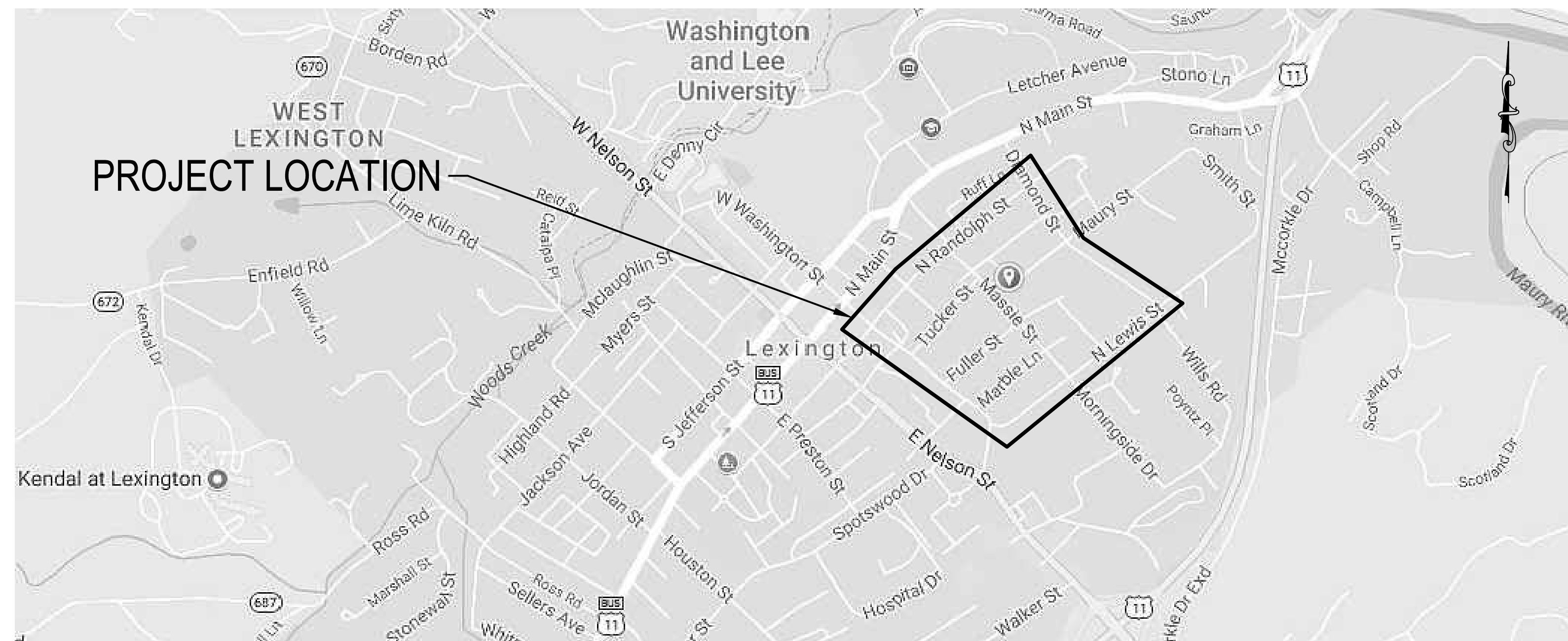


LOCATION PLAN
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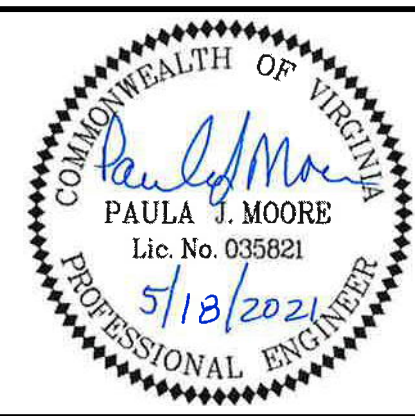
CITY OF LEXINGTON PUBLIC WORKS DIAMOND HILL AREA SEWER REPLACEMENT PROJECT

DRAWING NUMBER	DRAWING TITLE	SHEET NUMBER
G-01	COVER SHEET	1
G-02	NOTES & PROPOSED LEGEND	2
G-03	EXISTING UTILITY SCHEDULES, NOTES & EXISTING LEGEND	3
G-04	EXISTING UTILITY SCHEDULES	4
G-05	EXISTING UTILITY SCHEDULES	5
G-06	EROSION & SEDIMENT CONTROL & STORMWATER NOTES	6
G-07	EROSION & SEDIMENT CONTROL DETAILS	7
G-08	EROSION & SEDIMENT CONTROL PLAN	8
G-09	EROSION & SEDIMENT CONTROL PLAN	9
G-10	EROSION & SEDIMENT CONTROL PLAN	10
G-11	SHEET LAYOUT PLAN VIEW	11
C1-01	SANITARY SEWER REPLACEMENT PLAN "A1"	12
C1-02	SANITARY SEWER REPLACEMENT PLAN "A2, A3, A4, & A5"	13
C1-03	SANITARY SEWER REPLACEMENT PLAN "A2 & A6"	14
C1-04	SANITARY SEWER REPLACEMENT PLAN	15
C1-05	SANITARY SEWER REPLACEMENT PLAN "A7 & A8"	16
C1-06	SANITARY SEWER REPLACEMENT PLAN "A7 & A9"	17
C1-07	SANITARY SEWER REPLACEMENT PLAN "B1"	18
C1-08	SANITARY SEWER REPLACEMENT PLAN "B2 & B3"	19
C1-09	SANITARY SEWER REPLACEMENT PLAN "B2, B4, & B5"	20
C1-10	SANITARY SEWER REPLACEMENT PLAN "B2 & B11"	21
C1-11	SANITARY SEWER REPLACEMENT PLAN "B2, B6, & B7"	22
C1-12	SANITARY SEWER REPLACEMENT PLAN "B2, B7, & B10"	23
C1-13	SANITARY SEWER REPLACEMENT PLAN "B6, B7, B8, & B9"	24
C1-14	SANITARY SEWER REPLACEMENT PROFILE "A1, A3, & A4"	25
C1-15	SANITARY SEWER REPLACEMENT PROFILE "A2"	26
C1-16	SANITARY SEWER REPLACEMENT PROFILE "A5, A6, A7, & A8"	27
C1-17	SANITARY SEWER REPLACEMENT PROFILE "A9 & B2"	28
C1-18	SANITARY SEWER REPLACEMENT PROFILE "B2"	29
C1-19	SANITARY SEWER REPLACEMENT PROFILE "B1, B3, & B4"	30
C1-20	SANITARY SEWER REPLACEMENT PROFILE "B5, B6, & B8"	31
C1-21	SANITARY SEWER REPLACEMENT PROFILE "B7 & B11"	32
C1-22	SANITARY SEWER REPLACEMENT PROFILE "B9 & B10"	33
C1-23	STANDARD DETAILS	34
C1-24	STANDARD DETAILS	35
C1-25	SANITARY SEWER MANHOLE DETAILS	36
C1-26	SANITARY SEWER MANHOLE DETAILS	37
C1-27	SANITARY SEWER MANHOLE DETAILS	38
C1-28	SANITARY SEWER MANHOLE DETAILS	39



VICINITY MAP
NO SCALE

MAY 2021



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES: **PJM** SCALE: N/A
DRAWN: **RMV, DJA, JES** HORIZ: N/A
CHECK: **GWF** VERT: N/A
DATE: **05/18/21**

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

COVER

DRAWING
G-01

SHEET
1

REV	DATE	DESCRIPTION

GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT MANUAL AND CITY STANDARDS UNLESS SUPERCEDED BY THOSE OF GOVERNING STATE OR FEDERAL AUTHORITIES (VDOT, DEQ, DCR, ETC.) HAVING JURISDICTION. IN SUCH INSTANCES THE MOST STRINGENT RULES AND CRITERIA SHALL APPLY.
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 59.1-406, ET SEQ. OF THE CODE OF VIRGINIA OVERHEAD HIGH VOLTAGE LINES SAFETY ACT. COORDINATE WITH THE LOCAL POWER COMPANY TO TEMPORARILY LIFT, SUPPORT, PULL ASIDE OR DEACTIVATE ANY POWER LINES, WHICH MAY REPRESENT DANGER TO THE CONTRACTOR, WORKERS OR EQUIPMENT. CONTRACTOR SHALL PROTECT ALL UTILITY POLES ADJACENT TO THE PIPELINE EXCAVATION. ALL TEMPORARY BRACING SHALL BE PERFORMED BY THE LOCAL POWER COMPANY OR TO THEIR SATISFACTION. COORDINATE THE REMOVAL, REPLACEMENT OR REINSTALLATION OF ALL GUY CABLES (IF ANY) AND TEMPORARY SUPPORT POLES WITH LOCAL POWER COMPANY. ALL COST SHALL BE INCLUDED IN CONTRACTOR'S BID.
- TEMPORARY ACCESS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. EXCEPTIONS MUST BE APPROVED BY THE CITY OR OTHER GOVERNING JURISDICTIONS.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE VIRGINIA WORK AREA PROTECTION MANUAL AND THE MUTCD MANUAL. FLUORESCENT PRISMATIC DIAMOND GRADE LENS SHEETING SIGNS SHALL BE USED IN ALL WORK ZONES.
- OSHA REQUIREMENTS FOR WORK ZONE AND WORKER SAFETY SHALL BE STRICTLY ADHERED TO. PROTOCOLS FOR TRENCH SAFETY AND STABILITY ARE OF PARTICULAR IMPORTANCE. TEMPORARY TRENCH SUPPORT SYSTEMS SHALL BE DESIGNED AND INSPECTED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF VIRGINIA.
- THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR SECURING HIS WORK ZONE AND FOR THE PUBLIC'S SAFETY IN AND AROUND THE SITE. TEMPORARY BARRIERS, FENCING AND ADVANCE WARNING DEVICES SHALL BE EMPLOYED AS NECESSARY. IN NO CASE SHALL OPEN EXCAVATIONS, MANHOLES, VALVE BOXES, ETC. BE LEFT UNATTENDED AFTER WORK HOURS WITHOUT APPROPRIATE ADVANCED WARNING AND PROTECTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF SURROUNDING STRUCTURES, APPURTENANCES AND PROPERTY. TEMPORARY SHORING, BRACING, MATTING OR OTHER PRECAUTIONS SHALL BE USED AS CONDITIONS NECESSITATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS ARISING FROM HIS NEGLIGENCE.
- THE CONTRACTOR SHALL MAKE PROVISIONS TO MAINTAIN EMERGENCY SERVICE AND OWNER ACCESS TO ALL PROPERTIES DURING CONSTRUCTION. RESTRICTIONS TO PROPERTY INGRESS/ EGRESS MUST BE APPROVED BY THE CITY AND IMPACTED OWNERS PROVIDED 24 HOURS ADVANCE NOTICE BY THE CONTRACTOR. FIRE HYDRANTS SHALL REMAIN UNOBSTRUCTED AT ALL TIMES.
- THE CONTRACTOR SHALL MANAGE ON-SITE AND OFF-SITE STORAGE AND STOCKPILE AREA STORMWATER DISCHARGES IN ACCORDANCE WITH REQUIRED PERMITS. SWALES, DITCHES, CHANNELS, PIPES AND STRUCTURES SHALL BE KEPT CLEAN AND IN PROPER WORKING ORDER AT ALL TIMES. THE CONTRACTOR WILL BE LIABLE FOR DAMAGES ARISING FROM HIS NEGLIGENCE.
- THE CONTRACTOR SHALL OBTAIN ANY NEEDED OFF-SITE STORAGE AND STOCKPILE AREAS, AND PROVIDE EVIDENCE OF WRITTEN PERMISSION TO USE PROPERTY FOR SUCH PURPOSE, IF REQUESTED.
- CONSTRUCTION DEBRIS SHALL BE CONTAINED IN ACCORDANCE WITH THE VIRGINIA LITTER CONTROL ACT.
- ALL CONSTRUCTION SPOILS SHALL BE LAWFULLY DISPOSED OF.
- THE CONTRACTOR SHALL CALL "MISS UTILITY" AT 1-800-552-7001 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO COMMENCING EXCAVATION ACTIVITIES.
- THE ACCURACY OF THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IDENTIFIED BY THESE DRAWING IS NOT GUARANTEED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THIS INFORMATION PRIOR TO CONSTRUCTION. DISCREPANCIES IMPACTING DESIGN SHALL BE BROUGHT TO THE CITY'S IMMEDIATE ATTENTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES WITHIN THE WORK ZONE DURING CONSTRUCTION. SHOULD THESE FACILITIES BE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE IMPACTED UTILITY COMPANY, OR OWNER. ALL DAMAGES WILL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- THE CONTRACTOR SHALL EXCAVATE TEST PITS TO DETERMINE THE DEPTH AND SIZE OF ALL CROSSING UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- CLEARANCES REQUIRED BY THE VIRGINIA DEPARTMENT OF HEALTH SHALL BE MAINTAINED BETWEEN THE PROPOSED SANITARY SEWERS AND EXISTING WATER MAIN. CLEARANCE TO OTHER UTILITIES SHALL BE AS SHOWN ON THE DRAWINGS.
- TEMPORARILY BRACE OR OTHERWISE SUPPORT AND PROTECT ALL EXISTING UTILITIES, WHICH ARE EXPOSED DURING EXCAVATION SO AS TO NOT DAMAGE OR WEAKEN THEM. ANY DAMAGED UTILITIES SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL MAINTAIN UTILITY SERVICE TO ALL CUSTOMERS THROUGHOUT CONSTRUCTION. ALL OUTAGES MUST BE PRE-APPROVED BY THE APPLICABLE AUTHORITIES AND IMPACTED CUSTOMERS NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE.
- THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY ENGINEER AT LEAST SEVEN (7) DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE CITY'S PUBLIC WORKS DEPARTMENT AT 540-463-3154 AT LEAST THREE (3) DAYS PRIOR TO CONSTRUCTION.
- REGULAR WORKING HOURS SHALL BE BETWEEN 8:00 AM AND 5:00 PM, MONDAY THROUGH FRIDAY. WORK OUTSIDE OF THESE HOURS, ON WEEKENDS, AND ON HOLIDAYS MUST BE PRE-APPROVED BY THE CITY. DEPENDING ON PROJECT COMPLEXITY AND DURATION, WORK ADJACENT TO SCHOOLS OR IN THE CITY'S CENTRAL BUSINESS DISTRICT MAY HAVE SPECIAL WORK HOUR RESTRICTIONS IMPOSED.
- REGULAR PROGRESS MEETINGS WILL BE SCHEDULED AT THE CITY'S DISCRETION DEPENDING UPON PROJECT COMPLEXITY AND DURATION.
- THE PROJECT MANUAL AND DRAWINGS AND ALL ASSOCIATED PERMITS SHALL BE MAINTAINED AT THE SITE AT ALL TIMES.

- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE A RIGHT-OF-WAY PERMIT. THIS PERMIT MAY BE OBTAINED FROM THE CITY'S PUBLIC WORKS DEPARTMENT. THE FEE FOR THIS PERMIT IS WAIVED FOR ALL CITY ADMINISTERED PROJECTS. ALL ANTICIPATED ROADWAY OR PEDESTRIAN SIDEWALK IMPACTS, PROJECT HAUL ROUTES, OR SPECIAL TRAFFIC ASSISTANCE NEEDS, MUST BE ADDRESSED BY THE CONTRACTOR AND APPROVED BY THE CITY AT THIS TIME. DEPENDING ON PROJECT COMPLEXITY, THE CITY MAY REQUIRE THE CONTRACTOR TO SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL PRIOR TO ISSUANCE OF THE RIGHT-OF-WAY PERMIT.
- DEPENDENT ON THE NATURE OF THE WORK, ADDITIONAL COUNTY, STATE OR FEDERAL PERMITS MAY BE REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THESE PERMITS PRIOR TO CONSTRUCTION.
- DENSITY AND CONCRETE TESTING SHALL BE PERFORMED BY STATE CERTIFIED LABORATORIES.
- ALL TEST RESULTS SHALL BE SUBMITTED TO THE CITY.
- PAVEMENT RESTORATION SHALL BE IN ACCORDANCE WITH DETAIL G-01 AND THE PROJECT MANUAL. THE ROAD MAY BE OPENED TO TRAFFIC WITH THE BM-25A BINDER COURSE INSTALLED AND PLACED TO SAFELY ACCOMMODATE TRAFFIC AND THE FINAL SURFACE COURSE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THIS PAVEMENT UNTIL THE FINAL SURFACE COURSE IS INSTALLED. IN NO INSTANCE WILL THE CONTRACTOR BE ALLOWED TO OPEN TRAFFIC WITH VERTICAL DROP-OFFS ADJACENT TO THE TRAVEL LANE EXCEEDING TWO (2) INCHES. A LEGAL TRAVEL LANE SHALL BE A MINIMUM TEN (10) FOOT WIDTH.
- RESTORE THE SURFACE OF ALL EXCAVATIONS TO THE ORIGINAL LINE AND GRADE. REINSTALL OR REPLACE ALL EXISTING IMPROVEMENTS, INCLUDING MAILBOXES, FENCING, LANDSCAPING, PRIVATE LIGHT POLES, SIDEWALKS, CONCRETE APRONS, DRIVEWAYS, CURB & GUTTER, CONCRETE DITCHES, GUARDRAIL, ETC. DISTURBED BY THE CONTRACTOR WHETHER SPECIFICALLY CALLED OUT ON THE DRAWINGS OR NOT. CONTRACTOR IS OBLIGATED TO SURVEY THE ROUTE PRIOR TO BID TO IDENTIFY ALL SUCH ITEMS AND TO INCLUDE THE COSTS OF SUCH ITEMS IN THEIR BID.
- CONTRACTOR SHALL REPAIR/REPLACE ALL TRAFFIC CONTROL FACILITIES DAMAGED DURING CONSTRUCTION INCLUDING ALL PAVEMENT MARKINGS AND STRIPING, RUMBLE STRIPS, AND SIGNAL CONTROL WIRING. COST FOR REPAIR/REPLACEMENT SHALL BE INCLUDED IN THE COST FOR INSTALLATION OF ASPHALT CONCRETE SURFACE COURSE.
- THE CONTRACTOR SHALL NOT EXCAVATE MORE TRENCH LENGTH THAN CAN BE RESTORED TO GRADE THAT SAME WORK DAY. ALL TRENCHES SHALL BE BACKFILLED OR PLATED AT THE END OF EACH WORK DAY OR WHEN THE CONTRACTOR IS NOT ON SITE.
- ITEMS TO BE DEMOLISHED SHALL BE NEATLY SAW CUT WITH A CLEAN VERTICAL FACE AND STRAIGHT HORIZONTAL ALIGNMENT. REPAIRS TO ASPHALT PAVEMENTS SHALL BE SQUARE AND OF A WIDTH TO ACCOMMODATE PROPER COMPACTION EQUIPMENT. CONCRETE INFRASTRUCTURE SHALL BE REMOVED TO THE NEAREST JOINT. CONCRETE ENTRANCES SHALL BE REPLACED TO THE CENTERLINE AT MINIMUM. BRICK PAVERS SHALL BE PRESERVED AND REPLACED IN AN EQUAL AND CONTINUOUS PATTERN.
- EXISTING CONDITIONS MAY NECESSITATE DEVIATIONS FROM PLAN LINE AND GRADE. ALL FIELD ADJUSTMENTS SHALL BE APPROVED BY THE CITY OR ITS REPRESENTATIVE. CHANGES IN CONTRACT SCHEDULE OR PRICE WILL NOT BE ACCEPTED WITHOUT THIS APPROVAL.
- FIELD CHANGES SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO SUCH CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SITE AND ALL PROPOSED IMPROVEMENTS UNTIL FINAL ACCEPTANCE BY THE CITY. UPON ACCEPTANCE, THE CONTRACTOR SHALL WARRANT ALL IMPROVEMENTS FOR A PERIOD OF ONE (1) YEAR.
- THE CONTRACTOR SHALL PROVIDE THE CITY WITH SURVEYED RECORD DRAWINGS PRIOR TO FINAL ACCEPTANCE. THIS SUBMISSION SHALL CONSIST OF TWO (2) PHYSICAL COPIES AND ONE (1) DIGITAL COPY.

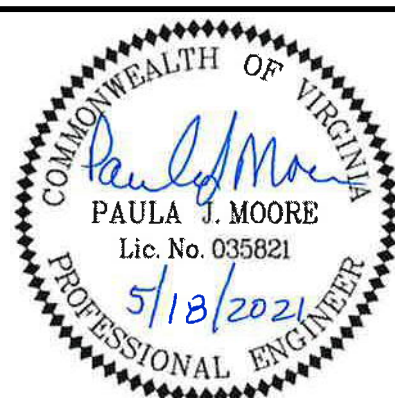
SYMBOL LEGEND (PROPOSED)

- s — s — SANITARY SEWER MAIN (SDR-21 UNLESS OTHERWISE NOTED)
- SANITARY SEWER MANHOLE
- CO 4" SANITARY SERVICE LATERAL UNLESS OTHERWISE NOTED, SEE DETAIL S-11 UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL LOCATE AND CONNECT TO EXISTING SANITARY SEWER LATERAL WITH FERNCO COUPLING, SEE DETAIL S-13, AND INSTALL OR REPLACE WITH NEW CLEANOUT.
- - - - - SANITARY SEWER MAIN TO BE ABANDONED
- w — w — PROPOSED WATER MAIN (SEE DIAMOND HILL AREA WATER SYSTEM IMPROVEMENTS PLANS)
- - - - - WATER MAIN TO BE ABANDONED (SEE DIAMOND HILL AREA WATER SYSTEM IMPROVEMENTS)
- ⊗ RESTORATION FOR DEMOLISHED VALVE VAULT OR BOX (SEE DIAMOND HILL AREA WATER SYSTEM IMPROVEMENTS)

PROJECT NOTES:

- PERFORM TEST EXCAVATIONS FOR ALL NEW MANHOLES PRIOR TO SHOP DRAWING PREPARATION TO CONFIRM SEWER CONNECTION ALIGNMENT, DEPTH, AND SIZE.
- PROVIDE TEMPORARY SUPPORT FOR POWER POLES AS NEEDED. COORDINATE WITH UTILITY OWNER AND FOLLOW ALL REGULATIONS AND GUIDANCE.
- PRUNE TREES AS NEEDED TO AVOID TEARING LIMBS AND ROOTS. COORDINATE WITH CITY AND LAND OWNER THREE DAYS IN ADVANCE OF PAVING.
- WHEN EXCAVATING WITHIN THE CRITICAL ROOT ZONE (CRZ)/DRIPLINE OF ANY TREE OR SHRUB, CONTRACTOR SHALL PERFORM THE FOLLOWING:
 - PROTECT THE TRUNKS OF TREES FROM SCRAPING AND GOUGING TO A HEIGHT OF AT LEAST EIGHT FEET.
 - PLACE EXCAVATED MATERIAL OUTSIDE THE CRZ.
 - PRUNE JAGGED ROOTS BACK TO THE TRENCH WALL CLOSEST TO THE TREE. USE A HANDHELD PRUNER OR PRUNING SAW TO MAKE SHARP, CLEAN CUTS.
 - REPLACE THE BACKFILL ON THE SAME DAY. COVER EXPOSED ROOTS TO PREVENT DRYING OUT.
- BYPASS PUMPING DURING SEWER INSTALLATION
 - THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR MAINTAINING SEWER FLOWS DURING THE WORK TO INCLUDE ANY REQUIRED BYPASS PUMPING OF WASTEWATER BETWEEN MANHOLES DURING INSTALLATION OF SEWER LINES AND/OR MANHOLES. BYPASS PUMPING SYSTEM SHALL PROVIDE CONTINUOUS FULL CONVEYANCE AND CONTAINMENT OF WASTEWATER PRESENT DURING THE WORK AND SHALL NOT SURCHARGE THE UPSTREAM (SUCTION) MANHOLE BY MORE THAN TWO FEET (2') ABOVE THE MANHOLE INVERT. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY BACKUPS OR OVERFLOWS.
 - THE CONTRACTOR SHALL FURNISH ALL PUMPS, PIPE, FITTINGS, PLUGS, ETC. REQUIRED TO PERFORM BYPASS PUMPING OPERATION. BACKUP OR REPLACEMENT PUMPING EQUIPMENT SHALL BE AVAILABLE TO THE PROJECT SITE TO ENSURE THAT CONTINUOUS BYPASS PUMPING CAN BE PROVIDED. ALL PUMPING EQUIPMENT SHALL BE PROVIDED WITH SUFFICIENT MUFFLERS TO PREVENT EXCESSIVE NOISE.
 - AUTHORIZATION FROM THE CITY SHALL BE REQUIRED TO UTILIZE BYPASS PUMPING OVERNIGHT OR DURING THE WEEKENDS. IN THE EVENT IT IS NOT POSSIBLE TO TEMPORARILY RECONNECT SEWER LINES AT THE END OF THE WORK DAY OR OVER WEEK-ENDS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OPERATING AND MAINTAINING BYPASS PUMP OPERATIONS AROUND THE CLOCK TO INSURE CONTINUED CONVEYANCE OF EXISTING WASTEWATER FLOWS. PERSONNEL SHALL BE PRESENT TO MONITOR THE BYPASS PUMPING SYSTEM AT ALL TIMES WHEN IT IS IN OPERATION.
 - BYPASS PUMPING SHALL NOT BE DIVERTED TO ANOTHER SANITARY SEWER SYSTEM WITHOUT THE APPROVAL OF THE CITY.
 - A BYPASS PUMPING PLAN SHALL BE SUBMITTED FOR APPROVAL PRIOR TO BEGINNING THE WORK. THIS PLAN SHALL OUTLINE THE BYPASS PUMPING PROCEDURES AND INCLUDE THE CAPACITY AND COMPONENTS OF ALL BY-PASS PUMPING EQUIPMENT.
- CERTAIN PORTIONS OF THE DIAMOND HILL AREA WATER IMPROVEMENTS ARE REPLICATED ON THIS PLAN SET FOR REFERENCE ONLY. FOR CLARITY, NOT ALL WORK ASSOCIATED WITH THE DIAMOND HILL AREA WATER IMPROVEMENTS IS SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL PROPOSED WORK SHOWN ON THIS PLAN SET AND THE DIAMOND HILL AREA WATER IMPROVEMENTS PLAN SET, INCLUDING COORDINATION BETWEEN OVERLAPPING AND/OR ADJACENT UTILITY CONSTRUCTION.
- ADHERE TO THE FULL CONDITIONS OF THE U.S. ARMY CORPS OF ENGINEERS NATIONWIDE PERMIT 18 IN ITS ENTIRETY (ATTACHED AS APPENDIX B).
- THE CONTRACTOR SHALL OBTAIN COVERAGE UNDER AND ADHERE TO THE FULL CONDITIONS OF THE GENERAL VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM (VPDES) PERMIT OF DISCHARGES OF STORMWATER FROM CONSTRUCTION ACTIVITIES (ATTACHED AS APPENDIX C). THE CITY OF LEXINGTON HAS PREVIOUSLY SUBMITTED A DRAFT REGISTRATION STATEMENT TO THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ), INCLUDED IN APPENDIX C, WHICH SHALL BE TRANSFERRED TO THE CONTRACTOR THROUGH THE SUBMITTAL OF A COMPLETED REGISTRATION STATEMENT BY THE CONTRACTOR TO DEQ.
- IF AN UNDERGROUND CAVITY OR CAVE IS ENCOUNTERED DURING CONSTRUCTION, IMPLEMENT STRICT EROSION AND SEDIMENT CONTROL MEASURES TO PREVENT RUNOFF FROM ENTERING THE FEATURE.

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CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES:	PJM	SCALE:	N/A
DRAWN:	RMV, DJA, JES	HORIZ:	N/A
CHECK:	GWF	VERT:	N/A
DATE:	05/18/21		

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

NOTES & PROPOSED LEGEND

REV	DATE	DESCRIPTION

DRAWING	SHEET
G-02	2

N:\46815-000\CAD\DWG\San Sewer\46815006 C-04.dwg May 18, 2021 - 8:24am

SANITARY SEWER MANHOLE SCHEDULE

Table with columns: Struc. No., Rim Elevation, Invert, Desc., Struct. Description. Rows A through V3 listing manhole details.

SANITARY SEWER MANHOLE SCHEDULE

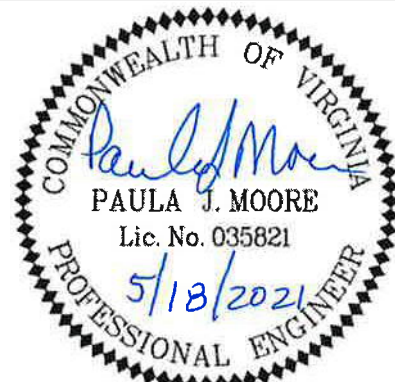
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SANITARY SEWER MANHOLE SCHEDULE

Table with columns: Struc. No., Rim Elevation, Invert, Desc., Struct. Description. Rows AU through BR listing manhole details.

SANITARY SEWER MANHOLE SCHEDULE

Table with columns: Struc. No., Rim Elevation, Invert, Desc., Struct. Description. Rows BS through BU listing manhole details.



Whitman, Reardon & Associates, LLP
1700 Kraft Dr, Suite 1200, Blacksburg, VA 24060

CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES: PJM
DRAWN: RMV, DJA, JES
CHECK: GWF
DATE: 05/18/21
SCALE: N/A
HORIZ: N/A
VERT: N/A

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

EXISTING UTILITY SCHEDULES

DRAWING
G-04

SHEET
4

Table with columns: REV, DATE, DESCRIPTION. Header row and one empty row.

EROSION AND SEDIMENT CONTROL NARRATIVE:

PROJECT DESCRIPTION:
Installation of approximately 10,410 linear feet of 4-inch through 12-inch sanitary sewer main, including all necessary services and appurtenances within the City of Lexington, Virginia.

AREA OF DISTURBANCE:
Total Disturbed Area: 147,195 Sq.Ft. (3.38 ACRES)
Total Impervious Area: 58,763 Sq.Ft. (1.35 ACRES)
Total Pervious Area: 88,432 Sq.Ft. (2.03 ACRES)

EXISTING SITE CONDITIONS:
Existing site conditions are shown on the attached plan sheets.

ADJACENT PROPERTY:
Ownership, tax map number relevant easement references, streams, and roads are shown for each adjacent and/or affected property.

OFF-SITE AREAS:
If off-site areas are required, then the location of all off-site fill, borrow, and/or staging areas associated with the construction of this project shall be provided by the contract to the City of Lexington prior to the pre-construction meeting. An ESC plan or measures will be required for these areas.

SOILS:
The following soils information is according to the SCS soils information from the NRCS Web Soil Survey:
- 29C - Groseclose-Needmore-Urban land complex, 0-15% slopes (90.3% of site)
- 44E - Needmore-Urban land complex, 15-35% slopes (9.7% of site)

CRITICAL EROSION AREAS:
Early establishment and proper maintenance of perimeter controls will provide sedimentation control. Stabilize and maintain steep slopes, ditches, and exposed soil throughout project construction to control erosion.

EROSION AND SEDIMENT CONTROL MEASURES:
Unless otherwise indicated, all vegetative and structural erosion and sediment control practices shall be constructed and maintained according to minimum standards and specifications of the "Virginia Erosion and Sediment Control Handbook, Third Edition" (VESCH). The minimum standards of the VESCH shall be adhered to unless otherwise directed by the City.

STRUCTURAL PRACTICES:
CONSTRUCTION ENTRANCE - 3.02: Construction entrance shall be installed to reduce the amount of mud transported onto paved public roads by motor vehicles or runoff.
SILT FENCE - 3.05: Silt fence sediment barriers shall be installed downslope of areas with minimal grades to filter sediment-laden runoff from sheet flow as indicated.
STORM DRAIN INLET PROTECTION - 3.07: Stone filters shall be placed at the inlet of all drainage structures as indicated.
CULVERT INLET PROTECTION - 3.08: Culvert inlet protection shall be installed to prevent sediment from entering, accumulating in, and being transferred by a culvert and associated drainage system prior to permanent stabilization of the disturbed project area.
UTILITY STREAM CROSSING - 3.25: Utility stream crossing shall be installed when stream diversion is not practical and stream is wide enough (10 feet or wider) to make cofferdam installation practical.
DEWATERING STRUCTURE - 3.26: Dewatering structure shall be placed to filter sediment-laden water prior to the water being discharged off-site.

PERMANENT STABILIZATION:
All grassed areas disturbed by construction shall be stabilized with permanent seeding immediately following finish grading. Seeding shall be in accordance with Std. & Spec. 3.32, Permanent Seeding. All seed type shall be as specified for "minimum care lawns" and "general slopes" in the VESCH. Mulch shall be used on all seeded surfaces. In all seeding operations, seed, fertilizer, and lime shall be applied prior to mulching.

MANAGEMENT STRATEGIES:
1. Construction shall be sequenced so that grading operations can begin and end as quickly as possible.
2. Isolate trenching for utilities and drainage from downstream conveyances in order to minimize perimeter controls.
3. All cut and fill slopes shall be seeded within seven (7) days of achieving final grade.
4. All erosion and sediment control practices shall be maintained until they are no longer required to comply with the contract documents or state law. Only after inspection and approval from the City may items be removed following the stabilization of contributing areas.

INSPECTIONS:
The general contractor shall inspect disturbed areas of the site that have not been fully stabilized, areas used for materials storage and stockpile areas which are exposed to precipitation, structural control measures, and construction vehicle access areas at least every fourteen (14) calendar days, and within forty-eight (48) hours of the end of a storm event producing one-half (1/2) inch or greater of precipitation. Where areas have been permanently or temporarily stabilized, or runoff is unlikely due to winter conditions, such inspections shall be conducted at least once every month.

Inspect disturbed areas, materials storage areas and stockpile areas which are exposed to precipitation for evidence of, or the potential for sediment entering the storm drain system. Inspect erosion and sediment control measures in accordance with requirements stated in the contract documents, and inspect storm drain discharge points for excessive sedimentation. Correct site controls as required to reduce sedimentation of storm drains, culverts, and receiving channels.

If controls or sediment prevention areas are found to need repair or modification, the general contractor shall provide additional measures or modifications as required. Any additional measures or modifications to existing controls shall be recorded as field revisions to these plans. In the event that additional controls are found to be required, the general contractor shall be responsible for implementing and installing these controls before the next anticipated storm event.

A report summarizing the scope of inspections, name of inspector, inspector's certification, dates of inspections, major observations pertaining to the implementation of these erosion control plans, and actions taken shall be documented and retained as a part of these plans. Major observations shall include: the locations of excessive sedimentation from the site, locations of controls requiring repair, locations of failed or inadequate controls, and locations where additional controls are necessary.

MINIMUM STANDARDS:

The following standards are to be provided or addressed on every project exceeding 10,000 S.F. in area of disturbance. These standards are considered a minimum and may require additional measures as deemed necessary by the local approving Authority or the consulting Engineer.

No.	CRITERIA, TECHNIQUE, OR METHOD	PRACTICES PROVIDED
1.	Permanent or temporary soil stabilization shall be applied to denuded areas within seven days after final grade is reached on any portion of the site. Temporary soil stabilization shall be applied within seven (7) days to denuded areas that may not be at final grade but will remain dormant for longer than fourteen (14) days. Permanent stabilization shall be applied to areas that are to be left dormant for more than one (1) year.	(TS) (PS) (MU) FOR ALL DENUDED AREAS
2.	During construction of the project, soil stockpiles and borrow areas shall be stabilized or protected with sediment trapping measures. The applicant is responsible for the temporary protection and permanent stabilization of all soil stockpiles on site as well as borrow areas and soil intentionally transported from the project site.	(TS) (PS) (MU) (SF) FOR PROVIDED STOCKPILE
3.	A permanent vegetative cover shall be established on denuded areas not otherwise permanently stabilized. Permanent vegetation shall not be considered established until a ground cover is achieved that is uniform, mature enough to survive and will inhibit erosion.	(TS) (PS) (MU) FOR ALL DENUDED AREAS
4.	Sediment basins and traps, perimeter dikes, sediment barriers and other measures intended to trap sediment shall be constructed as a first step in any land-disturbing activity and shall be made functional before upslope land disturbance takes place.	(ST) FOR ALL DRAINAGE DIVIDES
5.	Stabilization measures shall be applied to earthen structures such as dams, dikes and diversions immediately after installation.	(TS) (PS) (MU) FOR ALL EARTHEN STRUCTURES
6.	Sediment traps and sediment basins shall be designed and constructed based upon the total drainage area to be served by the trap or basin.	NOT APPLICABLE
7.	Cut and fill slopes shall be designed and constructed in a manner that will minimize erosion. Slopes that are found to be eroding excessively within one (1) year of permanent stabilization shall be provided with additional slope stabilizing measures until the problem is corrected.	(TS) (PS) (MU) FOR ALL ERODING SLOPES
8.	Concentrated runoff shall not flow down cut or fill slopes unless contained within an adequate temporary or permanent channel, flume or slope drain structure.	NOT APPLICABLE
9.	Whenever water seeps from a slope face, adequate drainage or other protection shall be provided. Should seeps occur in any existing cut or fill slope, the contractor shall ensure ponded water does not exist at the top of the slope; and contact the the City for further evaluation.	PROVIDE ADEQUATE DRAINAGE
10.	All storm sewer inlets that are made operable during construction shall be protected so that sediment-laden water cannot enter the conveyance system without first being filtered or otherwise treated to remove sediment.	(IP) (CIP) (DS) FOR ALL STORM WATER INTAKES
11.	Before newly constructed stormwater conveyance channels or pipes are made operational, adequate outlet protection and any required temporary or permanent channel lining shall be installed in both the conveyance channel and receiving channel.	NOT APPLICABLE
12.	When work in a live watercourse is performed, precautions shall be taken to minimize encroachment, control sediment transport and stabilize the work area to the greatest extent possible during construction. nonerodible material shall be used for the construction of causeways and cofferdams. Earthen fill may be used for these structures if armored by nonerodible cover materials.	(USC)
13.	When a live watercourse must be crossed by construction vehicles more than twice in any six-month period, a temporary vehicular stream crossing constructed of nonerodible material shall be provided.	(SC)
14.	All applicable federal, state and local requirements pertaining to working in or crossing live watercourses shall be met.	(DS)
15.	The bed and banks of a watercourse shall be stabilized immediately after work in the watercourse is completed.	(RR)
16.	Underground utility lines shall be installed in accordance with the following standards in addition to other applicable criteria: a. No more than 500 linear feet of trench may be opened at one time. b. Excavated material shall be placed on the uphill side of trenches. c. Effluent from dewatering operations shall be filtered or passed through an approved sediment trapping device, or both, and discharged in a manner that does not adversely affect flowing streams or off-site property. d. Material used for backfilling trenches shall be properly compacted in order to minimize erosion and promote stabilization. e. Restabilization shall be accomplished in accordance with this chapter. f. Applicable safety requirements shall be complied with.	(TS) (PS) (MU)
17.	Where construction vehicle access routes intersect paved or public roads, provisions shall be made to minimize the transport of sediment by vehicular tracking onto the paved surface. Where sediment is transported onto a paved or public road surface, the road surface shall be cleaned thoroughly at the end of each day. Sediment shall be removed from the roads by shoveling or sweeping and transported to a sediment control disposal area. Street washing shall be allowed only after sediment is removed in this manner. This provision shall apply to individual development lots as well as to larger land-disturbing activities.	(CE) FOR ALL POINTS OF INGRESS/EGRESS
18.	All temporary erosion and sediment control measures shall be removed within thirty (30) days after final site stabilization or after the temporary measures are no longer needed, unless otherwise authorized by the local program authority. Trapped sediment and the disturbed soil areas resulting from the disposition of temporary measures shall be permanently stabilized to prevent further erosion and sedimentation.	(TS) (PS) (MU)
19.	Properties and waterways downstream from development sites shall be protected from sediment deposition, erosion and damage due to increases in volume, velocity and peak flow rate of stormwater runoff for the stated frequency storm of 24-hour duration in accordance with the applicable criteria. a. Concentrated stormwater runoff leaving a development site shall be discharged directly into an adequate natural or man-made receiving channel, pipe, or storm sewer system. For those sites where runoff is discharged into a pipe or pipe system, downstream stability analyses at the outfall of the pipe or pipe system shall be performed. b. Adequacy of all channels and pipes shall be verified in the following manner: (1) The applicant shall demonstrate that the total drainage area to the point of analysis within the channel is one hundred times greater than the contributing drainage area of the project in question; or (2) (a) Natural channels shall be analyzed by the use of a two-year storm to verify that stormwater will not overtop channel banks nor cause erosion of channel bed or banks; and (b) All previously constructed man-made channels shall be analyzed by the use of a ten-year storm to verify that stormwater will not overtop its banks and by the use of a two-year storm to demonstrate that stormwater will not cause erosion of channel bed or banks; and (c) Pipes and storm sewer systems shall be analyzed by the use of a ten-year storm to verify that stormwater will be contained within the pipe or system. c. If existing natural receiving channels or previously constructed man-made channels or pipes are not adequate, the applicant shall: (1) Improve the channel to a condition where a ten-year storm will not overtop the banks and a two-year storm will not cause erosion to the channel bed or banks; or (2) Improve the pipe or pipe system to a condition where the ten-year storm is contained within the appurtenances; or (3) Develop a site design that will not cause the pre-developmental peak runoff rate from a two-year storm to increase when runoff outfalls into a natural channel or will not cause the pre-developmental peak runoff rate from a ten-year storm to increase when runoff outfalls into a man-made channel; or (4) Provide a combination of channel improvement, stormwater detention, or other measures which are satisfactory to the plan-approving authority to prevent downstream erosion. d. The applicant shall provide evidence of permission to make the improvements. e. All hydrologic analyses shall be based on the existing watershed characteristics and the ultimate development of the subject project. f. If the applicant chooses an option that includes stormwater detention they shall obtain approval from the locality of a plan for maintenance of the detention facilities. The plan shall set forth the maintenance requirements of the facility and the person responsible for performing the maintenance. g. Outfall from a detention facility shall be discharged to a receiving channel, and energy dissipators shall be placed at the outfall of all detention facilities as necessary to provide a stabilized transition from the facility to the receiving channel. h. All on-site channels must be verified to be adequate. i. Increased volumes of sheet flows that may cause erosion or sedimentation on adjacent property shall be diverted to a stable outlet, adequate channel, pipe or pipe system, or to a detention facility. j. In applying these stormwater runoff criteria, individual lots or parcels in a residential, commercial, or industrial development shall not be considered to be separate development projects. Instead, the development, as a whole, shall be considered to be a single development project. Hydrologic parameters that reflect the ultimate development condition shall be used in all engineering calculations. k. All measures used to protect properties and waterways shall be employed in a manner which minimizes impacts on the physical, chemical, and biological integrity of rivers, streams, and other waters of the state.	(TS) (PS) (MU) (SF) (IP) (CIP)

EROSION & SEDIMENT CONTROL LEGEND
(REF. VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK, LATEST EDITION)

- (CE) STD. & SPEC. 3.02 CONSTRUCTION ENTRANCE
- (SF) STD. & SPEC. 3.05 SILT FENCE
- (IP) STD. & SPEC. 3.07 INLET PROTECTION
- (CIP) STD. & SPEC. 3.08 CULVERT INLET PROTECTION
- (OP) STD. & SPEC. 3.18 OUTLET PROTECTION
- (RR) STD. & SPEC. 3.19 RIPRAP
- (SC) STD. & SPEC. 3.24 TEMPORARY VEHICULAR STREAM CROSSING
- (JSC) STD. & SPEC. 3.25 UTILITY STREAM CROSSING
- (DS) STD. & SPEC. 3.26 DEWATERING STRUCTURE
- (TO) STD. & SPEC. 3.30 TOPSOILING
- (TS) STD. & SPEC. 3.31 TEMPORARY SEEDING
- (PS) STD. & SPEC. 3.32 PERMANENT SEEDING
- (MU) STD. & SPEC. 3.35 MULCHING
- (B/M) STD. & SPEC. 3.36 SOIL STABILIZATION BLANKET

MAINTENANCE (REFER TO "MINIMUM STANDARDS" FOR ADDITIONAL INFORMATION):

THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF ALL EROSION CONTROL MEASURES ON SITE. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED DAILY AND AFTER EACH RUN-OFF PRODUCING RAINFALL. THE FOLLOWING ITEMS SHALL BE CHECKED IN PARTICULAR:

1. SILT FENCE, AFTER EVERY STORM EVENT TO ENSURE EFFECTIVE OPERATION AND REMOVE SEDIMENT WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.
2. PROVIDE PERIODIC TOP DRESSING OF CONSTRUCTION ENTRANCES WITH ADDITIONAL STONE AND REPAIR OR CLEAN OUT ANY OF THE STRUCTURES USED TO TRAP SEDIMENT.
3. CHECK GRAVEL INLET PROTECTION FOR SEDIMENT BUILDUP WHICH WILL PREVENT DRAINAGE. IF THE GRAVEL IS CLOGGED BY SEDIMENT, REMOVE AND CLEAN, OR REPLACE.
4. CHECK THE SEEDED AREAS TO ENSURE THAT A STAND OF GRASS IS MAINTAINED. FERTILIZE AND RESEED AS NEEDED.

EROSION & SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION:

1. THE CONTRACTOR SHALL INSTALL THE PERIMETER EROSION AND SEDIMENT CONTROL MEASURES INCLUDING SILT FENCE AND CULVERT INLET PROTECTION BEFORE ANY LAND DISTURBANCE TAKES PLACE.

MAINTENANCE OF SLOPES:

1. WHEN IT IS CLEAR THAT PLANTS HAVE NOT GERMINATED ON THE AREA OR HAVE DIED, THESE AREAS MUST BE RESEED IMMEDIATELY TO PREVENT EROSION DAMAGE. HOWEVER, IT IS EXTREMELY IMPORTANT TO DETERMINE FOR WHAT REASON GERMINATION DID NOT TAKE PLACE AND MAKE ANY CORRECTIVE ACTION NECESSARY PRIOR TO RESEEDING THE AREA.
2. ALL MULCHES AND SOIL COVERINGS SHOULD BE INSPECTED PERIODICALLY (PARTICULARLY AFTER RAINSTORMS) TO CHECK FOR EROSION. WHERE EROSION IS OBSERVED IN MULCHED AREAS, ADDITIONAL MULCH SHOULD BE APPLIED. NETS AND MATS SHOULD BE INSPECTED AFTER RAINSTORMS FOR DISLOCATION OR FAILURE. IF WASHOUTS OR BREAKAGE OCCUR, RE-INSTALL NETTING OR MATTING AS NECESSARY AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. INSPECTIONS SHOULD TAKE PLACE UP UNTIL GRASSES ARE FIRMLY ESTABLISHED. WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTINGS, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE; REPAIR AS NEEDED.
3. ALL SOIL STABILIZATION BLANKETS AND MATTING SHOULD BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION, PARTICULARLY AFTER RAINSTORMS TO CHECK FOR EROSION AND UNDERMINING. ANY DISLOCATION OR FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL WHICH TIME THEY BECOME PERMANENTLY STABILIZED; AT THAT TIME AN ANNUAL INSPECTION SHOULD BE ADEQUATE.

STORMWATER NOTES:

1. CONTRACTOR SHALL NOT DISTURB MORE THAN ONE (1) ACRE OF LAND ON A DAILY BASIS.
2. CONTRACTOR SHALL ADEQUATELY STABILIZE THE WORK ON A DAILY BASIS.
3. CONTRACTOR SHALL PROTECT THE WORK AND DOWNSTREAM AREAS FROM EROSION AND SEDIMENTATION DAMAGE.
4. CONTRACTOR SHALL MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS.
5. CONTRACTOR SHALL MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON-SITE TO PRECIPITATION AND TO STORMWATER.
6. CONTRACTOR SHALL MINIMIZE THE DISCHARGE OF POLLUTANTS FROM SPILLS AND LEAKS AND IMPLEMENT CHEMICAL SPILL AND LEAK PREVENTION AND RESPONSE PROCEDURES.
7. THE DISCHARGE OF WASTEWATER FROM THE WASHOUT OF CONCRETE IS PROHIBITED.
8. THE DISCHARGE OF WASTEWATER FROM THE WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS IS PROHIBITED.
9. THE DISCHARGE OF FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE IS PROHIBITED.

REV	DATE	DESCRIPTION

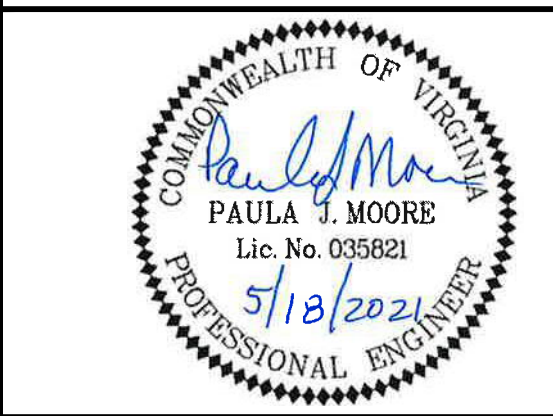
EROSION & SEDIMENT CONTROL & STORMWATER NOTES

DRAWING SHEET
G-06 6

CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

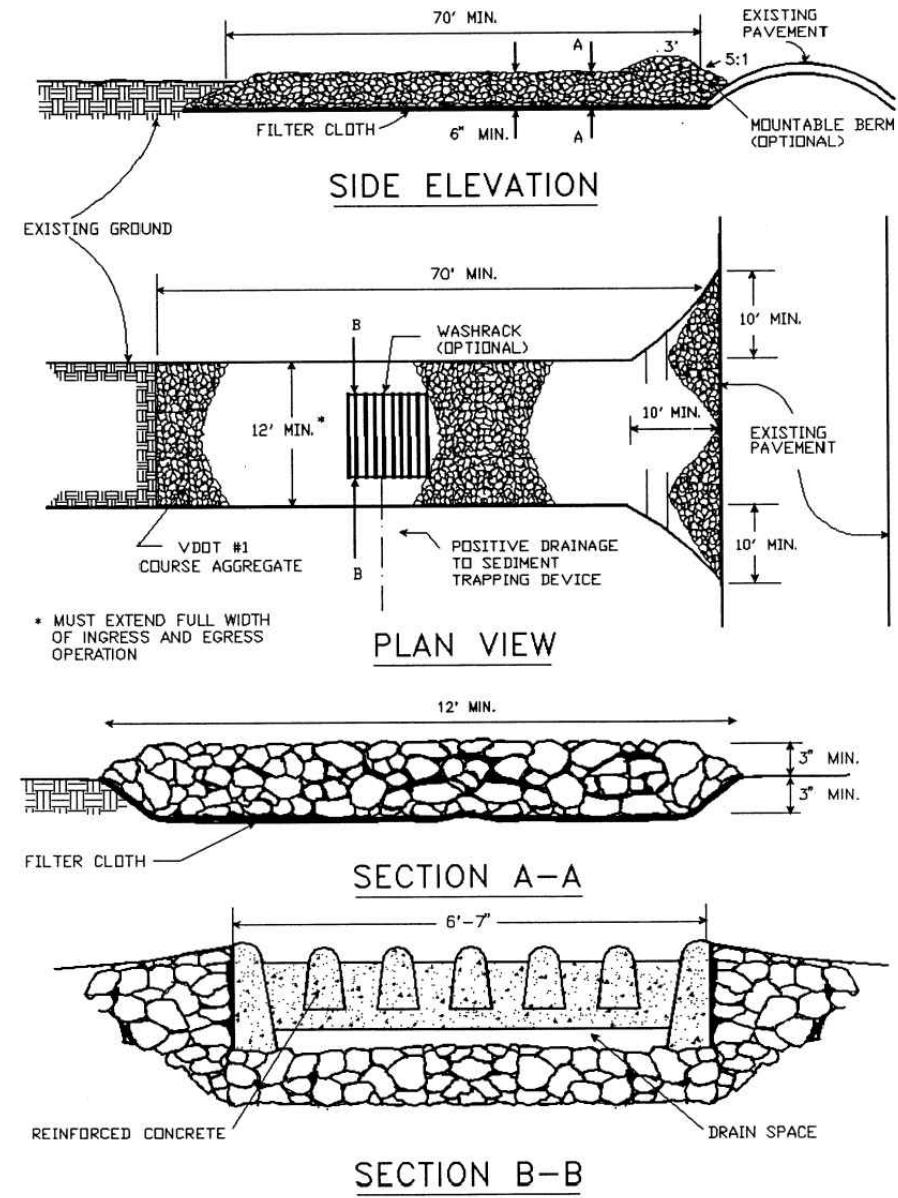
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DATE: 05/18/21	

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT



1992 (CE) 3.02

STONE CONSTRUCTION ENTRANCE

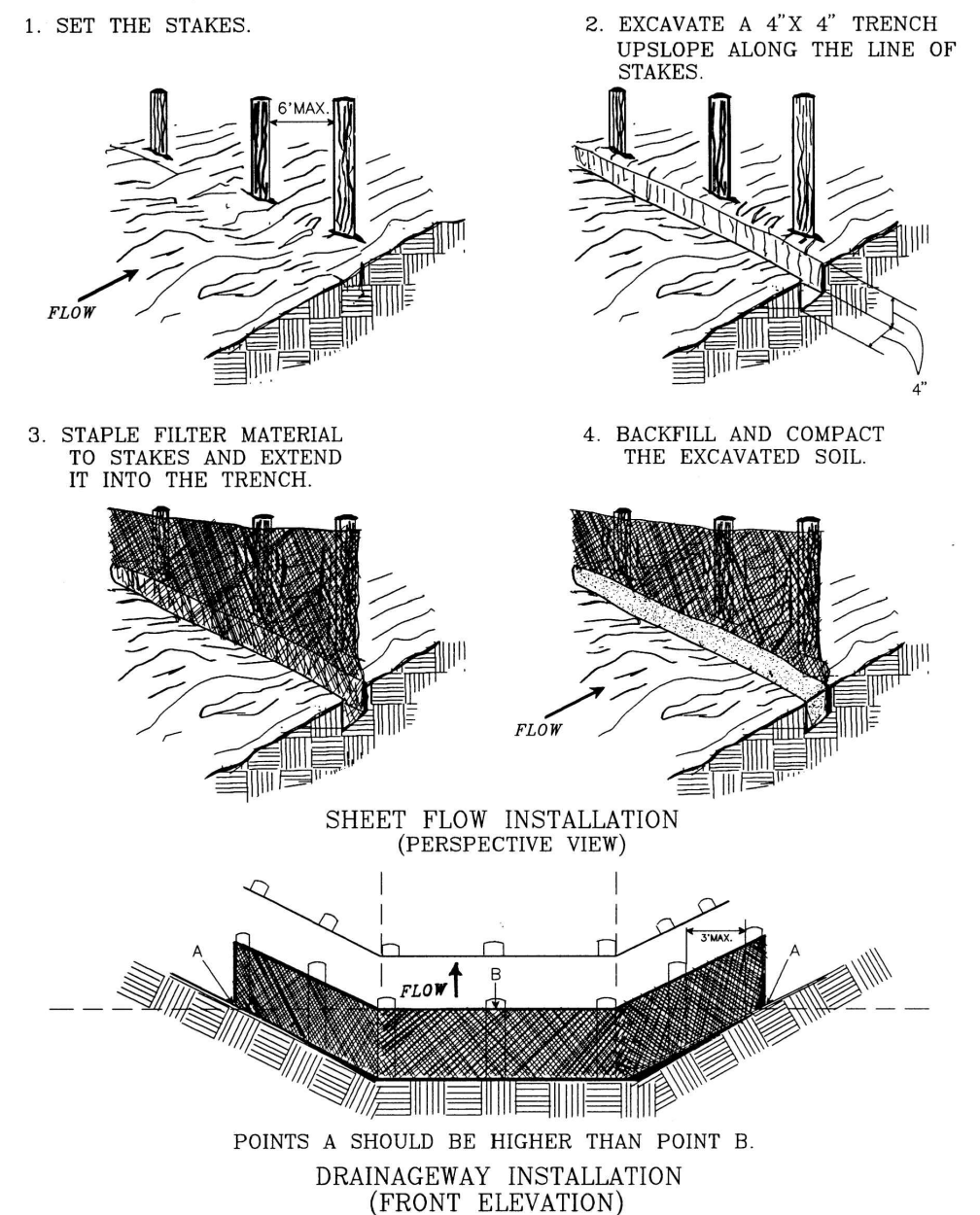


Source: Adapted from 1983 Maryland Standards for Soil Erosion and Sediment Control, and Va. DSWC Plate 3.02-1

III - 9

1992 (SF) 3.05

CONSTRUCTION OF A SILT FENCE (WITHOUT WIRE SUPPORT)

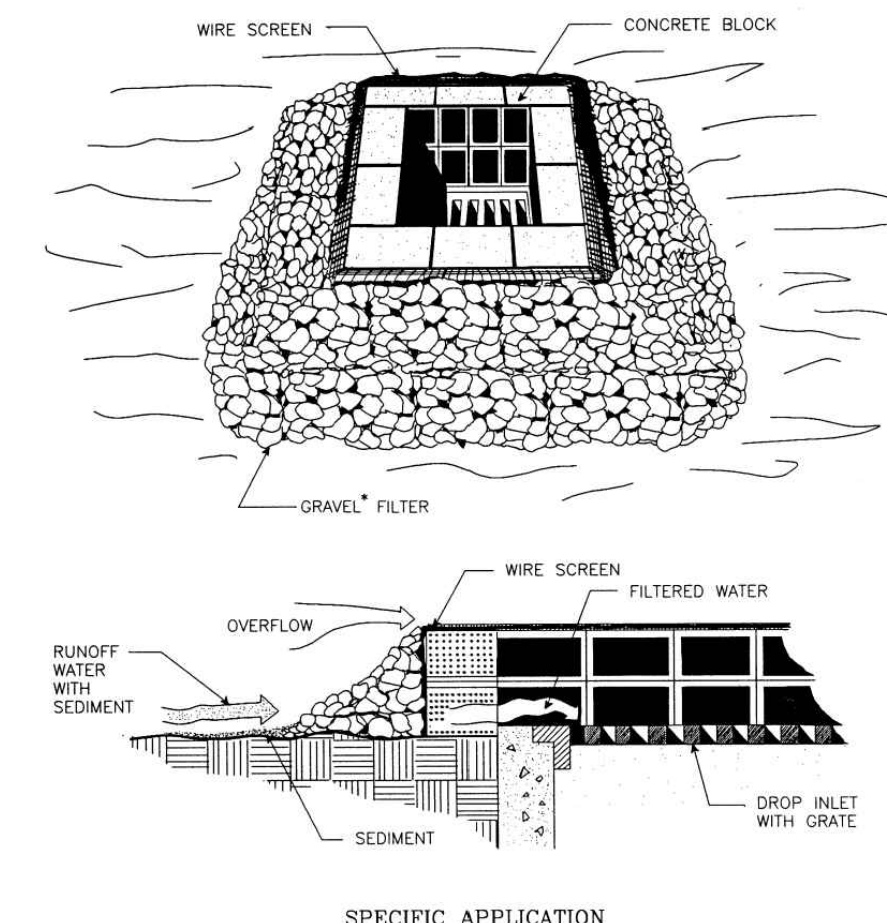


Source: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control, Sherwood and Wyant Plate 3.05-2

III - 25

1992 (IP) 3.07

BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER

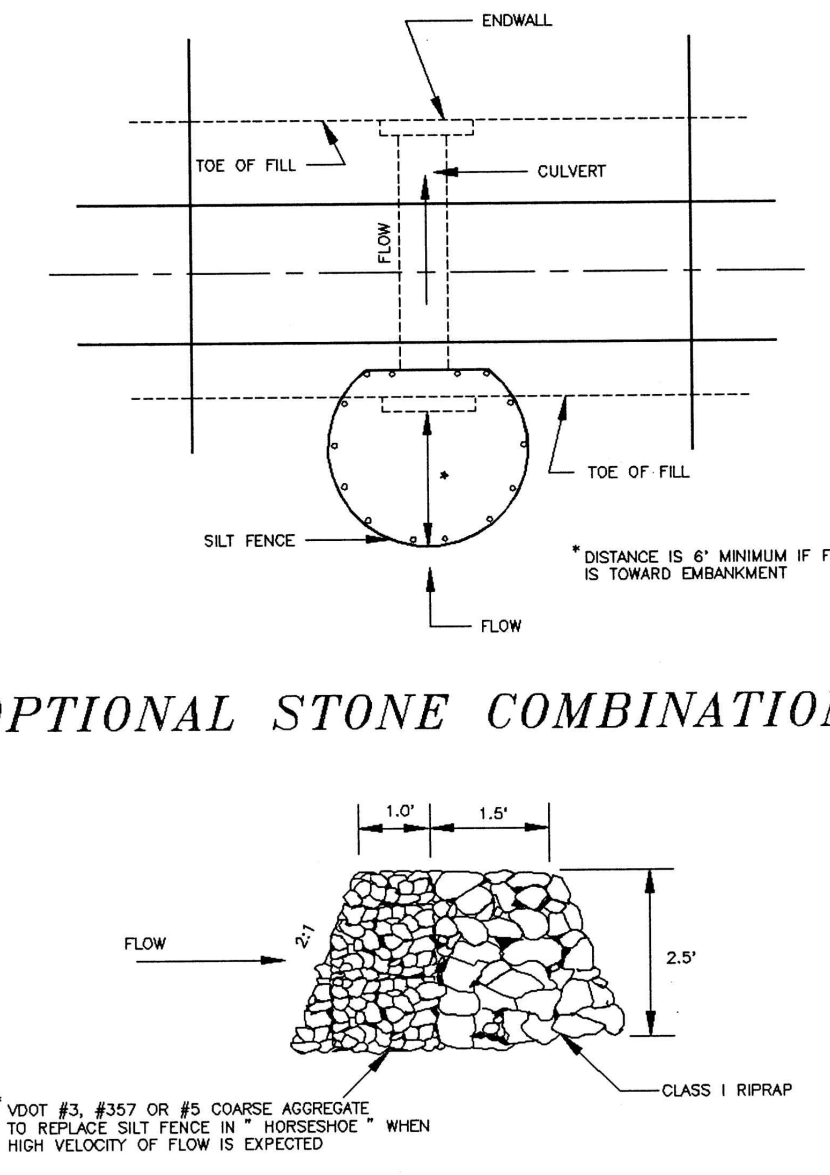


THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.
* GRAVEL SHALL BE VDOT #3, #357 OR #5 COARSE AGGREGATE.
Source: Va. DSWC Plate 3.07-3

III - 38

1992 (CIP) 3.08

SILT FENCE CULVERT INLET PROTECTION

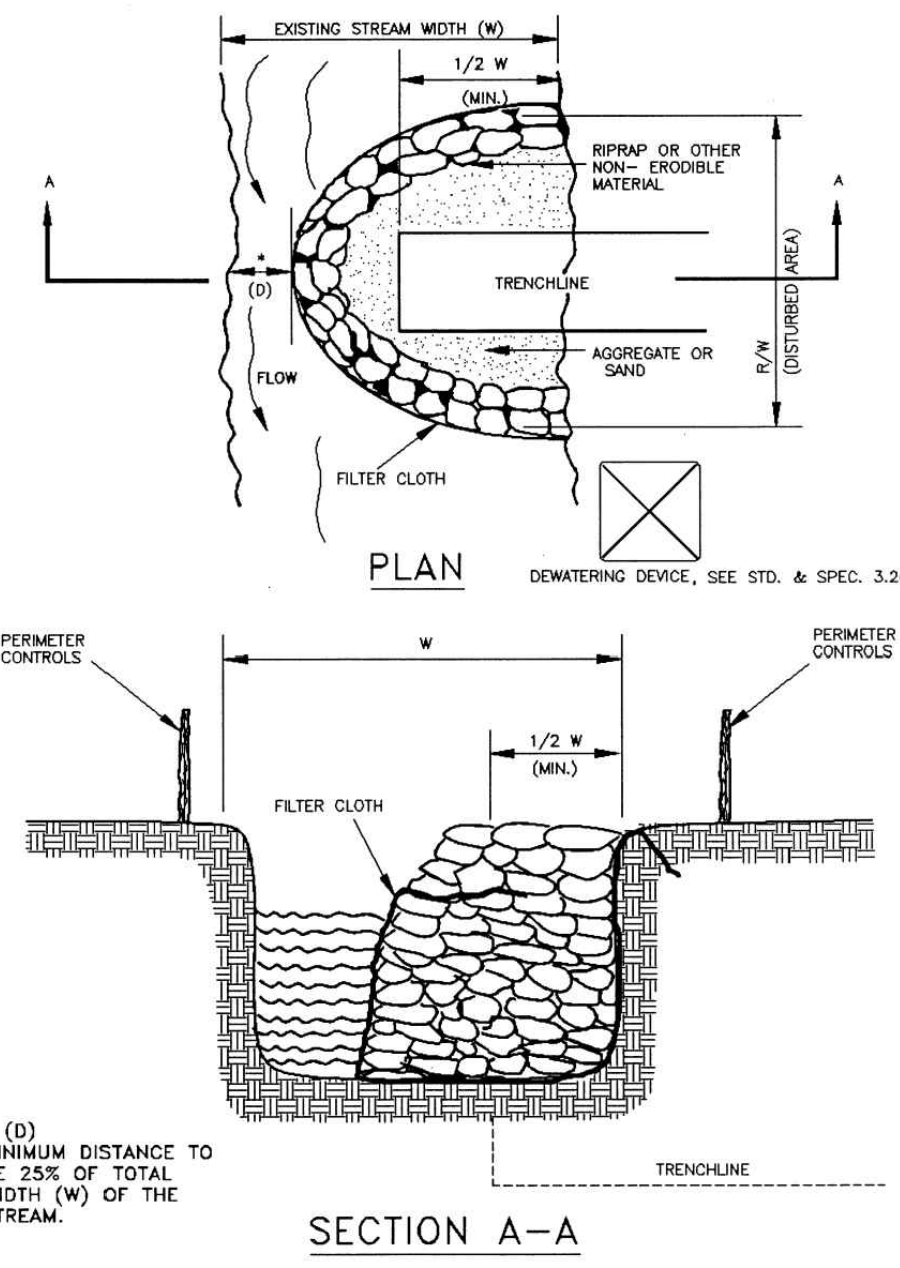


Source: Adapted from VDOT Standard Sheets and Va. DSWC Plate 3.08-1

III - 49

1992 (USC) 3.25

COFFERDAM CROSSING

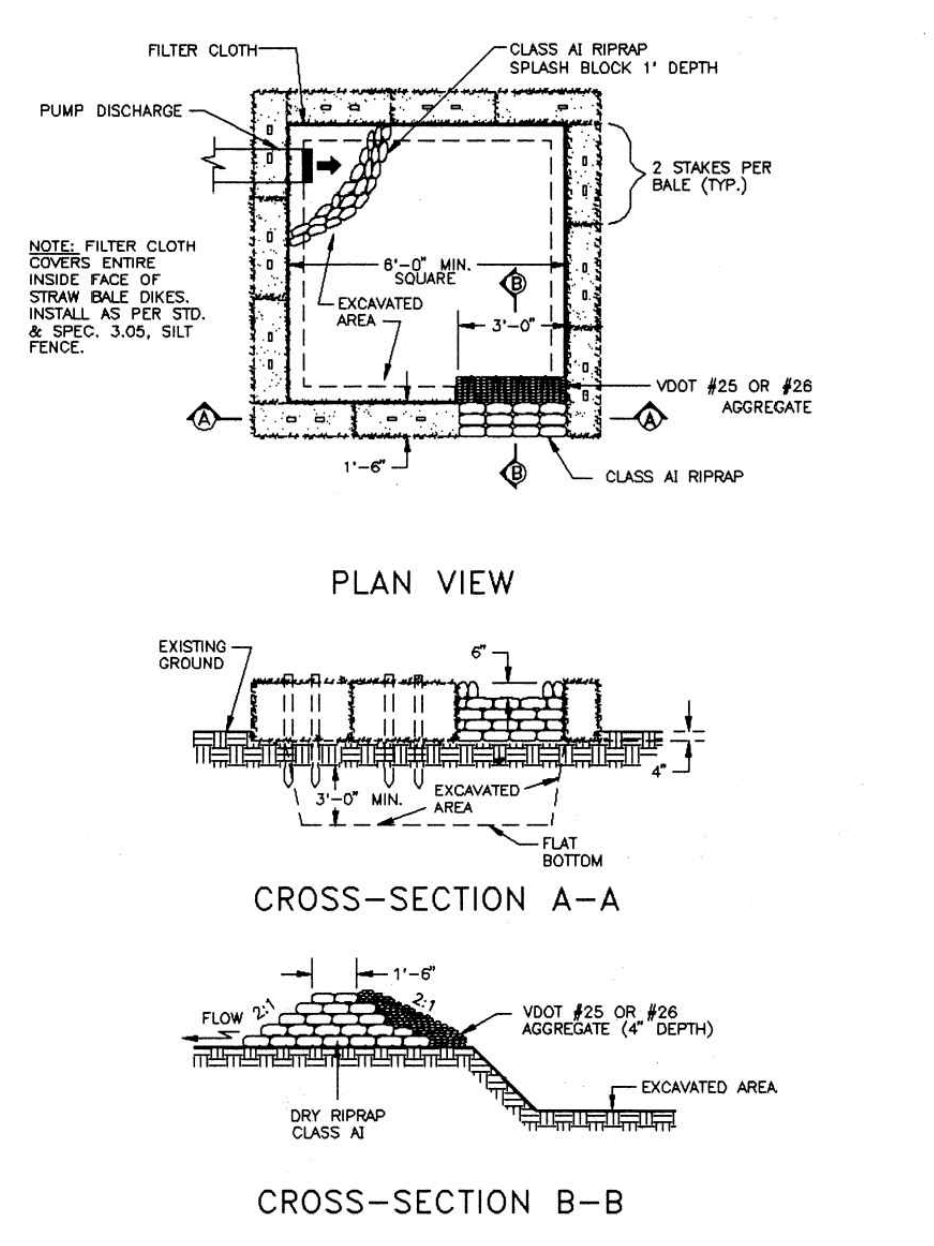


Source: Va. DSWC Plate 3.25-4

III - 236

1992 (DS) 3.26

STRAW BALE/SILT FENCE PIT



Source: Va. DSWC Plate 3.26-3

III - 244

EROSION & SEDIMENT CONTROL LEGEND (REF. VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK, LATEST EDITION)

- (CE) STD. & SPEC. 3.02 CONSTRUCTION ENTRANCE
- (SF) STD. & SPEC. 3.05 SILT FENCE
- (IP) STD. & SPEC. 3.07 INLET PROTECTION
- (CIP) STD. & SPEC. 3.08 CULVERT INLET PROTECTION
- (OP) STD. & SPEC. 3.18 OUTLET PROTECTION
- (RR) STD. & SPEC. 3.19 RIPRAP
- (SC) STD. & SPEC. 3.24 TEMPORARY VEHICULAR STREAM CROSSING
- (USC) STD. & SPEC. 3.25 UTILITY STREAM CROSSING
- (DS) STD. & SPEC. 3.26 DEWATERING STRUCTURE
- (TO) STD. & SPEC. 3.30 TOPSOILING
- (TS) STD. & SPEC. 3.31 TEMPORARY SEEDING
- (PS) STD. & SPEC. 3.32 PERMANENT SEEDING
- (MU) STD. & SPEC. 3.35 MULCHING
- (B/M) STD. & SPEC. 3.36 SOIL STABILIZATION BLANKET



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

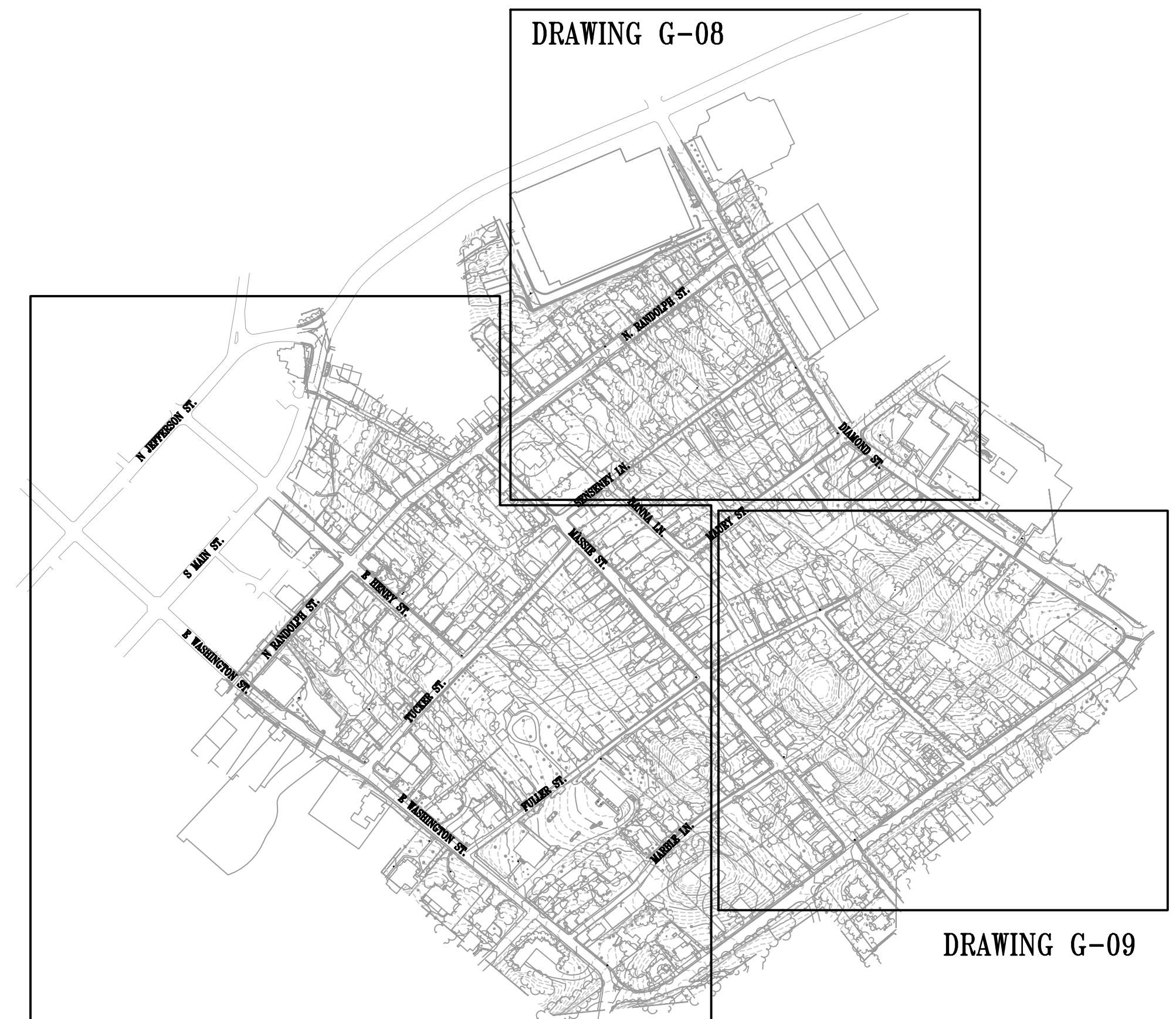
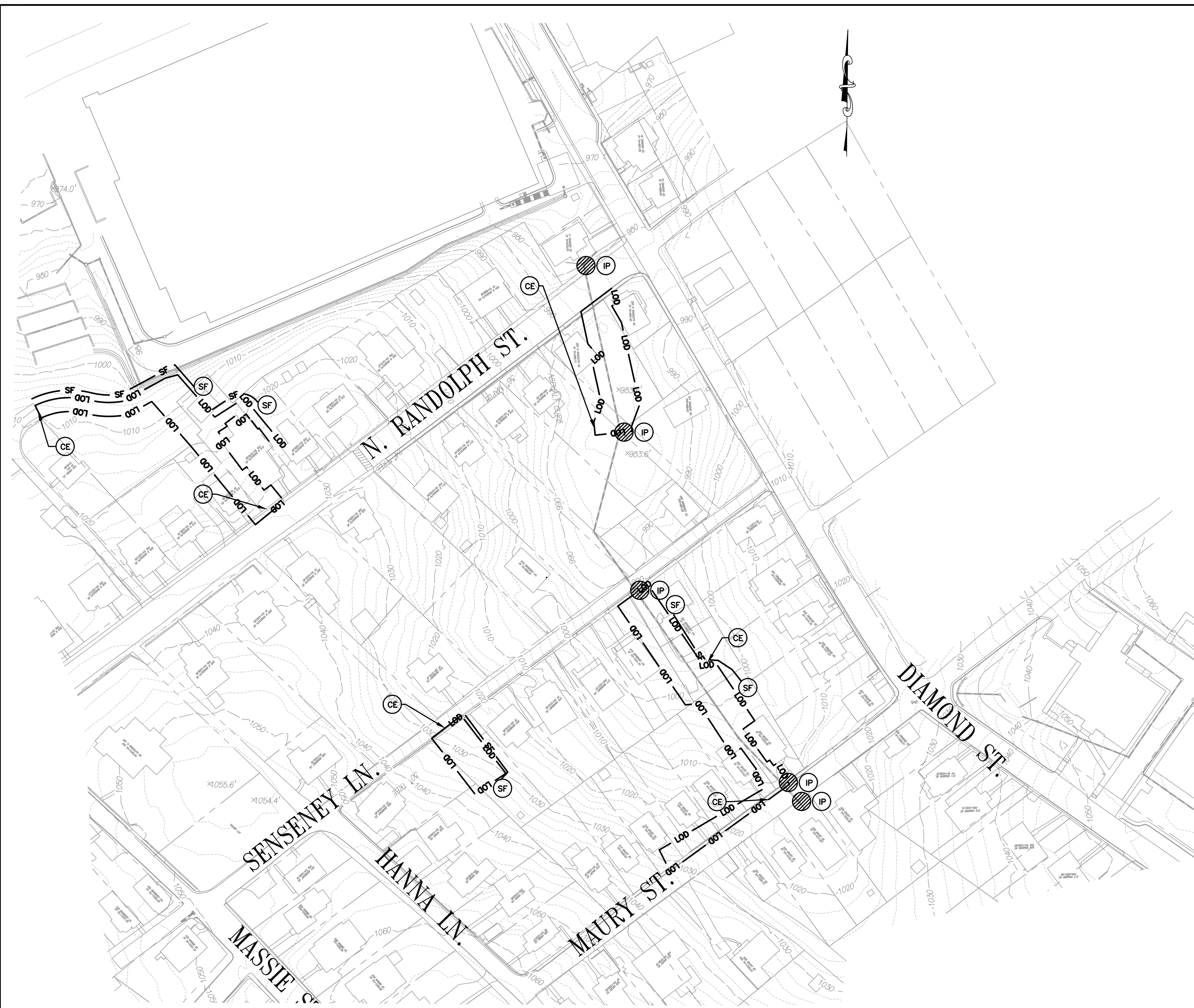
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DATE: 05/18/21

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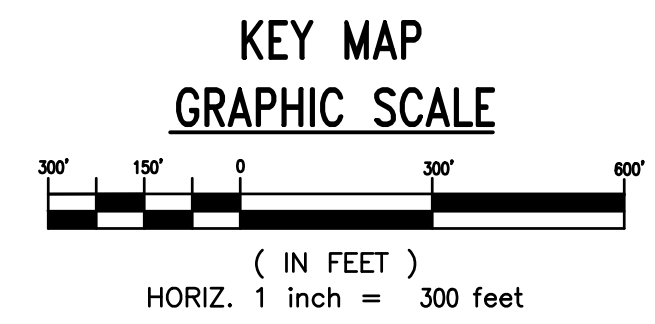
DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

EROSION & SEDIMENT
CONTROL DETAILS

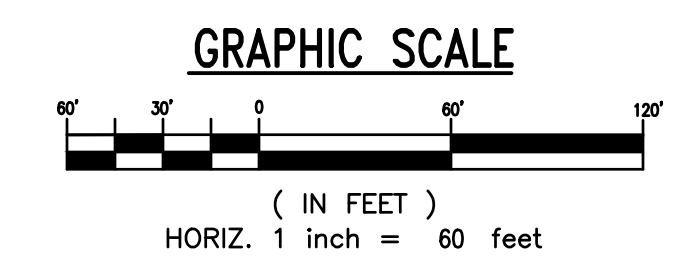
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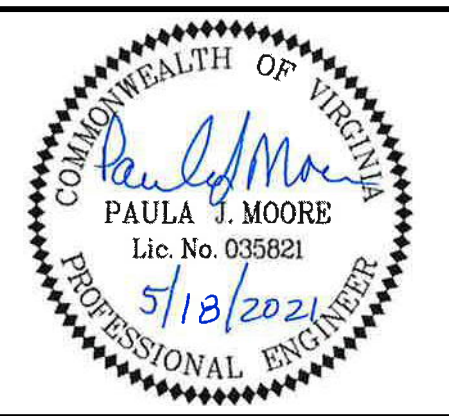
DRAWING G-10



- EROSION & SEDIMENT CONTROL LEGEND
(REF. VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK, LATEST EDITION)
- CE STD. & SPEC. 3.02 CONSTRUCTION ENTRANCE
 - SF STD. & SPEC. 3.05 SILT FENCE
 - IP STD. & SPEC. 3.07 INLET PROTECTION
 - CIP STD. & SPEC. 3.08 CULVERT INLET PROTECTION
 - OP STD. & SPEC. 3.18 OUTLET PROTECTION
 - RR STD. & SPEC. 3.19 RIPRAP
 - SC STD. & SPEC. 3.24 TEMPORARY VEHICULAR STREAM CROSSING
 - USC STD. & SPEC. 3.25 UTILITY STREAM CROSSING
 - DS STD. & SPEC. 3.26 DEWATERING STRUCTURE
 - TO STD. & SPEC. 3.30 TOPSOILING
 - TS STD. & SPEC. 3.31 TEMPORARY SEEDING
 - PS STD. & SPEC. 3.32 PERMANENT SEEDING
 - MU STD. & SPEC. 3.35 MULCHING
 - B/M STD. & SPEC. 3.36 SOIL STABILIZATION BLANKET



NOTE:
1. FOR CLARITY ON SHEETS G-08, G-09, AND G-10, LINWORK REPRESENTING SILT FENCE HAS BEEN SHOWN OFFSET FROM THE LINWORK REPRESENTING THE LIMITS OF DISTURBANCE TO GENERALLY INDICATE AREAS IN WHICH SILT FENCE IS REQUIRED. SILT FENCE SHALL BE INSTALLED ALONG THE LIMITS OF DISTURBANCE (NOT OFFSET) AND SHALL BE CONTINUOUS ALONG THE DOWNSTREAM SIDE OF ALL DISTURBED AREAS.



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES: PJM
DRAWN: RMV, DJA, JES
CHECK: GWF
DATE: 05/18/21

SCALE: AS SHOWN
HORIZ: 1" = 60'
VERT: N/A

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

EROSION AND SEDIMENT
CONTROL PLAN

REV	DATE	DESCRIPTION	DRAWING	SHEET
			G-08	8

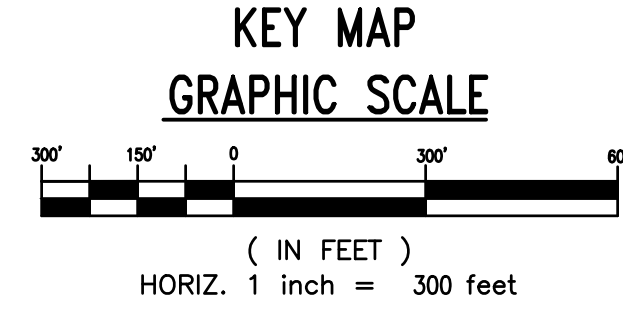
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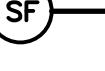
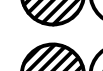













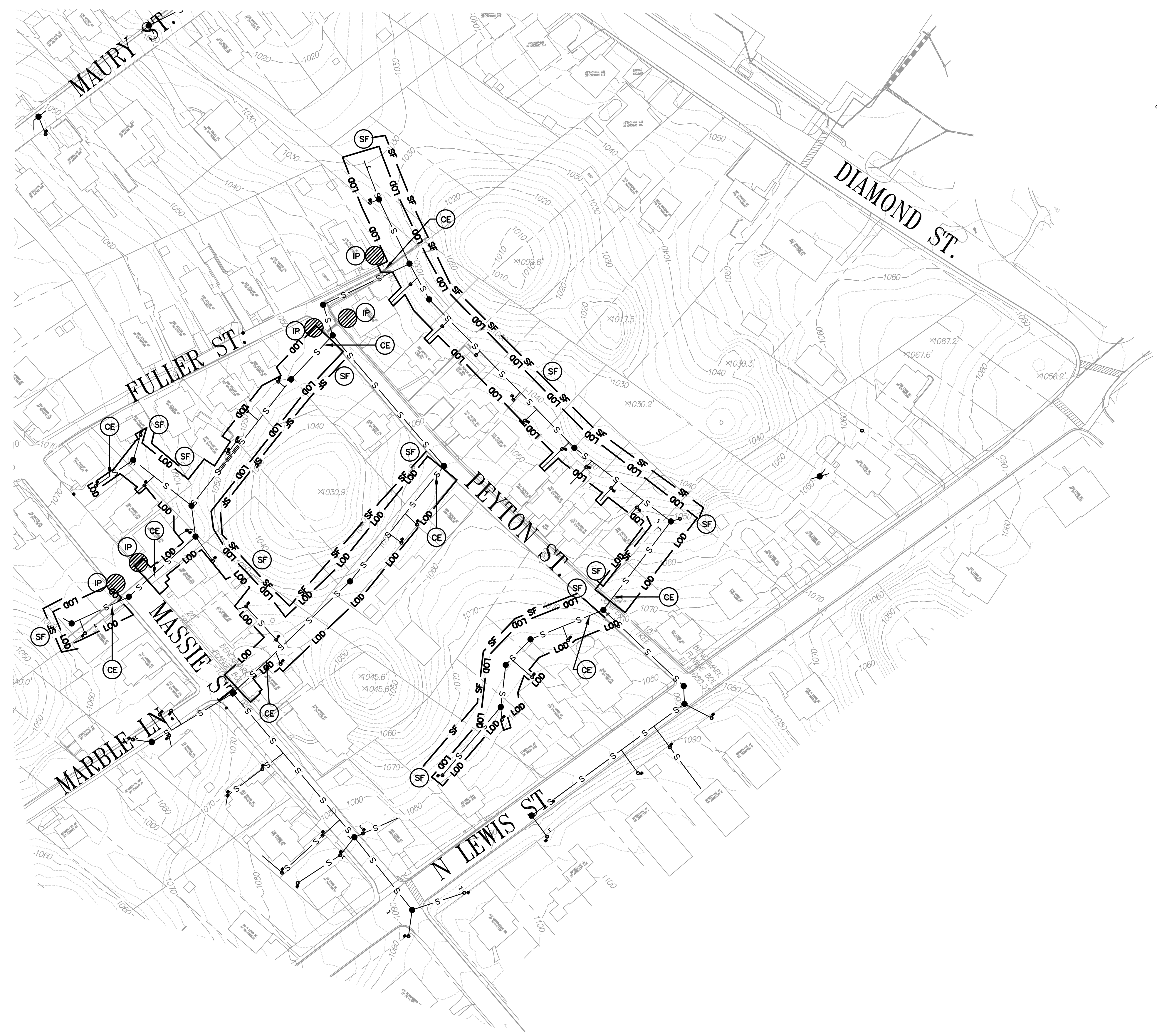
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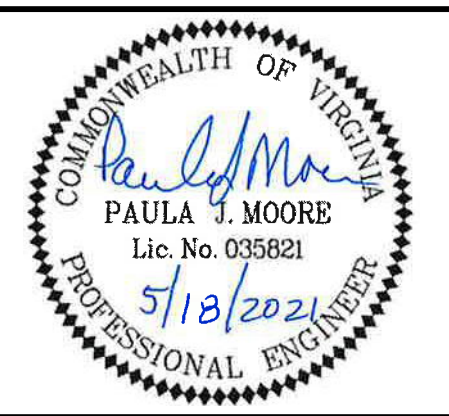
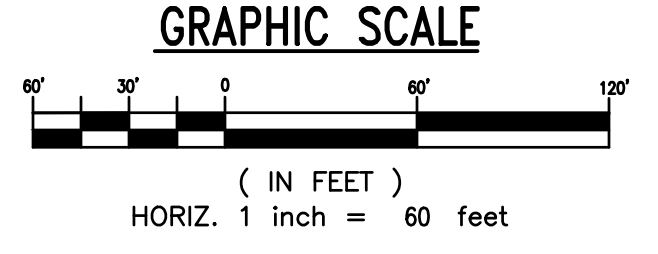


EROSION & SEDIMENT CONTROL LEGEND
(REF. VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK, LATEST EDITION)

-  STD. & SPEC. 3.02 CONSTRUCTION ENTRANCE
-  STD. & SPEC. 3.05 SILT FENCE
-  STD. & SPEC. 3.07 INLET PROTECTION
-  STD. & SPEC. 3.08 CULVERT INLET PROTECTION
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-  STD. & SPEC. 3.24 TEMPORARY VEHICULAR STREAM CROSSING
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-  STD. & SPEC. 3.35 MULCHING
-  STD. & SPEC. 3.36 SOIL STABILIZATION BLANKET



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CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES: PJM	SCALE: AS SHOWN
DRAWN: RMV, DJA, JES	HORIZ: 1" = 60'
CHECK: GWF	VERT: N/A
DATE: 05/18/21	

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

EROSION AND SEDIMENT
CONTROL PLAN

REV	DATE	DESCRIPTION

DRAWING G-09	SHEET 9
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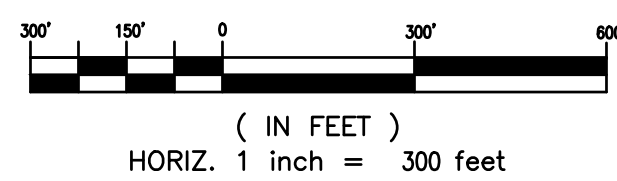
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DRAWING G-10

DRAWING G-09

KEY MAP
GRAPHIC SCALE

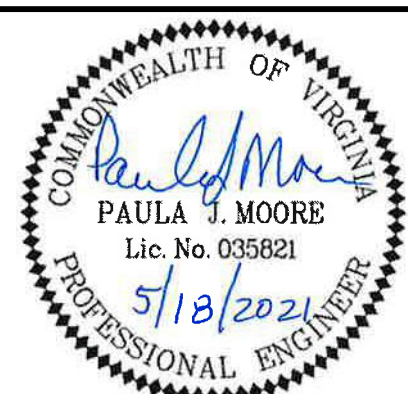
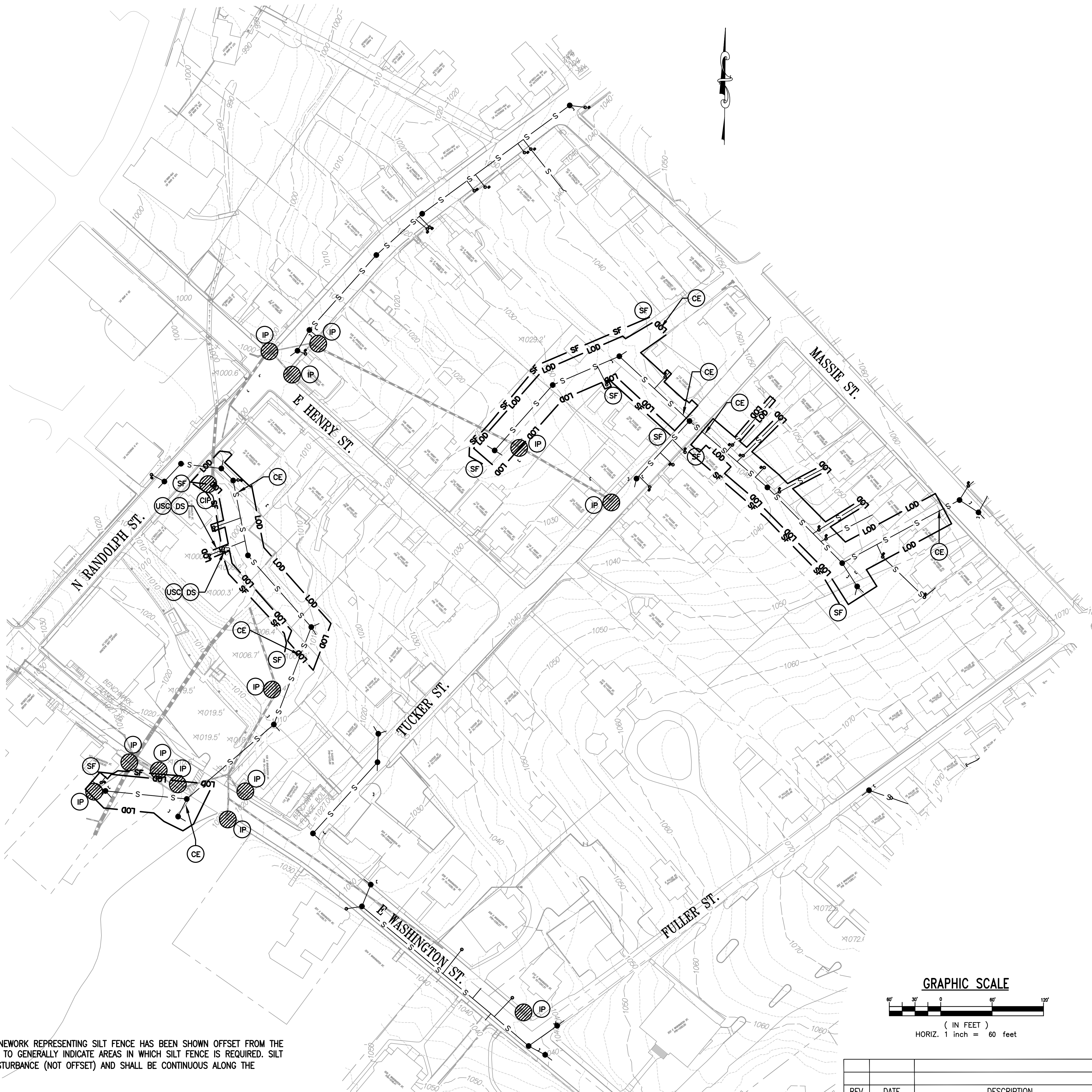
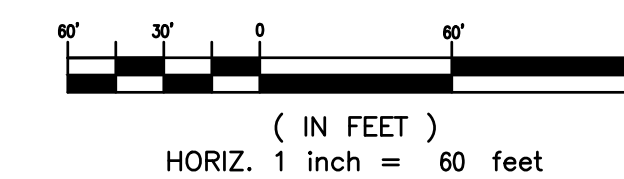


EROSION & SEDIMENT CONTROL LEGEND
(REF. VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK, LATEST EDITION)

- STD. & SPEC. 3.02 CONSTRUCTION ENTRANCE
- STD. & SPEC. 3.05 SILT FENCE
- STD. & SPEC. 3.07 INLET PROTECTION
- STD. & SPEC. 3.08 CULVERT INLET PROTECTION
- STD. & SPEC. 3.18 OUTLET PROTECTION
- STD. & SPEC. 3.19 RIPRAP
- STD. & SPEC. 3.24 TEMPORARY VEHICULAR STREAM CROSSING
- STD. & SPEC. 3.25 UTILITY STREAM CROSSING
- STD. & SPEC. 3.26 DEWATERING STRUCTURE
- STD. & SPEC. 3.30 TOPSOILING
- STD. & SPEC. 3.31 TEMPORARY SEEDING
- STD. & SPEC. 3.32 PERMANENT SEEDING
- STD. & SPEC. 3.35 MULCHING
- STD. & SPEC. 3.36 SOIL STABILIZATION BLANKET

NOTE:
1. FOR CLARITY ON SHEETS G-08, G-09, AND G-10, LINEWORK REPRESENTING SILT FENCE HAS BEEN SHOWN OFFSET FROM THE LINEWORK REPRESENTING THE LIMITS OF DISTURBANCE TO GENERALLY INDICATE AREAS IN WHICH SILT FENCE IS REQUIRED. SILT FENCE SHALL BE INSTALLED ALONG THE LIMITS OF DISTURBANCE (NOT OFFSET) AND SHALL BE CONTINUOUS ALONG THE DOWNSTREAM SIDE OF ALL DISTURBED AREAS.

GRAPHIC SCALE



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES: PJM
DRAWN: RMV, DJA, JES
CHECK: GWF
DATE: 05/18/21

SCALE: AS SHOWN
HORIZ: 1" = 60'
VERT: N/A

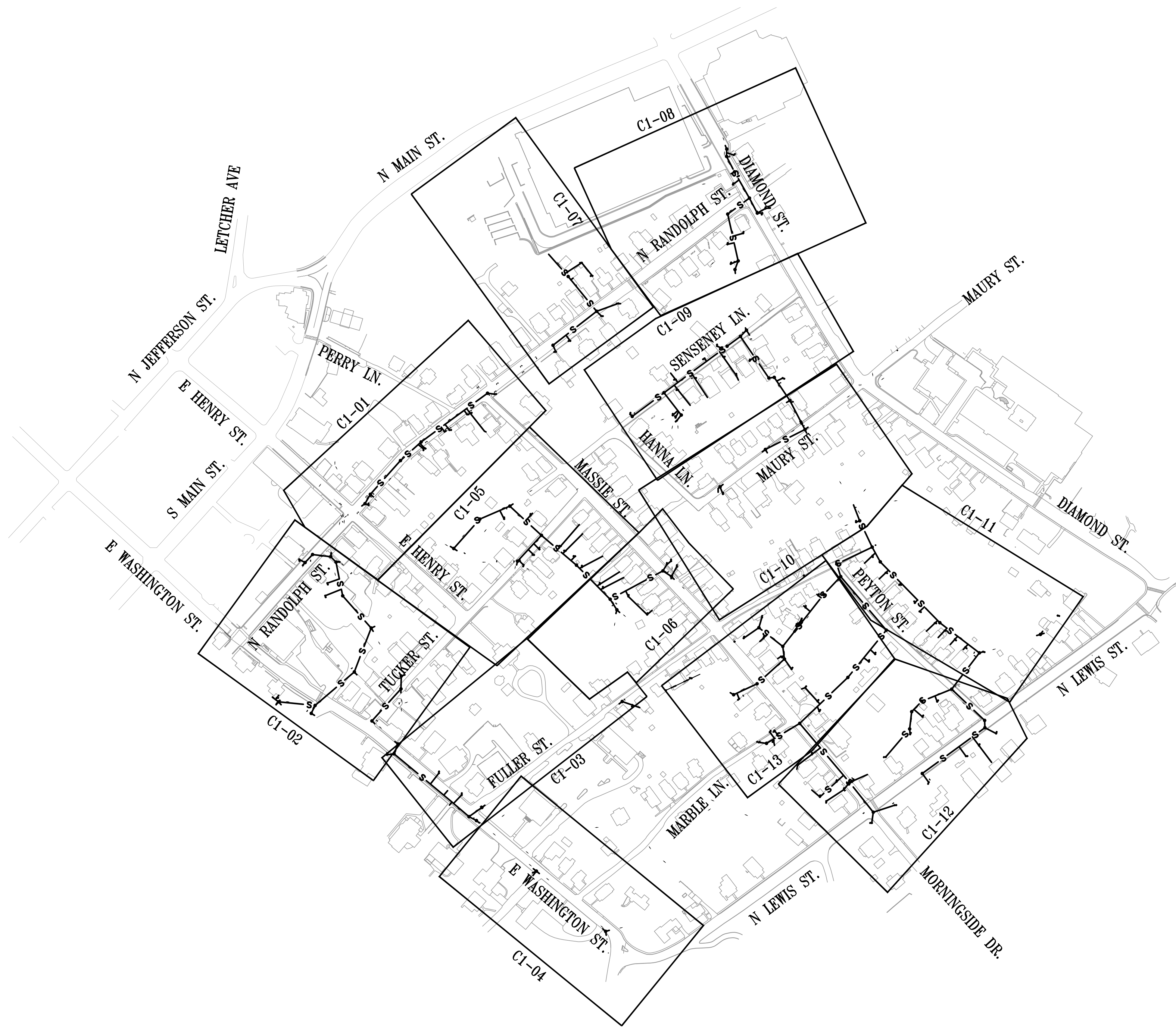
DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

EROSION AND SEDIMENT
CONTROL PLAN

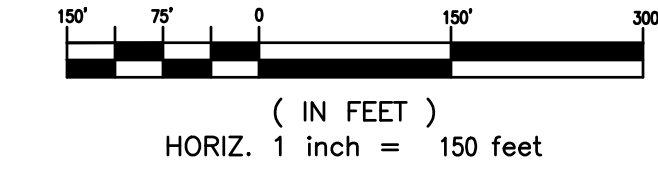
REV	DATE	DESCRIPTION

DRAWING
G-10

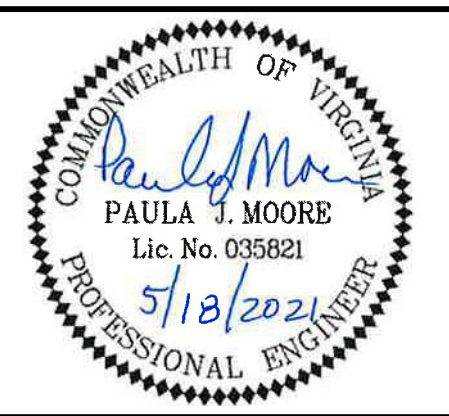
SHEET
10



GRAPHIC SCALE



REV	DATE	DESCRIPTION



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

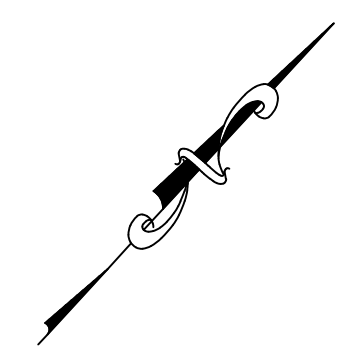
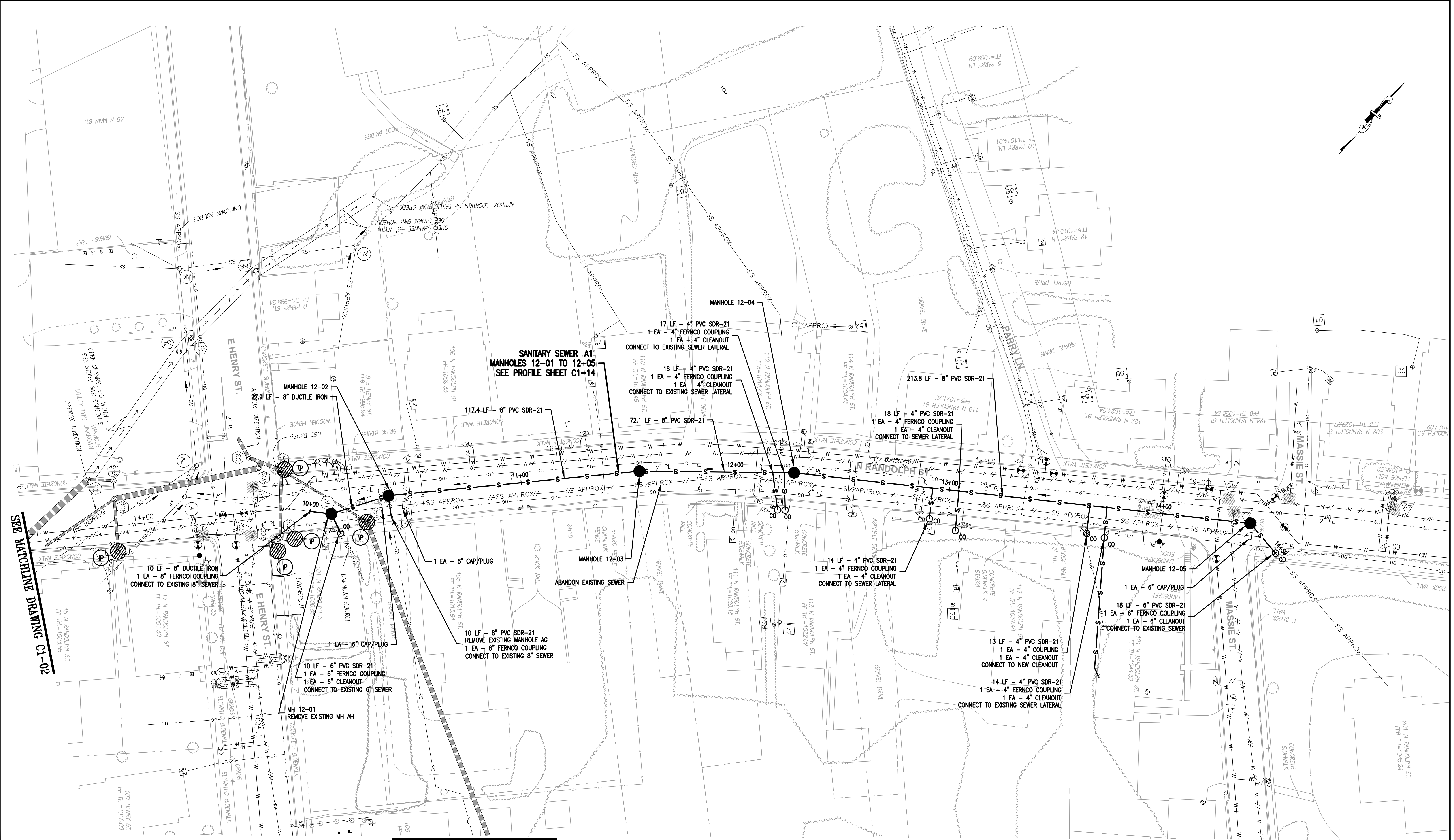
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DATE:	05/18/21		

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

SHEET LAYOUT
PLAN VIEW

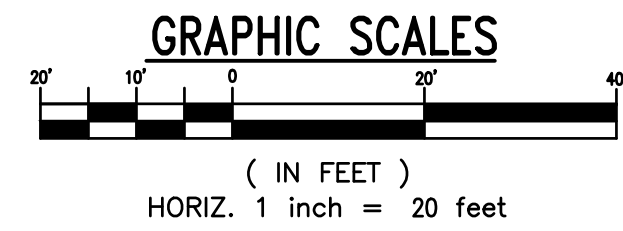
DRAWING	SHEET
G-11	11

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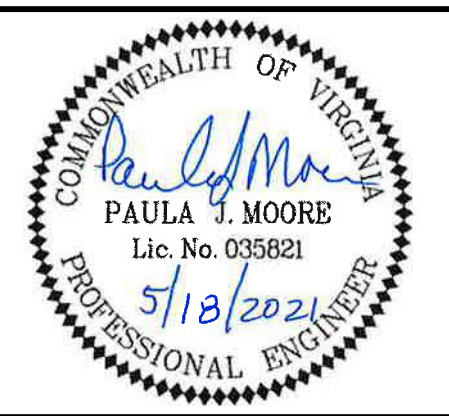


SEE MATCHLINE DRAWING C1-02

SEE MATCHLINE DRAWING C1-05



REV	DATE	DESCRIPTION



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES:	PJM	SCALE:	AS SHOWN
DRAWN:	RMV, DJA, JES	HORIZ:	1" = 20'
CHECK:	GWF	VERT:	
DATE:	05/18/21		

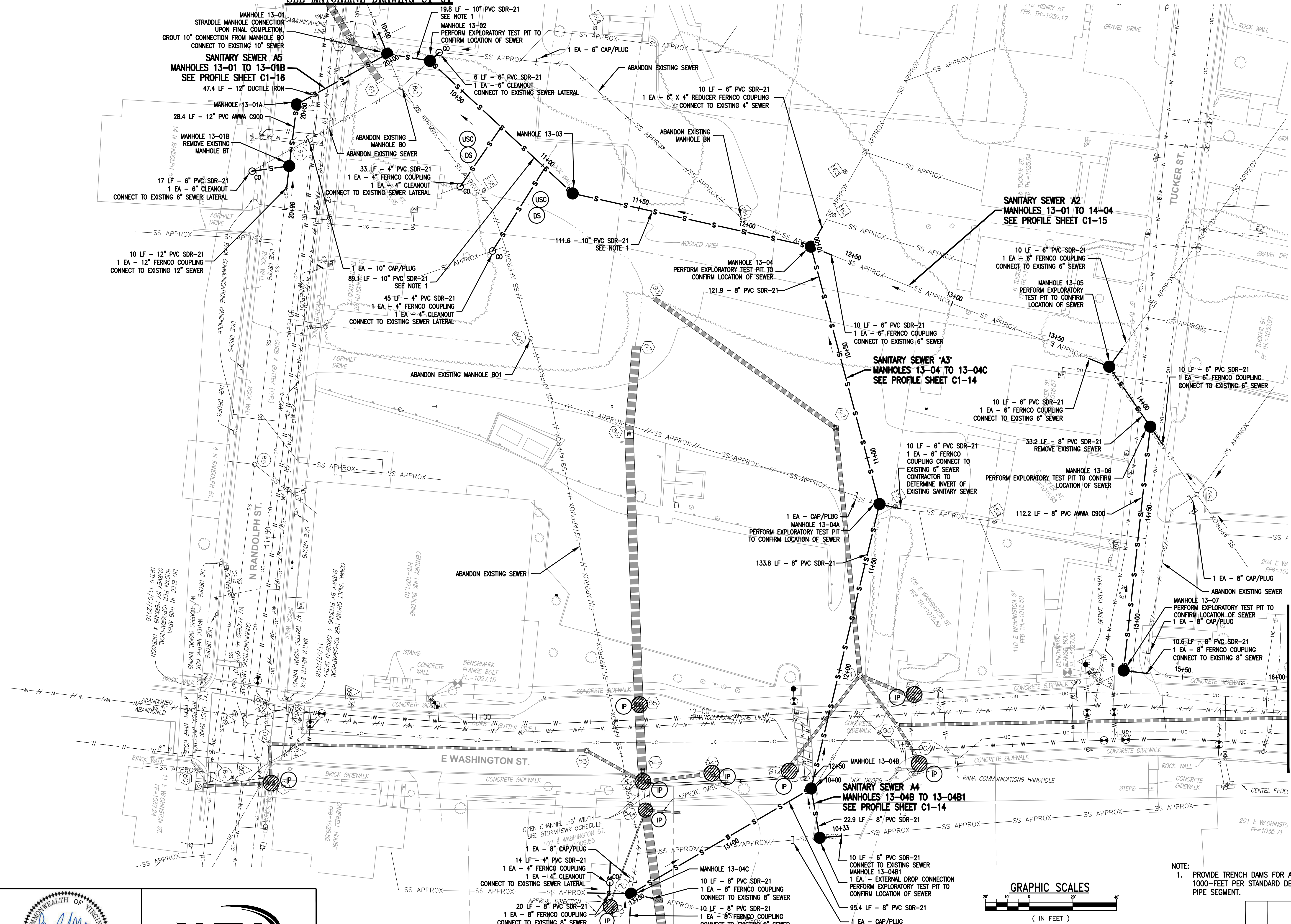
DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

SANITARY SEWER
REPLACEMENT PLAN "A1"

DRAWING
C1-01

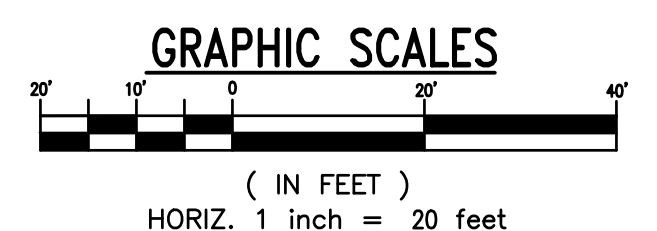
SHEET
12

SEE MATCHLINE DRAWING C1-01

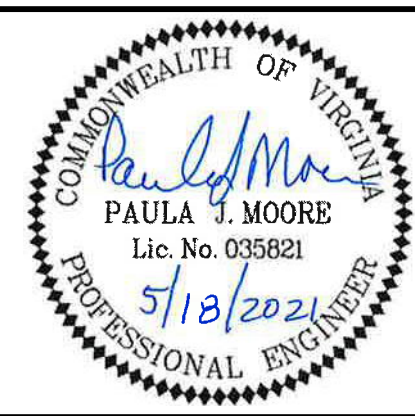


SEE MATCHLINE DRAWING C1-03

NOTE:
1. PROVIDE TRENCH DAMS FOR ALL SEWER INSTALLED BELOW ELEVATION 1000-FOOT PER STANDARD DETAIL AT 40-FOOT O.C., MINIMUM 1 PER PIPE SEGMENT.



REV	DATE	DESCRIPTION



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES: PJM
DRAWN: RMV, DJA, JES
CHECK: GWF
DATE: 05/18/21

SCALE: AS SHOWN
HORIZ: 1" = 20'
VERT: 1" = 10'

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

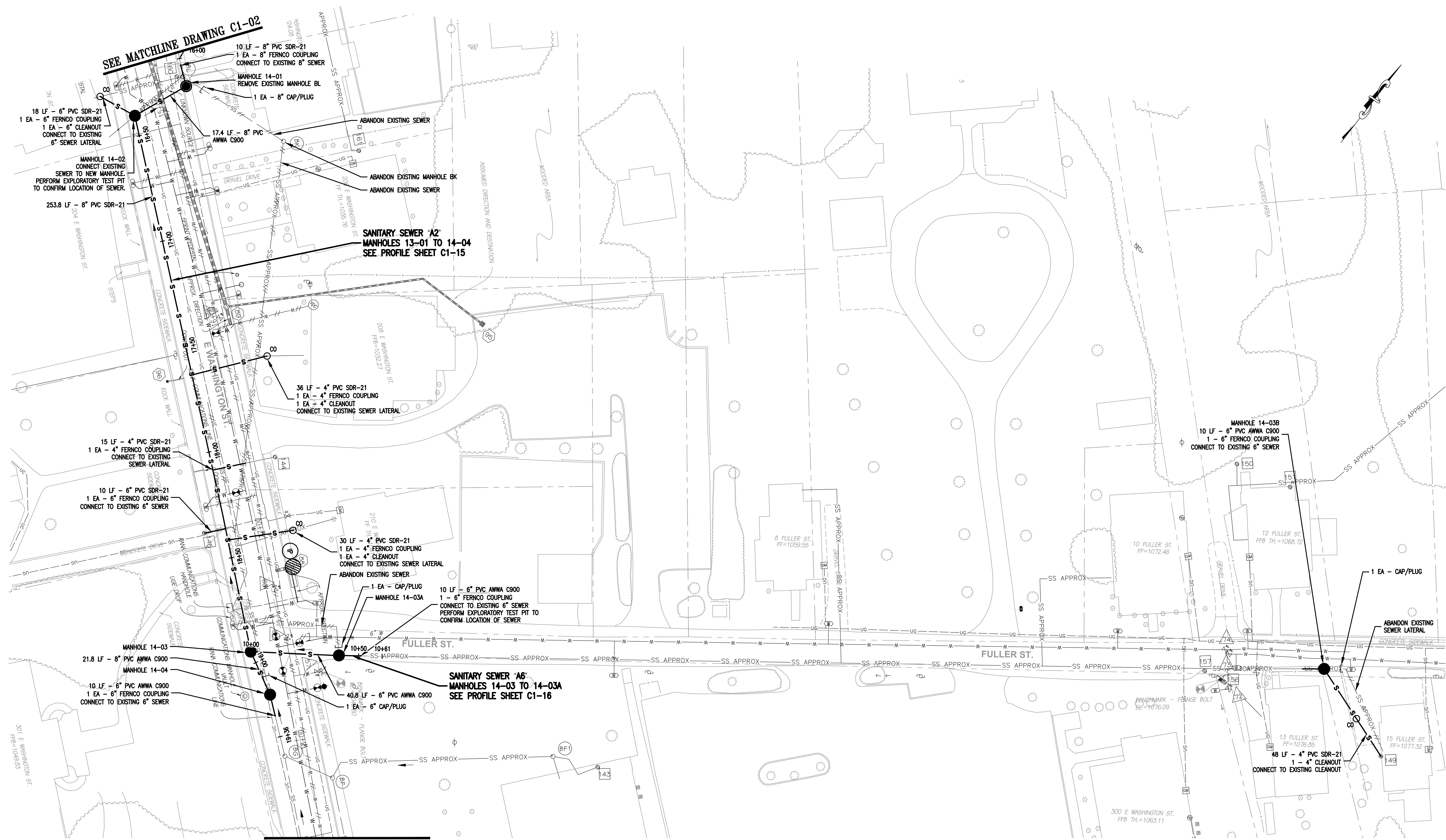
SANITARY SEWER
REPLACEMENT PLAN "A2, A3, A4, & A5"

DRAWING
C1-02

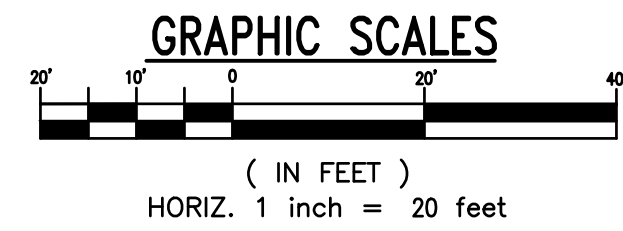
SHEET
13

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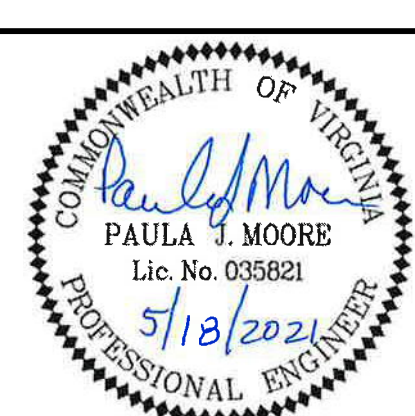
SEE MATCHLINE DRAWING C1-02



SEE MATCHLINE DRAWING C1-04



REV	DATE	DESCRIPTION



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES:	PJM	SCALE:	AS SHOWN
DRAWN:	RMV, DJA, JES	HORIZ:	1" = 20'
CHECK:	GWF	VERT:	
DATE:	05/18/21		

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

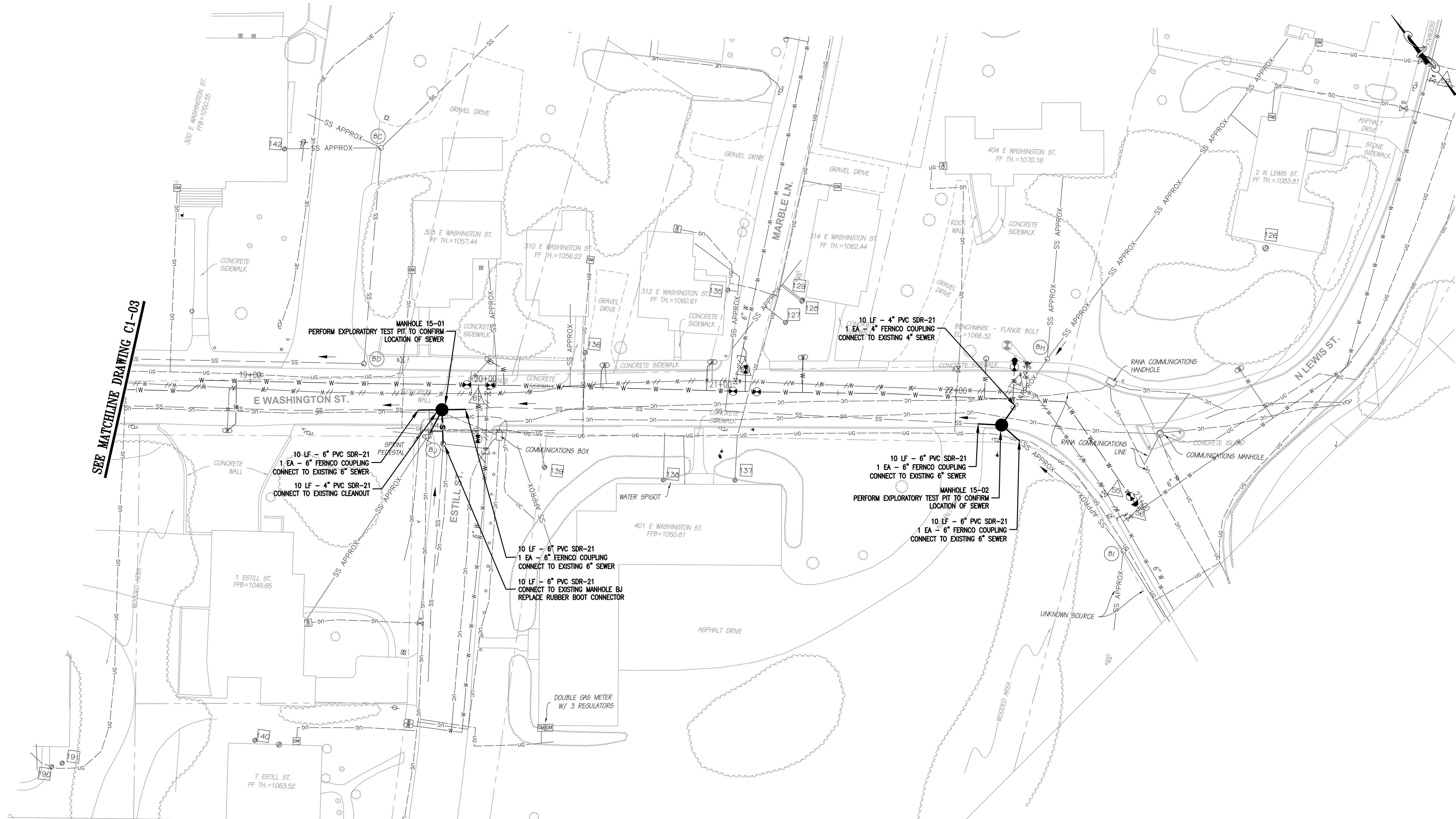
SANITARY SEWER
REPLACEMENT PLAN "A2 & A6"

DRAWING
C1-03

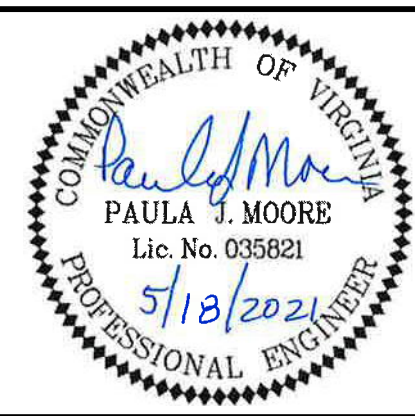
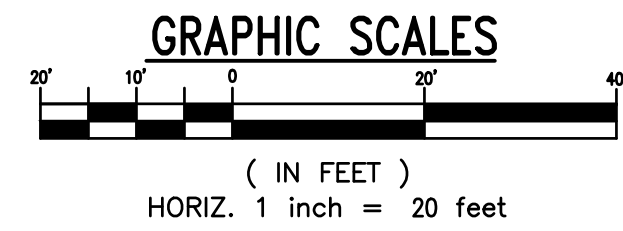
SHEET
14

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SEE MATCHLINE DRAWING C1-03



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

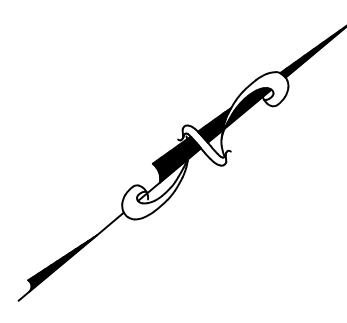
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DRAWN: RMV, DJA, JES
CHECK: GWF
DATE: 05/18/21

SCALE: AS SHOWN
HORIZ: 1" = 20'
VERT:

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

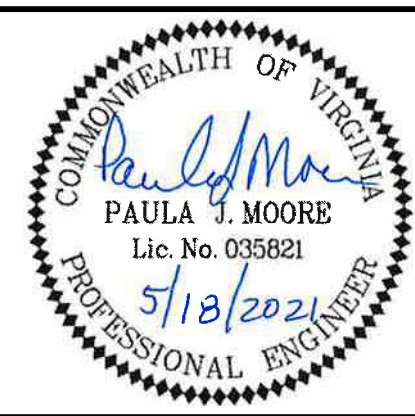
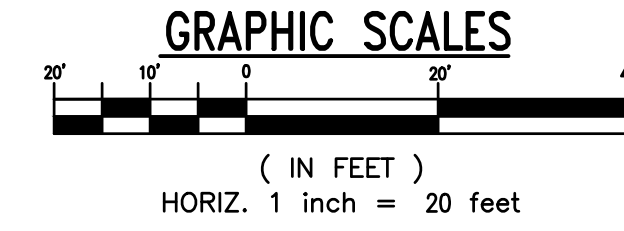
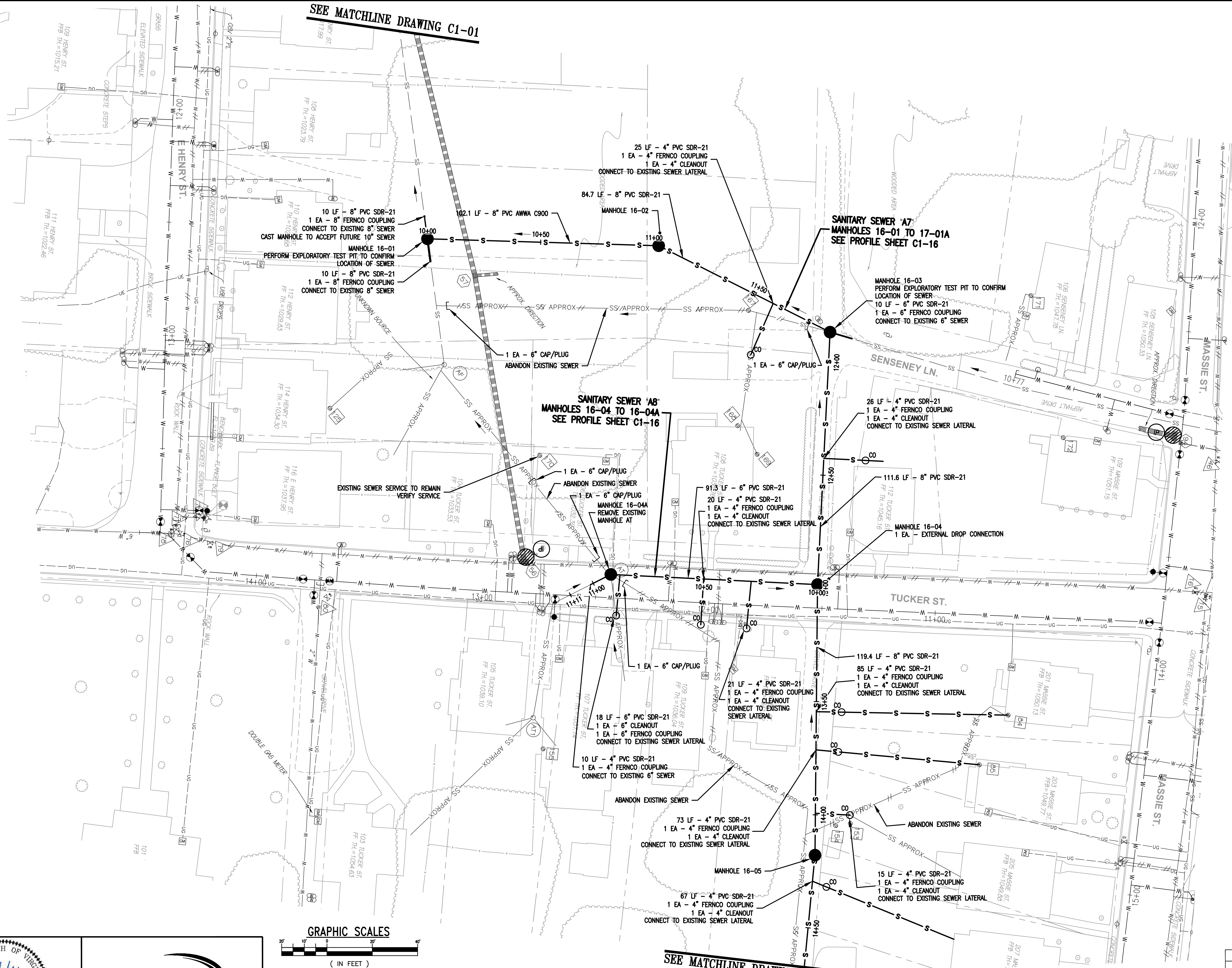
SANITARY SEWER
REPLACEMENT PLAN

REV	DATE	DESCRIPTION	DRAWING	SHEET
			C1-04	15



SEE MATCHLINE DRAWING C1-01

SEE MATCHLINE DRAWING C1-06



WRA
 Whitman, Reardon & Associates, LLP
 1700 Kraft Dr, Suite 1200, Blacksburg, VA 24060

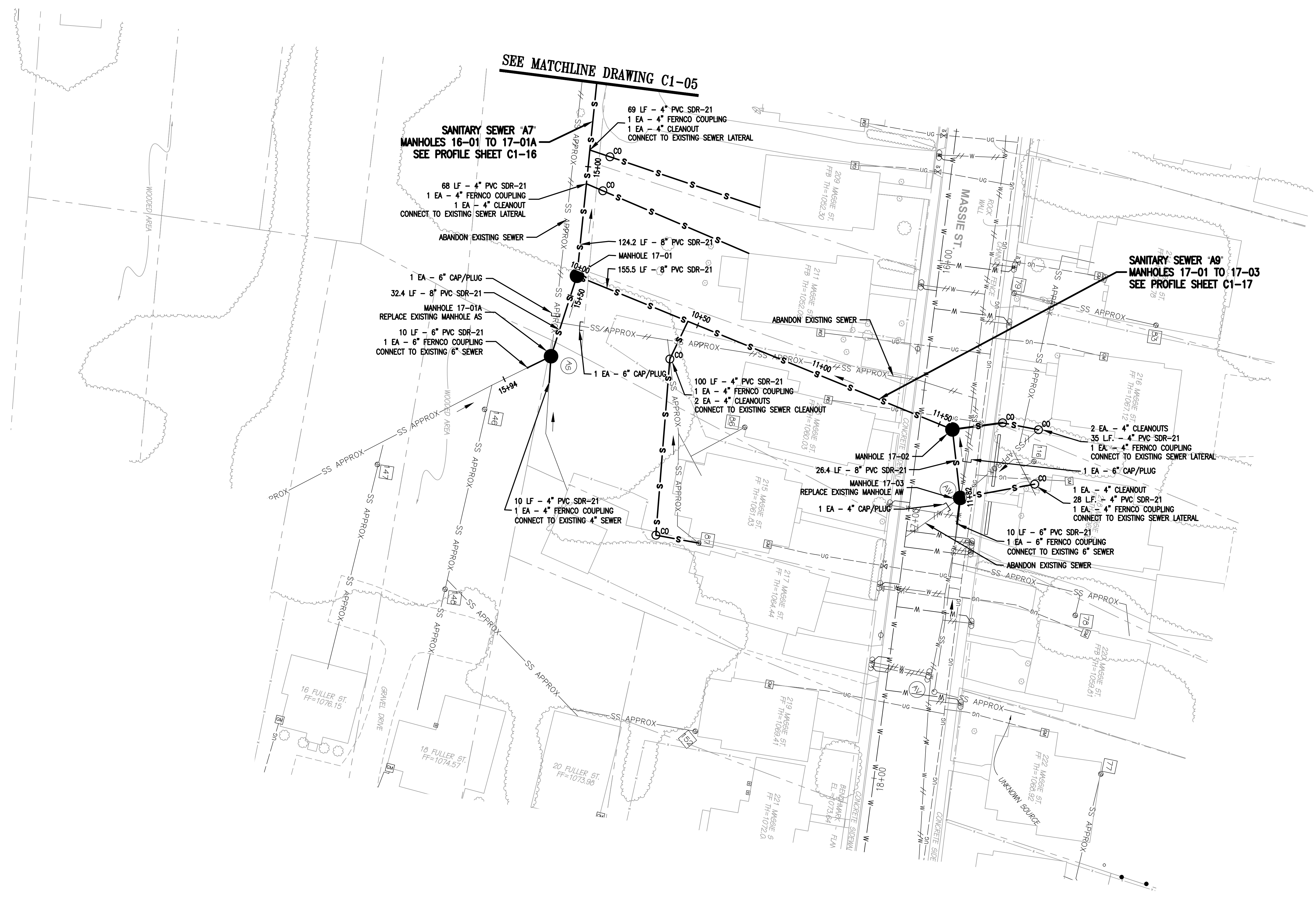
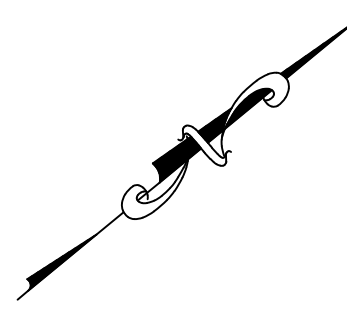
CITY OF LEXINGTON PUBLIC WORKS
 890 SHOP ROAD
 LEXINGTON, VIRGINIA 24450

DES:	PJM	SCALE:	AS SHOWN
DRAWN:	RMV, DJA, JES	HORIZ:	1" = 20'
CHECK:	GWF	VERT:	
DATE:	05/18/21		

DIAMOND HILL AREA
 SEWER REPLACEMENT PROJECT

SANITARY SEWER
 REPLACEMENT PLAN "A7 & A8"

REV	DATE	DESCRIPTION	DRAWING	SHEET
			C1-05	16

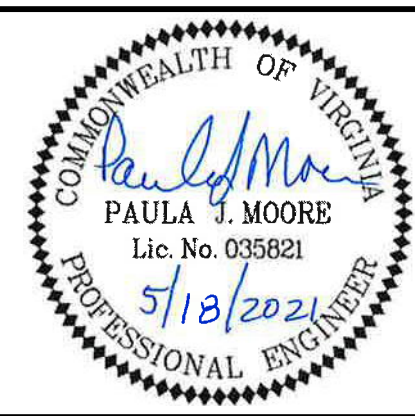
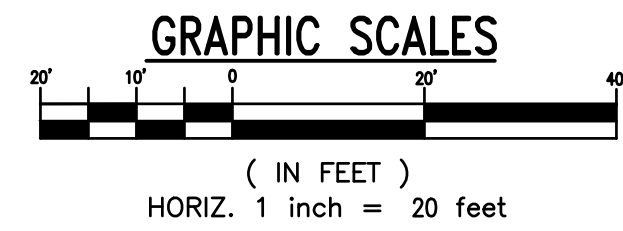


SEE MATCHLINE DRAWING C1-05

**SANITARY SEWER A7
MANHOLES 16-01 TO 17-01A
SEE PROFILE SHEET C1-16**

**SANITARY SEWER A9
MANHOLES 17-01 TO 17-03
SEE PROFILE SHEET C1-17**

NOTE:
1. THE SEWER LATERAL FOR 111 TUCKER STREET MUST BE IDENTIFIED AND RELOCATED PRIOR TO ABANDONING THE ADJACENT SANITARY SEWER.



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES: PJM
DRAWN: RMV, DJA, JES
CHECK: GWF
DATE: 05/18/21

SCALE: AS SHOWN
HORIZ: 1" = 20'
VERT:

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

SANITARY SEWER
REPLACEMENT PLAN "A7 & A9"

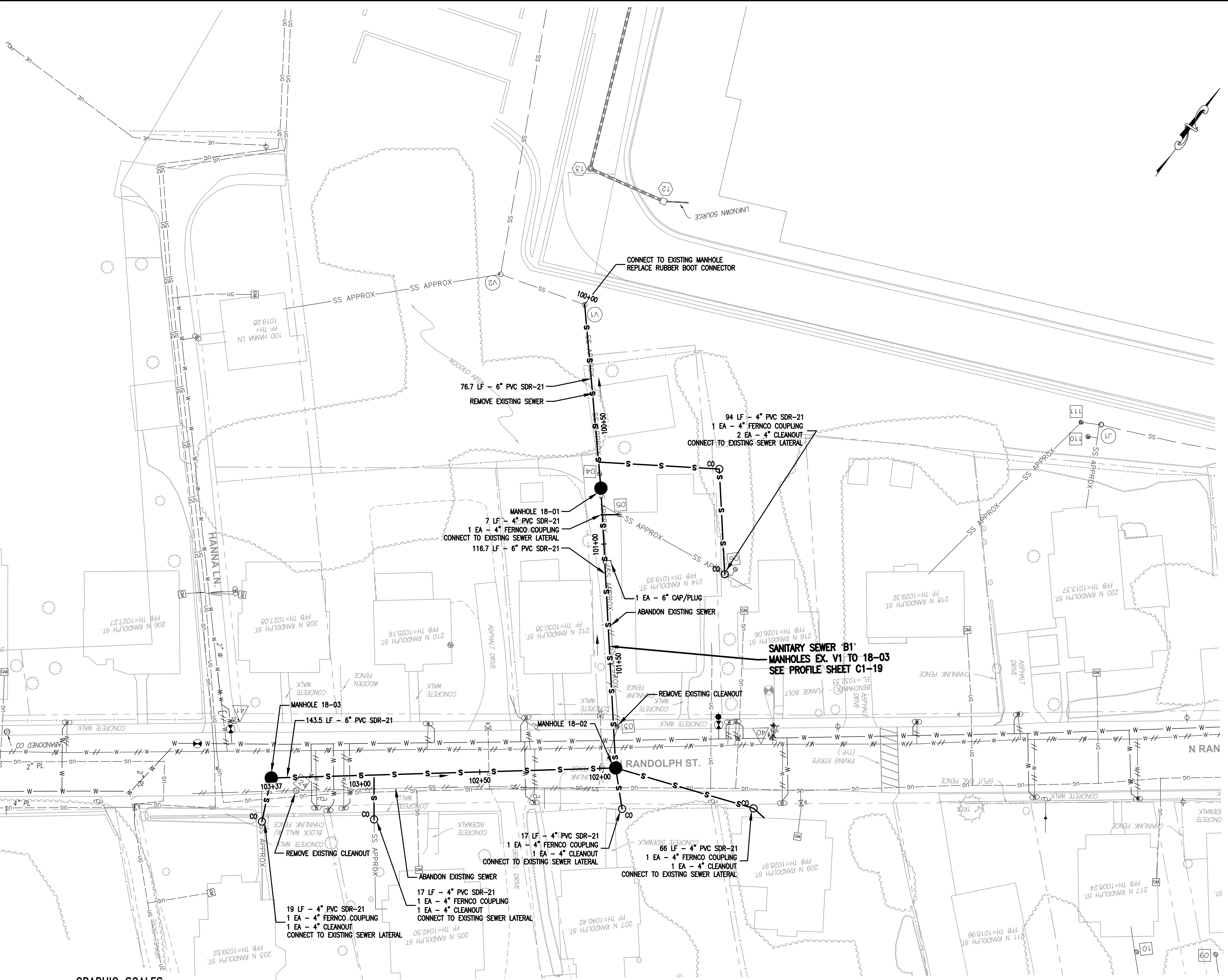
DRAWING
C1-06

SHEET
17

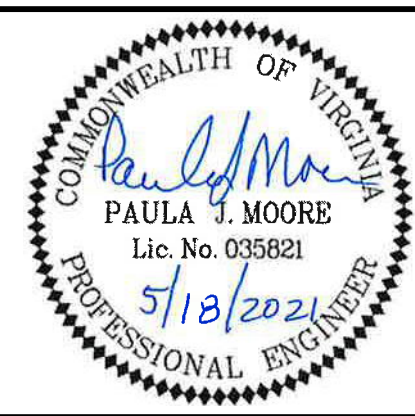
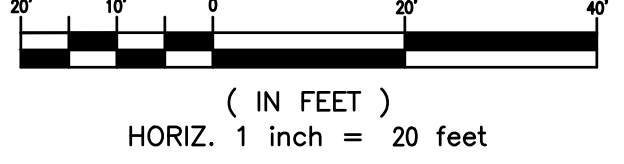
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GRAPHIC SCALES



CITY OF LEXINGTON PUBLIC WORKS
 890 SHOP ROAD
 LEXINGTON, VIRGINIA 24450

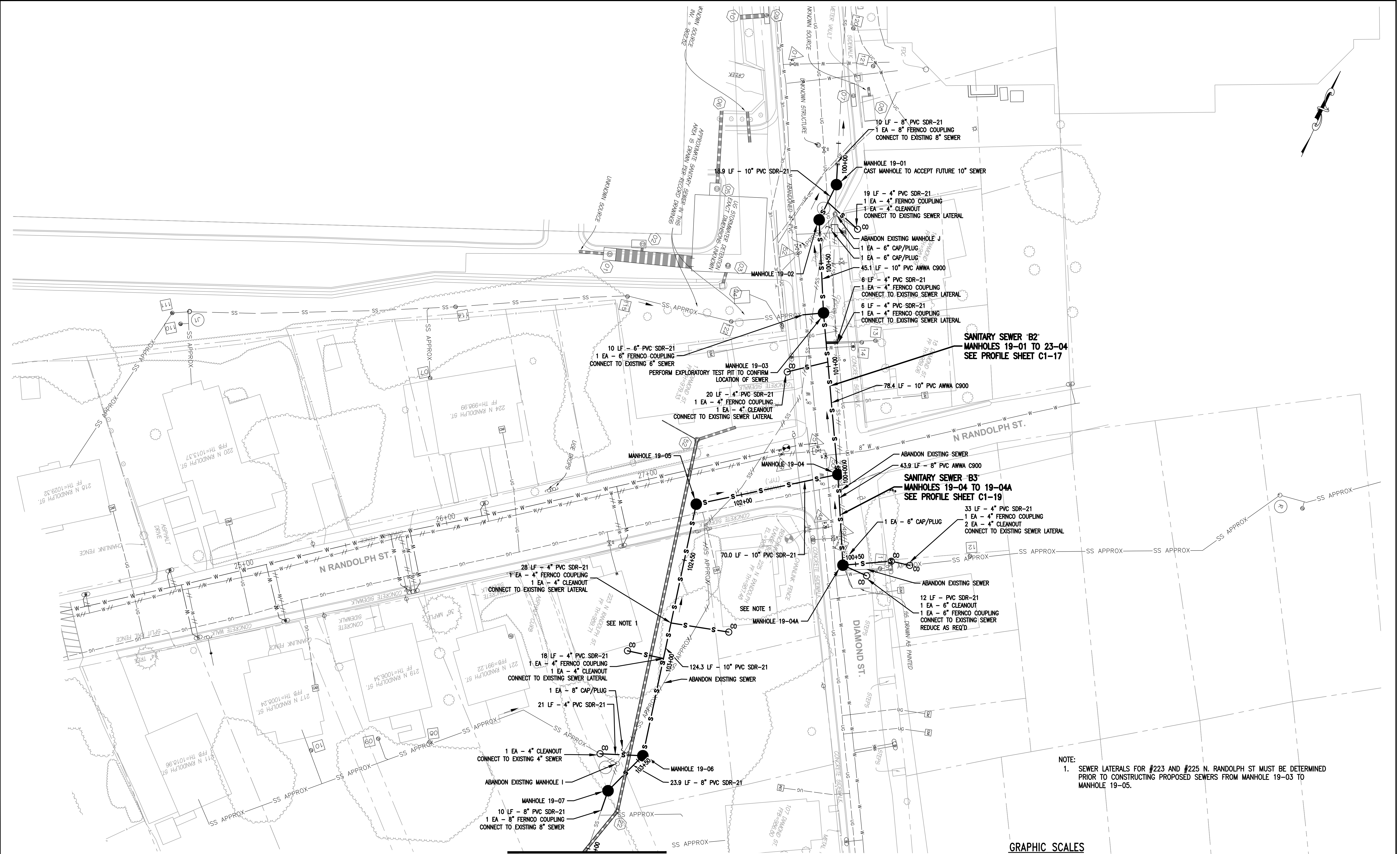
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 CHECK: GWF
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SCALE: AS SHOWN
 HORIZ: 1" = 20'
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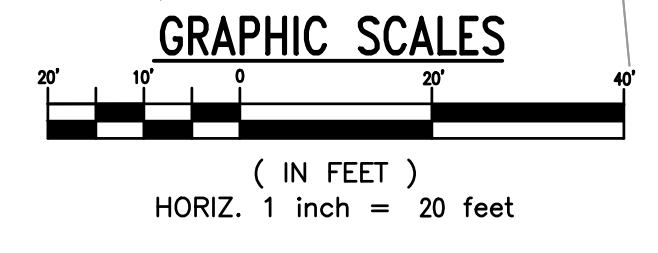
**DIAMOND HILL AREA
 SEWER REPLACEMENT PROJECT**

**SANITARY SEWER
 REPLACEMENT PLAN "B1"**

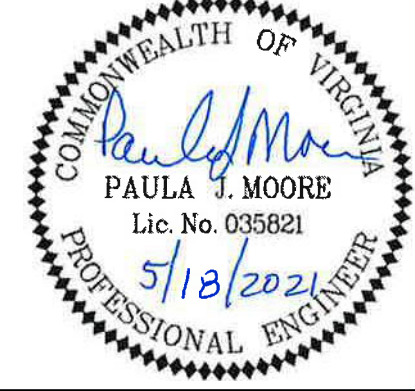
REV	DATE	DESCRIPTION	DRAWING	SHEET
			C1-07	18



NOTE:
 1. SEWER LATERALS FOR #223 AND #225 N. RANDOLPH ST MUST BE DETERMINED PRIOR TO CONSTRUCTING PROPOSED SEWERS FROM MANHOLE 19-03 TO MANHOLE 19-05.



SEE MATCHLINE DRAWING C1-09



CITY OF LEXINGTON PUBLIC WORKS
 890 SHOP ROAD
 LEXINGTON, VIRGINIA 24450

DES:	PJM	SCALE:	AS SHOWN
DRAWN:	RMV, DJA, JES	HORIZ:	1" = 20'
CHECK:	GWF	VERT:	
DATE:	05/18/21		

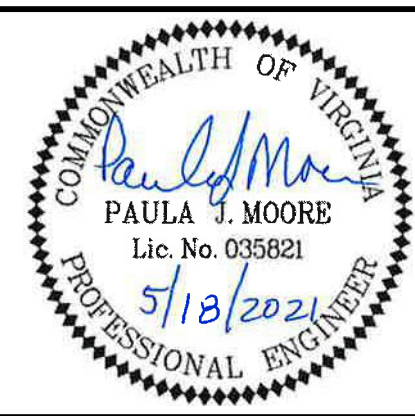
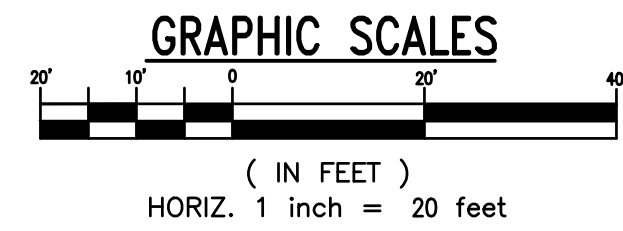
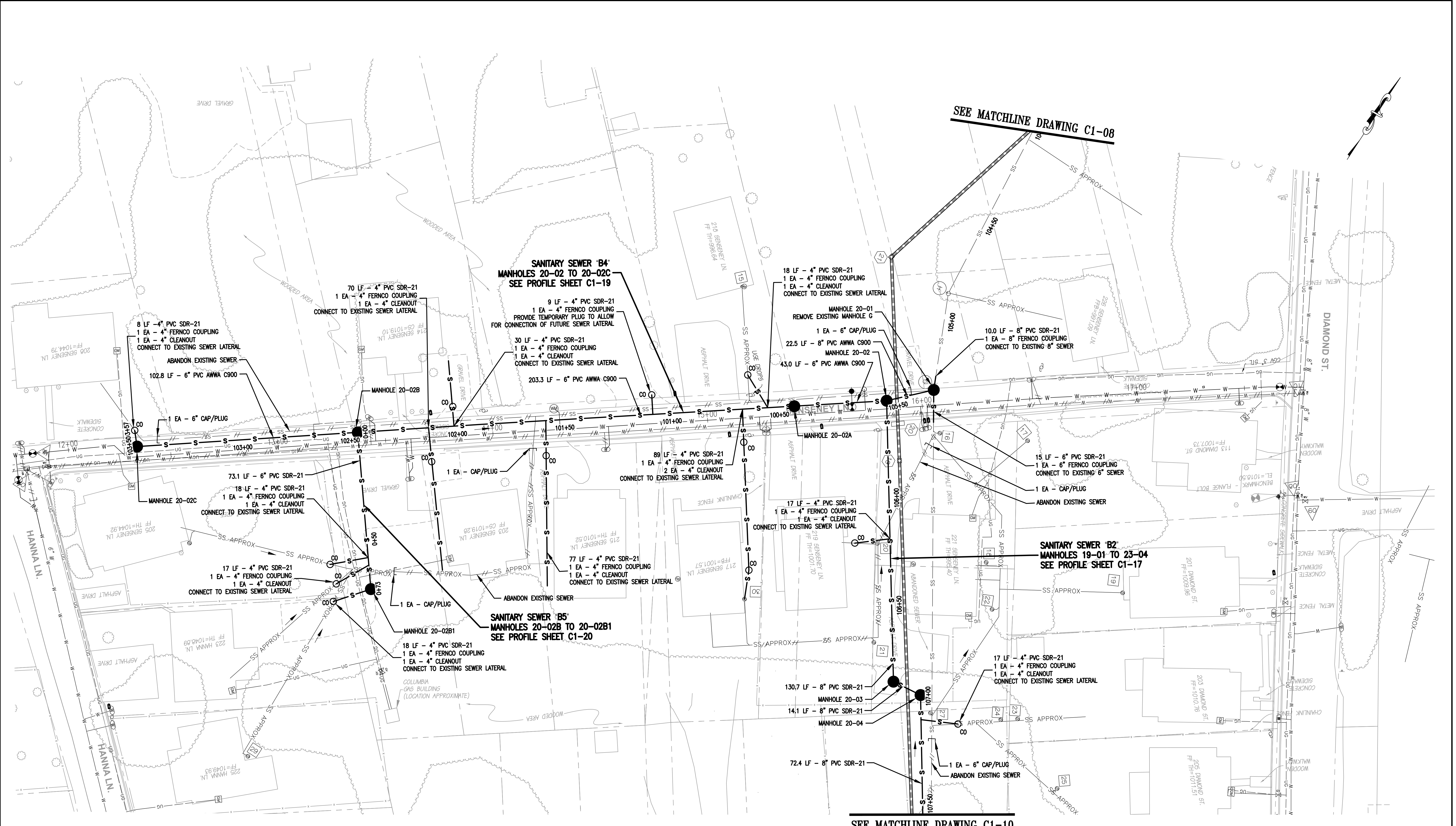
DIAMOND HILL AREA
 SEWER REPLACEMENT PROJECT

SANITARY SEWER
 REPLACEMENT PLAN "B2 & B3"

REV	DATE	DESCRIPTION	DRAWING	SHEET
			C1-08	19

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CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

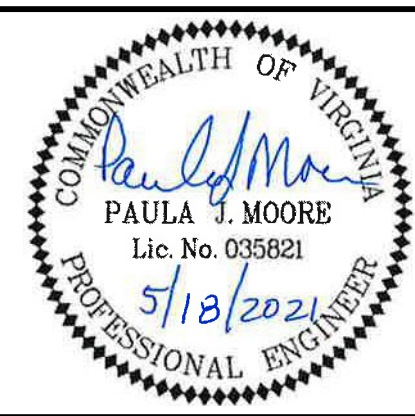
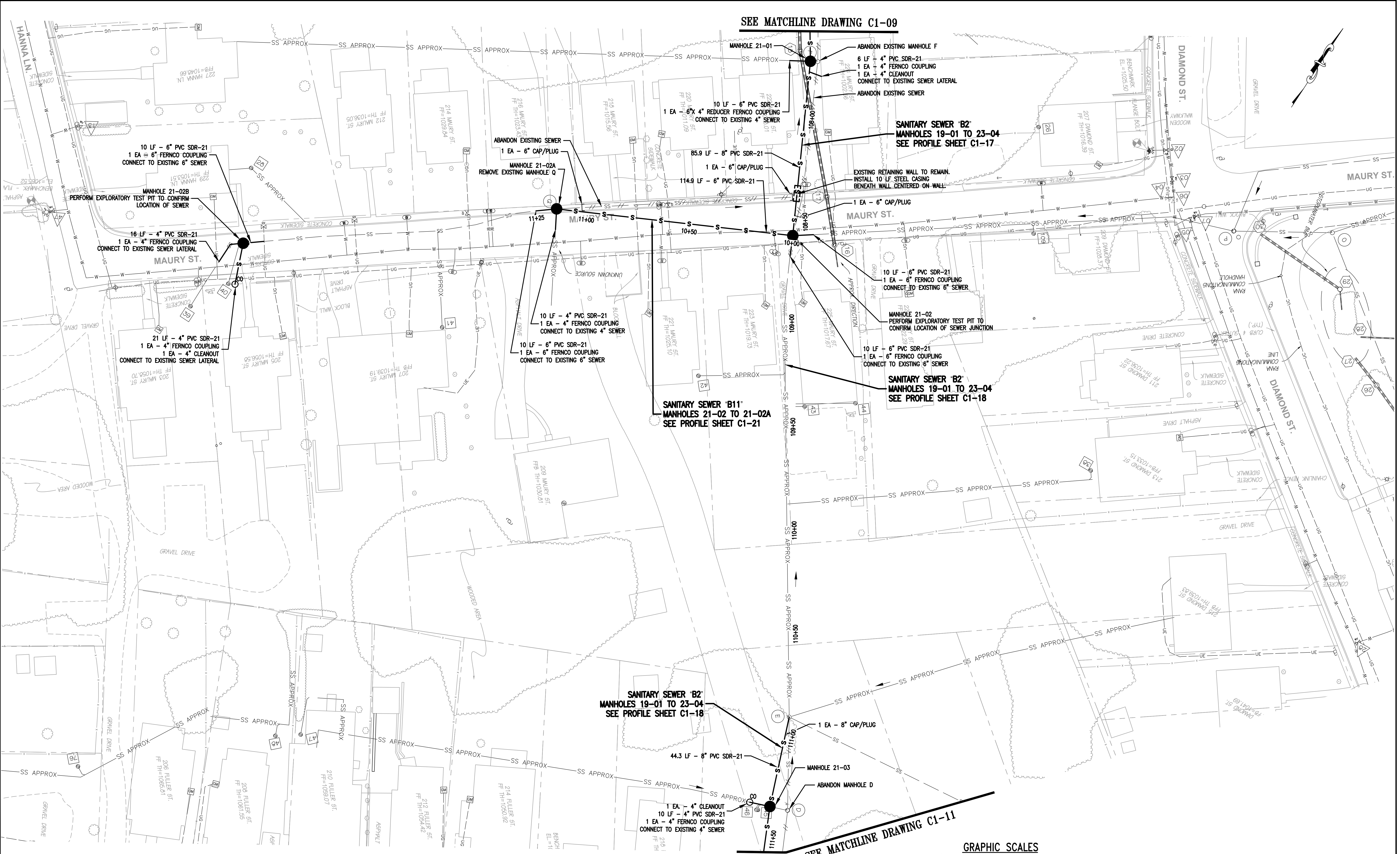
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CHECK:	GWF	VERT:	
DATE:	05/18/21		

**DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT**

**SANITARY SEWER
REPLACEMENT PLAN "B2, B4, & B5"**

REV	DATE	DESCRIPTION	DRAWING	SHEET
			C1-09	20

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CITY OF LEXINGTON PUBLIC WORKS
 890 SHOP ROAD
 LEXINGTON, VIRGINIA 24450

DES: PJM
 DRAWN: RMV, DJA, JES
 CHECK: GWF
 DATE: 05/18/21

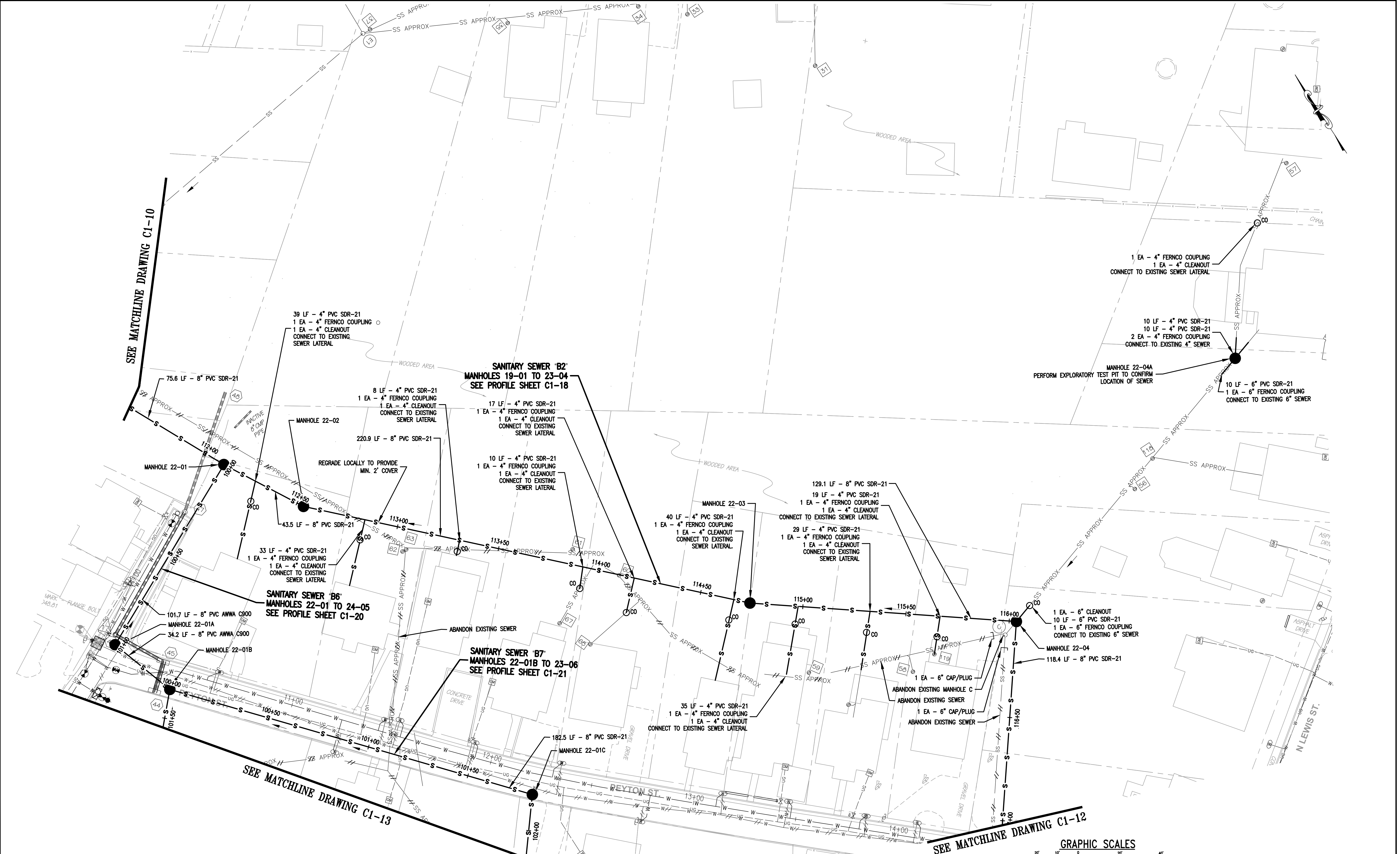
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**DIAMOND HILL AREA
 SEWER REPLACEMENT PROJECT**

**SANITARY SEWER
 REPLACEMENT PLAN "B2 & B11"**

REV	DATE	DESCRIPTION	DRAWING	SHEET
			C1-10	21

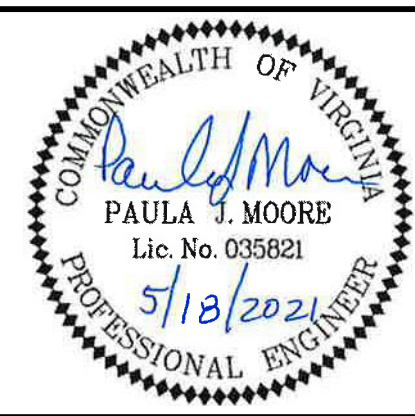
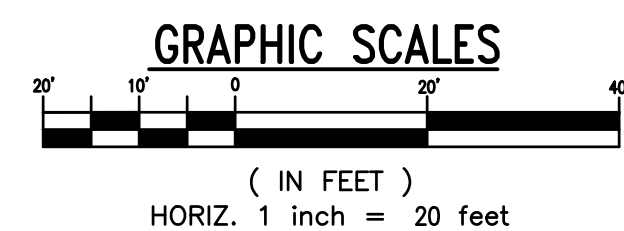
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SEE MATCHLINE DRAWING C1-10

SEE MATCHLINE DRAWING C1-13

SEE MATCHLINE DRAWING C1-12



CITY OF LEXINGTON PUBLIC WORKS
 890 SHOP ROAD
 LEXINGTON, VIRGINIA 24450

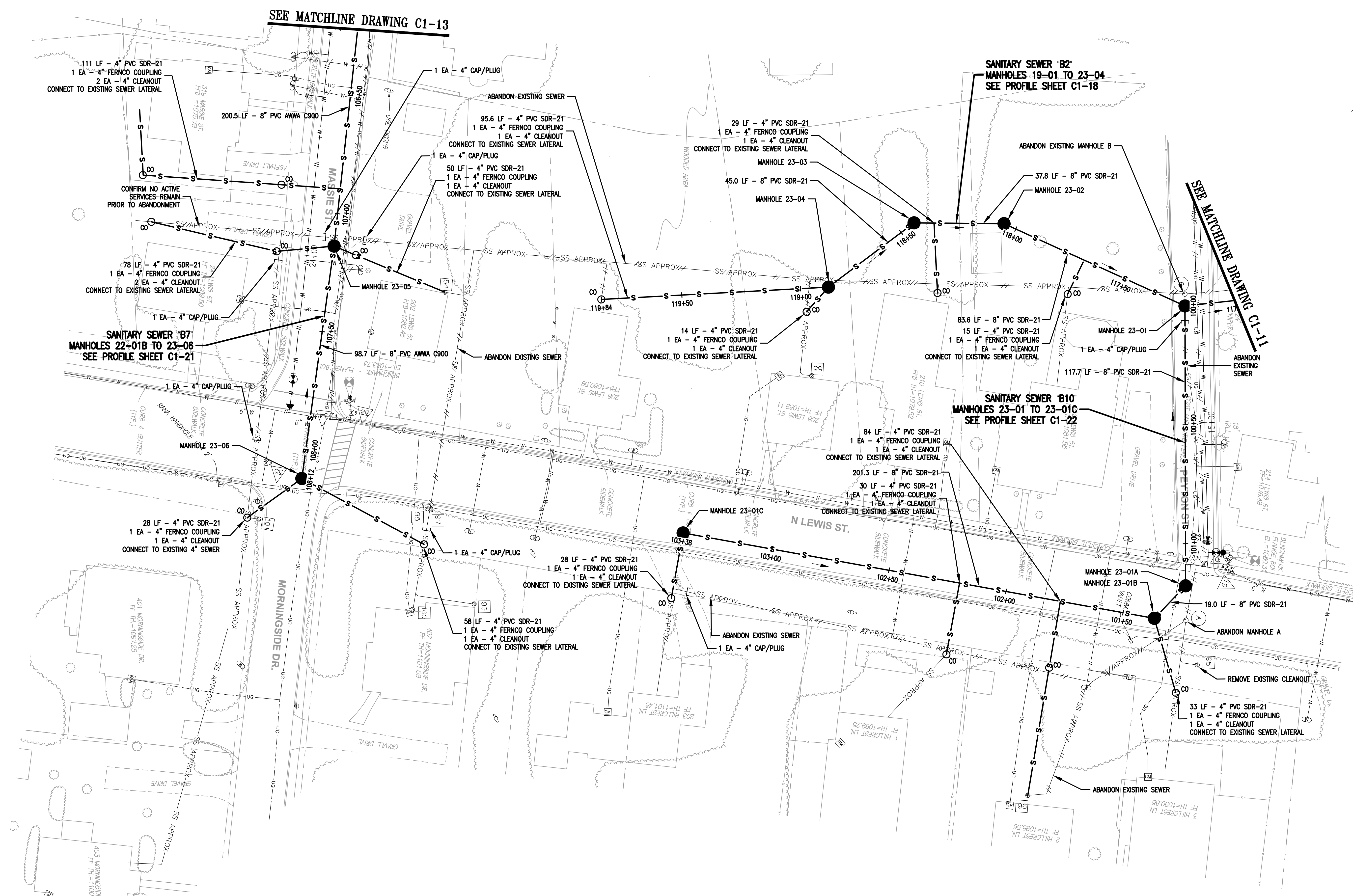
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 CHECK: GWF
 DATE: 05/18/21

SCALE: AS SHOWN
 HORIZ: 1" = 20'
 VERT:

DIAMOND HILL AREA
 SEWER REPLACEMENT PROJECT

SANITARY SEWER
 REPLACEMENT PLAN "B2, B6, & B7"

REV	DATE	DESCRIPTION	DRAWING	SHEET
			C1-11	22



SEE MATCHLINE DRAWING C1-13

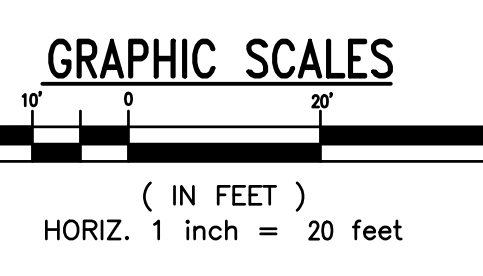
SEE MATCHLINE DRAWING C1-11

SANITARY SEWER 'B2'
MANHOLES 19-01 TO 23-04
SEE PROFILE SHEET C1-18

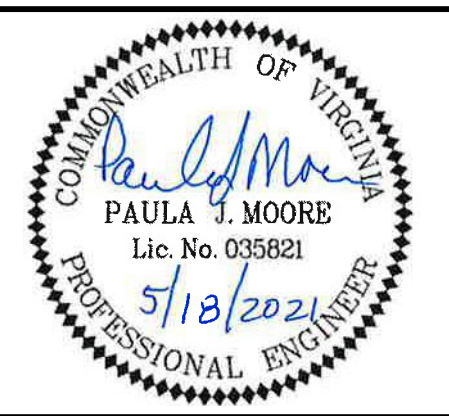
111 LF - 4" PVC SDR-21
1 EA - 4" FERNCO COUPLING
2 EA - 4" CLEANOUT
CONNECT TO EXISTING SEWER LATERAL

SANITARY SEWER 'B7'
MANHOLES 22-01B TO 23-06
SEE PROFILE SHEET C1-21

SANITARY SEWER 'B10'
MANHOLES 23-01 TO 23-01C
SEE PROFILE SHEET C1-22



REV	DATE	DESCRIPTION



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

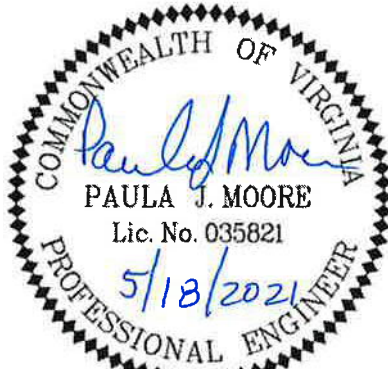
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CHECK: GWF	VERT:
DATE: 05/18/21	

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

SANITARY SEWER
REPLACEMENT PLAN "B2, B7, & B10"

DRAWING	SHEET
C1-12	23

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CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES: PJM
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CHECK: GWF
DATE: 05/18/21

SCALE: AS SHOWN
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VERT:

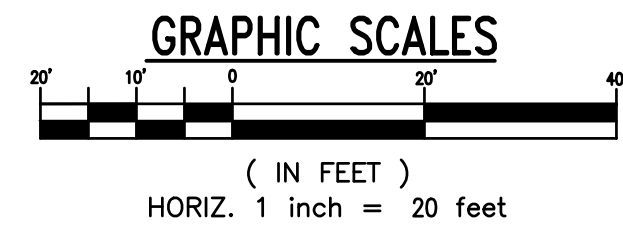
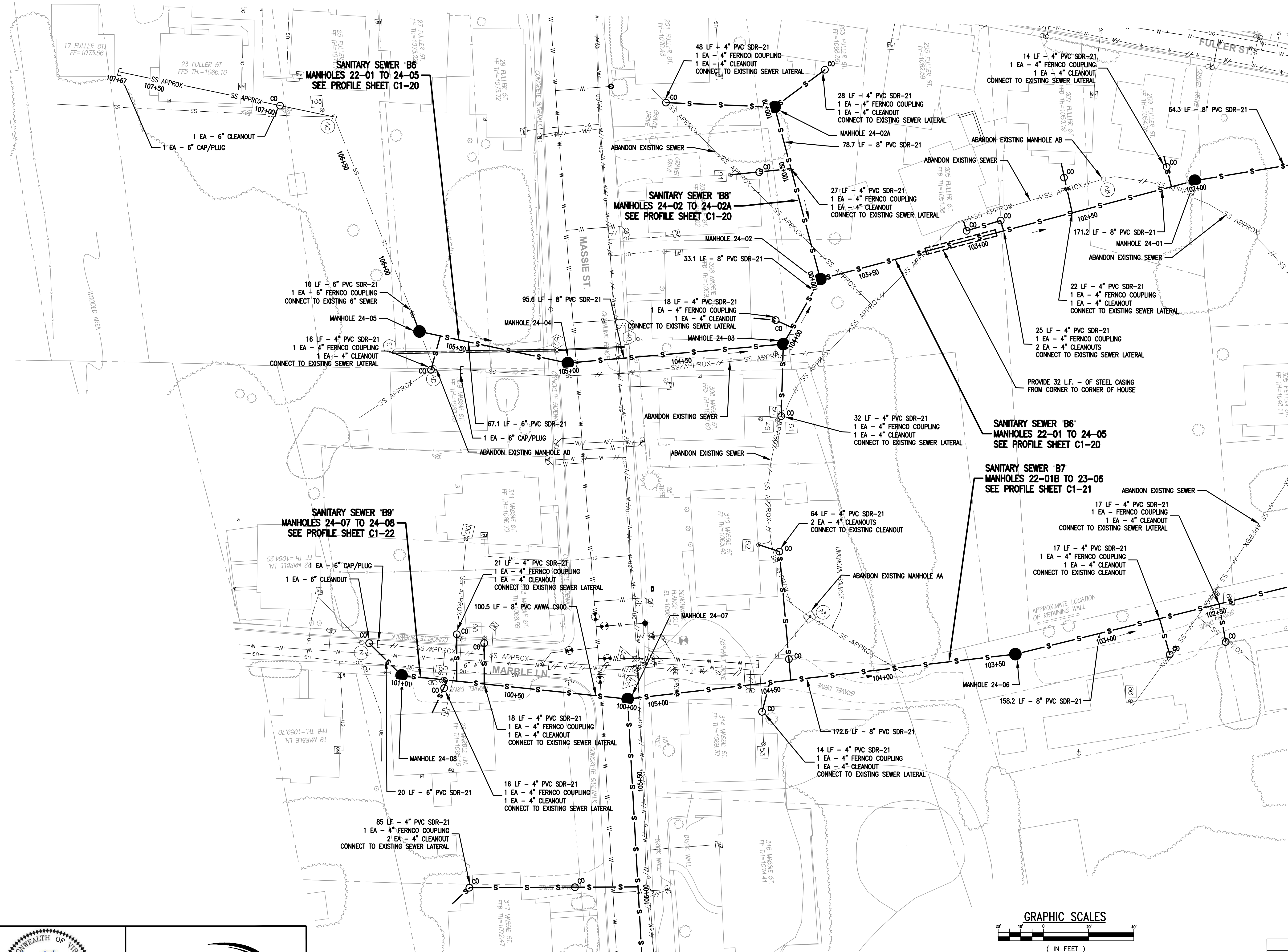
DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

SANITARY SEWER
REPLACEMENT PLAN "B6, B7, B8, & B9"

DRAWING
C1-13

SHEET
24

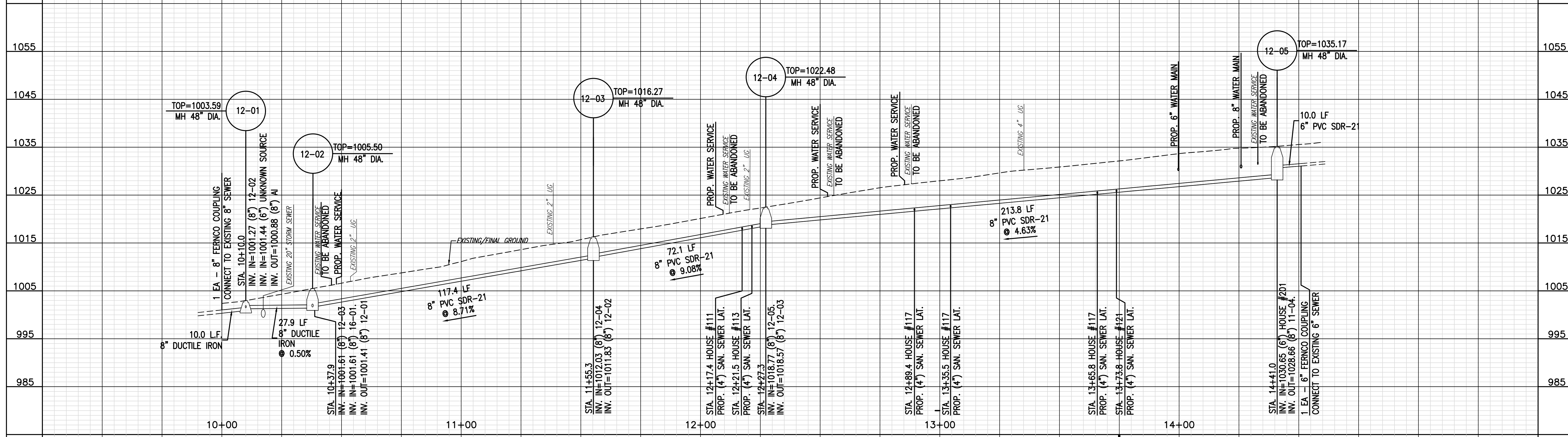
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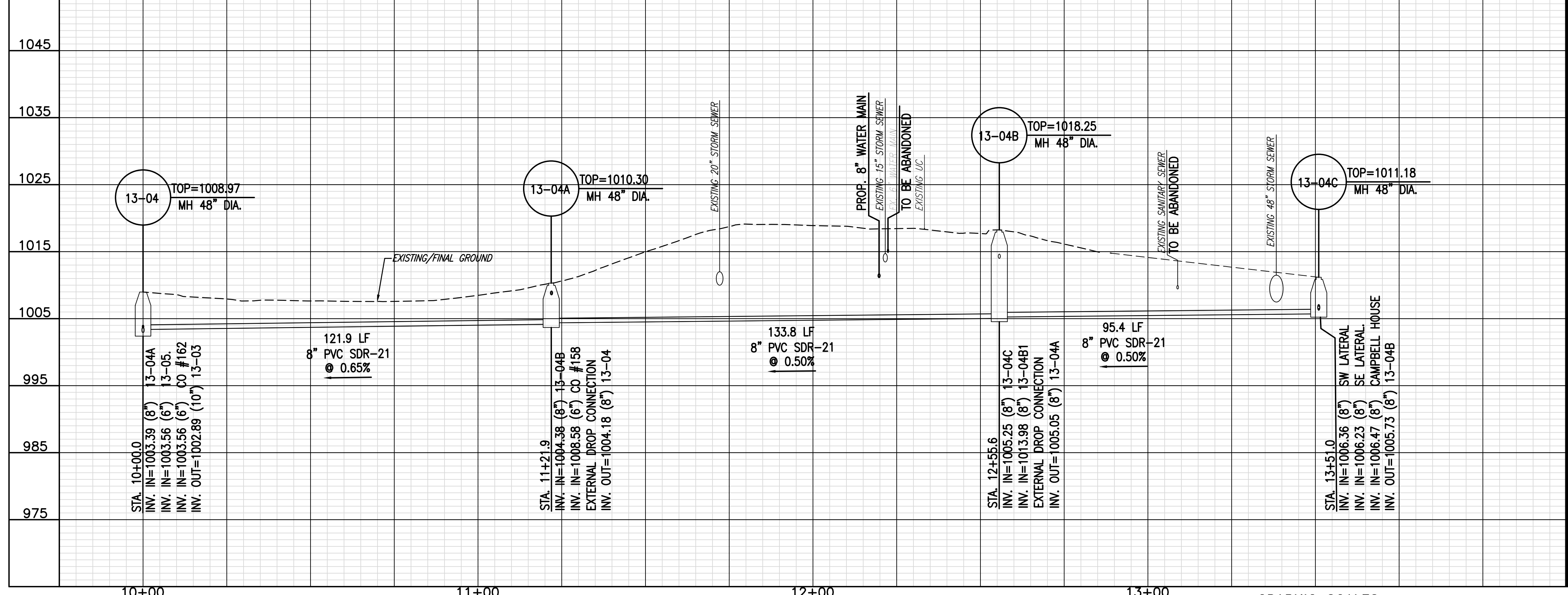
SEE MATCHLINE DRAWING C1-11

SEE MATCHLINE DRAWING C1-12

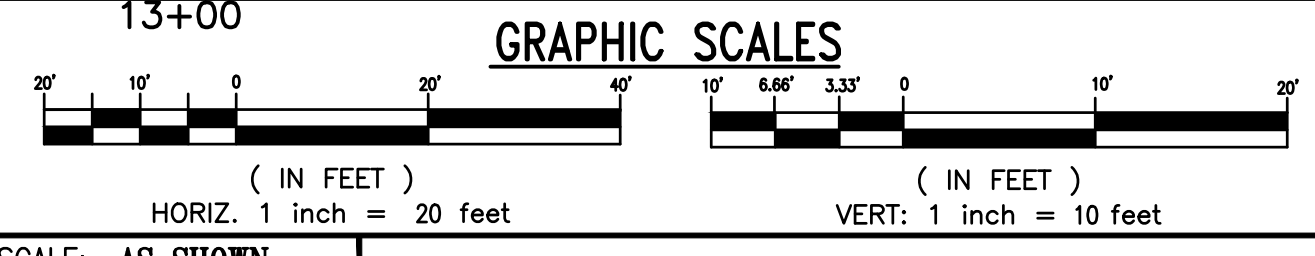
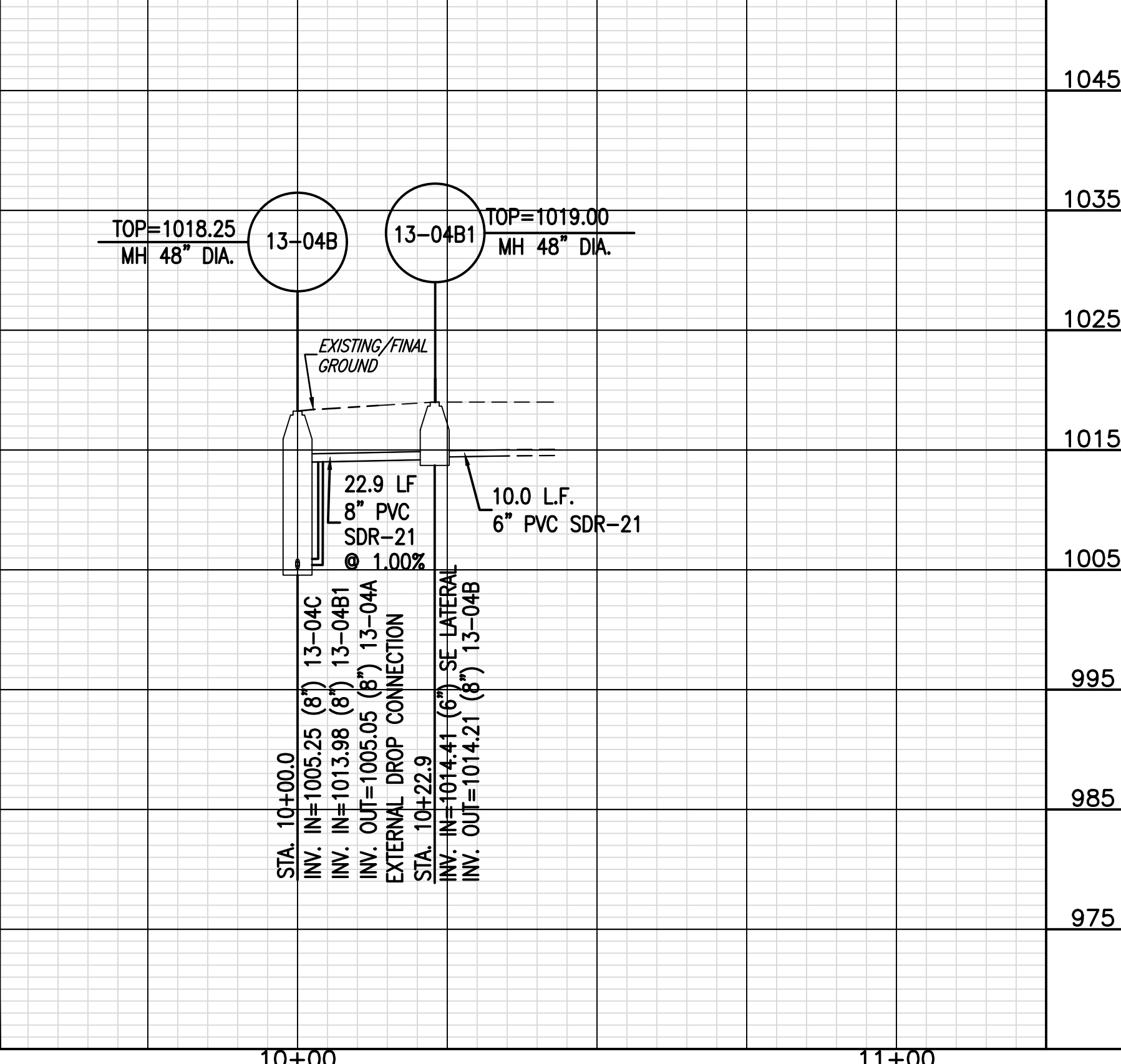
PROPOSED SANITARY SEWER PROFILE "A1"
SEE SANITARY SEWER PLAN, DRAWING C1-01



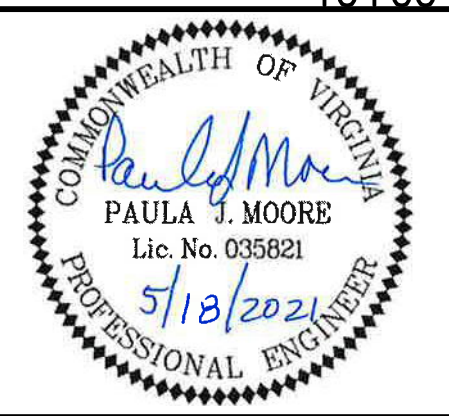
PROPOSED SANITARY SEWER PROFILE "A3"
SEE SANITARY SEWER PLAN, DRAWING C1-02



PROPOSED SANITARY SEWER PROFILE "A4"
SEE SANITARY SEWER PLAN, DRAWING C1-02



REV	DATE	DESCRIPTION



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES: PJM
DRAWN: RMV, DJA, JES
CHECK: GWF
DATE: 05/18/21

SCALE: AS SHOWN
HORIZ: 1"=20'
VERT: 1"=10'

DIAMOND HILL AREA
SEWER REHABILITATION

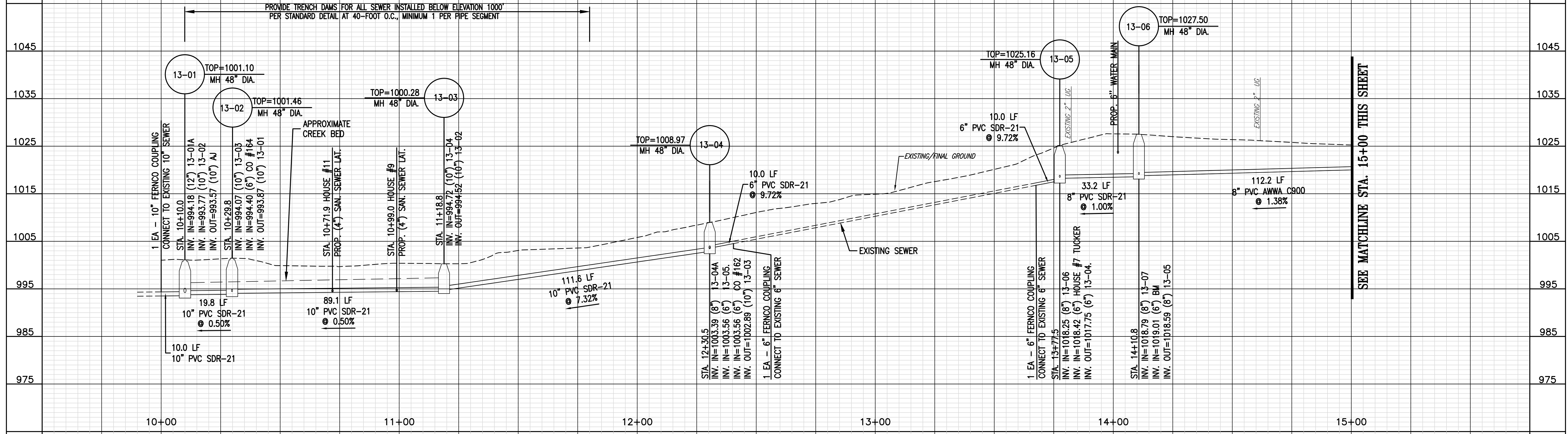
SANITARY SEWER
REPLACEMENT PROFILE "A1, A3, & A4"

DRAWING
C1-14

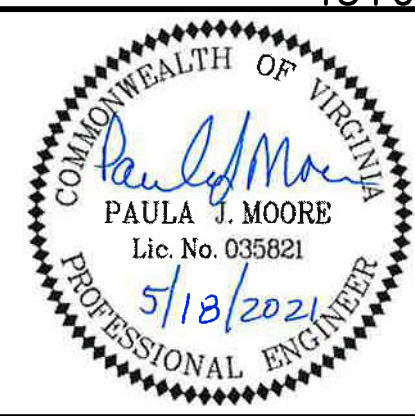
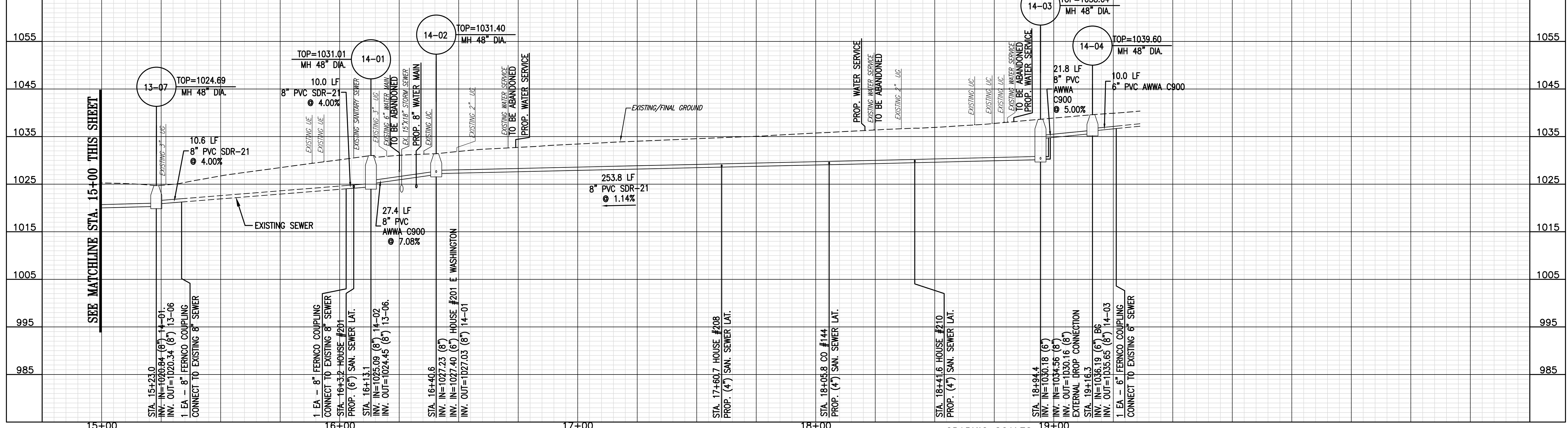
SHEET
25

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PROPOSED SANITARY SEWER PROFILE "A2"
SEE SANITARY SEWER PLAN, DRAWING C1-02

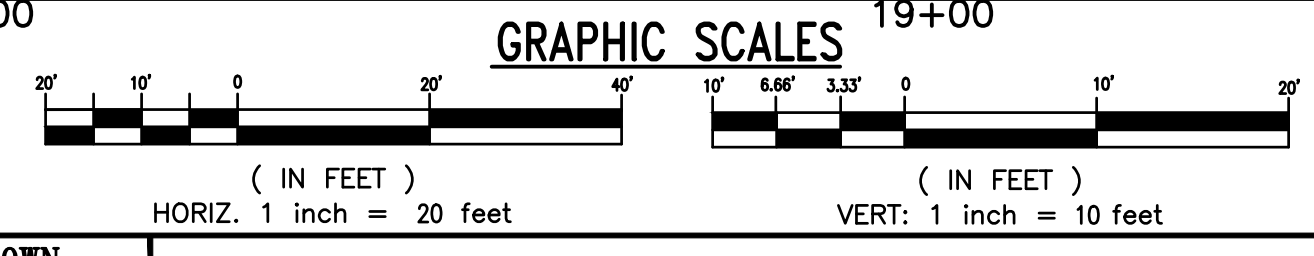


PROPOSED SANITARY SEWER PROFILE "A2"
SEE SANITARY SEWER PLAN, DRAWING C1-02 & C1-03



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES:	PJM	SCALE:	AS SHOWN
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DATE:	05/18/21		



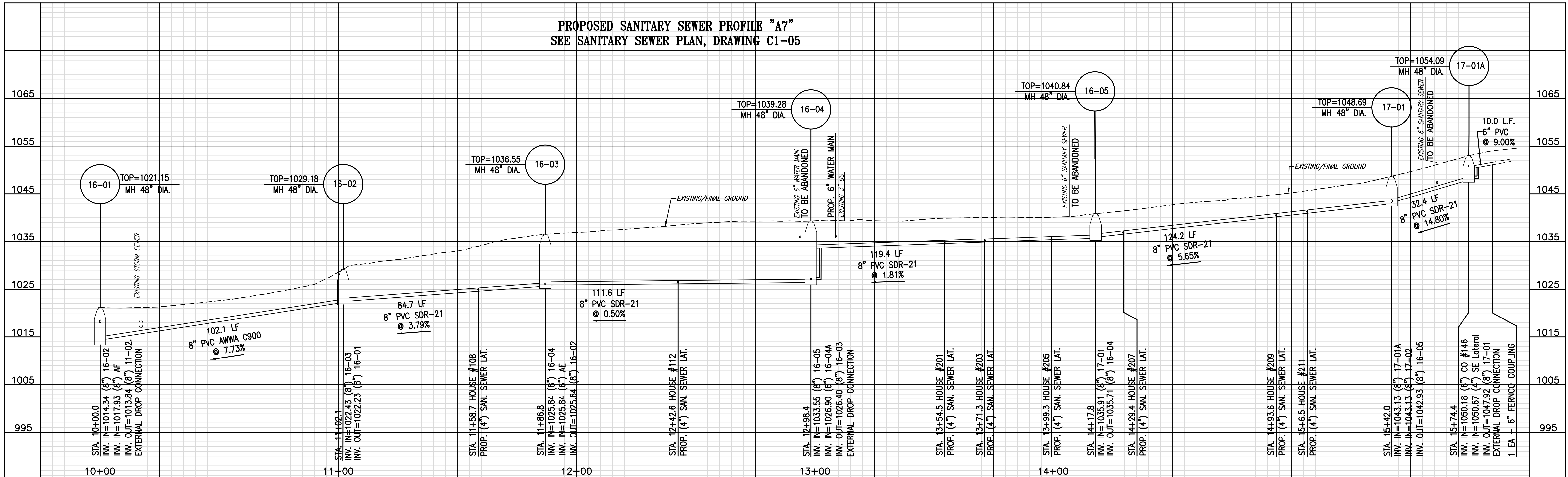
DIAMOND HILL AREA
SEWER REHABILITATION

SANITARY SEWER
REPLACEMENT PROFILE "A2"

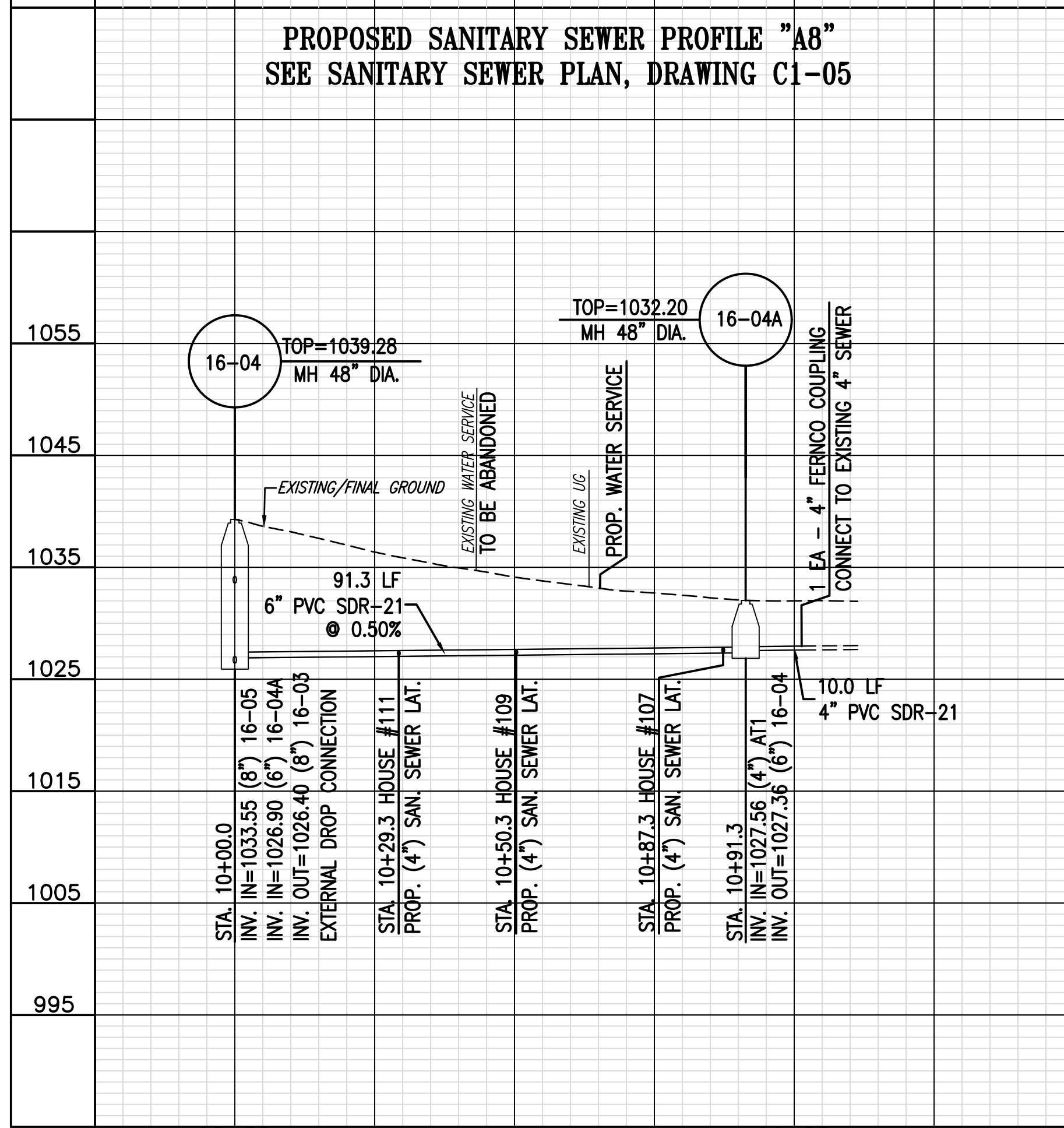
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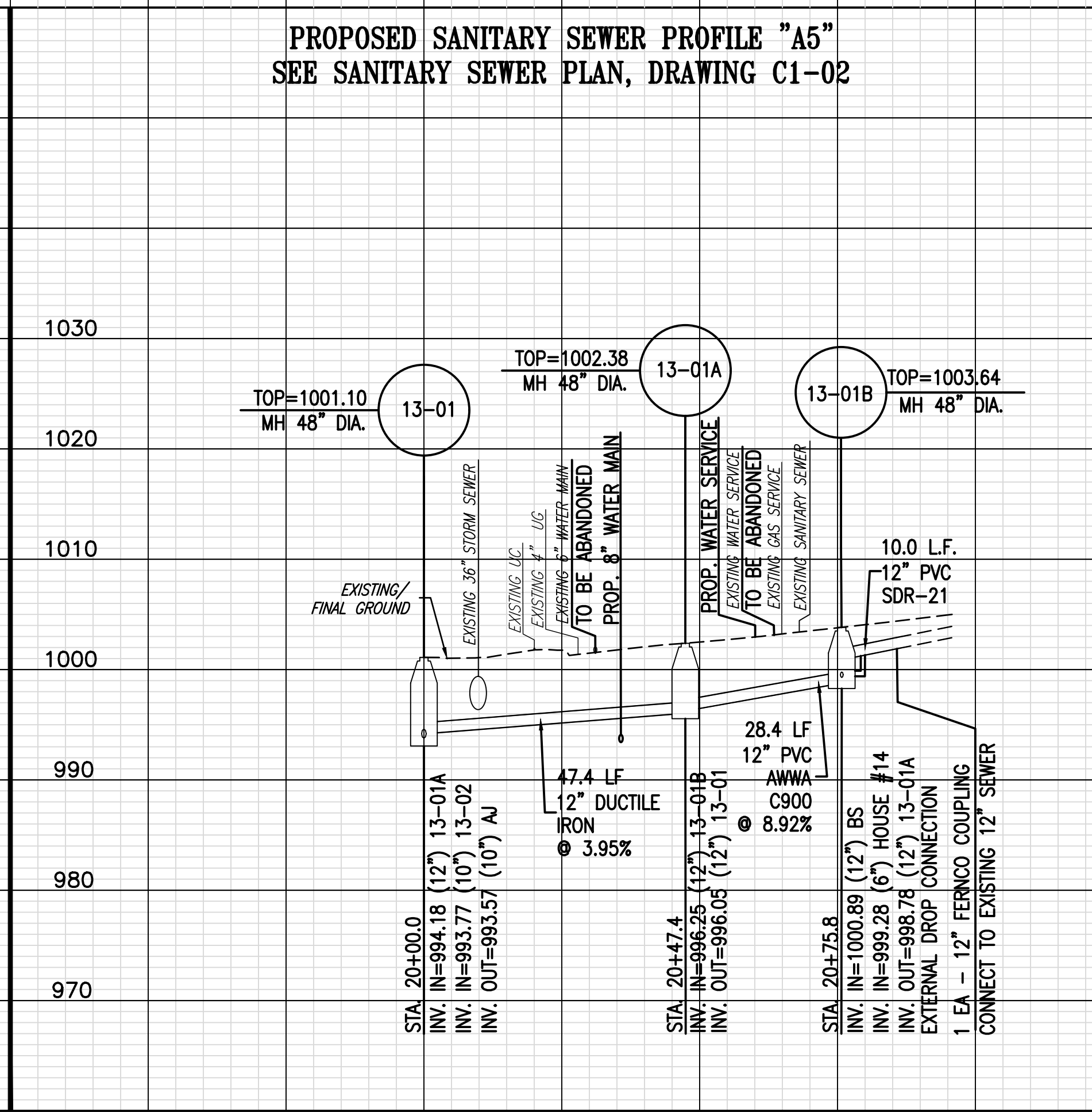
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SEE SANITARY SEWER PLAN, DRAWING C1-05



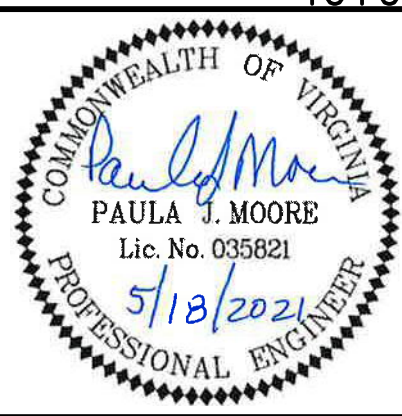
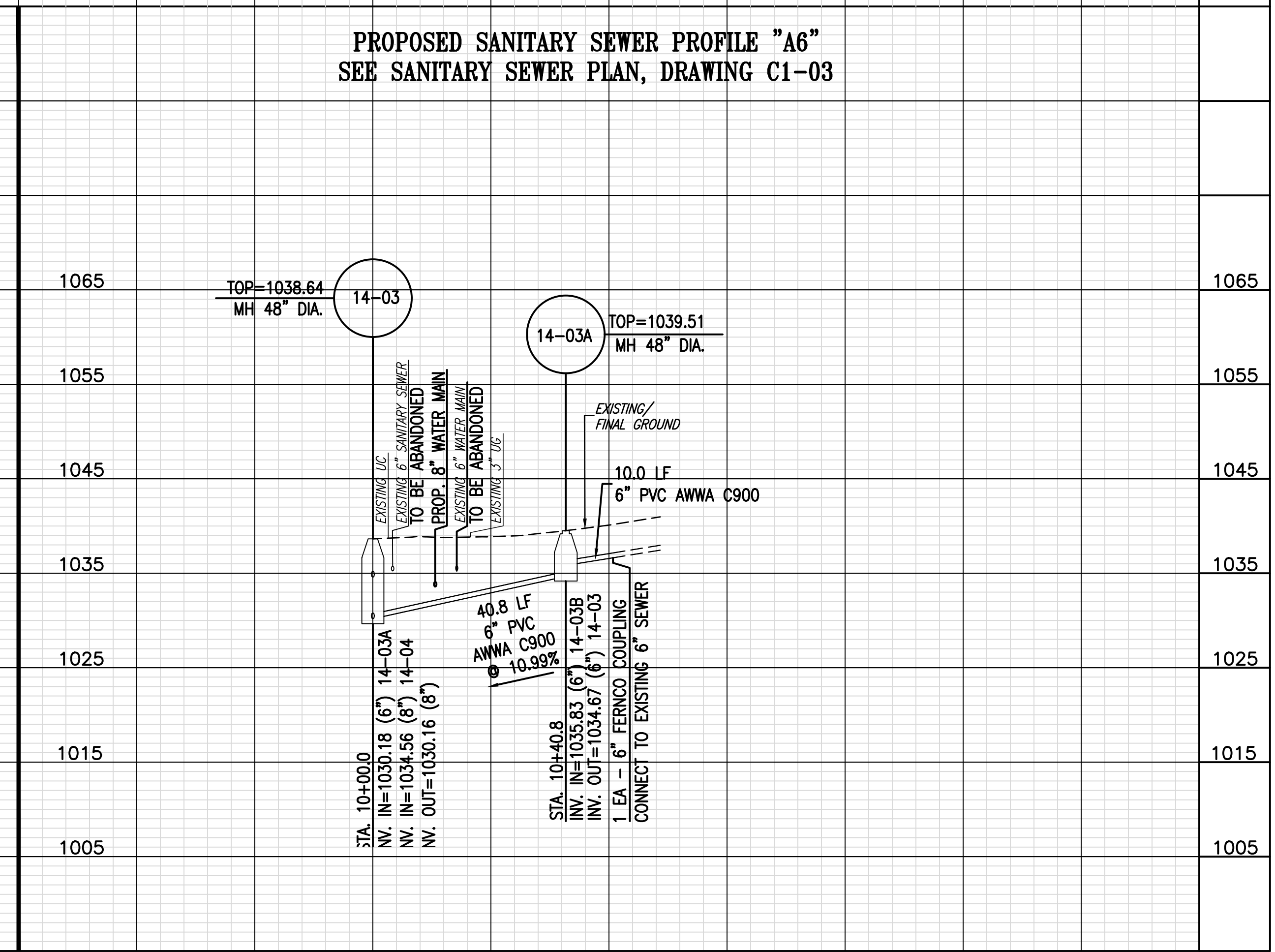
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SEE SANITARY SEWER PLAN, DRAWING C1-05



PROPOSED SANITARY SEWER PROFILE "A5"
SEE SANITARY SEWER PLAN, DRAWING C1-02



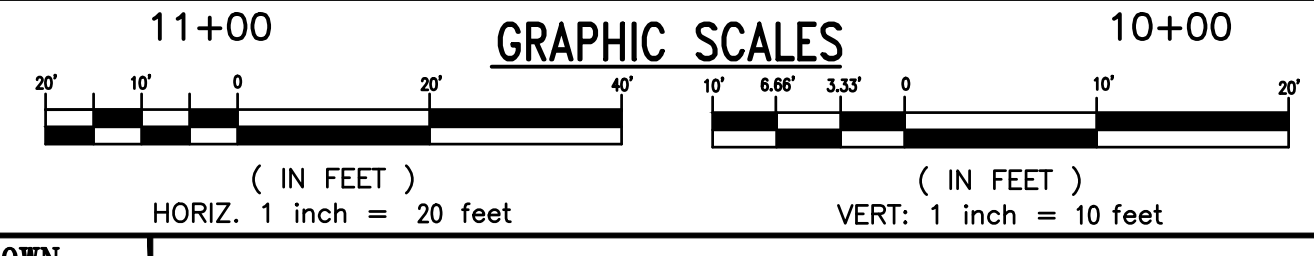
PROPOSED SANITARY SEWER PROFILE "A6"
SEE SANITARY SEWER PLAN, DRAWING C1-03



CITY OF LEXINGTON PUBLIC WORKS
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LEXINGTON, VIRGINIA 24450

DES: PJM
DRAWN: RMV, DJA, JES
CHECK: GWF
DATE: 05/18/21

SCALE: AS SHOWN
HORIZ: 1"=20'
VERT: 1"=10'



DIAMOND HILL AREA
SEWER REHABILITATION

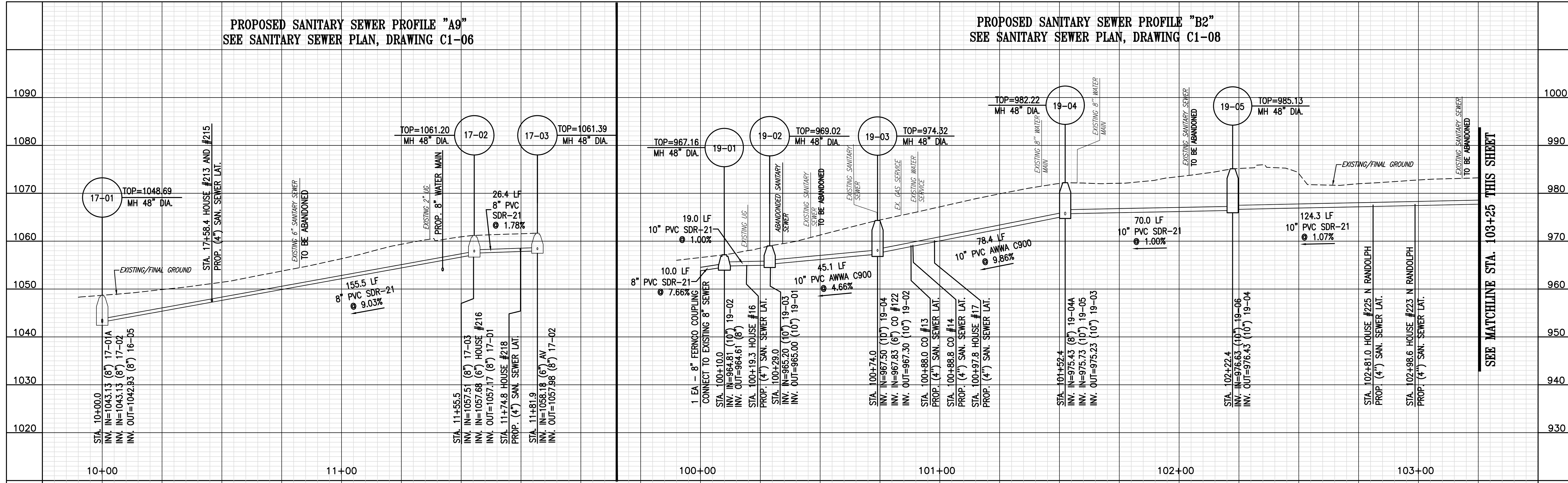
SANITARY SEWER
REPLACEMENT PROFILE "A5, A6, A7, & A8"

REV	DATE	DESCRIPTION

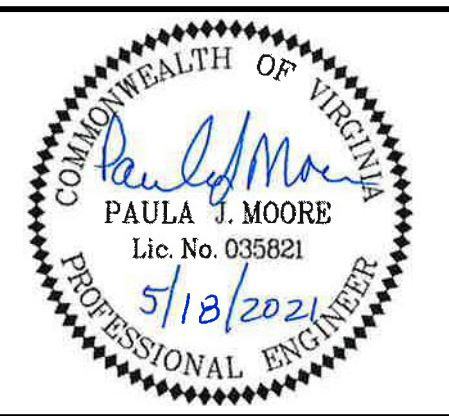
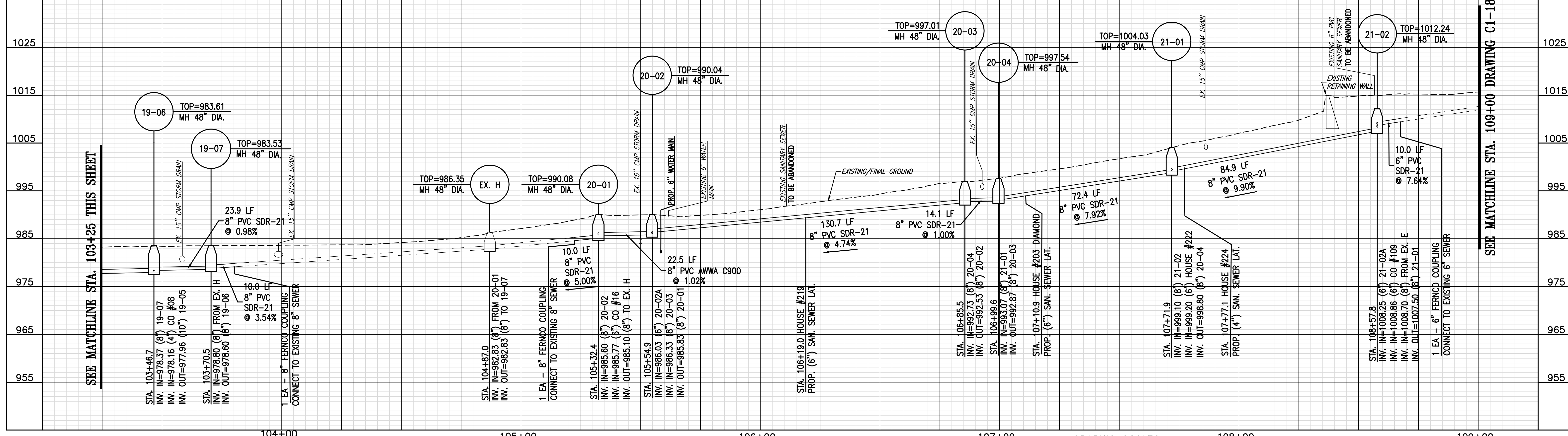
DRAWING: C1-16
SHEET: 27

PROPOSED SANITARY SEWER PROFILE "A9"
SEE SANITARY SEWER PLAN, DRAWING C1-06

PROPOSED SANITARY SEWER PROFILE "B2"
SEE SANITARY SEWER PLAN, DRAWING C1-08

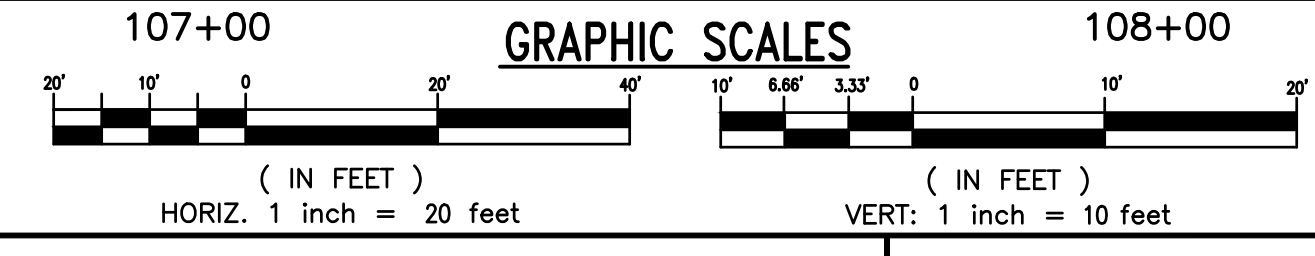


PROPOSED SANITARY SEWER PROFILE "B2"
SEE SANITARY SEWER PLAN, DRAWING C1-08, C1-09, & C1-10



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES:	PJM	SCALE:	AS SHOWN
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DATE:	05/18/21		



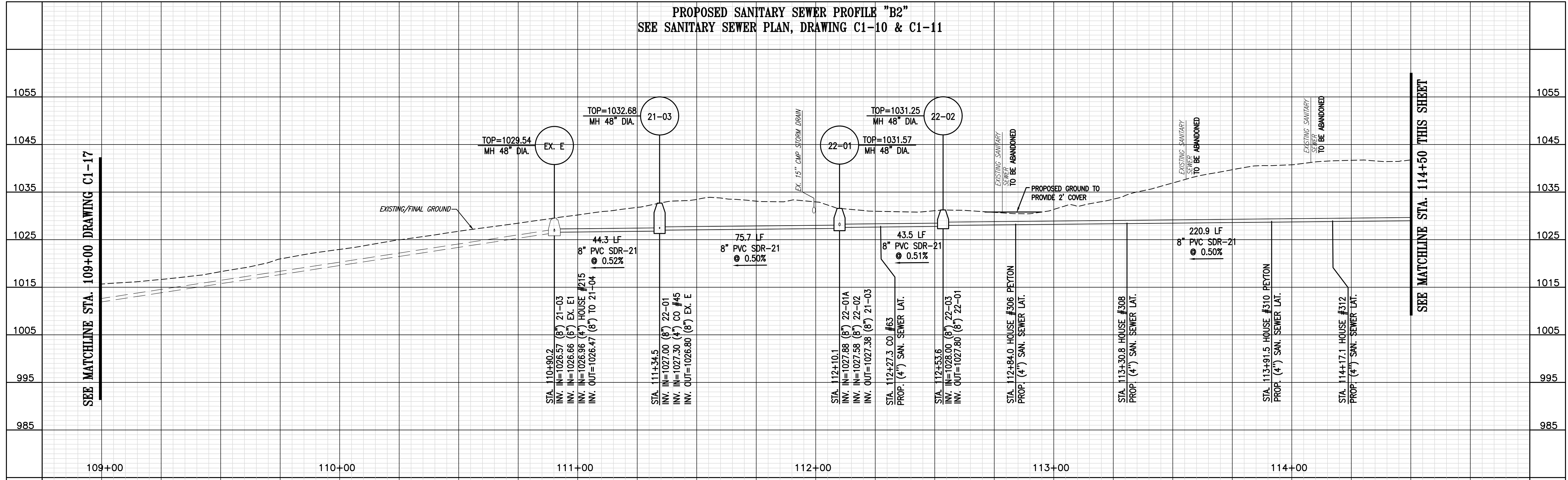
DIAMOND HILL AREA
SEWER REHABILITATION

SANITARY SEWER
REPLACEMENT PROFILE "A9 & B2"

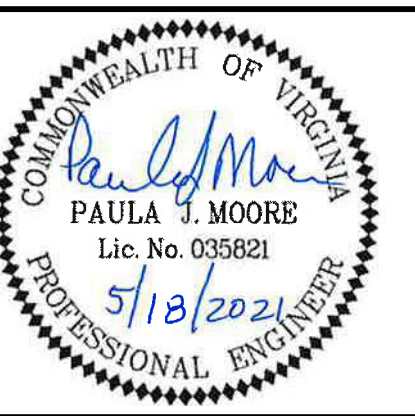
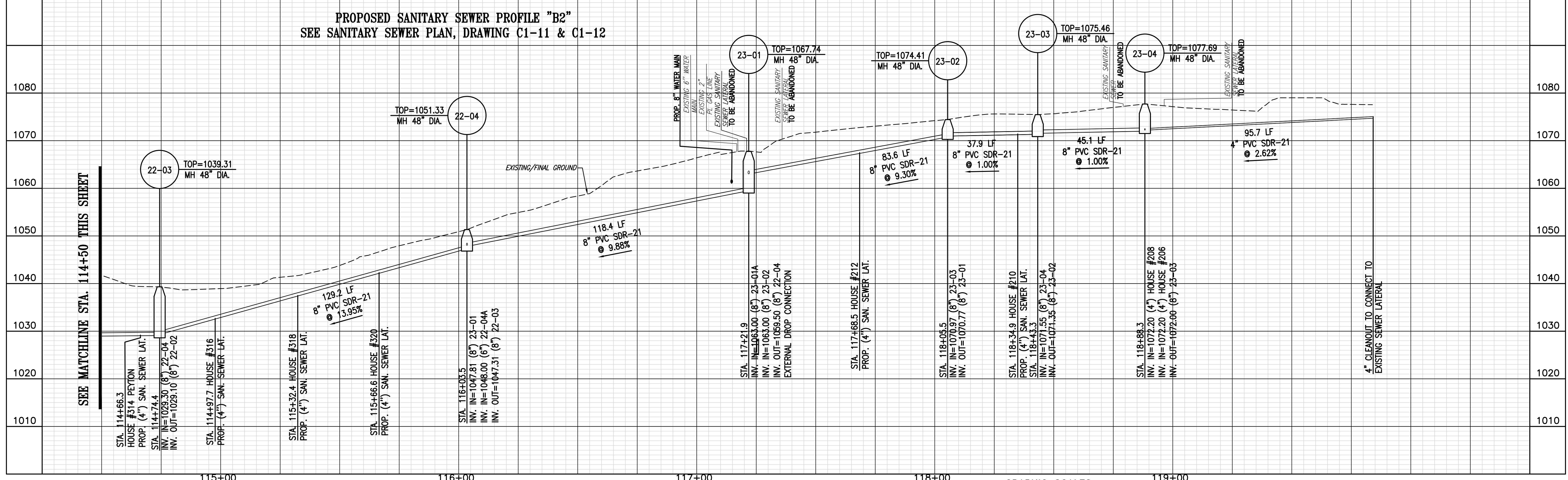
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PROPOSED SANITARY SEWER PROFILE "B2"
SEE SANITARY SEWER PLAN, DRAWING C1-10 & C1-11

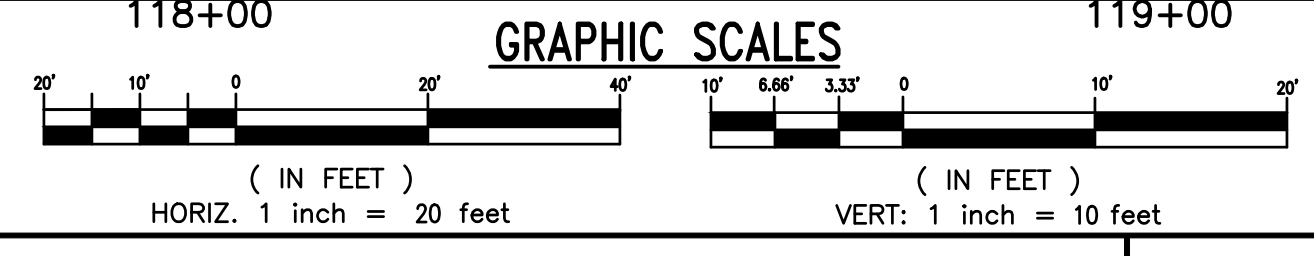


PROPOSED SANITARY SEWER PROFILE "B2"
SEE SANITARY SEWER PLAN, DRAWING C1-11 & C1-12



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES: PJM
DRAWN: RMV, DJA, JES
CHECK: GWF
DATE: 05/18/21



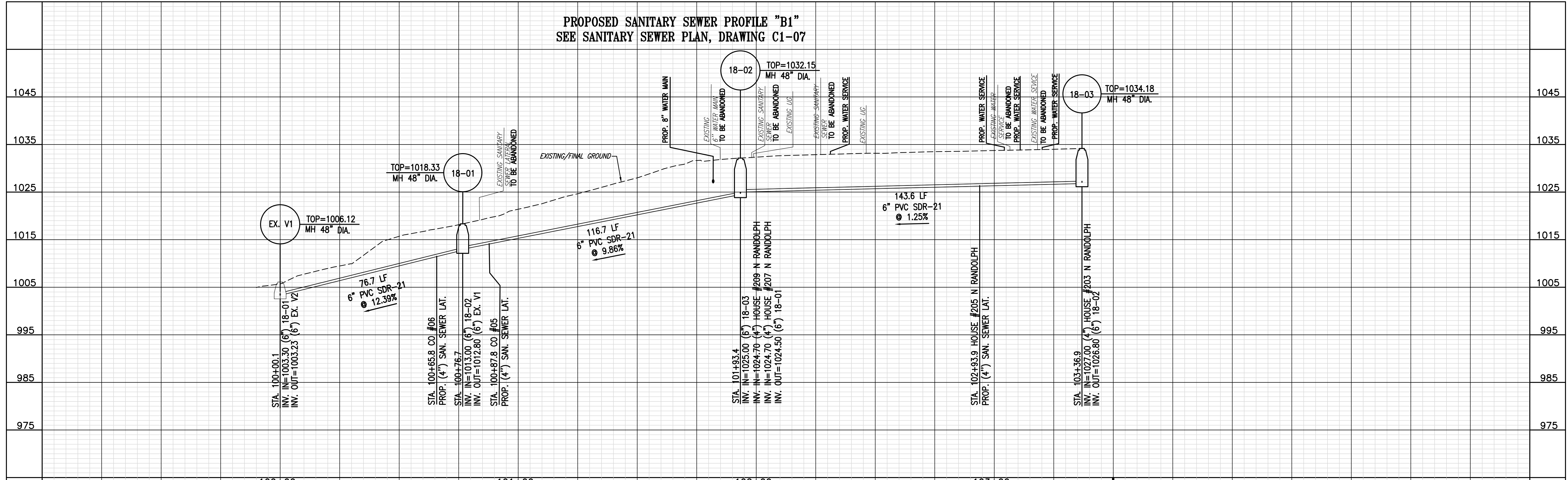
DIAMOND HILL AREA
SEWER REHABILITATION

SANITARY SEWER
REPLACEMENT PROFILE "B2"

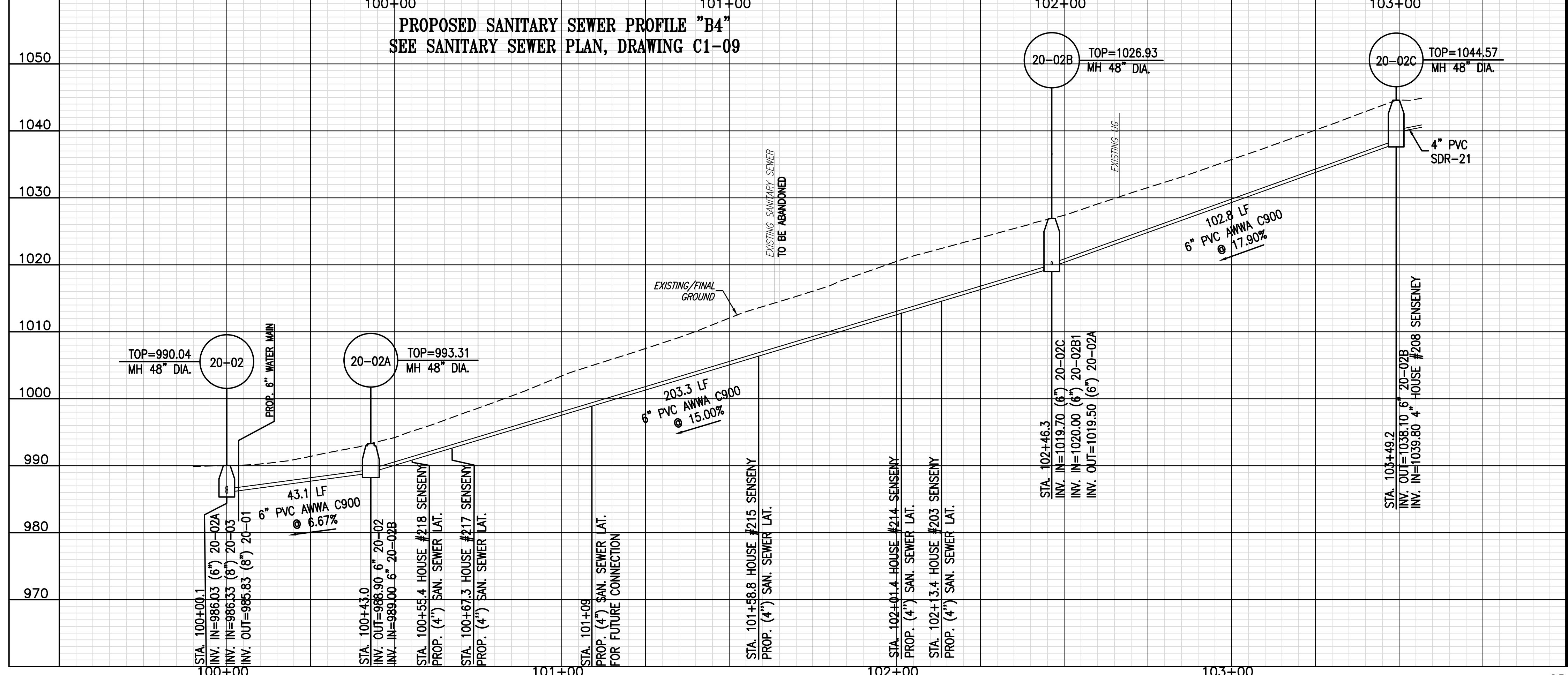
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DRAWING	SHEET
C1-18	29

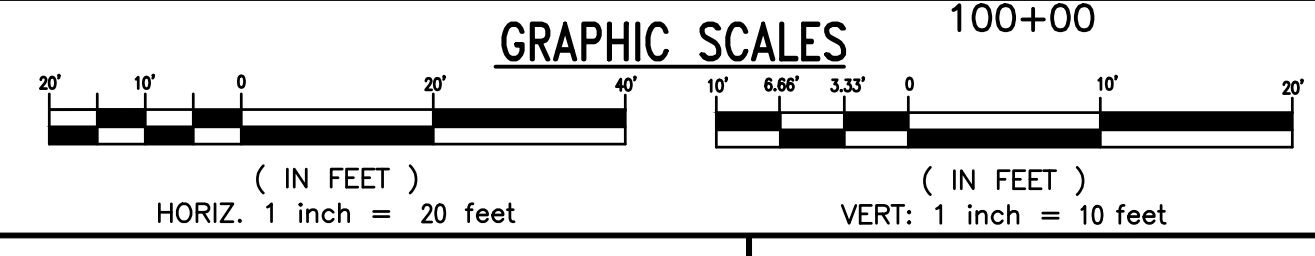
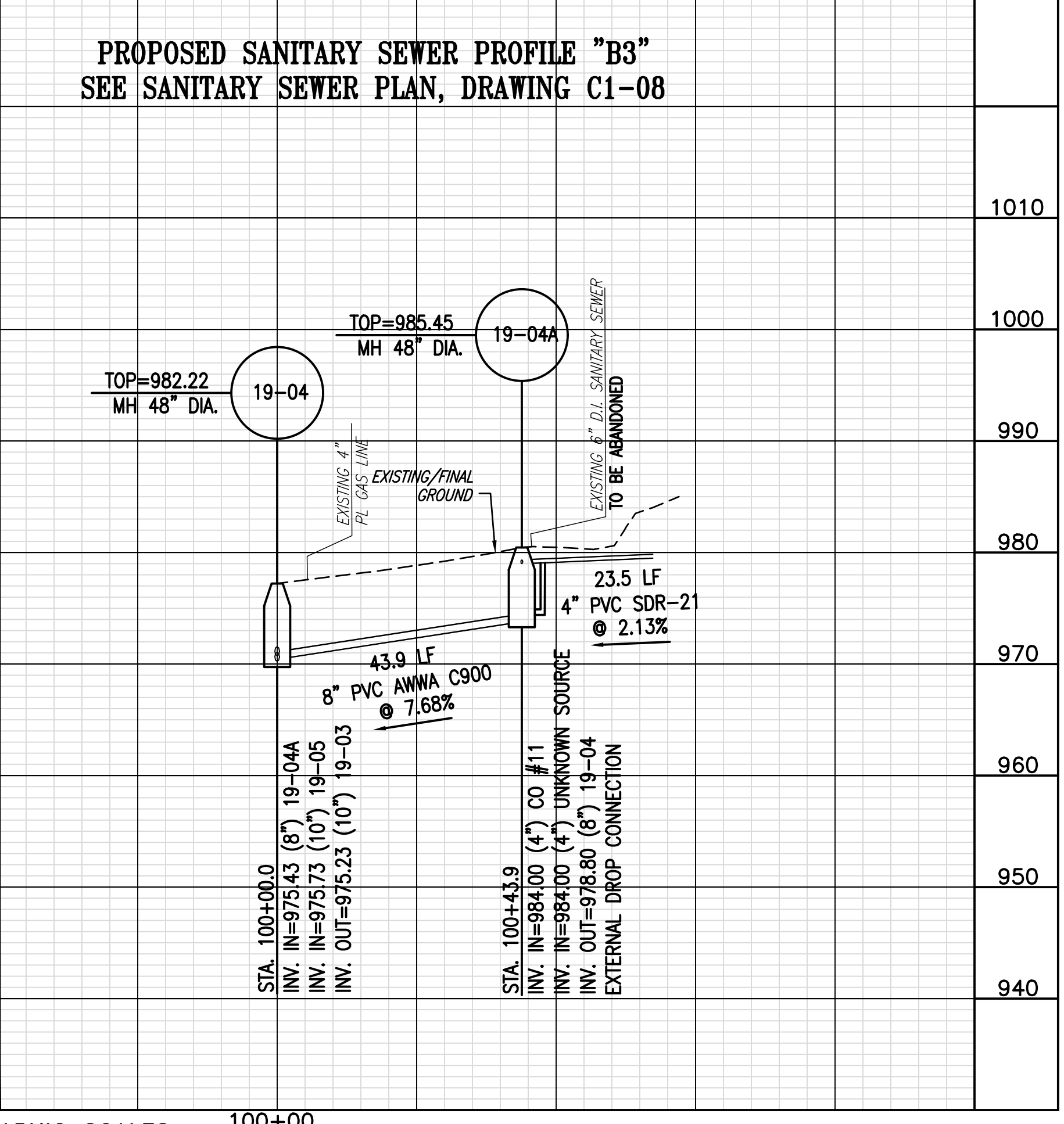
PROPOSED SANITARY SEWER PROFILE "B1"
SEE SANITARY SEWER PLAN, DRAWING C1-07



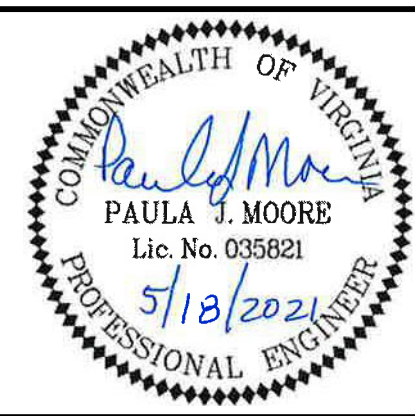
PROPOSED SANITARY SEWER PROFILE "B4"
SEE SANITARY SEWER PLAN, DRAWING C1-09



PROPOSED SANITARY SEWER PROFILE "B3"
SEE SANITARY SEWER PLAN, DRAWING C1-08



REV	DATE	DESCRIPTION



CITY OF LEXINGTON PUBLIC WORKS
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LEXINGTON, VIRGINIA 24450

DES: PJM	SCALE: AS SHOWN
DRAWN: RMV, DJA, JES	HORIZ: 1"=20'
CHECK: GWF	VERT: 1"=10'
DATE: 05/18/21	

DIAMOND HILL AREA
SEWER REHABILITATION

SANITARY SEWER
REPLACEMENT PROFILE "B1, B3, & B4"

DRAWING
C1-19

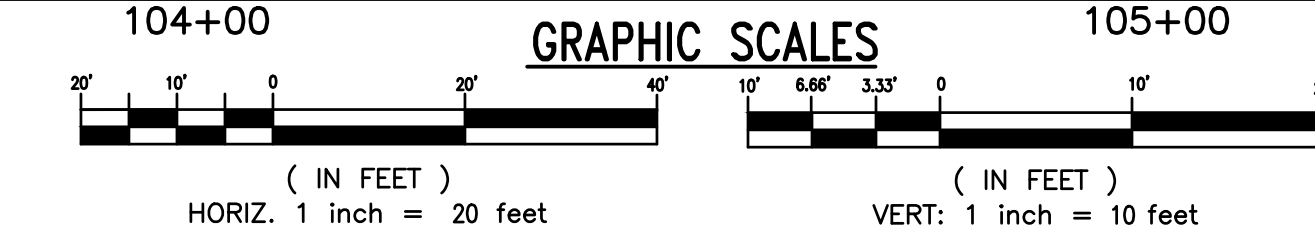
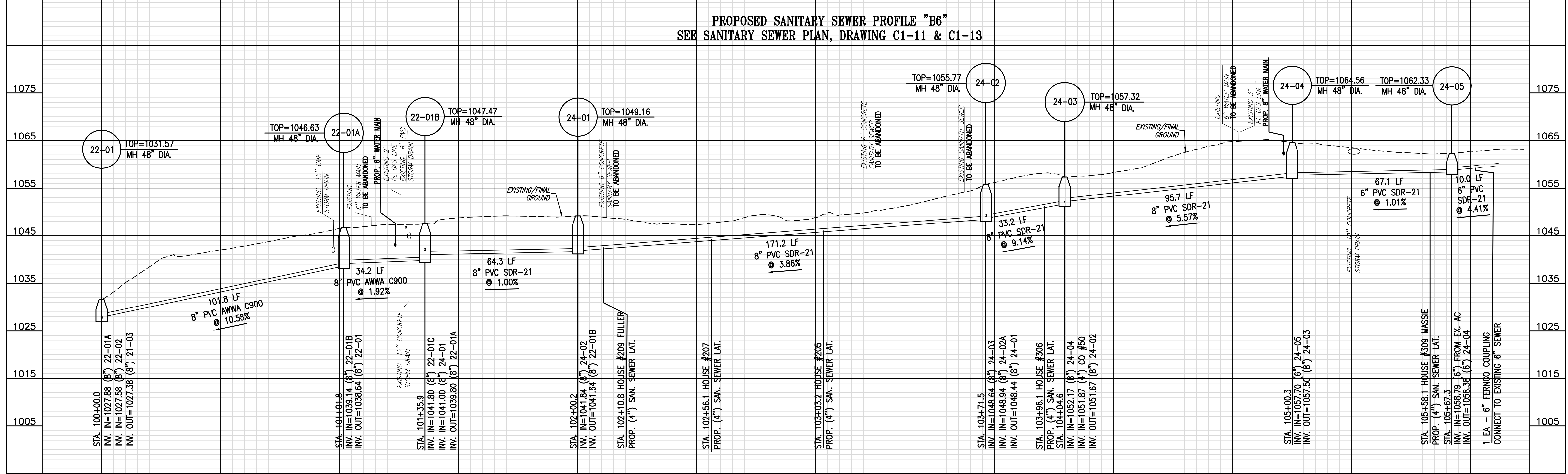
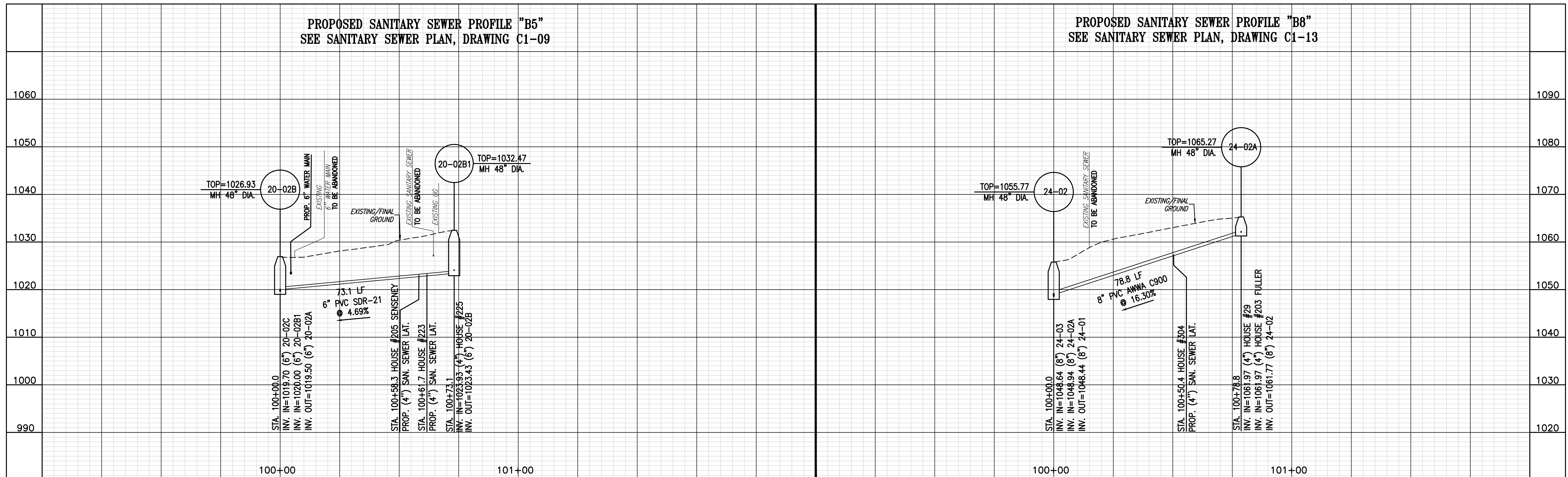
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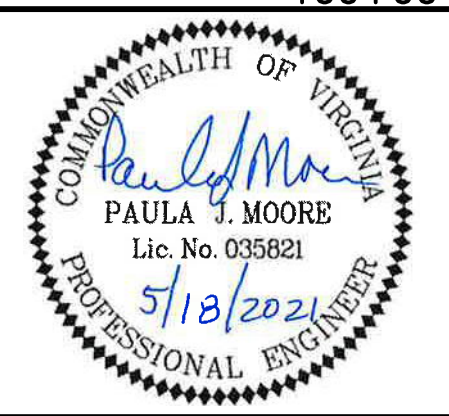
PROPOSED SANITARY SEWER PROFILE "B5"
SEE SANITARY SEWER PLAN, DRAWING C1-09

PROPOSED SANITARY SEWER PROFILE "B8"
SEE SANITARY SEWER PLAN, DRAWING C1-13

PROPOSED SANITARY SEWER PROFILE "B6"
SEE SANITARY SEWER PLAN, DRAWING C1-11 & C1-13



REV	DATE	DESCRIPTION



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES: PJM
DRAWN: RMV, DJA, JES
CHECK: GWF
DATE: 05/18/21

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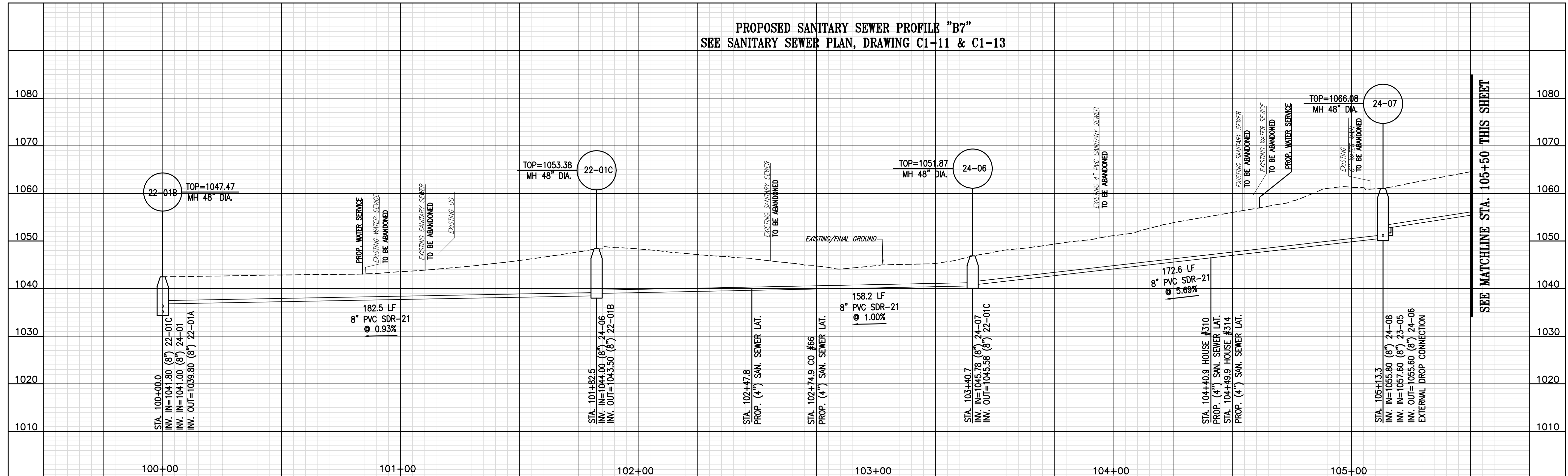
DIAMOND HILL AREA
SEWER REHABILITATION

SANITARY SEWER
REPLACEMENT PROFILE "B5, B6, & B8"

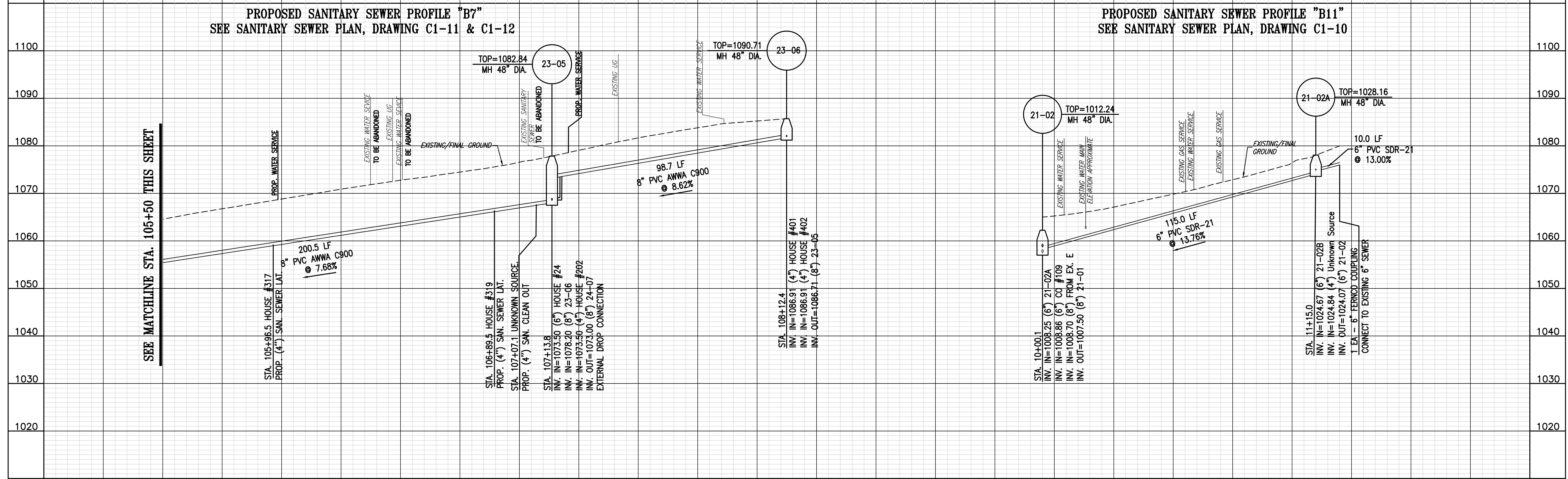
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C1-20

SHEET
31

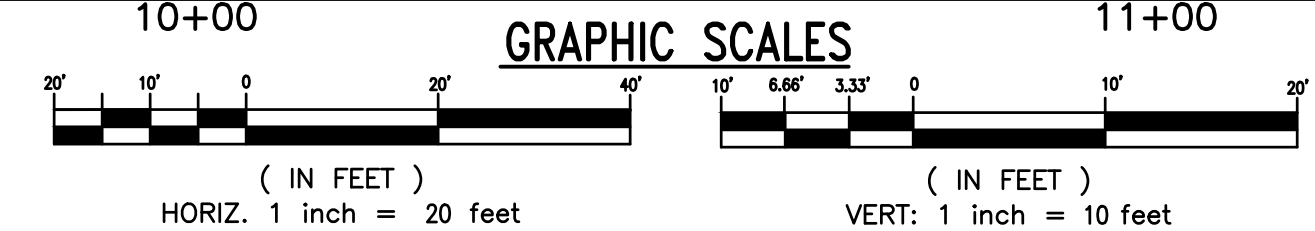
PROPOSED SANITARY SEWER PROFILE "B7"
SEE SANITARY SEWER PLAN, DRAWING C1-11 & C1-13



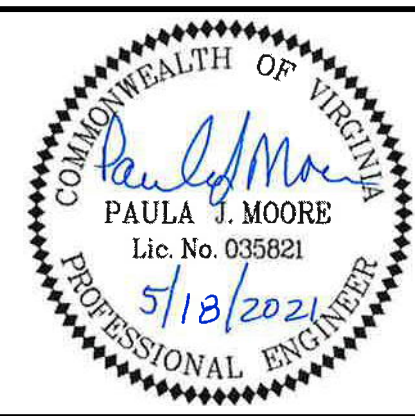
PROPOSED SANITARY SEWER PROFILE "B7"
SEE SANITARY SEWER PLAN, DRAWING C1-11 & C1-12



PROPOSED SANITARY SEWER PROFILE "B11"
SEE SANITARY SEWER PLAN, DRAWING C1-10



REV	DATE	DESCRIPTION



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

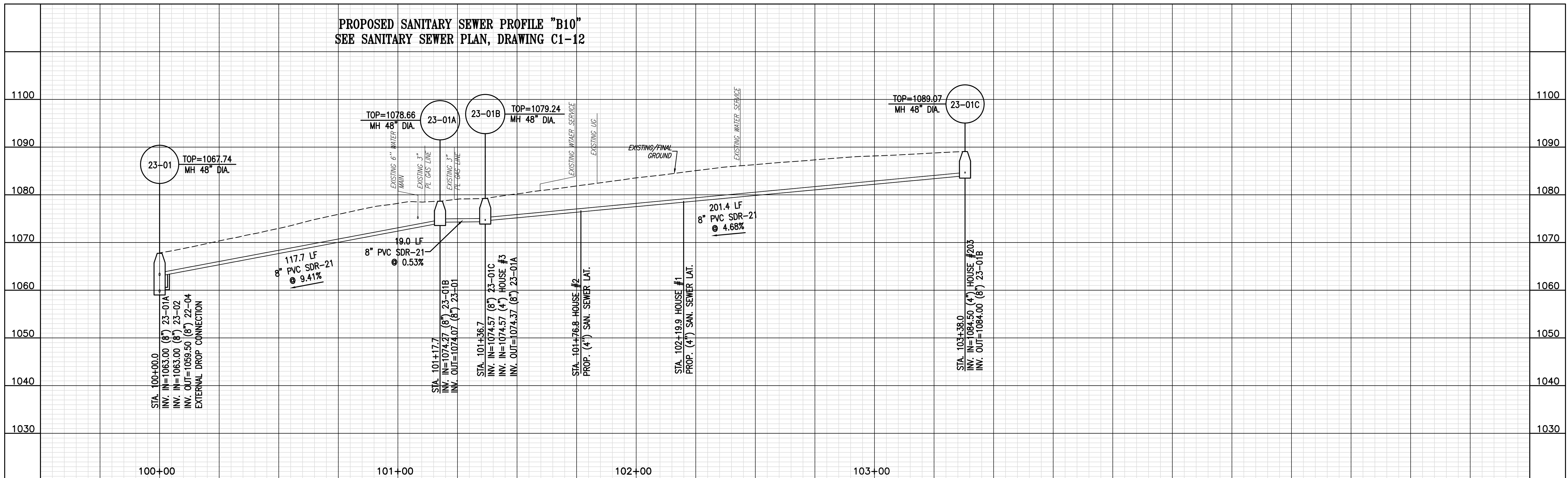
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DATE: 05/18/21	

DIAMOND HILL AREA
SEWER REHABILITATION

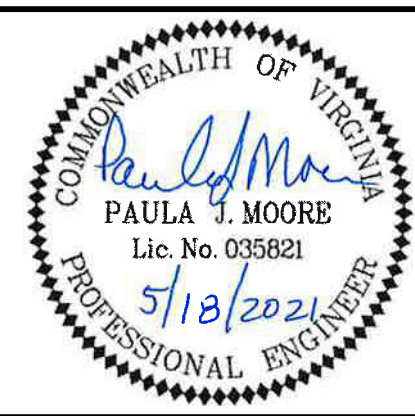
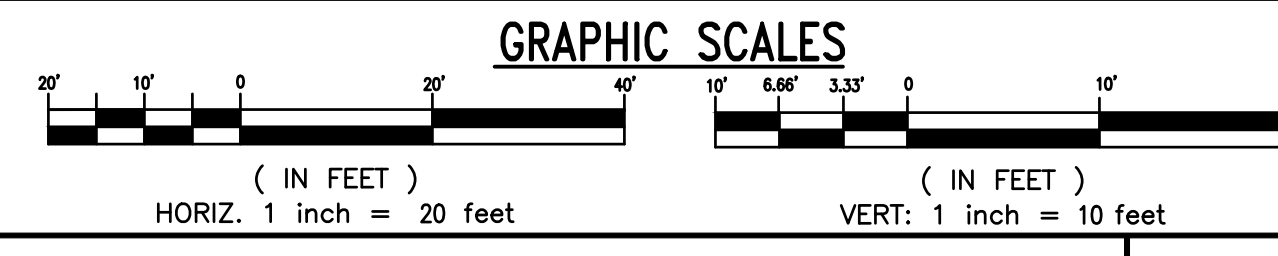
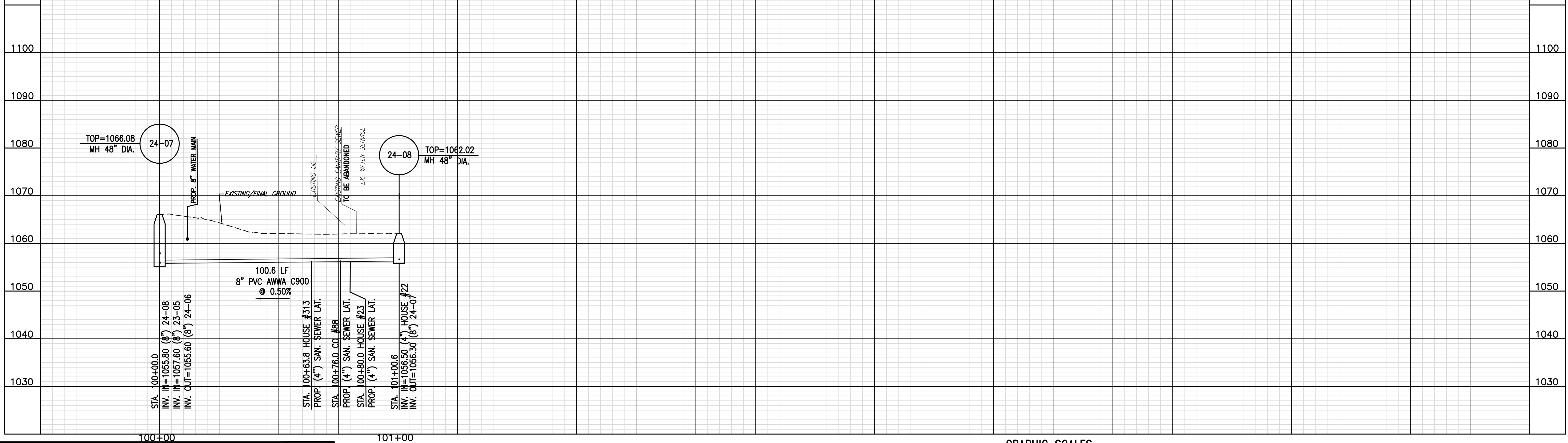
SANITARY SEWER
REPLACEMENT PROFILE "B7 & B11"

DRAWING	SHEET
C1-21	32

PROPOSED SANITARY SEWER PROFILE "B10"
SEE SANITARY SEWER PLAN, DRAWING C1-12



PROPOSED SANITARY SEWER PROFILE "B9"
SEE SANITARY SEWER PLAN, DRAWING C1-13



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES:	PJM	SCALE:	AS SHOWN
DRAWN:	RMV, DJA, JES	HORIZ:	1"=20'
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DATE:	05/18/21		

DIAMOND HILL AREA
SEWER REHABILITATION

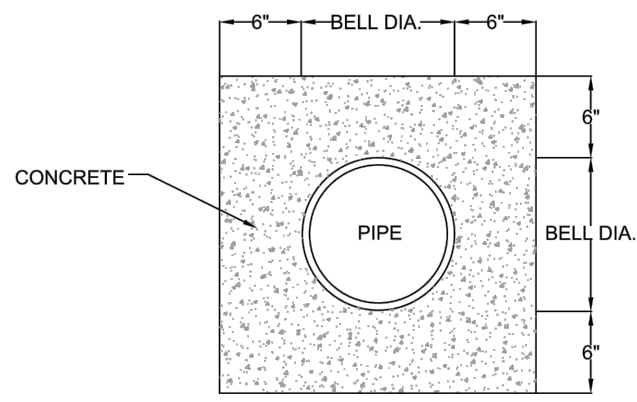
SANITARY SEWER
REPLACEMENT PROFILE "B9 & B10"

REV	DATE	DESCRIPTION

DRAWING	SHEET
C1-22	33

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- NOTES:**
- DUCTILE IRON WATER AND SEWER MAINS CROSSING STREAMS SHALL BE CONCRETE ENCASED.
 - CONCRETE SHALL BE READY MIX VDOT CLASS A3, 3,000 PSI, AT 28 DAYS.



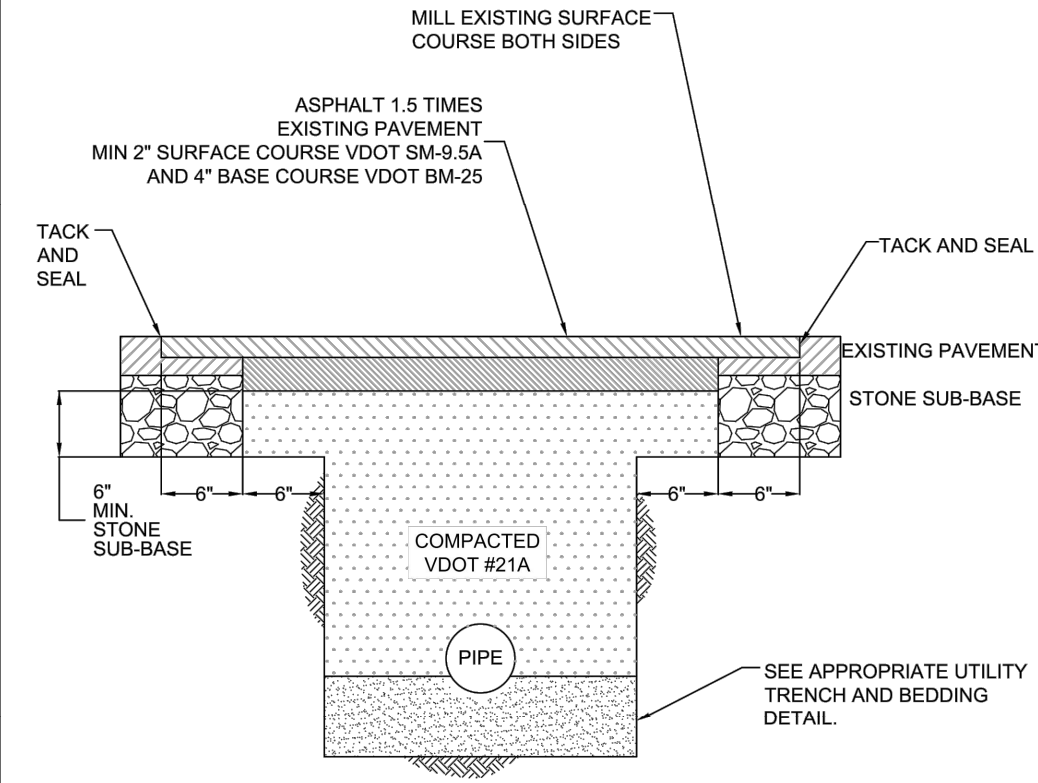
SCALE: N.T.S.

PLATE TITLE: **CONCRETE ENCASED PIPE**

PLATE #: **G-03** DATE: 1/04/19

Department of Public Works
890 Shop Road, Lexington, VA 24450
(540) 463-3154 Fax: (540) 464-4198

- NOTES:**
- PAVEMENT CUTS SHALL BE STRAIGHT AND VERTICAL.
 - REMOVE TEMPORARY PATCH IF PRESENT. EXCAVATE COMPACTED BACKFILL AS REQUIRED TO INSTALL NEW BITUMINOUS ASPHALT. RE-COMPACT SURFACE OF BACKFILL PRIOR TO INSTALLATION OF PATCH.
 - IMPACTED PAVEMENT MARKINGS SHALL BE REPLACED IN THEIR ENTIRETY.



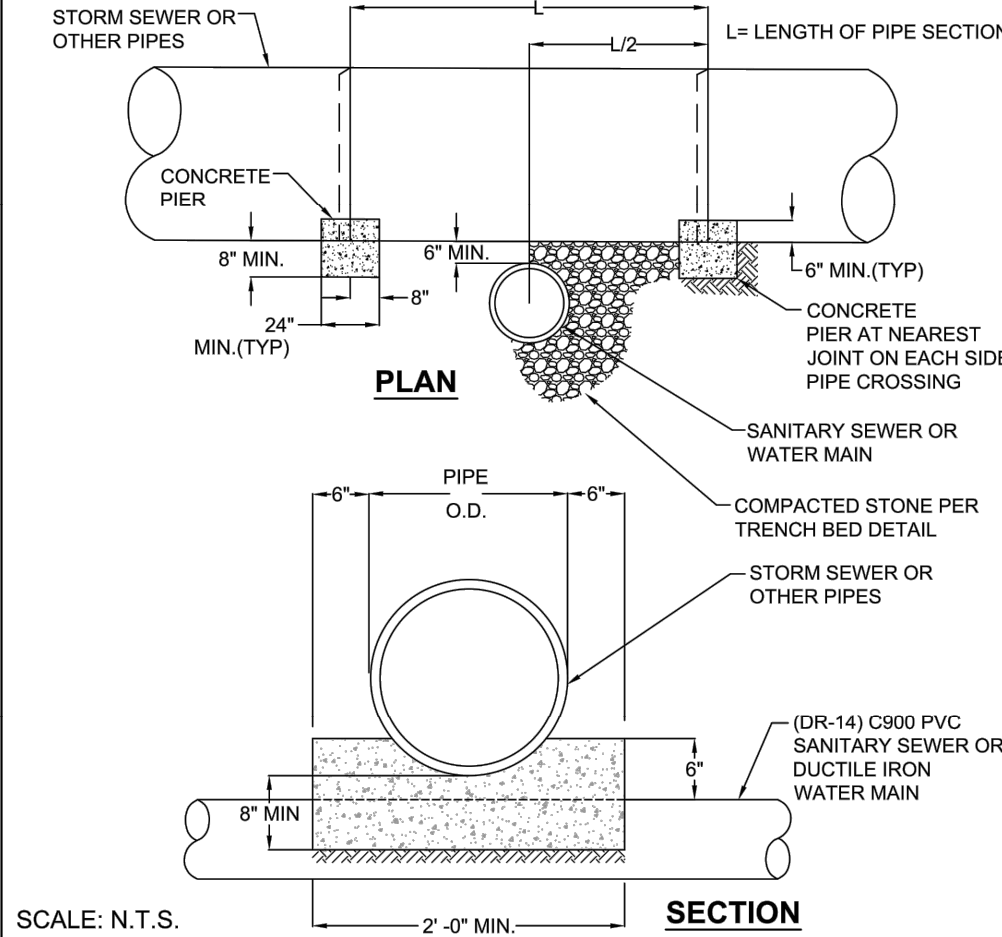
SCALE: N.T.S.

PLATE TITLE: **PERMANENT PAVEMENT REPAIR FOR UTILITY INSTALLATIONS**

PLATE #: **G-01** DATE: 1/04/19

Lexington Virginia
Department of Public Works
890 Shop Road, Lexington, VA 24450
(540) 463-3154 Fax: (540) 464-4198

- NOTES:**
- PIER REQUIRED WHEN STORM SEWER OR OTHER PIPES CROSS OVER WATER MAIN OR SANITARY SEWER PIPE WITH A VERTICAL CLEARANCE OF LESS THAN 18".
 - CONCRETE PIER SHALL BE BUILT ON UNDISTURBED GARTH.
 - CONCRETE SHALL BE READY MIX VDOT CLASS A3, 3,000 PSI, AT 28 DAYS.



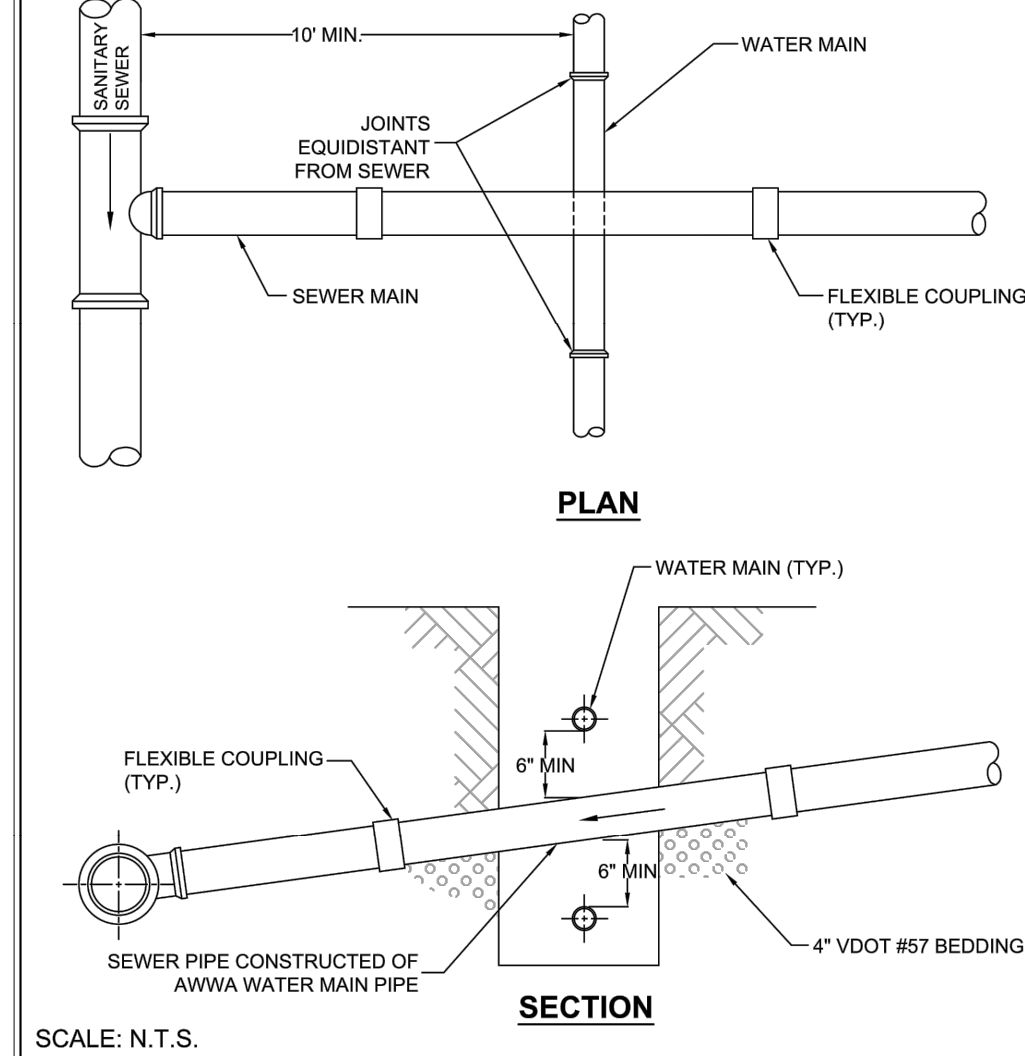
SCALE: N.T.S.

PLATE TITLE: **CONCRETE PIER**

PLATE #: **G-04** DATE: 1/04/19

Department of Public Works
890 Shop Road, Lexington, VA 24450
(540) 463-3154 Fax: (540) 464-4198

- NOTES:**
- DETAIL APPLIES WHEN WATER MAIN AND SEWER MAIN HAVE LESS THAN 18" VERTICAL SEPARATION, REGARDLESS OF ORDER.
 - PROVIDE STRUCTURAL SUPPORT FOR THE SANITARY SEWER WHEN ABOVE WATER MAIN.
 - CENTER ONE (1) FULL LENGTH SECTION OF PIPE SO THAT THE SEWER JOINTS ARE EQUIDISTANT FROM THE WATER MAIN JOINTS.



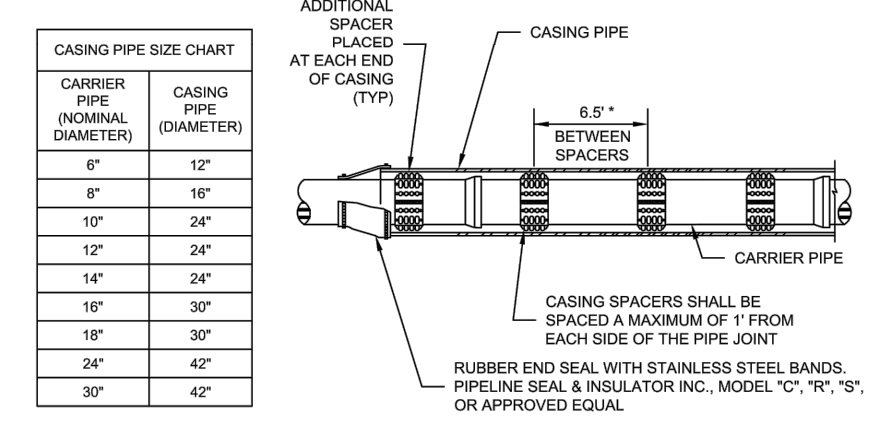
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PLATE TITLE: **WATER AND SEWER SEPARATION**

PLATE #: **G-05** DATE: 1/04/19

Department of Public Works
890 Shop Road, Lexington, VA 24450
(540) 463-3154 Fax: (540) 464-4198

- NOTES:**
- A 1" DRAIN WILL BE REQUIRED ON THE LOWER END OF THE CASING PIPE.
 - SPACERS SHALL BE RADIUS SPACERS OR EQUIVALENT. STAINLESS STEEL SPACERS MAY BE USED IF IN COMPLIANCE WITH THE FOLLOWING CRITERIA:
 - INTERIOR SURFACES OF THE CIRCULAR STAINLESS STEEL BAND SHALL BE LINED WITH EPDM OR NEOPRENE MATERIAL.
 - ABRASION RESISTANT RUNNERS/ROCKS SHALL BE POLYMER MATERIAL WITH EACH END BEVELLED TO FACILITATE EASE OF INSTALLATION INTO CASING PIPE.
 - SPACERS SHALL BE SPACED 8" ON SEWER PIPE.
 - CASING PIPE TO BE STEEL IN ACCORDANCE WITH VDOT STANDARD DETAIL EP-1.
 - DIAMETER OF CASING PIPE SHALL BE AS SHOWN IN THE TABLE BELOW.



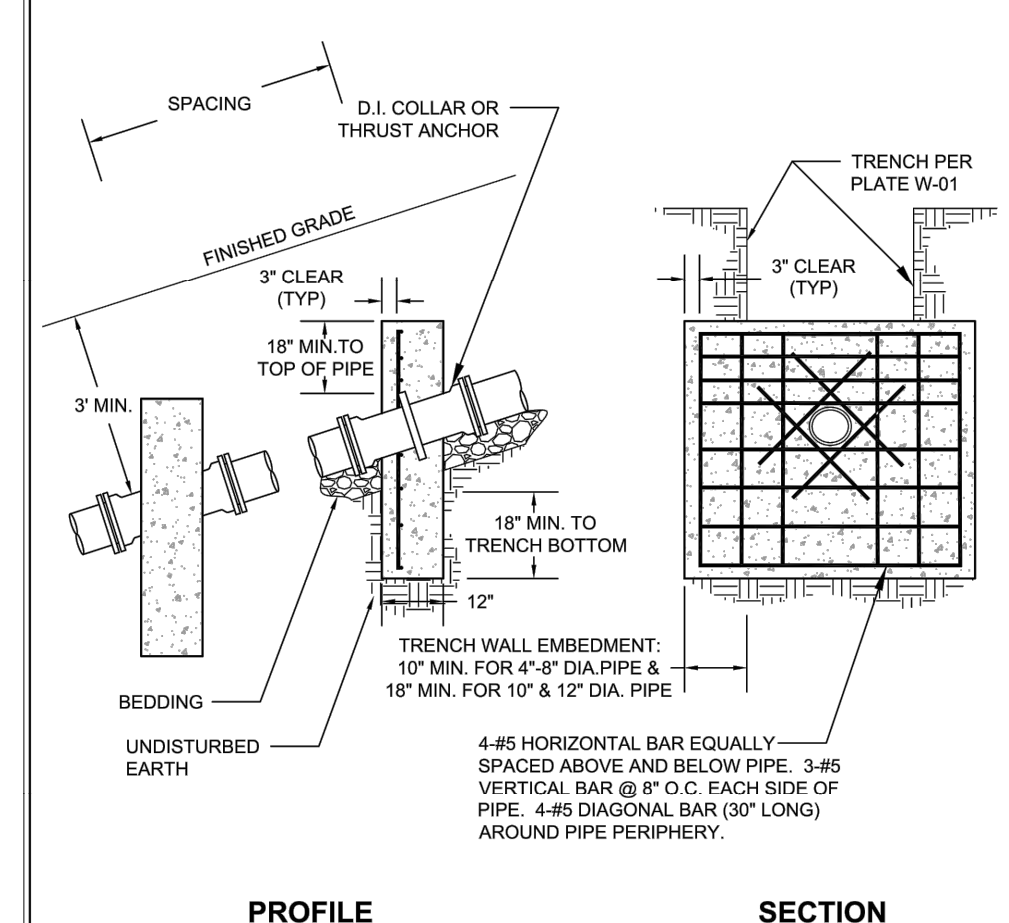
SCALE: N.T.S.

PLATE TITLE: **CASING PIPE AND SPACERS DETAIL**

PLATE #: DATE: 4/22/21

WRQ
Whitman, Reardon & Associates, LLP
890 Shop Road, Lexington, Virginia 24450

- NOTES:**
- ANCHOR BLOCK CONCRETE SHALL BE READY MIX 3,000 PSI. REBAR SHALL MEET THE MINIMUM REQUIREMENTS OF ASTM A615/A616M, GRADE 60, DEFORMED.
 - ANCHOR SPACING SHALL BE LESS THAN OR EQUAL TO 36" FOR 20 - 35% SLOPES, 24" FOR 36 - 50% SLOPES, AND 18" FOR SLOPES EXCEEDING 50%. MECHANICAL JOINT RESTRAINED PIPE SHALL BE REQUIRED FOR THE ENTIRE LENGTH OF ALL SLOPES EXCEEDING 20%.
 - ALL BEARING SURFACES SHALL BE POURED AGAINST UNDISTURBED SUBGRADE.



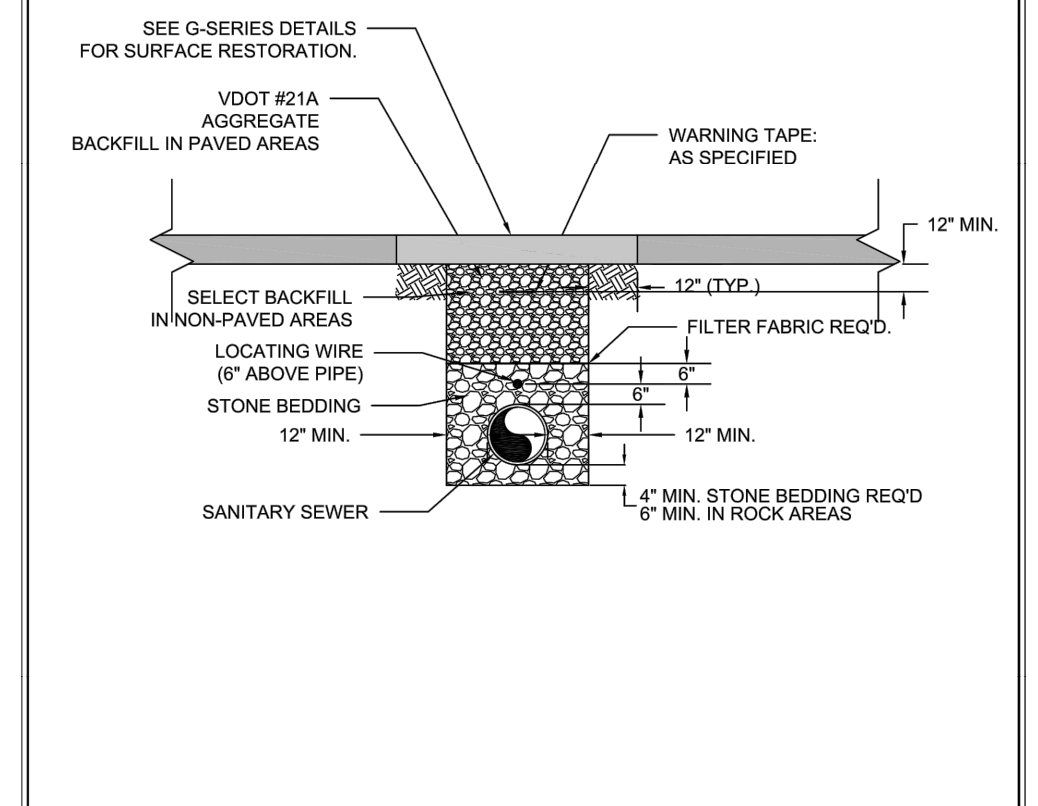
SCALE: N.T.S.

PLATE TITLE: **SLOPE ANCHORS**

PLATE #: **G-07** DATE: 1/04/19

Department of Public Works
890 Shop Road, Lexington, VA 24450
(540) 463-3154 Fax: (540) 464-4198

- NOTES:**
- STONE BEDDING SHALL BE VDOT #57 AGGREGATE.
 - BEDDING AND BACKFILL SHALL BE PLACED IN 6-INCH LIFTS AND EACH LIFT COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698. COMPACTION SHALL BE TESTED EVERY 400 LF ALONG THE LENGTH OF THE TRENCH.
 - CONTINUOUS AND UNIFORM SUPPORT SHALL BE PROVIDED FOR THE SANITARY SEWER. BELL HOLES SHALL BE PREPARED FOR EACH JOINT TO ALLOW FOR JOINT ASSEMBLY AND PIPE SUPPORT.
 - SELECT BACKFILL SHALL BE FREE FROM MUD, REFUSE, CONSTRUCTION DEBRIS, ORGANIC MATERIAL, BOLLERS, FROZEN OR OTHERWISE UNSUITABLE MATERIAL. SELECT BACKFILL MAY CONTAIN STONES UP TO 5-INCHES IN THEIR GREATEST DIMENSION. EXCAVATED MATERIAL MAY BE USED AS SELECT BACKFILL PROVIDED IT MEETS THESE CONDITIONS.



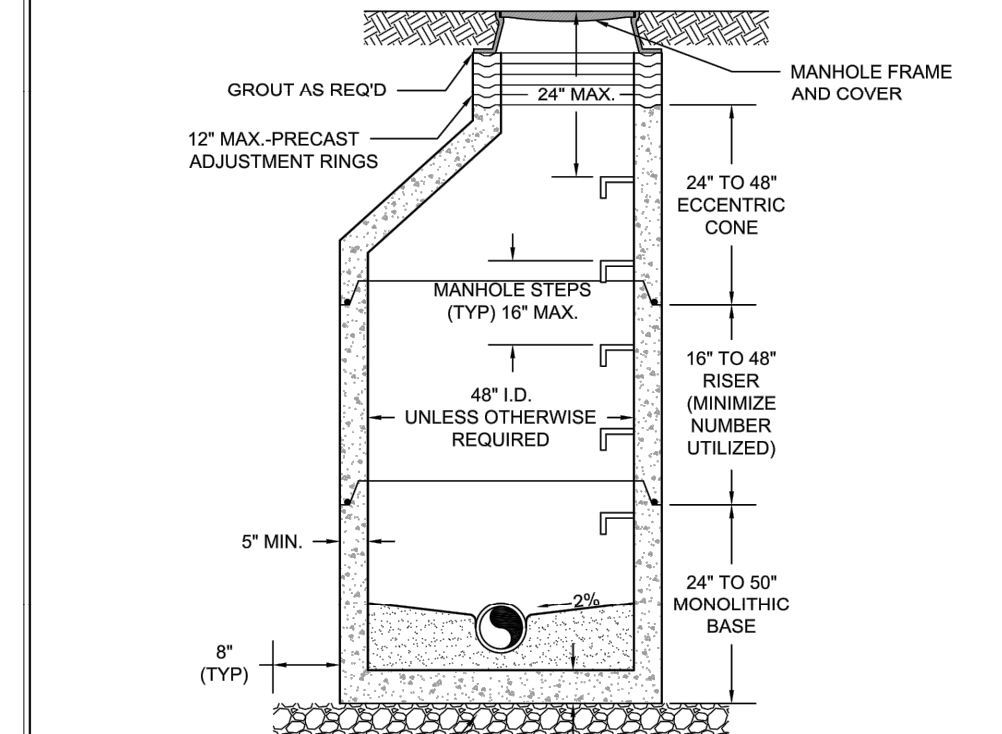
SCALE: N.T.S.

PLATE TITLE: **GRAVITY SEWER TRENCH BEDDING AND BACKFILL**

PLATE #: **S-01** DATE: 1/04/19

Department of Public Works
890 Shop Road, Lexington, VA 24450
(540) 463-3154 Fax: (540) 464-4198

- NOTES:**
- PRECAST CLASS A4 SECTIONS SHALL BE MANUFACTURED IN CONFORMANCE WITH ASTM C478 USING CLASS A4 4000 PSI READY MIX CONCRETE AND REINFORCING FABRIC. PROVIDE A MAXIMUM OF TWO LIFT HOLES PER SECTION. PLUG LIFT HOLES WATERTIGHT WITH RUBBER PLUGS AND GROUT AFTER INSTALLATION.
 - FOR PIPES LARGER THAN 18" IN DIAMETER, THE MINIMUM INSIDE DIAMETER OF THE MANHOLE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS BASED ON PIPE SIZE AND ANGLE BETWEEN INLET AND OUTLET PIPING.
 - SPECIAL LOAD CONSIDERATIONS SHALL BE BROUGHT TO THE CITY'S ATTENTION. DESIGN AND REINFORCING SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS.
 - MANHOLE JOINTS SHALL HAVE BUTYL MASTIC JOINT SEALER OR GASKETS MEETING ASTM C443 AND ASTM C1244 TESTING STANDARD.
 - ALL SEWER CONNECTIONS SHALL BE MADE WITH FLEXIBLE BOOTS WITH STAINLESS STEEL BANDS.
 - THE ANNUAL SPACE BETWEEN THE MANHOLE AND BOOT SHALL BE GROUTED AT ALL PENETRATIONS (INSIDE AND OUT).



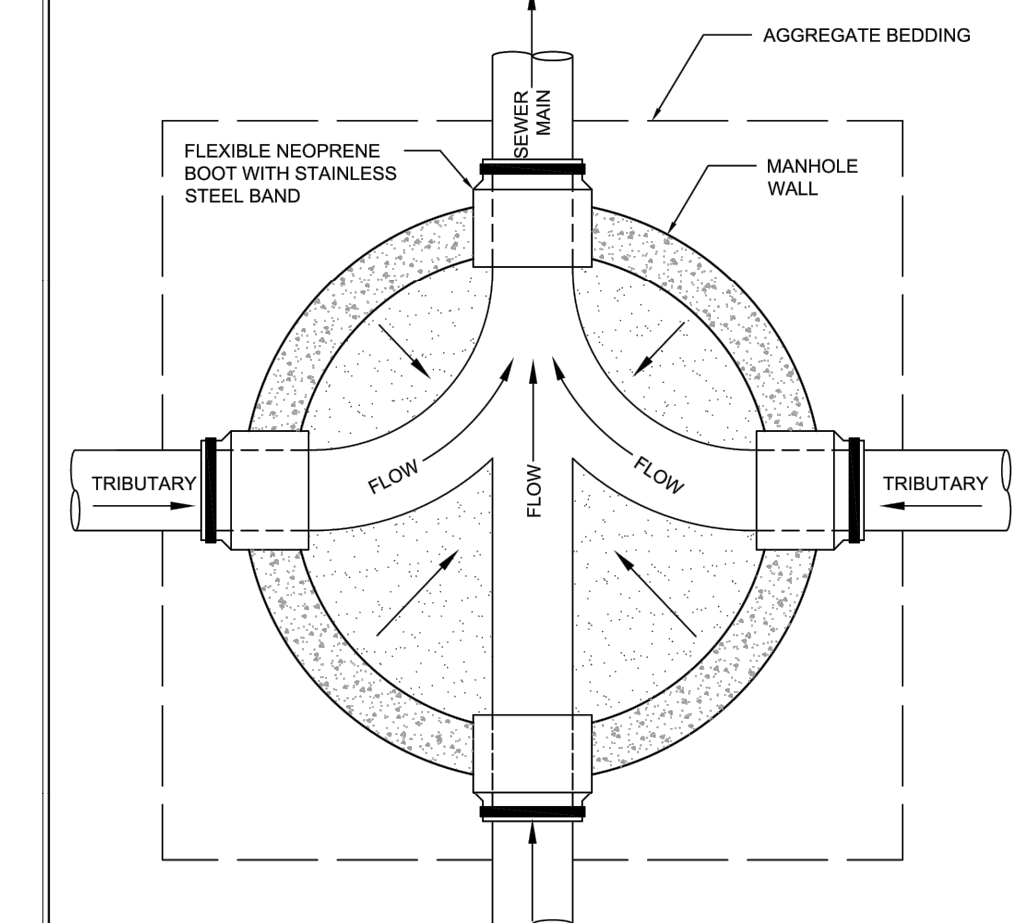
SCALE: N.T.S.

PLATE TITLE: **STANDARD PRECAST MANHOLE**

PLATE #: **S-02** DATE: 1/04/19

Department of Public Works
890 Shop Road, Lexington, VA 24450
(540) 463-3154 Fax: (540) 464-4198

- NOTES:**
- SEWER MAIN AND TRIBUTARY CHANNELS SHALL BE FORMED OF 4000 PSI READY MIX CONCRETE TO A DEPTH OF 3/4" OF THE PIPE DIAMETER. CHANNELS SHALL CONVEY MANHOLE FLOWS WITH A SMOOTH AND EVEN TRANSITION FROM INVERT IN TO INVERT OUT. TRIBUTARY CHANNELS SHALL BE FINISHED WITH A CONTINUOUS CURVE TO THE MAIN CHANNEL.
 - BENCHES SHALL BE FORMED FROM 4000 PSI READY MIX CONCRETE AND SHALL SLOPE 2% FROM MANHOLE WALL TO CHANNEL BANK.



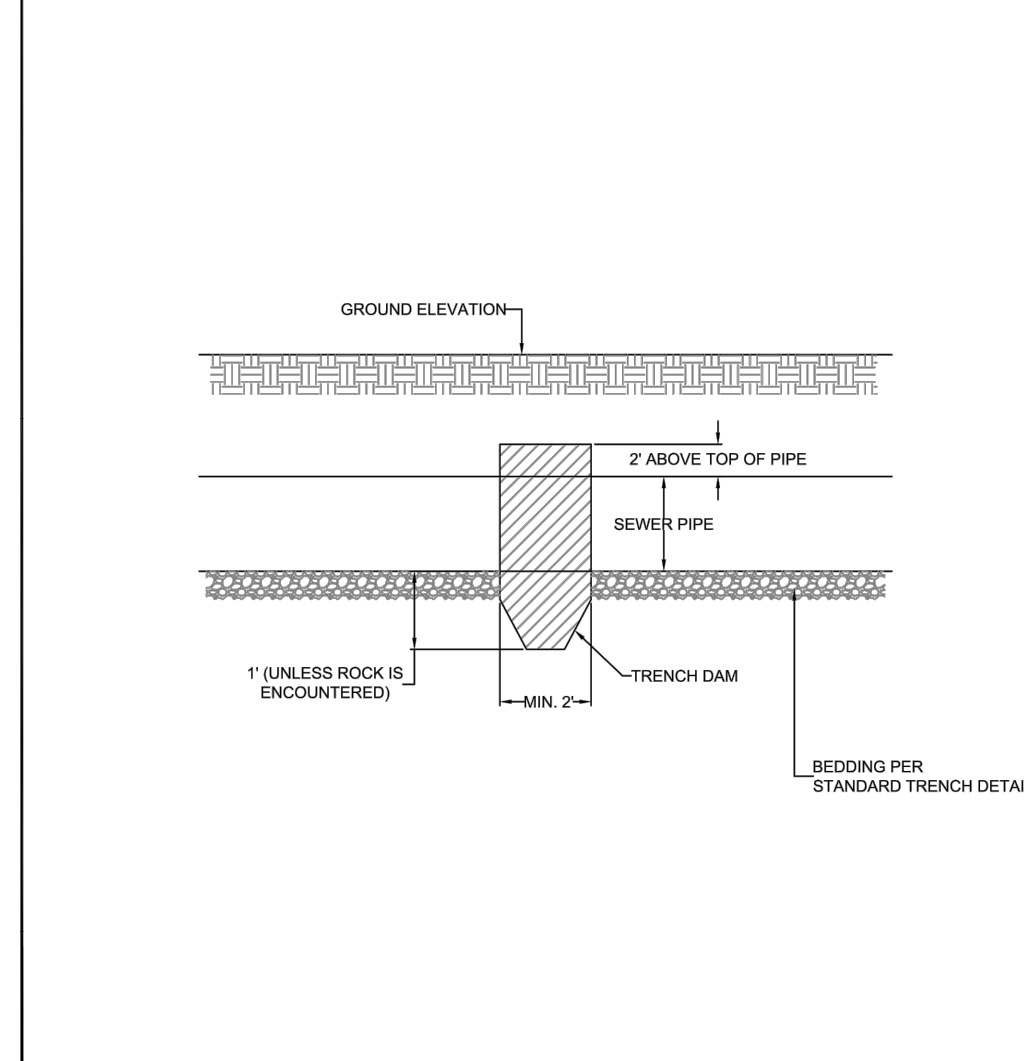
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PLATE TITLE: **MANHOLE INVERT SHAPING (1 OF 2)**

PLATE #: **S-03** DATE: 1/04/19

Department of Public Works
890 Shop Road, Lexington, VA 24450
(540) 463-3154 Fax: (540) 464-4198

- NOTES:**
- TRENCH DAM SHALL EXTEND FOR THE FULL WIDTH OF THE EXCAVATION.
 - TRENCH DAM MATERIAL SHALL BE IMPERVIOUS AND SHALL CONSIST OF COMPACTED CLAY, FLOWABLE FILL, CONCRETE, OR A PRE-ENGINEERED PRODUCT DESIGNED TO PREVENT GROUNDWATER MOVEMENT THROUGH TRENCH BEDDING AND BACKFILL. MATERIALS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

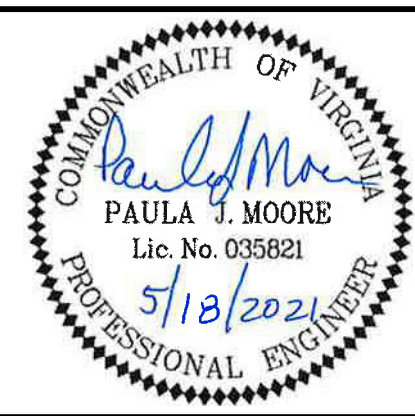


SCALE: N.T.S.

PLATE TITLE: **TRENCH DAM**

PLATE #: DATE: 4/22/21

WRQ
Whitman, Reardon & Associates, LLP
890 Shop Road, Lexington, Virginia 24450



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES: PJM
DRAWN: RMV, DJA, JES
CHECK: GWF
DATE: 05/18/21

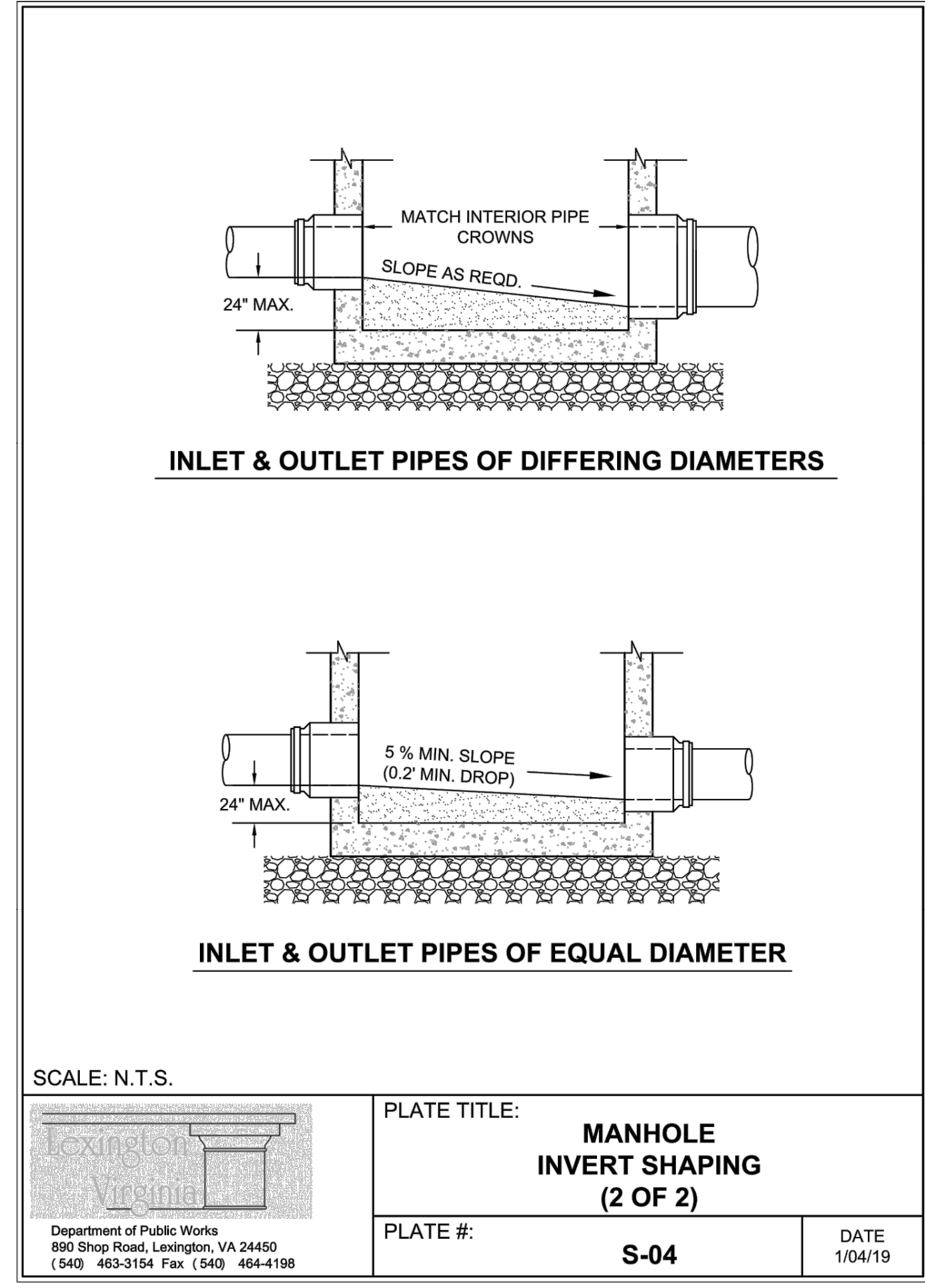
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VERT: N/A

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

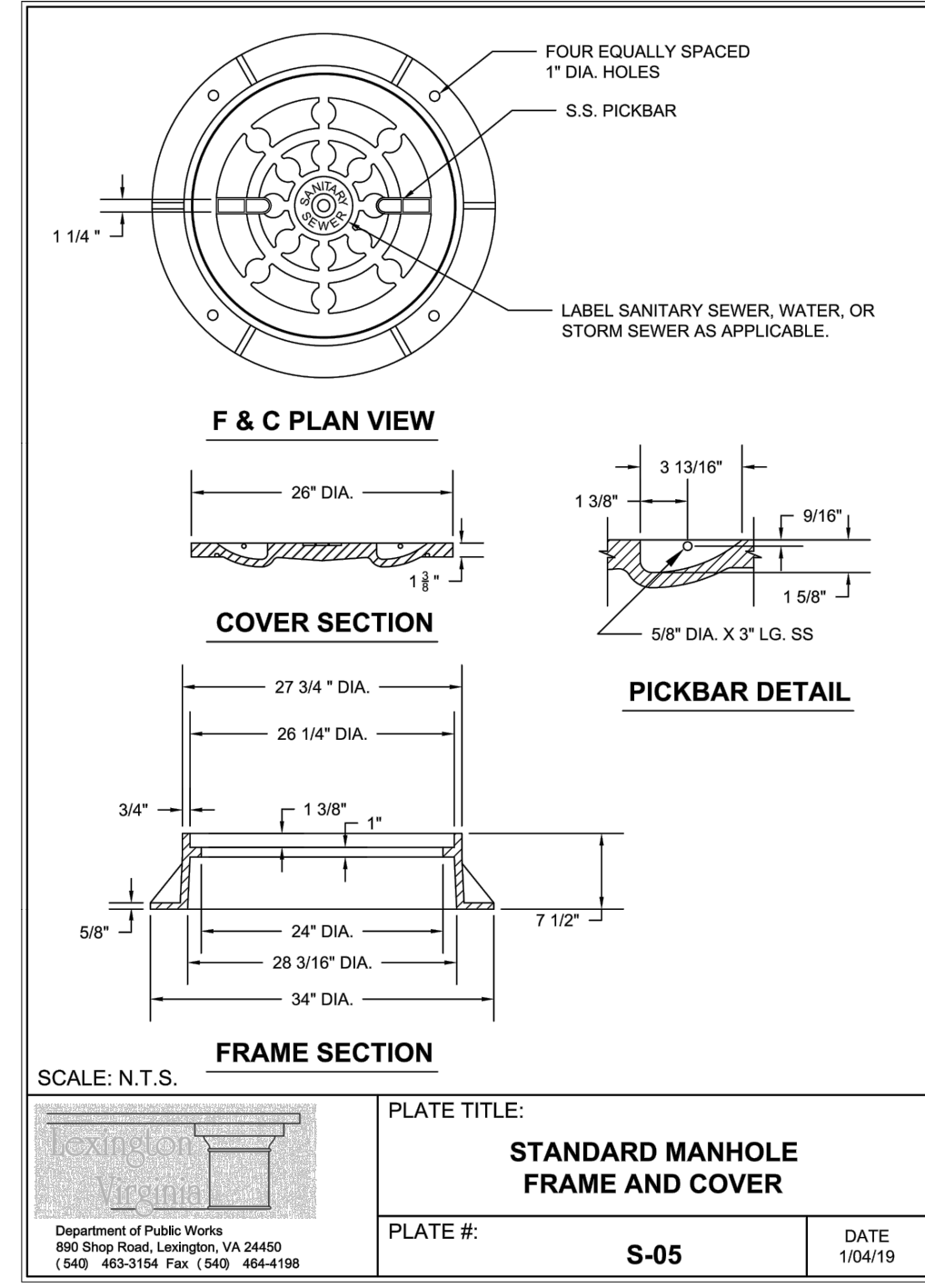
STANDARD DETAILS

REV	DATE	DESCRIPTION

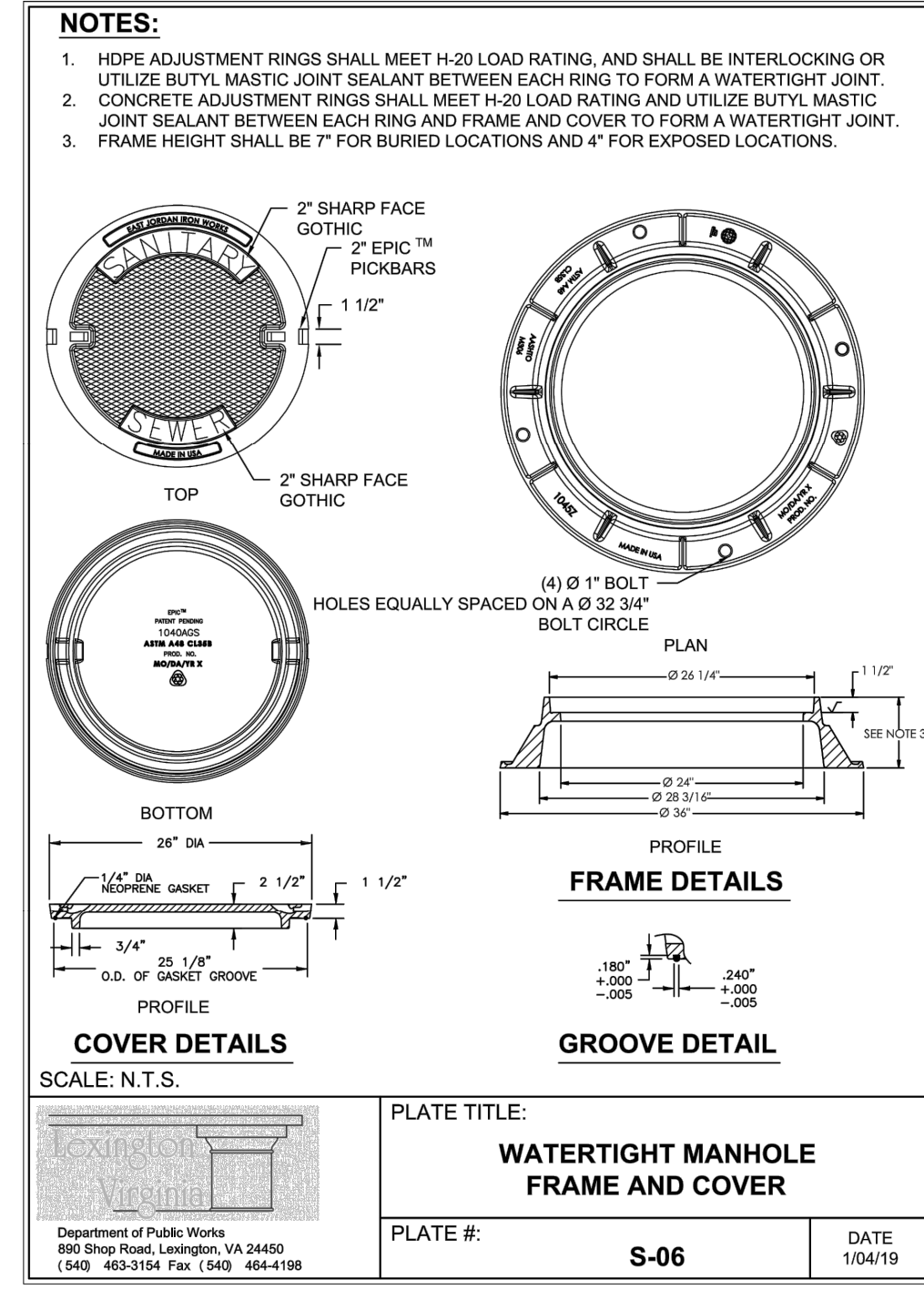
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SHEET: 34



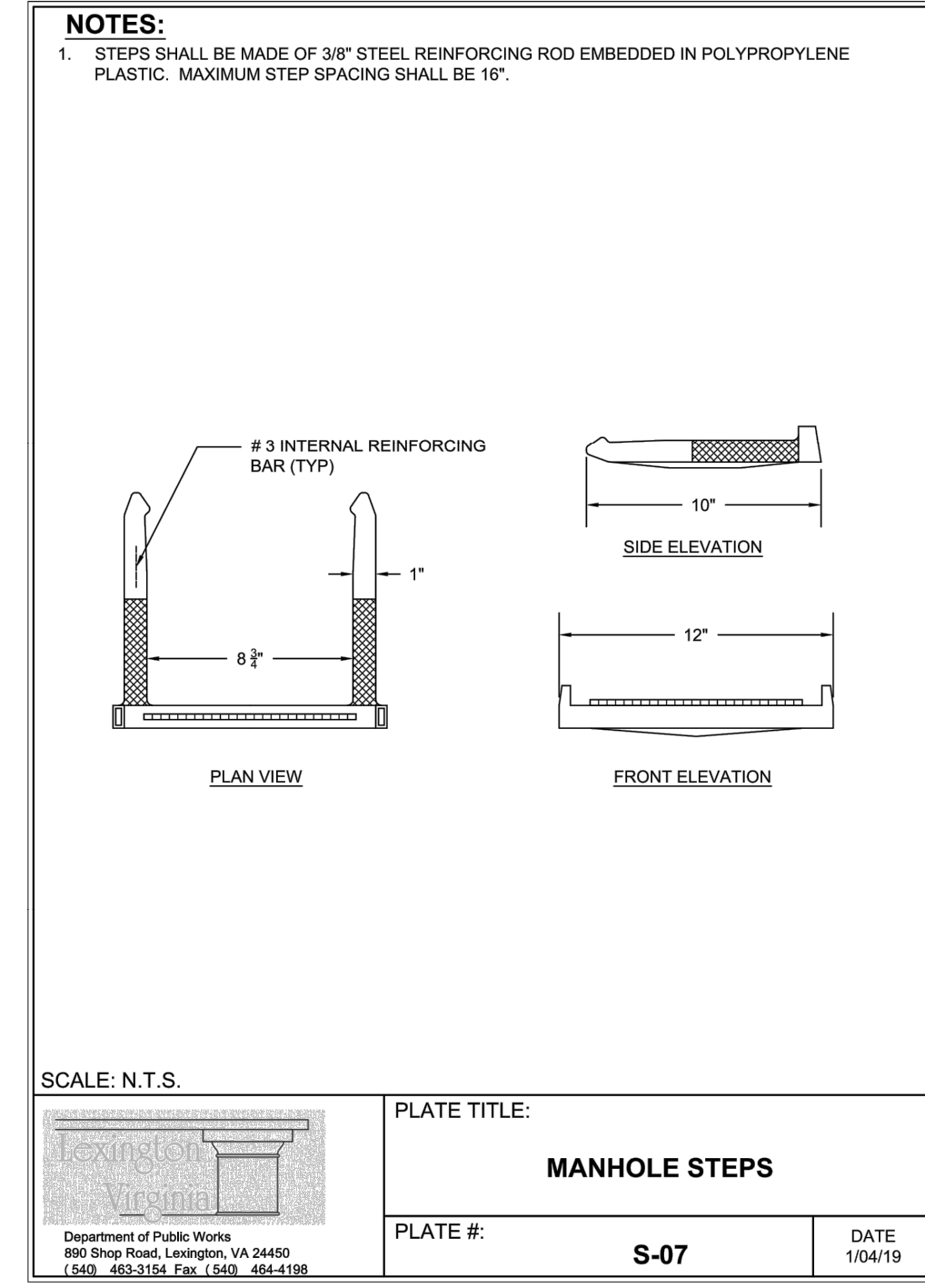
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 PLATE TITLE: **MANHOLE INVERT SHAPING (2 OF 2)**
 PLATE #: **S-04** DATE: 1/04/19



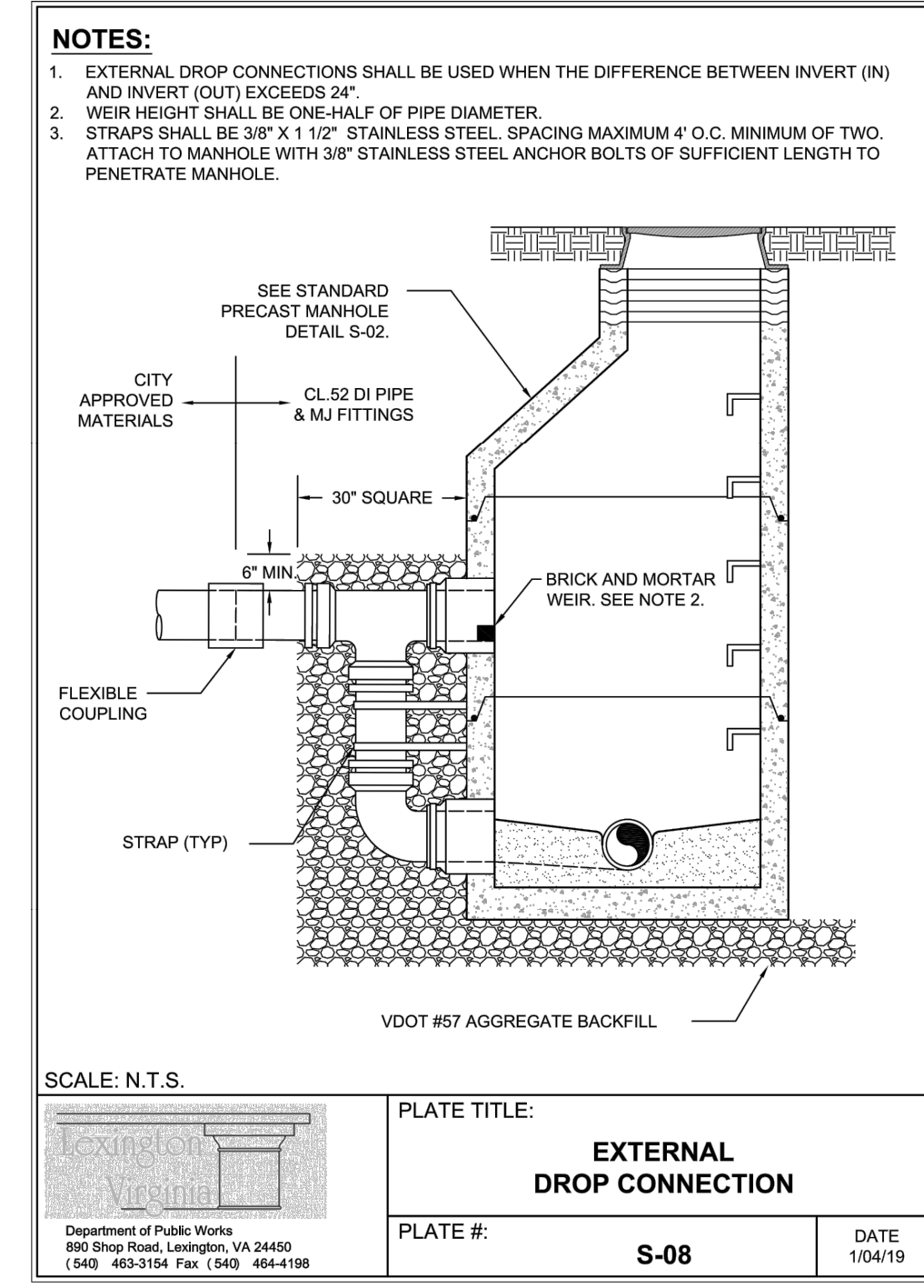
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 PLATE TITLE: **STANDARD MANHOLE FRAME AND COVER**
 PLATE #: **S-05** DATE: 1/04/19



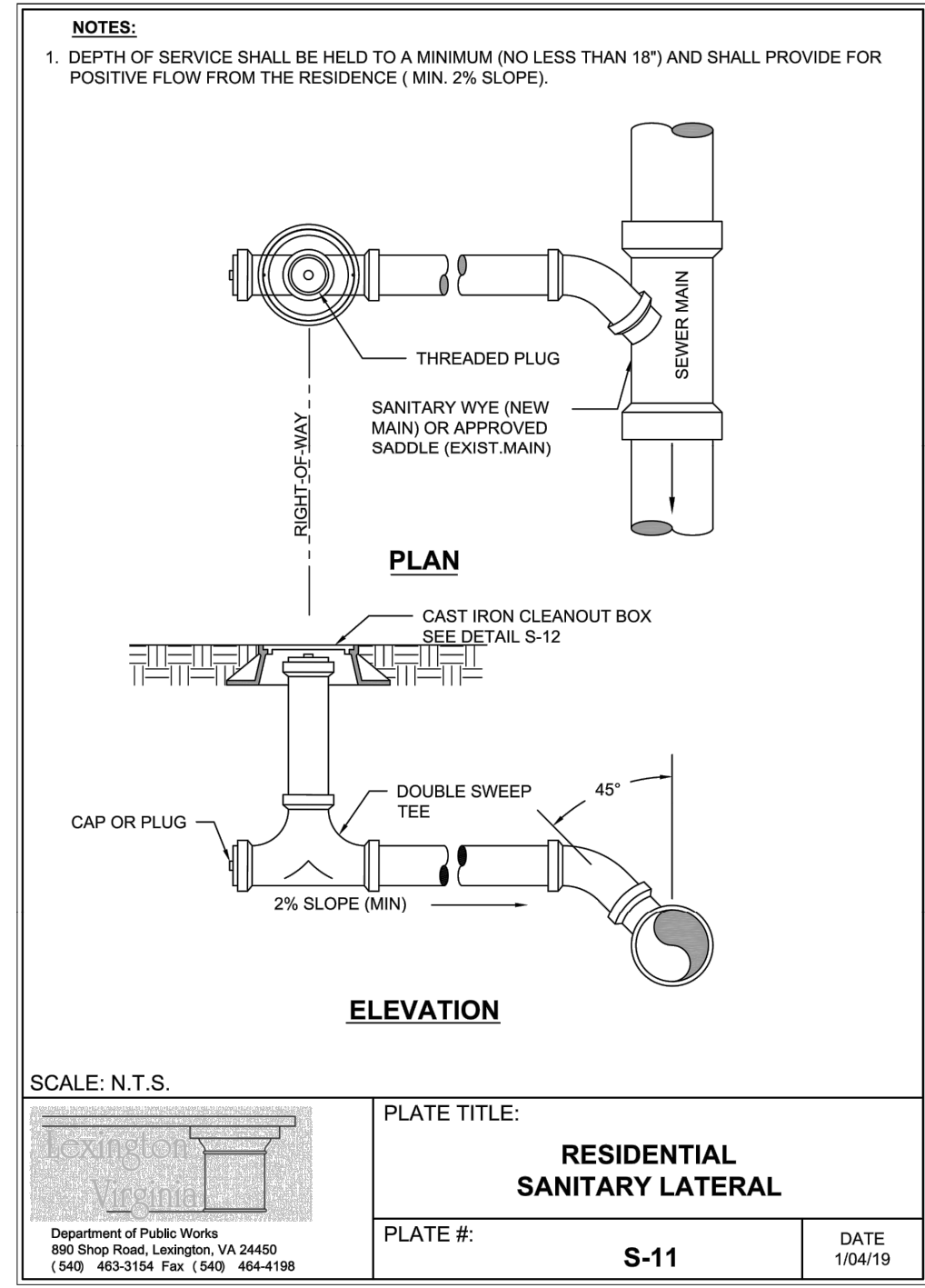
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 PLATE TITLE: **WATERTIGHT MANHOLE FRAME AND COVER**
 PLATE #: **S-06** DATE: 1/04/19



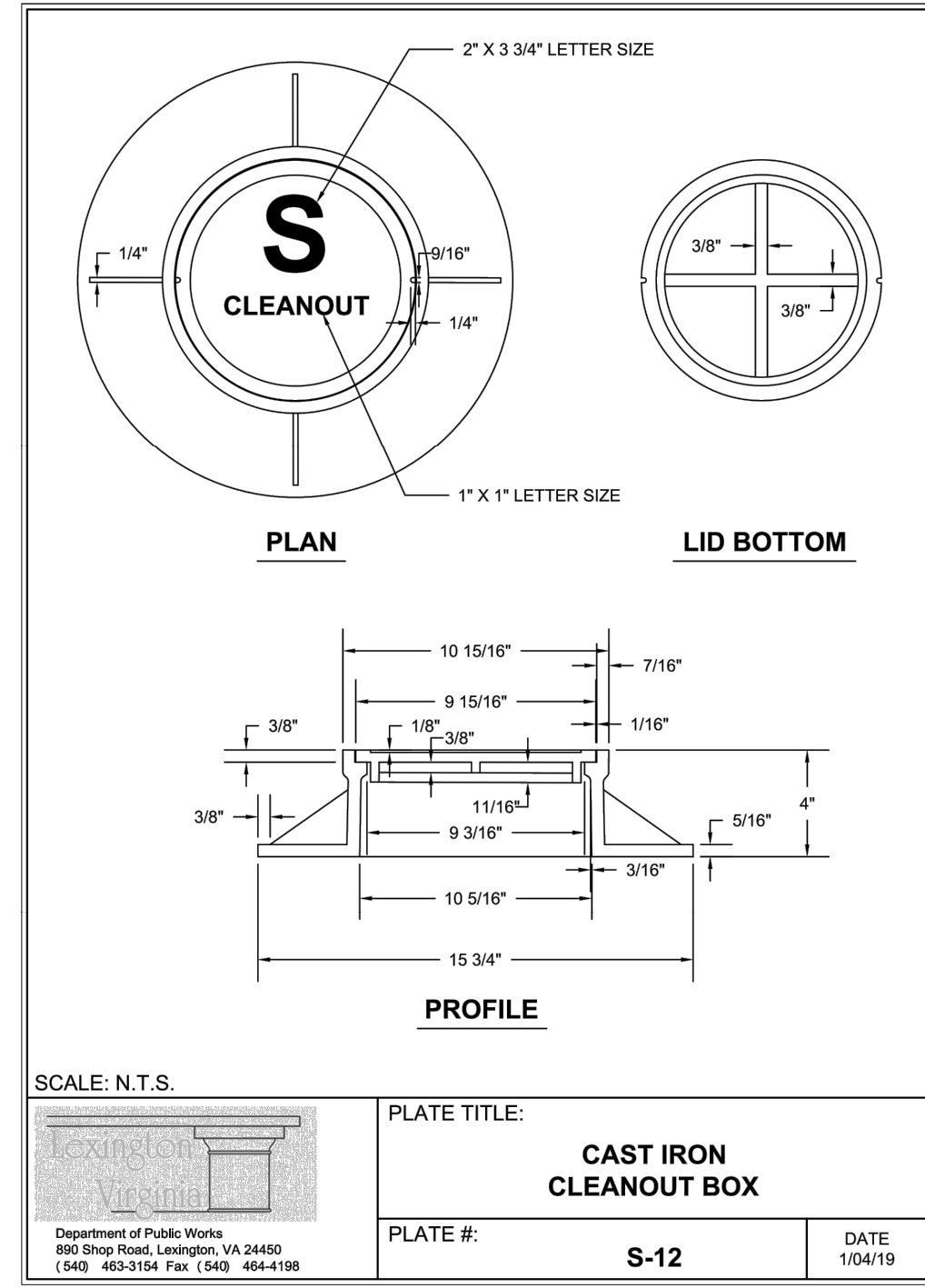
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 PLATE TITLE: **MANHOLE STEPS**
 PLATE #: **S-07** DATE: 1/04/19



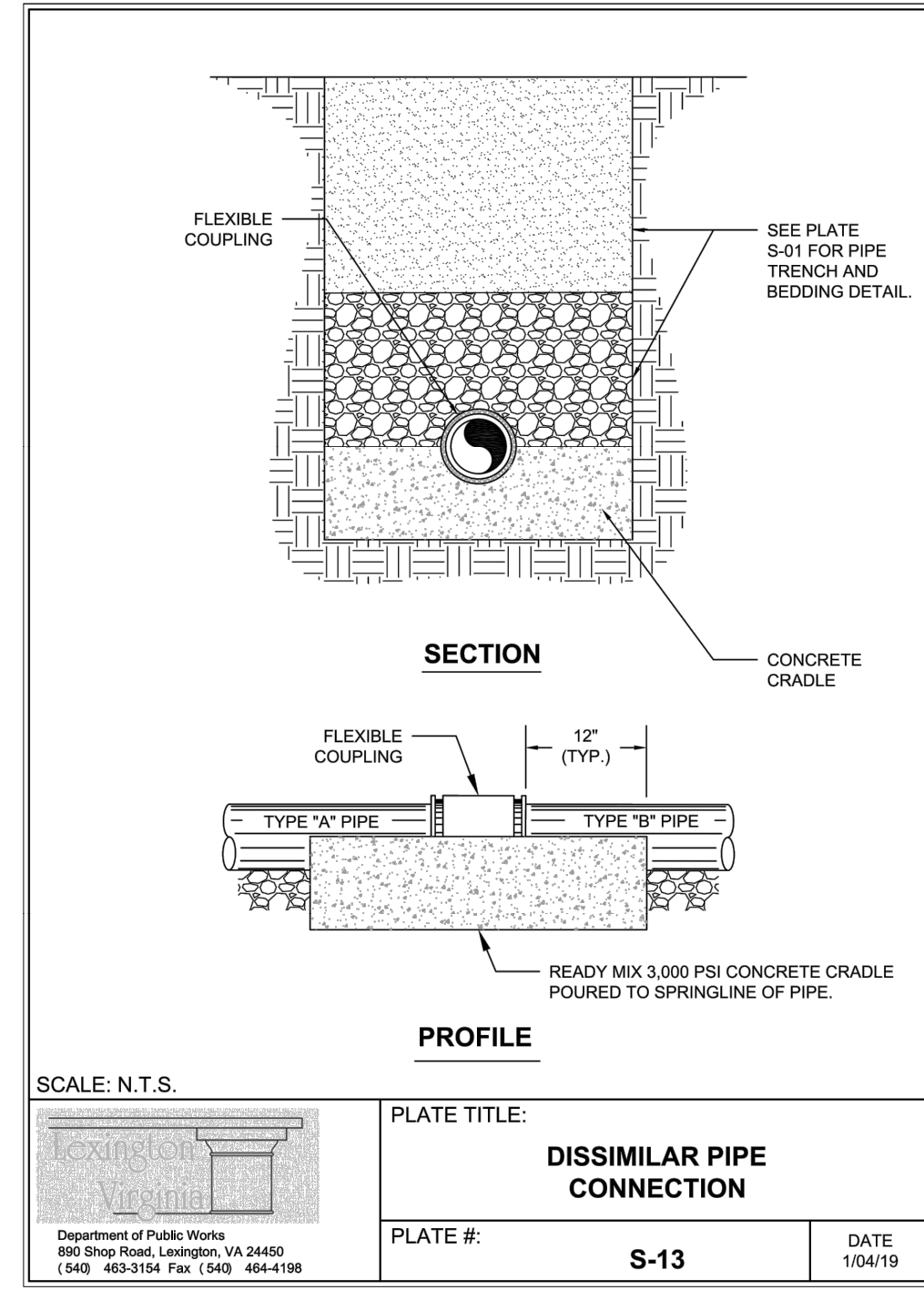
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 PLATE TITLE: **EXTERNAL DROP CONNECTION**
 PLATE #: **S-08** DATE: 1/04/19



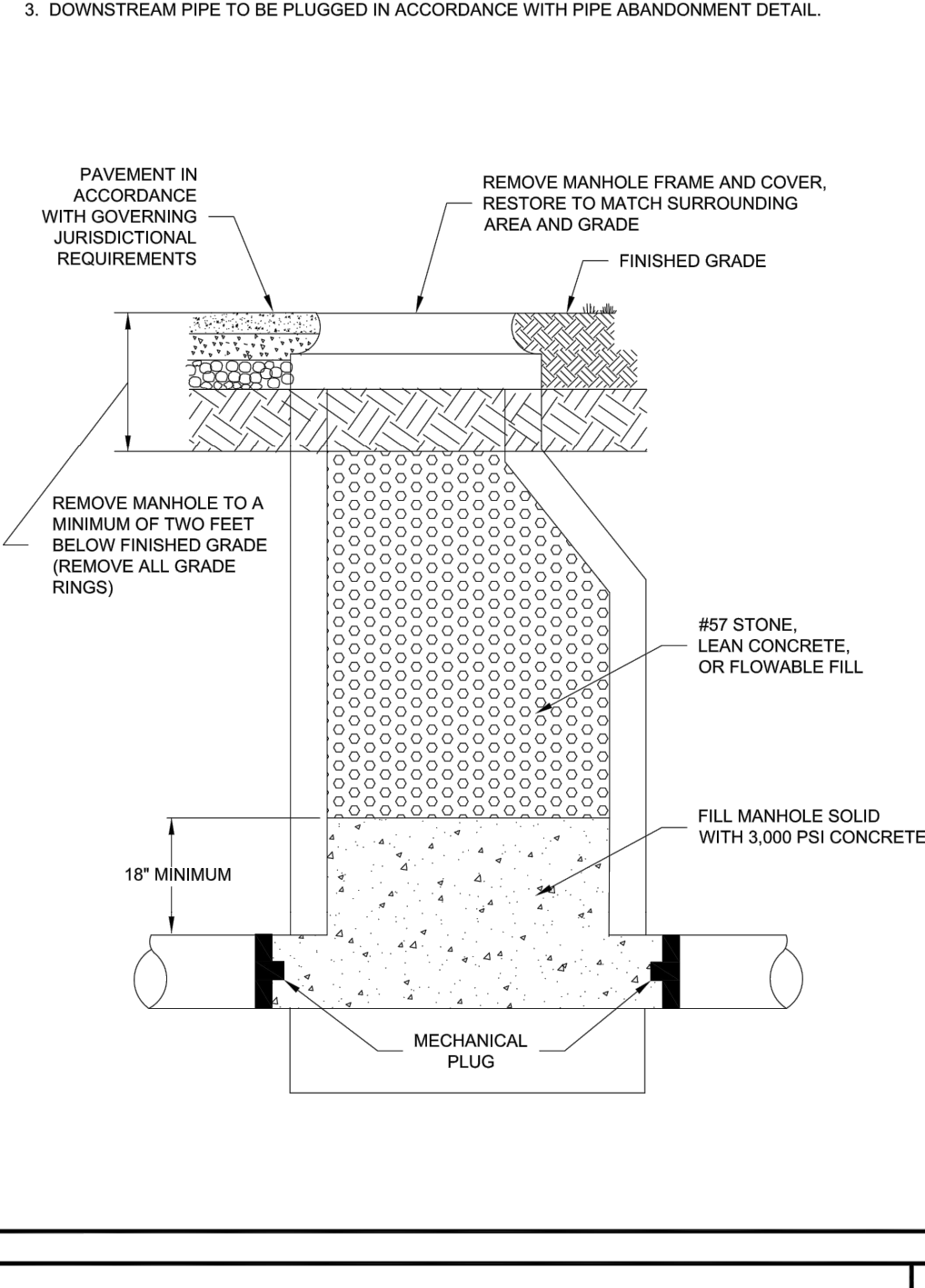
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 PLATE TITLE: **RESIDENTIAL SANITARY LATERAL**
 PLATE #: **S-11** DATE: 1/04/19



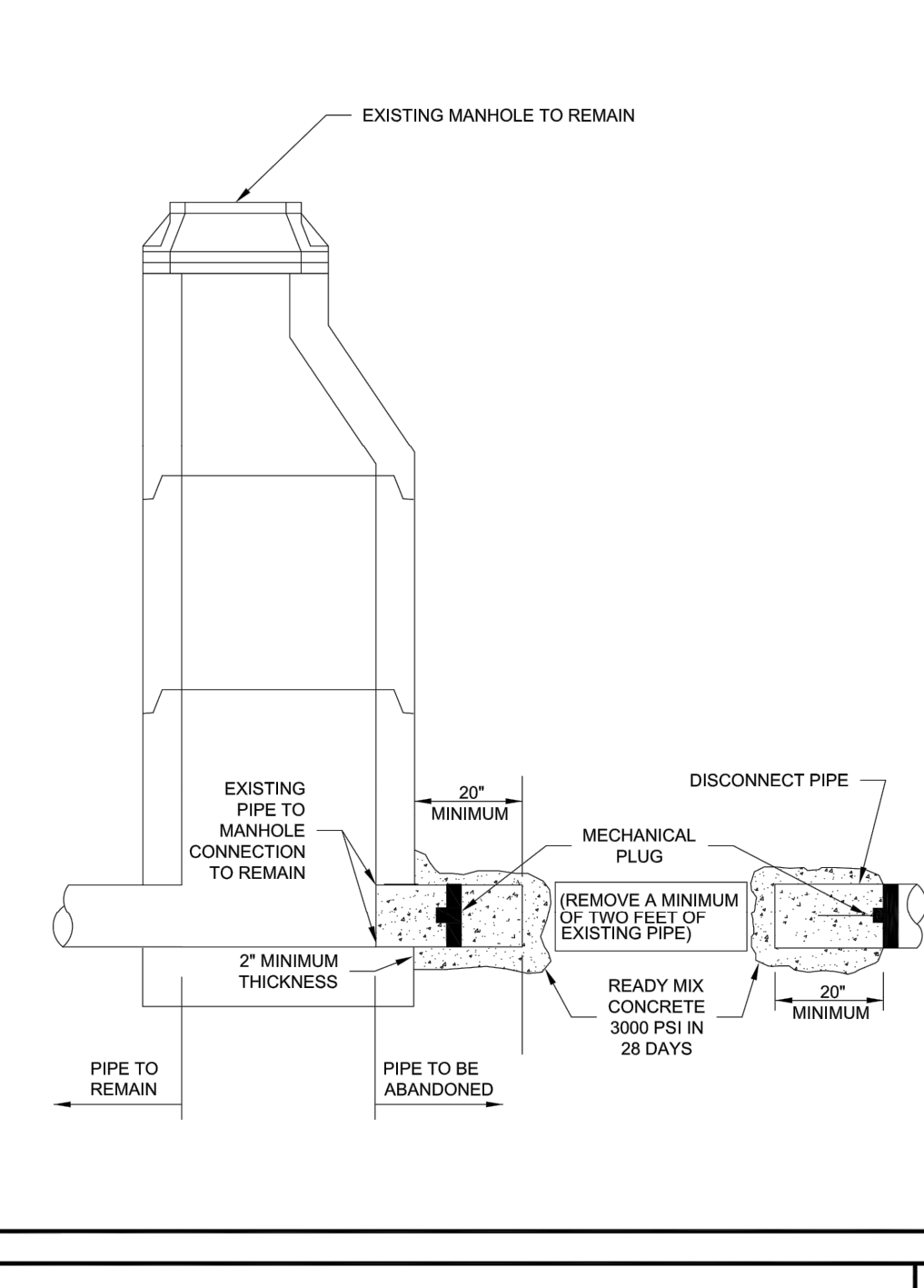
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 PLATE TITLE: **CAST IRON CLEANOUT BOX**
 PLATE #: **S-12** DATE: 1/04/19



SCALE: N.T.S.
 PLATE TITLE: **DISSIMILAR PIPE CONNECTION**
 PLATE #: **S-13** DATE: 1/04/19

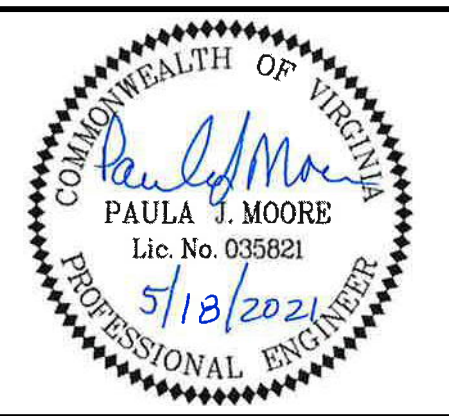


SCALE: N.T.S.
 PLATE TITLE: **SANITARY SEWER MANHOLE ABANDONMENT**
 PLATE #: **S-14** DATE: 01/01/14



SCALE: N.T.S.
 PLATE TITLE: **SANITARY SEWER PIPE ABANDONMENT AT A MANHOLE**
 PLATE #: **S-15** DATE: 01/01/14

N:\4615-000\CAD\DWG\Drawn\Drawn\46150000-24.dwg May 18, 2021 - 8:58am



CITY OF LEXINGTON PUBLIC WORKS
 890 SHOP ROAD
 LEXINGTON, VIRGINIA 24450

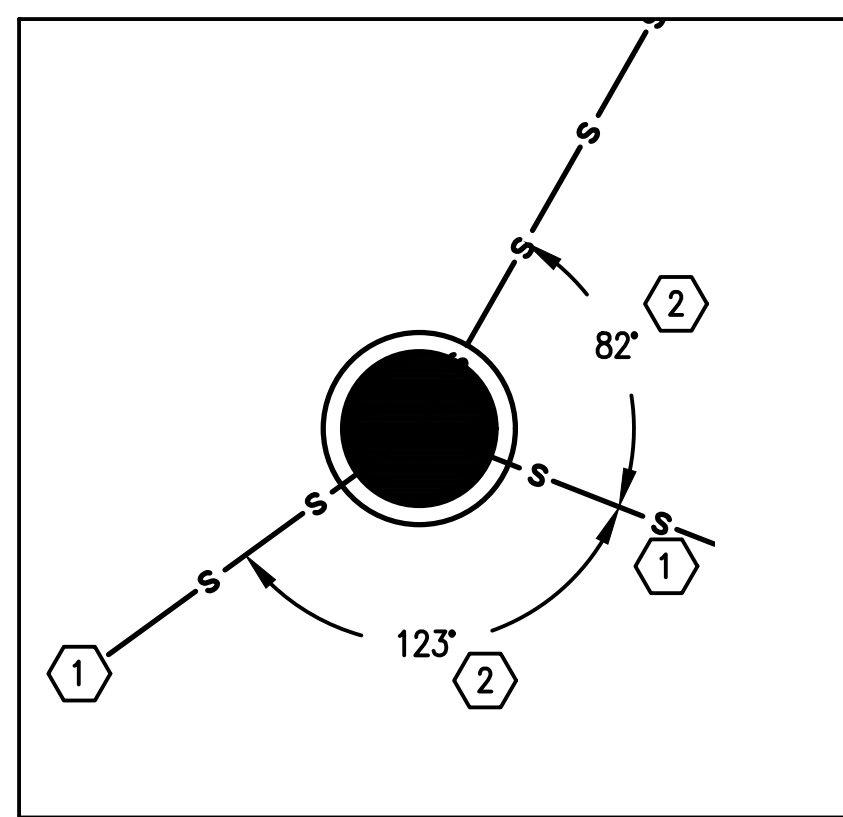
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CHECK:	GWF	VERT:	N/A
DATE:	05/18/21		

DIAMOND HILL AREA
 SEWER REPLACEMENT PROJECT

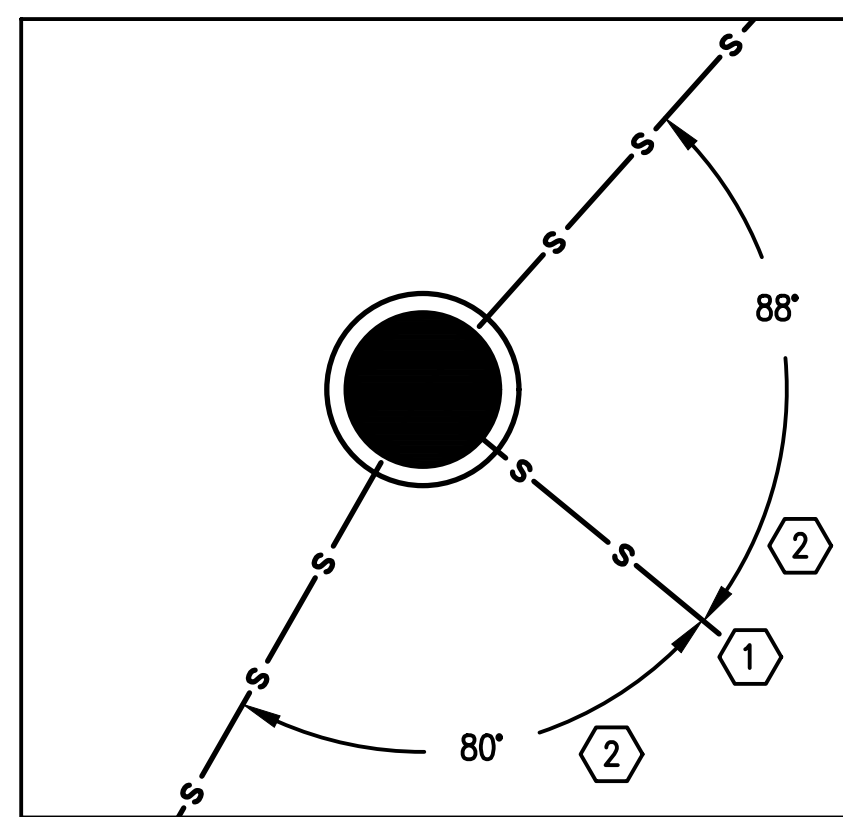
STANDARD DETAILS

REV	DATE	DESCRIPTION

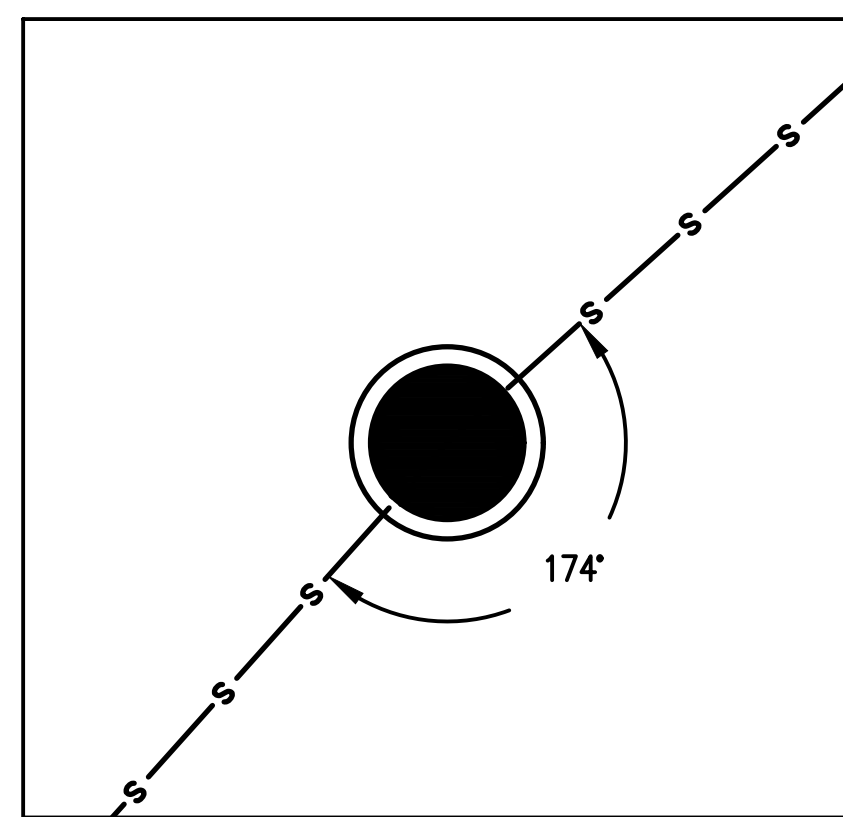
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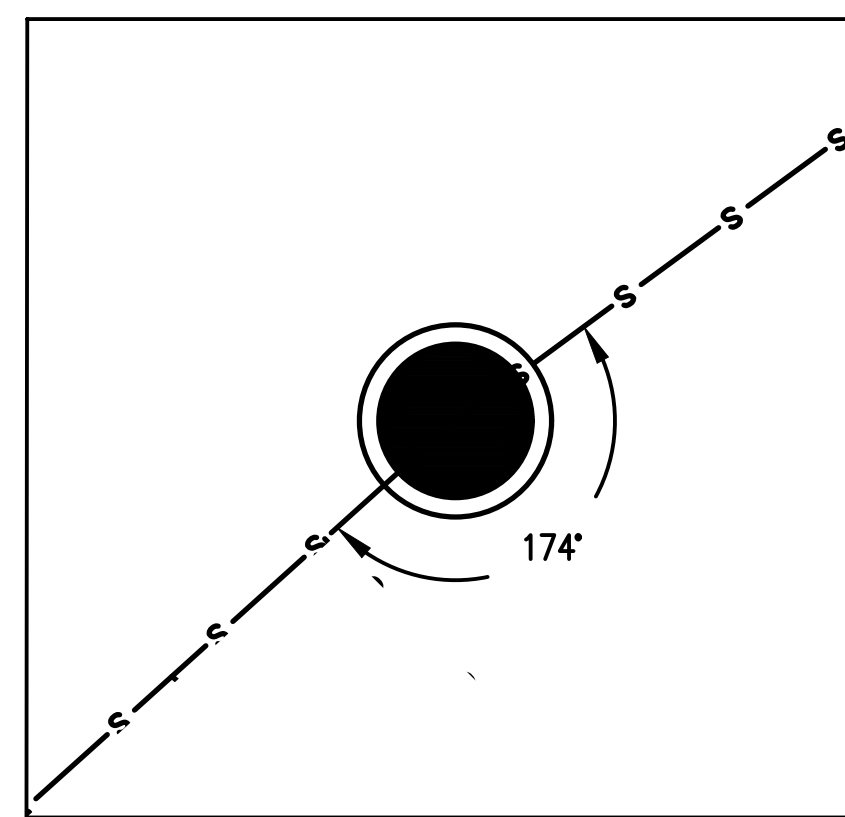
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SEE DRAWING C1-01



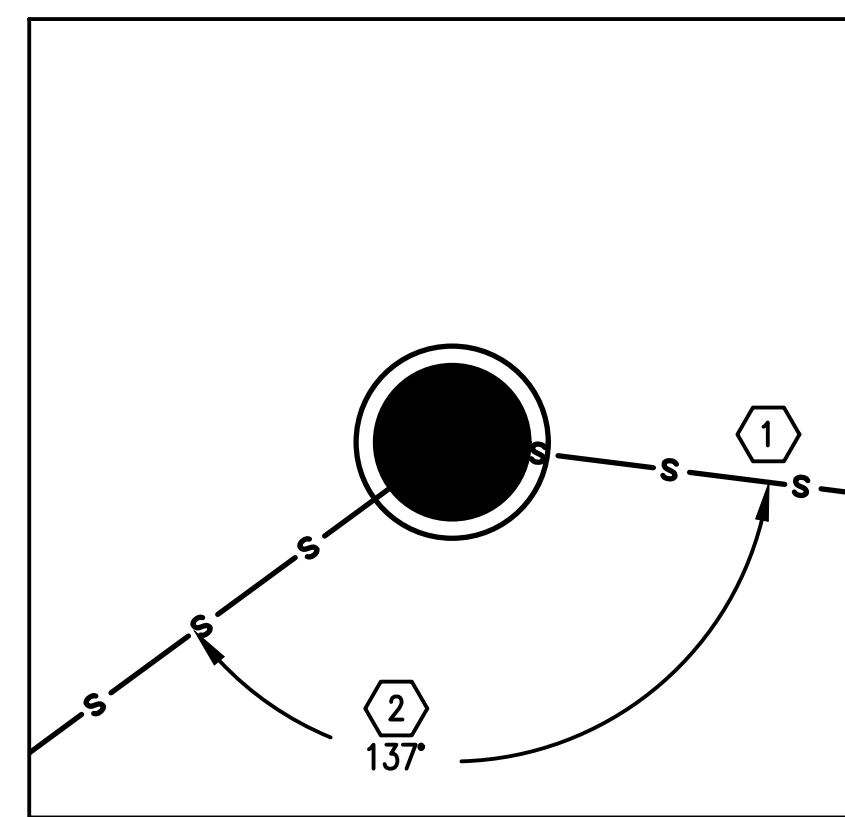
PROPOSED MANHOLE 12-02
SEE DRAWING C1-01



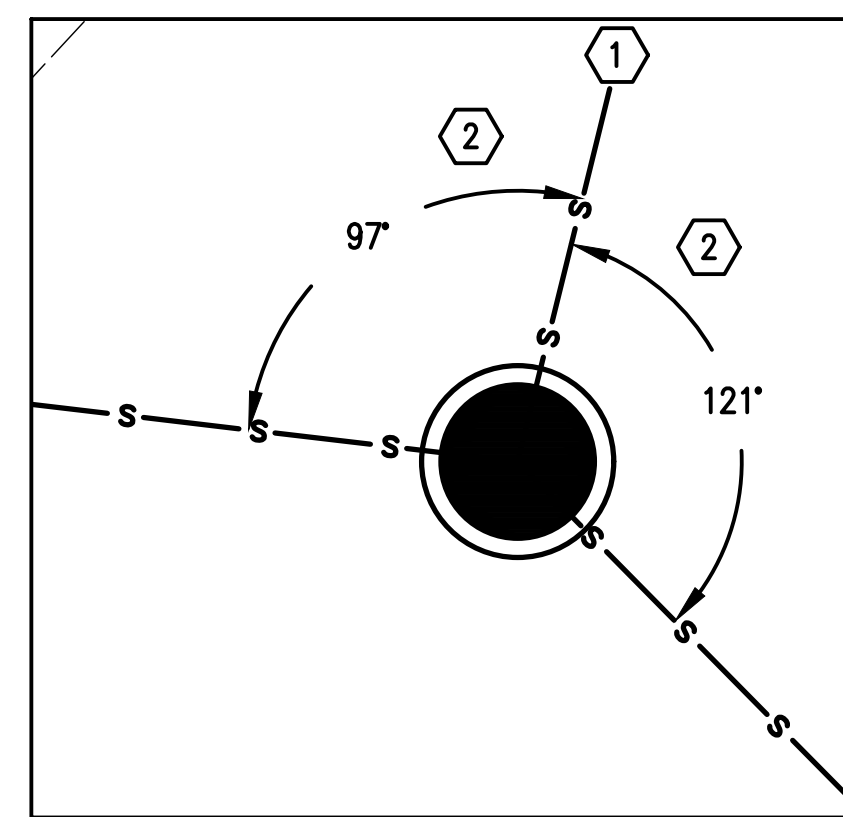
PROPOSED MANHOLE 12-03
SEE DRAWING C1-01



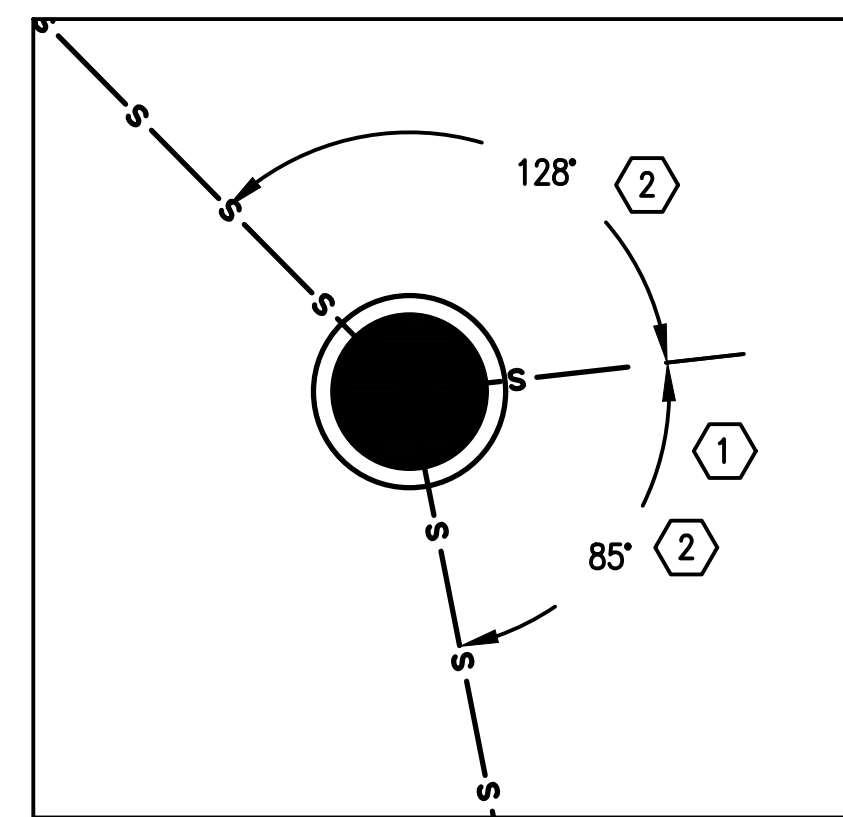
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SEE DRAWING C1-01



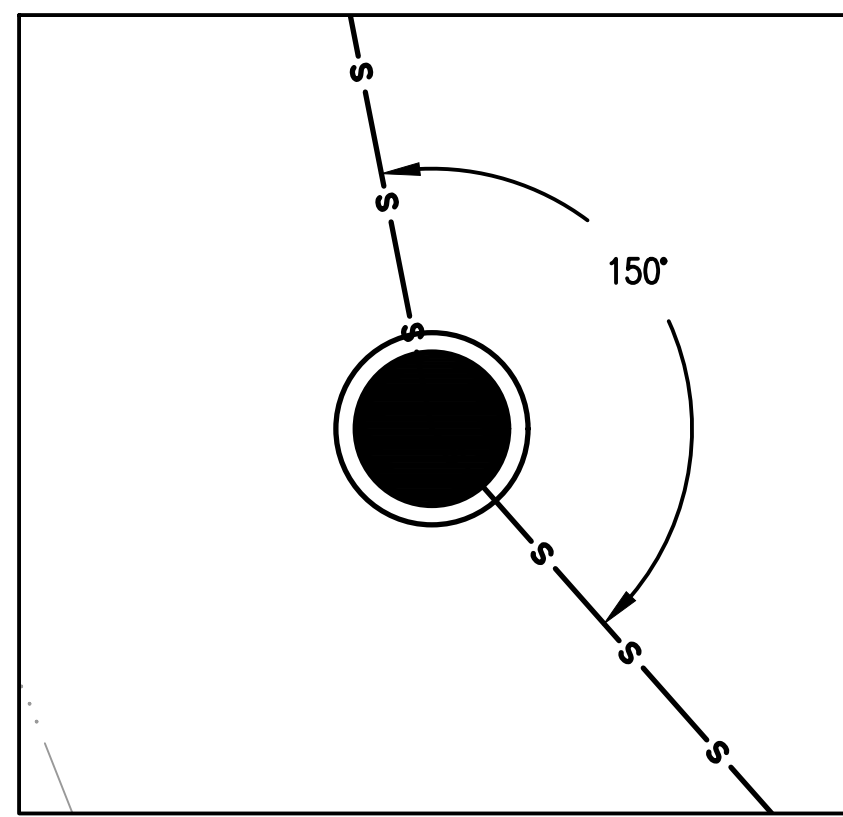
PROPOSED MANHOLE 12-05
SEE DRAWING C1-01



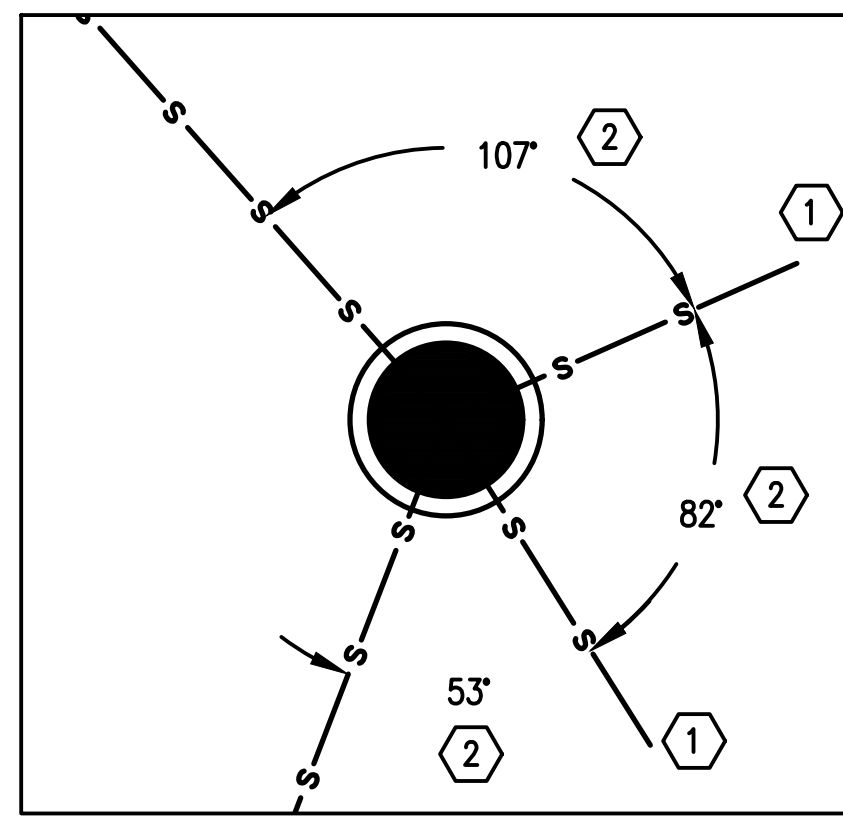
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SEE DRAWING C1-02



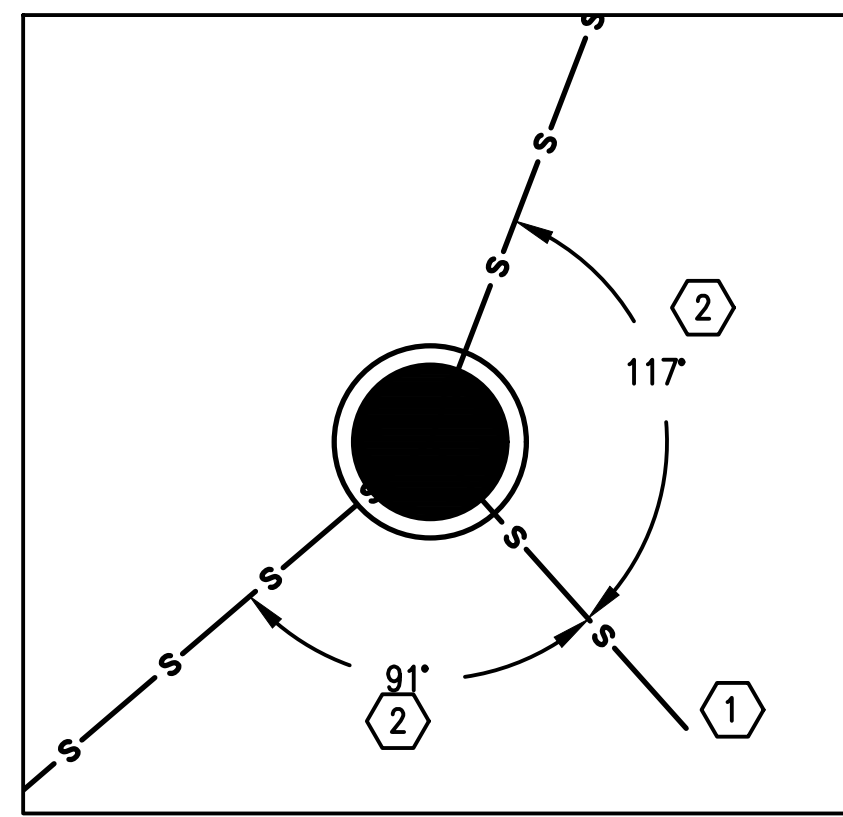
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SEE DRAWING C1-02



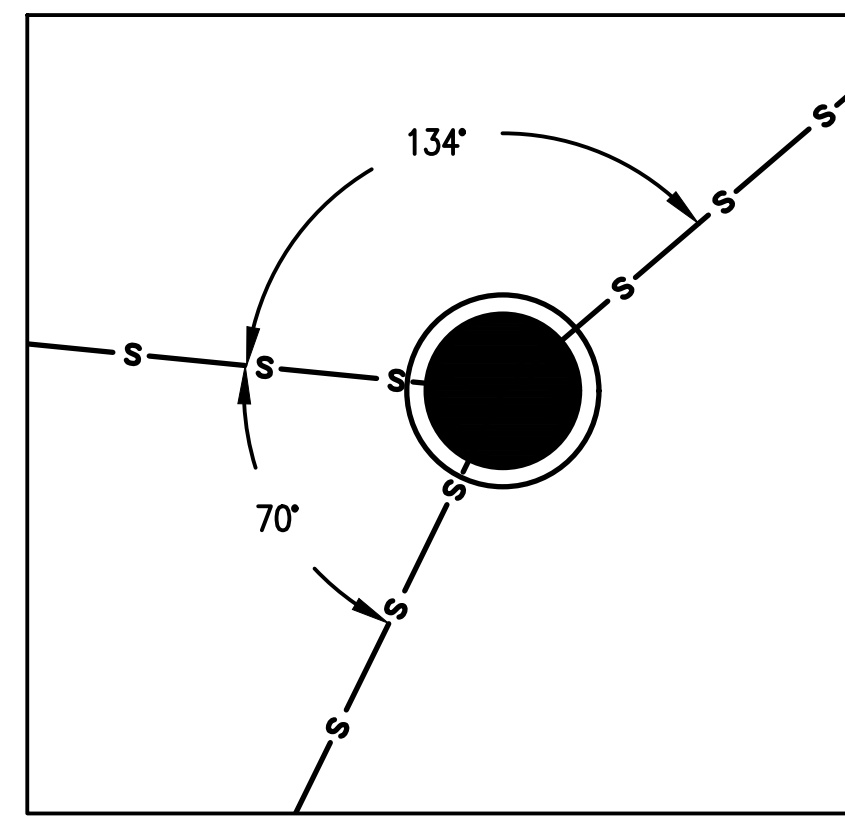
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SEE DRAWING C1-02



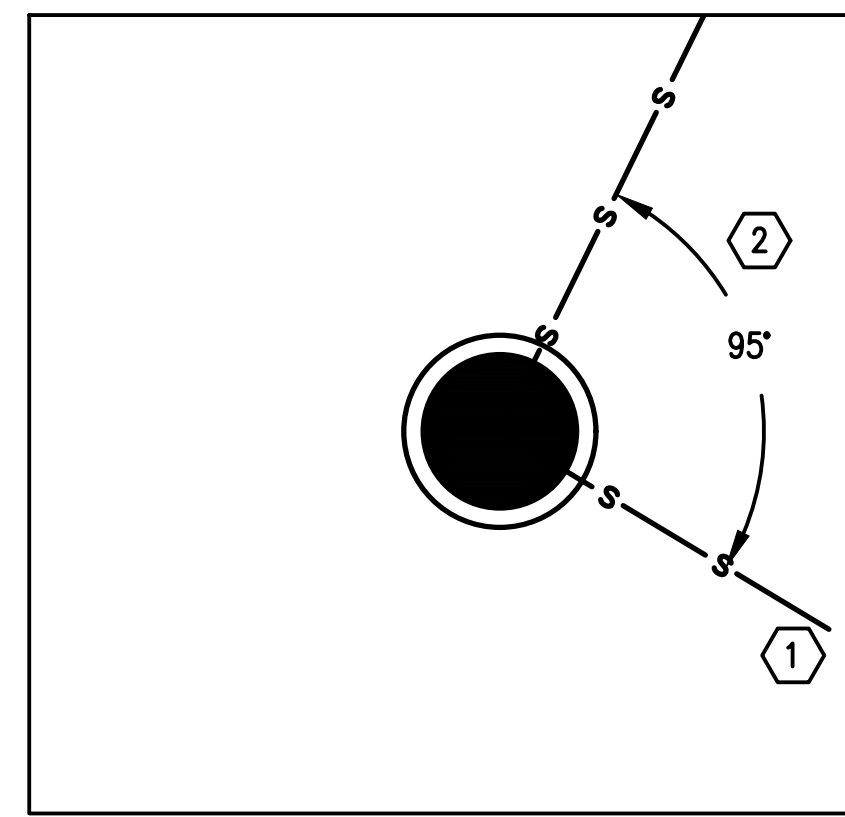
PROPOSED MANHOLE 13-04
SEE DRAWING C1-02



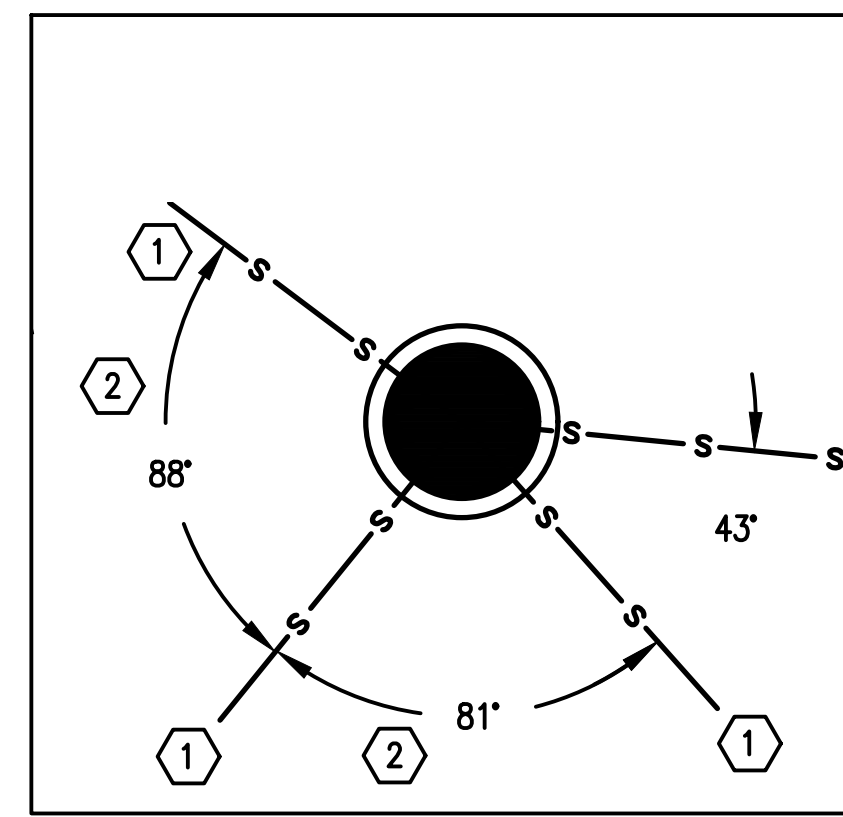
PROPOSED MANHOLE 13-04A
SEE DRAWING C1-02



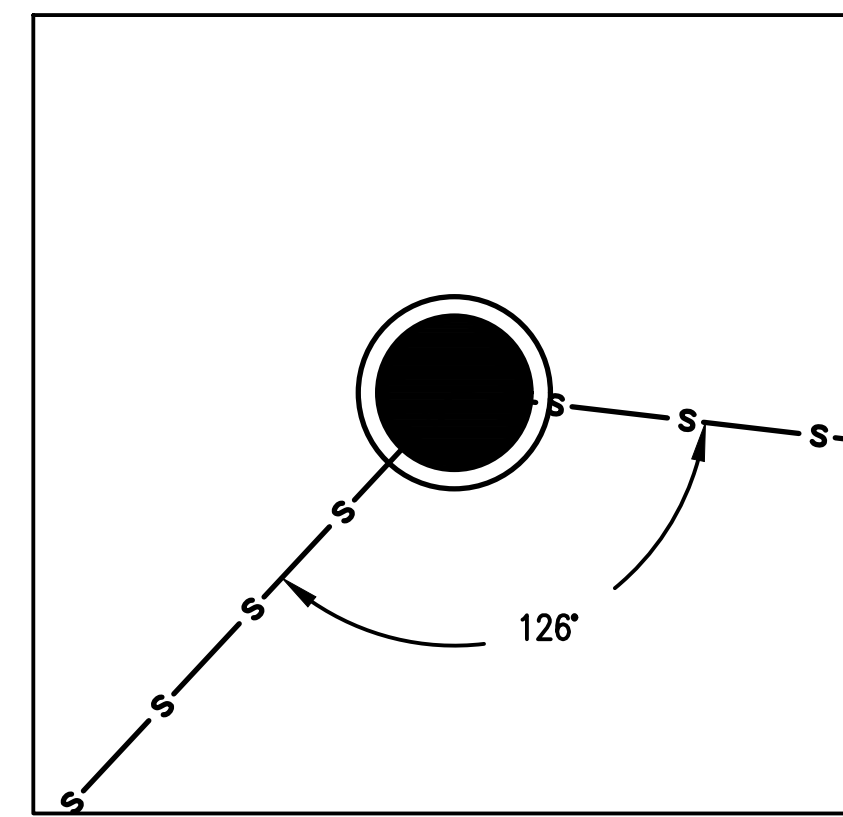
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SEE DRAWING C1-02



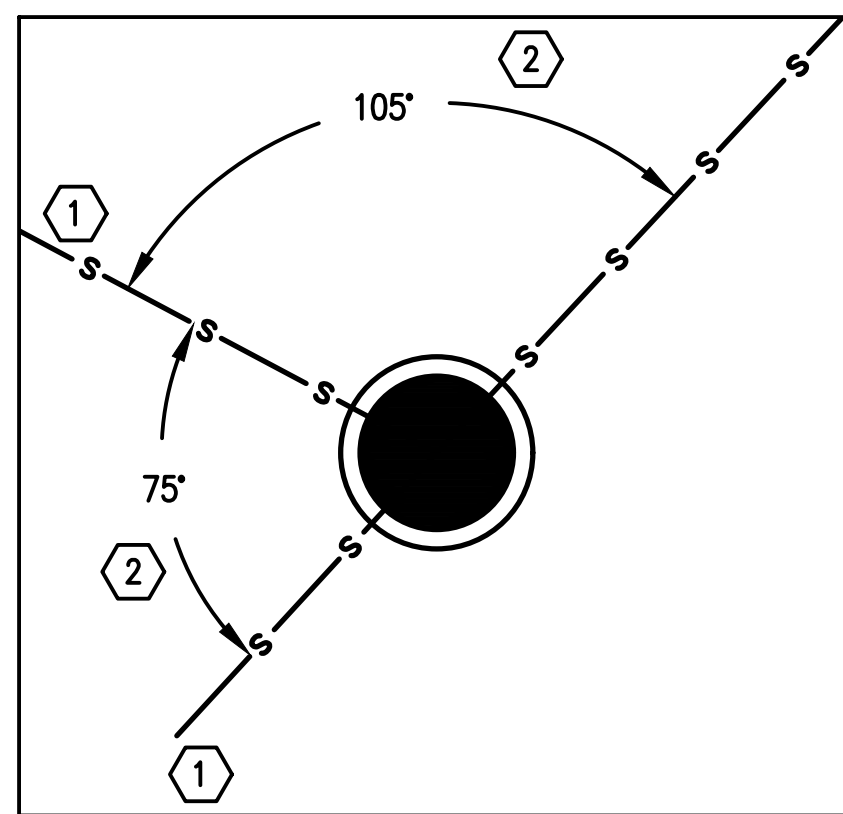
PROPOSED MANHOLE 13-04B1
SEE DRAWING C1-02



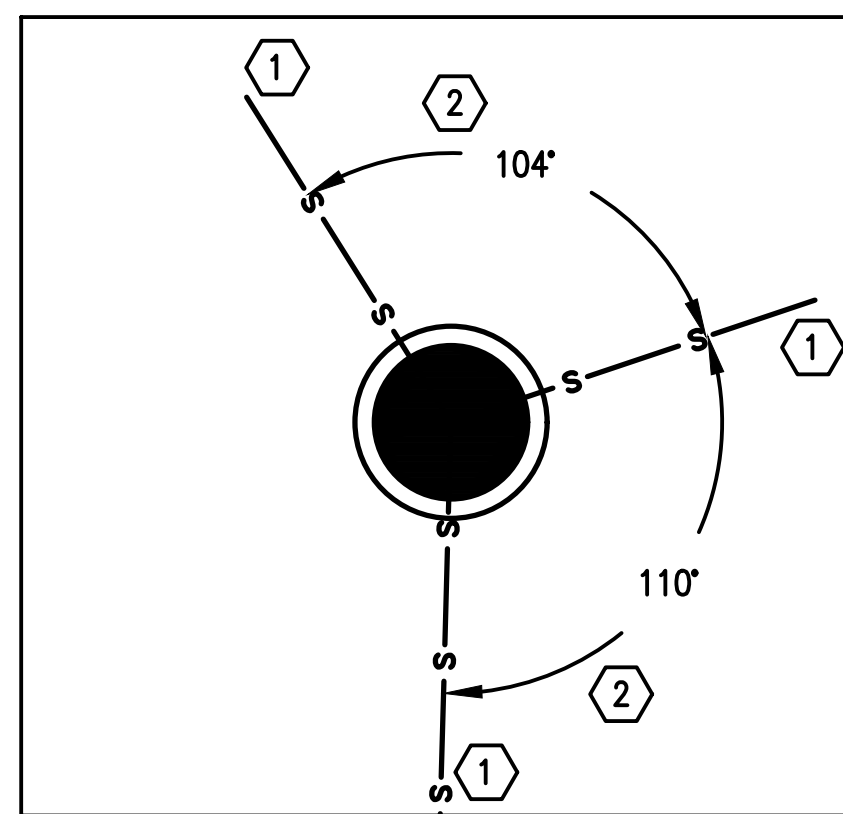
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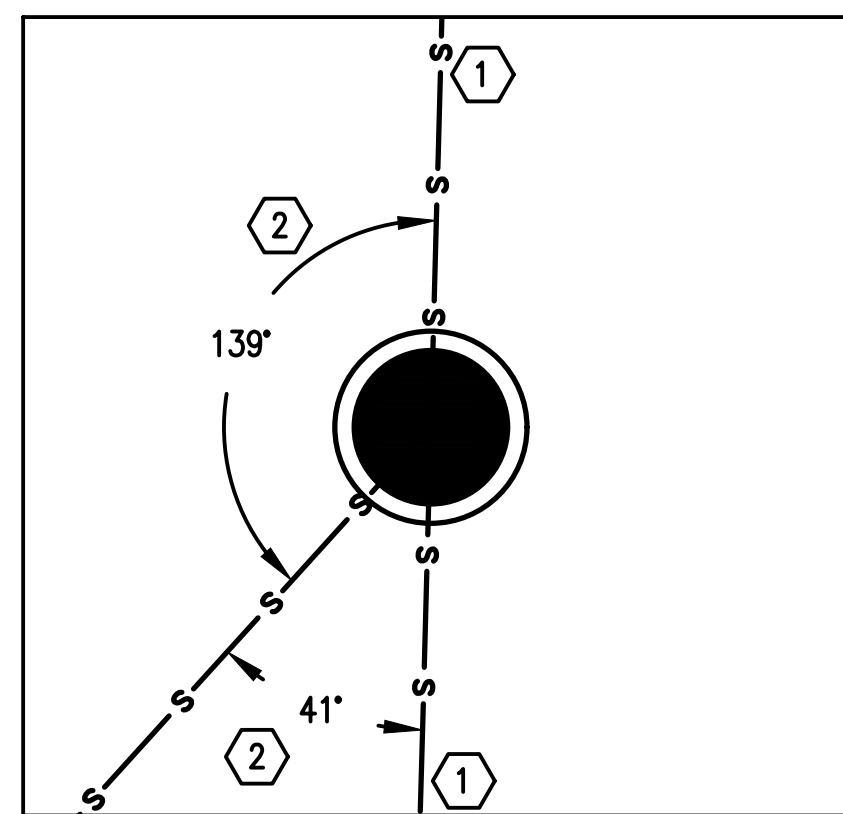
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SEE DRAWING C1-02



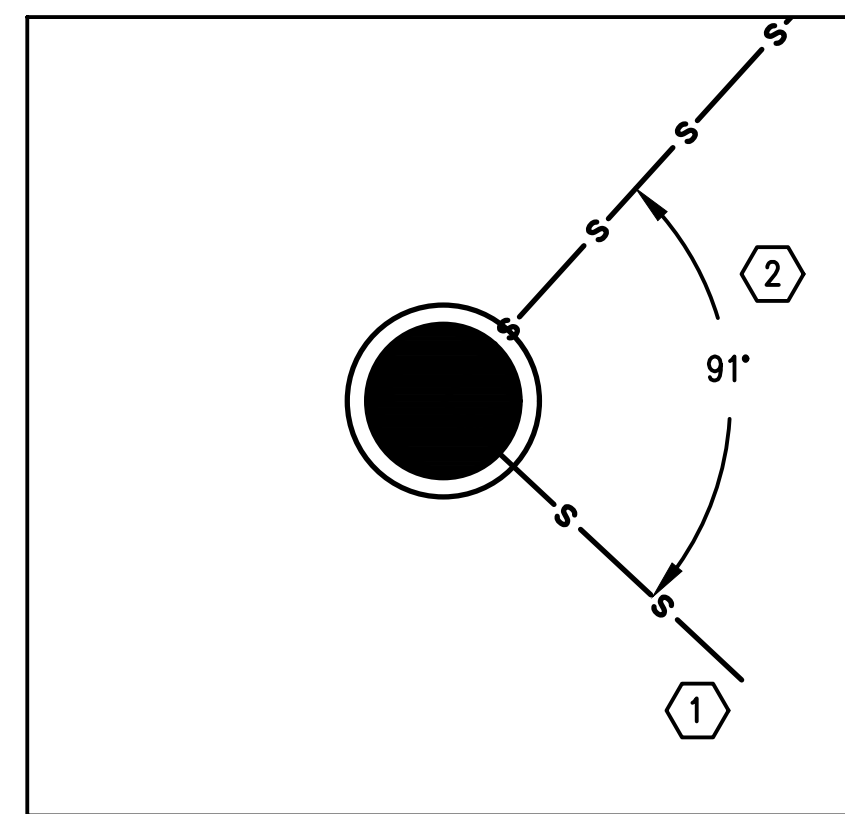
PROPOSED MANHOLE 13-01B
SEE DRAWING C1-02



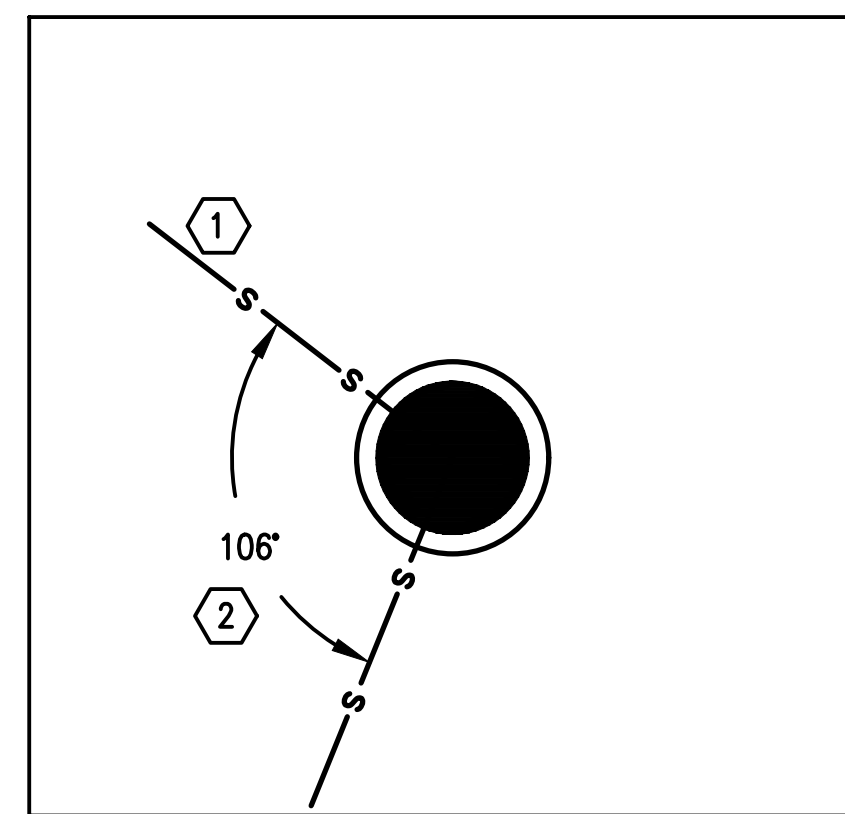
PROPOSED MANHOLE 13-05
SEE DRAWING C1-02



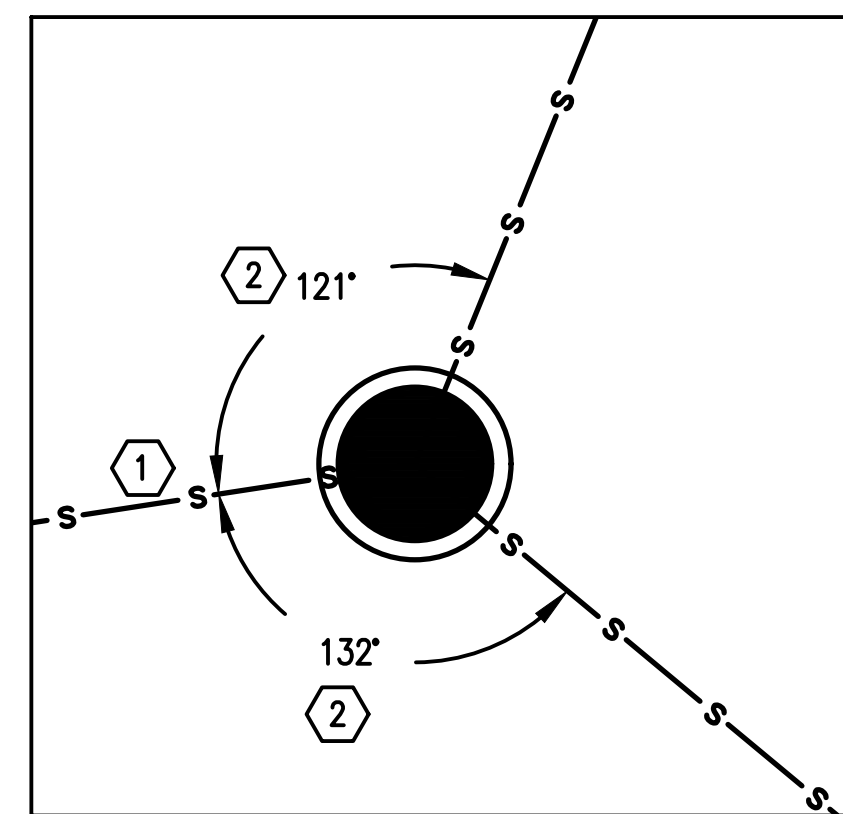
PROPOSED MANHOLE 13-06
SEE DRAWING C1-02



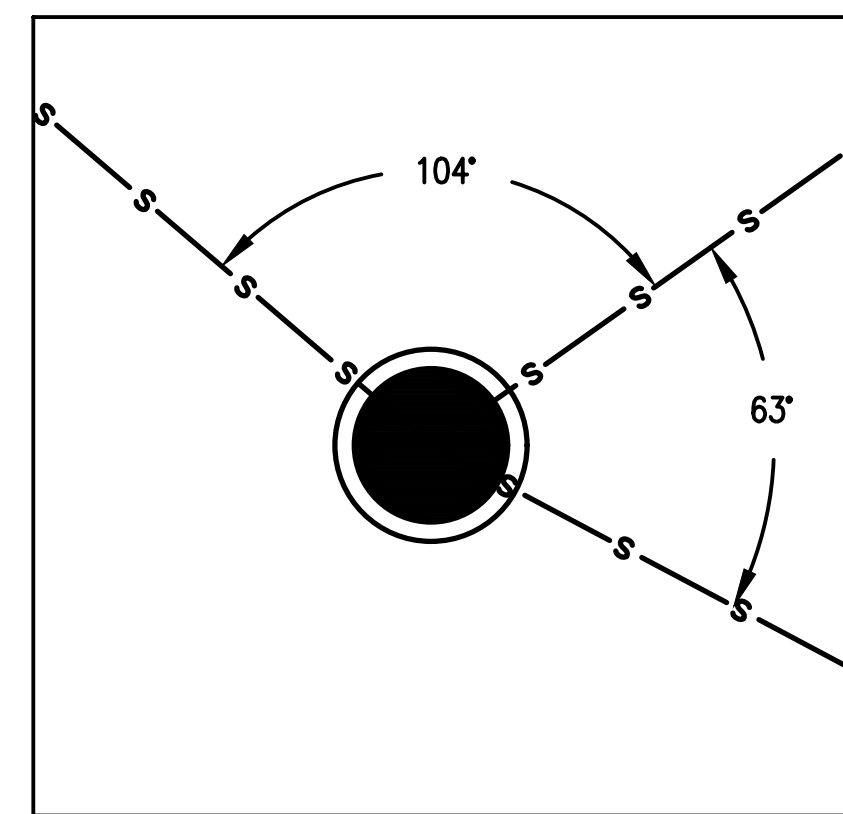
PROPOSED MANHOLE 13-07
SEE DRAWING C1-02



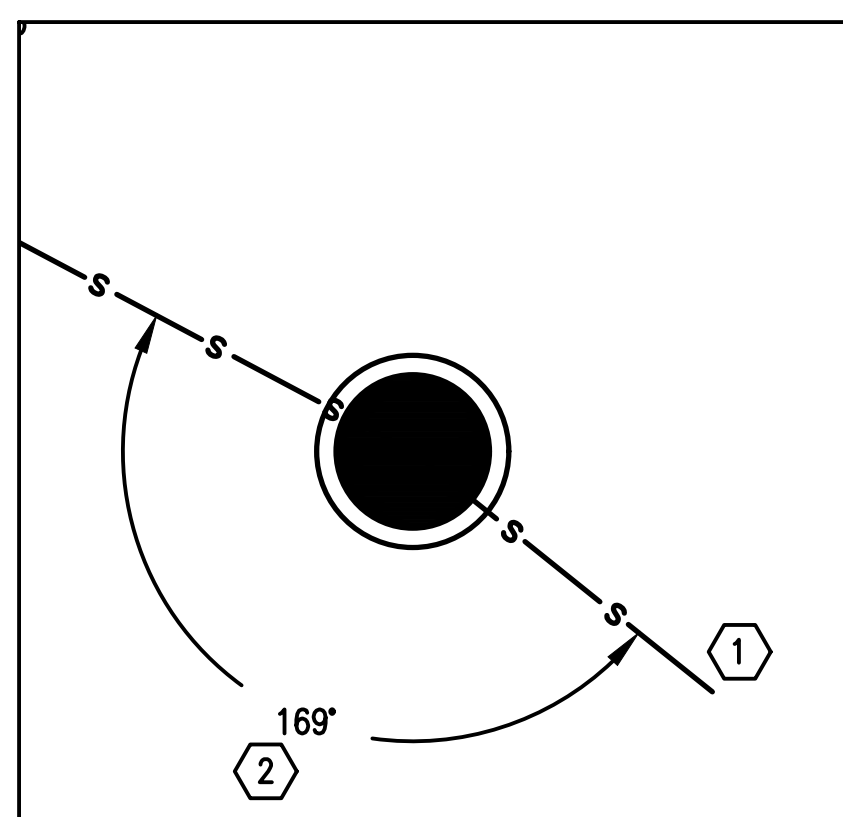
PROPOSED MANHOLE 14-01
SEE DRAWING C1-03



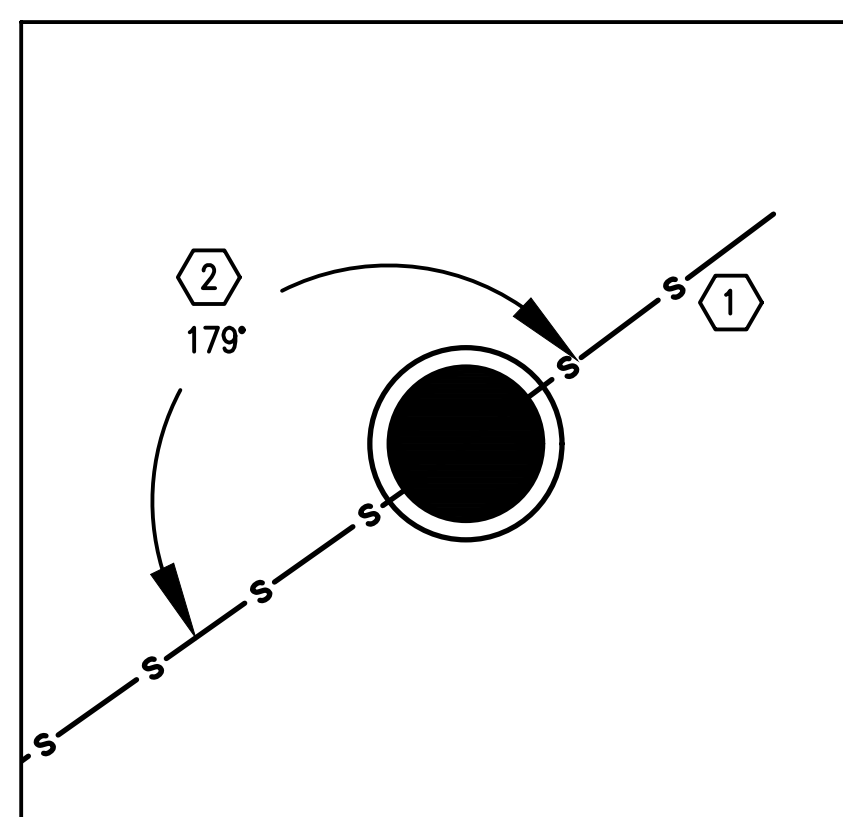
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SEE DRAWING C1-03



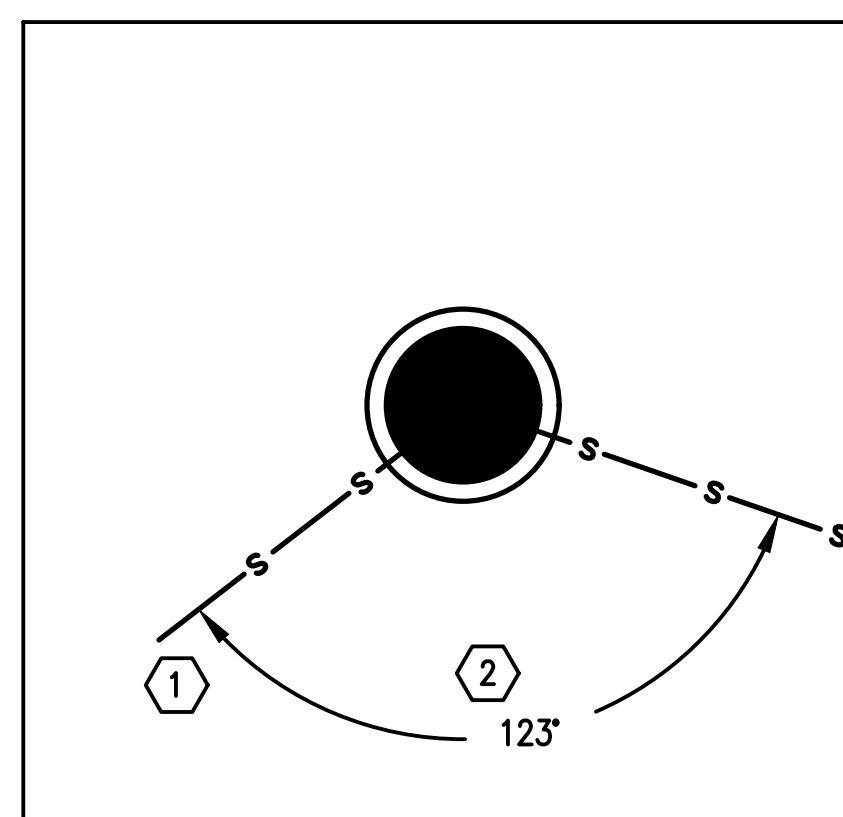
PROPOSED MANHOLE 14-03
SEE DRAWING C1-03



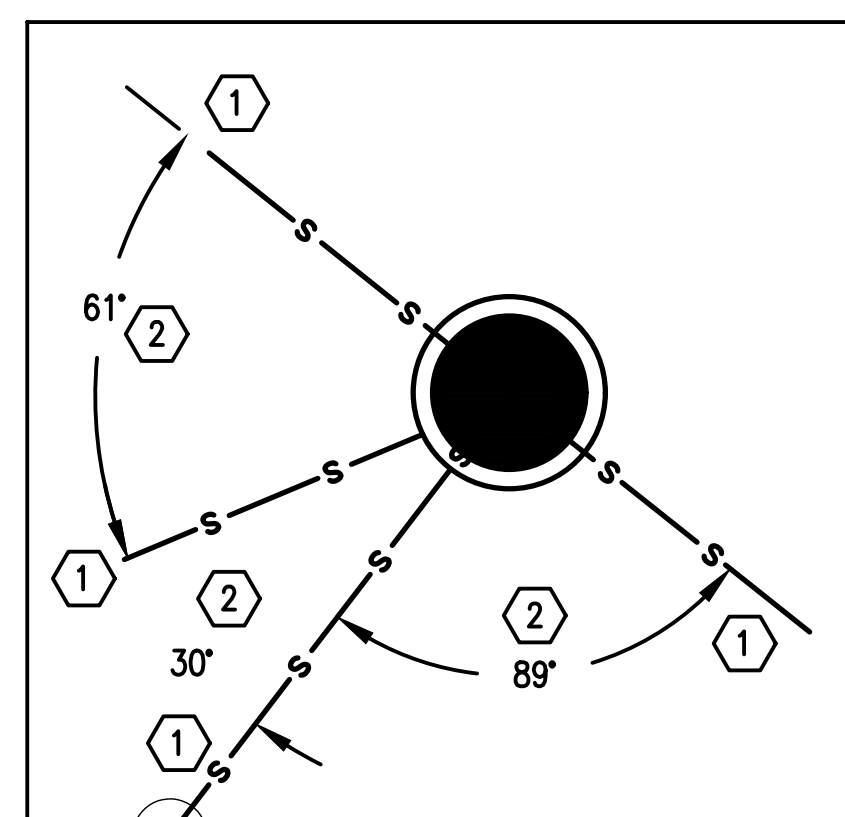
PROPOSED MANHOLE 14-04
SEE DRAWING C1-03



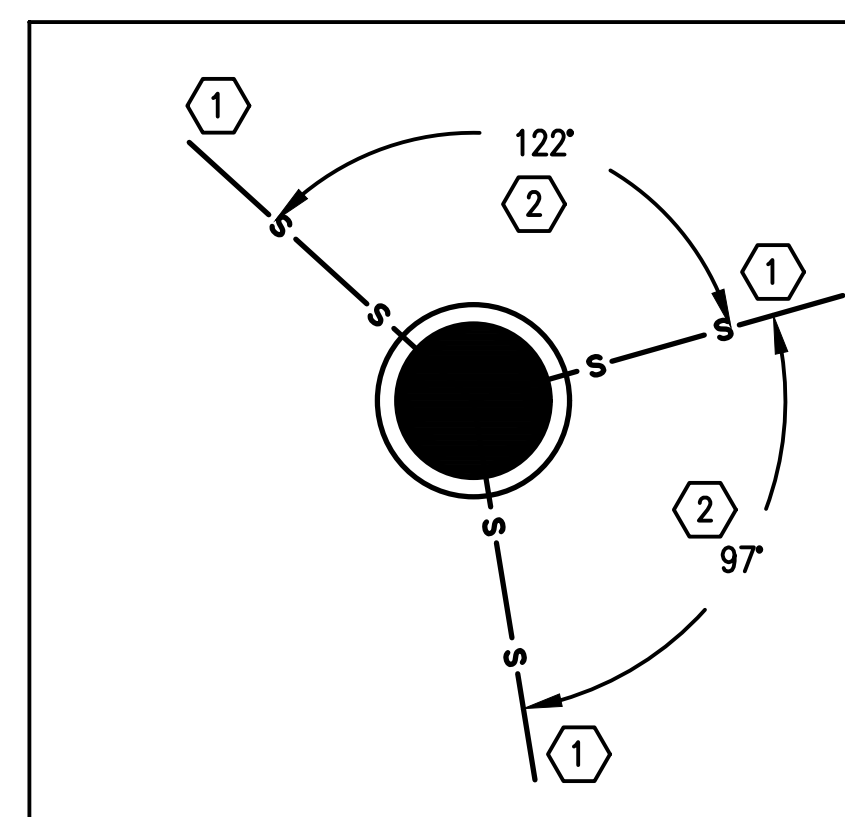
PROPOSED MANHOLE 14-03A
SEE DRAWING C1-03



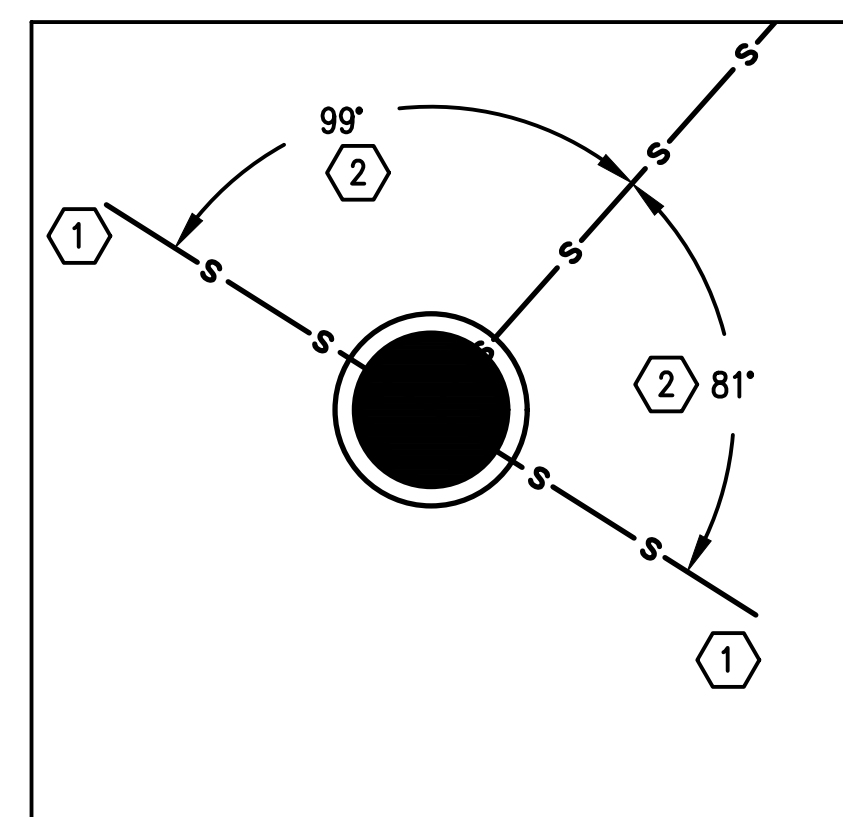
PROPOSED MANHOLE 14-03B
SEE DRAWING C1-03



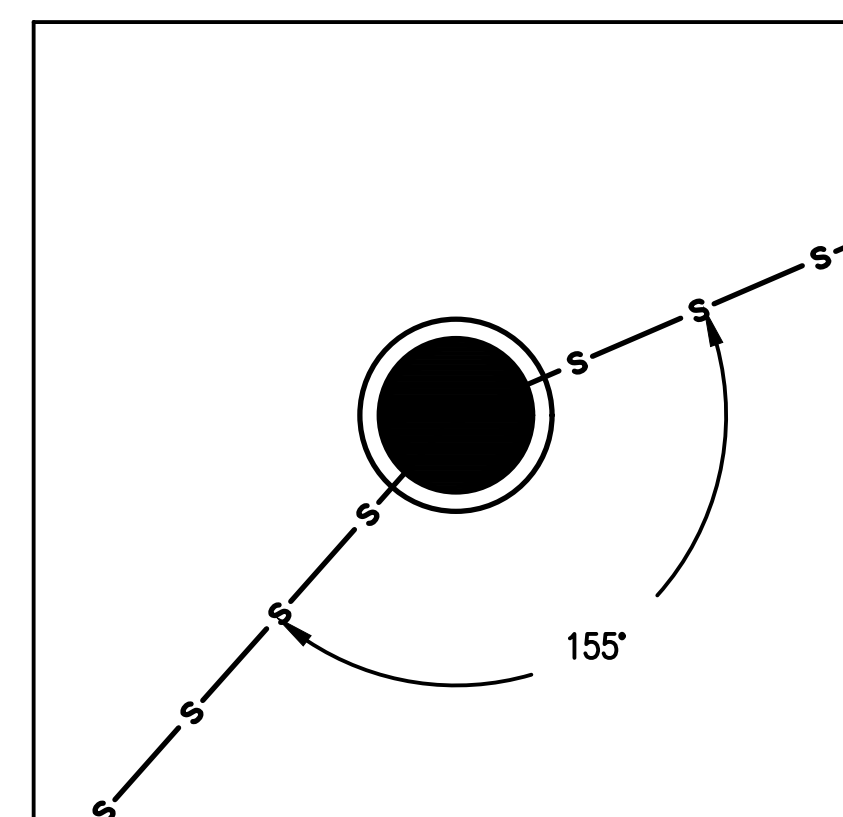
PROPOSED MANHOLE 15-01
SEE DRAWING C1-04



PROPOSED MANHOLE 15-02
SEE DRAWING C1-04



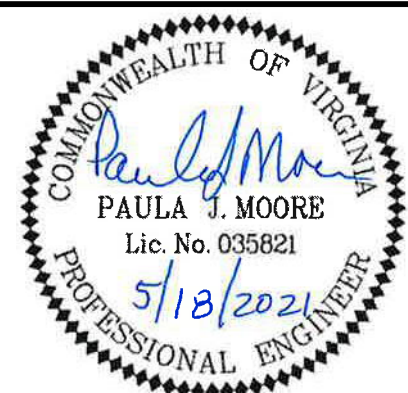
PROPOSED MANHOLE 16-01
SEE DRAWING C1-05



PROPOSED MANHOLE 16-02
SEE DRAWING C1-05

NOTES:

- (1) CONNECTION TO EXISTING SEWER MAIN/LATERAL.
- (2) ANGLE SHOWN IS APPROXIMATE. CONTRACTOR TO FIELD CONFIRM LOCATION FOR TIE-IN TO EXISTING SEWER MAIN/LATERAL PRIOR TO SHOP DRAWING DEVELOPMENT AND MANUFACTURE OF MANHOLE.



CITY OF LEXINGTON PUBLIC WORKS
890 SHOP ROAD
LEXINGTON, VIRGINIA 24450

DES: PJM
DRAWN: RMV, DJA, JES
CHECK: GWF
DATE: 05/18/21

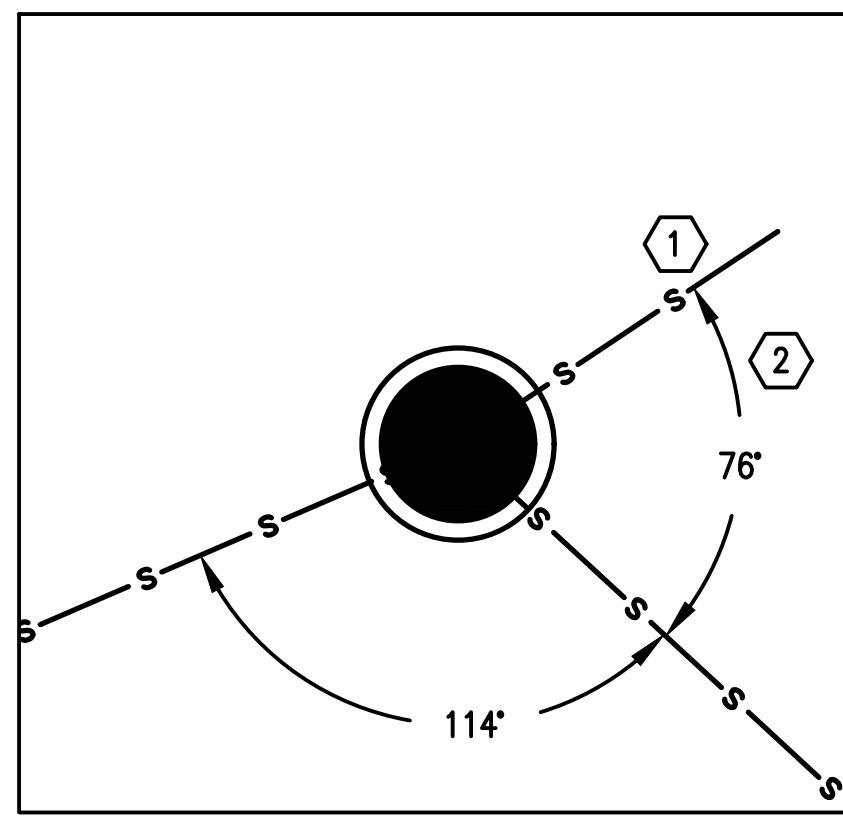
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VERT: N/A

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

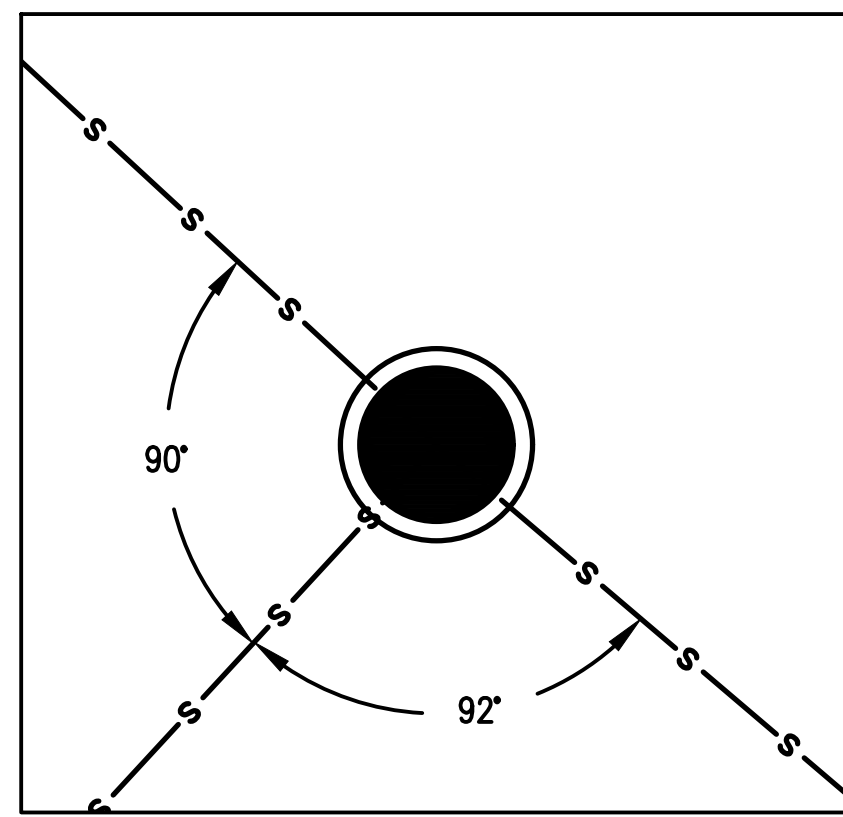
SANITARY SEWER
MANHOLE DETAILS

REV	DATE	DESCRIPTION

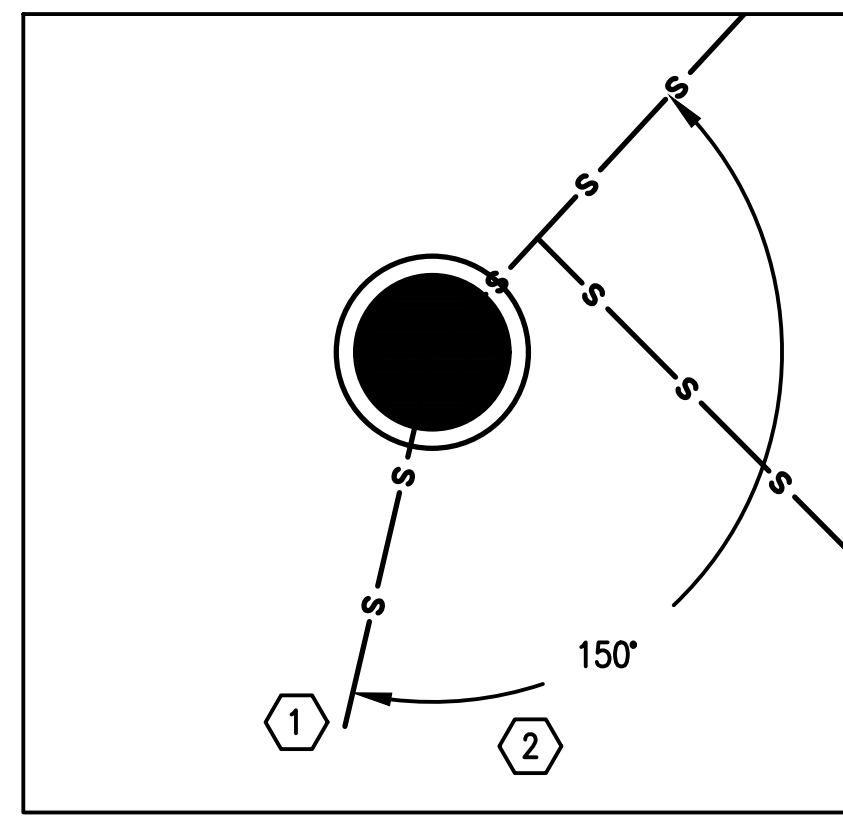
DRAWING	SHEET
C1-25	36



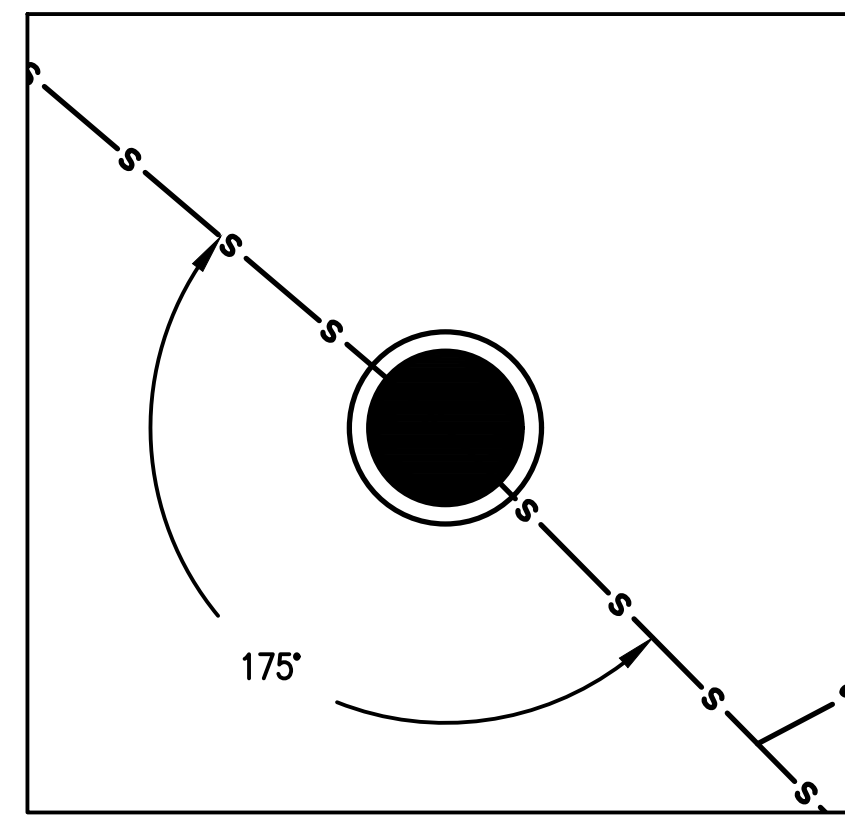
PROPOSED MANHOLE 16-03
SEE DRAWING C1-05



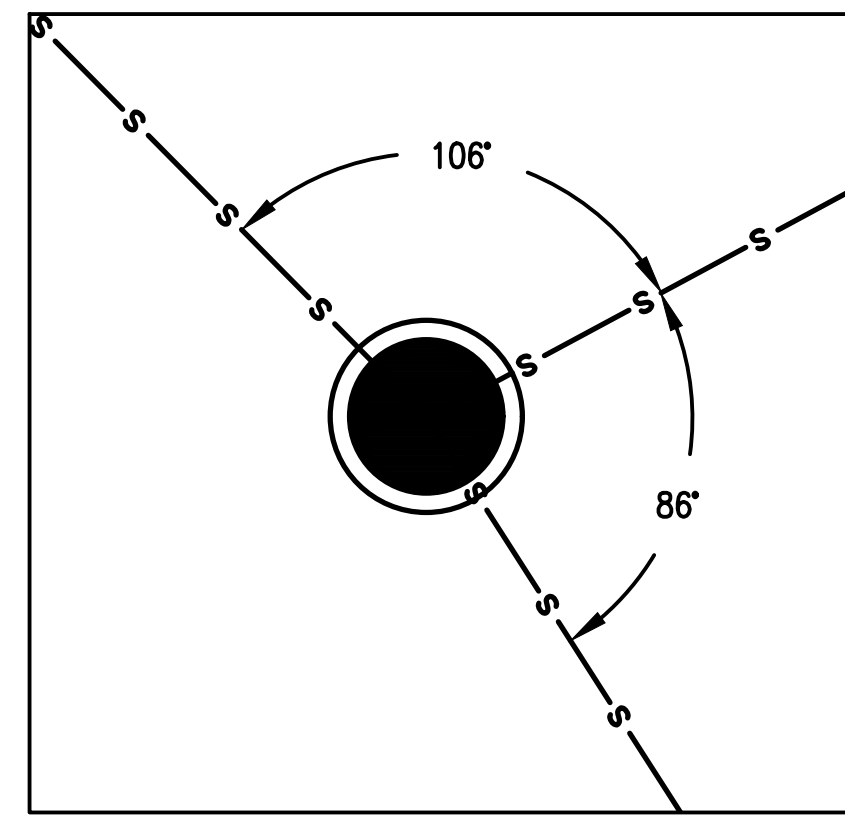
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SEE DRAWING C1-05



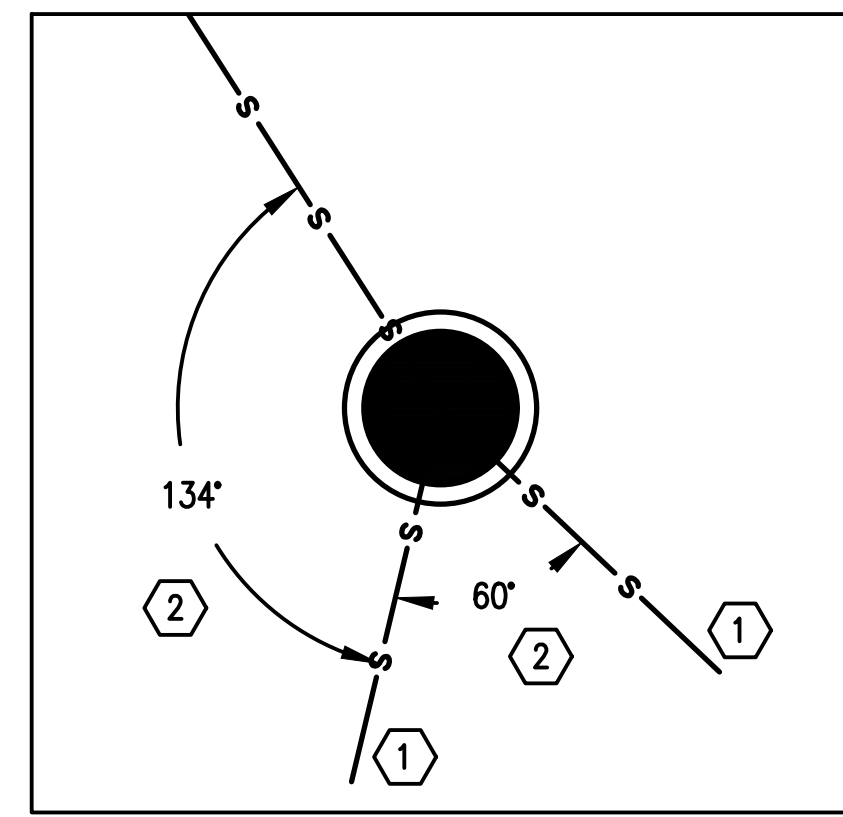
PROPOSED MANHOLE 16-04A
SEE DRAWING C1-05



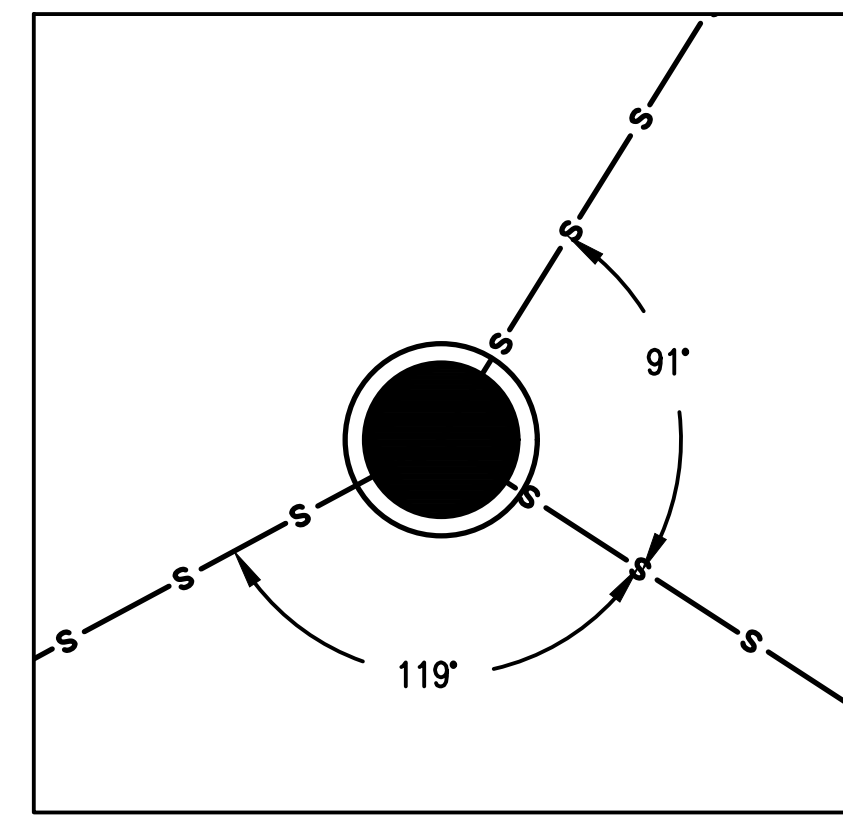
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SEE DRAWING C1-05



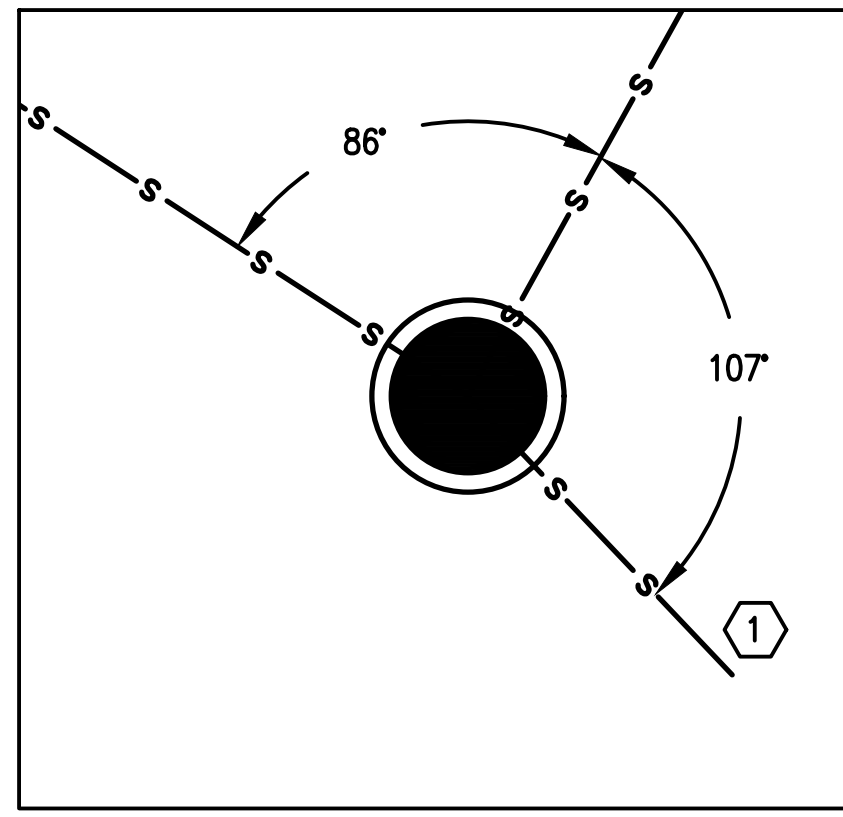
PROPOSED MANHOLE 17-01
SEE DRAWING C1-06



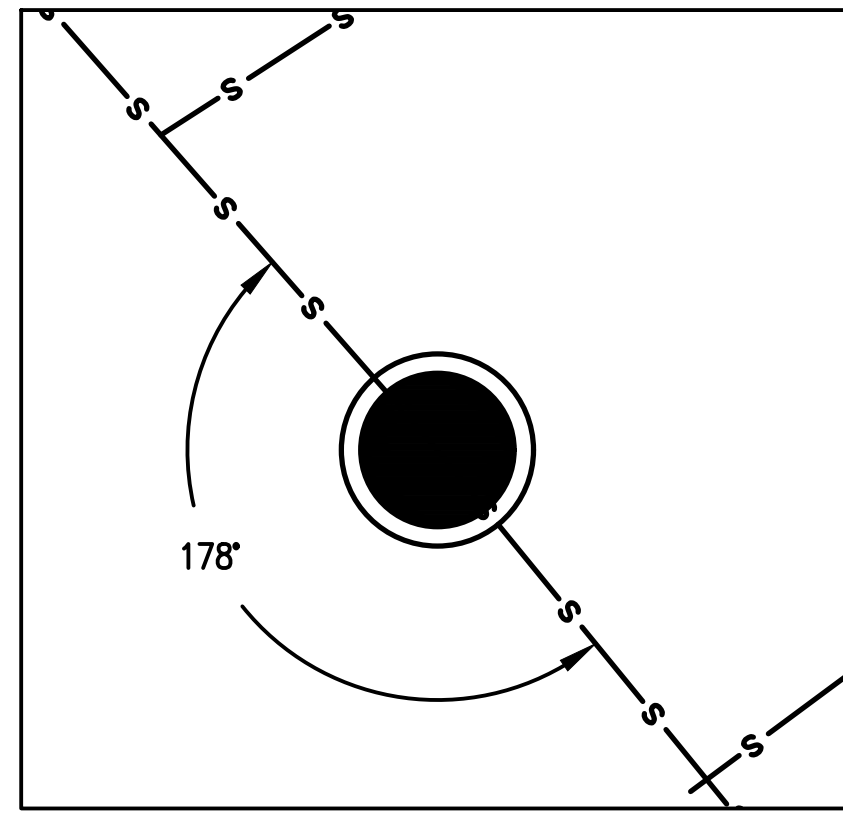
PROPOSED MANHOLE 17-01A
SEE DRAWING C1-06



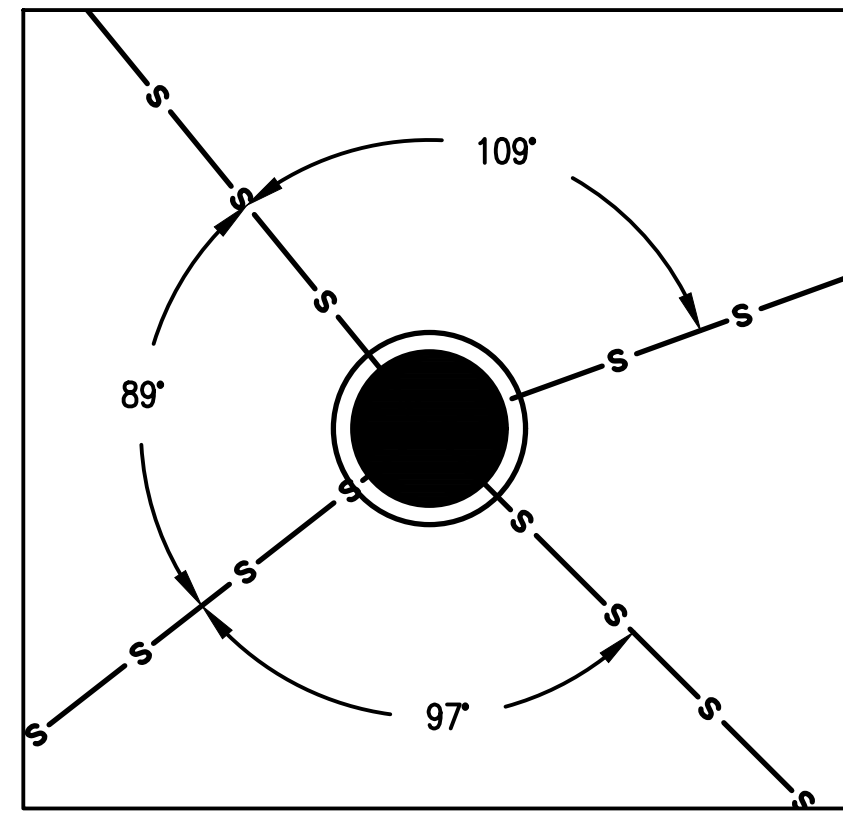
PROPOSED MANHOLE 17-02
SEE DRAWING C1-06



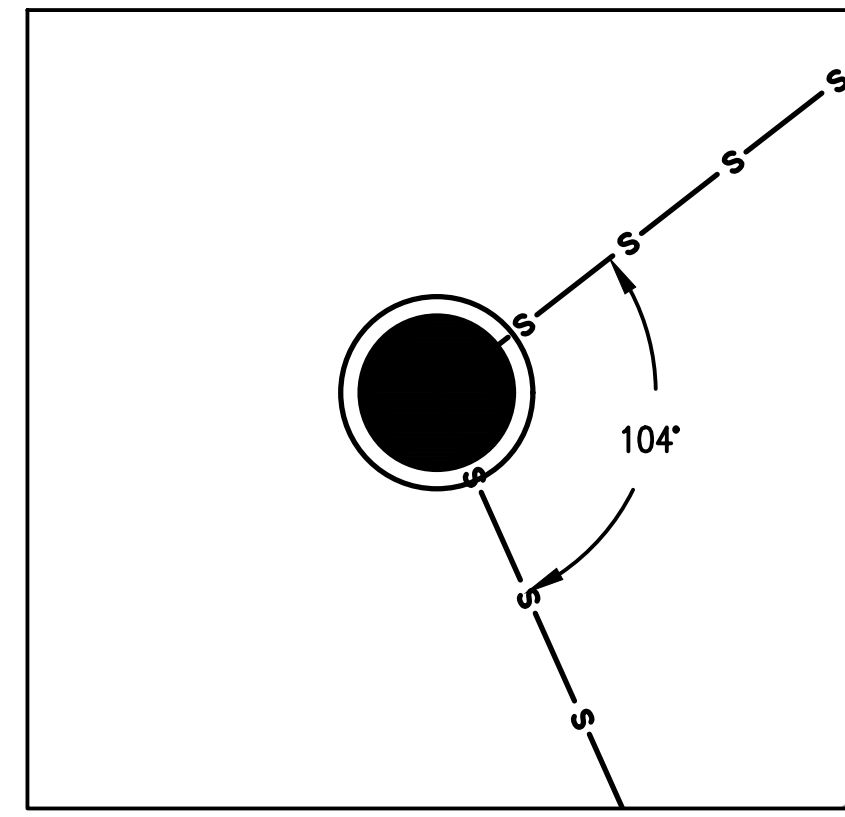
PROPOSED MANHOLE 17-03
SEE DRAWING C1-06



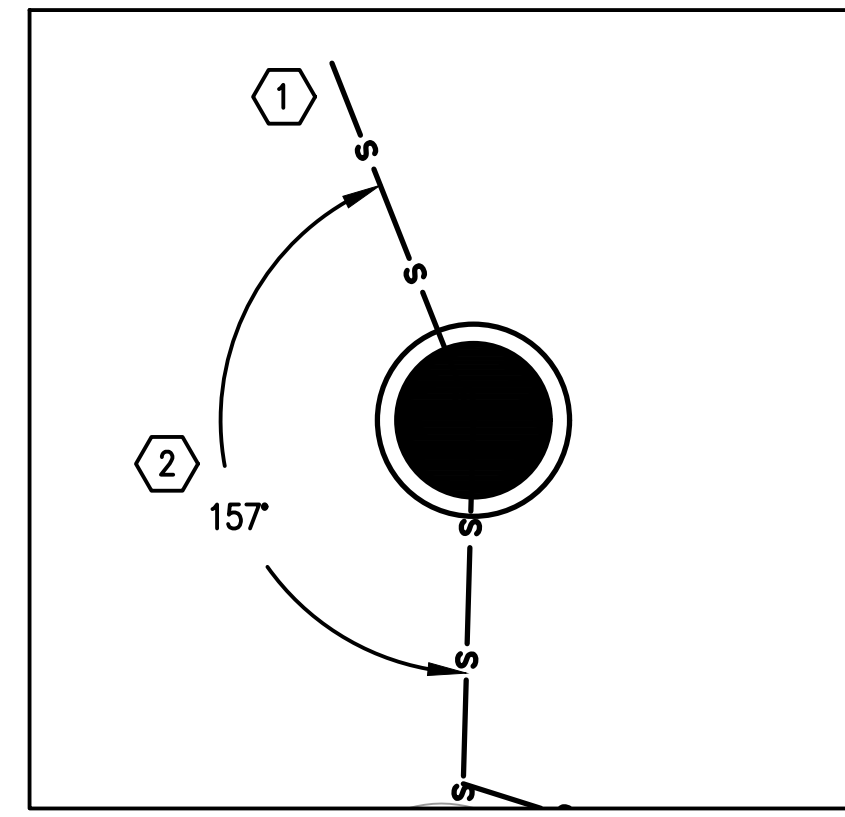
PROPOSED MANHOLE 18-01
SEE DRAWING C1-07



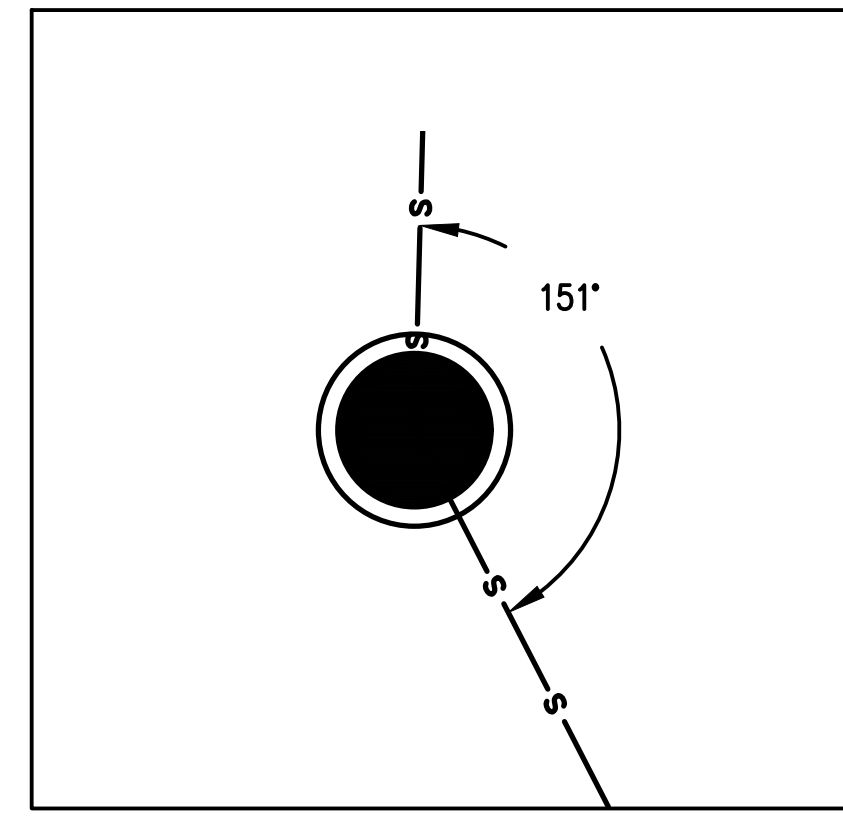
PROPOSED MANHOLE 18-02
SEE DRAWING C1-07



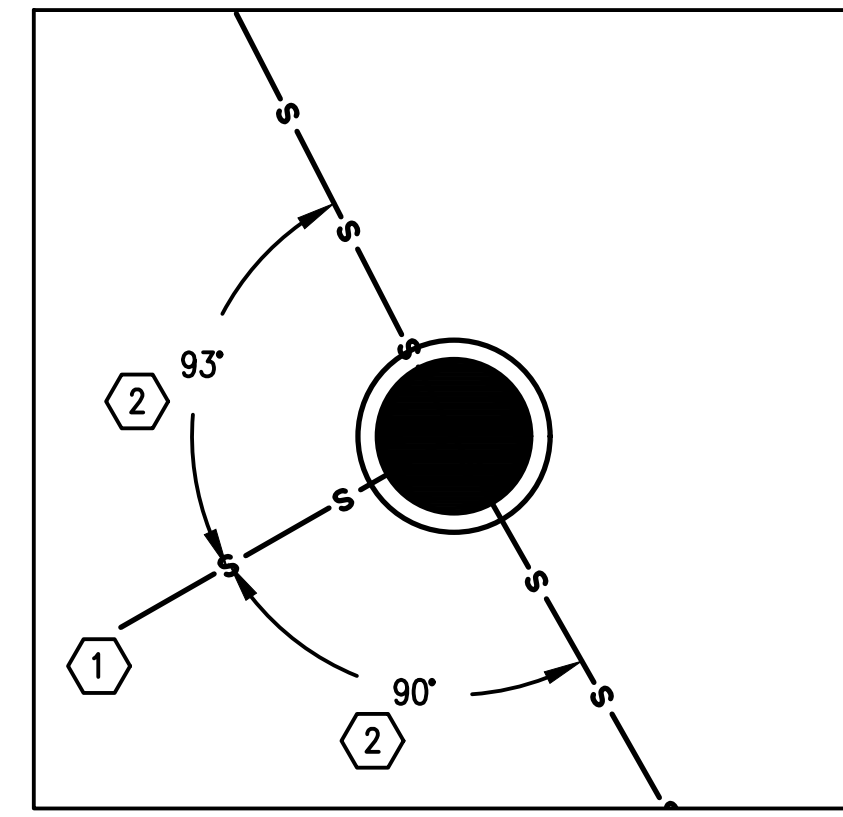
PROPOSED MANHOLE 18-03
SEE DRAWING C1-07



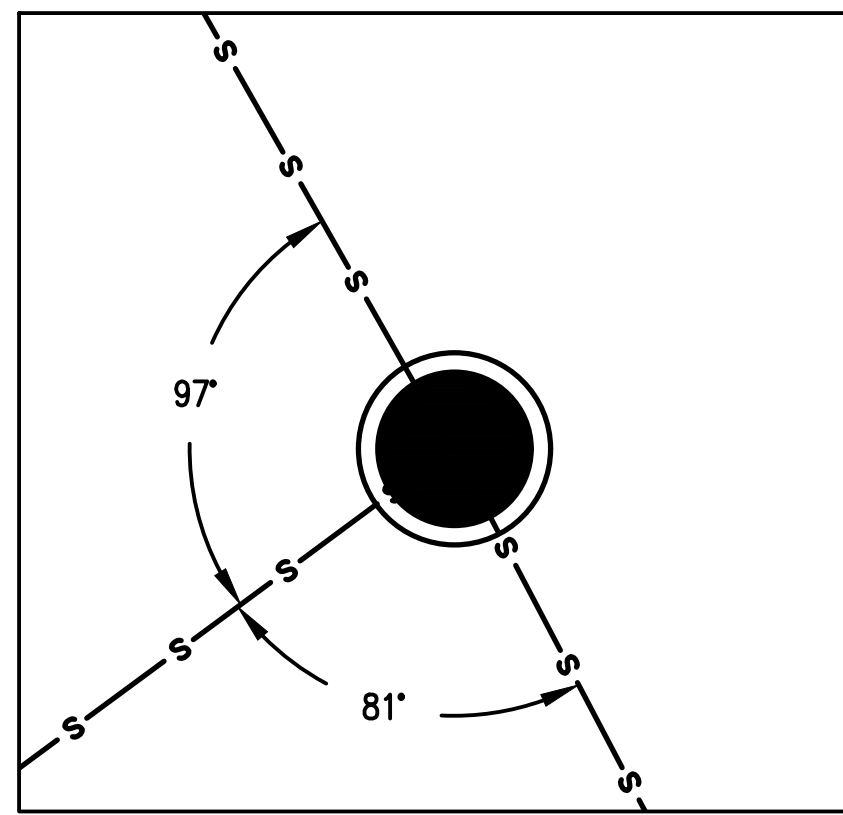
PROPOSED MANHOLE 19-01
SEE DRAWING C1-08



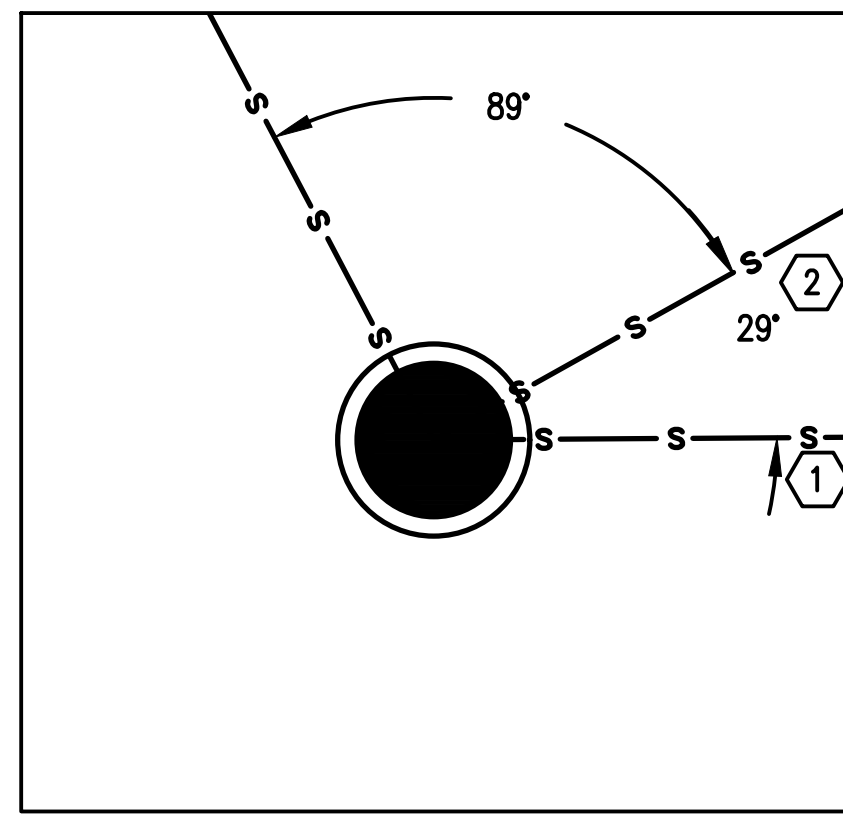
PROPOSED MANHOLE 19-02
SEE DRAWING C1-08



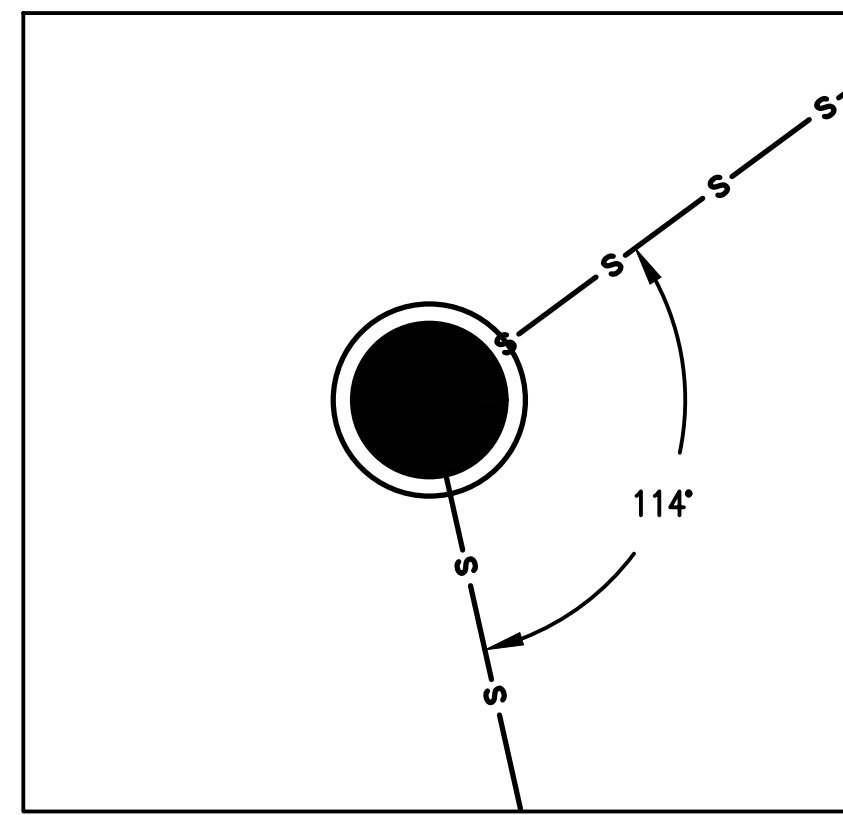
PROPOSED MANHOLE 19-03
SEE DRAWING C1-08



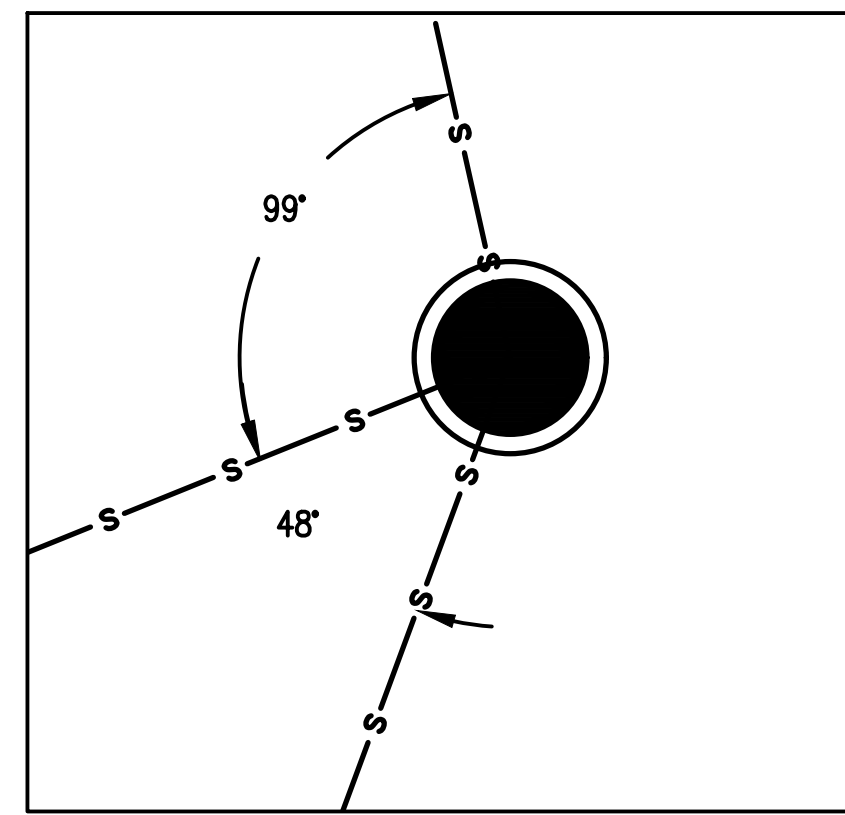
PROPOSED MANHOLE 19-04
SEE DRAWING C1-08



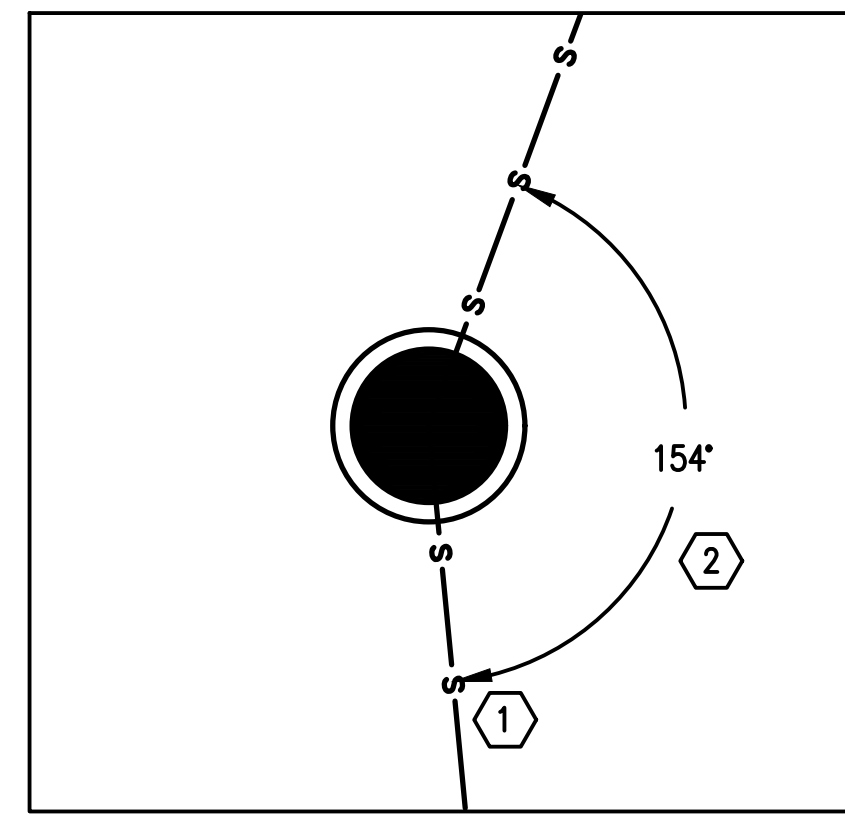
PROPOSED MANHOLE 19-04A
SEE DRAWING C1-08



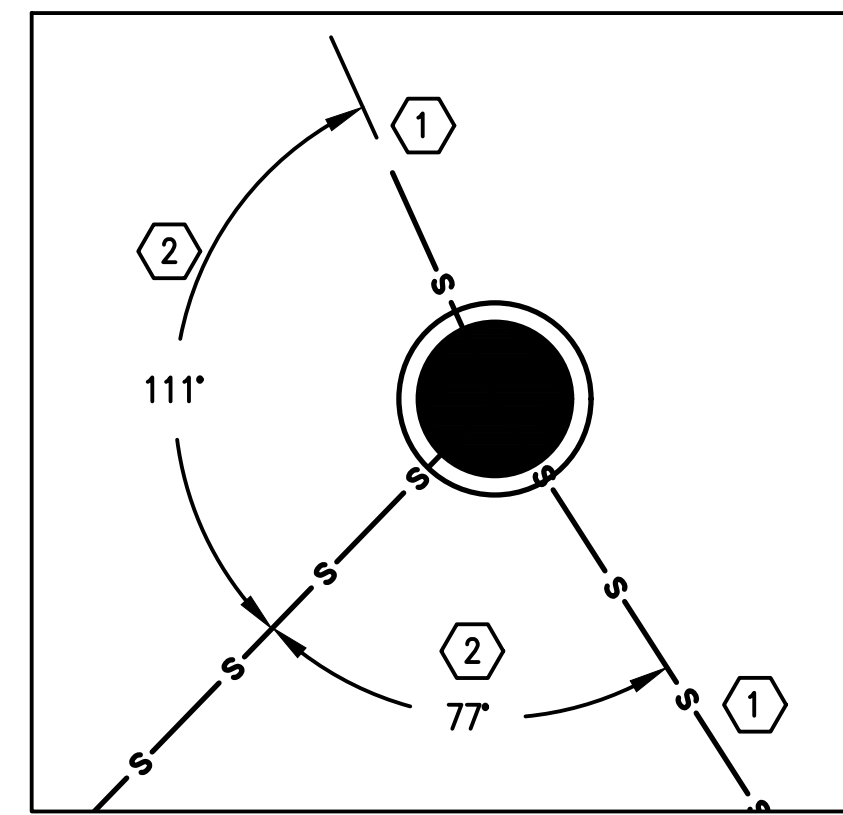
PROPOSED MANHOLE 19-05
SEE DRAWING C1-08



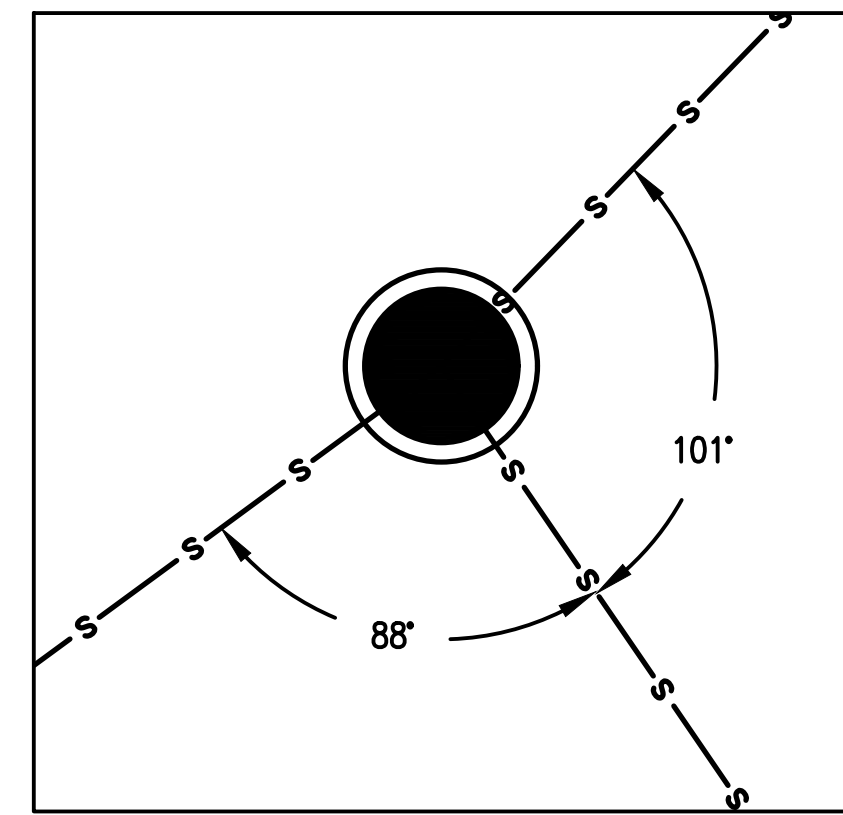
PROPOSED MANHOLE 19-06
SEE DRAWING C1-08



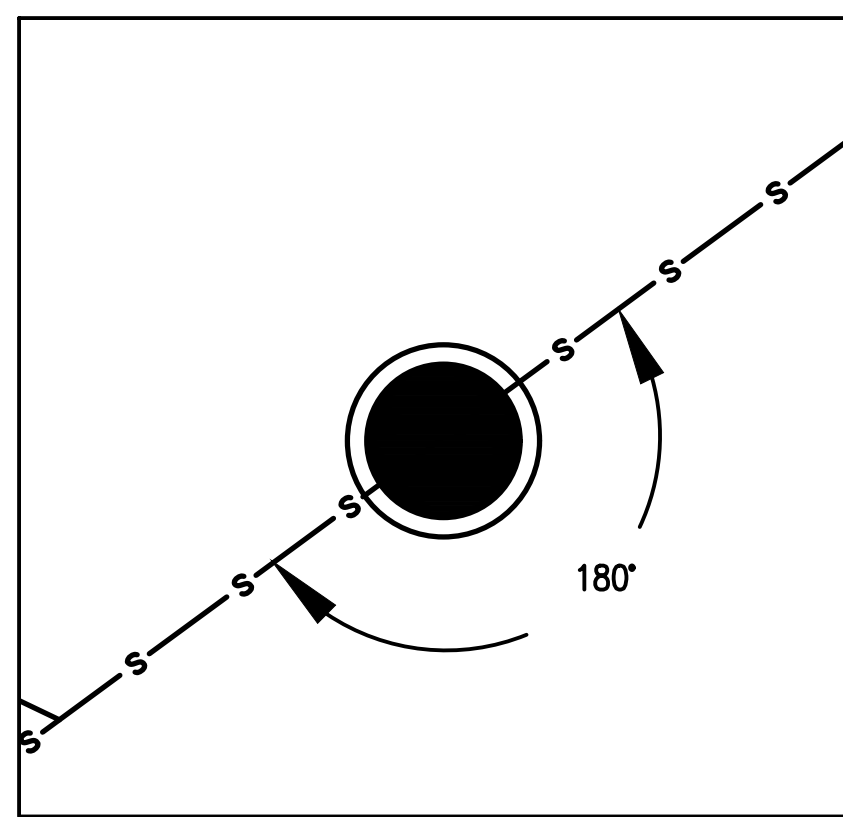
PROPOSED MANHOLE 19-07
SEE DRAWING C1-08



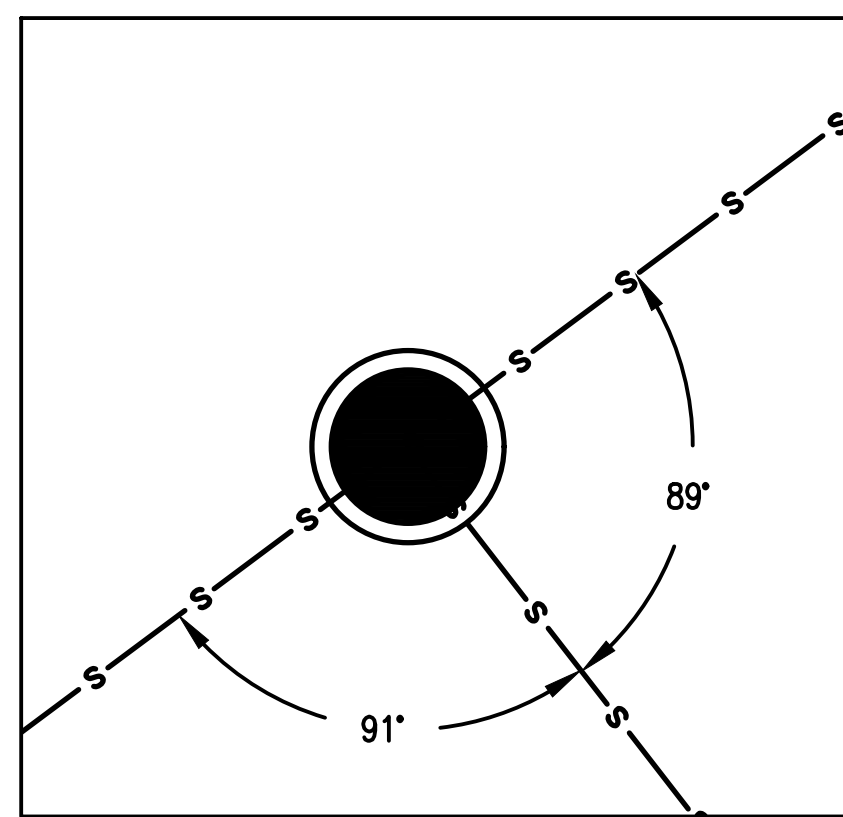
PROPOSED MANHOLE 20-01
SEE DRAWING C1-09



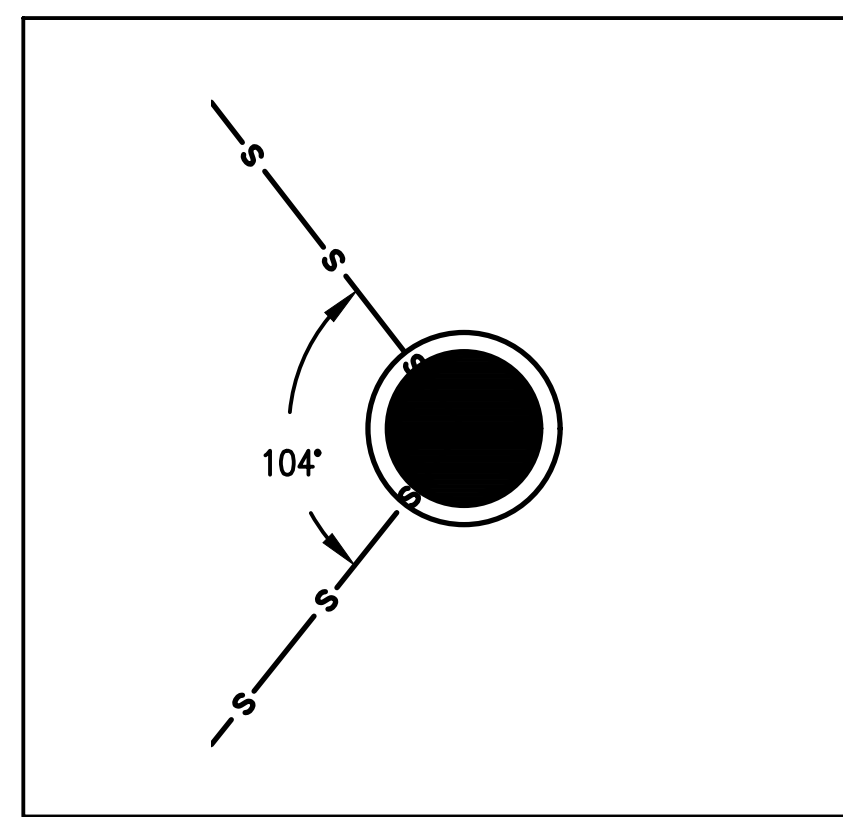
PROPOSED MANHOLE 20-02
SEE DRAWING C1-09



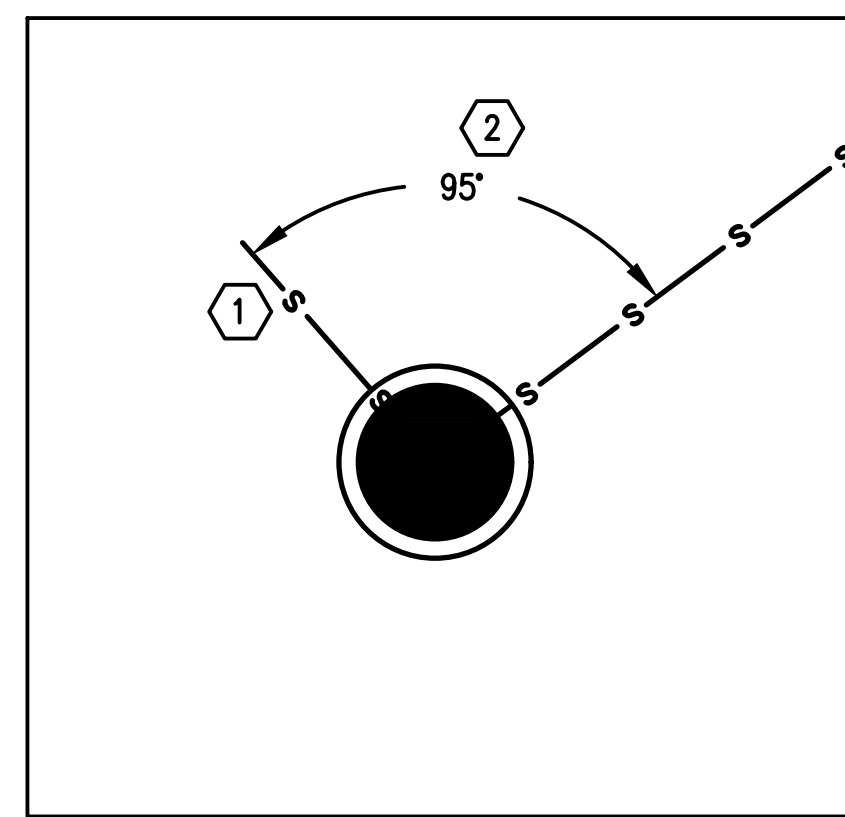
PROPOSED MANHOLE 20-02A
SEE DRAWING C1-09



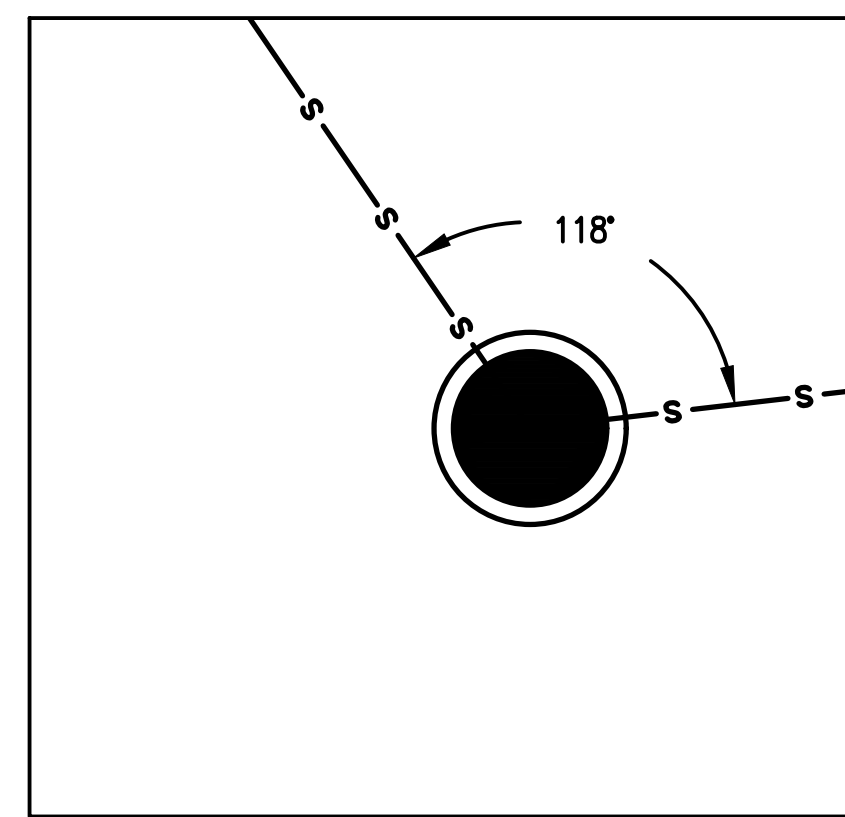
PROPOSED MANHOLE 20-02B
SEE DRAWING C1-09



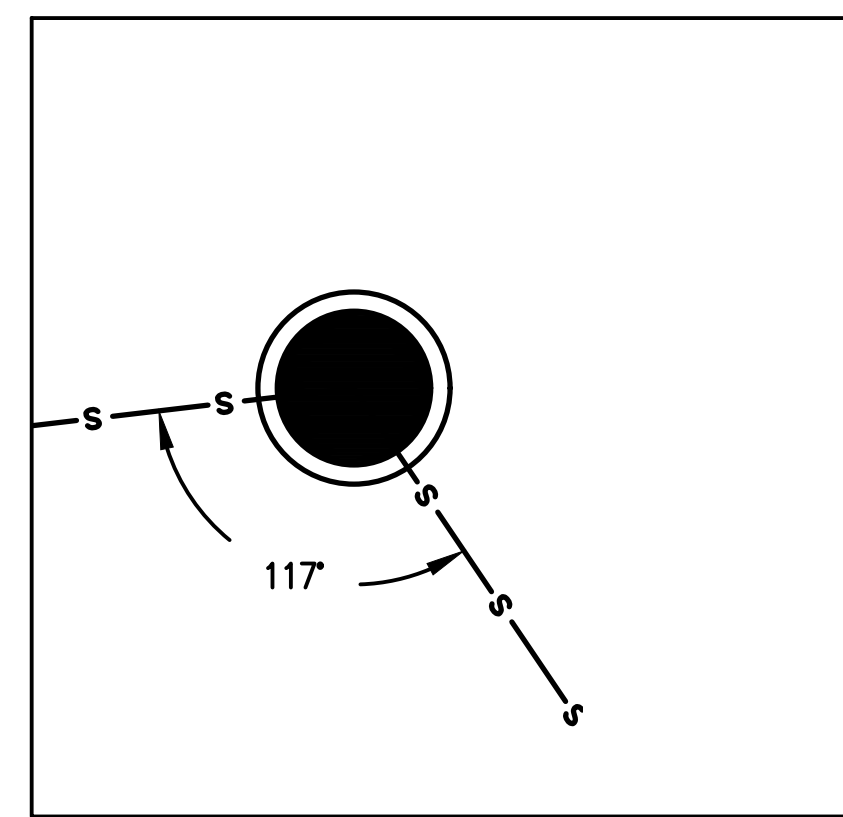
PROPOSED MANHOLE 20-02B1
SEE DRAWING C1-09



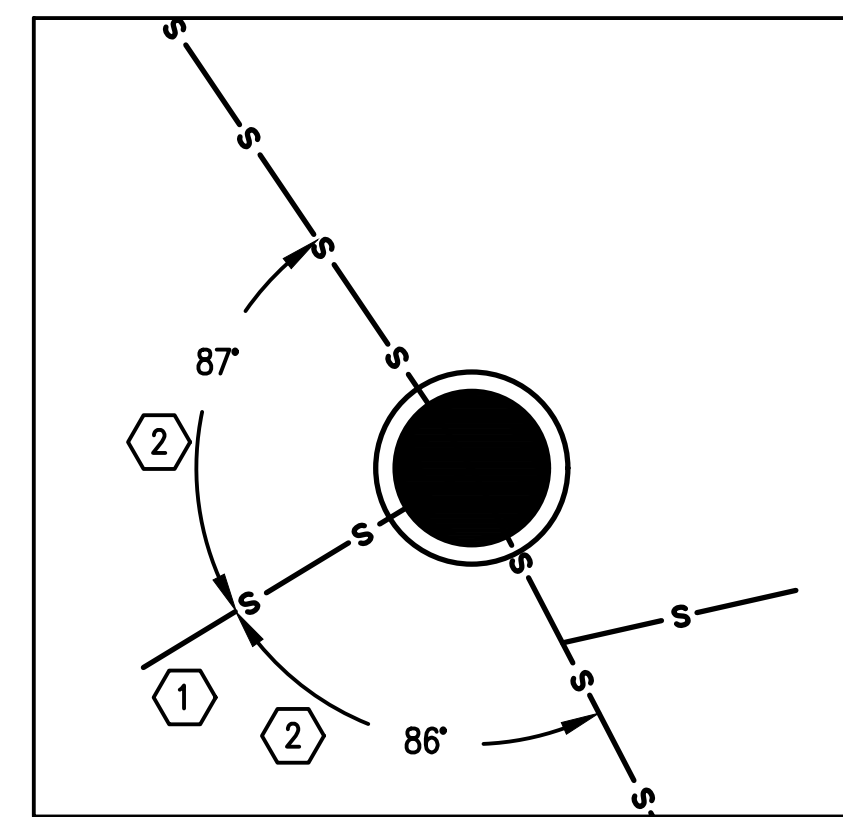
PROPOSED MANHOLE 20-02C
SEE DRAWING C1-09



PROPOSED MANHOLE 20-03
SEE DRAWING C1-09



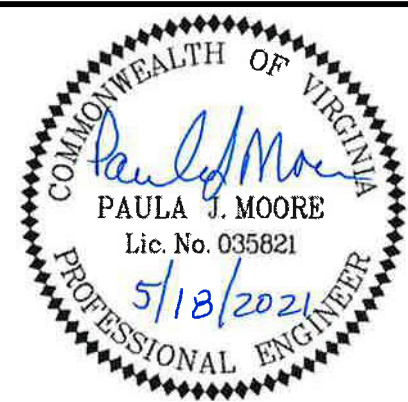
PROPOSED MANHOLE 20-04
SEE DRAWING C1-09



PROPOSED MANHOLE 21-01
SEE DRAWING C1-10

NOTES:

- ① CONNECTION TO EXISTING SEWER MAIN/LATERAL.
- ② ANGLE SHOWN IS APPROXIMATE. CONTRACTOR TO FIELD CONFIRM LOCATION FOR TIE-IN TO EXISTING SEWER MAIN/LATERAL PRIOR TO SHOP DRAWING DEVELOPMENT AND MANUFACTURE OF MANHOLE.



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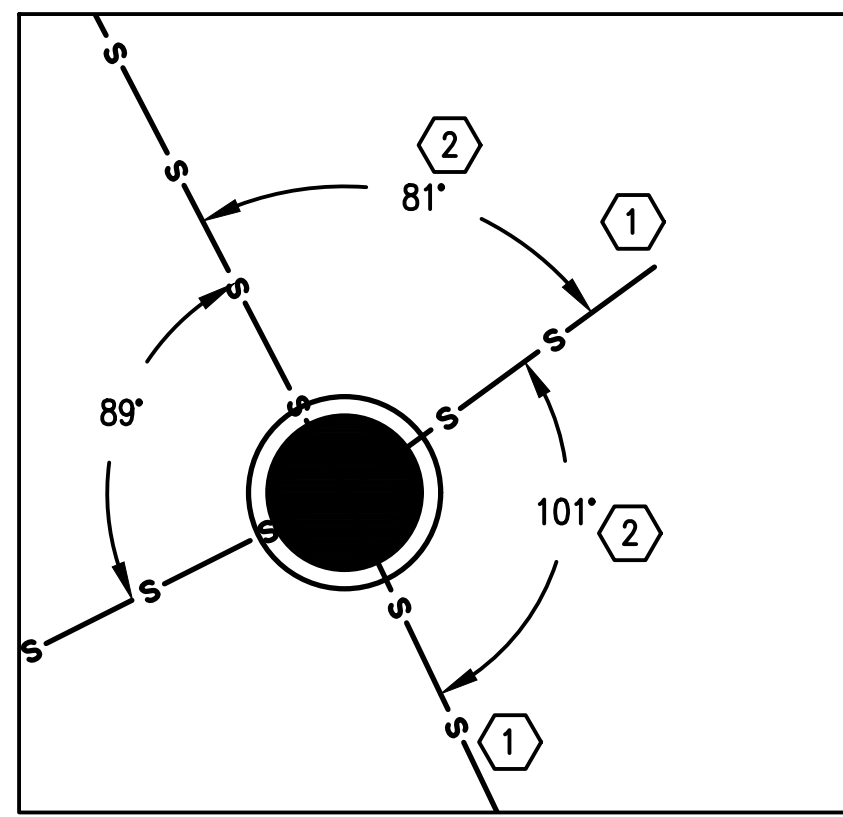
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CHECK: GWF
DATE: 05/18/21

SCALE: N/A
HORIZ: N/A
VERT: N/A

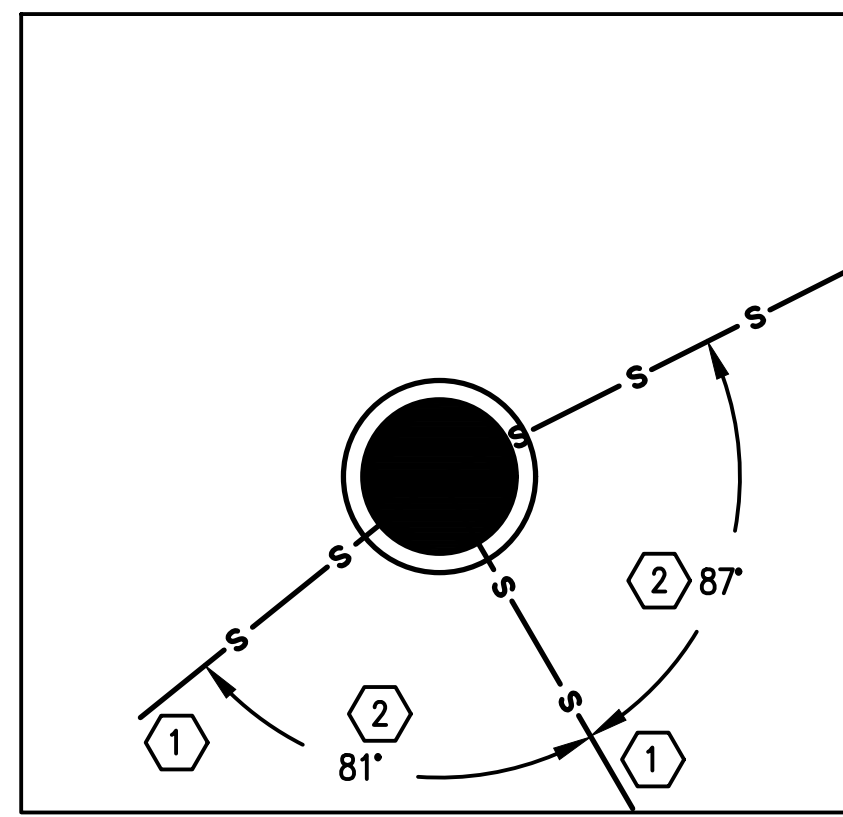
DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

SANITARY SEWER
MANHOLE DETAILS

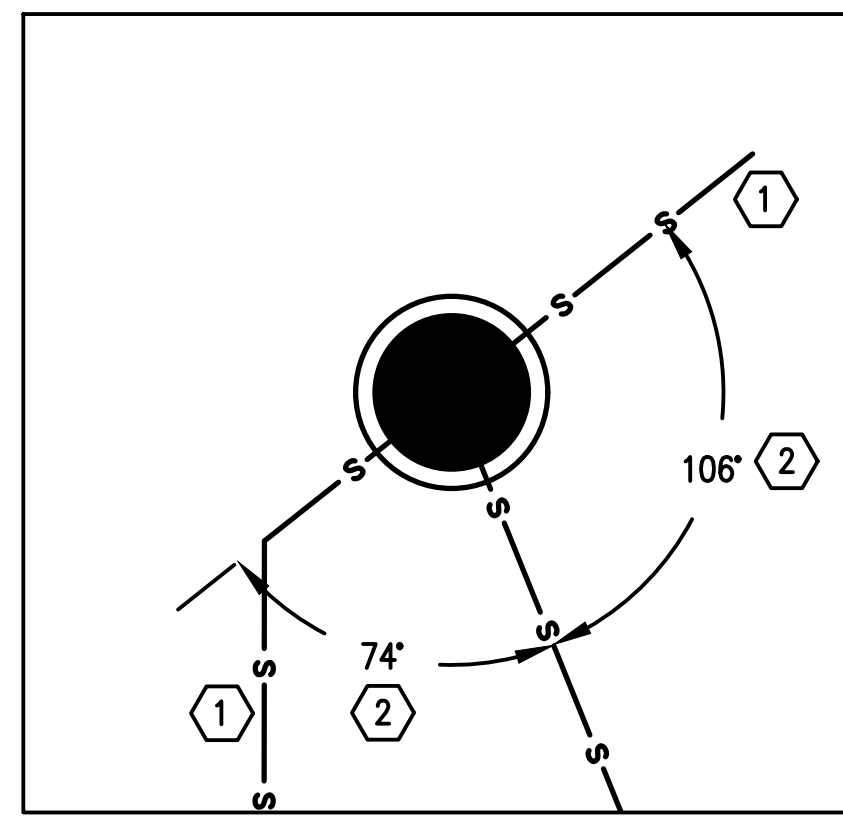
REV	DATE	DESCRIPTION	DRAWING	SHEET
			C1-26	37



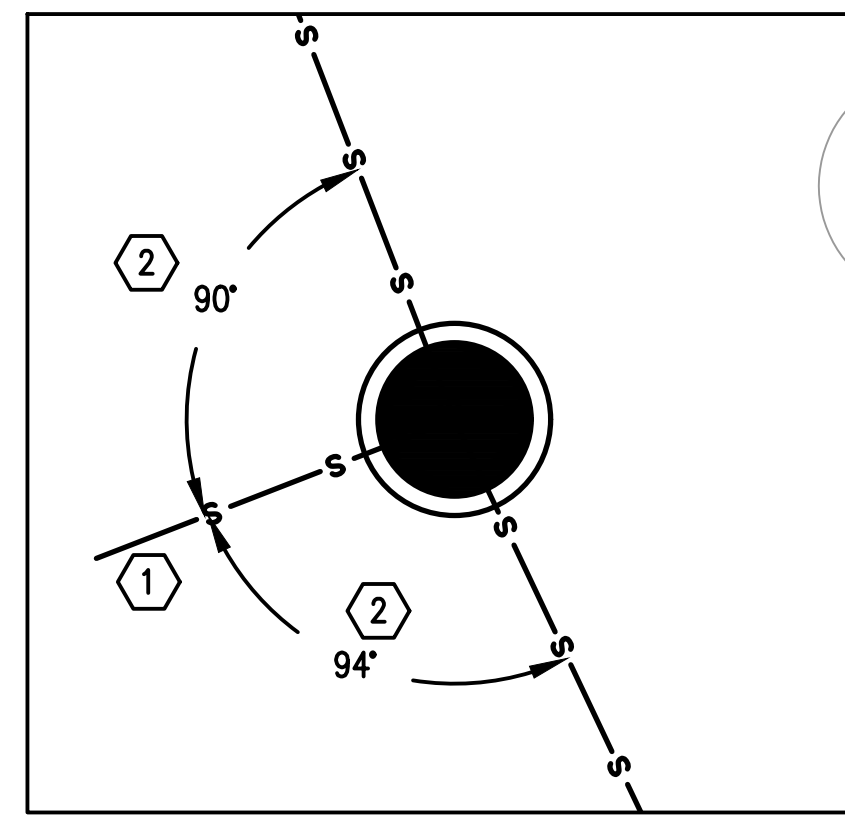
PROPOSED MANHOLE 21-03
SEE DRAWING C1-10



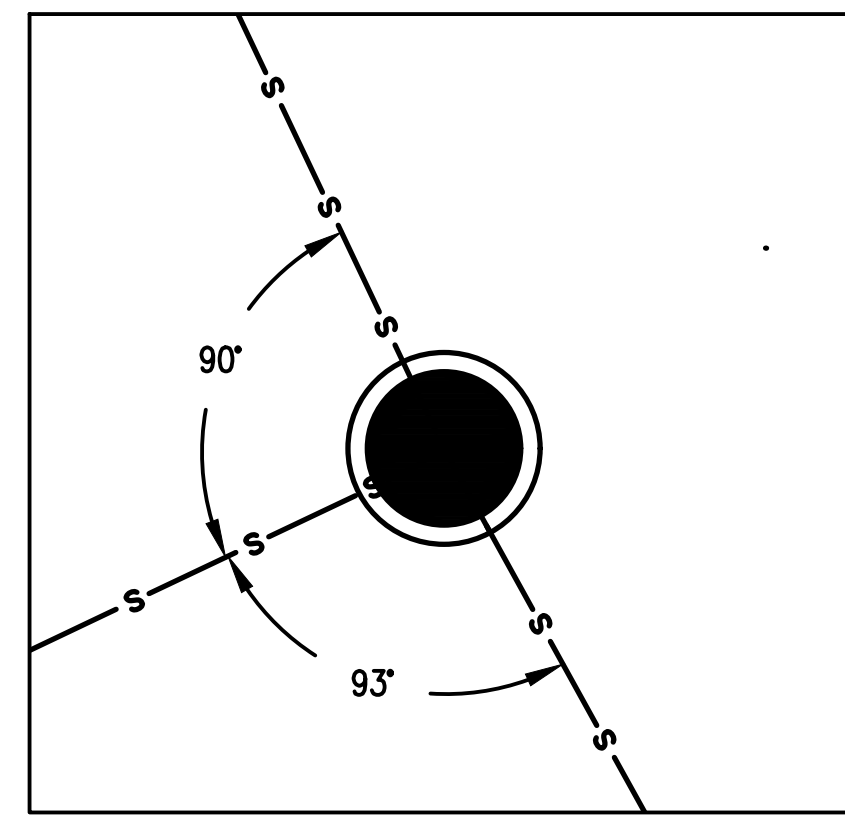
PROPOSED MANHOLE 21-02A
SEE DRAWING C1-10



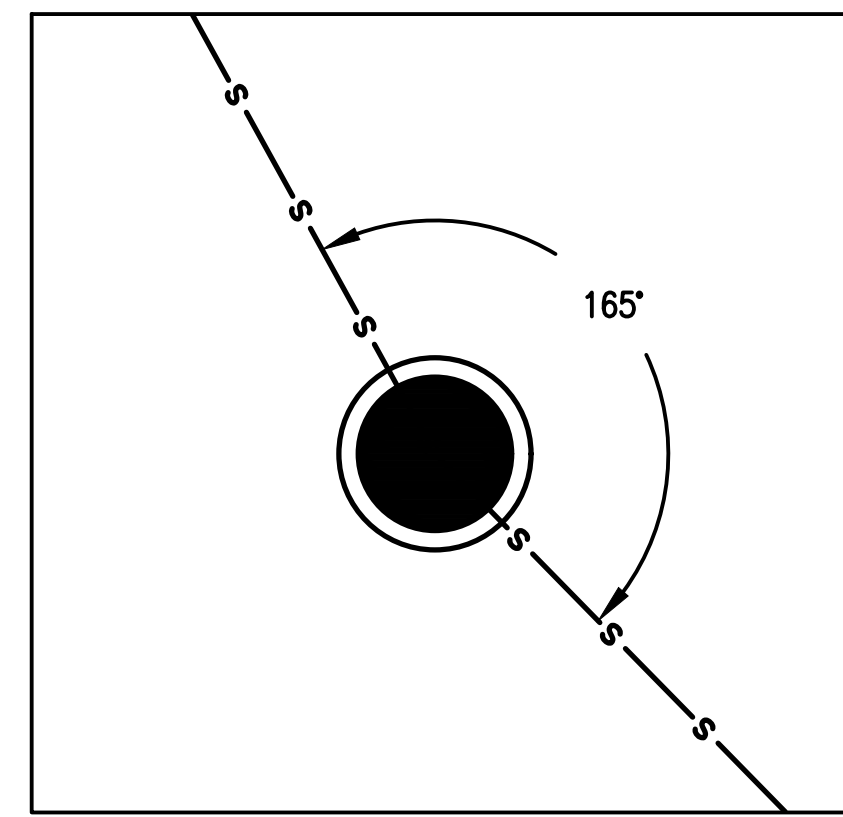
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SEE DRAWING C1-10



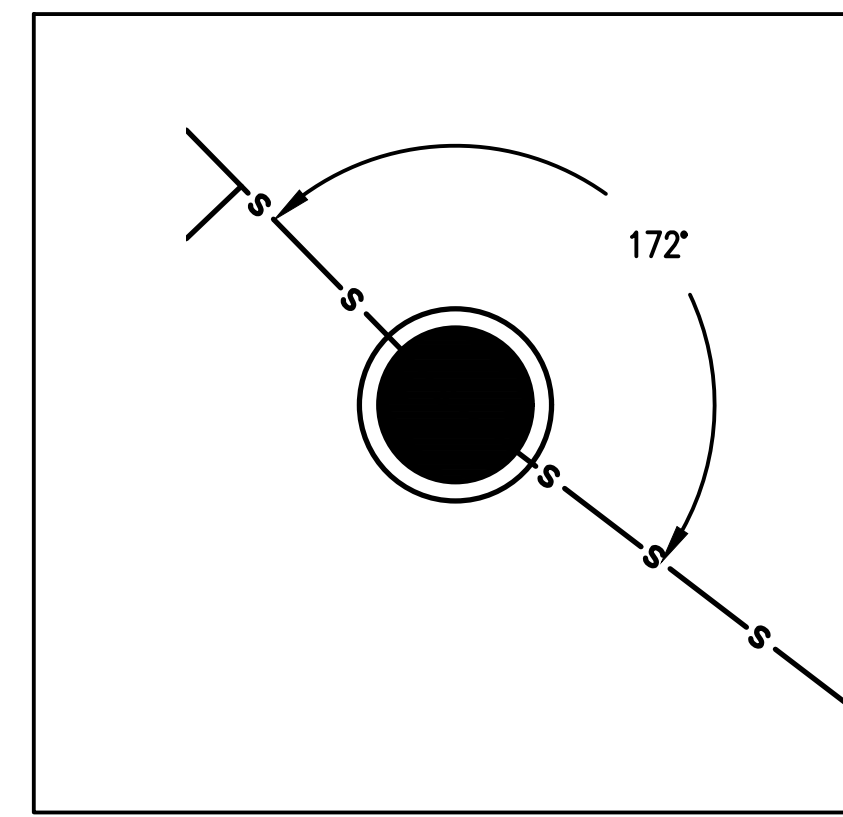
PROPOSED MANHOLE 21-05
SEE DRAWING C1-10



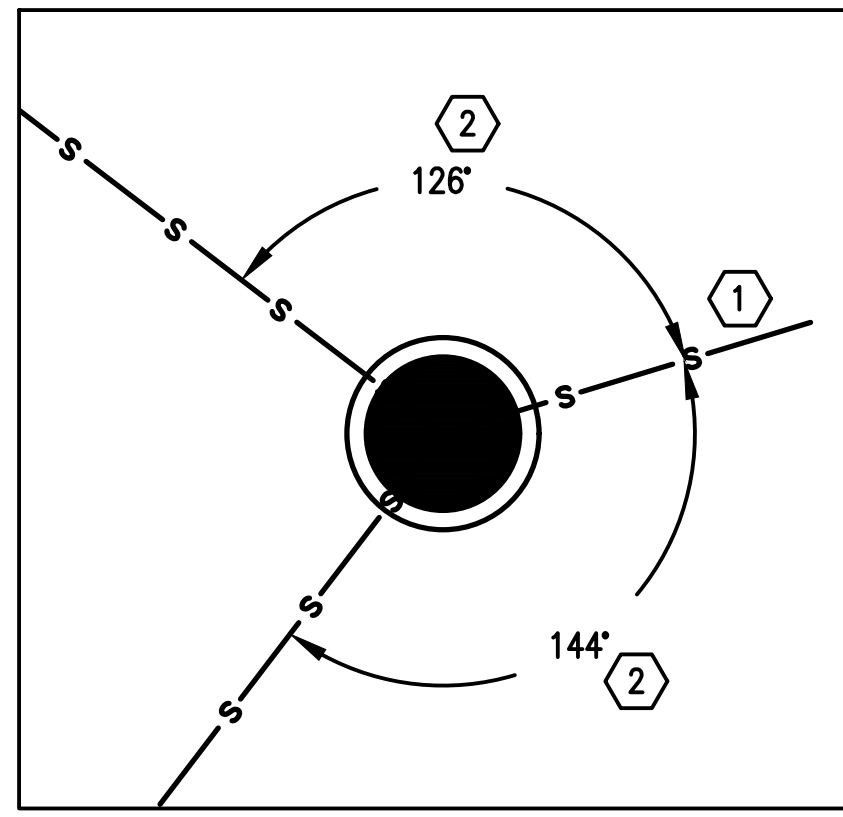
PROPOSED MANHOLE 22-01
SEE DRAWING C1-11



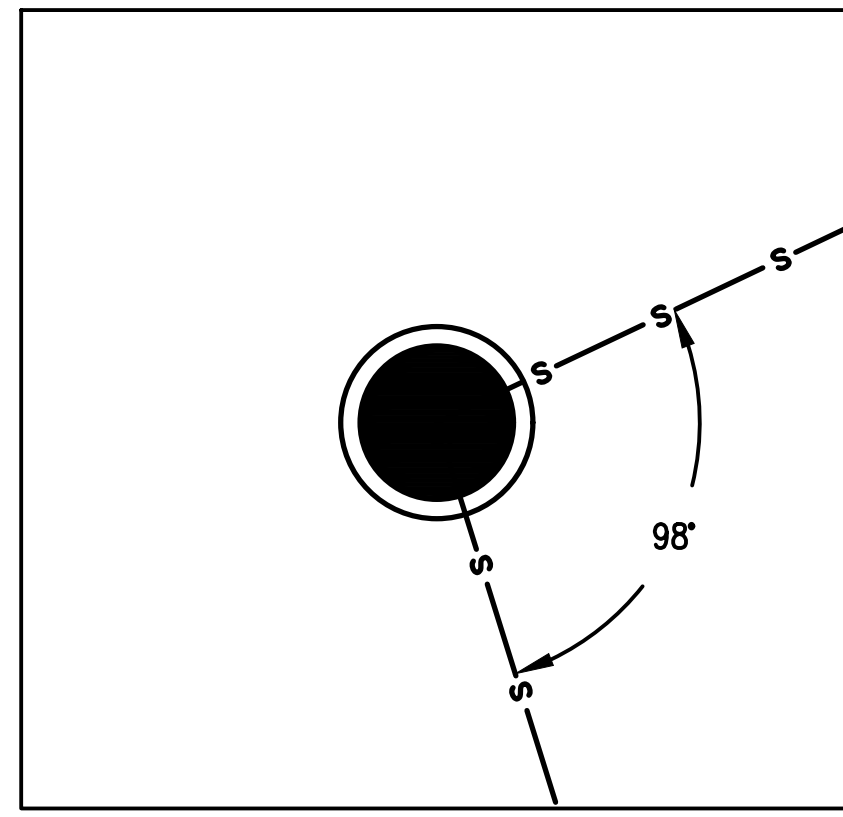
PROPOSED MANHOLE 22-02
SEE DRAWING C1-11



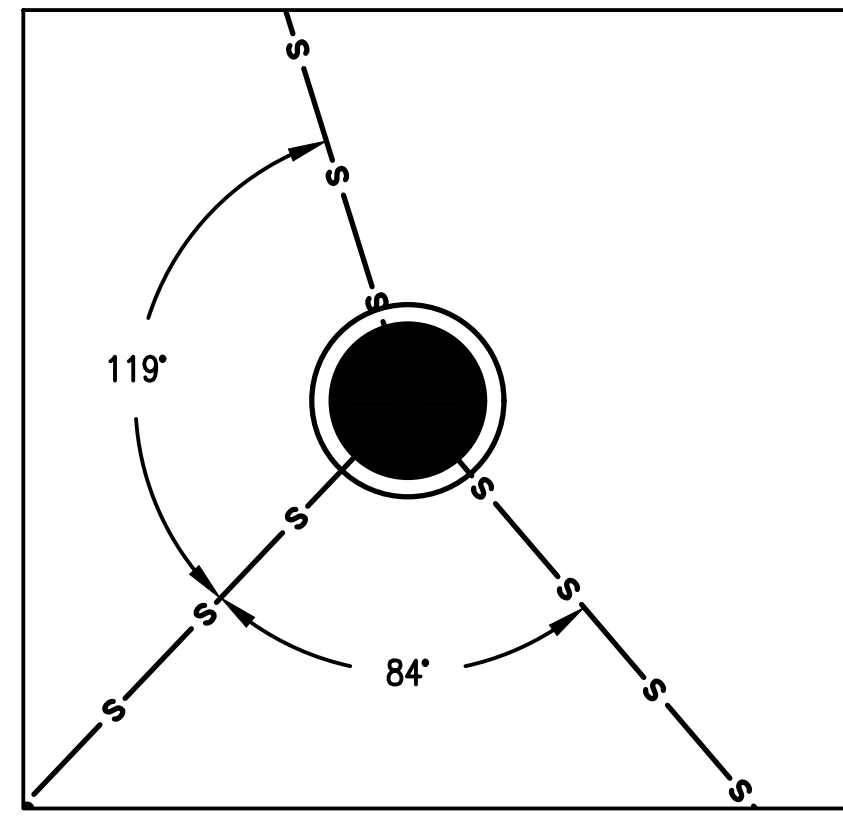
PROPOSED MANHOLE 22-03
SEE DRAWING C1-11



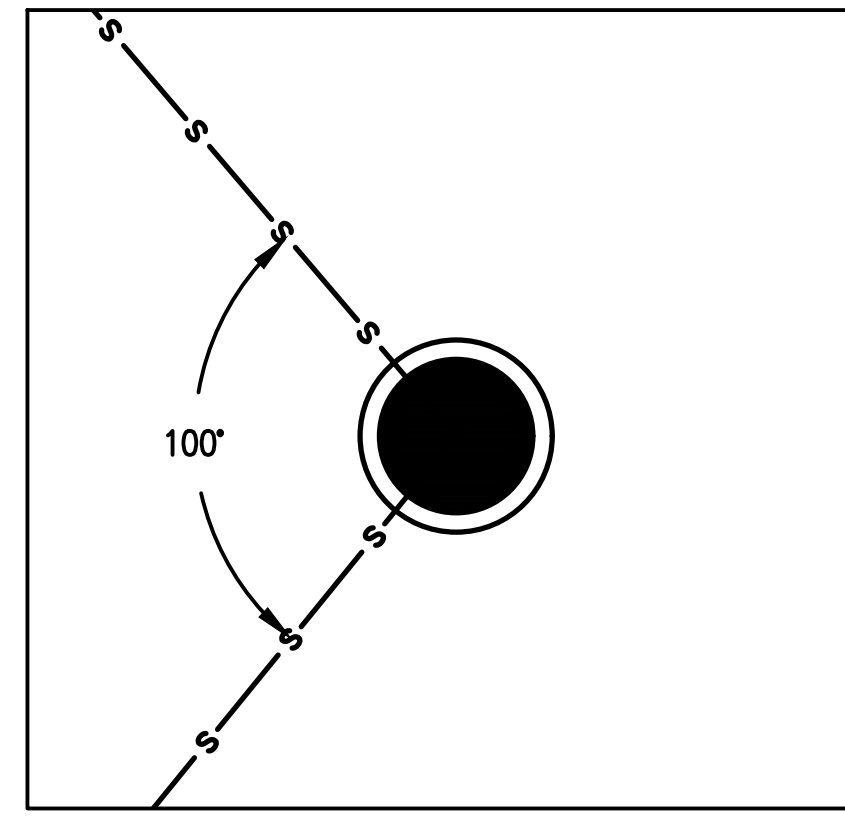
PROPOSED MANHOLE 22-04
SEE DRAWING C1-11



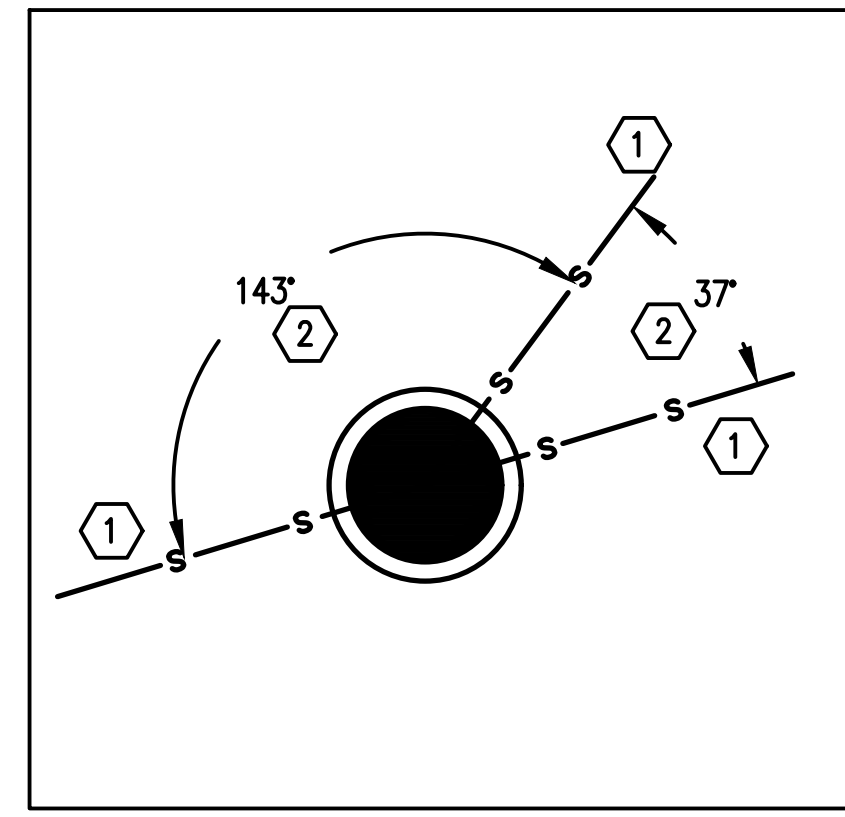
PROPOSED MANHOLE 22-01A
SEE DRAWING C1-11



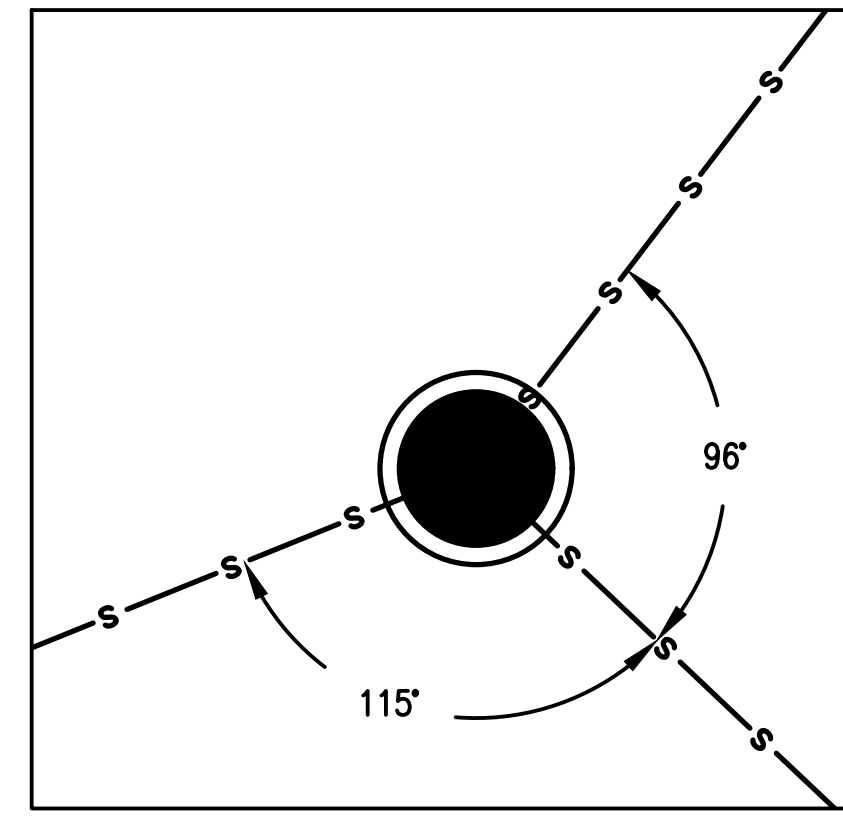
PROPOSED MANHOLE 22-01B
SEE DRAWING C1-11



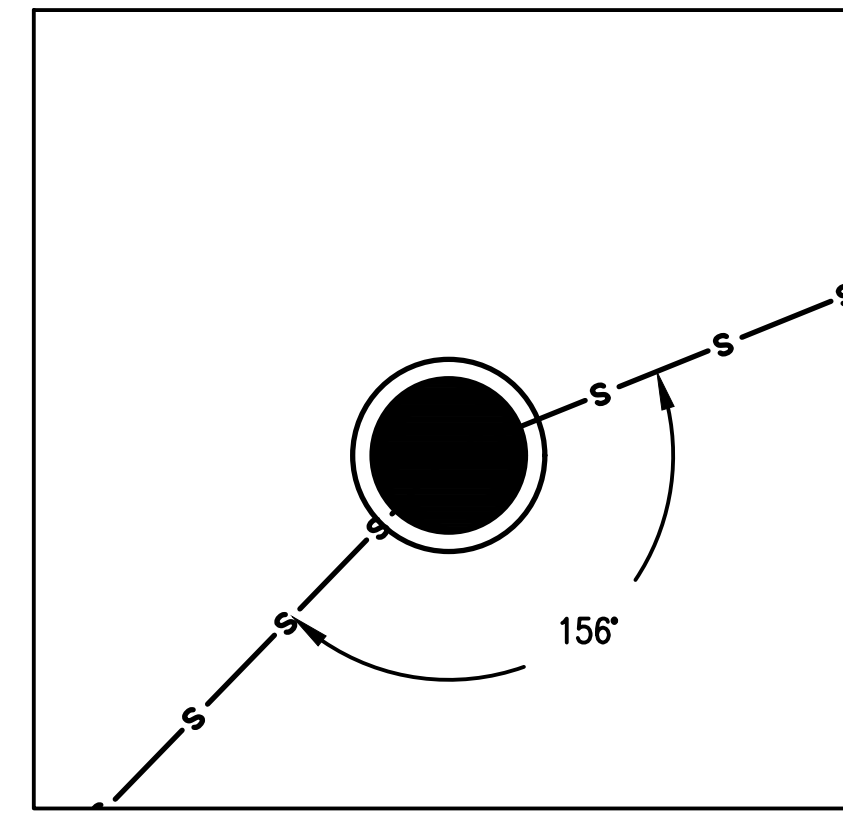
PROPOSED MANHOLE 22-01C
SEE DRAWING C1-11



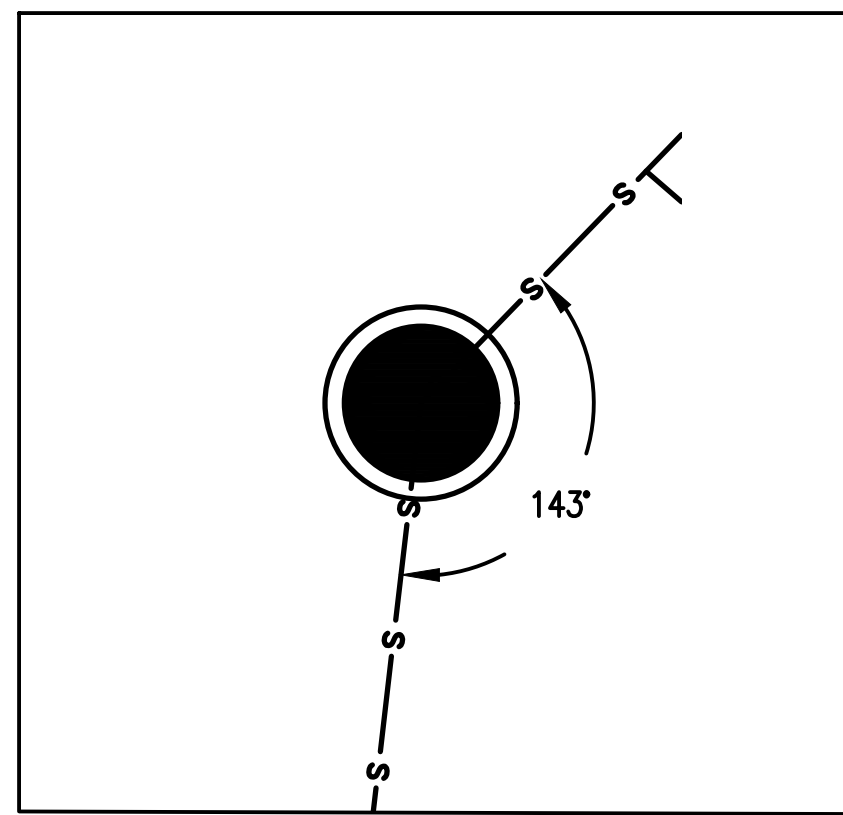
PROPOSED MANHOLE 22-04A
SEE DRAWING C1-11



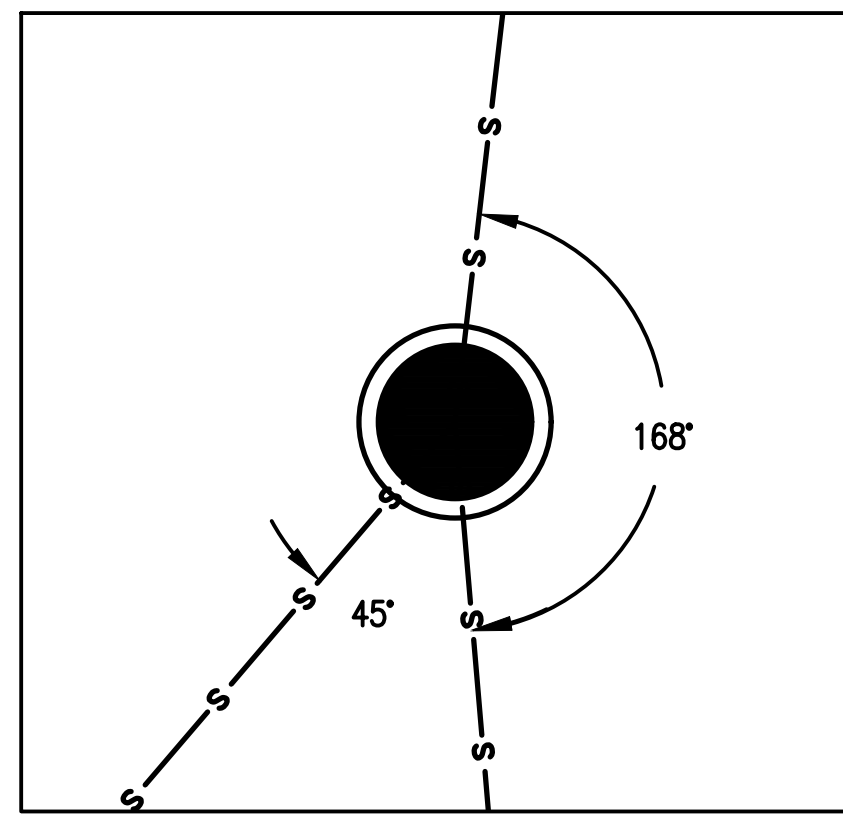
PROPOSED MANHOLE 23-01
SEE DRAWING C1-12



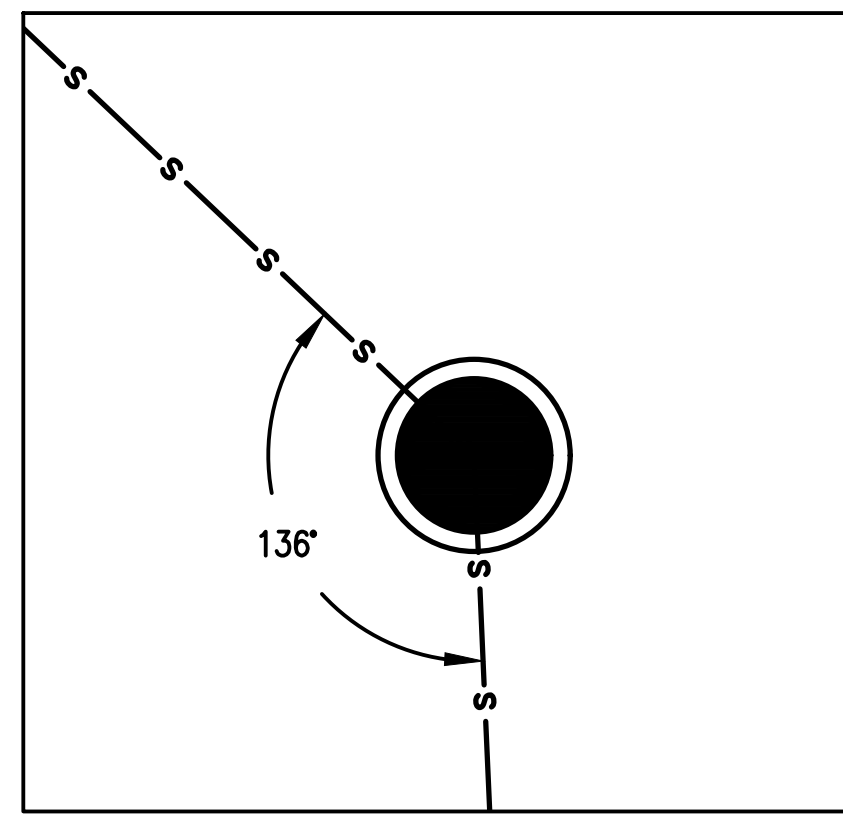
PROPOSED MANHOLE 23-02
SEE DRAWING C1-12



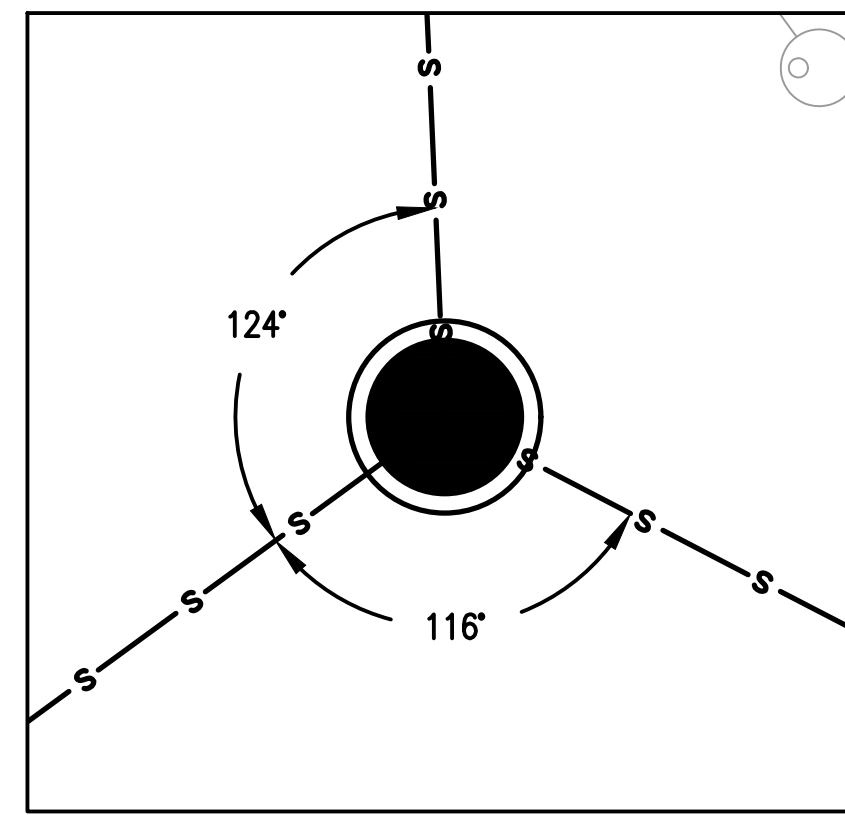
PROPOSED MANHOLE 23-03
SEE DRAWING C1-12



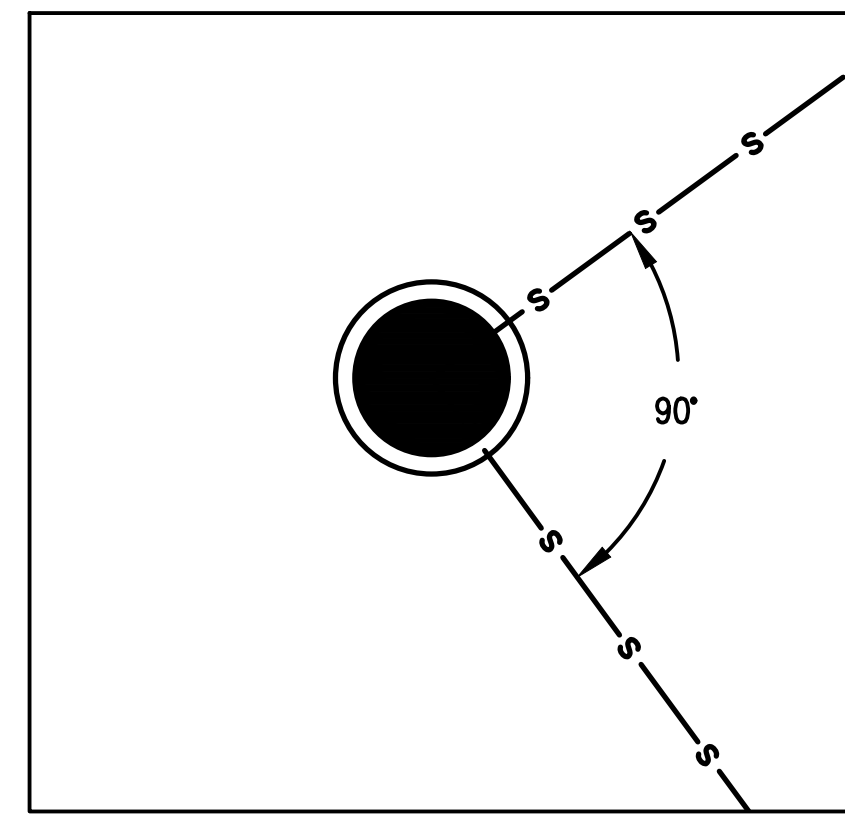
PROPOSED MANHOLE 23-04
SEE DRAWING C1-12



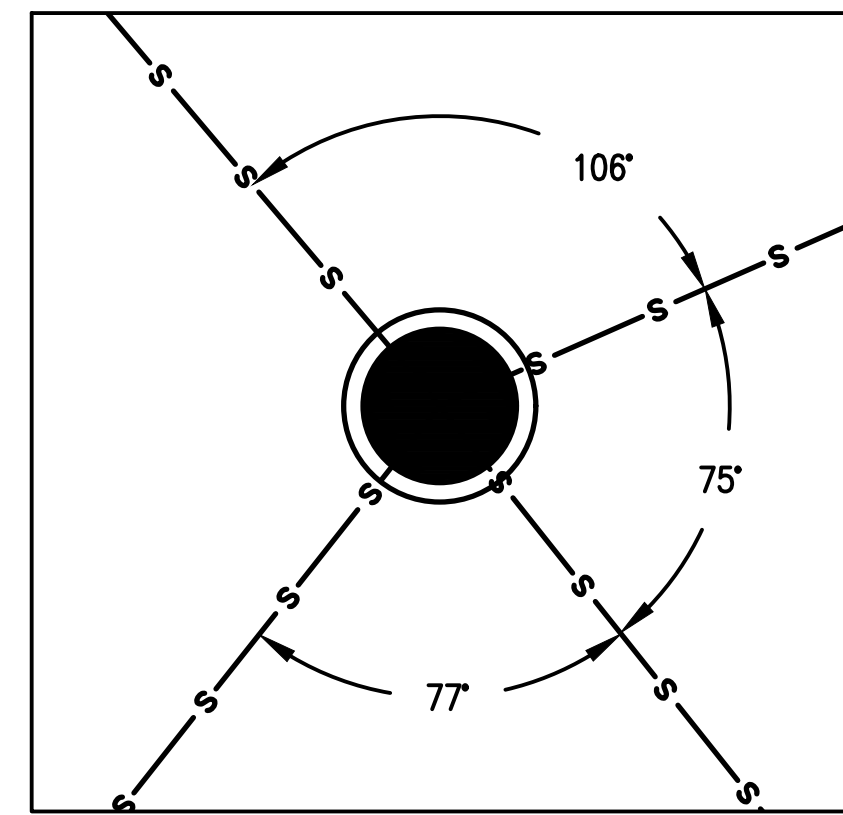
PROPOSED MANHOLE 23-01A
SEE DRAWING C1-12



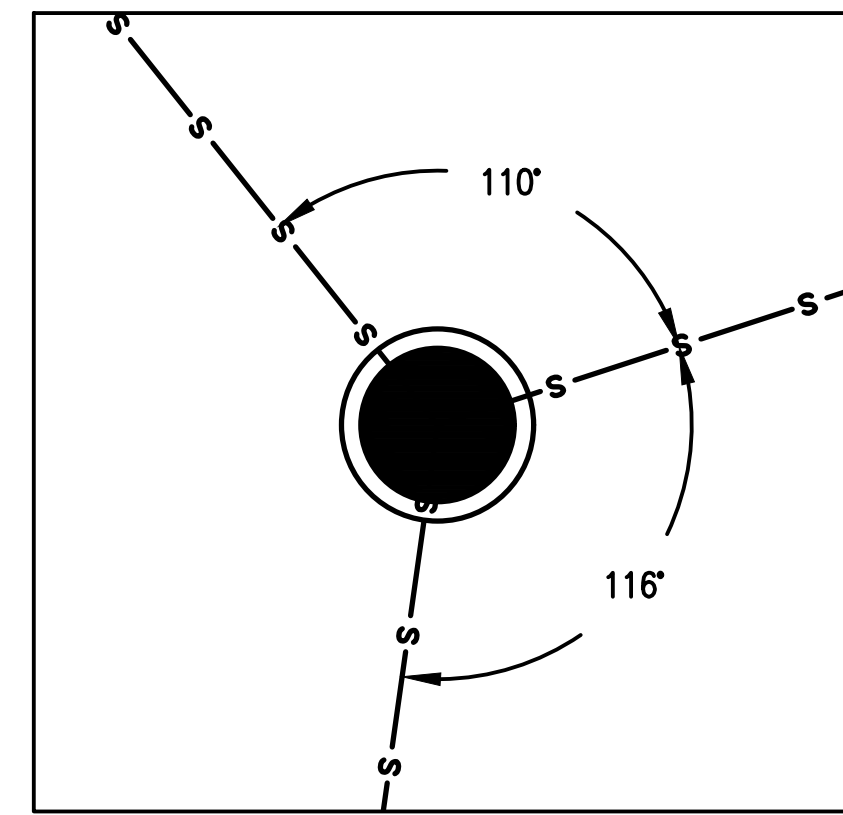
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SEE DRAWING C1-12



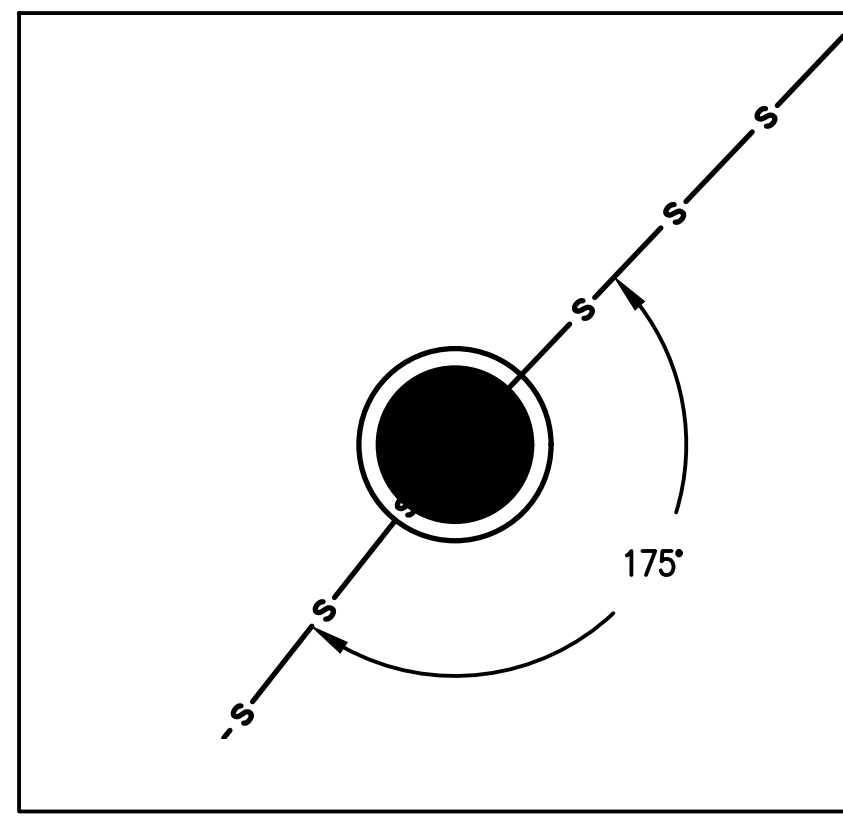
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SEE DRAWING C1-12



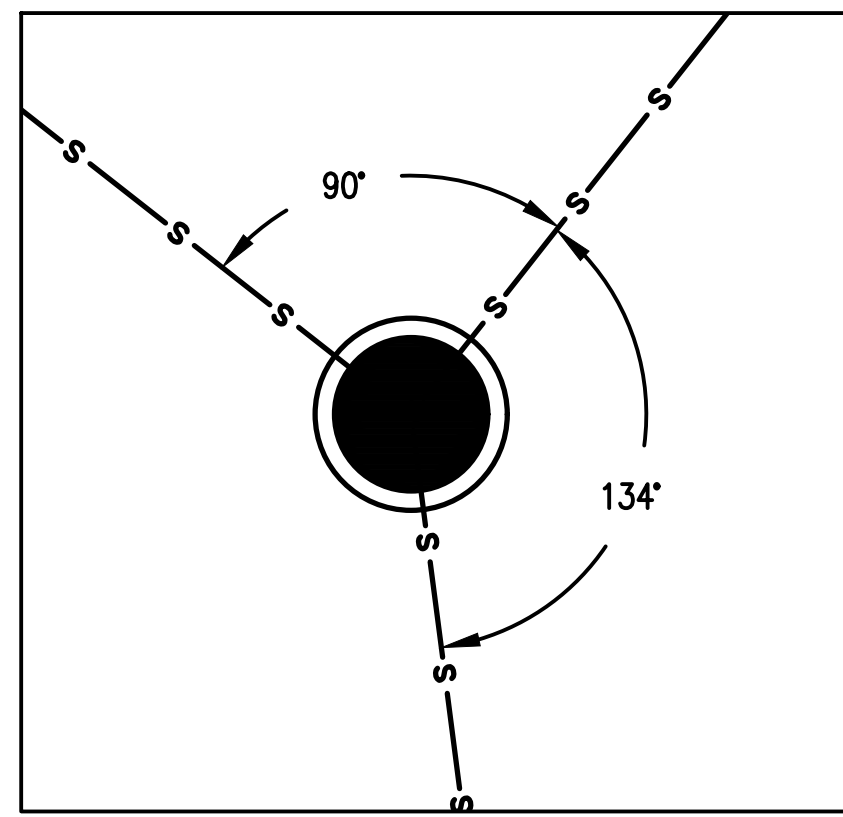
PROPOSED MANHOLE 23-05
SEE DRAWING C1-12



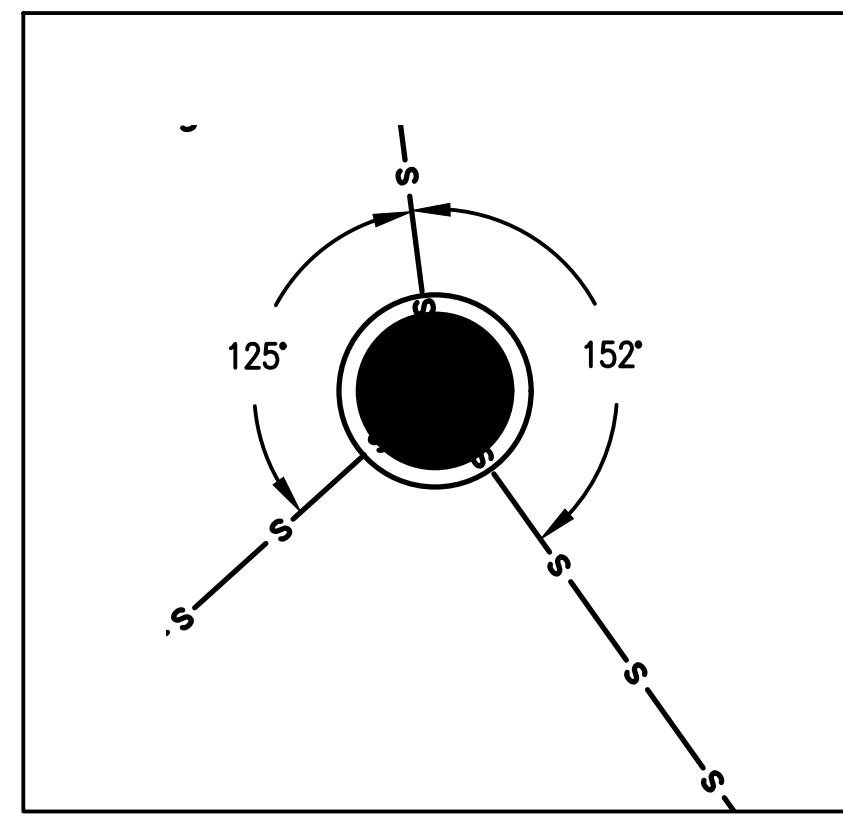
PROPOSED MANHOLE 23-06
SEE DRAWING C1-12



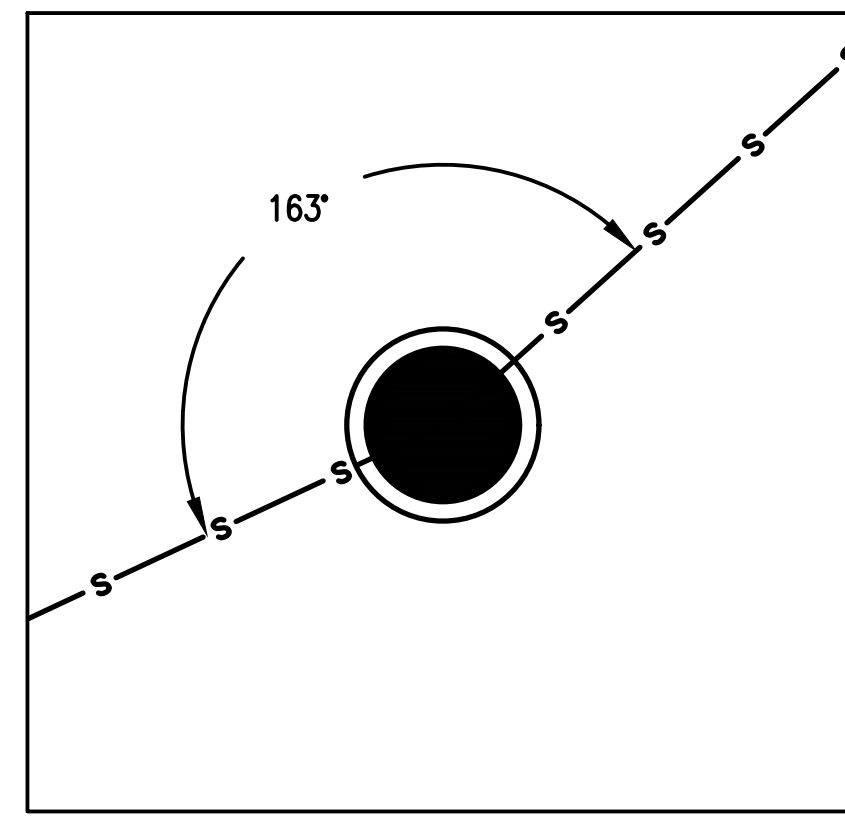
PROPOSED MANHOLE 24-01
SEE DRAWING C1-13



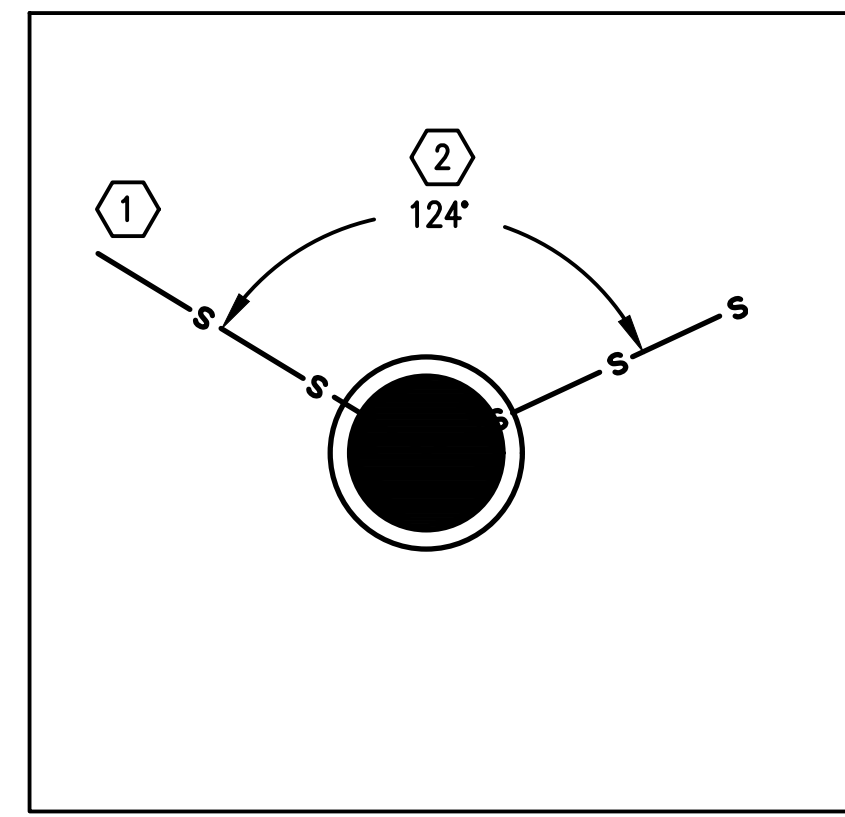
PROPOSED MANHOLE 24-02
SEE DRAWING C1-13



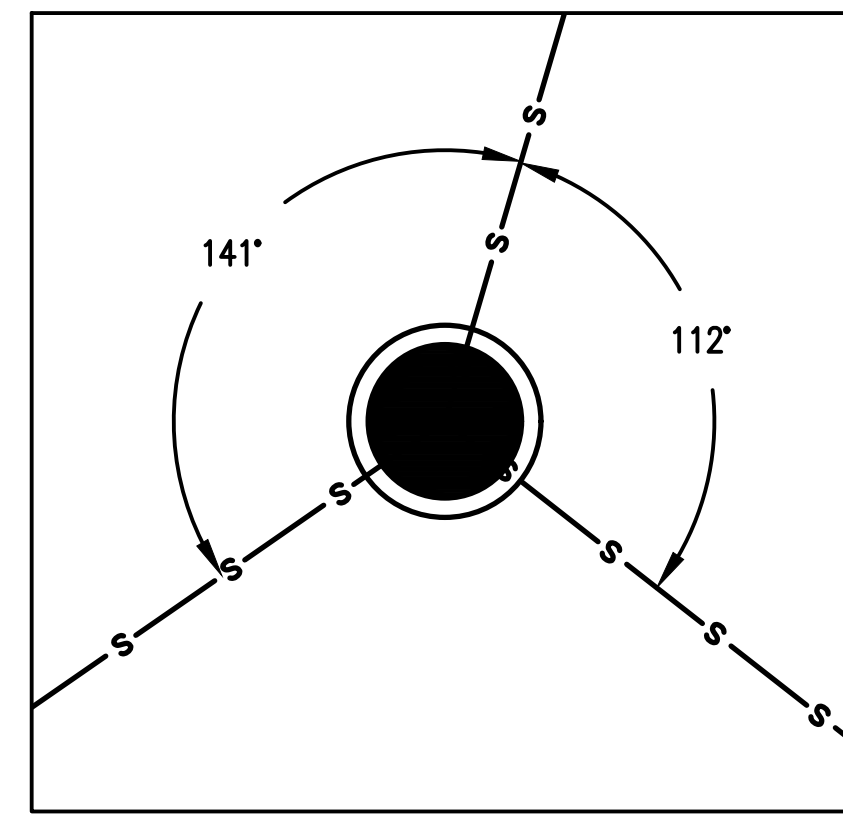
PROPOSED MANHOLE 24-03
SEE DRAWING C1-13



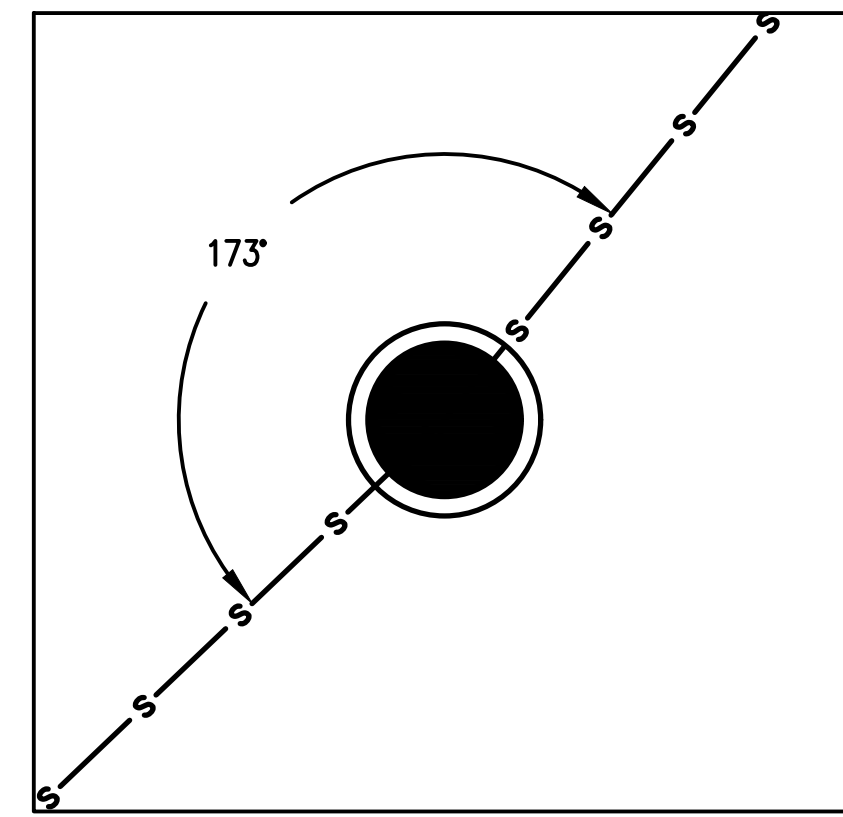
PROPOSED MANHOLE 24-04
SEE DRAWING C1-13



PROPOSED MANHOLE 24-05
SEE DRAWING C1-13



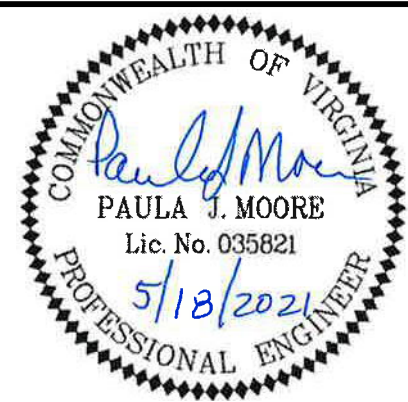
PROPOSED MANHOLE 24-02A
SEE DRAWING C1-13



PROPOSED MANHOLE 24-06
SEE DRAWING C1-13

NOTES:

- ① CONNECTION TO EXISTING SEWER MAIN/LATERAL.
- ② ANGLE SHOWN IS APPROXIMATE. CONTRACTOR TO FIELD CONFIRM LOCATION FOR TIE-IN TO EXISTING SEWER MAIN/LATERAL PRIOR TO SHOP DRAWING DEVELOPMENT AND MANUFACTURE OF MANHOLE.



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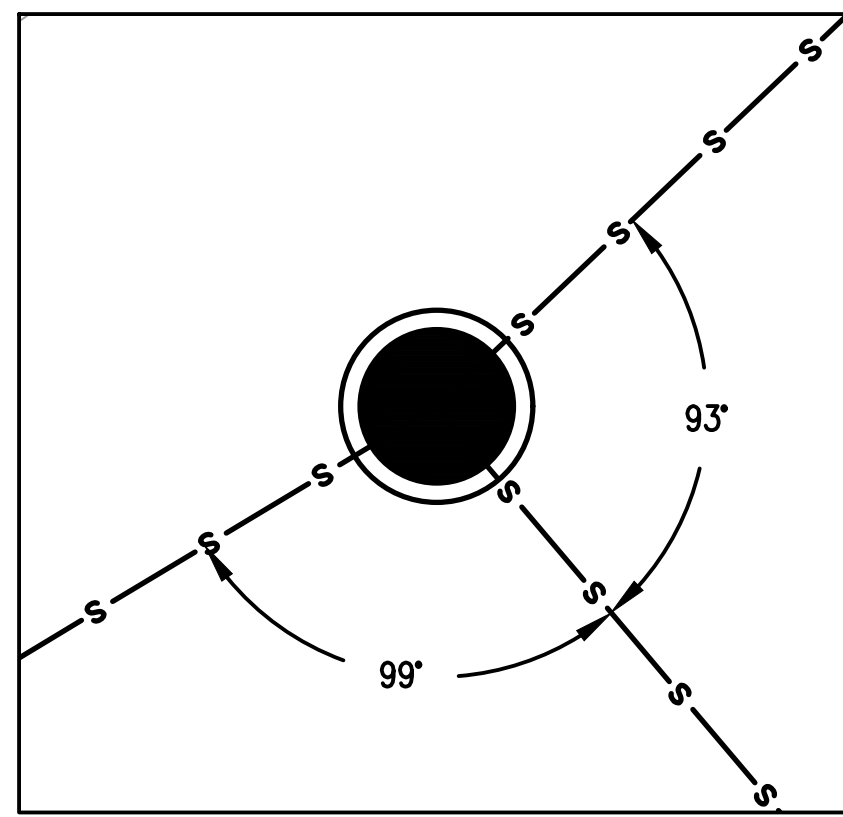
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HORIZ: N/A
VERT: N/A

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

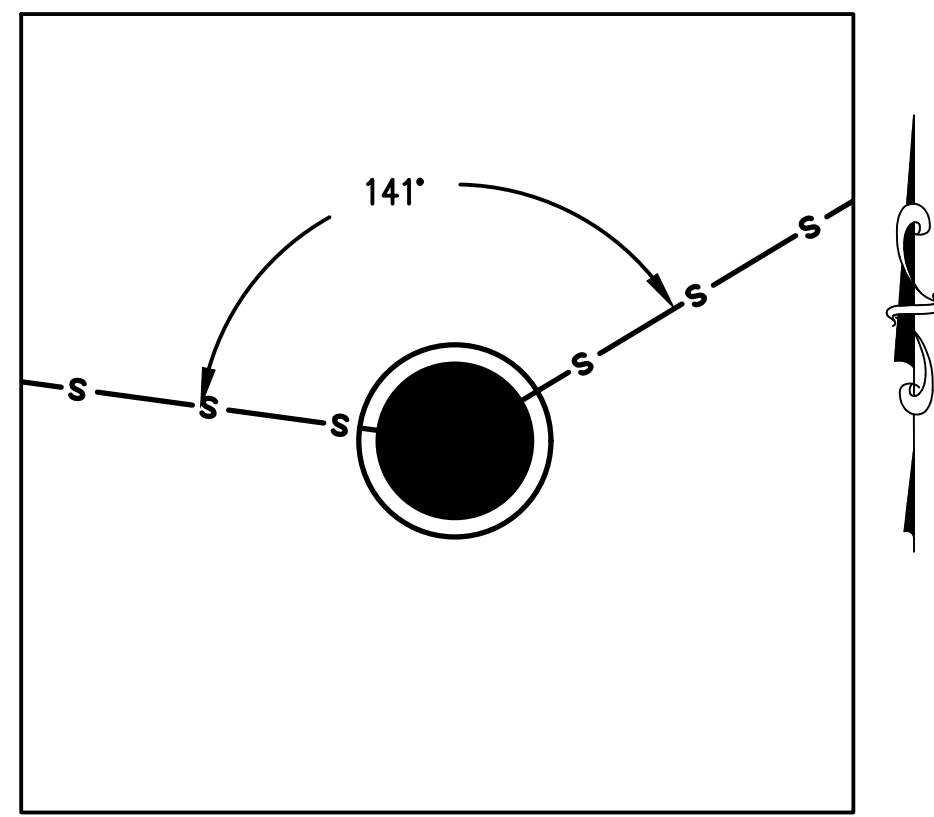
SANITARY SEWER
MANHOLE DETAILS

REV	DATE	DESCRIPTION

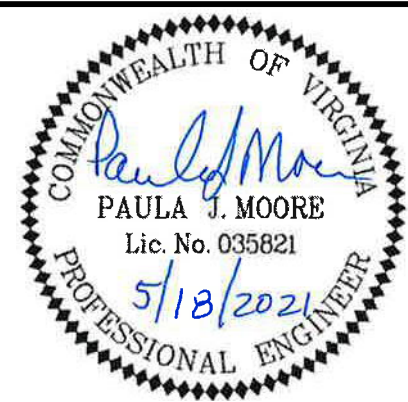
DRAWING	SHEET
C1-27	38



PROPOSED MANHOLE 24-07
SEE DRAWING C1-13



PROPOSED MANHOLE 24-08
SEE DRAWING C1-13



CITY OF LEXINGTON PUBLIC WORKS
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LEXINGTON, VIRGINIA 24450

DES:	PJM	SCALE:	N/A
DRAWN:	RMV, DJA, JES	HORIZ:	N/A
CHECK:	GWF	VERT:	N/A
DATE:	05/18/21		

DIAMOND HILL AREA
SEWER REPLACEMENT PROJECT

SANITARY SEWER
MANHOLE DETAILS

REV	DATE	DESCRIPTION

DRAWING	SHEET
C1-28	39