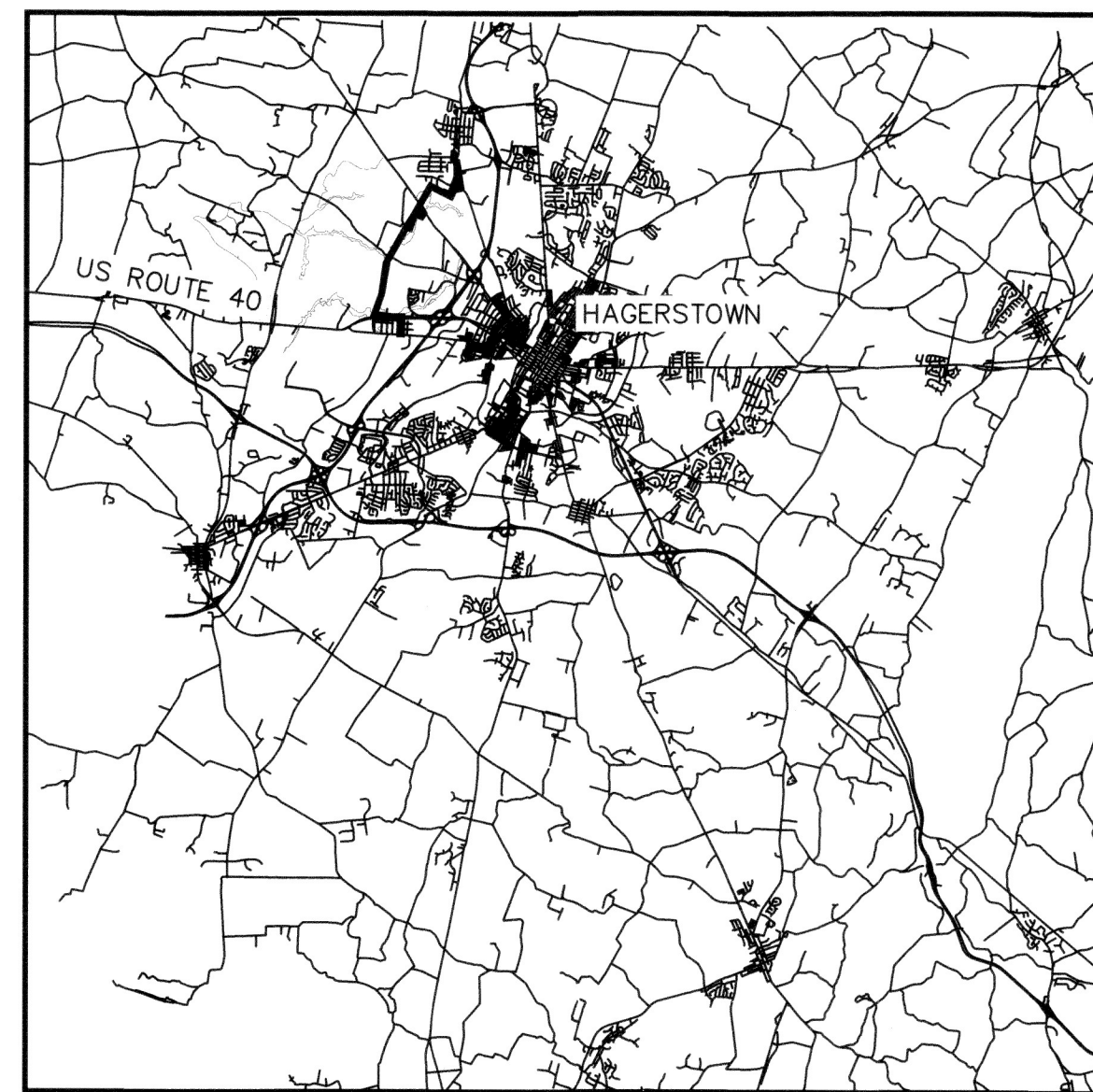


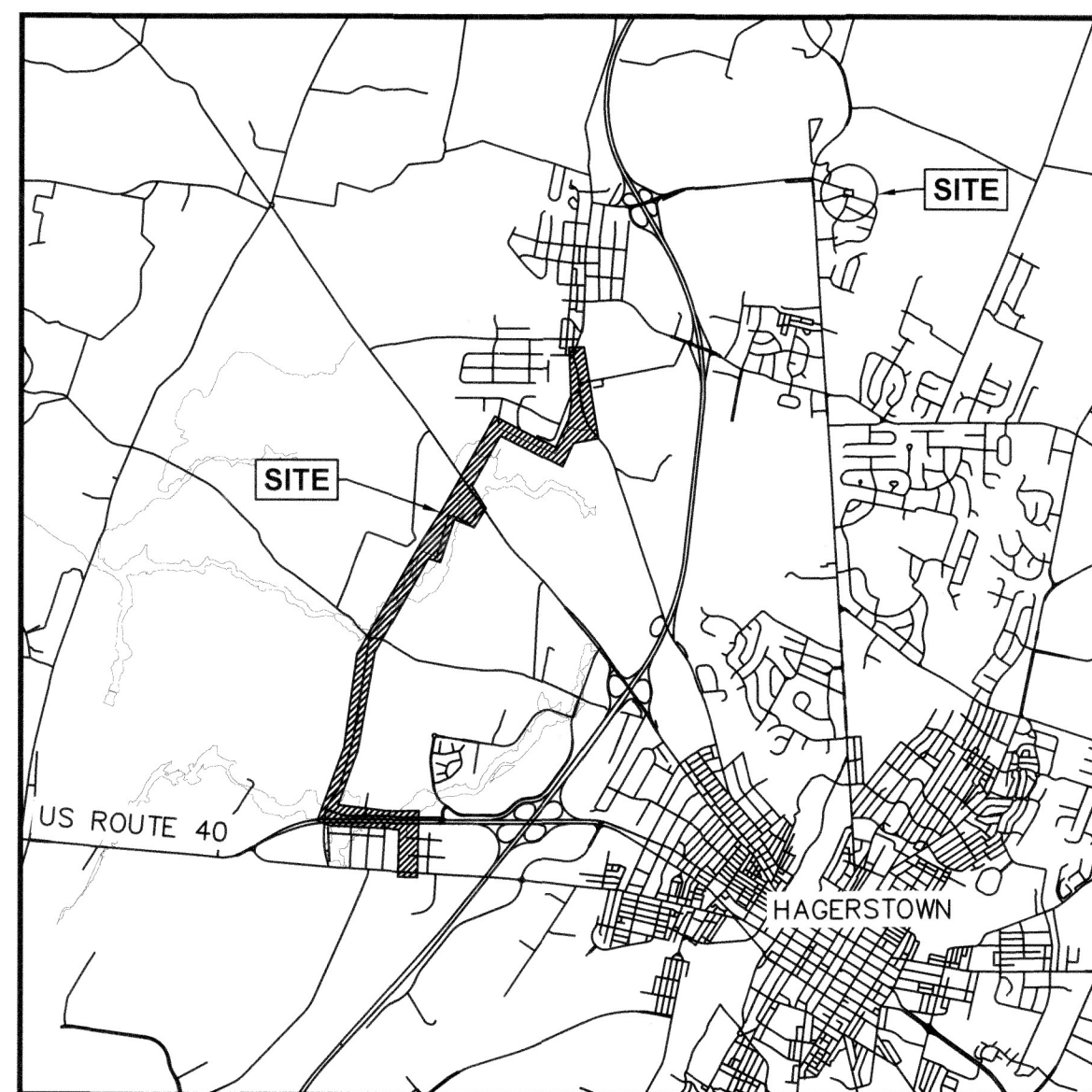
WASHINGTON COUNTY PUMP STATION UPGRADES

100% DESIGN WASHINGTON COUNTY, MARYLAND SITE PLAN SP-21-025 ESD CONCEPT PLAN SWCP-21-020

APPROVED		ENGINEERING
WASHINGTON COUNTY, DIVISION OF PLAN REVIEW AND PERMITTING		
	5/5/22	
SIGNATURE	DATE	
WASHINGTON COUNTY SOIL CONSERVATION DISTRICT SOIL EROSION AND SEDIMENT CONTROL PLAN APPROVAL		
BY: 		
DATE: 5/16/22		
(PLAN IS VALID FOR TWO YEARS FROM DATE OF APPROVAL)		



VICINITY MAP
1" = 15,000'



LOCATION MAP
1" = 5,000'

SHEET LIST

SHEET LIST

SHEET LIST

SHEET LIST

DRAWING NO.	SHEET	DRAWING TITLE
G-001	1	TITLE SHEET AND LOCATION MAP
G-002	2	GENERAL NOTES AND LEGEND
G-003	3	KEY MAP
C-101	4	FARM LANE PUMP STATION EXISTING CONDITIONS / PROPOSED SITE PLAN
C-102	5	MAUGANSVILLE ROAD PUMP STATION EXISTING CONDITIONS PLAN
C-103	6	MAUGANSVILLE ROAD PUMP STATION PROPOSED SITE PLAN
C-104	7	MAUGANSVILLE ROAD FORCEMAIN ROUTING TO MAUGANS MEADOWS STA. 0+00 TO 15+00
C-105	8	MAUGANSVILLE ROAD FORCEMAIN ROUTING TO MAUGANS MEADOWS STA. 15+00 TO 26+00
C-106	9	MAUGANSVILLE ROAD FORCEMAIN ROUTING TO MAUGANS MEADOWS STA. 26+00 TO 38+00
C-107	10	MAUGANSVILLE ROAD FORCEMAIN ROUTING TO MAUGANS MEADOWS STA. 38+00 TO 47+00
C-108	11	MAUGANSVILLE ROAD FORCEMAIN ROUTING TO MAUGANS MEADOWS STA. 47+00 TO 55+12
C-109	12	MAUGANS MEADOWS PUMP STATION EXISTING CONDITIONS / PROPOSED SITE PLAN
C-110	13	MAUGANS MEADOWS GRAVITY MAIN ROUTING TO NEW REGIONAL STA. 27+50 TO 41+90
C-111	14	MAUGANS MEADOWS GRAVITY MAIN ROUTING TO NEW REGIONAL STA. 12+50 TO 27+50
C-112	15	MAUGANS MEADOWS GRAVITY MAIN ROUTING TO NEW REGIONAL STA. 0+00 TO 12+50
C-113	16	NEW REGIONAL PUMP STATION SITE PLAN AND DRIVEWAY PLAN
C-114	17	NEW REGIONAL PUMP STATION ACCESS DRIVEWAY PLAN
C-115	18	NEW REGIONAL PROPOSED FORCEMAIN ROUTING STA. 0+00 TO 12+50
C-116	19	NEW REGIONAL PROPOSED FORCEMAIN ROUTING STA. 12+50 TO 26+00
C-117	20	NEW REGIONAL PROPOSED FORCEMAIN ROUTING STA. 26+00 TO 38+00

DRAWING NO.	SHEET	DRAWING TITLE
C-118	21	NEW REGIONAL PROPOSED FORCEMAIN ROUTING STA. 38+00 TO 51+00
C-119	22	NEW REGIONAL PROPOSED FORCEMAIN ROUTING STA. 51+00 TO 65+50
C-120	23	NEW REGIONAL PROPOSED FORCEMAIN ROUTING STA. 65+50 TO 77+50
C-121	24	NEW REGIONAL PROPOSED FORCEMAIN ROUTING STA. 77+50 TO 86+00
C-122	25	NEW REGIONAL PROPOSED FORCEMAIN ROUTING STA. 86+00 TO 100+00
C-123	26	NEW REGIONAL PROPOSED FORCEMAIN ROUTING STA. 100+00 TO 112+50
C-124	27	NEW REGIONAL PROPOSED GRAVITY MAIN ROUTING STA. 0+00 TO 11+39
C-125	28	FARM LANE PUMP STATION DETAILS I
C-126	29	FARM LANE PUMP STATION DETAILS II
C-127	30	MAUGANSVILLE ROAD PUMP STATION DETAILS I
C-128	31	MAUGANSVILLE ROAD PUMP STATION DETAILS II
C-129	32	NEW REGIONAL PUMP STATION DETAILS I
C-130	33	NEW REGIONAL PUMP STATION DETAILS II
C-131	34	E&S CONTROL KEY MAP
C-132	35	E&S CONTROL PLAN I
C-133	36	E&S CONTROL PLAN II
C-134	37	E&S CONTROL PLAN III
C-135	38	E&S CONTROL PLAN IV
C-136	39	E&S CONTROL PLAN V
C-137	40	E&S CONTROL PLAN VI
C-138	41	E&S CONTROL PLAN VII
C-505	42	SEWER MAIN CONNECTION DETAILS I
C-506	43	SEWER MAIN CONNECTION DETAILS II
C-507	44	SEWER MAIN CONNECTION DETAILS III

DRAWING NO.	SHEET	DRAWING TITLE
C-512	45	E&S STANDARD NOTES AND DETAILS I
C-513	46	E&S STANDARD NOTES AND DETAILS II
C-514	47	E&S STANDARD NOTES AND DETAILS III
C-515	48	STORMWATER MANAGEMENT PLAN & DETAILS
A-101	49	FARM LANE PUMP STATION ARCHITECTURAL DEMOLITION AND NEW WORK PLAN
S-001	50	STRUCTURAL NOTES
S-002	51	STRUCTURAL DETAILS
S-101	52	FARM LANE PUMP STATION STRUCTURAL DEMOLITION PLANS AND SECTION I
S-102	53	FARM LANE PUMP STATION STRUCTURAL PLAN AND SECTION II
S-103	54	FARM LANE VALVE VAULT STRUCTURAL PLANS SECTION & DETAILS
S-104	55	MAUGANSVILLE ROAD/NEW REGIONAL PUMP STATION STRUCTURAL PLAN AND SECTION
H-101	56	FARM LANE PUMP STATION HVAC DEMOLITION AND NEW PLANS
H-102	57	MAUGANSVILLE ROAD PUMP STATION HVAC DEMOLITION AND NEW PLAN
E-001	58	ELECTRICAL GENERAL NOTES, LEGENDS, AND ABBREVIATIONS
E-101	59	FARM LANE PUMP STATION ELECTRICAL SITE PLAN DEMOLITION AND NEW WORK
E-102	60	MAUGANSVILLE ROAD PUMP STATION ELECTRICAL SITE PLAN
E-103	61	NEW REGIONAL PUMP STATION ELECTRICAL SITE PLAN - I
E-104	62	NEW REGIONAL PUMP STATION ACCESS DRIVEWAY ELECTRICAL SITE PLAN - II
E-105	63	FARM LANE PUMP STATION ELECTRICAL DEMOLITION PLAN - I
E-106	64	FARM LANE PUMP STATION ELECTRICAL DEMOLITION PLAN - II
E-107	65	FARM LANE PUMP STATION ELECTRICAL NEW WORK PLAN - CONTROL ROOM
E-108	66	FARM LANE PUMP STATION UNDERGROUND VAULT NEW WORK PLAN
E-109	67	MAUGANSVILLE ROAD PUMP STATION ELECTRICAL DEMOLITION PLAN

DRAWING NO.	SHEET	DRAWING TITLE
E-110	68	MAUGANSVILLE ROAD PUMP STATION ELECTRICAL NEW WORK PLAN - CONTROL ROOM
E-601	69	FARM LANE PUMP STATION ELECTRICAL ONE LINE DIAGRAM AND DETAILS
E-602	70	FARM LANE PUMP STATION ELECTRICAL SCHEDULES
E-603	71	MAUGANSVILLE PUMP STATION ELECTRICAL ONE LINE DIAGRAM AND DETAILS
E-604	72	MAUGANSVILLE PUMP STATION ELECTRICAL SCHEDULES AND DETAILS
E-605	73	NEW REGIONAL PUMP STATION ELECTRICAL ONE LINE DIAGRAM
E-606	74	NEW REGIONAL PUMP STATION ELECTRICAL SCHEDULES AND DETAILS
E-607	75	ELECTRICAL DETAILS I
E-608	76	ELECTRICAL DETAILS II

DISTURBED AREA QUANTITY

THE TOTAL AREA TO BE DISTURBED SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE APPROXIMATELY 12.8 ± ACRES AND THE TOTAL AMOUNT OF EXCAVATION AND FILL SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE APPROXIMATELY 47,500 CU. YDS. OF EXCAVATION AND APPROXIMATELY 38,600 CU. YDS. OF FILL.

NOTE:

A COMPLETE SET OF APPROVED PLANS AND A COPY OF THE GRADING PERMIT MUST BE ON SITE AND AVAILABLE FOR USE BY THE INSPECTOR, OR OTHER REPRESENTATIVE OF WASHINGTON COUNTY DIVISION OF PUBLIC WORKS.

APPROVED FOR CONSTRUCTION
DEPUTY DIRECTOR OF ENGINEERING SERVICES FOR WASHINGTON COUNTY, MD

4-5-22 30,706 Mark D Bradshaw
DATE REG. NO. SIGNATURE

OWNER/DEVELOPER'S CERTIFICATION

I/WE HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND IN ACCORDANCE WITH THE STORMWATER MANAGEMENT ORDINANCE OF WASHINGTON COUNTY AND THE POLICY ON CONSTRUCTION OF SUBDIVISION INFRASTRUCTURE FOR ACCEPTANCE AND OWNERSHIP BY WASHINGTON COUNTY (S-3).

4-5-22 Mark Bradshaw Mark D Bradshaw
DATE PRINTED NAME SIGNATURE

OWNER/DEVELOPER'S CERTIFICATION

I/WE CERTIFY THAT ALL ANY RESPONSIBLE PARTIES FOR CLEARING, GRADING, CONSTRUCTION, AND/OR DEVELOPMENT WI BE DONE PURSUANT TO THIS PLAN AND RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT THE MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SOIL EROSION AND SEDIMENT.

4-5-22 Mark Bradshaw Mark D Bradshaw
DATE PRINTED NAME SIGNATURE

ENGINEER CERTIFICATION – EROSION CONTROL

I HEREBY CERTIFY THAT THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL HAS BEEN DESIGNED IN ACCORDANCE WITH LOCAL ORDINANCES, COMAR 26.17.01.07, MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

4/29/2022 15453 Jeffrey Anzard
DATE REG. NO. SIGNATURE

SITE LOCATIONS:

FARM LANE PUMP STATION
14135 PENNSYLVANIA AVENUE,
HAGERSTOWN, MD 21742
ZONING: AG - AGRICULTURE
ELECTION DISTRICT: 27
TAX MAP: 0024, GRID: 0005
PARCEL NO.: 0571
WATERSHED: 02140502 ANTIETAM CREEK

MAUGANSVILLE ROAD PUMP STATION
13635 MAUGANSVILLE ROAD,
HAGERSTOWN, MD 21740
ZONING: HI - HIGHWAY INTERCHANGE
ELECTION DISTRICT: 13
TAX MAP: 0024, GRID: 0015
PARCEL NO.: 00439
WATERSHED: 02140504 CONOCOCHEAQUE CREEK

MAUGANS MEADOWS PUMP STATION
13500 ELAINE'S WAY,
HAGERSTOWN, MD 21740
ZONING: RT - RESIDENTIAL TRANSITIONAL
ELECTION DISTRICT: 13
TAX MAP: 0024, GRID: 0014
PARCEL NO.: 0520
WATERSHED: 02140504 CONOCOCHEAQUE CREEK

NEW REGIONAL PUMP STATION
13240 GEARFOSS PIKE,
HAGERSTOWN, MD 21740
ZONING: RT - RESIDENTIAL TRANSITIONAL
ELECTION DISTRICT: 13
TAX MAP: 0037, GRID: 0002
PARCEL NO.: 0102
WATERSHED: 02140504 CONOCOCHEAQUE CREEK

OWNER/DEVELOPER:

BOARD OF COUNTY COMMISSIONERS FOR
WASHINGTON COUNTY, MD
AGENT: MARK BRADSHAW, P.E.
16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795
TELEPHONE: 240-313-2615
FAX NO.: 240-313-2601

ENGINEER:

EA ENGINEERING, SCIENCE, & TECHNOLOGY, INC., PBC
CONTACT: REGINA CAGLE IRR, P.E.
225 SCHILLING CIRCLE, SUITE 400
HUNT VALLEY, MARYLAND 21031
TELEPHONE: (410) 584-7000

SWM SHEET 1 OF 2

WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES

16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795

WASHINGTON COUNTY, MARYLAND

TITLE SHEET AND LOCATION MAP



EA Engineering, Science,
and Technology, Inc., PBC
Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

DATE: APRIL 2022

PROJECT NUMBER: 1556701

G-001

SHEET: 1 OF 76

FILE PATH: Q:\PROJECTS\1560701 - WASHINGTON CO. FARMACUPRODUCTION\DESIGN SET\1560701 - TITLE.DWG (15-000) PERRY, JEFF 4/26/2022 2:27 PM

GENERAL NOTES

1. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS THAT THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND TRANSPORTATION NECESSARY FOR THE PROPER EXECUTION OF THE WORK IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND ALL INCIDENTAL WORK NECESSARY TO COMPLETE THE PROJECT IN AN ACCEPTABLE MANNER, READY FOR USE, OCCUPANCY OR OPERATION BY THE WASHINGTON COUNTY DEPARTMENT OF WATER QUALITY (DEPARTMENT). THE WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, PUMP STATION UPGRADES AT THE FARM LANE AND MAUGANSVILLE ROAD PUMP STATIONS, CONSTRUCTION OF NEW REGIONAL PUMP STATION, AND INSTALLATION OF FORCEMAIN AND GRAVITY MAIN AS NOTED THROUGH THE CONTRACT DRAWINGS.
2. PRIOR TO CONSTRUCTION ON A PROJECT, A COMPLETE LIST OF MATERIALS MUST BE SUBMITTED TO THE DEPARTMENT FOR APPROVAL. ONLY THOSE APPROVED MATERIALS SHALL BE UTILIZED ON THE PROJECT. NO SUBSTITUTIONS SHALL BE MADE DURING CONSTRUCTION.
3. IN ORDER TO PROPERLY COORDINATE THE INSPECTION SERVICES PROVIDED BY THE DEPARTMENT WITH THE SCHEDULE OF CONSTRUCTION ACTIVITIES, THE DEPARTMENT REQUIRES NOTIFICATION 72 HOURS PRIOR TO CONSTRUCTION. SHOULD THE CONTRACTOR DELAY OPERATING FOR A PERIOD OF TIME, THE DEPARTMENT SHALL REQUIRE NOTIFICATION 72 HOURS PRIOR TO CONTINUING OPERATIONS.
4. WASHINGTON COUNTY OBSERVES THE FOLLOWING LEGAL HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING'S BIRTHDAY, PRESIDENT'S DAY, GOOD FRIDAY, MEMORIAL DAY, JUNETEENTH DAY, INDEPENDENCE DAY, LABOR DAY, VETERAN'S DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING, CHRISTMAS EVE, CHRISTMAS DAY, AND NEW YEAR'S EVE. THE CONTRACTOR SHALL BE PERMITTED TO WORK ON THESE HOLIDAYS ONLY IN EMERGENCY SITUATIONS. SHOULD INSPECTION BY THE DEPARTMENT BE REQUIRED ON ANY OF THESE HOLIDAYS, INSPECTION SERVICES SHALL BE INVOICED AT TWO TIMES THE HOURLY RATE.
5. THE 40-HOUR WORK WEEK SHALL BE MONDAY THROUGH FRIDAY. THE CONTRACTOR MUST SUBMIT TO THE DEPARTMENT IN WRITING, AND WITH 48 HOURS ADVANCE NOTICE, ANY REQUEST FOR ADDITIONAL WORK HOURS ABOVE AND BEYOND THE NORMAL 40-HOUR WORK WEEK. SHOULD INSPECTION BY THE DEPARTMENT BE APPROVED IN EXCESS OF THE NORMAL WORK HOURS, INSPECTION SERVICES SHALL BE INVOICED AT ONE TIMES THE HOURLY RATE.
6. ALL WORK THAT MAY BE CALLED FOR IN THE SPECIFICATIONS AND NOT SHOWN ON THE DRAWINGS OR SHOWN ON THE DRAWINGS AND NOT CALLED FOR IN THE SPECIFICATIONS SHALL BE EXECUTED AND FURNISHED BY THE CONTRACTOR, AS IF DESCRIBED IN BOTH THESE WAYS, AND SHOULD ANY WORK OR MATERIAL BE REQUIRED, WHICH IS NOT DEFINED IN THE SPECIFICATIONS OR DRAWINGS EITHER DIRECTLY OR INDIRECTLY, BUT WHICH IS NEVERTHELESS NECESSARY FOR THE PROPER EXECUTION OF THE INTENT THEREOF, THE CONTRACTOR IS TO UNDERSTAND THE THINGS TO BE IMPLIED AND REQUIRED, AND SHALL PERFORM ALL SUCH WORK AND FURNISH ANY SUCH MATERIAL AS FULLY AS IF THEY WERE PARTICULARLY DELINEATED OR DESCRIBED.
7. ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND THE SPECIFICATIONS AND SITE CONDITIONS OR ANY INCONSISTENCIES OR AMBIGUITIES IN THE DRAWINGS OR SPECIFICATIONS SHALL BE IMMEDIATELY REPORTED TO THE DEPARTMENT, IN WRITING. WORK PERFORMED BY THE CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCIES, INCONSISTENCIES OR AMBIGUITIES WITHOUT REPORTING TO THE DEPARTMENT, SHALL BE PERFORMED AT THE CONTRACTOR'S RISK.
8. THE DEPARTMENT, THEIR REPRESENTATIVES AND THE REPRESENTATIVES OF ANY GOVERNMENTAL BODY OR AGENCY HAVING JURISDICTION WILL, AT ALL TIMES HAVE ACCESS AND OBSERVATION OF THE WORK. CONTRACTOR SHALL PROVIDE PROPER AND SAFE FACILITIES FOR SUCH ACCESS AND OBSERVATION OF THE WORK AND ALSO FOR ANY INSPECTION OR TESTING THEREOF BY OTHERS. NO WORK WILL BE PERFORMED WITHOUT THE DEPARTMENT HAVING NOTICE THEREOF AND ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE DEPARTMENT.
9. THE CONSTRUCTION DRAWINGS ARE NOT TO BE CONSIDERED AS ALL INCLUSIVE. THEY DO NOT INDICATE EVERY FITTING, ELBOW, OFFSET, VALVE, ETC., WHICH WILL BE REQUIRED TO COMPLETE THE JOB. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS, AS REQUIRED FOR THE USE OF CONTRACTOR'S MECHANICS, TO ENSURE PROPER INSTALLATION.
10. IF ANY WORK IS COVERED CONTRARY TO THE WRITTEN REQUEST OF DEPARTMENT OR WITHOUT THE DEPARTMENT'S HAVING TIMELY WRITTEN NOTICE THAT SUCH WORK IS BEING PERFORMED, IT MUST, IF REQUESTED BY DEPARTMENT, BE UNCOVERED FOR THE DEPARTMENT'S OBSERVATION AND REPLACED AT CONTRACTOR'S EXPENSE.
11. IF ANY WORK, THE PERFORMANCE OF WHICH THE DEPARTMENT HAS GIVEN WRITTEN NOTICE, HAS BEEN COVERED WITHOUT THE DEPARTMENT OBSERVING IT PRIOR TO ITS BEING COVERED, OR IF DEPARTMENT OR OWNER'S OR OWNER'S REPRESENTATIVE CONSIDERS IT NECESSARY OR ADVISABLE THAT COVERED WORK BE INSPECTED OR TESTED BY OTHERS, CONTRACTOR, AT DEPARTMENT'S REQUEST, SHALL UNCOVER, EXPOSE, OR OTHERWISE MAKE AVAILABLE FOR OBSERVATION, INSPECTION OR TESTING AS DEPARTMENT MAY REQUIRE, THAT PORTION OF THE WORK IN QUESTION, FURNISHING ALL NECESSARY LABOR, MATERIAL AND EQUIPMENT.
12. THE ENGINEER WILL ISSUE, WITH REASONABLE PROMPTNESS, SUCH WRITTEN CLARIFICATIONS OR INTERPRETATIONS OF THE STANDARD SPECIFICATIONS AS HE OR SHE MAY DETERMINE NECESSARY, WHICH SHALL BE CONSISTENT WITH OR REASONABLY INFERRABLE FROM THE OVERALL INTENT OF THE PROJECT.
13. THE DEPARTMENT'S REPRESENTATIVE WILL HAVE AUTHORITY TO DISAPPROVE OR REJECT WORK WHICH IS "DEFECTIVE" (WHICH TERM IS HEREINAFTER USED TO DESCRIBE WORK THAT IS UNSATISFACTORY, FAULTY OR DEFECTIVE), DOES NOT CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, OR HAS BEEN DAMAGED PRIOR TO APPROVAL OF FINAL PAYMENT. THE DEPARTMENT'S REPRESENTATIVE WILL ALSO HAVE AUTHORITY TO REQUIRE SPECIAL INSPECTION OR TESTING OF THE WORK WHETHER OR NOT THE WORK IS FABRICATED, INSTALLED OR COMPLETED.
14. DEPARTMENT WILL NOT BE RESPONSIBLE FOR CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENT THERETO, AND DEPARTMENT DOES NOT GUARANTEE THE PERFORMANCE OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
15. DEPARTMENT WILL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF CONTRACTOR, OR ANY SUBCONTRACTORS, OR ANY OF THEIR AGENTS OR EMPLOYEES, OR ANY OTHER PERSONS AT THE SITE OR OTHERWISE PERFORMING ANY OF THE WORK.
16. ALL WORK REQUIRING CHANGES TO OR AFFECTING EXISTING UTILITIES, OR AFFECTING THEIR OPERATION, SHALL BE PERFORMED IN A MANNER AND TIME APPROVED BY THE DEPARTMENT. REQUESTS TO DO SUCH WORK SHALL BE SUBMITTED TO THE DIVISION AT LEAST THREE (3) CALENDAR DAYS PRIOR TO THE TIME THAT SUCH WORK IS TO BE PERFORMED.
17. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES INCLUDING, BUT NOT LIMITED TO, WATER, STEAM, OIL, GAS MAINS, SANITARY AND STORM SEWERS, TELEPHONE AND ELECTRIC CONDUITS WHICH MAY BE ENCOUNTERED IN THE PERFORMANCE OF THE WORK. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND STRUCTURES. THE CONTRACTOR SHALL, AT CONTRACTOR'S OWN EXPENSE, ARRANGE WITH THE OWNERS OF SUCH UTILITIES FOR LOCATING THEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION AGAINST DAMAGE TO UTILITIES ENCOUNTERED DURING THE COURSE OF CONSTRUCTION.
18. ROCK IS EXPECTED TO BE ENCOUNTERED DURING EXCAVATION. CONTRACTOR TO ADHERE TO ROCK REMOVAL REQUIREMENTS AND SPECIFICATIONS. THE CONTRACTOR SHALL GIVE NOTICE TO THE DEPARTMENT AND STATE FIRE MARSHAL PRIOR TO USING ANY EXPLOSIVES. SUCH EXPLOSIVES SHALL BE STORED, HANDLED AND USED AS PRESCRIBED BY THE FEDERAL, STATE AND/OR LOCAL AUTHORITIES HAVING JURISDICTION OVER SUCH STORAGE AND USE. THE CONTRACTOR SHALL COMPLY WITH ALL SPECIAL RULES AND REGULATIONS THAT MAY BE IN EFFECT AT THE TIME THE WORK IS ACTUALLY DONE. THE CONTRACTOR SHALL OBTAIN THE PERMISSION OF THE STATE FIRE MARSHAL BEFORE STORING AND USING ANY EXPLOSIVES.
19. THE CONTRACTOR SHALL AT ALL TIMES TAKE NECESSARY STEPS TO PROTECT AND PRESERVE ALL MATERIALS, SUPPLIES, EQUIPMENT AND WORK WHICH HAS BEEN PERFORMED. SHOULD WORK BE SUSPENDED TEMPORARILY BECAUSE OF INCLEMENT WEATHER OR OTHER CAUSES, THE CONTRACTOR SHALL TAKE SUCH STEPS AS ARE NECESSARY TO PROTECT MATERIALS, SUPPLIES, EQUIPMENT AND WORK PERFORMED. WORK NOT PROPERLY PROTECTED SHALL BE REMOVED AND REPLACED AT THE EXPENSE OF THE CONTRACTOR.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF, AND SHALL PROVIDE THE NECESSARY PROTECTION TO PREVENT DAMAGE, INJURY OR LOSS TO, ALL EMPLOYEES ON THE WORK AND OTHER PERSONS WHO MAY BE AFFECTED THEREBY, ALL THE WORK AND ALL MATERIALS OR EQUIPMENT TO BE INCORPORATED THEREIN, WHETHER IN STORAGE ON OR OFF THE SITE, AND OTHER PROPERTY AT THE SITE OR ADJACENT THERETO, INCLUDING UTILITIES NOT DESIGNATED FOR REMOVAL, RELOCATION OR REPLACEMENT IN THE COURSE OF CONSTRUCTION.
21. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY OR TO PROTECT THEM FROM DAMAGE, INJURY OR LOSS.

22. ALL FORCEMAINS AND SANITARY SEWERS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE WASHINGTON COUNTY DEPARTMENT OF WATER QUALITY'S STANDARD SPECIFICATIONS AND CONTRACT DOCUMENTS.
23. CONTRACTOR SHALL NOTIFY MISS UTILITY AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO HAVE UNDERGROUND UTILITIES MARKED. UTILITIES SHOWN HEREON ARE APPROXIMATE AND WERE OBTAINED FROM FIELD RUN SURVEY AND AVAILABLE WASHINGTON COUNTY GIS DATA.
24. A PRE-CONSTRUCTION MEETING SHALL BE HELD 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK. ALL UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR TO HAVE ALL UTILITIES MARKED PRIOR TO COMMENCING WORK.
25. UTILITY OUTAGES SUCH AS WATER, GAS, COMMUNICATIONS, AND ELECTRIC MAY BE REQUIRED. CONTRACTOR IS REQUIRED TO COORDINATE WITH ALL PROVIDERS FOR REPAIR OR SCHEDULED SHUT DOWN.
26. ALL WORK IS TO BE PERFORMED WITHIN THE RIGHT OF WAYS AND WITHIN ANY SEWER EASEMENTS. ALL OTHER WORK OUTSIDE OF THESE AREAS WILL REQUIRE COORDINATION WITH THE DEPARTMENT FOR APPROVED PROCEDURES, ACCESS, AND PERMISSIONS.
27. ALL WORK TO BE PERFORMED WITHIN WASHINGTON COUNTY PUBLIC RIGHT OF WAY OTHER THAN STATE HIGHWAY ADMINISTRATION PROPERTY SHALL BE IN STRICT ACCORDANCE WITH THE CONDITIONS OF THE SPECIAL UTILITY INSTALLATION PERMIT ISSUED BY WASHINGTON COUNTY. ALL WORK TO BE PERFORMED ON MARYLAND STATE HIGHWAY ADMINISTRATION (SHA) PROPERTY SHALL BE IN STRICT ACCORDANCE WITH THE CONDITIONS OF THE ACCESS AND CONSTRUCTION PERMIT ISSUED BY SHA.
28. CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL NECESSARY DURING COMPLETION OF THE WORK. TRAFFIC CONTROL SHALL CONFORM TO THE MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
29. IT IS CRITICAL TO MAINTAIN PUMP STATION IN OPERATION AS NOTED ON INDIVIDUAL PUMP STATION SITE PLANS. CONTRACTOR SHALL PREPARE A PLAN FOR PUMP STATION CONSTRUCTION SEQUENCE AND BYPASS OPERATIONS NECESSARY TO CONTINUE TO CONVEY WASTEWATER THROUGHOUT THE DURATION OF THE WORK AS NOTED. CONTRACTOR SHALL SUBMIT PLAN TO COUNTY FOR REVIEW AND APPROVAL PRIOR TO INITIATION OF ANY WORK. PLAN SHALL IDENTIFY THE ESTIMATED DURATION OF NECESSARY PUMP STATION SHUT DOWNS AND BYPASS OPERATIONS.
30. THE CONTRACTOR IS RESPONSIBLE TO DRAIN ALL SEWAGE FROM PIPES TO BE ABANDONED AS WELL AS CONNECTIONS TO THE EXISTING SYSTEMS; AND PROVIDE ALL REQUIRED MANPOWER, EQUIPMENT, AND DISPOSAL. CONTRACTOR SHALL HAVE EQUIPMENT ONSITE TO ADDRESS THE REMOVAL OF SEWAGE FROM THE LINE. AT NO TIME IS SEWAGE PERMITTED TO ENCOUNTER THE GROUND.
31. DURING CONSTRUCTION CONTRACTOR SHALL NOT ALLOW SEWAGE TO BE RELEASED ONTO THE GROUND. CONTRACTOR IS RESPONSIBLE TO PROVIDE EQUIPMENT, MATERIALS, AND LABOR TO SAFELY COLLECT, STORE, PUMP, TRANSPORT, AND BYPASS SEWAGE ENCOUNTERED AND AS NECESSARY FOR COMPLETION OF THE WORK AS DETAILED IN THESE CONTRACT DOCUMENTS. FOR THE CONTRACTOR'S REFERENCE, AVERAGE AND PEAK DAILY WASTEWATER FLOWS FOR EACH PUMP STATION ARE SUMMARIZED THIS SHEET.
32. EXISTING FENCING MUST BE MAINTAINED AT ALL TIMES. TEMPORARY FENCING MAY BE CONSTRUCTED AT CONTRACTOR'S EXPENSE AS NECESSARY.
33. FIELD RUN SURVEY COLLECTED BY FREDERICK, SEIBERT, & ASSOCIATES, INC. BASED ON SURVEY COLLECTION IN DECEMBER 2018 AND JANUARY 2019 AND IN JANUARY 2020. HORIZONTAL SURVEY DATUM IN MARYLAND NAD83 AND VERTICAL DATUM IN MARYLAND NAVD88.
34. CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING AND ASSOCIATED PERMITTING TO DISCHARGE AS NECESSARY TO COMPLETE THE WORK.
35. CONTRACTOR IS RESPONSIBLE FOR ALL ACTIVITIES RELATING TO CONFINED SPACE ENTRY, REQUIRED PERMITS, TRAINED PERSONNEL AND EQUIPMENT AS REQUIRED BY OSHA AND COUNTY REQUIREMENTS.
36. THE DEPARTMENT SHALL INSPECT ALL FACILITIES DURING CONSTRUCTION TO ENSURE CONFORMANCE TO DESIGN AND SPECIFICATIONS.
37. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY FOR THE PROJECT, PRIOR TO THE START OF CONSTRUCTION. A COPY OF THESE PERMITS SHALL BE SUPPLIED TO THE DEPARTMENT OF WATER QUALITY PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES ASSOCIATED WITH OBTAINING NECESSARY CONSTRUCTION PERMITS.
38. THE CONTRACTOR SHALL COMPLY WITH ALL PERMITS AND APPLICABLE CODES AND REGULATIONS.
39. UPON ACCEPTANCE OF THE SYSTEM BY THE DEPARTMENT OF WATER QUALITY, THE CONTRACTOR SHALL WARRANTY ALL WORK FROM DATE OF ACCEPTANCE FOR A PERIOD OF ONE YEAR.
40. CONTRACTOR IS RESPONSIBLE TO REMOVE AND REPLACE ANY SHRUBBERY AND TREES LOCATED WITHIN THE RIGHT OF WAY, IN ACCORDANCE WITH CONTRACT DOCUMENTS.
41. JACK AND BORE REQUIRED AT VARIOUS LOCATIONS THROUGHOUT THE PROJECT. SENDING AND RECEIVING PITS SHOWN IN CONTRACT DOCUMENTS ARE FOR THE CONTRACTOR'S REFERENCE ONLY. CONTRACTOR SHALL ESTABLISH JACK AND BORE PITS AS NEEDED TO COMPLETE THE WORK AND SHALL MINIMIZE THE SIZE OF PITS AND RELATED DISTURBANCE. ANY BORE PIT ESTABLISHED MUST REMAIN WITHIN THE LOD AND/OR EXISTING UTILITY EASEMENTS SHOWN ON PLANS.
42. FOREST CONSERVATION REQUIREMENTS FOR THIS PROJECT ARE BEING MET OFF-SITE BY COUNTY IN ACCORDANCE WITH FOREST RETENTION EASEMENT PLAT DEVELOPED BY FSA DATED 07-27-2020, MISC PLAT NO. 934 APPROVED BY WASHINGTON COUNTY ON 22 APRIL 2022.

SANITARY SEWER MANHOLE SCHEDULE							
MANHOLE NO.	MANHOLE DIA. (IN)	NORTHING	EASTING	RIM ELEVATION	PIPE OUT	PIPE IN	INVERT ELEVATION
DMH SD 15-701	48"	N 741942.17	E 1110080.80	644.95	8"	8"	633.1 ±
DMH SD 15-100	48"	N 737466.47	E 1102486.46	604.16	15" (NE)		589.87 (NE)
MH 150-1739	48"	N 735386.40	E 1100320.99	583.69	8" (S)	8" (NW)	569.63 (S) 569.73 (NW)
MH 150-1738	60"	N 735363.47	E 1100325.21	582.68	15" (SW)	8" (N) 16" (SE)	568.83 (SW) 569.51 (N) 569.93 (SE)
MH 15-1151	48"	N 735451.88	E 1100237.69	581.80	8" (SW)	15" (NW)	570.58 (SW) 570.10 (NW)
MH 15-1152	60"	N 735439.43	E 1100230.03	581.69	8" (SW)	8" (NE)	570.41 (SW) 570.51 (NE)
MH 150-1737	48"	N 735166.32	E 1100217.22	581.42	15" (SW)	15" (NE)	567.62 (SW) 567.72 (NE)
MH 150-1740	48"	N 735431.26	E 1100225.33	581.10	8" (SE)	8" (NE)	570.26 (SE) 570.36 (NE)
MH 150-1736	48"	N 734945.37	E 1100100.01	578.92	15" (S)	15" (NE)	566.28 (S) 566.38 (NE)
MH 150-1735	48"	N 734731.48	E 1100026.94	577.44	15" (SW)	15" (N) 8" (E)	565.06 (SW) 565.16 (N) 565.80 (E)
MH 150-1734	48"	N 734462.38	E 1099899.58	572.90	15" (SW)	15" (NE)	563.40 (SW) 563.50 (NE)
MH 150-1733	48"	N 734193.30	E 1099712.24	570.27	15" (SW)	15" (NE) 8" (SE)	561.75 (SW) 561.85 (NE) 562.50 (SE)
MH 150-1732	48"	N 733812.71	E 1099487.06	566.78	15" (SW)	15" (NE)	559.45 (SW) 559.55 (NE)
MH 150-1731	48"	N 733597.18	E 1099188.71	565.40	15" (SW)	15" (NE)	557.50 (SW) 557.60 (NE)
MH 180-393	60"	N 723941.08	E 1097759.83	564.19	15" (S)	8" (W) 8" (E) 16" (N)	556.50 (S) 557.11 (W) 557.11 (E) 556.60 (N)
MH 150-1730	48"	N 733337.06	E 1099073.09	563.86	15" (SW)	15" (NE) 8" (NW) 8" (SE)	556.08 (NE) 555.98 (NW) 556.70 (SW) 556.70 (SE)
MH 180-392	48"	N 723709.13	E 1097776.08	562.85	15" (S)	15" (N) 8" (E)	554.08 (S) 554.18 (N) 554.80 (E)
MH 150-1729	48"	N 733076.93	E 1098957.46	562.16	15" (S)	15" (NE) 8" (W) 8" (E)	554.45 (S) 554.55 (NE) 555.20 (W) 555.20 (E)
MH 150-1728	48"	N 732824.94	E 1098877.45	559.44	15" (S)	15" (N) 8" (W) 8" (E)	553.02 (S) 553.12 (N) 553.80 (W) 553.80 (E)
MH 150-1726	48"	N 732097.81	E 1098676.47	558.60	15" (S)	15" (N) 8" (W) 8" (E)	548.70 (S) 548.80 (N) 549.40 (W) 549.40 (E)
MH 150-1727	48"	N 732441.30	E 1098764.23	556.77	15" (S)	15" (N) 8" (W) 8" (E)	550.68 (S) 550.78 (N) 551.40 (W) 551.40 (E)
MH 180-391	48"	N 723470.44	E 1097798.34	553.94	15" (S)	15" (N) 8" (E) 8" (W)	548.06 (S) 548.16 (N) 548.80 (E) 548.80 (W)
MH 150-1725	48"	N 731848.08	E 1098595.92	553.81	15" (S)	15" (N) 8" (W) 8" (E)	544.39 (S) 544.49 (N) 544.90 (W) 544.90 (E)
MH 180-389	48"	N 723046.71	E 1097689.35	552.84	15" (W)	15" (NE) 8" (E)	540.08 (W) 540.18 (NE) 540.80 (E)
MH 180-390	48"	N 723231.54	E 1097806.73	552.75	15" (SW)	15" (N) 8" (E)	545.57 (SW) 545.67 (N) 546.26 (E)
MH 180-388	60"	N 723057.17	E 1097561.70	551.63	15" (S)	15" (E) 8" (N)	535.87 (S) 536.11 (E) 536.78 (N)
MH 180-370	60"	N 722976.50	E 1097557.34	551.54		15" (N)	533.90 (N)

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
BUILDING		NA
CURB		NA
CLEAN OUT	⊙	⊙
EDGE OF GRAVEL		---
EDGE OF DRIVEWAY		---
EDGE OF PAVEMENT		NA
SANITARY SEWER - EASEMENT		---
ELECTRIC LINE	—E—	—E—
ELECTRIC UTILITY MARKING	⊘	⊘
C & P POLE W/ PHONE BOX	⊘	NA
FENCE	—X—	X
FIRE HYDRANT	⊙	NA
GAS LINE	—G—	NA
GROUND EARTH (ROCKY)	⊙	NA
MAILBOX	⊙	NA
MINOR CONTOUR	---100---	---100---
INDEX CONTOUR	---101---	---101---
ISOLATION & AIR RELEASE COMBINATION VALVE	NA	⊘
PROPERTY LINE	---	---
RIPRAP	⊘	NA
RIGHT-OF-WAY	---	---
FORCEMAIN W/ FLOW ARROW	—F—	—F—
SANITARY SEWER GRAVITY MAIN W/ FLOW ARROW	—S—	—S—
SANITARY SEWER - MANHOLE	⊙	⊙
SHRUB	⊙	NA
SIDEWALK	---	NA
SIGN	⊙	NA
STORM PIPE	---	---
STORM STRUCTURE	⊙	NA
STREAM	---	---
SURFACE WATER	---	---
TRAFFIC SIGN	⊙	NA
TRAFFIC BARRIER (GUARD RAIL)	---	---
TREE LINE	---	---
TREE	⊙	NA
TELEPHONE LINE	---	---
WETLAND	---	---
WETLAND BUFFER	---	---
WATER LINE	---	---
WATER VALVE	⊙	NA
WATER METER	⊙	NA
PUMP STATION BUILDING	⊙	⊙
BOLLARD	⊙	⊙
BORING	⊙	⊙
CONCRETE	⊙	⊙
DEMOLITION	⊙	⊙
ABANDONED IN PLACE	⊙	⊙
100-YEAR FLOODPLAIN	---	---
SILT FENCE	---	---
JACK AND BORE PITS	⊙	⊙
CONTRACTORS STAGING AREA	⊙	⊙
FLUSHING CONNECTION	⊙	⊙
LATERALS	---	---
HORIZONTAL BENDS	---	---

FLOW TABLE		
EXISTING FLOW CONDITION		
PUMP STATION	AVG. DAILY FLOW (GPD/GPM)	PEAK DAILY FLOW (GPD/GPM)
FARM LANE	180,360 / 125	721,440 / 500
MAUGANSVILLE ROAD	153,360 / 106	613,440 / 424
MAUGANS MEADOWS	44,280 / 31	177,120 / 123
PROPOSED FLOW CONDITION		
FARM LANE	225,000 / 156	900,000 / 625
MAUGANSVILLE ROAD	585,000 / 406	2,340,000 / 1,625
NEW REGIONAL	630,000 / 440	2,520,000 / 1,760

WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES

16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795

WASHINGTON COUNTY, MARYLAND

GENERAL NOTES AND LEGEND

EA
EA Engineering, Science,
and Technology, Inc., PBC
Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

DATE: APRIL 2022

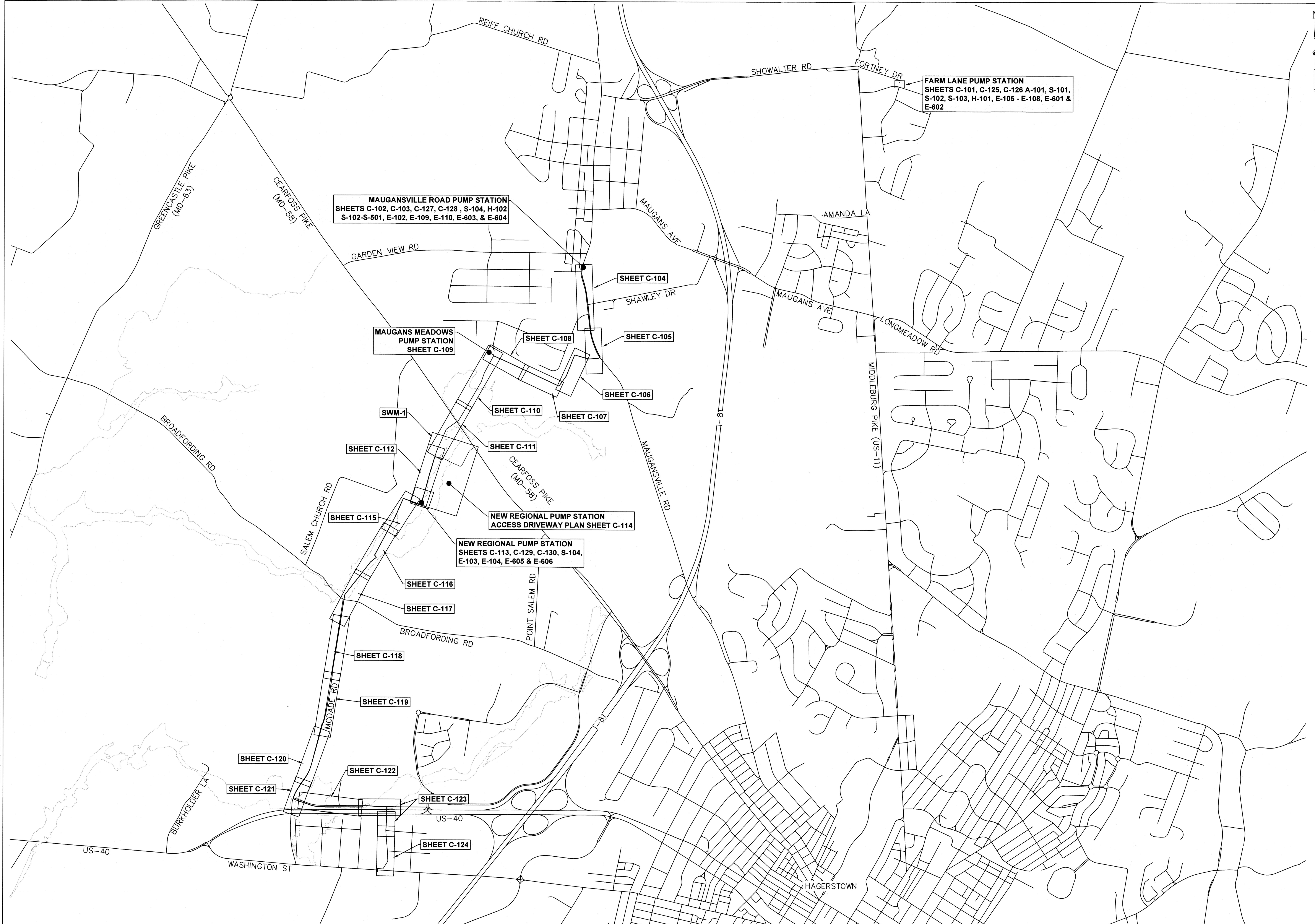
PROJECT NUMBER: 1556701

G-002

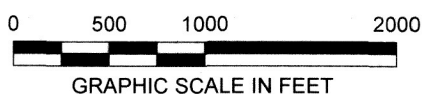
SHEET: 2 OF 76

SP-21-025 / SWCP-21-020

FILE PATH: G:\PROJECTS\1556701 - WASHINGTON CO. FACILITY PRODUCTION\DESIGN SET\1556701 - TITLE.DWG (10-03) PERRY, JEFF 4/26/2022 2:27 PM



PROPOSED FORCE MAIN AND GRAVITY SEWER PLAN - KEY SHEET
SCALE: 1" = 1000'



REVISIONS		DESCRIPTION	
NO.	DATE	BY	

DESIGN INFORMATION				
DESIGNED BY:	RCI/SMD	CHECKED BY:	SMD	PROJECT MANAGER:
DRAWN BY:	SMB/CAG/JRG	CHECKED BY:	SMD	RCI

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15453, EXPIRATION DATE: 7/02/2023.

SEAL: [Professional Seal of J. Perry, State of Maryland, License No. 15453]

WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES
16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795
WASHINGTON COUNTY, MARYLAND

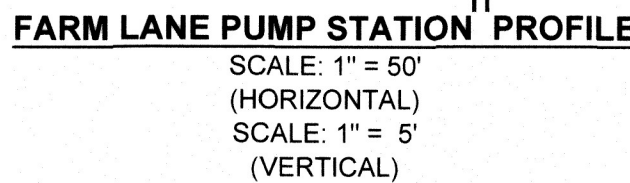
KEY MAP

EA
EA Engineering, Science, and Technology, Inc., PBC
Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

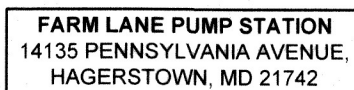
DATE: APRIL 2022
PROJECT NUMBER: 1556701

G-003
SHEET: 3 OF 76

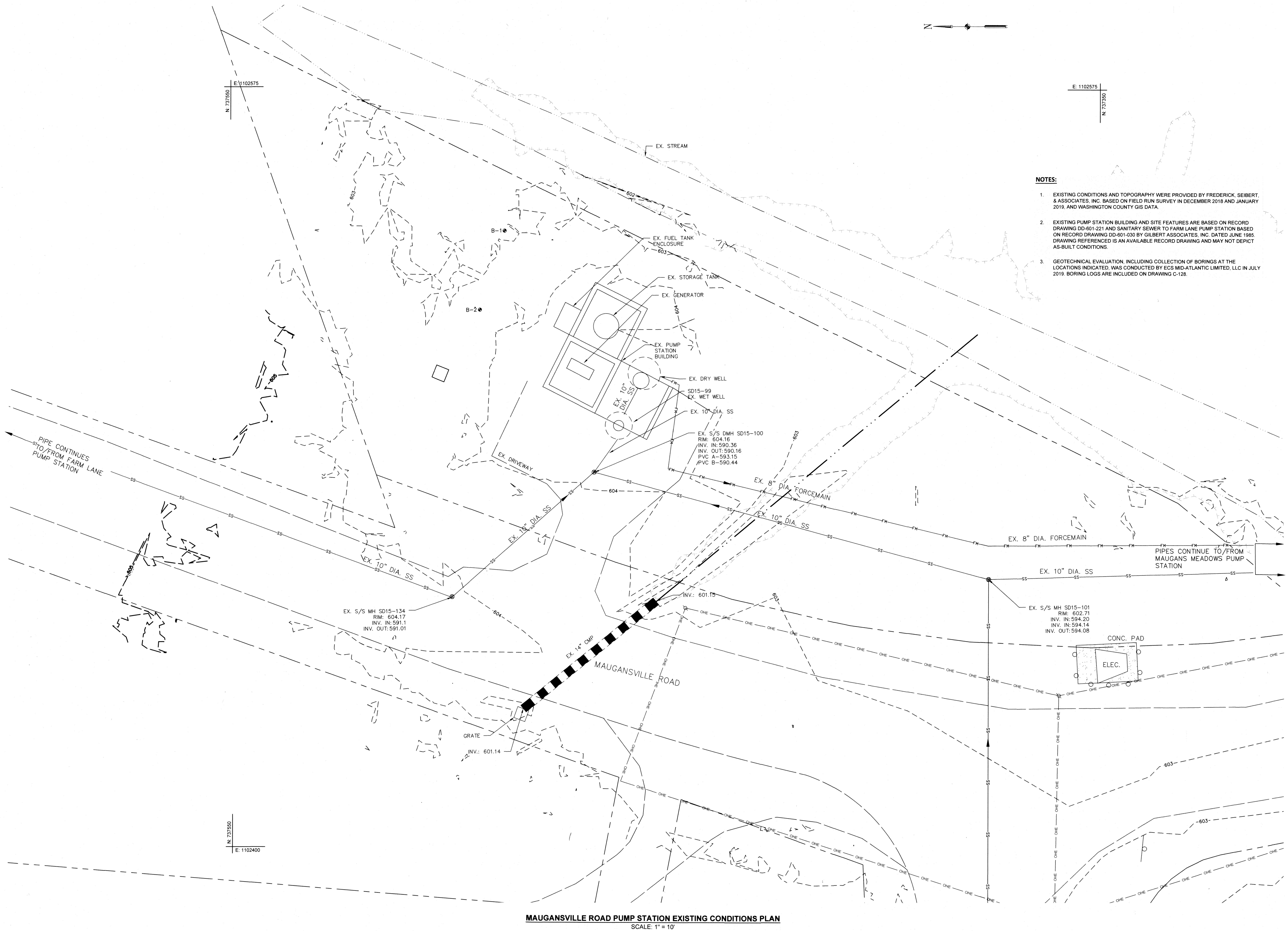
SP-21-025 / SWCP-21-020



- ## SEQUENCE OF CONSTRUCTION:
1. PERFORM PROJECT NOTIFICATIONS AND INSTALLATION OF PERIMETER AND SITE-SPECIFIC EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. PRIOR TO INITIATION OF ANY WORK AT THIS SITE. SEE SHEET C-131 FOR OVERALL EROSION AND SEDIMENT CONTROL PLAN.
 2. INSTALL BYPASS CONNECTION VAULT ON EXISTING FORCEMAIN. SEE DETAIL ON DRAWING C-507.
 3. INSTALL 60" DIA. MANHOLE AT SD 15-701. ESTABLISH TEMPORARY BYPASS BETWEEN BYPASS CONNECTION VAULT AND SD 15-701.
 4. AFTER BYPASS IS IN PLACE, DRAIN EXISTING SEWER PIPING DOWNSTREAM OF DMH SD15-702, WET WELL, DRY WELL, AND FORCEMAIN PIPING. PLUG EFFLUENT LINE FROM MANHOLE SD15-702.
 5. COMPLETE ALL SITE WORK.
 6. AFTER ALL SITE WORK IS COMPLETE, PERFORM PUMP STATION STARTUP AND TESTING.
 7. PUMP STATION SHALL BE INSPECTED BY THE COUNTY FOR ACCEPTANCE. PROVIDE A MINIMUM 48 HOUR NOTICE TO COUNTY FOR SITE INSPECTION.
 8. AFTER SANITARY SEWER PIPE INSTALLATION AND ALL PIPING CONNECTIONS DOWNSTREAM OF THE MAUGAVINSVILLE ROAD PUMP STATION HAVE BEEN INSTALLED AND ACCEPTED BY COUNTY, PERFORM 4 HOUR SEWER SHUTDOWN PERIODS TO PERMANENTLY CONNECT SEWER AND FORCE MAIN PIPING FOR NORMAL STATION OPERATIONS. COORDINATE WITH COUNTY ALL PUMP STATION EQUIPMENT AND FEATURES, AND CONTROLS SHALL BE OPERATIONAL AND APPROVED BY THE COUNTY PRIOR TO BEING PUT INTO SERVICE.
 9. OBTAIN SUBSTANTIAL COMPLETION (14-DAY TEST APPROVAL FROM COUNTY). PLACE THE FARM LANE PUMP STATION ONLINE FOR NORMAL OPERATIONS.
 10. REMOVE TEMPORARY BYPASS SYSTEM
 11. PERFORM PROJECT NOTIFICATIONS AND REMOVAL OF PERIMETER AND SITE-SPECIFIC EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. SEE SHEET C-131 FOR OVERALL EROSION AND SEDIMENT CONTROL PLAN.



FILE PATH: \\NORTON\DCAD\PROJECTS\1556701 - WASHINGTON CO. MAUGANSVILLE ROAD PUMP STATION\DWG (C-102) PERRY, JEFF 4/26/2022 2:28 PM



NOTES:

1. EXISTING CONDITIONS AND TOPOGRAPHY WERE PROVIDED BY FREDERICK, SEIBERT, & ASSOCIATES, INC. BASED ON FIELD RUN SURVEY IN DECEMBER 2018 AND JANUARY 2019, AND WASHINGTON COUNTY GIS DATA.
2. EXISTING PUMP STATION BUILDING AND SITE FEATURES ARE BASED ON RECORD DRAWING DD-601-221 AND SANITARY SEWER TO FARM LANE PUMP STATION BASED ON RECORD DRAWING DD-601-030 BY GILBERT ASSOCIATES, INC. DATED JUNE 1985. DRAWING REFERENCED IS AN AVAILABLE RECORD DRAWING AND MAY NOT DEPICT AS-BUILT CONDITIONS.
3. GEOTECHNICAL EVALUATION, INCLUDING COLLECTION OF BORINGS AT THE LOCATIONS INDICATED, WAS CONDUCTED BY ECS MID-ATLANTIC LIMITED, LLC IN JULY 2019. BORING LOGS ARE INCLUDED ON DRAWING C-128.

WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES

16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795

WASHINGTON COUNTY, MARYLAND

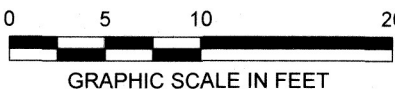
MAUGANSVILLE ROAD PUMP STATION EXISTING CONDITIONS PLAN

EA
EA Engineering, Science,
and Technology, Inc., PBC
Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

DATE: APRIL 2022
PROJECT NUMBER: 1556701

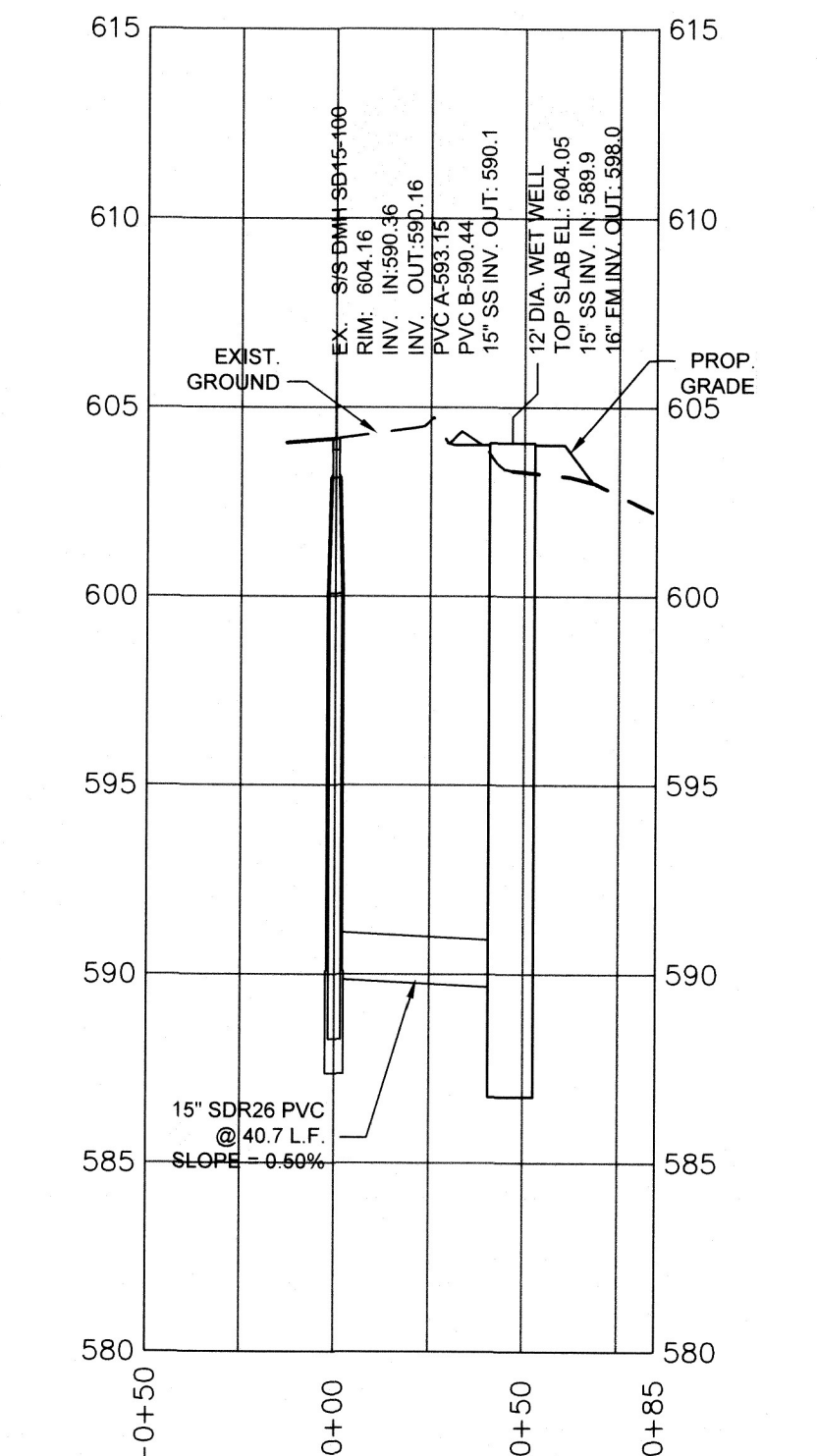
C-102
SHEET: 5 OF 76

MAUGANSVILLE ROAD PUMP STATION
13635 MAUGANSVILLE ROAD,
HAGERSTOWN, MD 21740

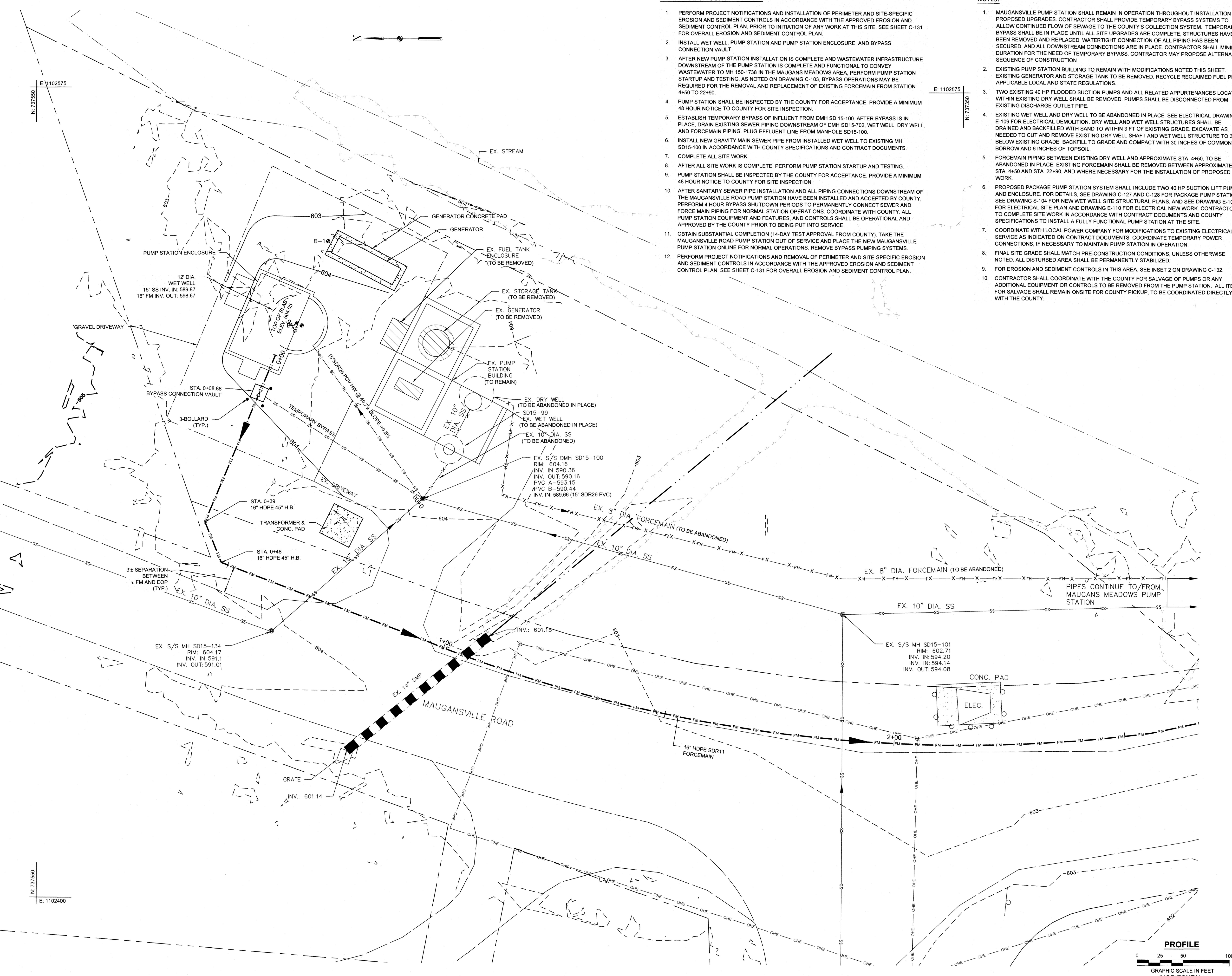


REVISIONS		DESCRIPTION	
NO.	DATE	BY	
DESIGN INFORMATION			
DESIGNED BY:	RC/ISMD		
DRAWN BY:	SMB/CAG/JRG		
CHECKED BY:	SMD		
PROJECT MANAGER:	RCI		
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15453, EXPIRATION DATE: 7/02/2023			
SEAL		4/16/2022	

FILE PATH: \\LOVETON\CONTRACTS\PROJECTS\156701 - WASHINGTON CO. PACAD\PRODUCTION\DESIGN\SET\156701 - PLAN & PROFILE.DWG (C-103) PERRY, JEFF 1/26/2022 2:29 PM



MAUGANSVILLE ROAD PUMP STATION PROFILE
SCALE: 1" = 50'
(HORIZONTAL)
SCALE: 1" = 5'
(VERTICAL)



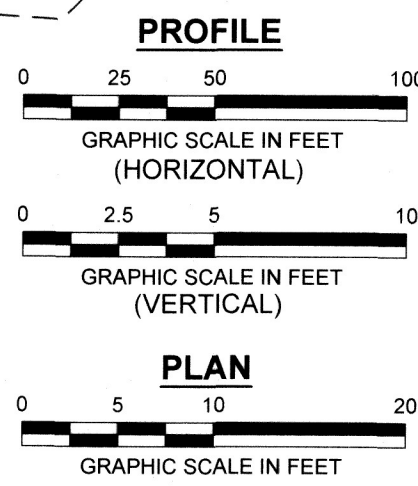
MAUGANSVILLE ROAD PUMP STATION PROPOSED SITE PLAN
SCALE: 1" = 10'

SEQUENCE OF CONSTRUCTION:

1. PERFORM PROJECT NOTIFICATIONS AND INSTALLATION OF PERIMETER AND SITE-SPECIFIC EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, PRIOR TO INITIATION OF ANY WORK AT THIS SITE. SEE SHEET C-131 FOR OVERALL EROSION AND SEDIMENT CONTROL PLAN.
2. INSTALL WET WELL, PUMP STATION AND PUMP STATION ENCLOSURE, AND BYPASS CONNECTION VAULT.
3. AFTER NEW PUMP STATION INSTALLATION IS COMPLETE AND WASTEWATER INFRASTRUCTURE DOWNSTREAM OF THE PUMP STATION IS COMPLETE AND FUNCTIONAL TO CONVEY WASTEWATER TO MH 150-1738 IN THE MAUGANS MEADOWS AREA, PERFORM PUMP STATION STARTUP AND TESTING. AS NOTED ON DRAWING C-103, BYPASS OPERATIONS MAY BE REQUIRED FOR THE REMOVAL AND REPLACEMENT OF EXISTING FORCEMAIN FROM STATION 4+50 TO 22+90.
4. PUMP STATION SHALL BE INSPECTED BY THE COUNTY FOR ACCEPTANCE. PROVIDE A MINIMUM 48 HOUR NOTICE TO COUNTY FOR SITE INSPECTION.
5. ESTABLISH TEMPORARY BYPASS OF INFLUENT FROM DMH SD 15-100. AFTER BYPASS IS IN PLACE, DRAIN EXISTING SEWER PIPING DOWNSTREAM OF DMH SD15-702, WET WELL, DRY WELL, AND FORCEMAIN PIPING. PLUG EFFLUENT LINE FROM MANHOLE SD15-100.
6. INSTALL NEW GRAVITY MAIN SEWER PIPE FROM INSTALLED WET WELL TO EXISTING MH SD15-100 IN ACCORDANCE WITH COUNTY SPECIFICATIONS AND CONTRACT DOCUMENTS.
7. COMPLETE ALL SITE WORK.
8. AFTER ALL SITE WORK IS COMPLETE, PERFORM PUMP STATION STARTUP AND TESTING.
9. PUMP STATION SHALL BE INSPECTED BY THE COUNTY FOR ACCEPTANCE. PROVIDE A MINIMUM 48 HOUR NOTICE TO COUNTY FOR SITE INSPECTION.
10. AFTER SANITARY SEWER PIPE INSTALLATION AND ALL PIPING CONNECTIONS DOWNSTREAM OF THE MAUGANSVILLE ROAD PUMP STATION HAVE BEEN INSTALLED AND ACCEPTED BY COUNTY, PERFORM 4 HOUR BYPASS SHUTDOWN PERIODS TO PERMANENTLY CONNECT SEWER AND FORCE MAIN PIPING FOR NORMAL STATION OPERATIONS. COORDINATE WITH COUNTY. ALL PUMP STATION EQUIPMENT AND FEATURES, AND CONTROLS SHALL BE OPERATIONAL AND APPROVED BY THE COUNTY PRIOR TO BEING PUT INTO SERVICE.
11. OBTAIN SUBSTANTIAL COMPLETION (14-DAY TEST APPROVAL FROM COUNTY). TAKE THE MAUGANSVILLE ROAD PUMP STATION OUT OF SERVICE AND PLACE THE NEW MAUGANSVILLE PUMP STATION ONLINE FOR NORMAL OPERATIONS. REMOVE BYPASS PUMPING SYSTEMS.
12. PERFORM PROJECT NOTIFICATIONS AND REMOVAL OF PERIMETER AND SITE-SPECIFIC EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. SEE SHEET C-131 FOR OVERALL EROSION AND SEDIMENT CONTROL PLAN.

NOTES:

1. MAUGANSVILLE PUMP STATION SHALL REMAIN IN OPERATION THROUGHOUT INSTALLATION OF PROPOSED UPGRADES. CONTRACTOR SHALL PROVIDE TEMPORARY BYPASS SYSTEMS TO ALLOW CONTINUED FLOW OF SEWAGE TO THE COUNTY'S COLLECTION SYSTEM. TEMPORARY BYPASS SHALL BE IN PLACE UNTIL ALL SITE UPGRADES ARE COMPLETE. STRUCTURES HAVE BEEN REMOVED AND REPLACED. WATERTIGHT CONNECTION OF ALL PIPING HAS BEEN SECURED, AND ALL DOWNSTREAM CONNECTIONS ARE IN PLACE. CONTRACTOR SHALL MINIMIZE DURATION FOR THE NEED OF TEMPORARY BYPASS. CONTRACTOR MAY PROPOSE ALTERNATE SEQUENCE OF CONSTRUCTION.
2. EXISTING PUMP STATION BUILDING TO REMAIN WITH MODIFICATIONS NOTED THIS SHEET. EXISTING GENERATOR AND STORAGE TANK TO BE REMOVED. RECYCLE RECLAIMED FUEL PER APPLICABLE LOCAL AND STATE REGULATIONS.
3. TWO EXISTING 40 HP FLOODED SUCTION PUMPS AND ALL RELATED APPURTENANCES LOCATED WITHIN EXISTING DRY WELL SHALL BE REMOVED. PUMPS SHALL BE DISCONNECTED FROM EXISTING DISCHARGE OUTLET PIPE.
4. EXISTING WET WELL AND DRY WELL TO BE ABANDONED IN PLACE. SEE ELECTRICAL DRAWING E-109 FOR ELECTRICAL DEMOLITION. DRY WELL AND WET WELL STRUCTURES SHALL BE DRAINED AND BACKFILLED WITH SAND TO WITHIN 3 FT OF EXISTING GRADE. EXCAVATE AS NEEDED TO CUT AND REMOVE EXISTING DRY WELL SHAFT AND WET WELL STRUCTURE TO 3 FT BELOW EXISTING GRADE. BACKFILL TO GRADE AND COMPACT WITH 30 INCHES OF COMMON BORROW AND 6 INCHES OF TOPSOIL.
5. FORCEMAIN PIPING BETWEEN EXISTING DRY WELL AND APPROXIMATE STA. 4+50, TO BE ABANDONED IN PLACE. EXISTING FORCEMAIN SHALL BE REMOVED BETWEEN APPROXIMATE STA. 4+50 AND STA. 22+90, AND WHERE NECESSARY FOR THE INSTALLATION OF PROPOSED WORK.
6. PROPOSED PACKAGE PUMP STATION SYSTEM SHALL INCLUDE TWO 40 HP SUCTION LIFT PUMPS AND ENCLOSURE. FOR DETAILS, SEE DRAWING C-127 AND C-128 FOR PACKAGE PUMP STATION. SEE DRAWING S-104 FOR NEW WET WELL SITE STRUCTURAL PLANS, AND SEE DRAWING E-102 FOR ELECTRICAL SITE PLAN AND DRAWING E-110 FOR ELECTRICAL NEW WORK. CONTRACTOR TO COMPLETE SITE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS AND COUNTY SPECIFICATIONS TO INSTALL A FULLY FUNCTIONAL PUMP STATION AT THE SITE.
7. COORDINATE WITH LOCAL POWER COMPANY FOR MODIFICATIONS TO EXISTING ELECTRICAL SERVICE AS INDICATED ON CONTRACT DOCUMENTS. COORDINATE TEMPORARY POWER CONNECTIONS, IF NECESSARY TO MAINTAIN PUMP STATION IN OPERATION.
8. FINAL SITE GRADE SHALL MATCH PRE-CONSTRUCTION CONDITIONS, UNLESS OTHERWISE NOTED. ALL DISTURBED AREA SHALL BE PERMANENTLY STABILIZED.
9. FOR EROSION AND SEDIMENT CONTROLS IN THIS AREA, SEE INSET 2 ON DRAWING C-132.
10. CONTRACTOR SHALL COORDINATE WITH THE COUNTY FOR SALVAGE OF PUMPS OR ANY ADDITIONAL EQUIPMENT OR CONTROLS TO BE REMOVED FROM THE PUMP STATION. ALL ITEMS FOR SALVAGE SHALL REMAIN ONSITE FOR COUNTY PICKUP. TO BE COORDINATED DIRECTLY WITH THE COUNTY.



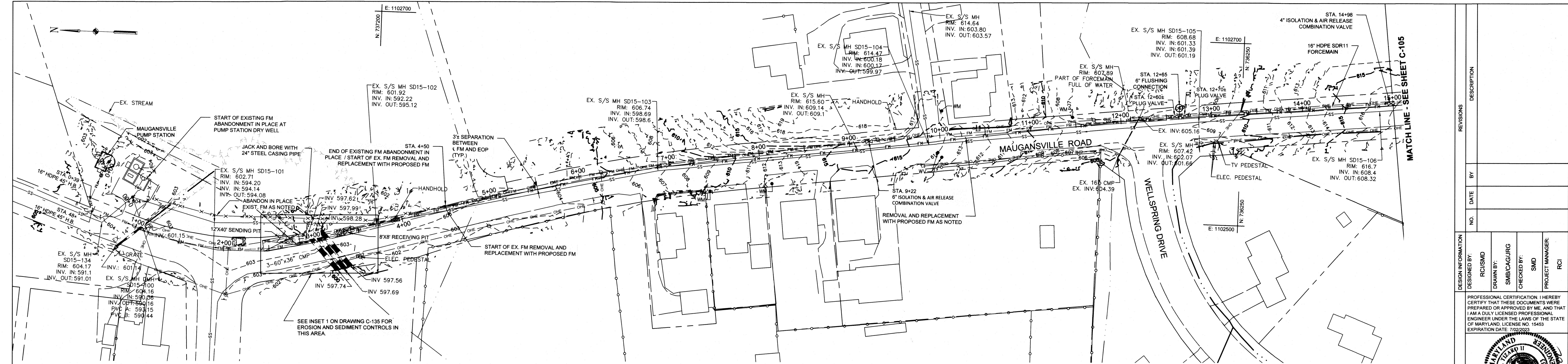
MAUGANSVILLE ROAD PUMP STATION
13635 MAUGANSVILLE ROAD,
HAGERSTOWN, MD 21740

WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES
16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795
WASHINGTON COUNTY, MARYLAND

MAUGANSVILLE ROAD PUMP STATION PROPOSED SITE PLAN

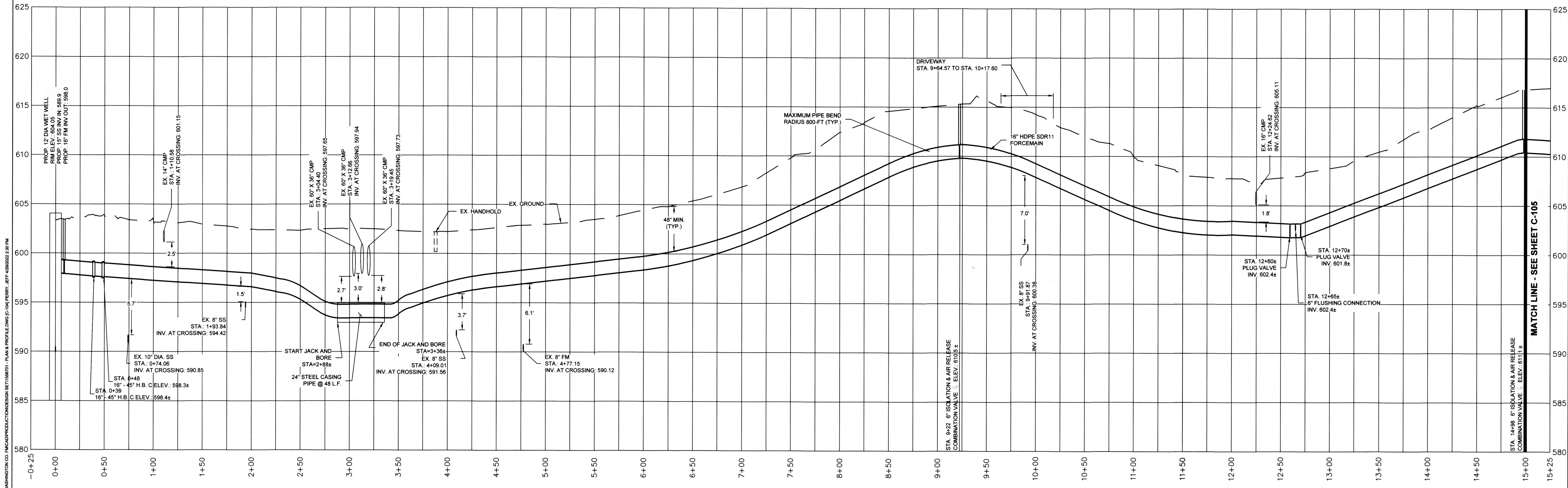
EA
EA Engineering, Science,
and Technology, Inc., PBC
Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000
DATE: APRIL 2022
PROJECT NUMBER: 1556701
C-103
SHEET: 6 OF 76

SP-21-025 / SWCP-21-020



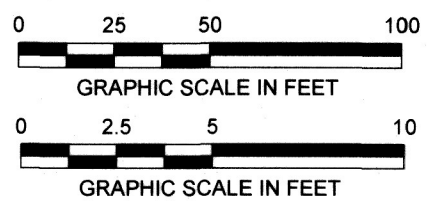
MAUGANSVILLE ROAD FORCEMAIN ROUTING TO MAUGANS MEADOWS - STA. 0+00 - 15+00
SCALE: 1" = 50'

- NOTE:**
- ABANDONMENT IN PLACE OF EXISTING FM TO CONTINUE FROM PUMP STATION DRY WELL TO STA. 4+50 AS SHOWN. AT STA. 4+50, EXISTING FM TO BE CUT AND END OF ABANDONED IN PLACE PORTION TO BE CAPPED.
 - AT STA. 4+50, BEGIN REMOVAL OF EXISTING FM & FM STRUCTURES AND INSTALLATION OF PROPOSED FM. EXISTING FM REMOVAL AND REPLACEMENT TO CONTINUE TO STA. 22+80. BYPASS PUMPING WILL BE REQUIRED IN THIS AREA TO ENSURE CONTINUOUS OPERATION AT THE MAUGANSVILLE ROAD PUMP STATION. CONTRACTOR TO DOCUMENT APPROACH IN THIS AREA IN PUMP STATION CONSTRUCTION SEQUENCE AND BYPASS OPERATIONS PLAN SUBMITTED FOR COUNTY REVIEW AND APPROVAL PRIOR TO INITIATION OF ANY WORK IN THIS AREA.



MAUGANSVILLE ROAD FORCEMAIN PROFILE - STA. 0+00 - 15+00
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

- NOTE:**
- AIR RELEASE VALVES PER COUNTY STANDARD DETAIL S-7.2A SHOWN ON SHEET C-506.
 - FLUSHING CONNECTION PER COUNTY STANDARD DETAIL S-7.4 SHOWN ON SHEET C-506. VALVE BOXES TO BE INSTALLED AT PLUG VALVES INSTALLED ON FORCEMAIN FOR VALVE ACCESS AT GRADE.
 - BYPASS CONNECTION MANHOLE DETAIL SHOWN ON SHEET C-506.



WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES
16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795
WASHINGTON COUNTY, MARYLAND

EA
EA Engineering, Science,
and Technology, Inc., PBC
Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

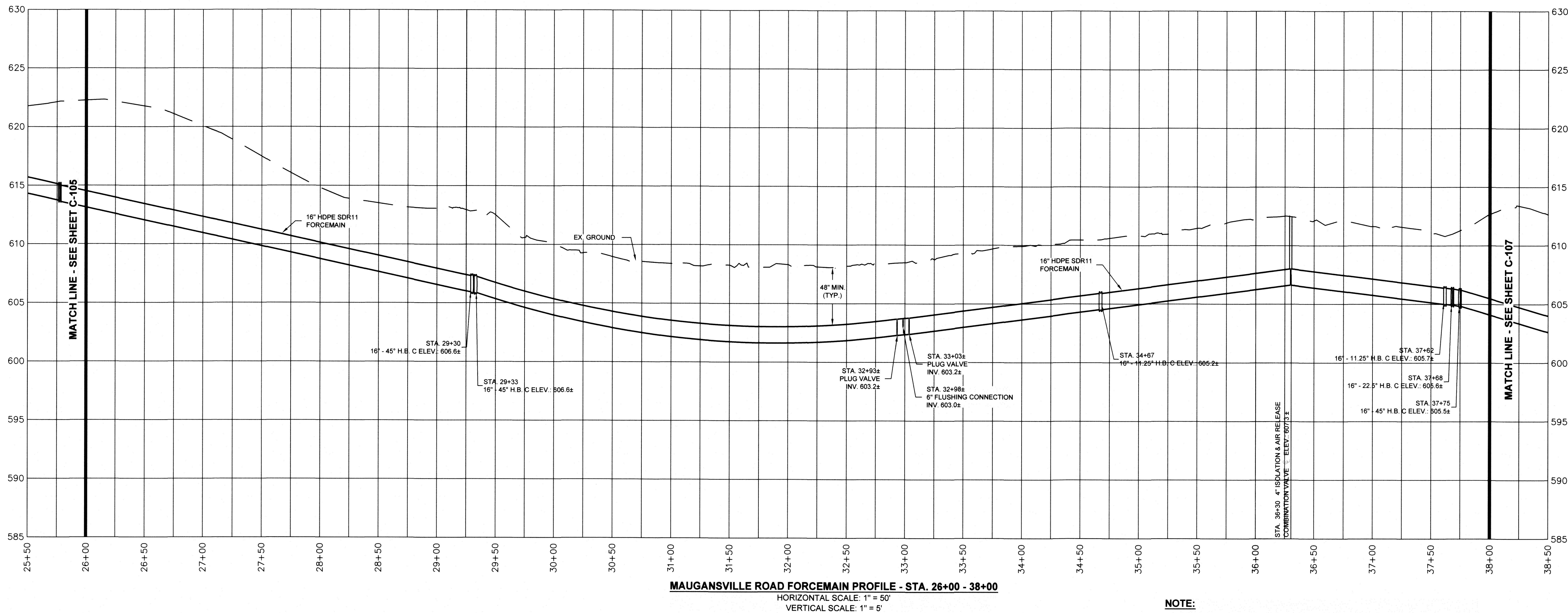
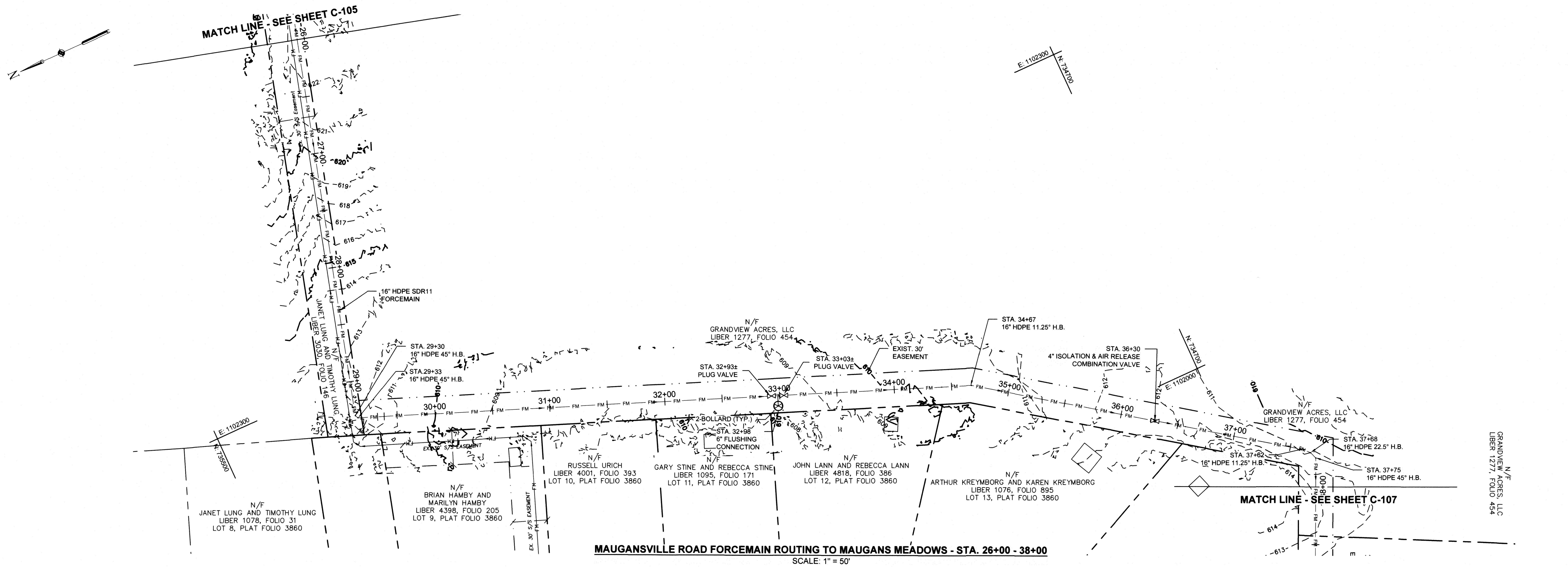
DATE: APRIL 2022
PROJECT NUMBER: 1556701
C-104
SHEET: 7 OF 76

DESIGN INFORMATION		REVISIONS	
DESIGNED BY:	RCI	NO.	DESCRIPTION
RO/SMO		DATE	
DRAWN BY:	SMB/CAG/JRG		
CHECKED BY:	SMB		
PROJECT MANAGER:	RCI		
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15453 EXPIRATION DATE: 7/2023			
SEAL			

MAUGANSVILLE ROAD FORCEMAIN ROUTING TO MAUGANS MEADOWS STA. 0+00 TO 15+00

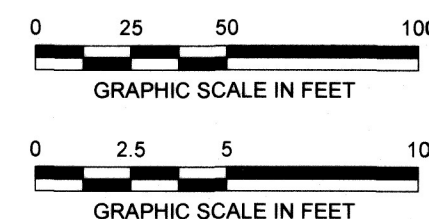
SP-21-025 / SWCP-21-020

FILE PATH: \\KINETON\CAD\PROJECTS\1556701 - WASHINGTON CO. MAUGANSVILLE\DESIGN\SET\1556701 - PLAN & PROFILE.DWG (C:\MS\PERV\JEF 4/26/2022 2:31 PM



NOTE:

- AIR RELEASE VALVES PER COUNTY STANDARD DETAIL S-7.2A SHOWN ON SHEET C-506.
- FLUSHING CONNECTION PER COUNTY STANDARD DETAIL S-7.4 SHOWN ON SHEET C-506. VALVE BOXES TO BE INSTALLED AT PLUG VALVES INSTALLED ON FORCEMAIN FOR VALVE ACCESS AT GRADE.



WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES

16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795


WASHINGTON COUNTY, MARYLAND

MAUGANSVILLE ROAD FORCEMAIN ROUTING TO MAUGANS MEADOWS STA. 26+00 TO 38+00

EA
EA Engineering, Science,
and Technology, Inc., PBC
Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

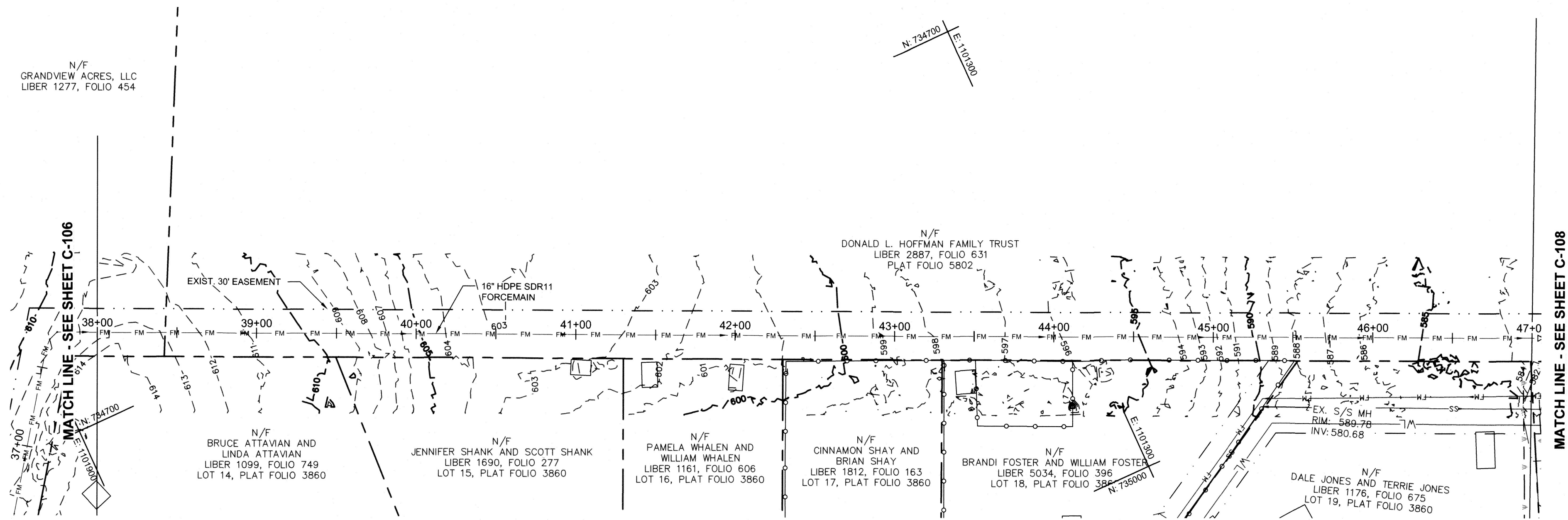
DATE: APRIL 2022
PROJECT NUMBER: 1556701

C-106
SHEET: 9 OF 76

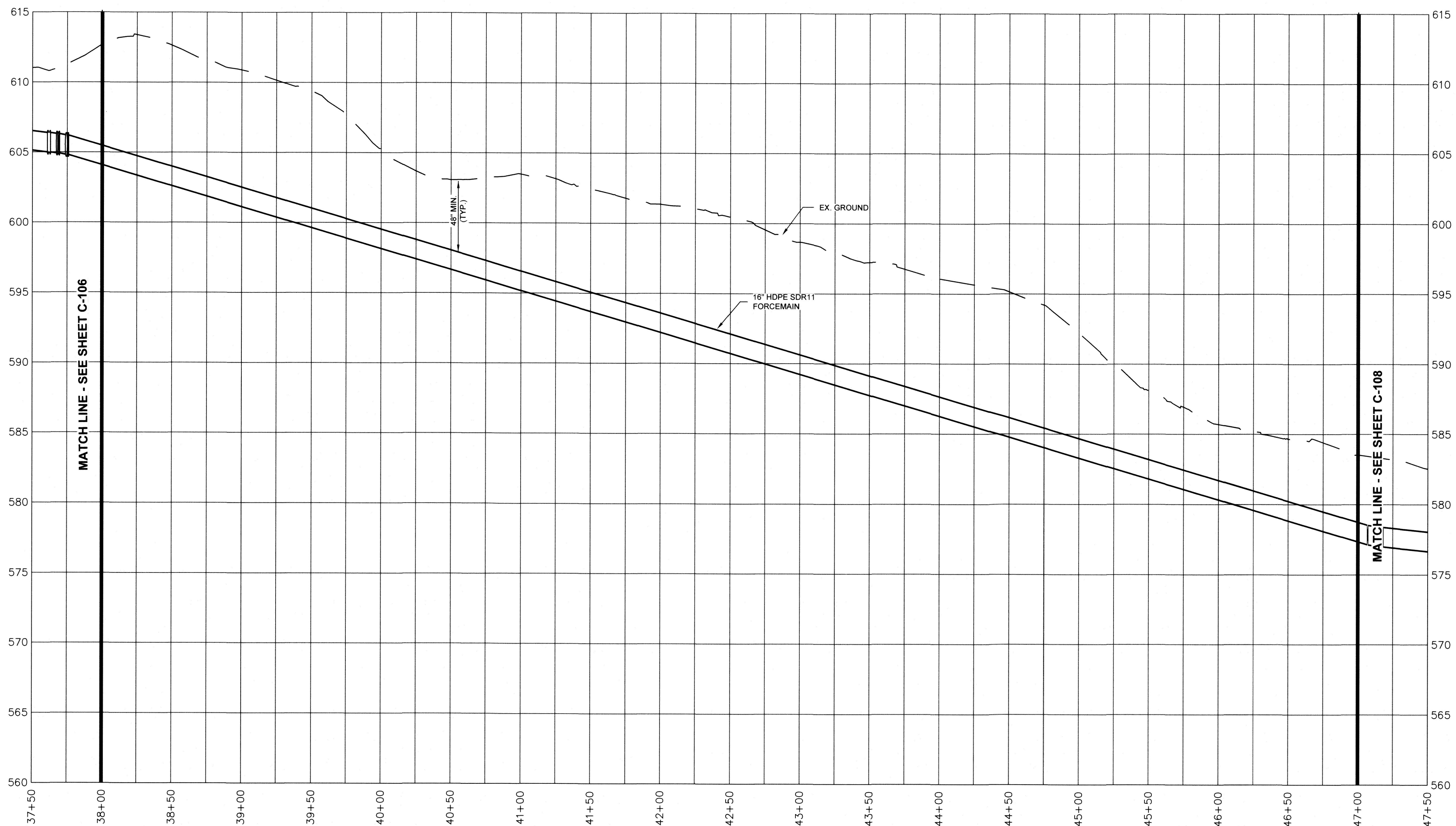
REVISIONS		NO.	DATE	BY	DESCRIPTION
DESIGN INFORMATION		DESIGNED BY:	RO/SMO		
		DRAWN BY:	SMB/CAG/JRG		
		CHECKED BY:	SMD		
		PROJECT MANAGER:	RCI		
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15453 EXPIRATION DATE: 7/25/2023					
					

SP-21-025 / SWCP-21-020

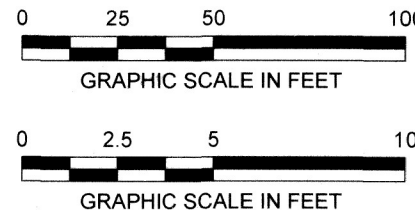
FILE PATH: \\NOTES\CONCAD\PROJECTS\1556701 - WASHINGTON CO. FMA\CD\PRODUCTION\DESIGN SET\1556701 - PLAN & PROFILE.DWG (C:\UT\PERMY_JEFF\42062022 2:31 PM





MAUGANSVILLE ROAD FORCEMAIN ROUTING TO MAUGANS MEADOWS - STA. 38+00 TO 47+00
SCALE: 1" = 50'



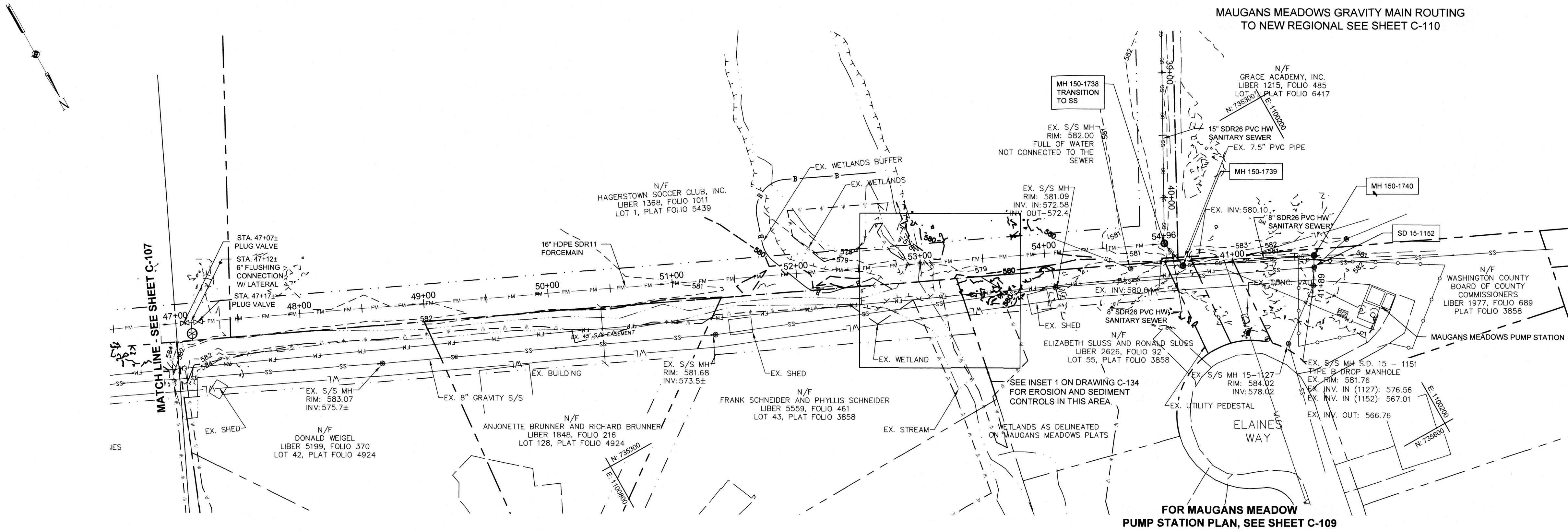
MAUGANSVILLE ROAD FORCEMAIN PROFILE - STA. 38+00 - 47+00
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'



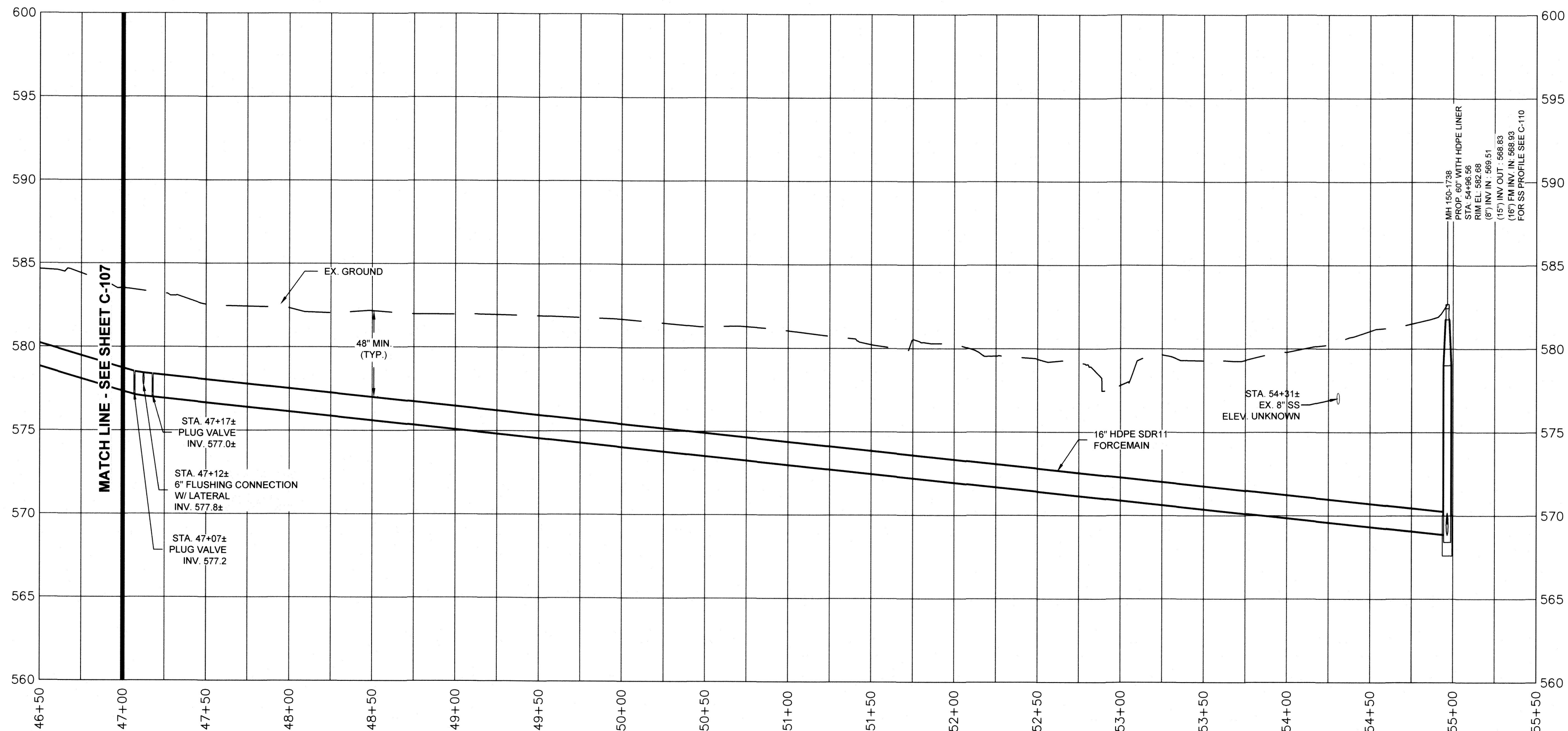
WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES 16232 ELLIOTT PARKWAY WILLIAMSPORT, MD 21795 WASHINGTON COUNTY, MARYLAND		MAUGANSVILLE ROAD FORCEMAIN ROUTING TO MAUGANS MEADOWS STA. 38+00 TO 47+00	
 EA Engineering, Science, and Technology, Inc., PBC Hunt Valley Center 225 Schilling Circle, Suite 400 Hunt Valley, Maryland 21031 (410) 584-7000		DATE: APRIL 2022 PROJECT NUMBER: 1556701 C-107 SHEET: 10 OF 76	
DESIGN INFORMATION DESIGNED BY: RCJ/SMD DRAWN BY: SMBCAG/JRG CHECKED BY: SMD PROJECT MANAGER: RCI		REVISIONS NO. DATE BY DESCRIPTION	
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15453, EXPIRATION DATE: 7/22/2023			
			

SP-21-025 / SWCP-21-020

FILE PATH: \\VOTECOMCAD\PROJECTS\1556701 - WASHINGTON CO. MAUGANSVILLE ROAD\DESIGN\SET\1556701 - PLAN & PROFILE.DWG [C:\MS\PERV\JEFF 4/26/2022 2:32 PM]



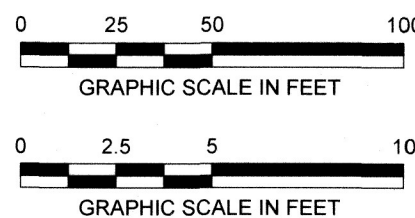
MAUGANSVILLE ROAD FORCEMAIN ROUTING TO MAUGANS MEADOWS - STA 47+00 TO 55+12
SCALE: 1" = 50'



MAUGANSVILLE ROAD FORCEMAIN PROFILE - STA. 47+00 - 55+12
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

NOTE:

- AIR RELEASE VALVES PER COUNTY STANDARD DETAIL S-7.2A SHOWN ON SHEET C-506.
- FLUSHING CONNECTION PER DETAIL SHOWN ON SHEET C-506 FOR FLUSHING CONNECTION WITH LATERAL. VALVE BOXES TO BE INSTALLED AT PLUG VALVES INSTALLED ON FORCEMAIN FOR VALVE ACCESS AT GRADE.
- FOR FORCEMAIN INSTALLATION AT STREAM CROSSING SHOWN THIS SHEET, SEE DETAIL ON DRAWING C-134.



WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES
16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795
WASHINGTON COUNTY, MARYLAND

EA
EA Engineering, Science,
and Technology, Inc., PBC
Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

DATE: APRIL 2022
PROJECT NUMBER: 1556701

C-108

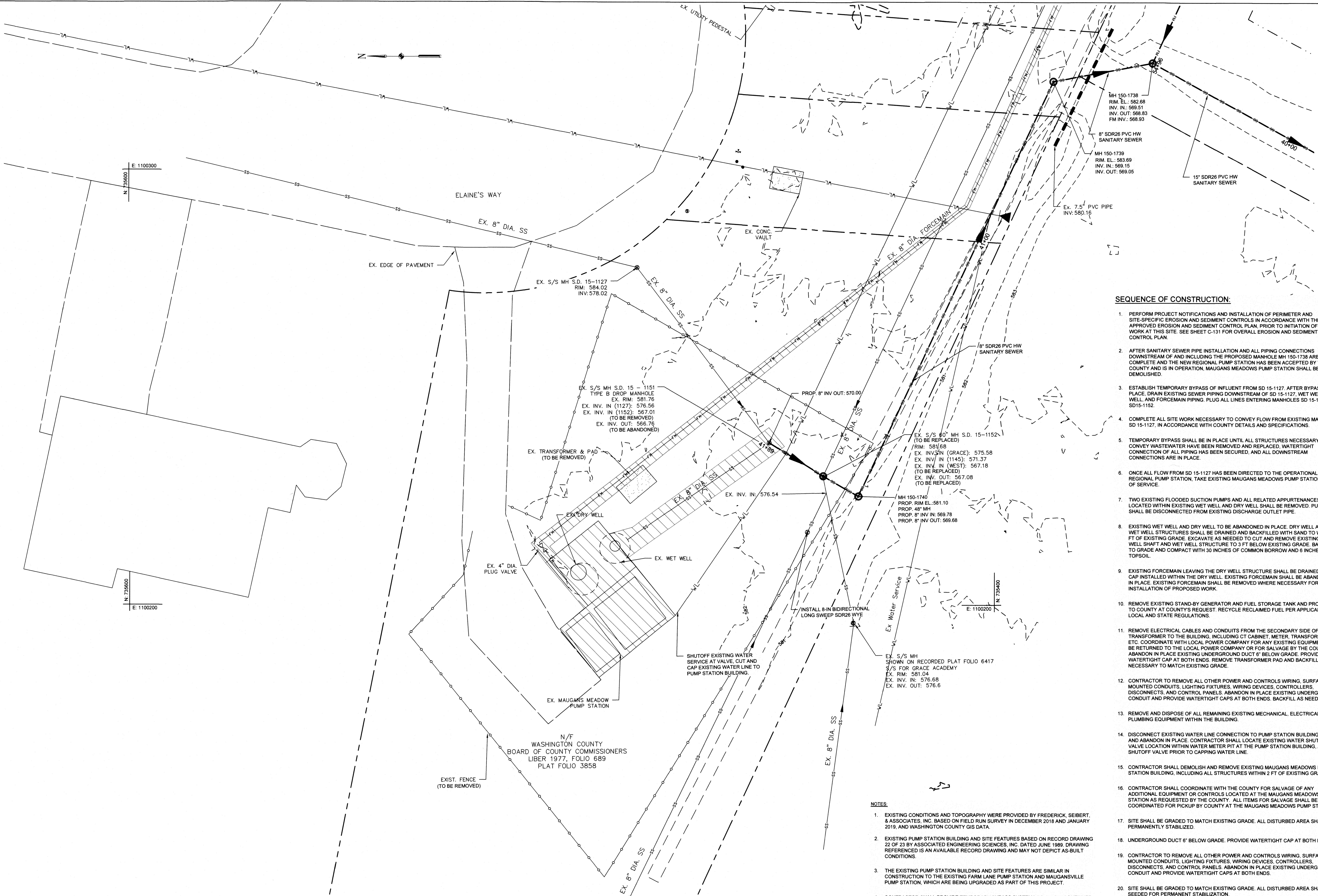
SHEET: 11 OF 76

DESIGN INFORMATION		REVISIONS	
DESIGNED BY:	RCI/SMD	NO.	DATE
DRAWN BY:	SMB/CAG/JRG	BY	
CHECKED BY:	SMD		
PROJECT MANAGER:	RCI		
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15453 EXPIRATION DATE: 7/02/2023			
SEAL		DESCRIPTION	

MAUGANSVILLE ROAD FORCEMAIN ROUTING TO MAUGANS MEADOWS STA. 47+00 TO 55+12

SP-21-025 / SWCP-21-020

FILE PATH: \\K07020\CAD\PROJECTS\1556701 - WASHINGTON CO. MAUGANS MEADOWS PUMP STATION\DWG\1556701 - PLAN & PROFILE.DWG (C:\DRIVERS\JEFF\1556701.DWG) DATE: 02/22/2022 2:32 PM

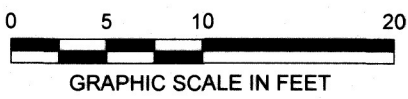


MAUGANS MEADOWS PUMP STATION EXISTING CONDITONS / PROPOSED SITE PLAN
SCALE: 1" = 10'

NOTES:

- EXISTING CONDITIONS AND TOPOGRAPHY WERE PROVIDED BY FREDERICK, SEIBERT, & ASSOCIATES, INC. BASED ON FIELD RUN SURVEY IN DECEMBER 2018 AND JANUARY 2019, AND WASHINGTON COUNTY GIS DATA.
- EXISTING PUMP STATION BUILDING AND SITE FEATURES BASED ON RECORD DRAWING 22 OF 23 BY ASSOCIATED ENGINEERING SCIENCES, INC. DATED JUNE 1989. DRAWING REFERENCED IS AN AVAILABLE RECORD DRAWING AND MAY NOT DEPICT AS-BUILT CONDITIONS.
- THE EXISTING PUMP STATION BUILDING AND SITE FEATURES ARE SIMILAR IN CONSTRUCTION TO THE EXISTING FARM LANE PUMP STATION AND MAUGANSVILLE PUMP STATION, WHICH ARE BEING UPGRADED AS PART OF THIS PROJECT.
- CONTRACTOR SHALL PROVIDE TEMPORARY BYPASS SYSTEMS TO ALLOW CONTINUED FLOW OF SEWAGE TO THE COUNTYS COLLECTION SYSTEM. TEMPORARY BYPASS SHALL BE IN PLACE UNTIL ALL SITE UPGRADES ARE COMPLETE. STRUCTURES HAVE BEEN REMOVED AND REPLACED, WATERTIGHT CONNECTION OF ALL PIPING HAS BEEN SECURED, AND ALL DOWNSTREAM CONNECTIONS ARE IN PLACE. CONTRACTOR SHALL MINIMIZE DURATION FOR THE NEED OF TEMPORARY BYPASS. CONTRACTOR MAY PROPOSE ALTERNATE SEQUENCE OF CONSTRUCTION.
- CONTRACTOR SHALL DEMOLISH AND REMOVE EXISTING MAUGANS MEADOWS PUMP STATION BUILDING, INCLUDING ALL STRUCTURES, WITHIN 2 FT OF EXISTING GRADE UNLESS OTHERWISE NOTED. ONLY THE EXISTING ACCESS DRIVEWAY SHALL REMAIN.
- FOR EROSION AND SEDIMENT CONTROLS IN THE AREA. SEE INSET 1 ON DRAWING C-133.

MAUGANS MEADOWS PUMP STATION
13500 ELAINE'S WAY
HAGERSTOWN, MD 21740



SEQUENCE OF CONSTRUCTION:

- PERFORM PROJECT NOTIFICATIONS AND INSTALLATION OF PERIMETER AND SITE-SPECIFIC EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, PRIOR TO INITIATION OF ANY WORK AT THIS SITE. SEE SHEET C-131 FOR OVERALL EROSION AND SEDIMENT CONTROL PLAN.
- AFTER SANITARY SEWER PIPE INSTALLATION AND ALL PIPING CONNECTIONS DOWNSTREAM OF AND INCLUDING THE PROPOSED MANHOLE MH 150-1738 ARE COMPLETE AND THE NEW REGIONAL PUMP STATION HAS BEEN ACCEPTED BY THE COUNTY AND IS IN OPERATION, MAUGANS MEADOWS PUMP STATION SHALL BE DEMOLISHED.
- ESTABLISH TEMPORARY BYPASS OF INFLUENT FROM SD 15-1127. AFTER BYPASS IS IN PLACE, DRAIN EXISTING SEWER PIPING DOWNSTREAM OF SD 15-1127, WET WELL, DRY WELL, AND FORCEMAIN PIPING. PLUG ALL LINES ENTERING MANHOLES SD 15-1151 AND SD15-1152.
- COMPLETE ALL SITE WORK NECESSARY TO CONVEY FLOW FROM EXISTING MANHOLE SD 15-1127, IN ACCORDANCE WITH COUNTY DETAILS AND SPECIFICATIONS.
- TEMPORARY BYPASS SHALL BE IN PLACE UNTIL ALL STRUCTURES NECESSARY TO CONVEY WASTEWATER HAVE BEEN REMOVED AND REPLACED, WATERTIGHT CONNECTION OF ALL PIPING HAS BEEN SECURED, AND ALL DOWNSTREAM CONNECTIONS ARE IN PLACE.
- ONCE ALL FLOW FROM SD 15-1127 HAS BEEN DIRECTED TO THE OPERATIONAL NEW REGIONAL PUMP STATION, TAKE EXISTING MAUGANS MEADOWS PUMP STATION OUT OF SERVICE.
- TWO EXISTING FLOODED SUCTION PUMPS AND ALL RELATED APPURTENANCES LOCATED WITHIN EXISTING WET WELL AND DRY WELL SHALL BE REMOVED. PUMPS SHALL BE DISCONNECTED FROM EXISTING DISCHARGE OUTLET PIPE.
- EXISTING WET WELL AND DRY WELL TO BE ABANDONED IN PLACE. DRY WELL AND WET WELL STRUCTURES SHALL BE DRAINED AND BACKFILLED WITH SAND TO WITHIN 3 FT OF EXISTING GRADE. EXCAVATE AS NEEDED TO CUT AND REMOVE EXISTING DRY WELL SHAFT AND WET WELL STRUCTURE TO 3 FT BELOW EXISTING GRADE. BACKFILL TO GRADE AND COMPACT WITH 30 INCHES OF COMMON BORROW AND 6 INCHES OF TOPSOIL.
- EXISTING FORCEMAIN LEAVING THE DRY WELL STRUCTURE SHALL BE DRAINED AND CAP INSTALLED WITHIN THE DRY WELL. EXISTING FORCEMAIN SHALL BE ABANDONED IN PLACE. EXISTING FORCEMAIN SHALL BE REMOVED WHERE NECESSARY FOR THE INSTALLATION OF PROPOSED WORK.
- REMOVE EXISTING STAND-BY GENERATOR AND FUEL STORAGE TANK AND PROVIDE TO COUNTY AT COUNTY'S REQUEST. RECYCLE RECLAIMED FUEL PER APPLICABLE LOCAL AND STATE REGULATIONS.
- REMOVE ELECTRICAL CABLES AND CONDUITS FROM THE SECONDARY SIDE OF THE TRANSFORMER TO THE BUILDING, INCLUDING CT CABINET, METER, TRANSFORMER ETC. COORDINATE WITH LOCAL POWER COMPANY FOR ANY EXISTING EQUIPMENT TO BE RETURNED TO THE LOCAL POWER COMPANY OR FOR SALVAGE BY THE COUNTY. ABANDON IN PLACE EXISTING UNDERGROUND DUCT 6" BELOW GRADE. PROVIDE WATERTIGHT CAP AT BOTH ENDS. REMOVE TRANSFORMER PAD AND BACKFILL AS NECESSARY TO MATCH EXISTING GRADE.
- CONTRACTOR TO REMOVE ALL OTHER POWER AND CONTROLS WIRING, SURFACE MOUNTED CONDUITS, LIGHTING FIXTURES, WIRING DEVICES, CONTROLLERS, DISCONNECTS, AND CONTROL PANELS. ABANDON IN PLACE EXISTING UNDERGROUND CONDUIT AND PROVIDE WATERTIGHT CAPS AT BOTH ENDS. BACKFILL AS NEEDED.
- REMOVE AND DISPOSE OF ALL REMAINING EXISTING MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT WITHIN THE BUILDING.
- DISCONNECT EXISTING WATER LINE CONNECTION TO PUMP STATION BUILDING. CAP AND ABANDON IN PLACE. CONTRACTOR SHALL LOCATE EXISTING WATER SHUTOFF VALVE LOCATION WITHIN WATER METER PIT AT THE PUMP STATION BUILDING, AND SHUTOFF VALVE PRIOR TO CAPPING WATER LINE.
- CONTRACTOR SHALL DEMOLISH AND REMOVE EXISTING MAUGANS MEADOWS PUMP STATION BUILDING, INCLUDING ALL STRUCTURES WITHIN 2 FT OF EXISTING GRADE.
- CONTRACTOR SHALL COORDINATE WITH THE COUNTY FOR SALVAGE OF ANY ADDITIONAL EQUIPMENT OR CONTROLS LOCATED AT THE MAUGANS MEADOWS PUMP STATION AS REQUESTED BY THE COUNTY. ALL ITEMS FOR SALVAGE SHALL BE COORDINATED FOR PICKUP BY COUNTY AT THE MAUGANS MEADOWS PUMP STATION.
- SITE SHALL BE GRADED TO MATCH EXISTING GRADE. ALL DISTURBED AREA SHALL BE PERMANENTLY STABILIZED.
- UNDERGROUND DUCT 6" BELOW GRADE. PROVIDE WATERTIGHT CAP AT BOTH ENDS.
- CONTRACTOR TO REMOVE ALL OTHER POWER AND CONTROLS WIRING, SURFACE MOUNTED CONDUITS, LIGHTING FIXTURES, WIRING DEVICES, CONTROLLERS, DISCONNECTS, AND CONTROL PANELS. ABANDON IN PLACE EXISTING UNDERGROUND CONDUIT AND PROVIDE WATERTIGHT CAPS AT BOTH ENDS.
- SITE SHALL BE GRADED TO MATCH EXISTING GRADE. ALL DISTURBED AREA SHALL BE SEEDED FOR PERMANENT STABILIZATION.
- PERFORM PROJECT NOTIFICATIONS AND REMOVAL OF PERIMETER AND SITE-SPECIFIC EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. SEE SHEET C-131 FOR OVERALL EROSION AND SEDIMENT CONTROL PLAN.

WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES

16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795

WASHINGTON COUNTY, MARYLAND

MAUGANS MEADOWS PUMP STATION EXISTING CONDITIONS / PROPOSED SITE PLAN



Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

DATE: APRIL 2022

PROJECT NUMBER: 1556701

C-109

SHEET: 12 OF 76

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15453 EXPIRATION DATE: 7/02/2023



DESIGNED BY:	RC/SMD
DRAWN BY:	SMB/CAG/JRG
CHECKED BY:	SMD
PROJECT MANAGER:	RCI

REVISIONS

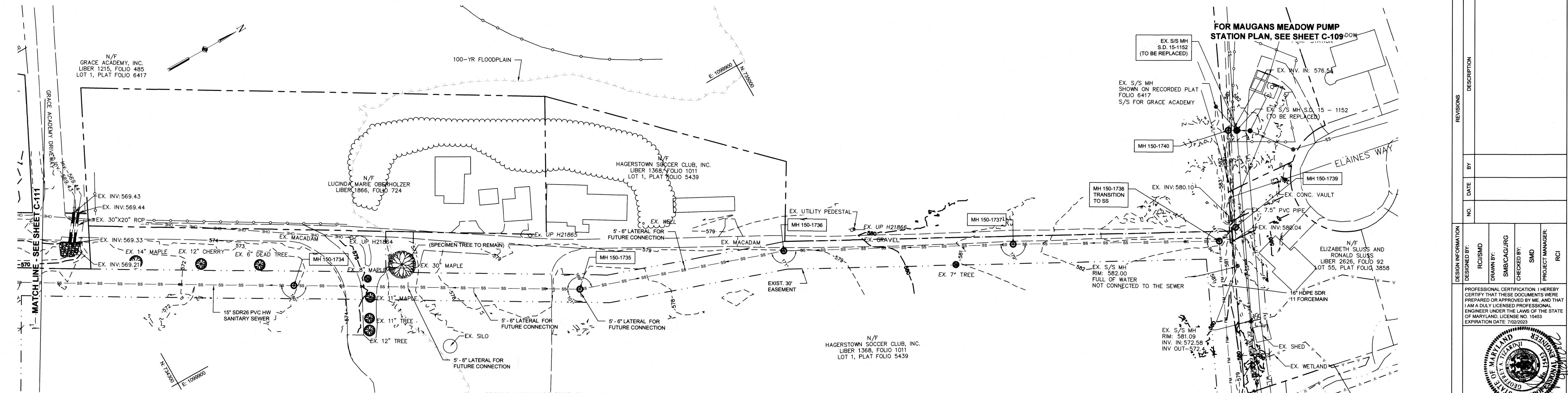
DESCRIPTION

BY

DATE

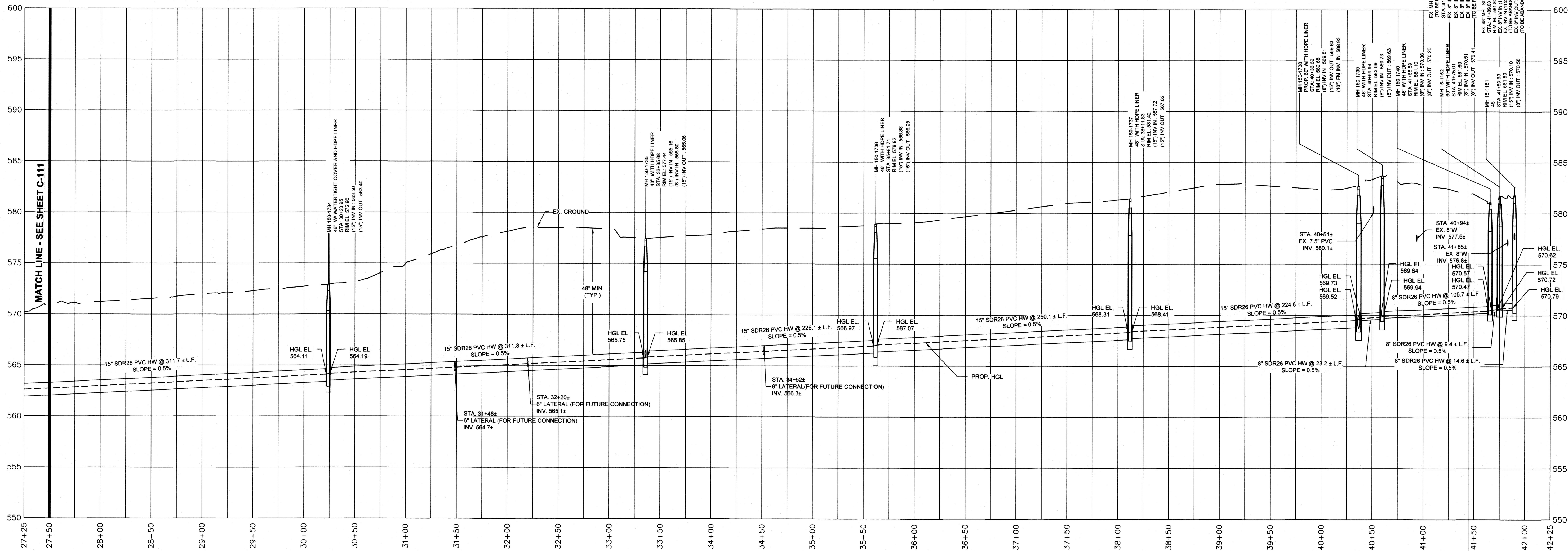
NO.

FILE PATH: \\W0107000\CD\PROJECTS\155671 - WASHINGTON CO. TMA\CD\PRODUCTION\DESIGN\SET\155671 - PLAN & PROFILE.DWG (C-10) PERRY, JEFF 4/26/2022 2:32 PM



MAUGANS MEADOWS GRAVITY MAIN ROUTING TO NEW REGIONAL - STA. 27+50 TO 41+90
SCALE: 1" = 50'

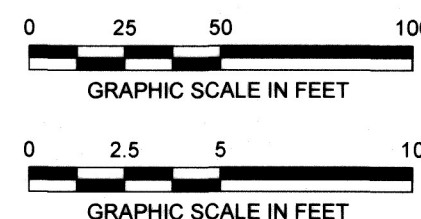
MAUGANSVILLE ROAD FORCEMAIN TIE-IN
TO MH-150-1738 SEE SHEET C-108



MAUGANS MEADOWS GRAVITY MAIN ROUTING TO NEW REGIONAL - PROFILE - STA. STA. 27+50 TO 41+90
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

NOTE:

1. LATERALS FOR FUTURE CONNECTION SHOWN THIS SHEET SHALL BE 5 FT STUBS OF SIZE INDICATED WITH END CAP INSTALLED.



WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES
16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795
WASHINGTON COUNTY, MARYLAND

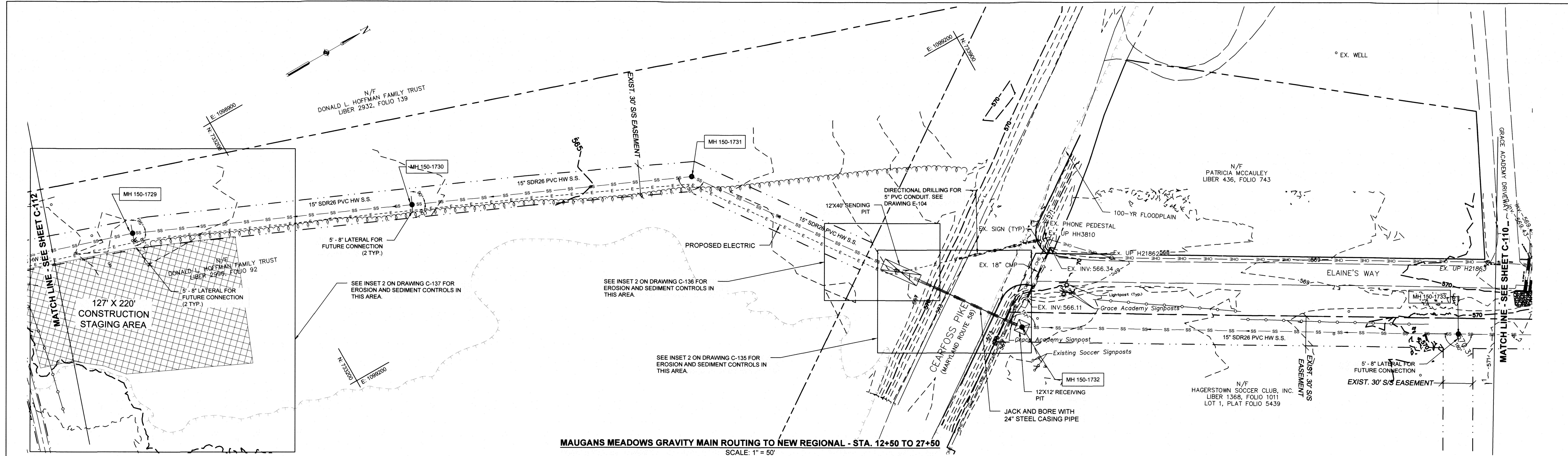
EA
EA Engineering, Science,
and Technology, Inc. PBC
Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

DATE: APRIL 2022
PROJECT NUMBER: 1556701
C-110
SHEET: 13 OF 76

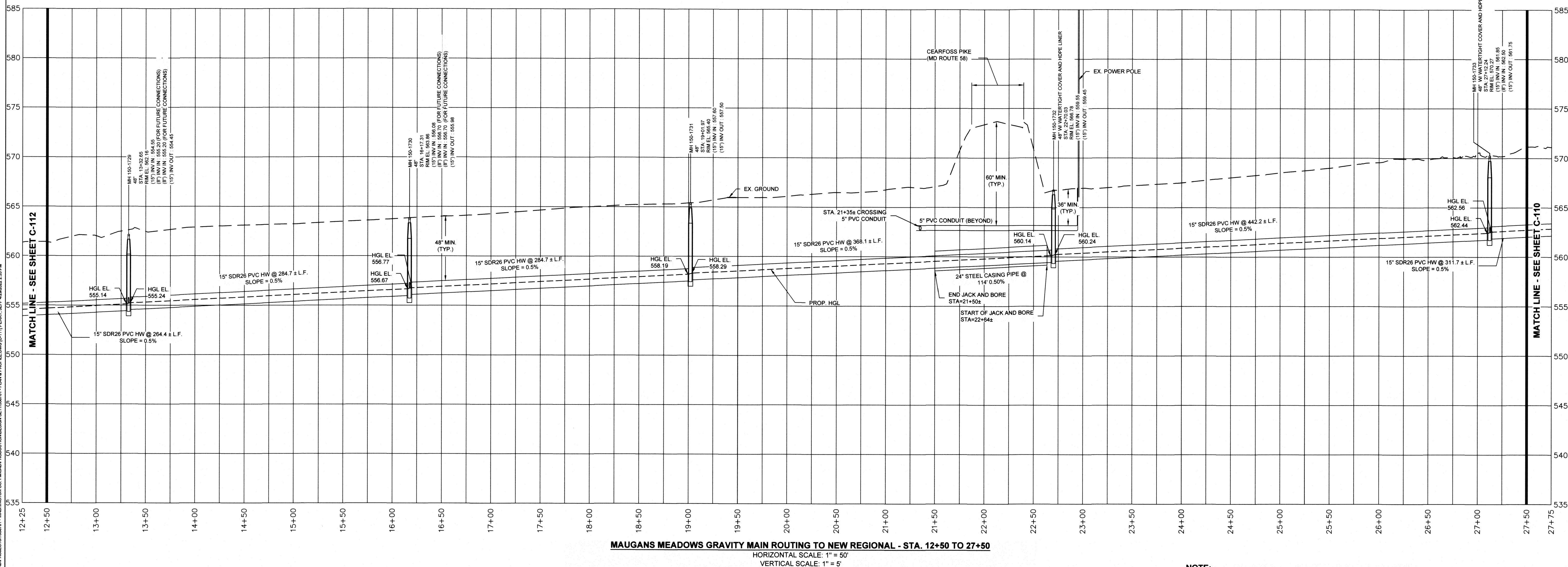
REVISIONS		DESCRIPTION
NO.	DATE	BY
DESIGN INFORMATION		
DESIGNED BY:	RO/SMO	
DRAWN BY:	SMB/CAG/JRG	
CHECKED BY:	SMD	
PROJECT MANAGER:	RCI	
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15453 EXPIRATION DATE: 7/02/2023		
SEAL		

SP-21-025 / SWCP-21-020

FILE PATH: \\UWETON\CD\PROJECTS\1566701 - WASHINGTON CO. IMA\CD\PRODUCTION\DESIGN\SETT\1566701 - PLAN & PROFILE.DWG (C-111) PERRY, JEFF 4/26/2022 2:33 PM



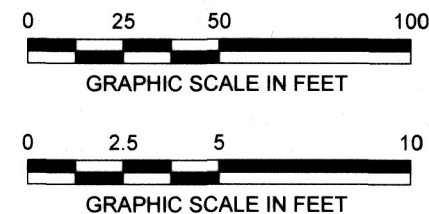
MAUGANS MEADOWS GRAVITY MAIN ROUTING TO NEW REGIONAL - STA. 12+50 TO 27+50
SCALE: 1" = 50'



MAUGANS MEADOWS GRAVITY MAIN ROUTING TO NEW REGIONAL - STA. 12+50 TO 27+50
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

NOTE:

- LATERALS FOR FUTURE CONNECTION SHOWN THIS SHEET SHALL BE 5 FT STUBS OF SIZE INDICATED WITH END CAP INSTALLED.
- CONTRACTOR SHALL ACCESS STAGING AREA THROUGH EASEMENT ONLY.



REVISIONS	
NO.	DATE

DESIGN INFORMATION	
DESIGNED BY:	RCI/SMD
DRAWN BY:	SMB/CAG/JRG
CHECKED BY:	SMD
PROJECT MANAGER:	RCI

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15453, EXPIRATION DATE: 7/22/2023.

SEAL

WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES
16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795
WASHINGTON COUNTY, MARYLAND

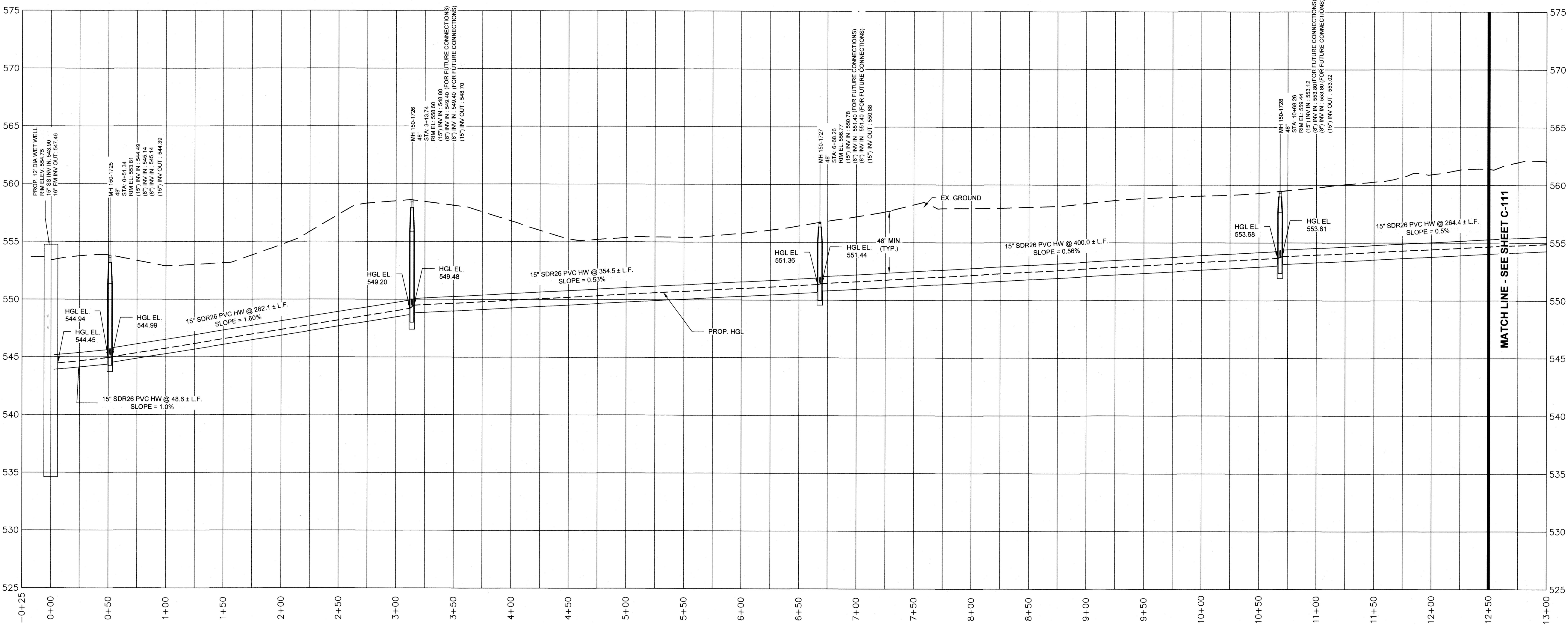
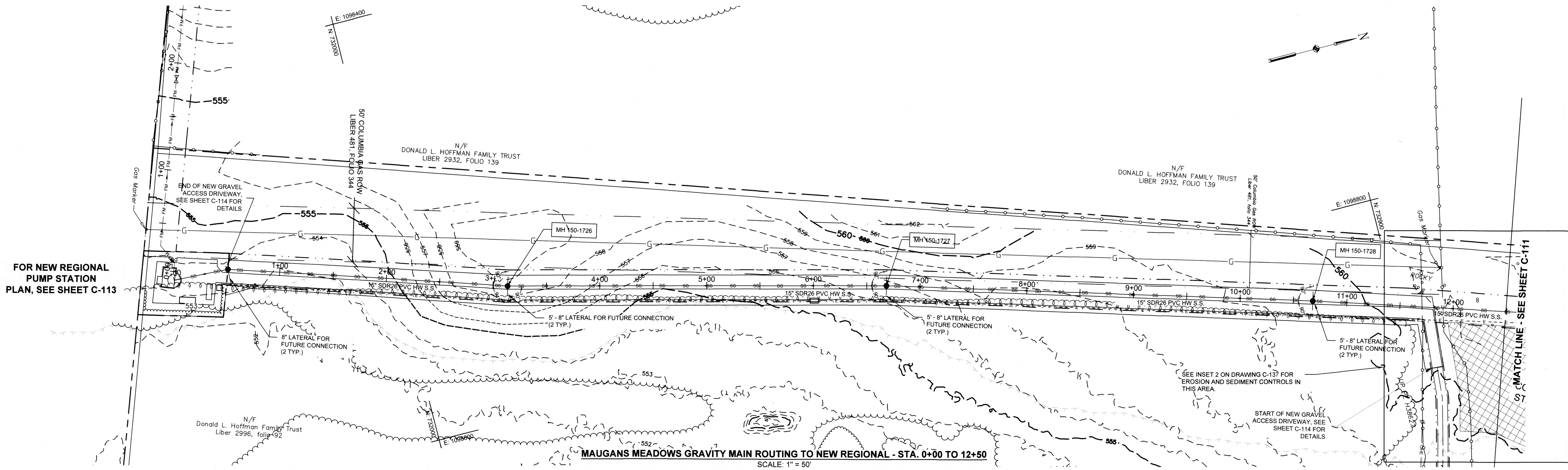
MAUGANS MEADOWS GRAVITY MAIN ROUTING TO NEW REGIONAL STA. 12+50 TO 27+50

EA
EA Engineering, Science,
and Technology, Inc., PBC
Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

DATE: APRIL 2022
PROJECT NUMBER: 1556701
C-111
SHEET: 14 OF 76

SP-21-025 / SWCP-21-020

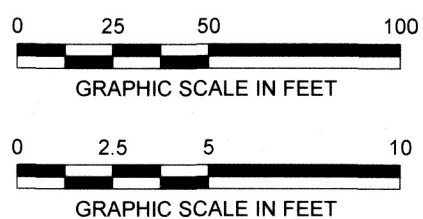
FILE PATH: \\ALDOT\CONTRACT\PROJECTS\1556701 - WASHINGTON CO. IACAD\PRODUCTION\DESIGN\BET11566701 - PLAN & PROFILE.DWG (C-112) PERRY, JEFF 4/26/2022 2:34 PM



MAUGANS MEADOWS GRAVITY MAIN ROUTING TO NEW REGIONAL - STA. 0+00 TO 12+50
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

NOTE:

1. LATERALS FOR FUTURE CONNECTION SHOWN THIS SHEET SHALL BE 5 FT STUBS OF SIZE INDICATED WITH END CAP INSTALLED.

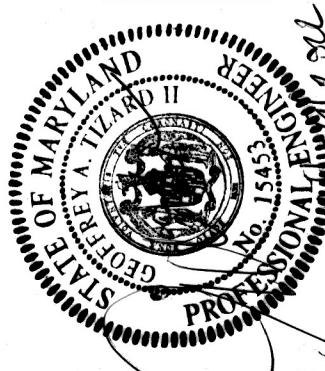


WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES
16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795
WASHINGTON COUNTY, MARYLAND

EA
EA Engineering, Science,
and Technology, Inc., PBC
Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

DATE: APRIL 2022
PROJECT NUMBER: 1556701
C-112
SHEET: 15 OF 76

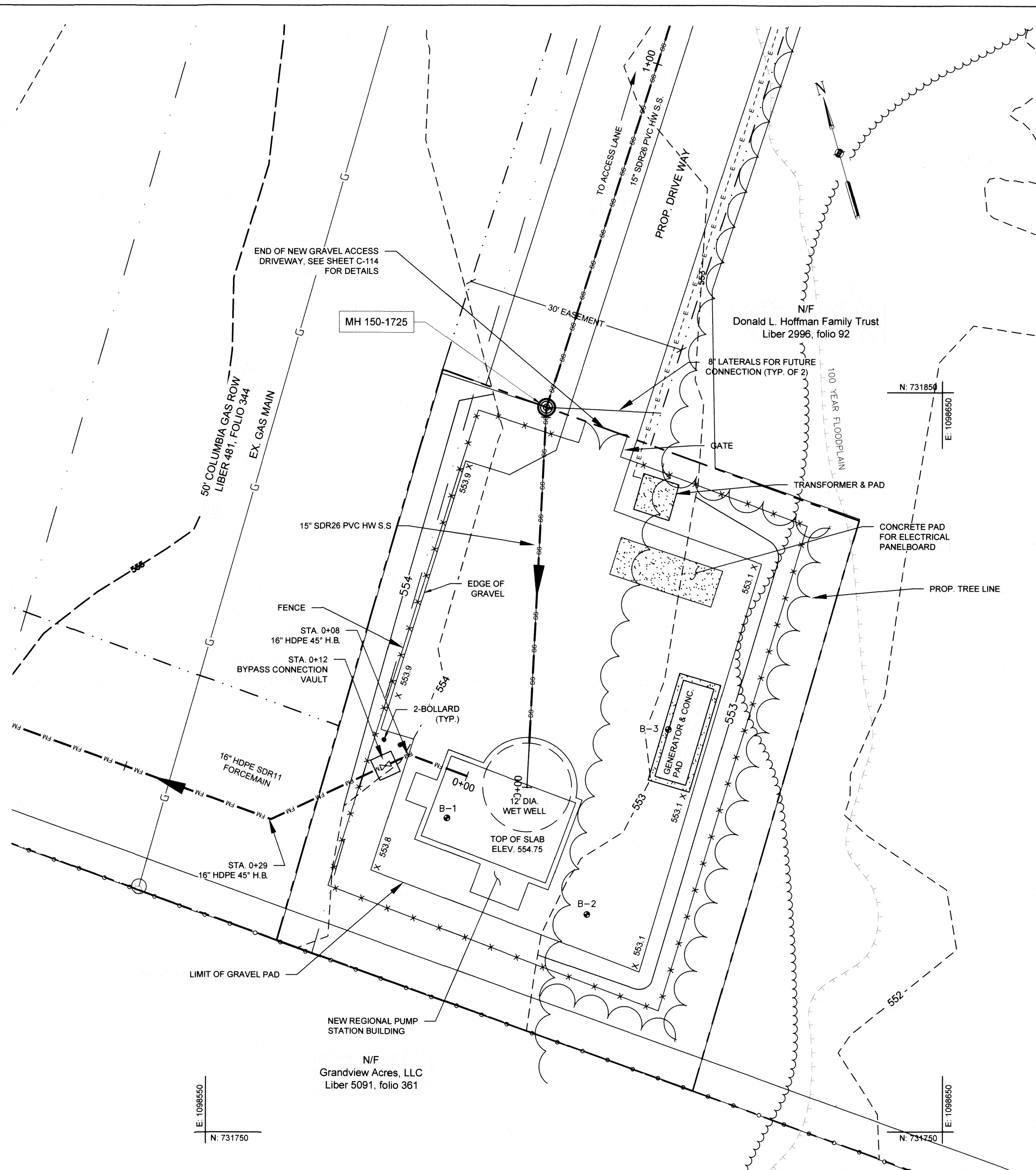
PROFESSIONAL CERTIFICATION I HEREBY
CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT
I AM A DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF THE STATE
OF MARYLAND, LICENSE NO. 15453
EXPIRATION DATE: 7/22/2023



DESIGN INFORMATION		REVISIONS	
DESIGNED BY:	NO.	DATE	DESCRIPTION
RC/SMID			
DRAWN BY:			
SMB/CAG/JRG			
CHECKED BY:			
SMD			
PROJECT MANAGER:			
RCI			

MAUGANS MEADOWS GRAVITY MAIN ROUTING TO NEW REGIONAL STA. 0+00 TO 12+50

SP-21-025 / SWCP-21-020



SCALE: 1" = 10'

1. EXISTING CONDITIONS AND TOPOGRAPHY WERE PROVIDED BY FREDERICK, SEIBERT, & ASSOCIATES, INC. BASED ON FIELD RUN SURVEY IN JANUARY AND FEBRUARY 2020.
2. GEOTECHNICAL EVALUATION, INCLUDING COLLECTION OF BORINGS AT THE LOCATIONS INDICATED, WAS CONDUCTED BY ECS MID-ATLANTIC LIMITED, LLC IN AUGUST 2020. BORING LOGS ARE INCLUDED ON DRAWING C-130.
3. PUMP STATION LOT REPRESENTS SUBDIVISION PLAT APPROVED BY THE WASHINGTON COUNTY BOARD OF ZONING APPEALS IN JANUARY 2021.
4. COORDINATE WITH WASHINGTON COUNTY DWP FOR ACCESS TO PROPOSED SITE AS NECESSARY. THE COUNTY SHALL BE RESPONSIBLE FOR ANY COORDINATION NECESSARY WITH ADJACENT PROPERTY OWNER.
5. SITE WORK INCLUDES PROPOSED GRAVITY MAIN, PUMP STATION AND FOREMAIN CONSTRUCTION IN THE VICINITY OF AN EXISTING HIGH-PRESSURE GAS MAIN. CONTRACTOR SHALL EXPOSE EXTREME CAUTION EXECUTING WORK IN THIS AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH COLUMBIA GAS INSPECTOR IF ONSITE INSPECTION IS REQUIRED DURING ANY OF THIS SITE WORK PROPOSED AT THE NEW REGIONAL PUMP STATION, ALONG ACCESS ROAD OR AT THE CONSTRUCTION STAGING AREA.
6. WHERE THE UTILITY SEWER EASEMENT OVERLAPS WITH THE EXISTING COLUMBIA GAS EASEMENT, THIS AREA SHALL BE UTILIZED FOR TEMPORARY SITE ACCESS ONLY. NO CONSTRUCTION SHALL OCCUR WITHIN THIS SHARED UTILITY EASEMENT AREA. CONTRACTOR SHALL PROVIDE A MINIMUM 24 HOUR NOTICE TO COLUMBIA GAS WHEN NEARBY UTILITY SITE CONSTRUCTION ACCESS WILL OCCUR WITHIN THE SHARED UTILITY EASEMENT AREA.
7. CONTRACTOR SHALL ENSURE FOREMAIN IS INSTALLED WITH A MINIMUM VERTICAL SEPARATION OF 2 FT BELOW EXISTING GAS MAIN. CONTRACTOR SHALL PROVIDE A MINIMUM 72 HOURS NOTICE TO COLUMBIA GAS PRIOR TO INSTALLATION OF FOREMAIN CROSSING. CONTRACTOR SHALL COMPLETE WORK WITH COLUMBIA GAS INSPECTOR ONSITE AS REQUIRED.
8. FOR SITE ACCESS ROAD INSTALLATION AND REPAIRS. SEE DRAWING C-114.
9. PROPOSED PACKAGE PUMP STATION SHALL INCLUDE TWO 75 HP SUCTION LIFT PUMPS AND ENCLOSURE. FOR DETAILS, SEE DRAWING C-129 AND C-130.

10. SEE DRAWING S-104 FOR SITE STRUCTURAL PLANS. SEE DRAWING E-103 FOR ELECTRICAL SITE PLAN, DRAWING E-104 FOR ACCESS DRIVEWAY ELECTRICAL SITE PLAN, AND DRAWINGS E-605 AND E-606 FOR ELECTRICAL DETAILS.
11. COORDINATE WITH LOCAL POWER COMPANY FOR MODIFICATIONS TO EXISTING ELECTRICAL SERVICE AS INDICATED ON CONTRACT DOCUMENTS.
12. FOR EROSION AND SEDIMENT CONTROLS IN THIS AREA. SEE INSET 2 ON DRAWING C-133.

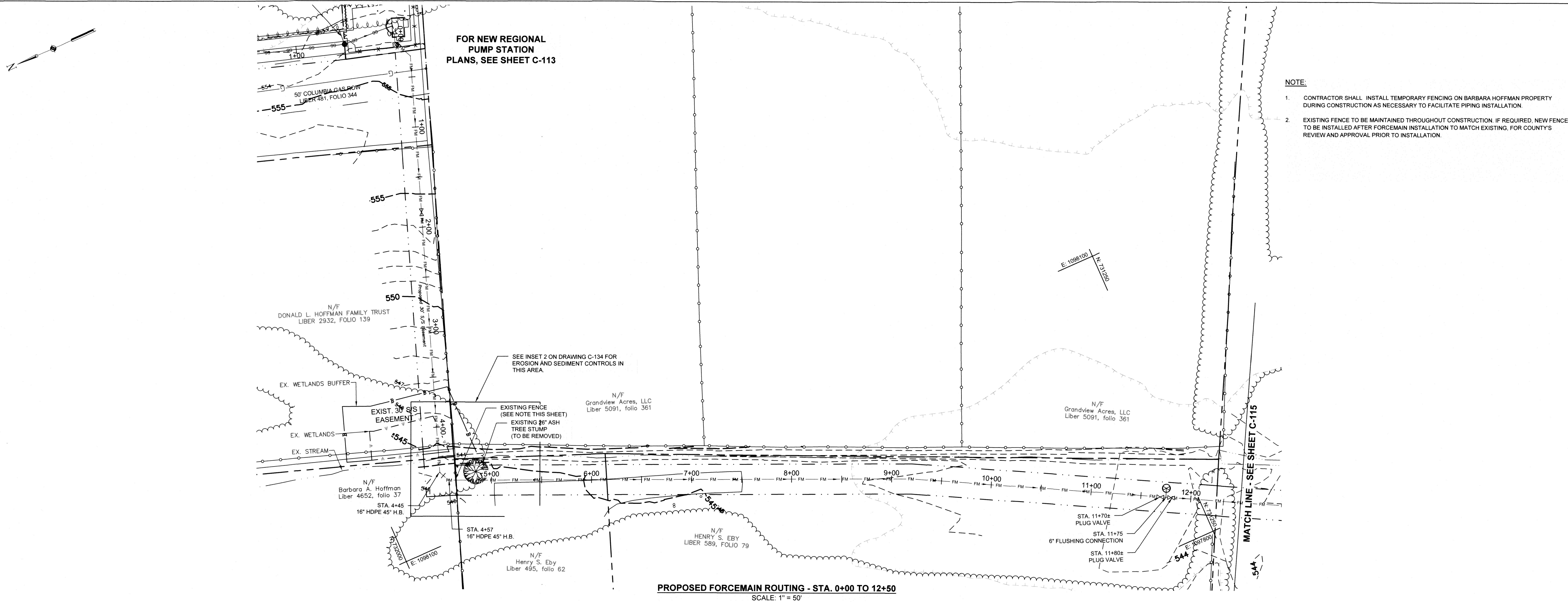
1. PERFORM PROJECT NOTIFICATIONS AND INSTALLATION OF PERIMETER AND SITE-SPECIFIC EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, PRIOR TO INITIATION OF ANY WORK AT THIS SITE. SEE SHEET C-131 FOR OVERALL EROSION AND SEDIMENT CONTROL PLAN.
2. CONTRACTOR TO COMPLETE SITE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS AND COUNTY SPECIFICATIONS TO INSTALL A FULLY FUNCTIONAL PUMP STATION AT THE SITE.
3. AFTER NEW PUMP STATION INSTALLATION IS COMPLETE AND WASTEWATER INFILTRATION DOWNSTREAM OF THE PUMP STATION IS COMPLETE AND FUNCTIONAL TO CONVEY WASTEWATER TO MH 180-389 IN THE CEDAR LAWN AREA, PERFORM STARTUP AND TESTING.
4. PUMP STATION MAY BE INSPECTED FOR COUNTY ACCEPTANCE. PROVIDE A MINIMUM 48 HOUR NOTICE TO COUNTY FOR SITE INSPECTION.
5. OBTAIN SUBSTANTIAL COMPLETION (14-DAY TEST APPROVAL FROM COUNTY), PLACE THE NEW REGIONAL PUMP STATION ONLINE FOR NORMAL OPERATIONS.
6. FINAL SITE GRADE SHALL MATCH PRE-CONSTRUCTION CONDITIONS. ALL DISTURBED AREA SHALL BE SEEDDED FOR PERMANENT STABILIZATION.
7. PERFORM PROJECT NOTIFICATIONS AND REMOVAL OF PERIMETER AND SITE-SPECIFIC EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. SEE SHEET C-131 FOR OVERALL EROSION AND SEDIMENT CONTROL PLAN.

0 5 10 20

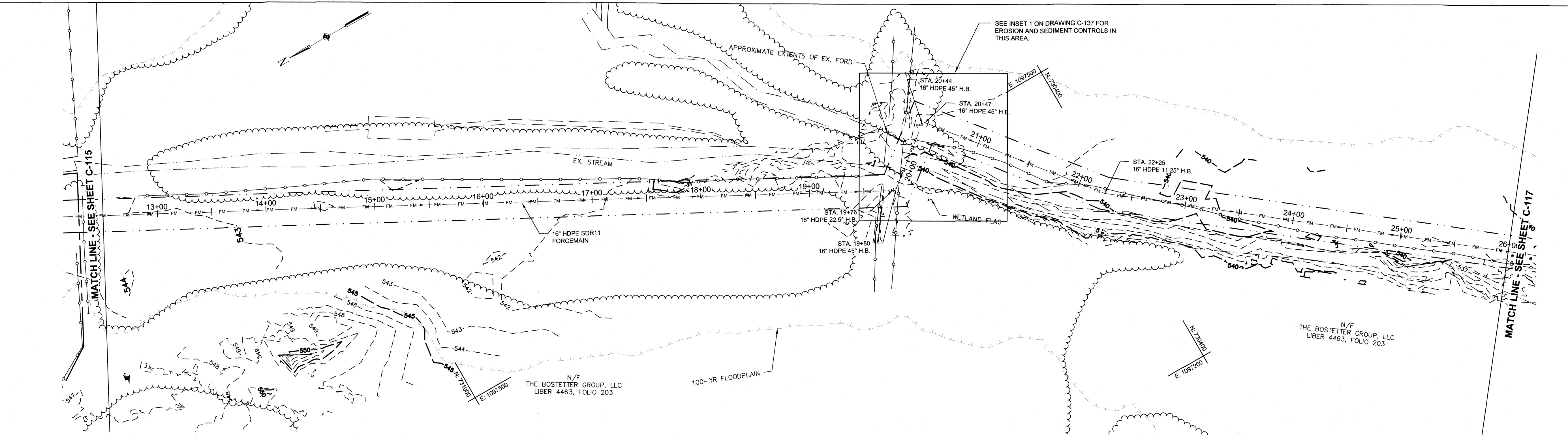
GRAPHIC SCALE IN FEET

SP-21-025 / SWCP-21-020

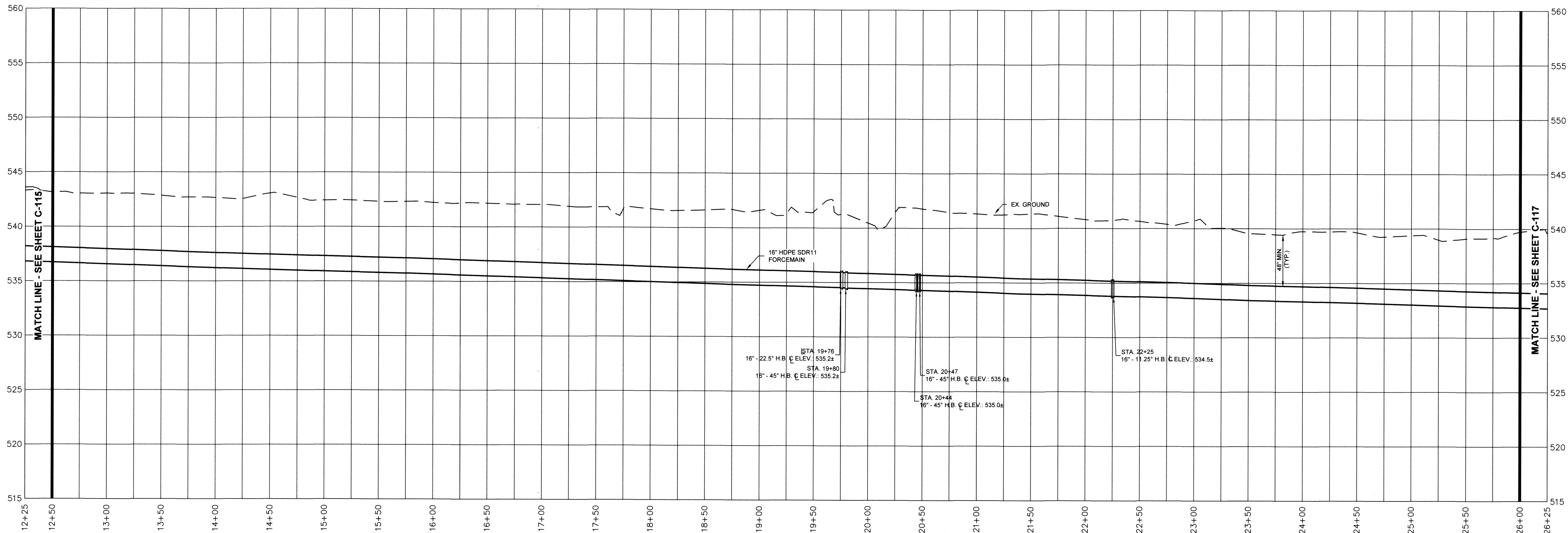
FILE PATH: \\NOVOTEC\DCAD\PROJECTS\1556701 - WASHINGTON CO. FMA\PRODUCTION\DESIGN SET\1556701 - PLAN & PROFILE.DWG (C-115) HENRY, JEFF 4/26/2022 2:35 PM



FILE PATH: \\NORTONCADD\PROJECTS\1556701 - WASHINGTON CO. FMA\PRODUCTION\DESIGN SET\1556701 - PLAN & PROFILE.DWG (C-116) PERRY, JEFF A 2/22/22 2:35 PM



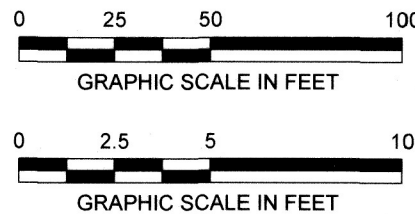
PROPOSED FORCEMAIN ROUTING - STA. 12+50 TO 26+00
SCALE: 1" = 50'



PROPOSED FORCEMAIN PROFILE - STA. 12+50 TO 26+00
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

NOTE:

1. FOR FORCEMAIN INSTALLATION AT STREAM CROSSING SHOWN THIS SHEET, SEE DETAIL ON DRAWING C-137.



WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES

16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795

WASHINGTON COUNTY, MARYLAND

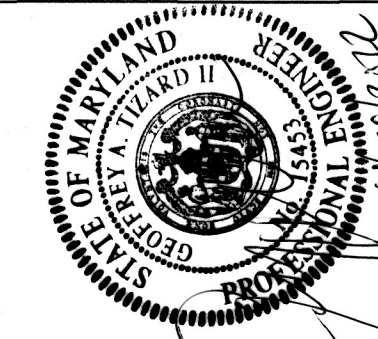
NEW REGIONAL PROPOSED FORCEMAIN ROUTING STA. 12+50 TO 26+00

EA
EA Engineering, Science,
and Technology, Inc., PBC
Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

DATE: APRIL 2022
PROJECT NUMBER: 1556701

C-116
SHEET: 19 OF 76

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15453, EXPIRATION DATE: 7/22/2023.



DESIGN INFORMATION
DESIGNED BY: RC/SMD
DRAWN BY: SMB/CAG/JRG
CHECKED BY: SMD
PROJECT MANAGER: RC

REVISIONS

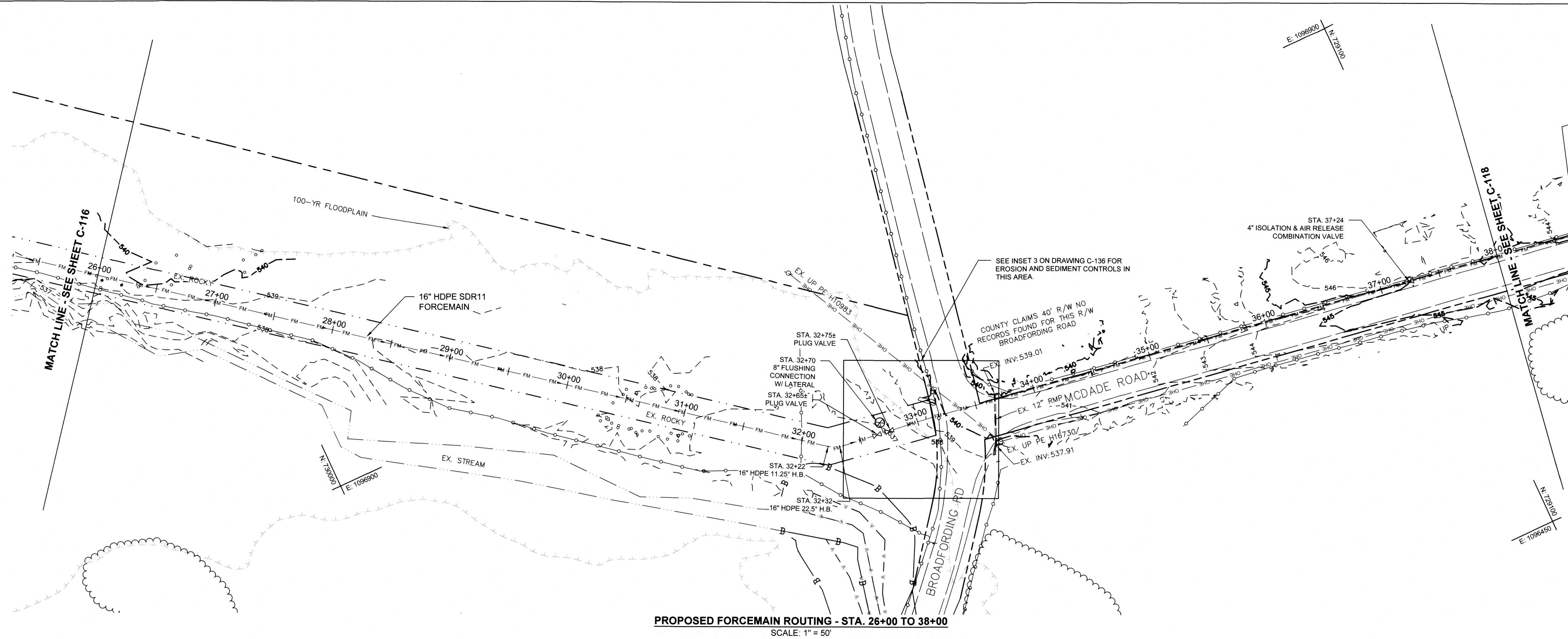
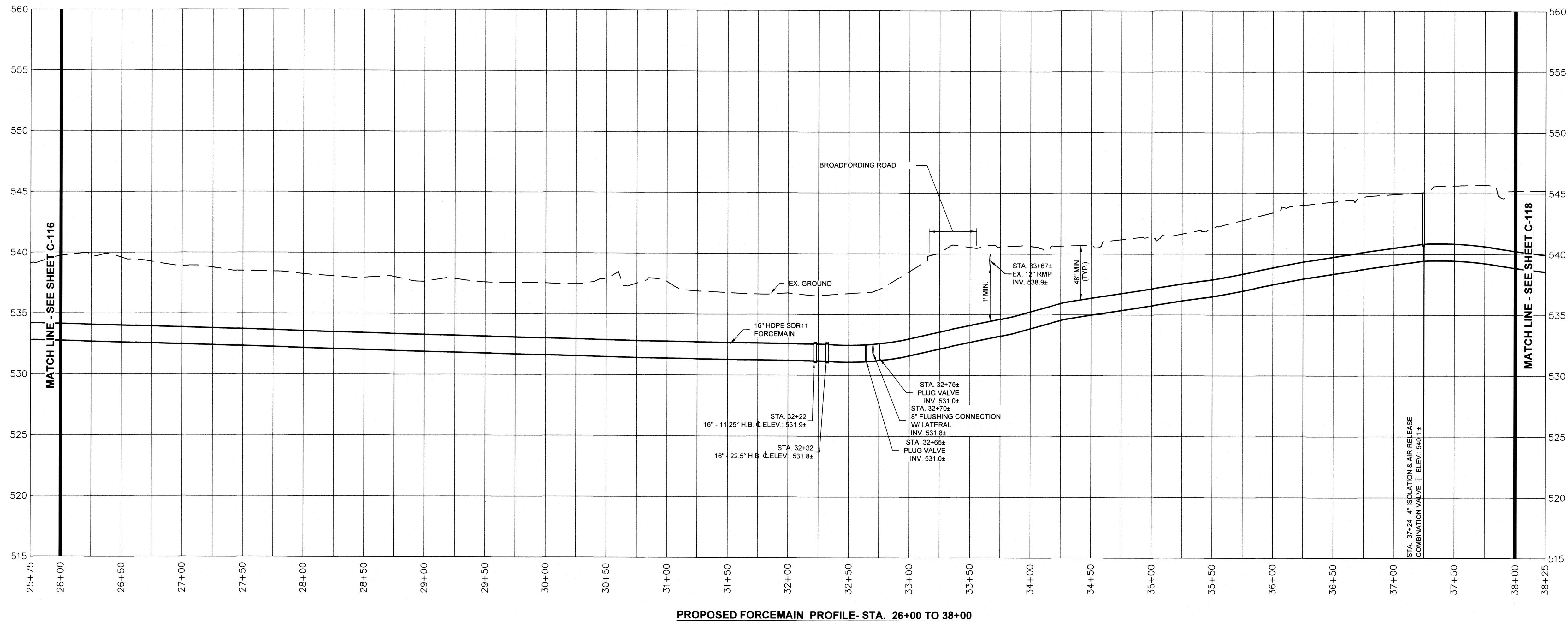
DESCRIPTION

BY

NO.

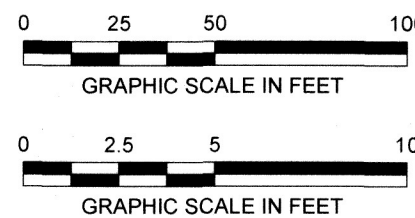
DATE

FILE PATH: \\NORTONCAD\PROJECTS\1556701 - WASHINGTON CO. FMCA\PRODUCTION\DESIGN SET\1556701 - PLAN & PROFILE.DWG (C-117) TERRY, JEFF 4/26/2022 2:36 PM



NOTE:

- AIR RELEASE VALVES PER COUNTY STANDARD DETAIL S-7.2A SHOWN ON SHEET C-506.
- FLUSHING CONNECTION PER DETAIL SHOWN ON SHEET C-506 FOR FLUSHING CONNECTION WITH LATERAL VALVE BOXES TO BE INSTALLED AT PLUG VALVES INSTALLED ON FORCEMAIN FOR VALVE ACCESS AT GRADE.



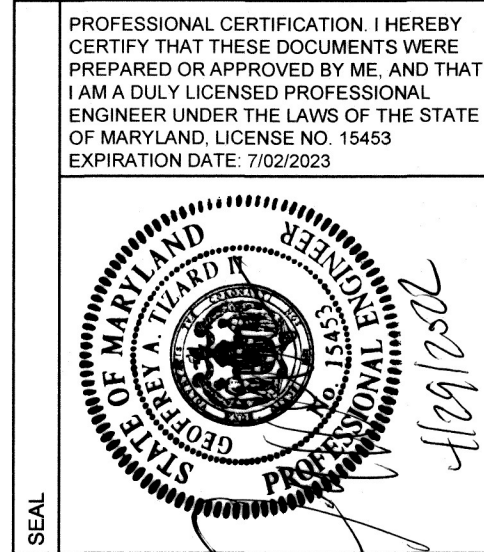
WASHINGTON COUNTY DEPARTMENT OF ENGINEERING SERVICES
16232 ELLIOTT PARKWAY
WILLIAMSPORT, MD 21795
WASHINGTON COUNTY, MARYLAND

EA
EA Engineering, Science,
and Technology, Inc., PBC
Hunt Valley Center
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

DATE: APRIL 2022

PROJECT NUMBER: 1556701

C-117
SHEET: 20 OF 76



DESIGN INFORMATION	NO.	DATE	BY	REVISIONS
DESIGNED BY:				
RC/SMD				
DRAWN BY:				
SMB/CAG/JRG				
CHECKED BY:				
SMD				
PROJECT MANAGER:				
RCI				

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15453 EXPIRATION DATE: 7/22/2023