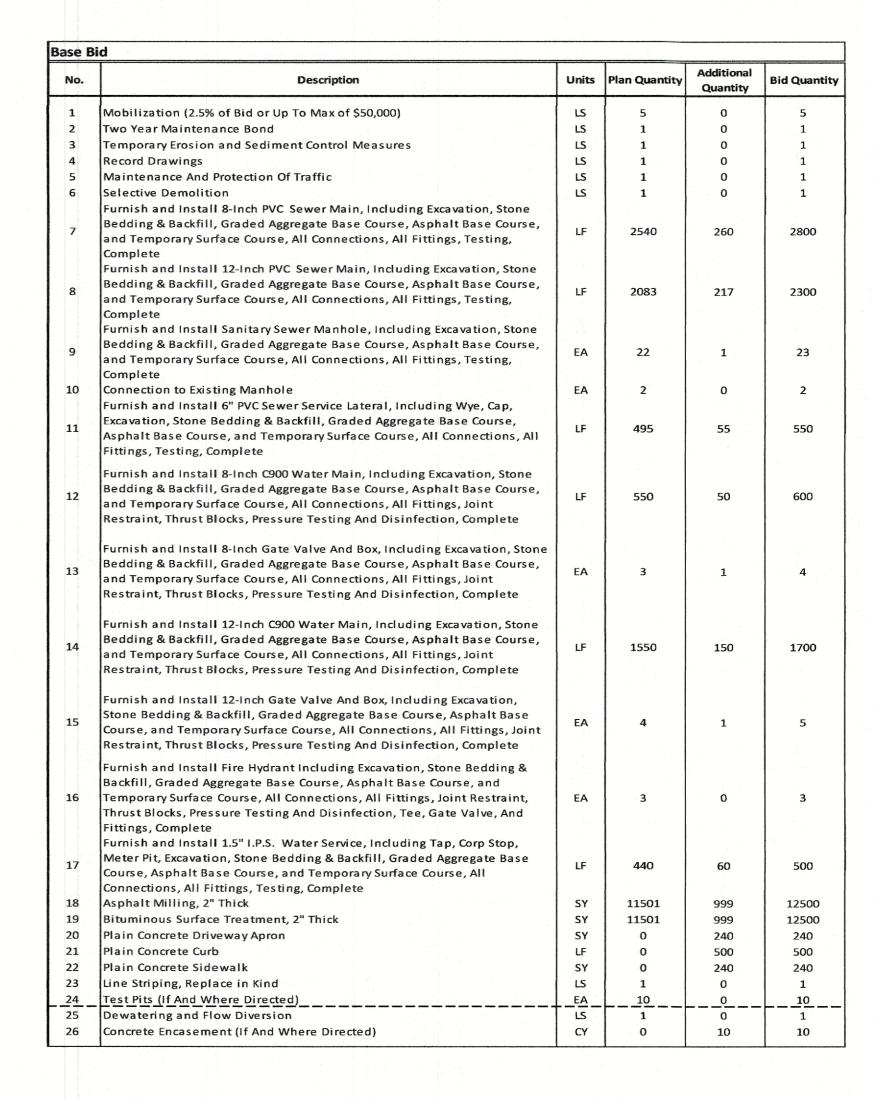
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- 35. INLET SEDIMENT PROTECTION SHALL BE INSTALLED AT ALL EXISTING AND PROPOSED INLETS AND CATCH BASINS SHOWN ON THE PLANS. PAYMENT SHALL BE INCLUDED IN THE LUMP SUM COST FOR 'SOIL EROSION AND SEDIMENT CONTROLS'.
- 37. IN ACCORDANCE WITH CODE OF MARYLAND REGULATIONS (COMAR) 26.04.01.33, DIRECT AND INDIRECT ADDITIVES, SUPPLIERS OF WATER SHALL ONLY USE PRODUCTS (ANY MATERIALS THAT COME IN CONTACT WITH WATER INTENDED FOR USE IN PUBLIC WATER SUPPLY) THAT MEET THE APPLICABLE AMERICAN NATIONAL STANDARDS INSTITUTE / NSF INTERNATIONAL (ANSI / NSF) STANDARDS FOR DIRECT OR INDIRECT DRINKING WATER ADDITIVES. THE PRODUCTS CAN ALSO BE CERTIFIED BY AN ORGANIZATION ACCREDITED BY THE ANSI FOR SUCH TESTING (I.E., INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS RESEARCH AND TESTING, ONTARIO CA, UNDERWRITERS LABORATORY, NORTHBROOK IL, AND WATER QUALITY ASSOCIATION, LISLE IL).

- 38. IN COMPLIANCE WITH COMAR 09.20.01.03 AND THE SAFE DRINKING WATER ACT (SECTION 1417(A)(4)(8), MATERIALS THAT COME IN CONTACT WITH WATER INTENDED FOR USE IN PUBLIC WATER SUPPLY SHALL COMPLY WITH THE REDUCTION OF LEAD IN DRINKING WATER ACT, WHICH WENT INTO EFFECT IN MARYLAND IN JANUARY 2012.
- 39. DISINFECTION OF WATER MAINS/PIPING, IN ACCORDANCE WITH AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARD C651, IS REQUIRED BY RECOMMENDED STANDARD FOR WATER WORKS SECTION. 8.7.7. CONFIRMING BACTERIOLOGICAL TESTING AS SPECIFIED IN THIS AWWA STANDARD IS REQUIRED AS WELL, AND RESULTS MUST BE SENT TO MDE WATER SUPPLY PROGRAM. THE SAMPLES MUST BE COLLECTED BY A STATE CERTIFIED SAMPLER AND ANALYZED AT A STATE CERTIFIED LAB.
- 40. EACH CONTRACTOR AND SUBCONTRACTOR PERFORMING EXCAVATION OR DEMOLITION WORK FOR THIS PROJECT IS REQUIRED TO SUBMIT A CONSTRUCTION NOTIFICATION THROUGH THE MISS UTILITY SYSTEM. EACH CONTRACTOR AND SUBCONTRACTOR ARE REQUIRED TO COMPLY WITH ALL PROVISIONS OF THE ANNOTATED CODE OF MARYLAND PUBLIC UTILITIES ARTICLE TITLE XII, AS AMMENDED.

ESTIMATE/DISTRIBUTION OF

QUANTITIES





ENGINEERS UNIVERSITY OFFICE PLAZA **BELLEVUE BUILDING** 262 CHAPMAN ROAD, SUITE 105 NEWARK, DE 19702 (302) 266-0212, FAX (302) 266-6208 WEB ADDRESS: RVE.COM

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MD PROFESSIONAL ENGINEER LIC. No. 27351

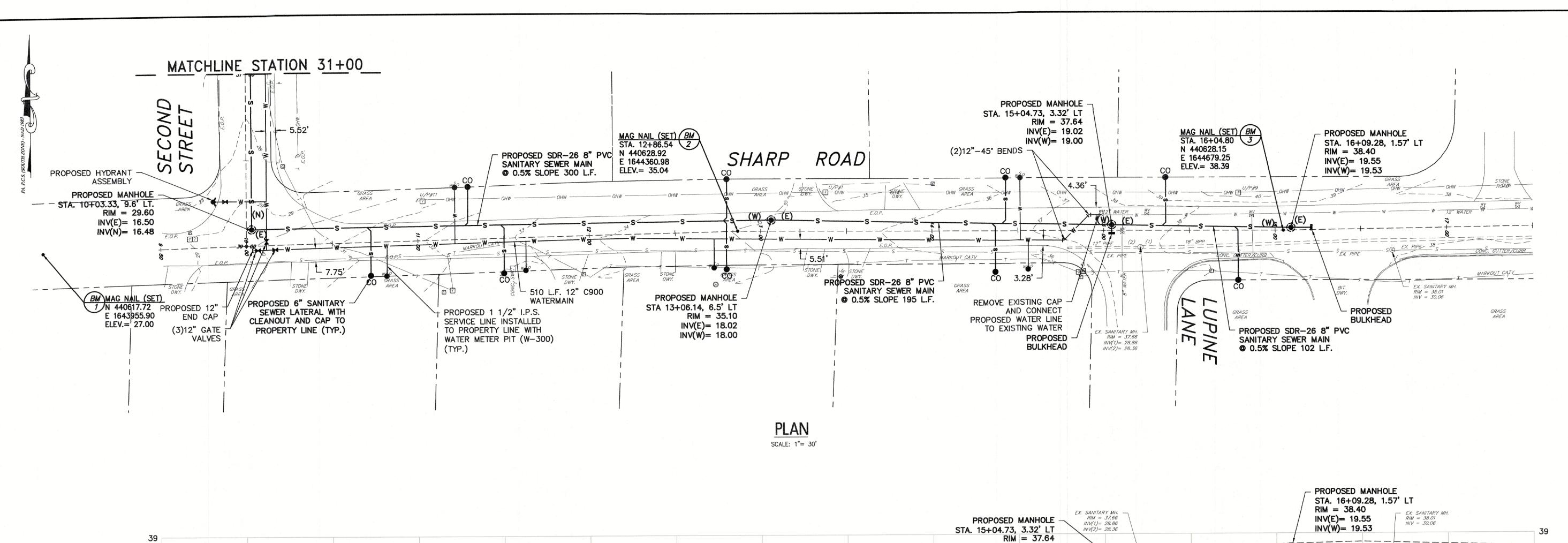
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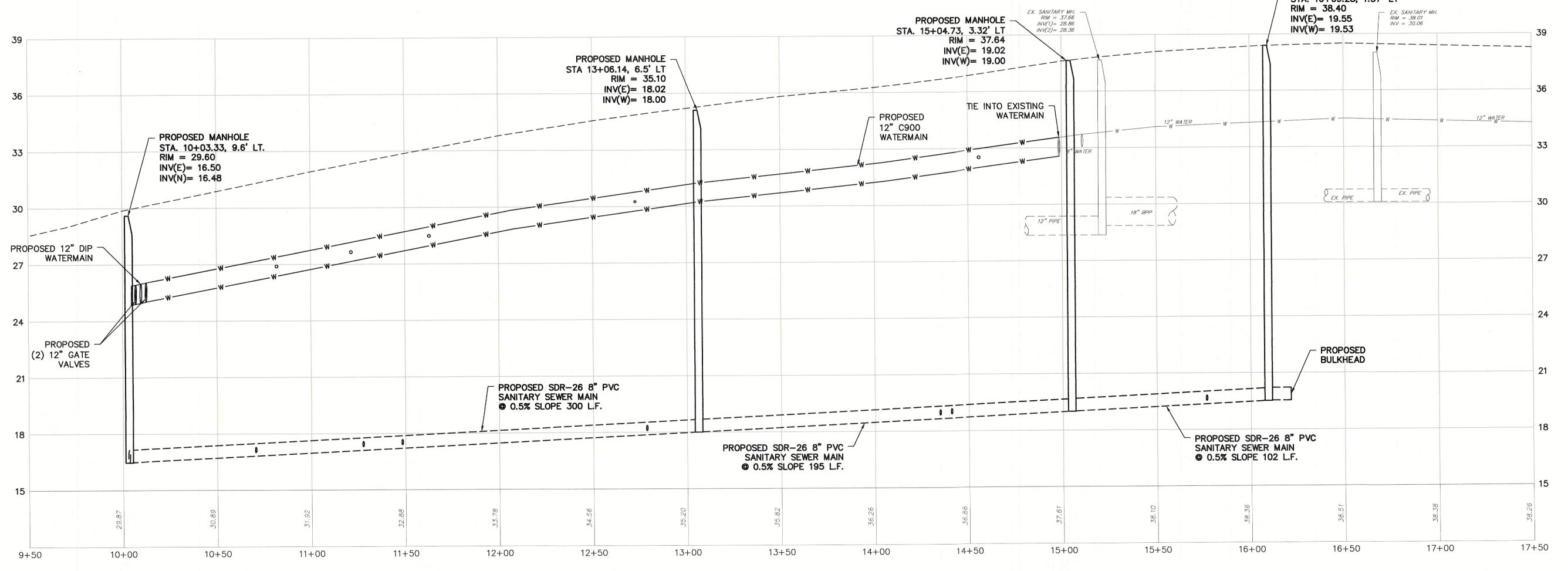
DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR R E S U L T I N G T H E R E F R O M .

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STANDARD LEGEND

EM	DESCRIPTION	EXISTING	PROPOSED	ITEM	DESCRIPTION	EXISTING	PROPOSED	ITEM	DESCRIPTION	EXISTING	PROPOSED	1901
	DESCRIPTION	LAISTING	- ROPOSED	11-141	DESCRIPTION		PROPUSED	11-141	DESCRIPTION	LAISTING	PROPOSED	REMING & VERNI
	OVERHEAD WIRE SANITARY FORCE MAIN PIPE	OHW -	D.		BENCHMARK LOCATION	$\frac{BM}{X}$			EDGE OF PAVEMENT			ENGINE
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	STORM SEWER PIPE > 12"	(SIZE & TYPE)	(SIZE & TYPE)		AERIAL TARGET	+			PAVEMENT / CONC. / SIDEWALK	BITUMINOUS/ASPHALT	CONCRETE SIDEWALK	262 CHAPMAN ROAD NEWARK, DE
	GAS SERVICE	<i>S</i>			CONCRETE MONUMENT		■ (SET)			CONCRETE	PAVEMENT, FULL DEPTH RESTORATION	WEB ADDRESS : R
	SANITARY SEWER PIPE ≤12" SANITARY SEWER PIPE > 12"	(SIZE & TYPE)	(SIZE & TYPE)		PK / MAG NAIL / DRILL HOLE / SPIKE	•	• (SET)			BRICK/PAVERS	PAVEMENT MILLING	Excellence • Innovat
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	FIBER OPTIC SERVICE	FO	F0		STAKE	Δ	▲ (SET)				DRIVEWAY RESTORATION, BRICK	DATE: 7-19 CHRISTOPHER
	TELEPHONE SERVICE	T			HUB	Δ	△ (SET)				DRIVEWAY RESTORATION, CONCRETE	MD PROFESSIONAL ENGINE
	COMMUNICATIONS SERVICE	- c	c		PIN W/ CAP	•	• (SET)				DRIVEWAY RESTORATION, STONE	
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		© ELECTRIC © GAS @ UNKNOWN		M	FRESHWATER WETLAND BUFFER				RISER PIPE	8		
	HEADWALL				EDGE OF WATER				RAISED PAVEMENT MARKER	8		
	HEADWALL W/ WINGS				STREAM CENTERLINE				TYPICAL NORTH ARROW	NAD-1089		
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	COMMUNICATIONS LINE MARKER	<u>c</u>		S	WOODS / TREE LINE				BLDG. BUILDING HW HEADWALL	PVC POINT OF VERTICAL CURVATURE	UD UNDERDRAIN	
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District Services and Services	ELEC. BOX	©			WOOD / VINYL FENCE				CONC. CONCRETE IN INCHES CMP CORRUGATED METAL PIPE JB JUNCTION BOX CLILY CLILVERT LSA LANDSCAPED AREA	RCP REINFORCED CONCRI RMC RIGID METALLIC COND R.O.W. RIGHT OF WAY	ETE PIPE WM WATER METER DUIT	Ш Ш
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	ELEC. LINE MARKER	<u> </u>			BOTTOM OF BANK / DITCH	BB			DH DRILL HOLE MAX. MAXIMUM DIA. DIAMETER MIN. MINIMUM DIP. DIJICTII E IRON PIPE MH MANHOLE	SHD STATE HIGHWAY DEP SHLD. SHOULDER STY. STORY	ANTIMENT.	
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PERSONAL MERCHANISM CONTRACTOR		STANDARD & W/ LIGHT & W/ SOLAR			CONTOUR (MINOR)		3		DYL DOUBLE YELLOW LINE N.T.S. NOT TO SCALE P PIPE			
	GUY ANCHOR				FLOW LINE / SWALE			king the second	DRAWI	NG NOMENCLATUR	RE REPRESENTATION	
	ELEC. OUTLET	⊕	©	2	TIME OF CONCENTRATION	——	>				1 UNIT 27 SAN. MH #1210 27 STA.24+03 RIM=61.00 INV.=50.50(1) INV.=50.40(2)	
	LIGHTS	© POLE ♥ AREA	* ▼	G	SPOT GRADE	x 3.48	χ3.48		SAN. MH. RIM-61.00		NM=51.00 INV.=50.50(1) INV.=50.40(2)	DRAWN BY: DESIGN BY: CHECK
	VENT	Ö			ROADWAY GRADE	TC5.45 GL4.95	TC5.45 GL4.95		INV.=50.50(1) INV.=50.40(2)		100 LF ①	DATE: 04-26-2023
	VENT PIPE	8°			DRAINAGE FLOW	→	\Rightarrow		$===\frac{24"}{=}\frac{PVC}{=}\frac{(1)}{=}\frac{(2)}{5}$ s $\frac{12"}{5}$	<u> </u>	= $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$	JOB No. :





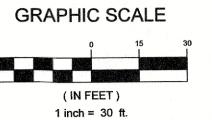
NOTES

1. THE HORIZONTAL DATUM IS BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM (NAD-1983 / 2011 ADJ.) AND THE VERTICAL DATUM IS BASED ON NAVD-1988 / GEOID 2018 (ADD 0.79 FEET TO THESE ELEVATIONS TO CONVERT TO NGVD-1929 DATUM).

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PROFILE

SCALE: 1"= 3' VERT. SCALE: 1"= 30' HORIZ.



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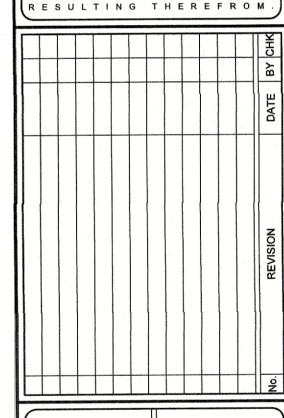
DATE: 7-17-2023

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& VERNICK ENGINEERS AND AFFILIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS,



ROAD PLAN & PROFILE

TA. 10+00 - 17+50

Town of Denton

RAND SEWER 2023 EXTENSION PROJECT

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DATE: SHEET No.:

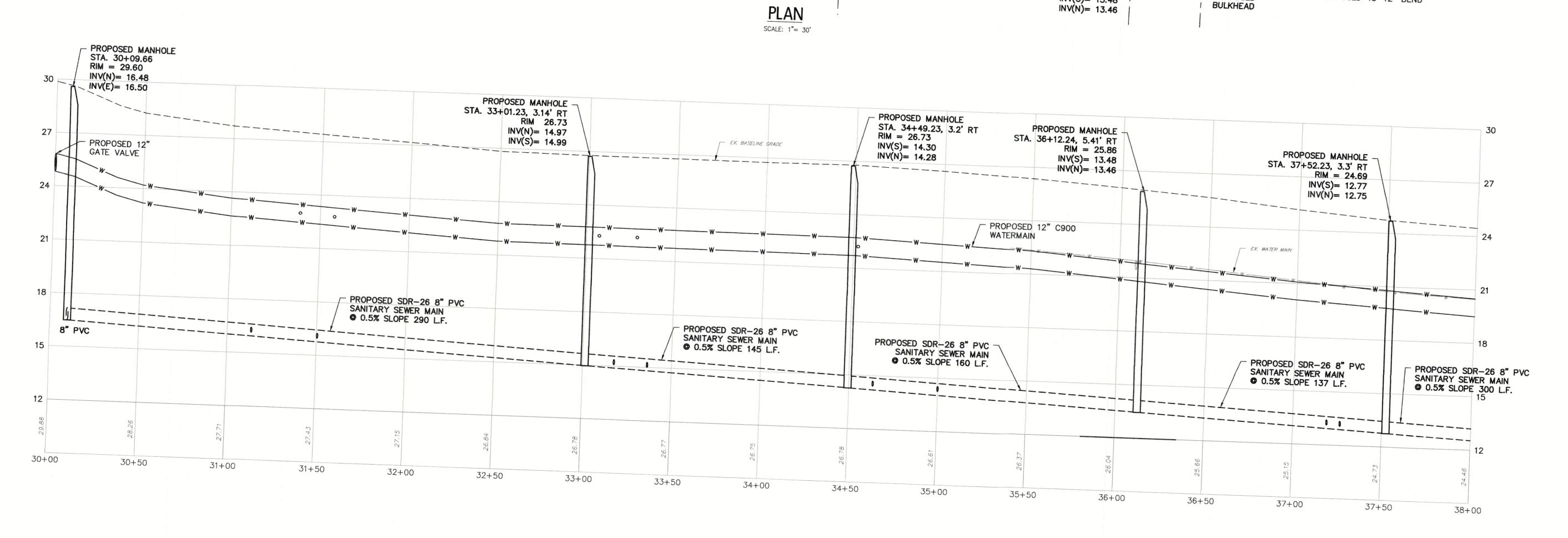
04-26-2023

JOB No.: 4 of 16

MCDNT015

PID 16-00-14496-00-5 N/F PASCAL LISA M SECOND STREET 31 PROPOSED MANHOLE STA. 33+01.23, 3.14' RT 00 RIM 26.73 TION PROPOSED INV(S)= 14.99 BULKHEAD PROPOSED INV(N) = 14.9738 45° 12" BEND CUT AND CAP -TION EXISTING 2" WATER LINE 3.97' -PROPOSED 6" SANITARY PROPOSED MANHOLE GRASS AREA PROPOSED SDR-26 8" PVC SANITARY SEWER MAIN SEWER LATERAL WITH CLEANOUT AND CAP TO STA. 34+49.23, 5.34' RT PROPOSED SDR-26 8" PVC @ 0.5% SLOPE 145 L.F. PROPOSED HYDRANT PROPOSED MANHOLE PROPERTY LINE (TYP.) SANITARY SEWER MAIN 12" C900 -INV(S)= 14.30 INV(N)= 14.28 - PROPOSED 1 1/2" I.P.S. WATERMAIN @ 0.5% SLOPE 290 L.F. STA. 37+52.23, 5.45' RT SERVICE LINE INSTALLED PROPOSED SDR-26 8" PVC SANITARY SEWER MAIN RIM = 24.69TO PROPERTY LINE WITH PROPOSED SDR-26 8" PVC SANITARY SEWER MAIN

0 0.5% SLOPE 160 L.F. PROPOSED MANHOLE INV(S)= 12.77 WATER METER PIT (W-300) STA. 36+12.24, 5.41' RT @ 0.5% SLOPE 137 L.F. INV(N) = 12.75(TYP.) RIM = 25.86PROPOSED 45° 12" BEND INV(S) = 13.48- PROPOSED



NOTES

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PROFILE

SCALE: 1"= 3' VERT. SCALE: 1"= 30' HORIZ.

GRAPHIC SCALE

(IN FEET)

1 inch = 30 ft.

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BELLEVUE BUILDING
262 CHAPMAN ROAD, SUITE 105

DATE: 7-19-2023
CHRISTOPHER J. FAZIO
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STREET PLAN & PROFILE
TA. 30+00 - 38+00

TOWN OF DENTON
RAND SEWER 2023 EXTENSION PROJECT

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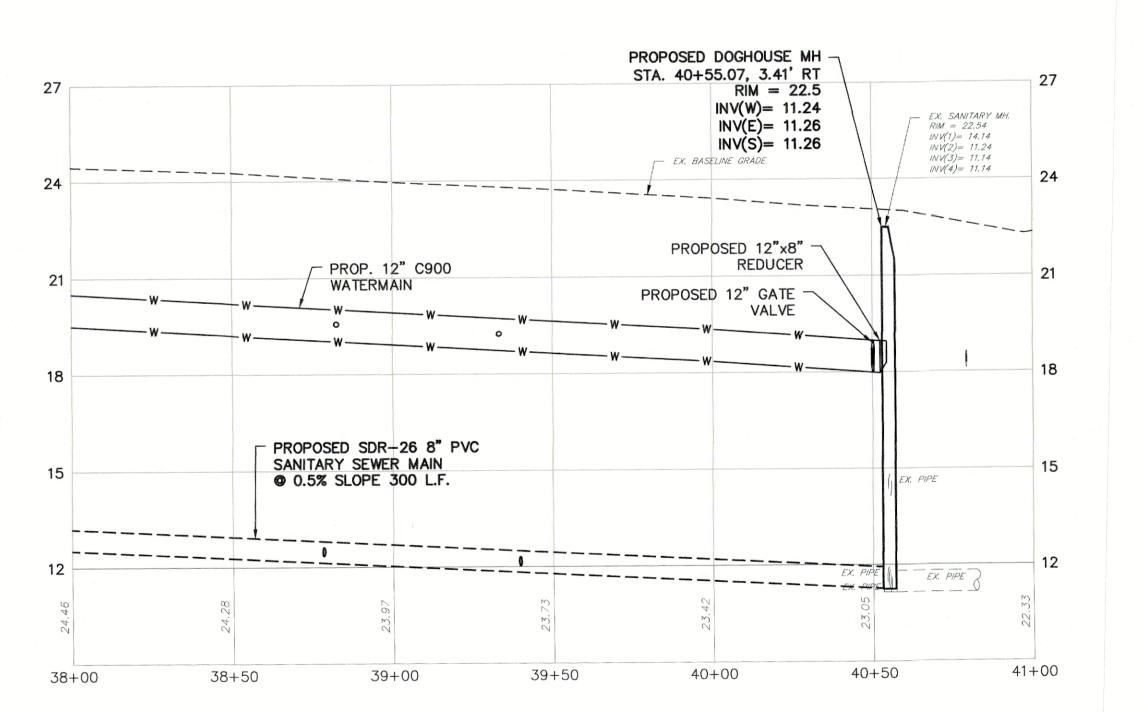
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PROPOSED DOGHOUSE MH -STA. 40+55.07, 7.13' RT RIM = 22.5SECOND STREET INV(W) = 11.24INV(E) = 11.26INV(S) = 11.26PROPOSED 1 1/2" I.P.S. -SERVICE LINE INSTALLED PROPOSED 12"x8" TO PROPERTY LINE WITH - EX. SANITARY MH. RIM = 22.54 INV(1)= 14.14 INV(2)= 11.24 INV(3)= 11.14 GRASS REDUCER WATER METER PIT (W-300) CONCRETE MONUMENT PROPOSED 12" TO GATE VALVE TION PROPOSED SDR-26 8" PVC SANITARY SEWER MAIN 1052 L.F. 12" C900 ^{__} NEW PAVING © 0.5% SLOPE 300 L.F. WATERMAIN MAG NAIL (SET) BM N 441649.53 6 SIES DRIV PROPOSED 6" SANITARY -SEWER LATERAL WITH CLEANOUT AND CAP TO E 1644074.24 ELEV.= 23.19 PROPERTY LINE (TYP.) **PLAN**

SCALE: 1"= 30'



PROFILE

SCALE: 1"= 3' VERT.

SCALE: 1"= 30' HORIZ.

GRAPHIC SCALE

(IN FEET)

1 inch = 30 ft.

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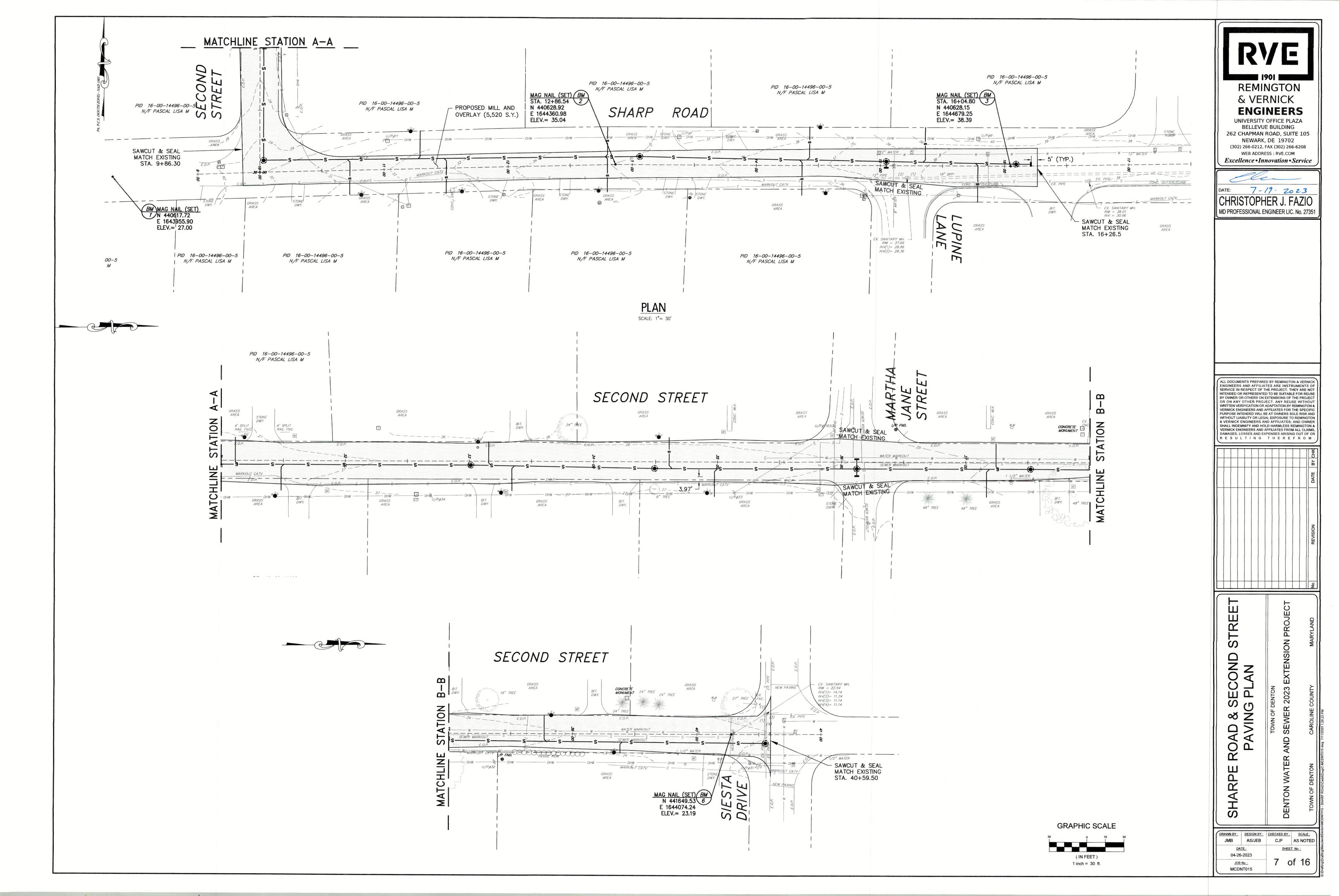
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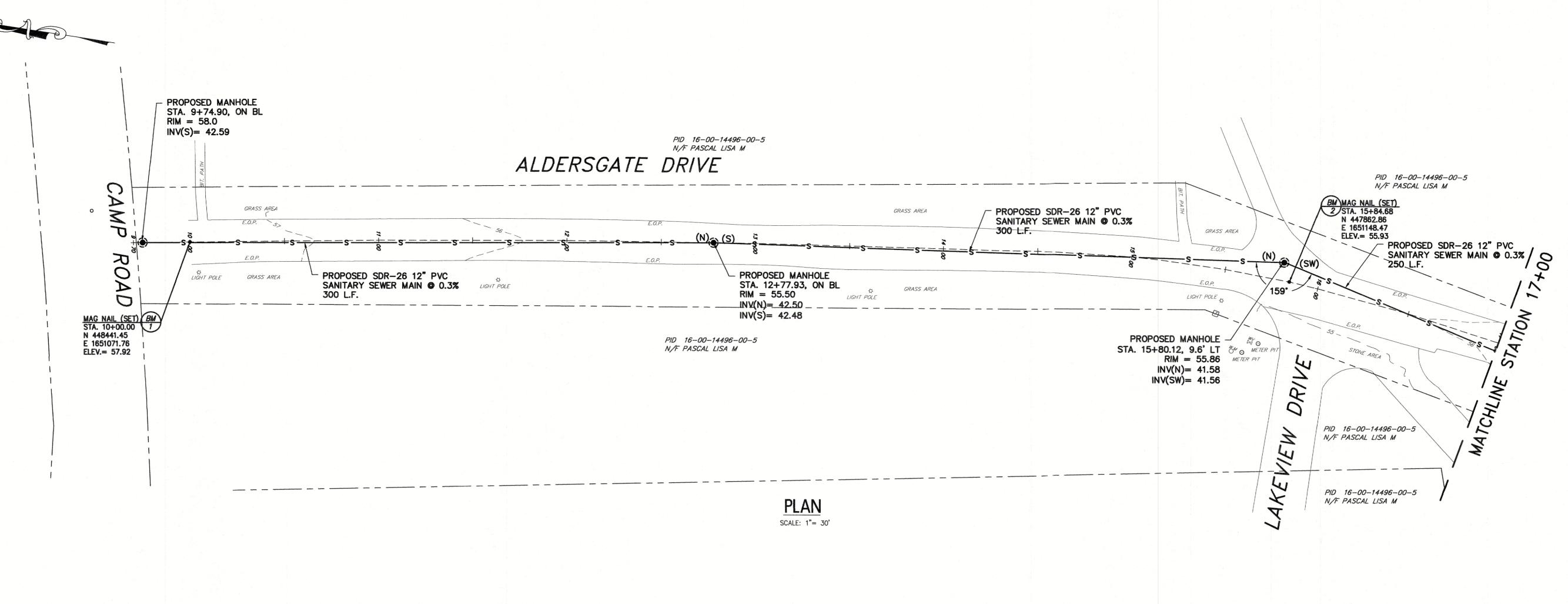
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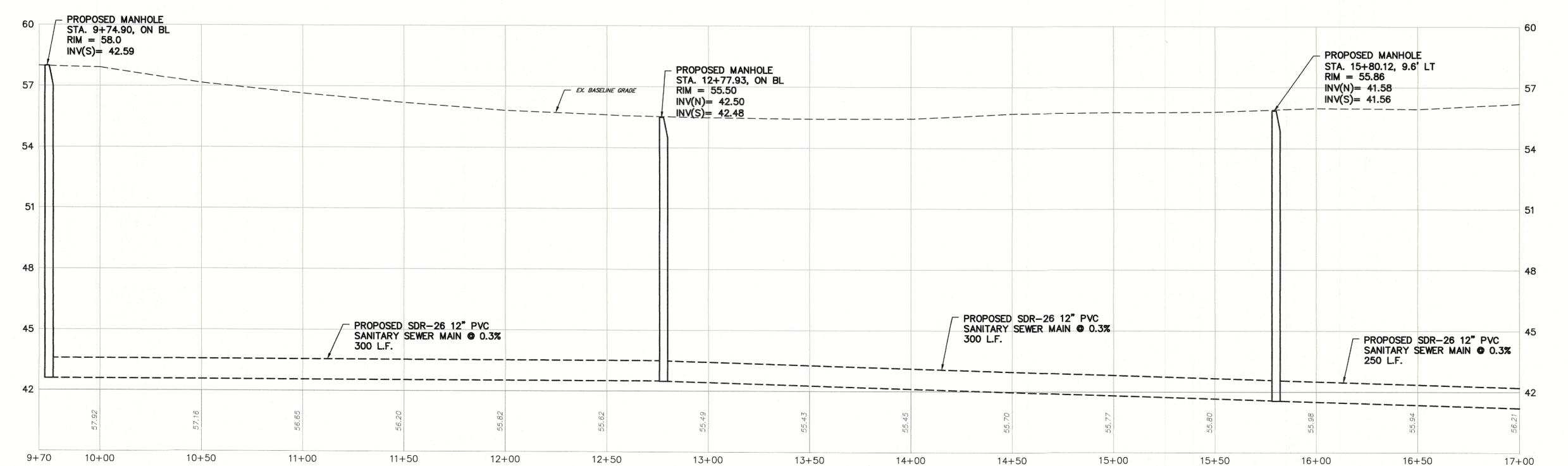
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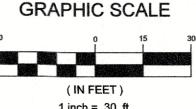


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TOWN OF DENTON
SEWER 2023 EXTENSION PROJECT

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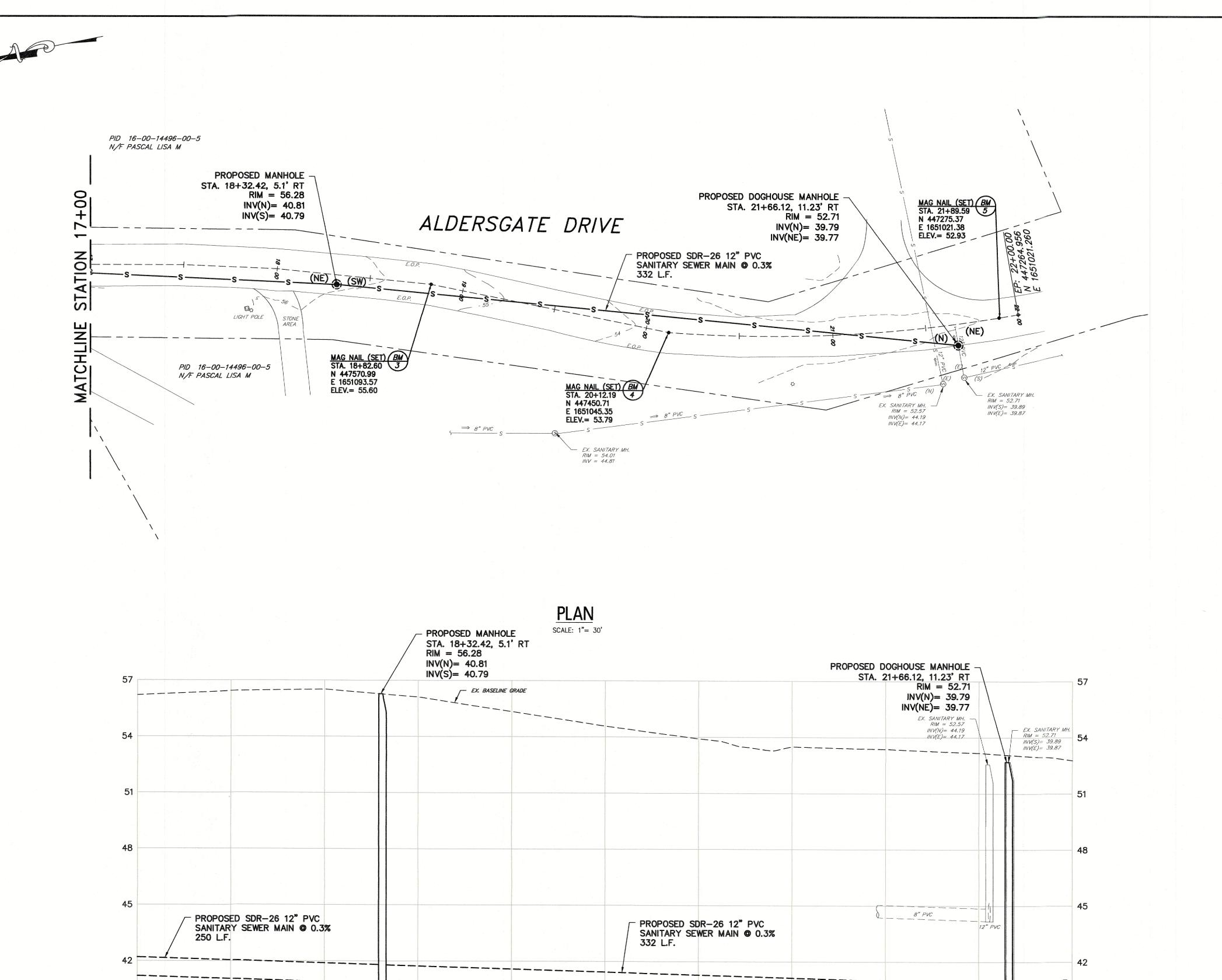
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17+00 - 22+00

TOWN OF DENTON
SEWER 2023 EXTENSION PROJECT

DENTON WATER AND SEWER 2

GRAPHIC SCALE

1 inch = 30 ft.

PROFILE

19 + 00

17+00

17 + 50

18+00

18 + 50

SCALE: 1"= 3' VERT. SCALE: 1"= 30' HORIZ.

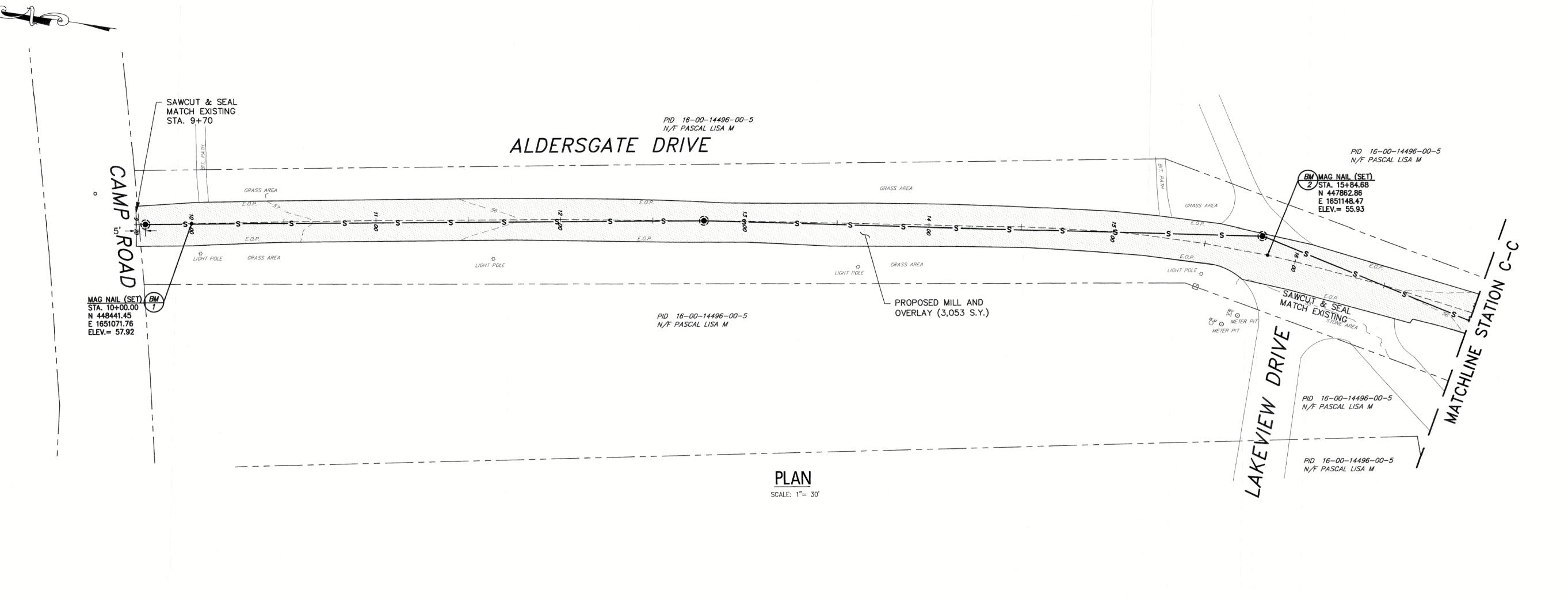
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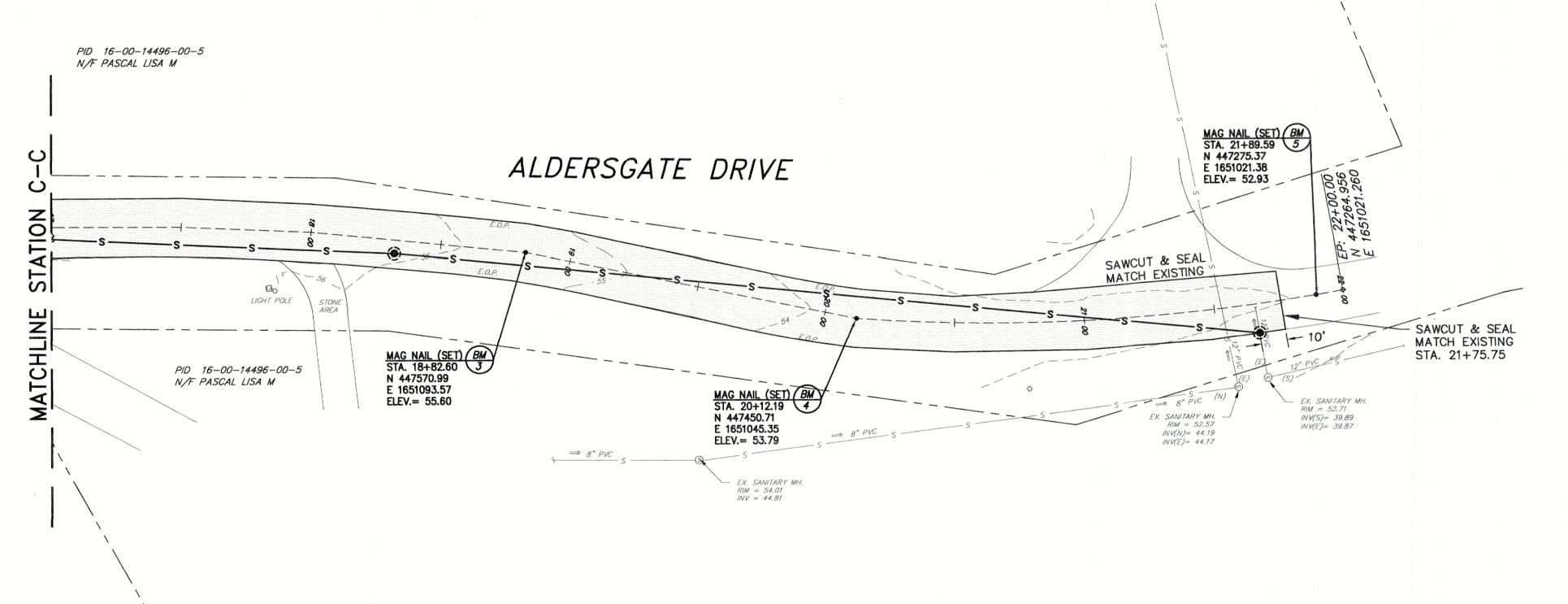
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GRAPHIC SCALE 1 inch = 30 ft.

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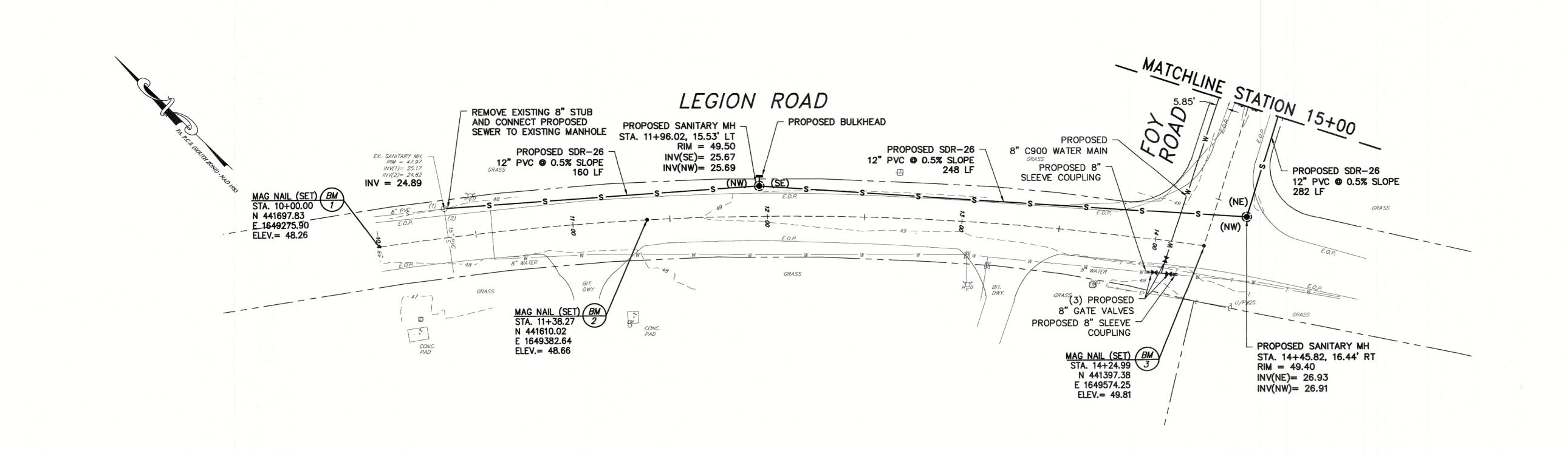
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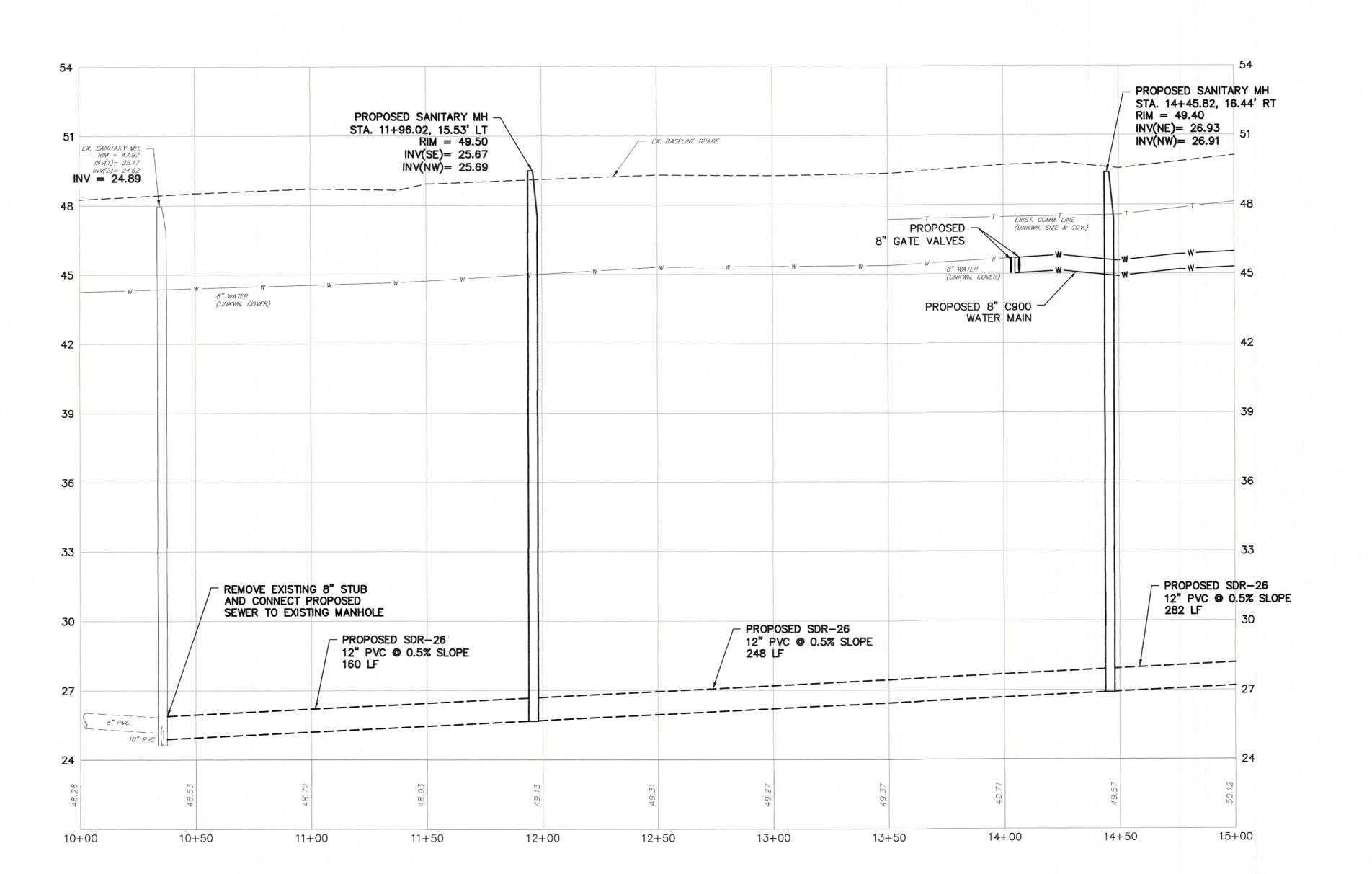
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PLAN

SCALE: 1"= 30'

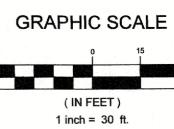


NOTEC.

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SCALE: 1"= 30' HORIZ.



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No. REVISION DATE BY CHI

ROAD PLAN & PROFILE

TA. 10+00 - 15+00

Town of Denton

A AND SEWER 2023 EXTENSION PROJECT

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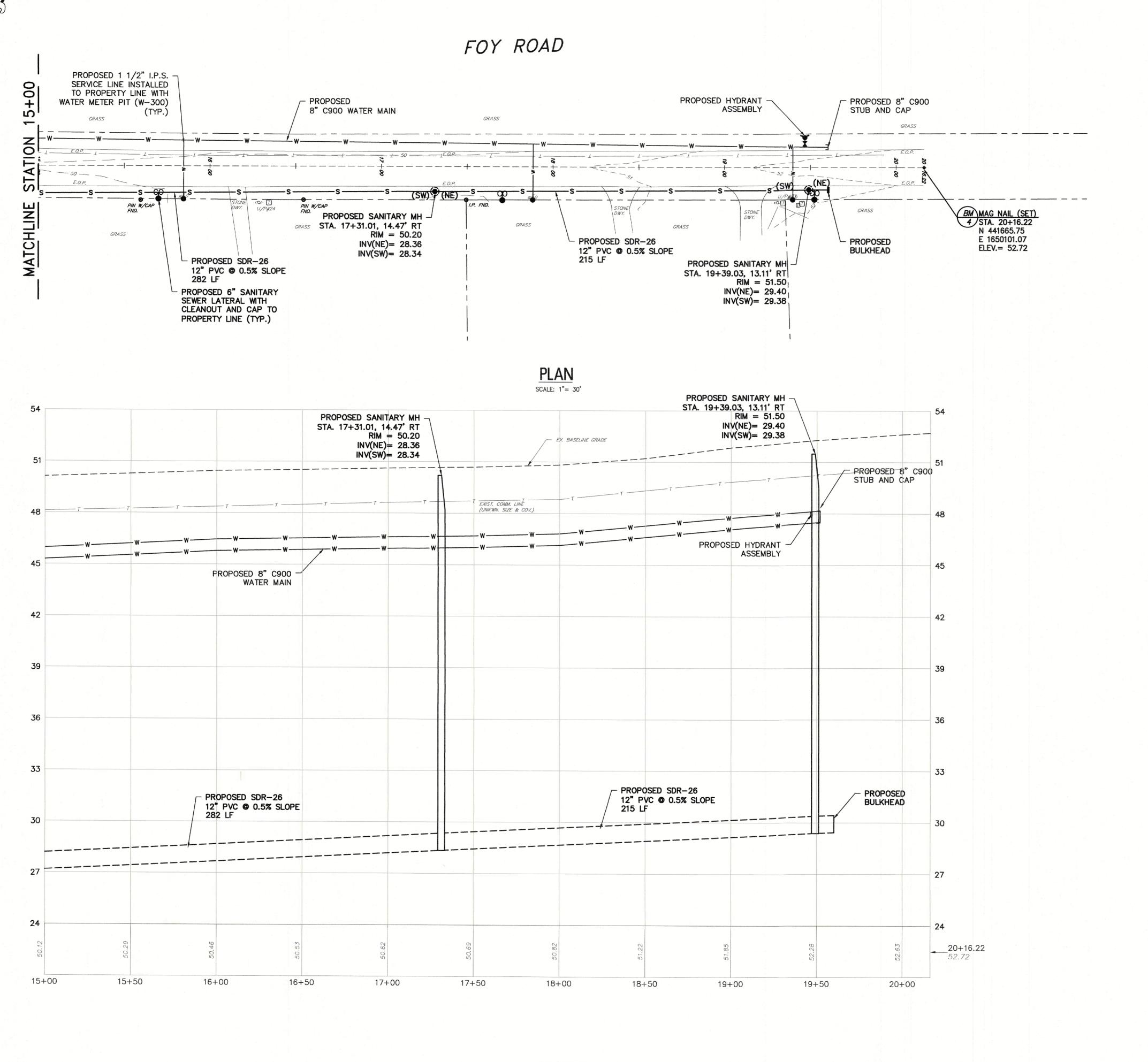
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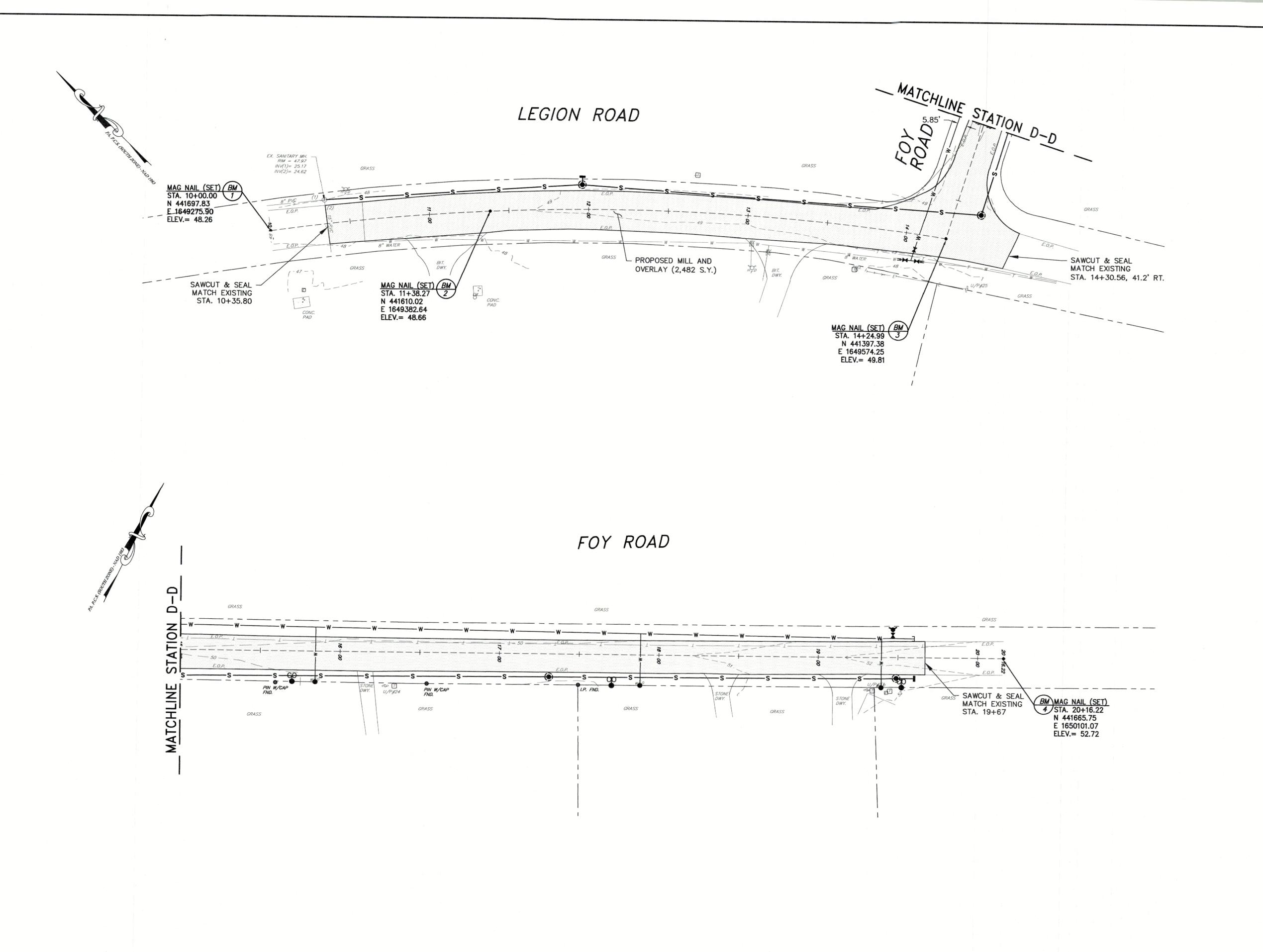
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SCALE: 1"= 3' VERT. SCALE: 1"= 30' HORIZ.



GRAPHIC SCALE

(IN FEET)

1 inch = 30 ft.

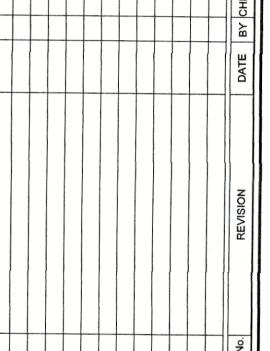
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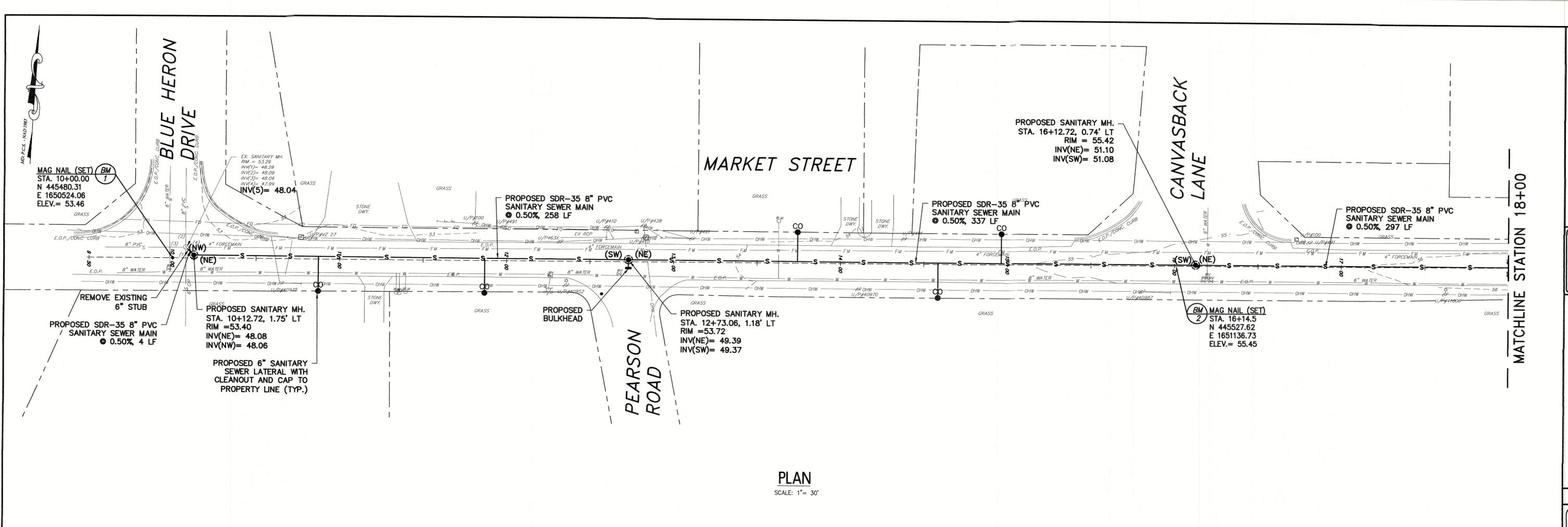
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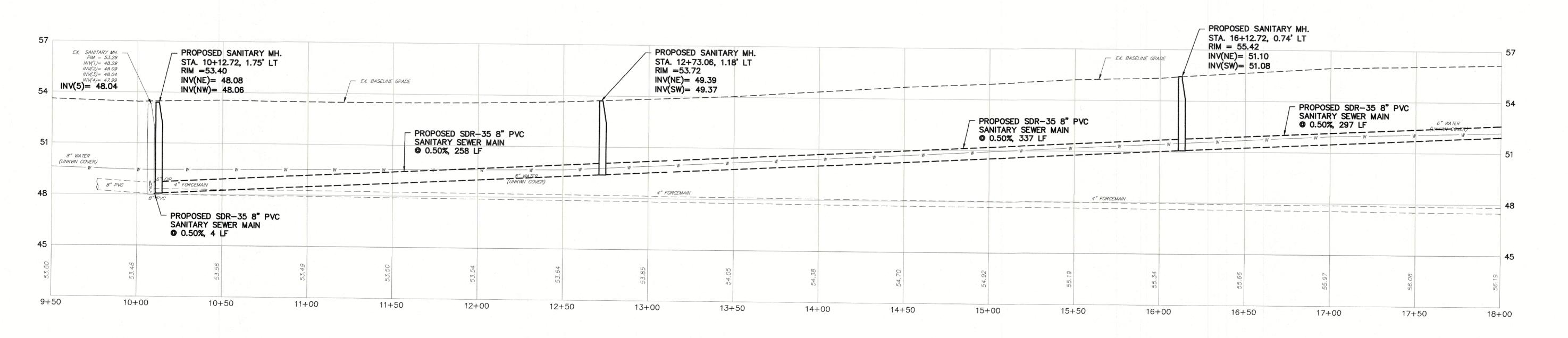
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 13 of 16





NOTES

1. THE HORIZONTAL DATUM IS BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM (NAD-1983 / 2011 ADJ.) AND THE VERTICAL DATUM IS BASED ON NAVD-1988 / GEOID 2018 (ADD 0.79 FEET TO THESE ELEVATIONS TO CONVERT TO NGVD-1929 DATUM).

- 2. PROPERTY AND RIGHT—OF—WAY LINES SHOWN ON THESE PLANS ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE TOWN OF DENTON, CAROLINE COUNTY, MARYLAND. ADJOINING PROPERTY AND RIGHT—OF—WAY LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.
- 3. EXISTING TOPOGRAPHIC CONDITIONS WERE SURVEYED BY REMINGTON & VERNICK ENGINEERS. THE SURVEY WORK WAS COMPLETED ON JUNE 17, 2022.
- 4. THIS PLAN AND SURVEY DOES NOT CERTIFY TO THE LOCATION, BOTH HORIZONTAL AND VERTICAL OF ANY UNDERGROUND UTILITY OR STRUCTURE THAT WAS NOT EXPOSED FOR DIRECT MEASUREMENT.

PROFILE

SCALE: 1"= 3' VERT.

SCALE: 1"= 30' HORIZ.

GRAPHIC SCALE

(IN FEET)

1 inch = 30 ft.

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PROFILE

ON PROJECT

MARYLAND

No. REVISION

DATE BY C.

MARKET STREET PLAN & PROFILE
STA. 10+00 - 18+00

TOWN OF DENTON

JENTON WATER AND SEWER 2023 EXTENSION PROJECT

 DRAWN BY:
 DESIGN BY:
 CHECKED BY:
 SCALE:

 JMB
 AS/JEB
 CJF
 AS NOTED

 DATE:
 SHEET No.:
 SHEET No.:

 04-26-2023
 JOB No.:
 MCDNT015

