

SITE PLAN FOR

LIBRARY AVE. PARKING LOT (CROZET)

ALBEMARLE COUNTY, VIRGINIA

RESPONSIBLE LAND DISTURBER

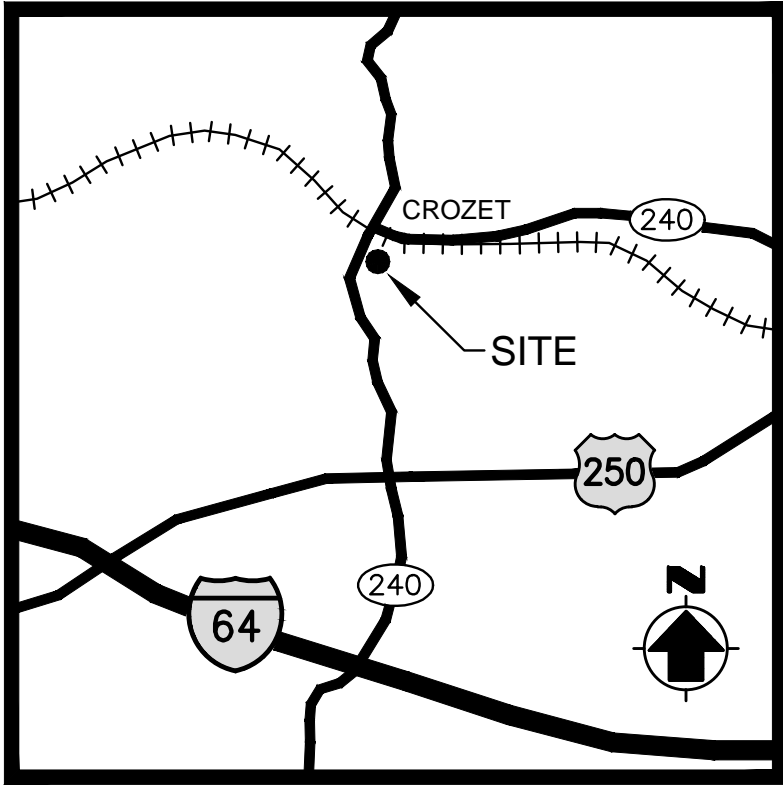
THE RESPONSIBLE LAND DISTURBER (RLD) FOR THIS PROJECT SHALL BE THE ENGINEER OF RECORD, JOHN D. RENO, DURING THE PROCESS OF DESIGN, REVIEW AND APPROVAL. PRIOR TO LAND DISTURBANCE, THE CONTRACTOR SHALL NAME A QUALIFIED INDIVIDUAL AS THE RESPONSIBLE LAND DISTURBER FOR THIS PROJECT.

Stormwater Runoff

Stormwater for Phase 1 of the project will flow via graded swales into a Bioretention filter located at the lower end of the parking lot. This BMP will provide quantity and quality mitigation for the Phase 1 parking lot. this BMP will be removed once Phase 2 construction begins.

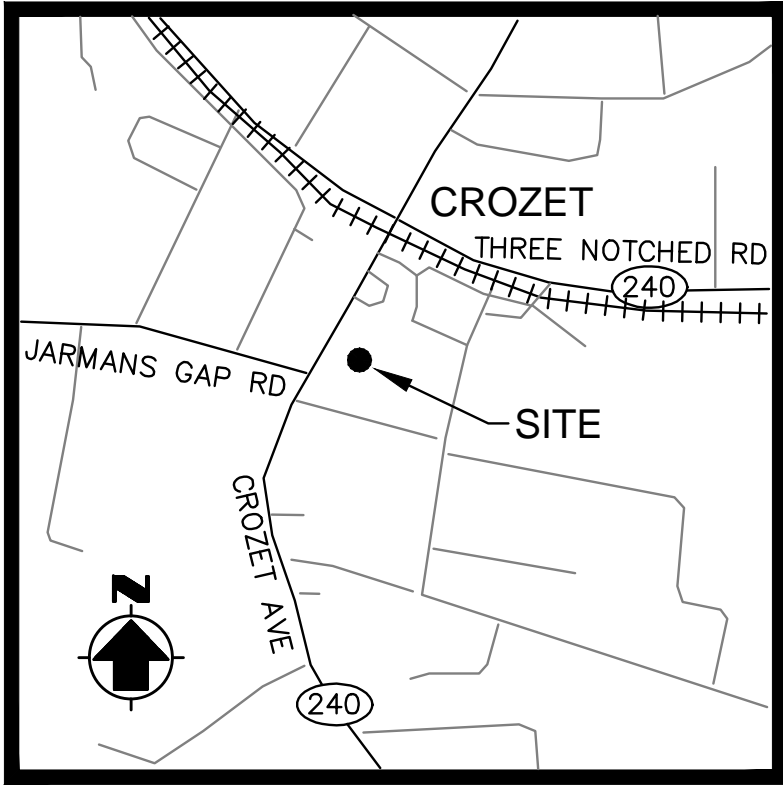
NOTE

NEW MAIN STREET PROJECT WILL BE COMPLETED PRIOR TO CONSTRUCTION OF THIS PROJECT.



VICINITY MAP

SCALE 1"=1 MILE



VICINITY MAP

SCALE 1"=1000'

SHEET INDEX

- C-1.1 CIVIL COVER SHEET  
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C-2.2 EROSION AND SEDIMENT CONTROL PLAN - PHASE I CONSTRUCTION  
C-2.3 EROSION AND SEDIMENT CONTROL PLAN NOTES AND DETAILS  
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C-5.1 PROFILES  
C-6.1 TYPICAL CONSTRUCTION DETAILS  
E-1.0 ELECTRICAL SITE PLAN

10 SHEETS TOTAL

GENERAL NOTES

1. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK AND FOR ANY DAMAGES THAT OCCUR BY HIS/HER FAILURE TO LOCATE OR PRESERVE THESE UTILITIES. IF DURING CONSTRUCTION THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS HE/SHE SHALL NOTIFY THE ENGINEER/OWNER AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY AND ASSURE THE CONTINUANCE OF SERVICE.
2. ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND SITE CONDITIONS OR ANY INCONSISTENCIES OR AMBIGUITIES IN THE DRAWINGS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER/OWNER. WORK DONE BY THE CONTRACTOR WITHOUT DIRECTION AFTER HIS/HER DISCOVERY OF SUCH INCONSISTENCIES, DISCREPANCIES OR AMBIGUITIES, SHALL BE DONE AT CONTRACTOR'S RISK.
3. ALL CONSTRUCTION SHALL CONFORM TO ALBEMARLE COUNTY AND VIRGINIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS. CONSTRUCTION OF SANITARY SEWER AND WATER SERVICES SHALL CONFORM TO ALL REQUIREMENTS OF ALBEMARLE COUNTY WATER AND SEWER STANDARD DETAILS AND SPECIFICATIONS AND TO ALL REQUIREMENTS OF THE VIRGINIA DEPARTMENT OF HEALTH AND VIRGINIA WATERWORKS REGULATIONS.
4. ALL FINISHED GRADING, SEEDING, SODDING, OR PAVING SHALL BE DONE IN SUCH A MANNER TO PRECLUDE THE PONDING OF WATER ON THE SITE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS BEFORE ANY CONSTRUCTION BEGINS. CONTRACTOR SHALL NOTIFY MISS UTILITY (800) 552-7001 48 HOURS PRIOR TO EXCAVATION. CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL, TELEPHONE, AND CATV SERVICES.
6. ALL MATERIALS USED FOR FILL SHALL BE FREE OF UNSUITABLE MATERIALS SUCH AS WOOD, ROOTS, ROCKS OR BOULDERS OF UNACCEPTABLE SIZE, OR ANY OTHER NONCOMPACTING SOIL MATERIAL.
7. A PERMIT MUST BE SECURED FROM THE VIRGINIA DEPARTMENT OF TRANSPORTATION BEFORE ANY WORK IS PERFORMED IN STATE RIGHT-OF-WAY.
8. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO TRAVELING ON A PUBLIC RIGHT-OF-WAY. IT IS THE CONTRACTORS RESPONSIBILITY TO CLEAN STREETS AND TO ALLAY DUST AND TAKE WHATEVER MEASURES NECESSARY TO ENSURE THAT THE ROAD IS MAINTAINED IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES DURING CONSTRUCTION.
9. THE APPROVAL OF THESE PLANS SHALL IN NO WAY RELIEVE THE OWNER OF COMPLYING WITH OTHER APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
10. CONTRACTOR SHALL RELOCATE EXISTING ABOVE-GROUND OR UNDERGROUND UTILITIES REQUIRED TO FACILITATE NEW CONSTRUCTION. CONTRACTOR SHALL COORDINATE RELOCATION OF SERVICE, REMOVAL, AND RE-INSTALLATION OF ALL UTILITIES WITH APPROPRIATE UTILITY OWNER.
11. PROOF OF ISSUANCE OF ALL REQUIRED FEDERAL, STATE, AND LOCAL ENVIRONMENTAL PERMITS MUST BE PROVIDED TO THE PLANNING DEPARTMENT PRIOR TO APPROVAL OF SITE PLAN.
12. CONTROLLED FILLS AND SUBGRADES SHALL BE COMPACTED AS SPECIFIED BY THE GEOTECHNICAL REPORT PREPARED FOR THIS SITE. AS A MINIMUM, COMPACTION TO 95% OF MAXIMUM DENSITY AS DETERMINED BY METHOD "A" PER STANDARD PROCTOR AASHTO T-99, ASTM D698, OR VTM-1 AS APPLICABLE FOR THESE AREAS. DENSITY SHALL BE CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER AND THE RESULTS SUBMITTED TO THE ENGINEER PRIOR TO PAVEMENT CONSTRUCTION.
13. ALL BASE, SUBBASE AND SUBGRADE MATERIAL SHALL BE COMPACTED AT OPTIMUM CONTENT, WITHIN A TOLERANCE OF ±2% OF OPTIMUM.
14. THIS ENTIRE SITE WILL BE DEDICATED FOR PUBLIC USE.
14. NO UTILITY EASEMENTS HAVE BEEN SHOWN TO EXIST ACROSS THE SUBJECT PARCELS FOR THIS SITE, BASED ON THE INFORMATION PROVIDED TO PHR+A.
15. THIS SITE IS LOCATED WITHIN THE WATERSHED FOR THE SOUTH FORK RIVANNA RIVER RESERVOIR.
16. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A VIRGINIA STORMWATER MANAGEMENT PERMIT FOR LAND DISTURBING ACTIVITIES AT THE SITE. THIS EFFORT MUST INCLUDE THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN BY THE CONTRACTOR.

PROPERTY INFORMATION

NAME OF DEVELOPMENT	CROZET LIBRARY
NAME OF OWNER/DEVELOPER:	COUNTY OF ALBEMARLE
OWNER/DEVELOPER ADDRESS:	401 MCINTIRE ROAD CHARLOTTESVILLE, VA 22902
PLAN PREPARER:	JOHN D. RENO, PATTON HARRIS RUST & ASSOCIATES
PLAN PREPARER ADDRESS:	58 KENMORE STREET HARRISONBURG, VA 22801
ZONING DISTRICT:	DCD
TAX MAP AND PARCEL NUMBER:	56A2-01-18 (0.915 Ac.) 56A2-01-19 56A2-01-19A > (1.170 Ac. COMBINED)
MAGISTERIAL DISTRICT:	WHITE HALL
COUNTY AND STATE:	ALBEMARLE, VA
BUILDING SETBACKS: (AS REQUIRED BY CODE)	FRONT: MIN. 1 FOOT; MAX. 10 FEET SIDE: MIN. 0 FEET; MAX. 20 FEET REAR: MIN. 0 FEET
PARKING SETBACKS:	FRONT: MIN. 10 FEET SIDE: MIN. 0 FEET REAR: MIN. 0 FEET
PARKING REQUIRED:	N/A
PARKING PROVIDED:	56 SPACES
BUILDING HEIGHT:	N/A
BUILDING FOOTAGE:	N/A
PROPOSED USE:	PARKING LOT
FLOODPLAIN INFORMATION:	ZONE X (OUTSIDE OF FLOODPLAIN)
OPEN SPACE:	0.39 ACRES (18.7% OF SITE)
MAXIMUM IMPERVIOUS COVER:	1.70 ACRES (81.3% OF SITE)
MAXIMUM PAVED PARKING AREA:	12,022 SQ. FT.
MAXIMUM PAVED VEHICULAR CIRCULATION AREA:	11,676 SQ. FT.
MAXIMUM NUMBER OF EMPLOYEES:	N/A
WATERSHED:	LICKINGHOLE CREEK

UTILITY CONTACT LIST

TELEPHONE

SPRINT/CENTEL

CENTURY LINK  
(FORMERLY EMBARQ)  
MR. ROBERT FRASIER  
2211 HYDRAULIC ROAD  
CHARLOTTESVILLE, VA 22091  
(434) 971-2439

ELECTRIC

DOMINION VIRGINIA POWER  
MR. FRED COLLIER  
1719 HYDRAULIC ROAD  
CHARLOTTESVILLE, VA  
TEL: (434) 972-6727

CABLE

COMCAST CABLE  
(FORMERLY ADELPHIA)  
WESLEY PARKER  
324 WEST MAIN ST.  
CHARLOTTESVILLE, VA 22903  
(434) 951-3725

V.D.O.T.

MR. JOEL DENUNZIO  
701 VDOT WAY  
CHARLOTTESVILLE, VA 22911  
(434) 293-0011



Patton Harris Rust & Associates  
Engineers, Surveyors, Planners, Landscape Architects  
58 Kenmore Street  
Harrisonburg, VA 22801  
Tel: 703.903.9100  
Fax: 703.903.9755

GRIMM + PARKER ARCHITECTS












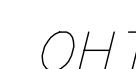



CP# 20626  
PHRA# 15936-1-0

CIVIL COVER SHEET  
LIBRARY AVE. PARKING LOT (CROZET)  
ALBEMARLE COUNTY, VIRGINIA

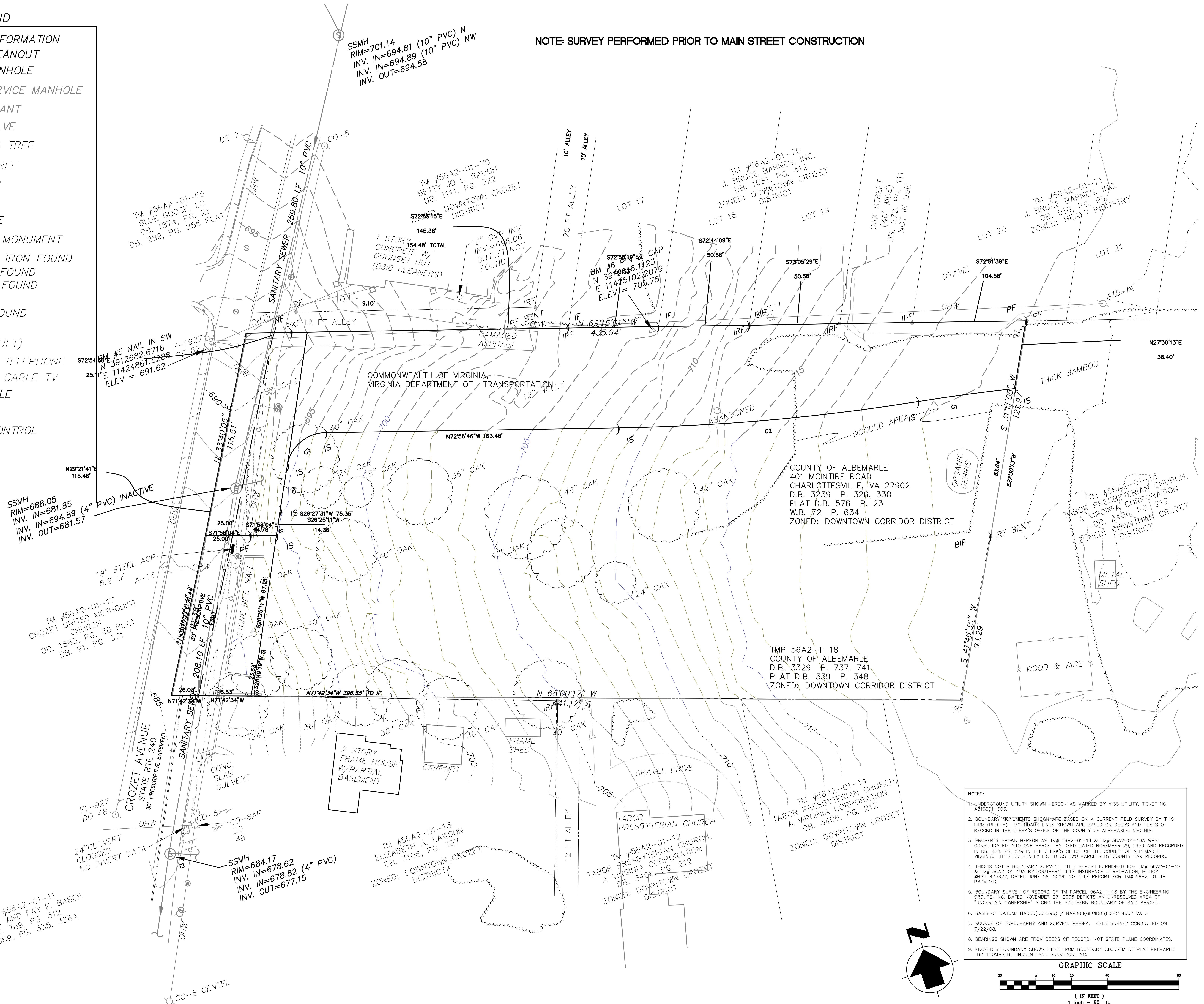
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|---|----------------------------|
|  | END OF INFORMATION         |
|  | SEWER CLEANOUT             |
|  | SEWER MANHOLE              |
|  | WATER SERVICE MANHOLE      |
|  | FIRE HYDRANT               |
|  | WATER VALVE                |
|  | DECIDUOUS TREE             |
|  | CONIFER TREE               |
|  | ROAD SIGN                  |
|  | MAILBOX                    |
|  | LIGHT POLE                 |
|  | PROPERTY MONUMENT          |
| BIF   | BOUNDARY IRON FOUND        |
| IRF   | IRON ROD FOUND             |
| IPF   | IRON PIPE FOUND            |
| IS  | IRON SET                   |
| PKF   | PK NAIL FOUND              |
| OHW   | OVERHEAD<br>UTILITY (MULT) |
| OHTL  | OVERHEAD TELEPHONE         |
| OHTV  | OVERHEAD CABLE TV          |
|  | UTILITY POLE               |
|  | GUY WIRE                   |
|  | SURVEY POINT               |
|  | BRUSHLINE                  |

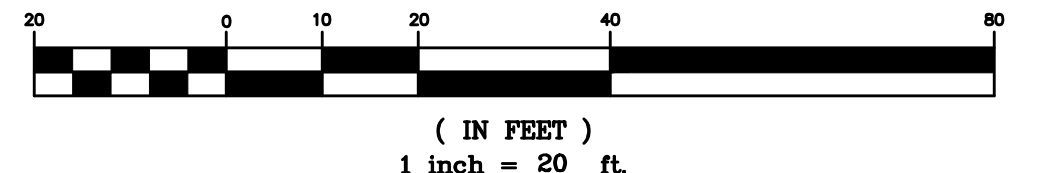
NOTE: SURVEY PERFORMED PRIOR TO MAIN STREET CONSTRUCTION



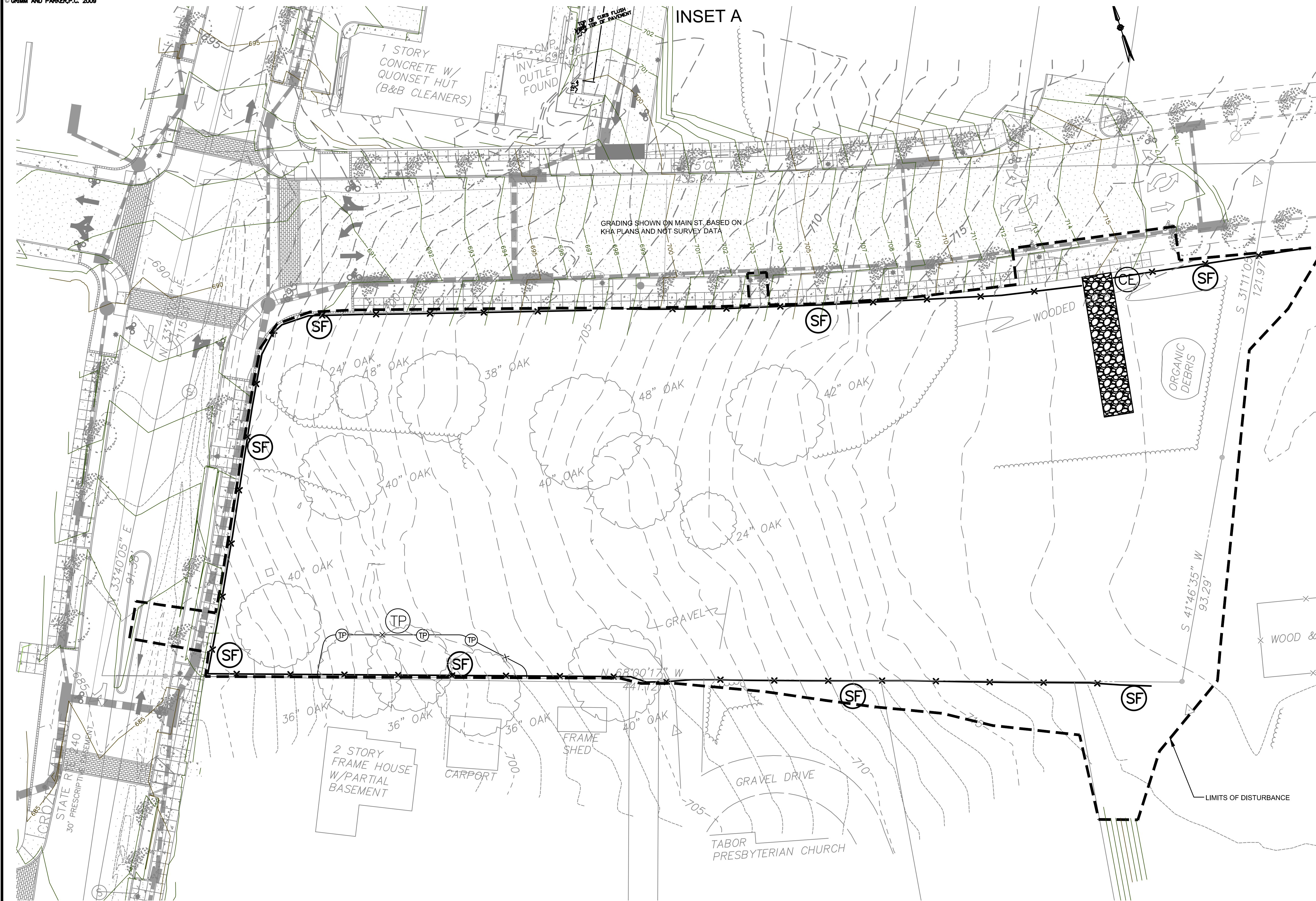
NOTES:

1. UNDERGROUND UTILITY SHOWN HEREON AS MARKED BY MISS UTILITY, TICKET NO. A819601-603.
2. BOUNDARY MONUMENTS SHOWN ARE BASED ON A CURRENT FIELD SURVEY BY THIS FIRM (PHR+A). BOUNDARY LINES SHOWN ARE BASED ON DEEDS AND PLATS OF RECORD. THE CLERK'S OFFICE OF THE COUNTY OF ALABAMA, VIRGINIA, IT IS CURRENTLY LISTED AS TWO PARCELS BY COUNTY TAX RECORDS.
3. PROPERTY SHOWN HEREON AS TM# 56A2-01-19 & TM# 56A2-01-19A WAS CONSOLIDATED INTO ONE PARCEL BY DEED DATED NOVEMBER 29, 1956 AND RECORDED IN DB. 328, PG. 579 IN THE CLERK'S OFFICE OF THE COUNTY OF ALABAMA, VIRGINIA. IT IS CURRENTLY LISTED AS TWO PARCELS BY COUNTY TAX RECORDS.
4. THIS IS NOT A BOUNDARY SURVEY. TITLE REPORT FURNISHED FOR TM# 56A2-01-19 & TM# 56A2-01-19A BY THE OTHER TITLE INSURANCE GENERATION, POLICY #H92-435622, DATED JUNE 28, 2006. NO TITLE REPORT FOR TM# 56A2-01-18 PROVIDED.
5. BOUNDARY SURVEY OF RECORD OF TM PARCEL, 56A2-1-18 BY THE ENGINEERING SURVEY FIRM, DATED NOVEMBER 27, 2008 DEPICTS AN UNRESOLVED AREA OF "UNCERTAIN OWNERSHIP" ALONG THE SOUTHERN BOUNDARY OF SAID PARCEL.
6. BASIS OF DATUM: NAD83(CORS96) / NAVD83(GEOD03) SPC 4502 VS A
7. SOURCE OF TOPOGRAPHY AND SURVEY: PHR+A. FIELD SURVEY CONDUCTED ON 7/22/08.
8. BEARINGS SHOWN ARE FROM DEEDS OF RECORD, NOT STATE PLANE COORDINATES.
9. PROPERTY BOUNDARY SHOWN HERE FROM BOUNDARY ADJUSTMENT PLAT PREPARED BY THOMAS B. LINCOLN LAND SURVEYOR, INC.

GRAPHIC SCALE







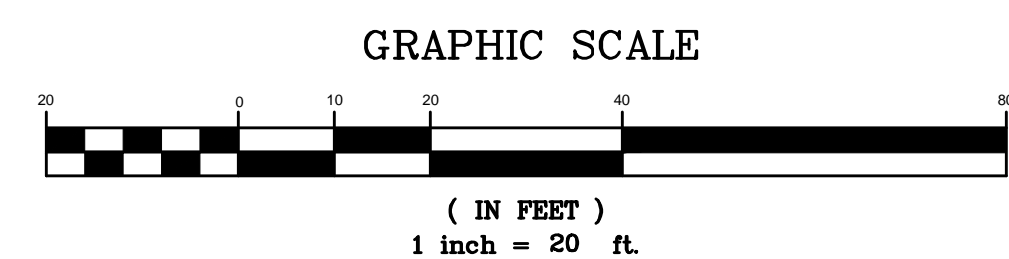
INSET A

EROSION AND SEDIMENT CONTROL LEGEND

3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE	
3.05	SILT FENCE	SF	
3.07	INLET PROTECTION	IP	
3.09	TEMPORARY DIVERSION DIKE	DD	
3.13	SEDIMENT TRAP	ST	
3.31	TEMPORARY SEEDING	TS	
3.32	PERMANENT SEEDING	PS	
3.35	MULCHING	MU	
3.38	TREE PRESERVATION AND PROTECTION	TP	

EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS SHEET ARE TO BE INSTALLED PRIOR TO CONSTRUCTION

NOTE: THIS SHEET FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY!



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**PHRA**

COUNTY OF ALBEMARLE  
VIRGINIA

COMMONWEALTH OF VIRGINIA  
John D. Reno  
Lic. No. 32989  
5/8/11  
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Bethesda, MD 20814  
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11720 Beltsville Drive  
Suite 600  
McLean, VA 22101  
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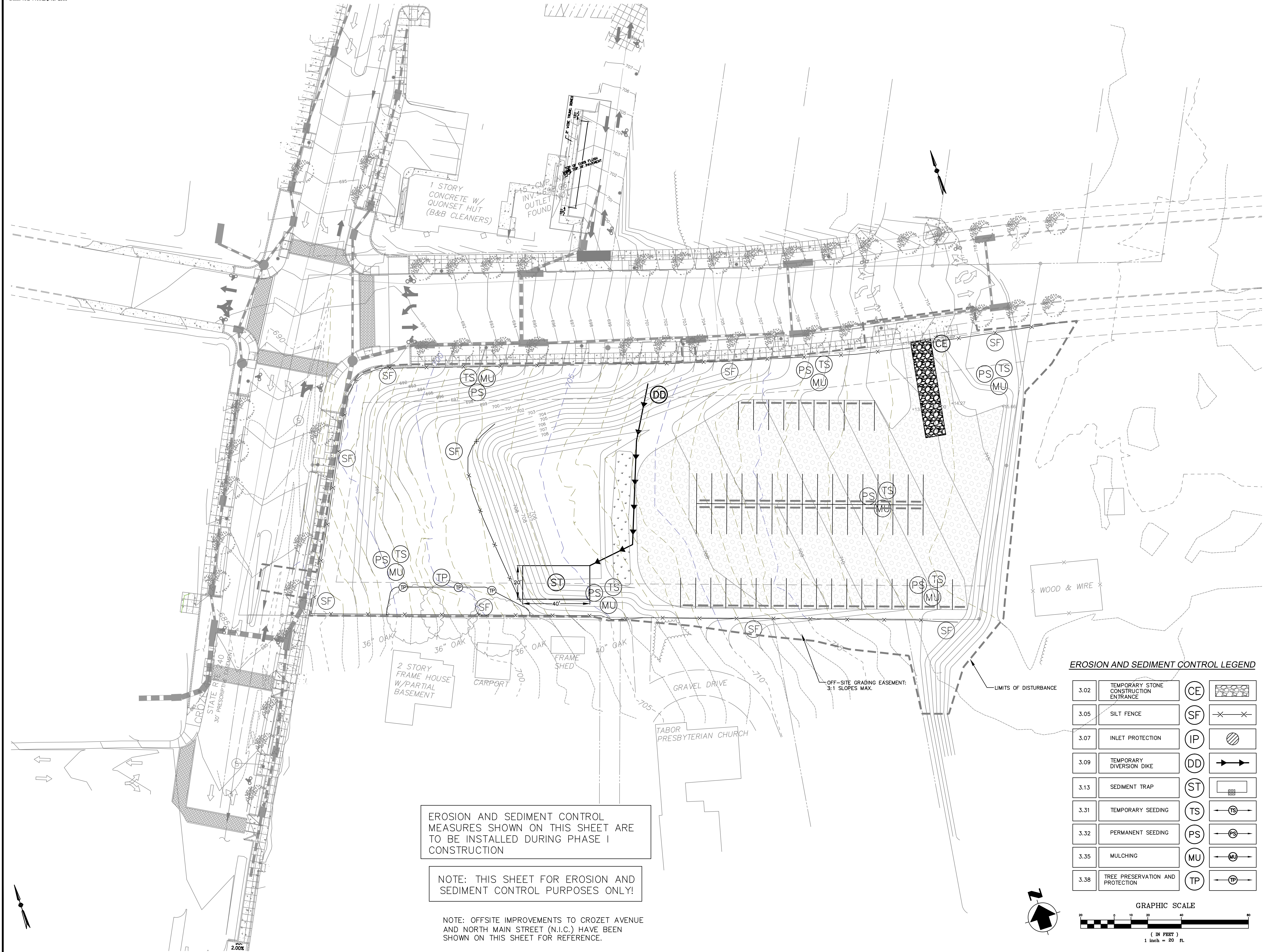
INITIAL EROSION AND SEDIMENT CONTROL PLAN  
LIBRARY AVE. PARKING LOT (GROZET)  
ALBEMARLE COUNTY, VIRGINIA

DATE	DESCRIPTION
05.08.2011	BD DOCUMENTS

**C-2.1**

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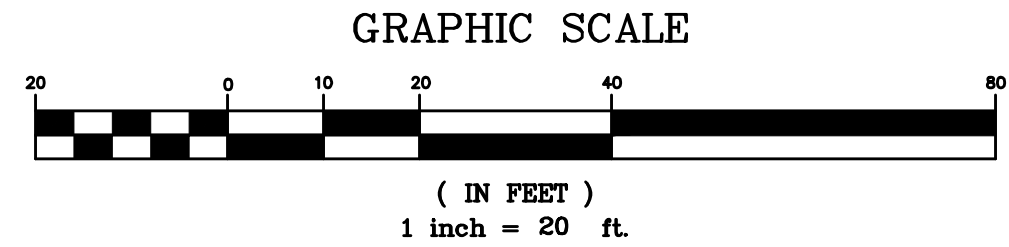
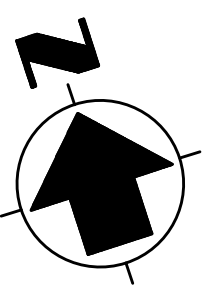
EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS SHEET ARE TO BE INSTALLED DURING PHASE I CONSTRUCTION

NOTE: THIS SHEET FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY!

NOTE: OFFSITE IMPROVEMENTS TO CROZET AVENUE AND NORTH MAIN STREET (N.I.C.) HAVE BEEN SHOWN ON THIS SHEET FOR REFERENCE.

EROSION AND SEDIMENT CONTROL LEGEND

3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE	
3.05	SILT FENCE	SF	
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COUNTY OF ALBEMARLE  
VIRGINIA

COMMONWEALTH OF VIRGINIA  
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Tel 240.223.0500 Tel 301.595.1000  
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GRIMM + PARKER ARCHITECTS

GP# 20626  
PHRA# 15936-1-0

EROSION AND SEDIMENT CONTROL PLAN  
PHASE I CONSTRUCTION  
LIBRARY AVE. PARKING LOT (CROZET)  
ALBEMARLE COUNTY, VIRGINIA

DATE	DESCRIPTION
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EROSION AND SEDIMENT CONTROL NARRATIVE

Project Description

The intent of this plan is to prevent accelerated soil erosion and sedimentation resulting from the construction of the Library Avenue Parking Lot (Crozet). This project will consist of the construction of a library and parking lot at the southeast corner of the intersection of the existing Crozet Avenue and the proposed Main Street. Approximately 2 acres of land will be disturbed.

Existing Site Conditions

The site consists of 2 acres of rolling terrain with grades varying between 5 and 15 percent. It slopes generally to the west, toward Crozet Avenue. An asphalt driveway in poor condition exists on the northern parcel. There are a number of trees on the site. For the most part, all structures and trees on site will be demolished to make way for the new construction of the building and parking lot, and for the adjacent Main Street project.

Adjacent Property

The site is bordered on the south by a residential property and by the Tabor Street Church. To the east it is bordered by a vacant lot that is owned by the Church. To the north, it is bordered by a laundromat. To the west, it is bordered by Crozet Avenue.

Critical Erosion Areas

There are no critical erosion areas on the site.

Off-Site Areas

There will be some off-site grading on the Tabor Street Church properties along the south and east borders of the site.

Soils

The soils on the project site are mostly Braddock Loam, 2 to 7 percent slopes. This soil type drains well, with loam at depths of 0 to 8 inches and clay at depths of 8 to 79 inches. A small portion of the site at the northwest corner is composed of loamy udorthents.

EROSION AND SEDIMENT CONTROL MEASURES

Unless otherwise indicated, all vegetative and structural erosion and sediment control practices shall be constructed and maintained according to the minimum standards and specifications of the Virginia Erosion and Sediment Control Handbook, 1992 edition.

- Temporary Stone Construction Entrance – 3.02**  
A temporary stone construction entrance shall be constructed as indicated on the plans. If this measure becomes covered with soil or pushed into the soil by construction traffic, it shall be replaced with a depth of stone equal to the original application. The construction entrance shall be constructed prior to beginning any other work. A washrack shall be installed in conjunction with the stone entrance to allow washdown of construction vehicles and equipment prior to entering paved roadways.
- Silt Fence – 3.05**  
A temporary silt fence sediment barrier shall be constructed of posts and filter fabric to intercept and detain sediment from sheet and rill erosion. Silt fence shall be installed as indicated on plans prior to any upslope land disturbance taking place.
- Storm Drain Inlet Protection – 3.07**  
Storm drain inlet protection shall be installed at all drop inlets as shown on the plans to prevent sediment from entering storm drainage systems. Install inlet protection at existing inlets prior to any upslope land disturbance taking place and at new inlets immediately following installation of the inlet.
- Temporary Diversion Dike**  
Diversion dikes are ridges of compacted soil that shall be used to direct sediment-laden runoff on the site to the sediment trap during the construction phase.
- Temporary Sediment Trap – 3.13**  
A temporary sediment trap shall be constructed on the site. The sediment trap temporarily holds runoff allowing sediment time to drop out. The sediment trap shall be constructed before any upland disturbance.
- Temporary Seeding – 3.31**  
Temporary seeding shall be applied within 7 days to denuded areas that may not be at final grade but will remain dormant for longer than 30 days. Selection of temporary seeding shall be in accordance with Table 3.31C of the Virginia Erosion and Sediment Control Handbook, 1992 Edition, for the appropriate season. Temporary seeding shall be fertilized and mulched in accordance with Table 3.31C of the Virginia Erosion and Sediment Control Handbook, 1992 Edition.
- Permanent Seeding – 3.32**  
Establishment of perennial vegetative cover by planting seed on rough-graded areas that will not be brought to final grade for a year or more or where permanent, long lived vegetative cover is needed on fine-graded areas. Seeding schedule is for residential and non-golf course areas. Architect will be responsible for golf course seeding schedule.
- Mulching – 3.35**  
Mulching shall be provided for stabilization of the site and to promote plant growth. It should be applied to all seeding and sodding applications.
- Tree Preservation and Protection – 3.38**  
Protect trees from mechanical and other injury during land disturbance and construction activity.

Library Ave. Parking Lot (Crozet)									
Temporary Sediment Trap									
Required Volume									
	Area (AC)	CU. YD./AC	CFCU. YD.	Volume (CF)					
DRY	0.82	67	27	1483.4					
WET	0.82	67	27	1483.4					
	Total Volume			2967					
	Elevation	Width	Length	Area	Ave. Area	Interval	Volume	Total Vol	
	ft	ft	ft	sf	sf	ft	cf	cf	
Dry Storage	704	28	48	1344.0	1200.0	1.0	1200.0	4456.0	
	703	24	44	1056.0	928.0	1.0	928.0	3256.0	
	702	20	40	800.0	742.0	1.0	742.0	2328.0	
Wet Storage	701	18	36	684.0	630.0	1.0	630.0	1588.0	
	700	16	36	576.0	528.0	1.0	528.0	956.0	
	699	14	34	476.0	430.0	1.0	430.0	430.0	
	698	12	32	384.0					

Management Strategies

- Construction shall be sequenced so that grading operations can begin and end as quickly as possible.
- All soil stockpiles shall be stabilized or protected with sediment trapping measures. Stabilization measures shall be applied to earthen structures immediately after installation.
- Sediment barriers and all other measures intended to trap sediment onsite must be constructed as a first step in grading and be made functional before any upslope land disturbance takes place.
- Immediately following grading on the site and installation of utilities, place gravel base on the limits of paved areas. Then permanently stabilize the remainder of the site with vegetative cover. All unpaved disturbed areas shall be mulched, limed, fertilized and seeded within 7 days after final grade is reached or within 7 days if the area is to be left in a rough grade condition for more than 30 days.
- Cut & Fill slopes shall be constructed in a manner that will minimize erosion. Slopes that are found to be eroding excessively with one year of permanent stabilization shall be provided with additional slope stabilizing measures until the problem is corrected.
- All storm sewer inlets that are made operable during construction shall be protected so that sediment cannot enter the conveyance system.
- The construction of underground storm sewer, sanitary sewer and water service lines shall be subject to the following criteria:
  - No more than 500 linear feet of trench is to be opened at one time.
  - Where consistent with safety and space considerations, excavated material is to be placed on the up-slope side of trenches.
  - 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, drainage systems or off site property.
  - Restabilization shall be accomplished in accordance with the Virginia Erosion and Sediment Control Handbook.
  - Contractor shall comply with applicable safety regulations.
- The Contractor shall be responsible for the installation and maintenance of all erosion and sediment control practices.

Permanent Stabilization

All areas not otherwise covered shall be stabilized with permanent seeding immediately following finish grading. For seedbed preparation, lime and fertilize according to soil test. Compacted, crusted or hardened soils shall be loosened by disking, raking, harrowing or other means. Evenly apply seed with hydroseeder. Seeding mixtures, rates and dates shall be in accordance with Std. and Spec. 3.32 of the Virginia Erosion and Sediment Control Handbook, 1992 edition. Immediately after seeding is completed, all areas shall be mulched. Use straw at the rate of 2 tons per acre and anchor. Other mulch materials may be used in accordance with the Virginia Erosion and Sediment Control Handbook, 1992 edition.

Permanent soil stabilization must be applied to denuded areas within 7 days after final grade is reached on any portion of the site. Also apply permanent soil stabilization to areas that may not be at final grade but will remain dormant for longer than one year.

Maintenance

- In general, all erosion and sediment control measures shall be checked weekly and within 24 hours after every rainfall event 0.5 inches or greater. Damaged or non-functioning measures shall be replaced or repaired immediately in accordance with the guidelines set forth in the Virginia Erosion and Sediment Control Handbook, 1992 edition.
- All seeded areas shall be checked regularly to see that a good stand is maintained. Areas should be fertilized and reseeded as necessary.
- All temporary erosion and sediment control measures shall be disposed of within 30 days after final site stabilization is achieved or after the temporary measures are no longer needed, unless otherwise authorized by the local program administrator. Trapped sediment and other disturbed soil areas resulting from the disposition of temporary measures shall be permanently stabilized per the above guidelines to deter further erosion and sedimentation.

Stormwater Runoff

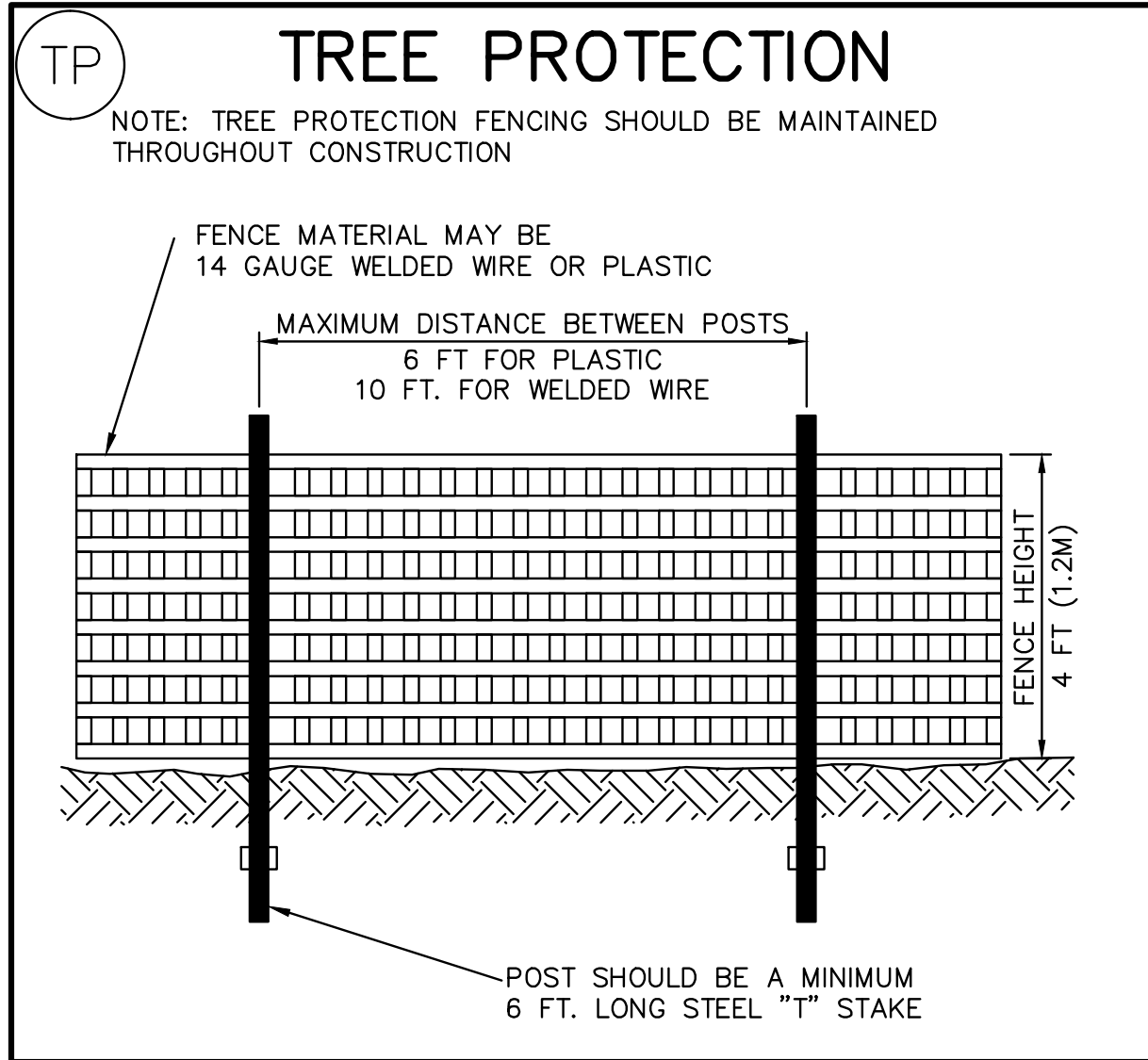
Stormwater from the site will drain into a proposed storm sewer system which will discharge into a proposed regional stormwater facility. This facility is designed to handle the volumes and treat the runoff generated by development of this site. No quantity or quality measures will be implemented on site because this regional facility is being designed to handle and treat the increased flows from our site.

Pre-construction Conference

The contractor shall attend a pre-construction conference with the engineer and Albemarle County representatives before any land disturbance takes place.

Construction Sequence

- Install perimeter measures (silt fence).
- Install construction entrance.
- Grade sediment trap and outlet. Install diversion dike to trap.
- Grade site as shown on the Phase I plans. Provide stabilization measures (seeding and mulching) as required.
- Install storm drainage structures and piping. Provide inlet protection as shown.
- Install Phase I parking lot.
- Only when Phase I construction activities have ceased and site is adequately stabilized may the removal of temporary erosion and sediment control features (construction entrance, silt fence, diversion dike, sediment trap, and inlet protection) commence.
- Reinstall measures that were removed after completion of Phase I construction.
- Begin building construction and installation of hardscape features. Sediment trap and diversion dike to remain in use as long as practical.
- Only when Phase II construction activities have ceased and site is adequately stabilized may the removal of temporary erosion and sediment control features (construction entrance, silt fence, diversion dike, sediment trap, and inlet protection) commence.

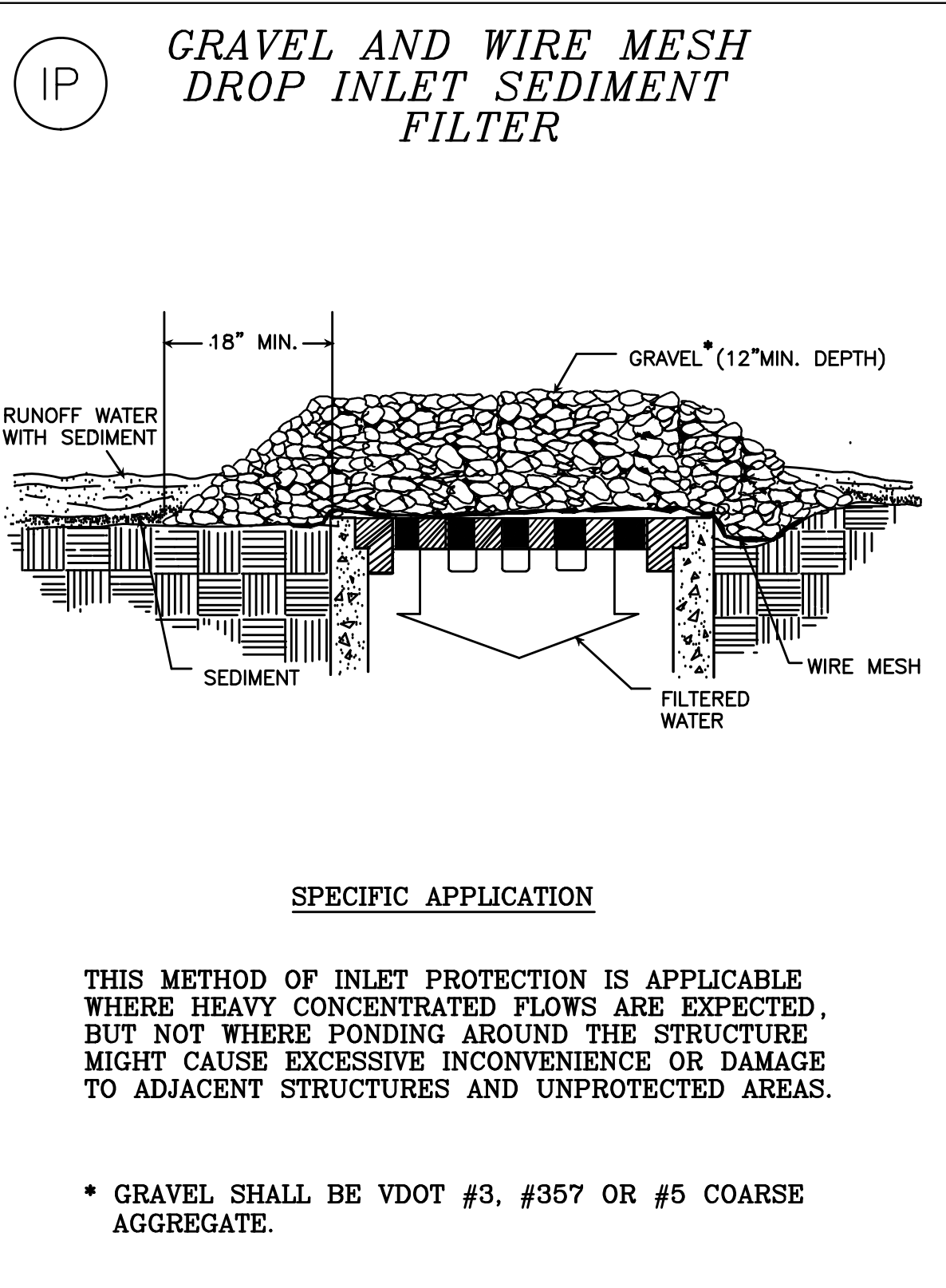


1992

TABLE 3.35-A			
ORGANIC MULCH MATERIALS AND APPLICATION RATES			
MULCHES:	RATES:		NOTES:
	Per Acre	Per 1000 sq. ft.	
Straw or Hay	1 1/2 - 2 tons (Minimum 2 tons for winter cover)	70 - 90 lbs.	Free from weeds and coarse matter. Must be anchored. Spread with mulch blower or by hand.
Fiber Mulch	Minimum 1500 lbs.	35 lbs.	Do not use as mulch for winter cover or during hot, dry periods.* Apply as slurry.
Corn Stalks	4 - 6 tons	185 - 275 lbs.	Cut or shredded in 4-6" lengths. Air-dried. Do not use in fine turf areas. Apply with mulch blower or by hand.
Wood Chips	4 - 6 tons	185 - 275 lbs.	Free of coarse matter. Air-dried. Do not use in fine turf areas. Apply with mulch blower, chip handler, or by hand.
Bark Chips or Shredded Bark	50 - 70 cu. yds.	1-2 cu. yds.	Free of coarse matter. Air-dried. Do not use in fine turf areas. Apply with mulch blower, chip handler, or by hand.

\* When fiber mulch is the only available mulch during periods when straw should be used, apply at a minimum rate of 2000 lbs./ac. or 45 lbs./1000 sq. ft.

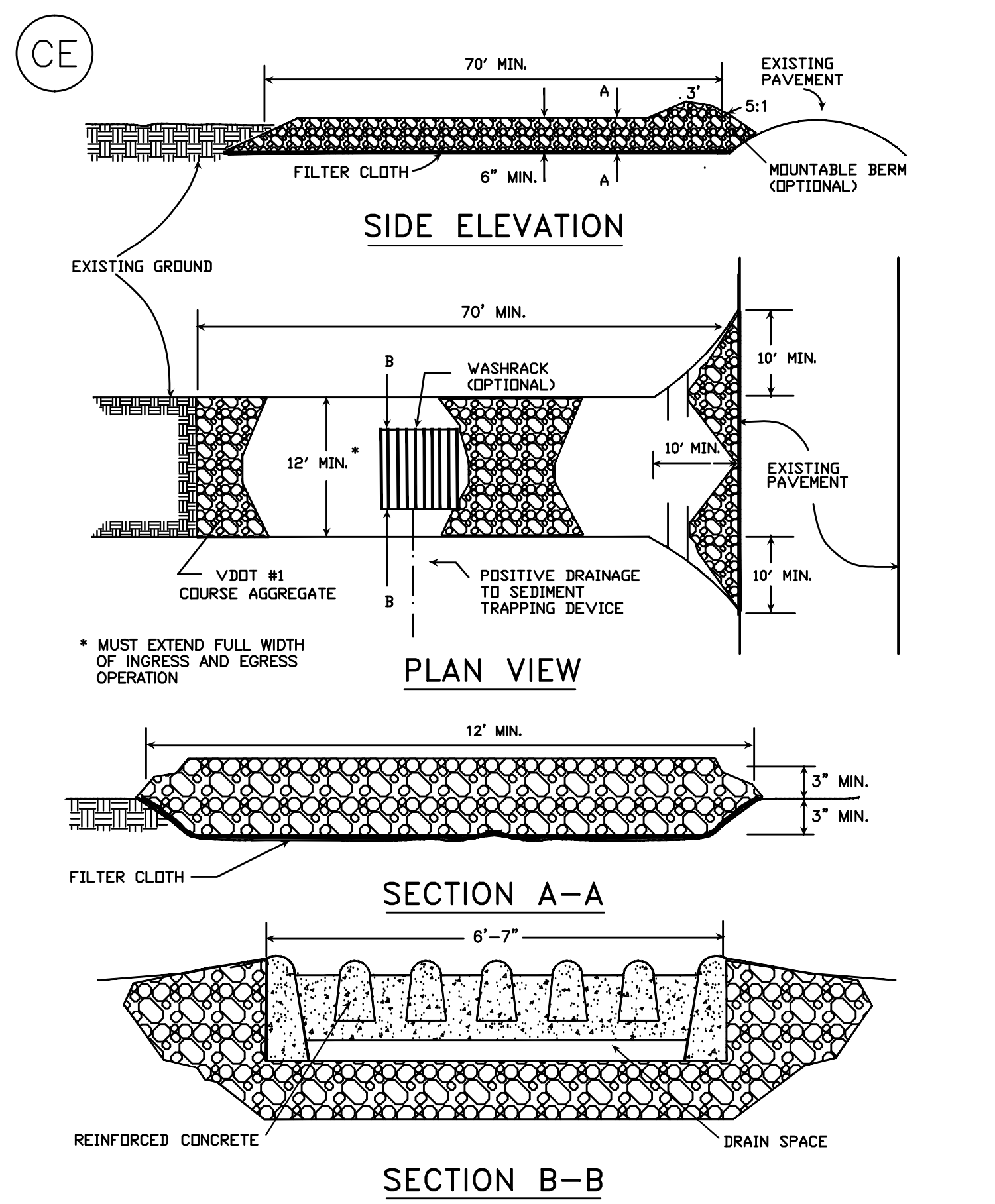
Source: Va. DSWC



SOURCE: VA. DSWC

PLATE. 3.07-2

STONE CONSTRUCTION ENTRANCE



SOURCE: ADAPTED FROM 1983 Maryland Standards for Soil Erosion and Sediment Control, and Va. DSWC

Plate 3.02-1

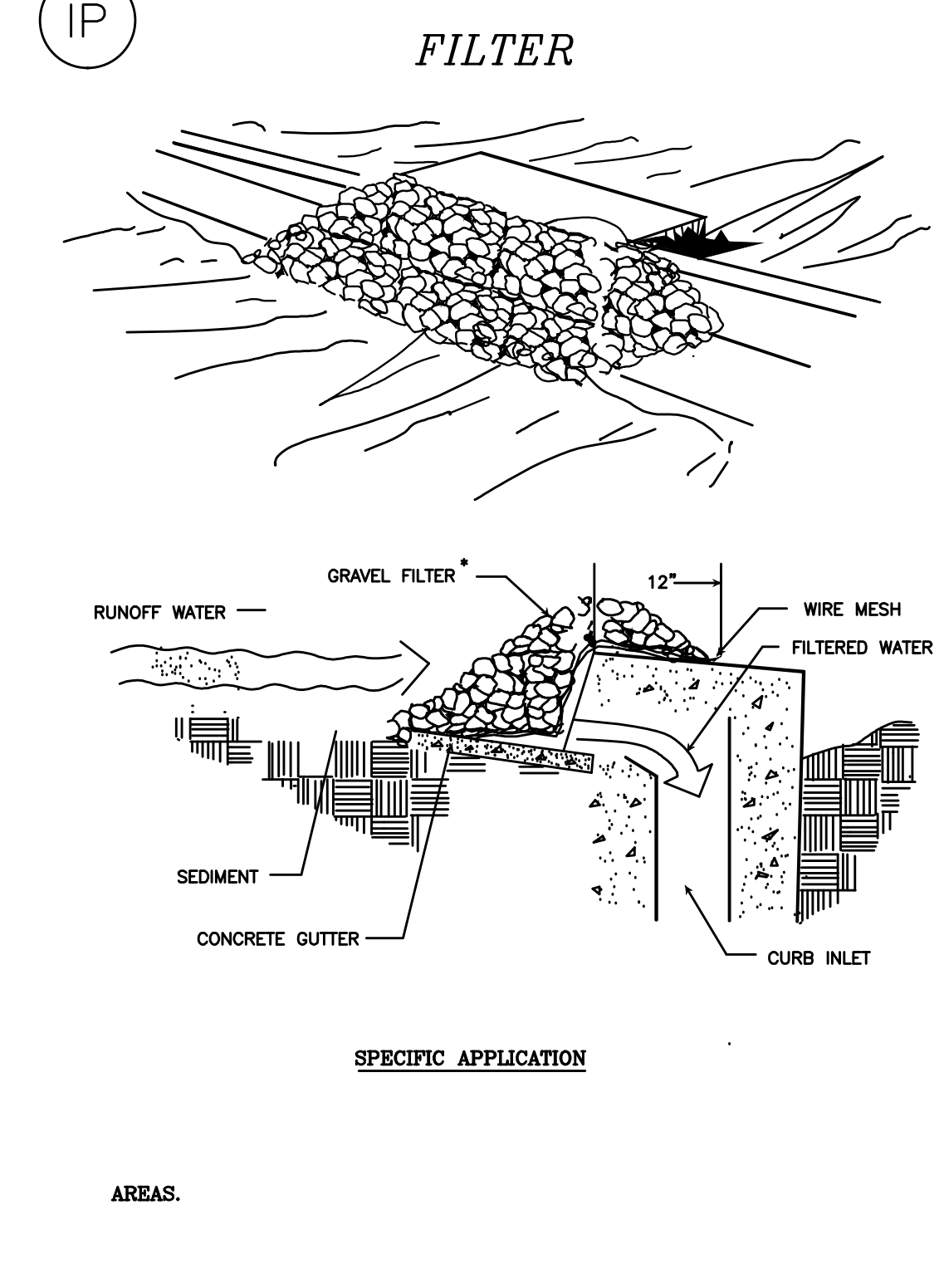
1992

TABLE 3.32-D	
SITE SPECIFIC SEEDING MIXTURES FOR PIEDMONT AREA	
	Total Lbs. Per Acre.
<b>Minimum Core Lawn</b>	
- Commercial or Residential	175-200 lbs.
- Kentucky 31 or Turf-Type Tall Fescue	95-100%
- Improved Perennial Ryegrass	0-5%
- Kentucky Bluegrass	0-5%
<b>High-Maintenance Lawn</b>	200-250 lbs.
- Kentucky 31 or Turf-Type Tall Fescue	100%
<b>General Slope (3:1 or less)</b>	
- Kentucky 31 Fescue	128 lbs.
- Red Top Grass	2 lbs.
- Seasonal Nurse Crop *	20 lbs.
<b>Low-Maintenance Slope (Steeper than 3:1)</b>	150 lbs.
- Kentucky 31 Fescue	108 lbs.
- Red Top Grass	2 lbs.
- Seasonal Nurse Crop *	20 lbs.
- Crownvetch **	150 lbs.

\* Use seasonal nurse crop in accordance with seeding dates as stated below:  
February 16th through April ..... Annual Rye  
May 1st through August 15th ..... Foxtail Millet  
August 16th through October ..... Annual Rye  
November through February 15th ..... Winter Rye

\*\* Substitute Sericea lespedeza for Crownvetch east of Farmville, Va. (May through September use hulled Sericea, all other periods, use unhulled Sericea). If Flatpea is used in lieu of Crownvetch, increase rate to 30 lbs./acre. All legume seed must be properly inoculated. Weeping Lovegrass may be added to any slope or low-maintenance mix during warmer seeding periods; add 10-20 lbs./acre in mixes.

1992



SOURCE: VA. DSWC

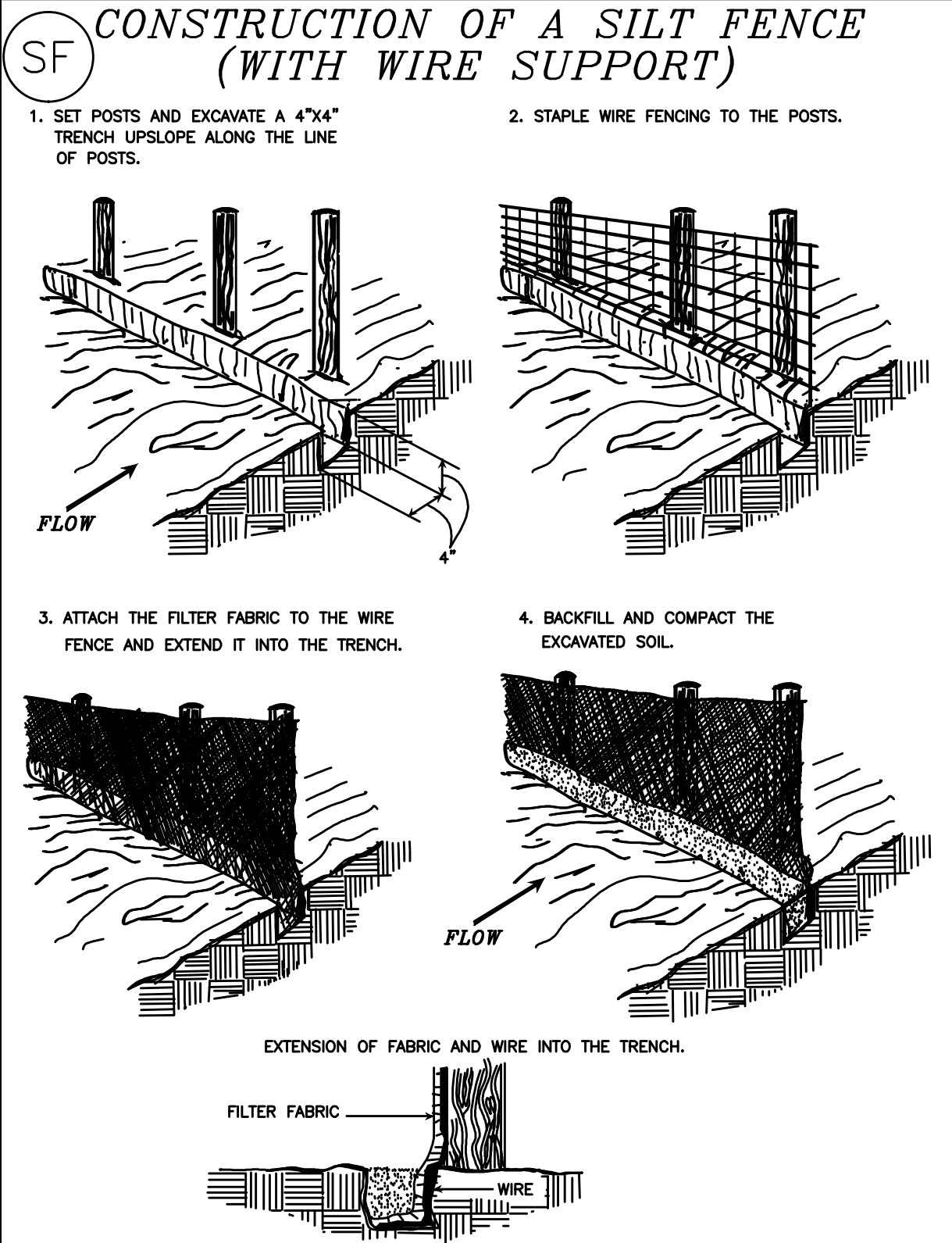
PLATE 3.07-6

TS

TABLE 3.31-B		
ACCEPTABLE TEMPORARY SEEDING PLANT MATERIALS		
"QUICK REFERENCE FOR ALL REGIONS"		
Planting Dates	Species	Rate (lbs./acre)
Sept. 1 - Feb. 15	50/50 Mix of Annual Ryegrass (Lolium multi-florum) & Cereal (Winter) Rye (Secale cereale)	50 - 100
Feb. 16 - Apr. 30	Annual Ryegrass (Lolium multi-florum)	60 - 100
May 1 - Aug. 31	German Millet (Setaria italica)	50

Source: Va. DSWC

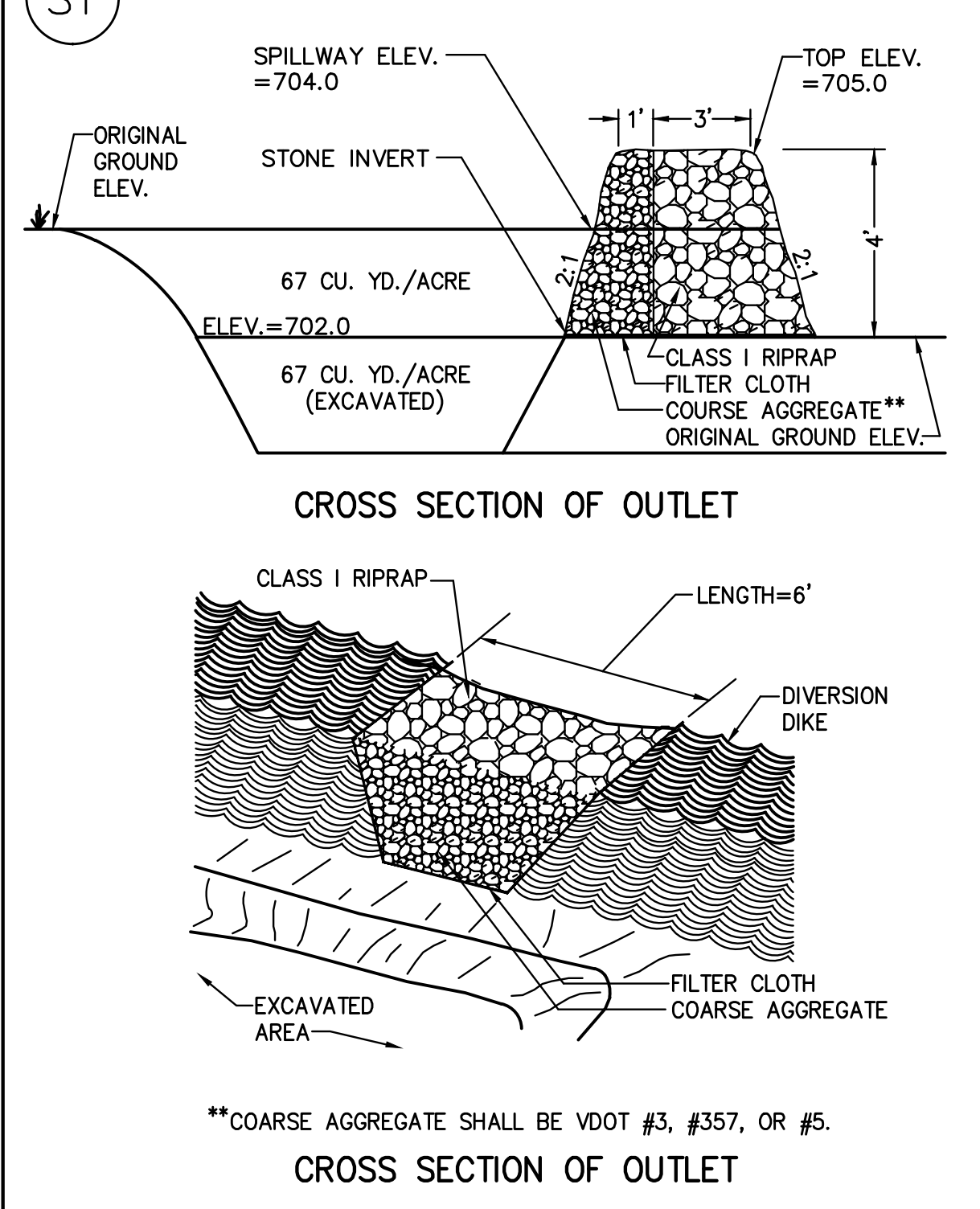
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SOURCE: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control, Second Edition, 1992

3.13

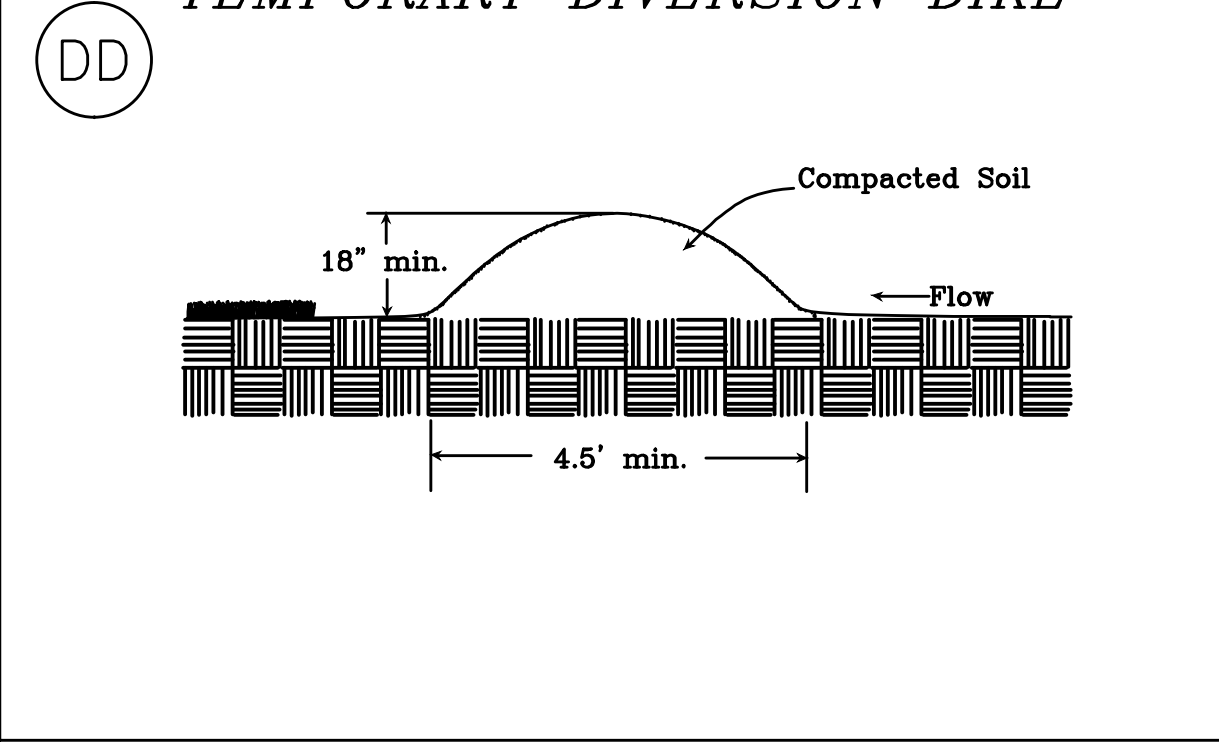
TEMPORARY SEDIMENT TRAP



SOURCE: VA. DSWC

PLATE 3.13-2

TEMPORARY DIVERSION DIKE



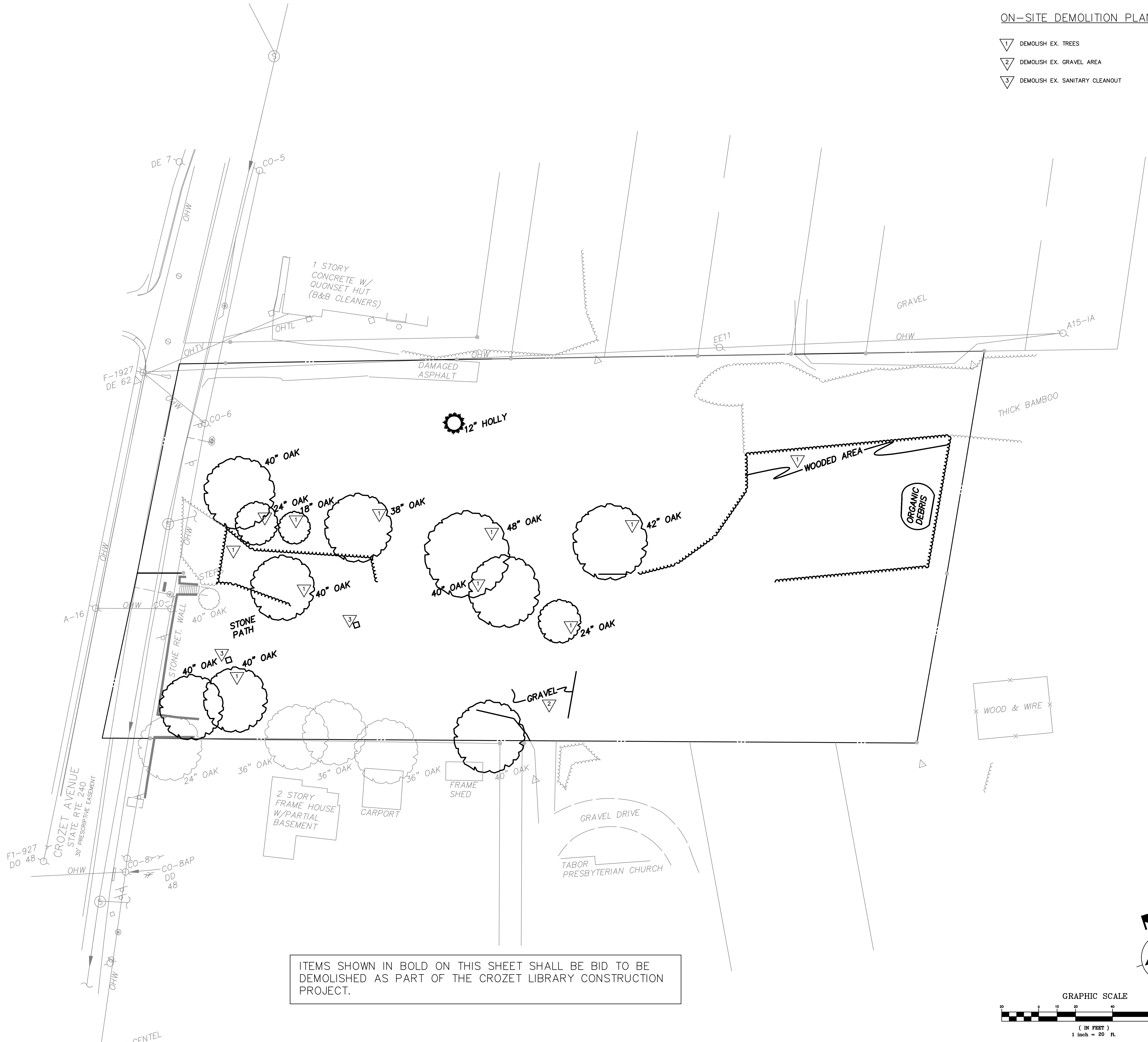
SOURCE: VA. DSWC

PLATE 3.09-1

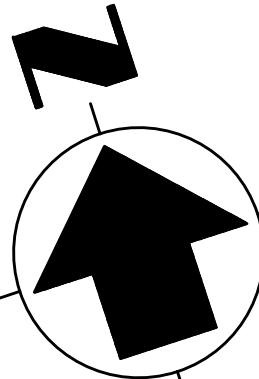
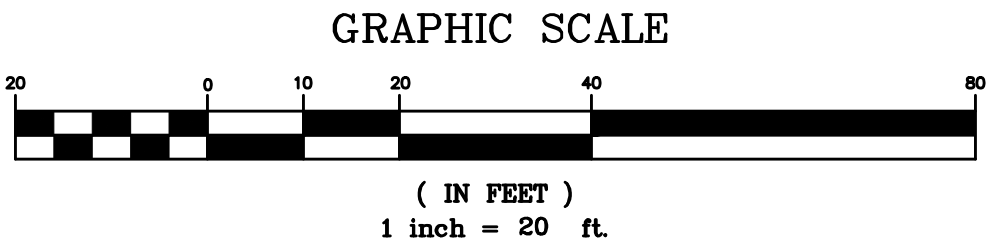


ON-SITE DEMOLITION PLAN NOTES

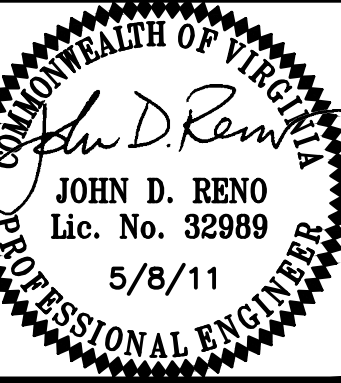
- 1 DEMOLISH EX. TREES
- 2 DEMOLISH EX. GRAVEL AREA
- 3 DEMOLISH EX. SANITARY CLEANOUT



ITEMS SHOWN IN BOLD ON THIS SHEET SHALL BE BID TO BE DEMOLISHED AS PART OF THE CROZET LIBRARY CONSTRUCTION PROJECT.



Patton Harris Rust & Associates  
Engineers, Surveyors, Planners, Landscape Architects  
58 Kenmore Street  
Farmingdale, NY 11735  
Tel: 516.434.0221  
Fax: 516.434.0221



2 Bethesda Metro Center  
1355 Beverly Road  
Suite 105  
Bethesda, MD 20814  
Tel: 240.223.0500  
Fax: 240.223.0510

11720 Beltsville Drive  
Suite 600  
Calverton, MD 20705  
Tel: 301.595.1000  
Fax: 301.595.0089

GRIMM +  
PARKER  
ARCHITECTS

GP# 20626  
PHRA# 15936-1-0

ON-SITE DEMOLITION PLAN  
LIBRARY AVE. PARKING LOT (CROZET)  
ALBEMARLE COUNTY, VIRGINIA

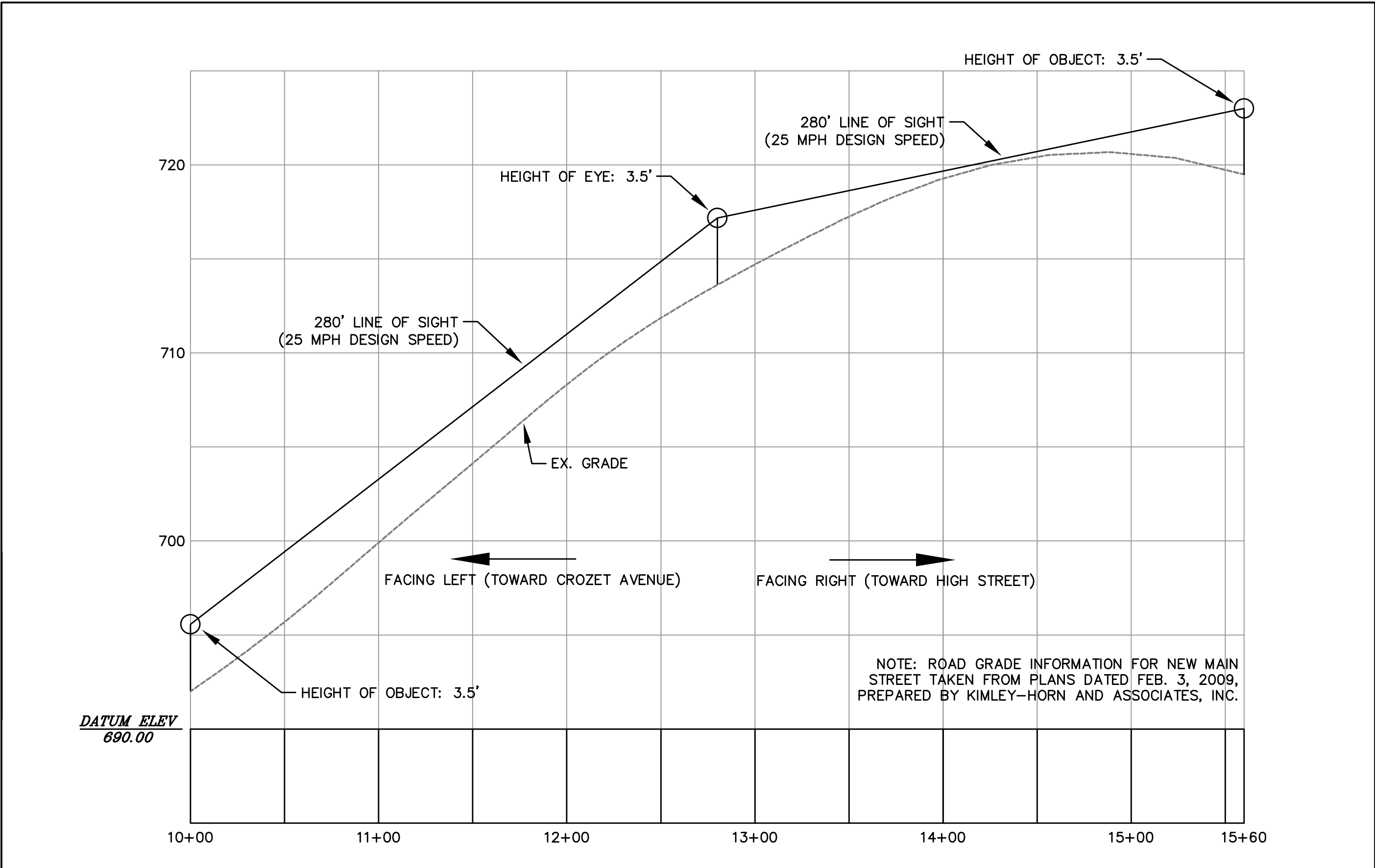
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05.08.2011	BD DOCUMENTS

C-3.1



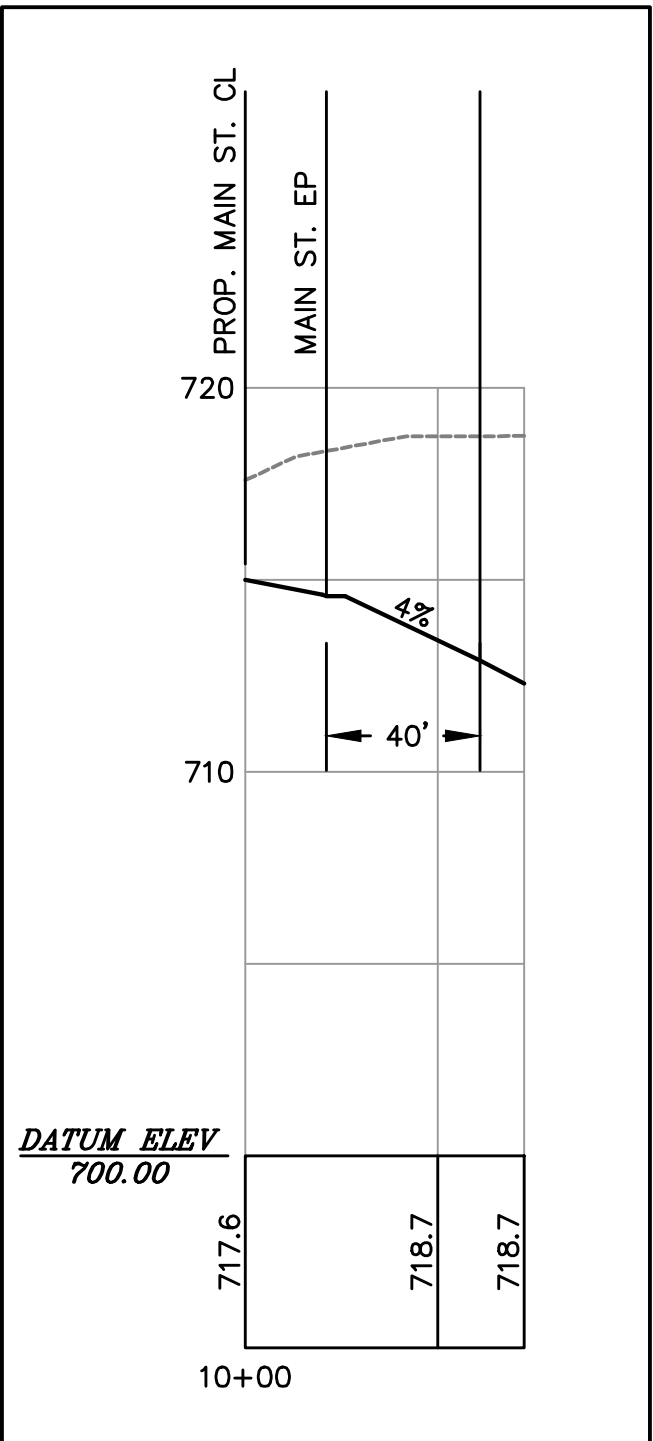






SIGHT DISTANCE PROFILE AT ENTRANCE

HORIZONTAL SCALE 1"=50'  
VERTICAL SCALE 1"=5'



ENTRANCE PROFILE

HORIZONTAL SCALE 1"=50'  
VERTICAL SCALE 1"=5'



2 Bethesda Metro Center  
Suite 1350  
Bethesda, MD 20814  
Tel. 240.223.0500  
Fax 240.223.0510

4355 Beverly Road  
Suite 105  
McLean, VA 22101  
Tel. 703.903.9100  
Fax 703.903.9755

11720 Beltsville Drive  
Suite 600  
Calverton, MD 20705  
Tel. 301.595.1000  
Fax 301.595.0089

GRIMM +  
PARKER  
ARCHITECTS

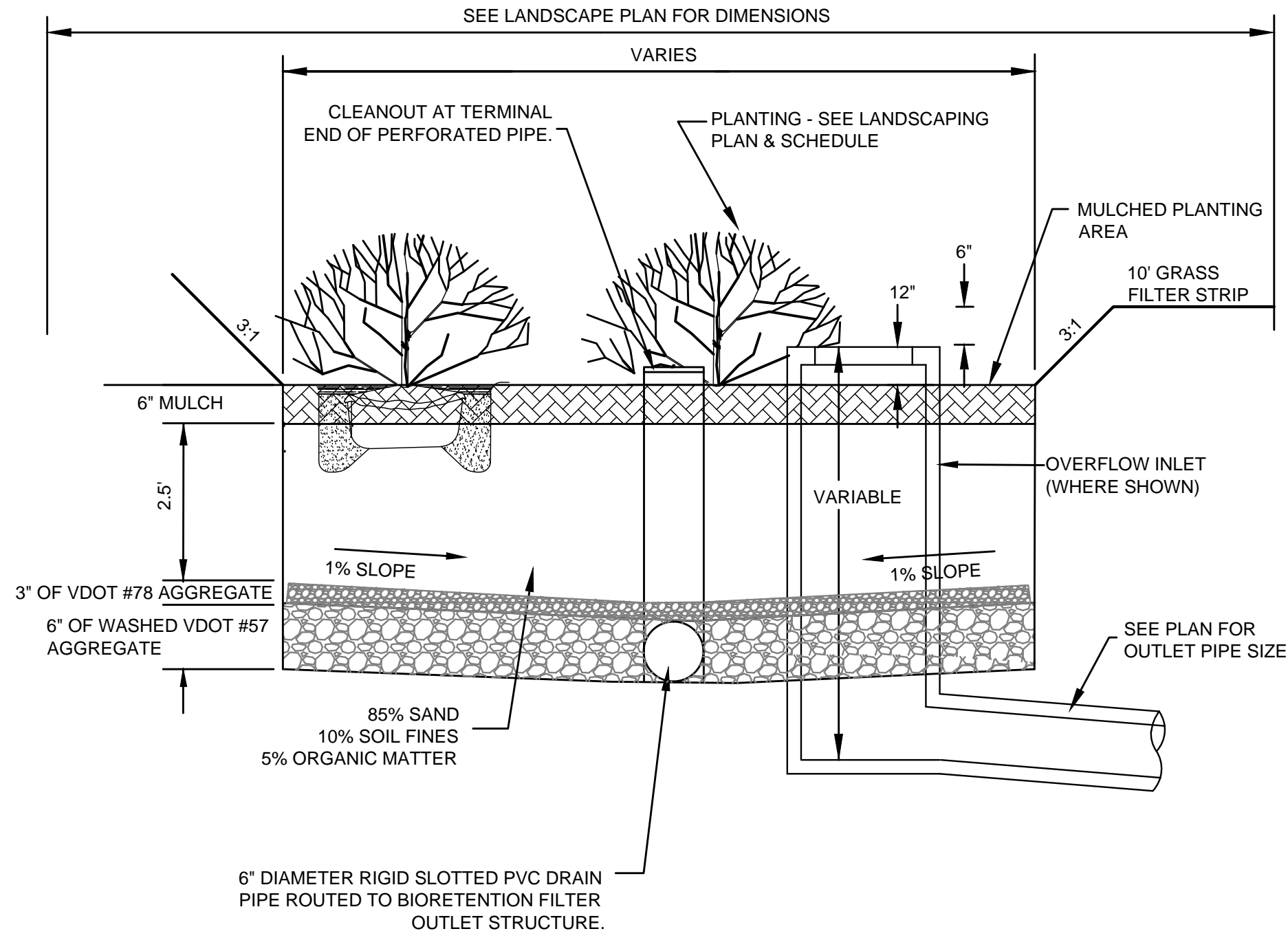
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PHRA# 15936-1-0

PROFILES  
LIBRARY AVE. PARKING LOT (CROZET)  
ALBEMARLE COUNTY, VIRGINIA

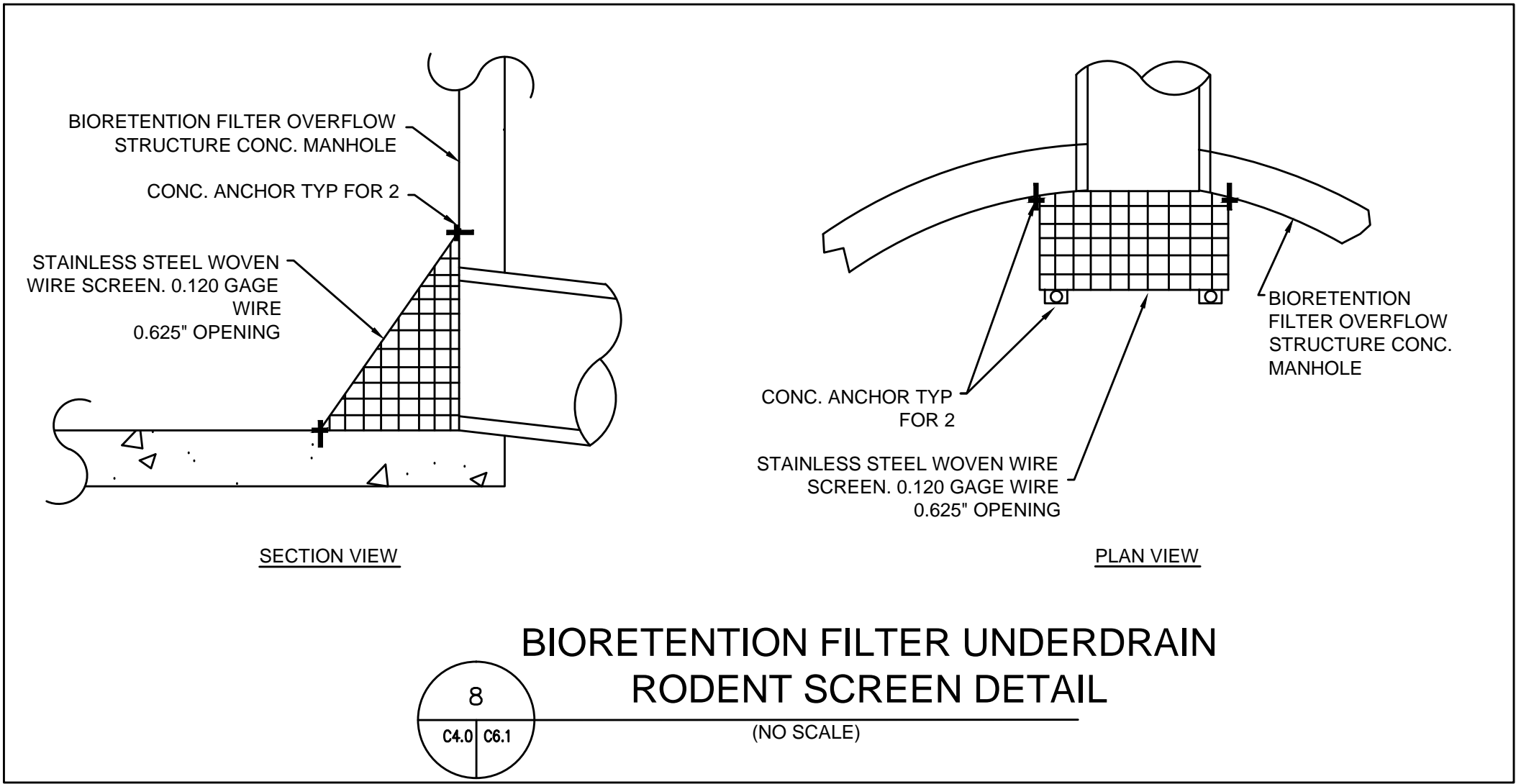
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C-5.1

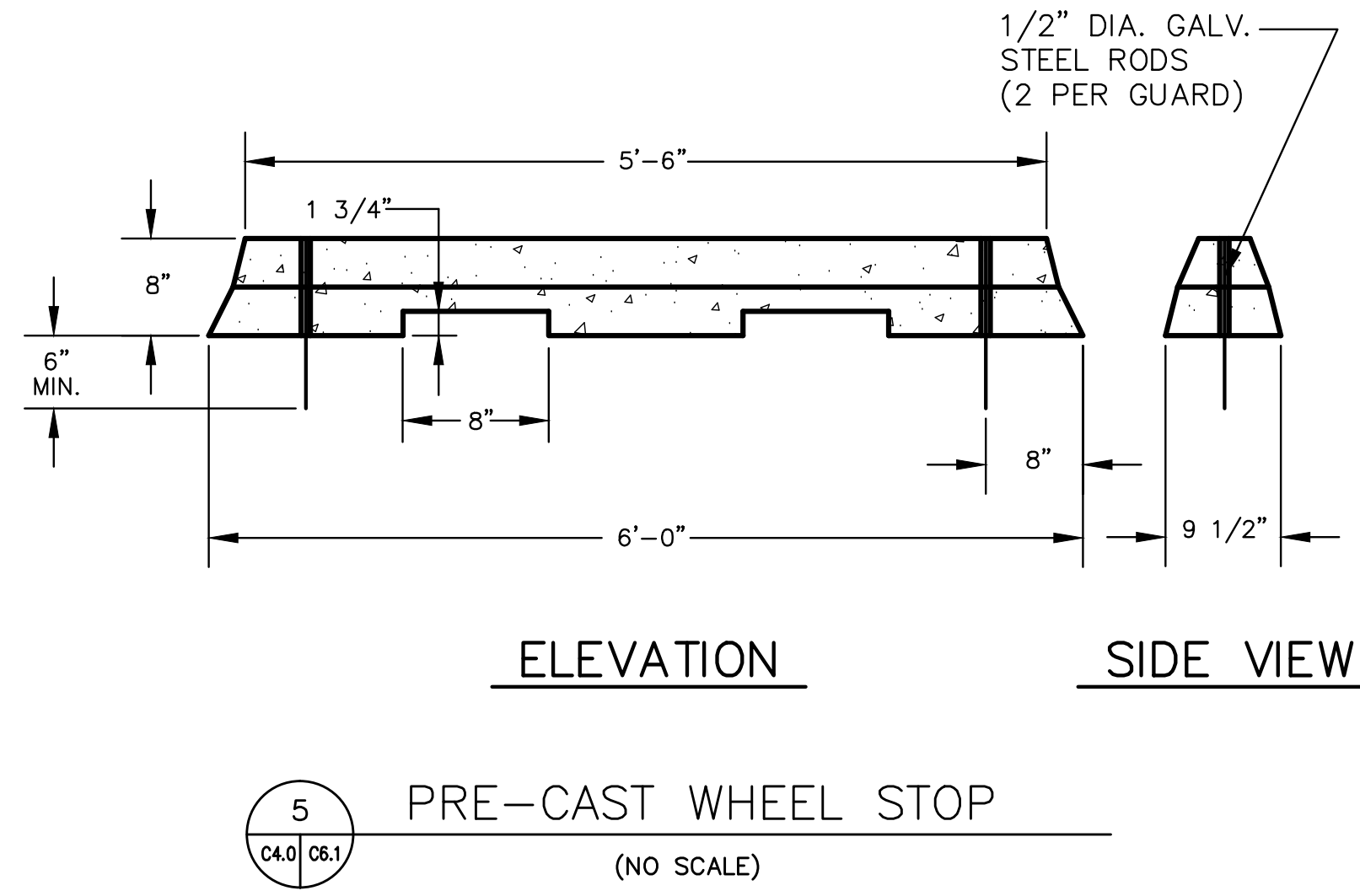




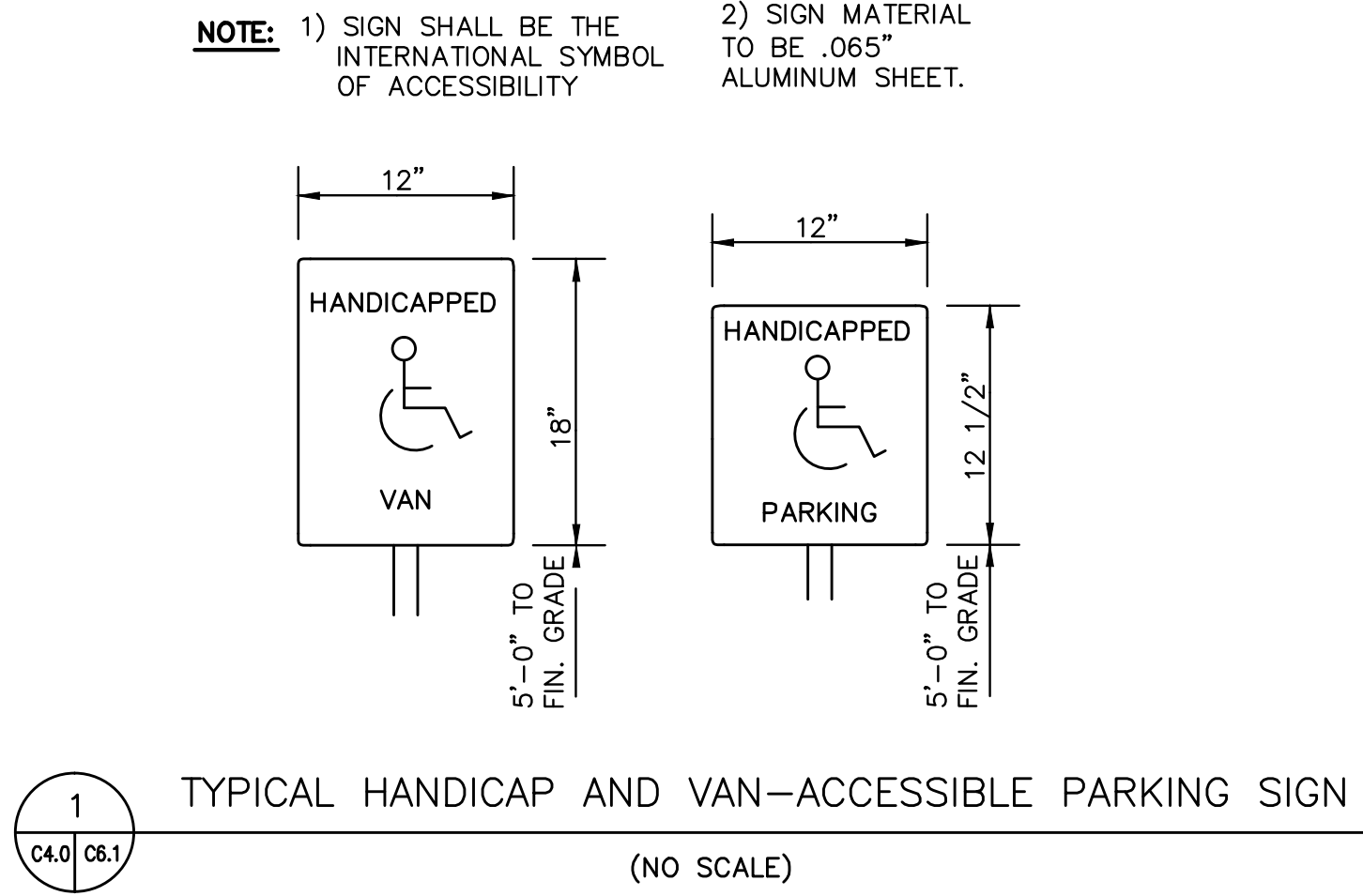
7 BIORETENTION FILTER TYPICAL SECTION (NO SCALE)



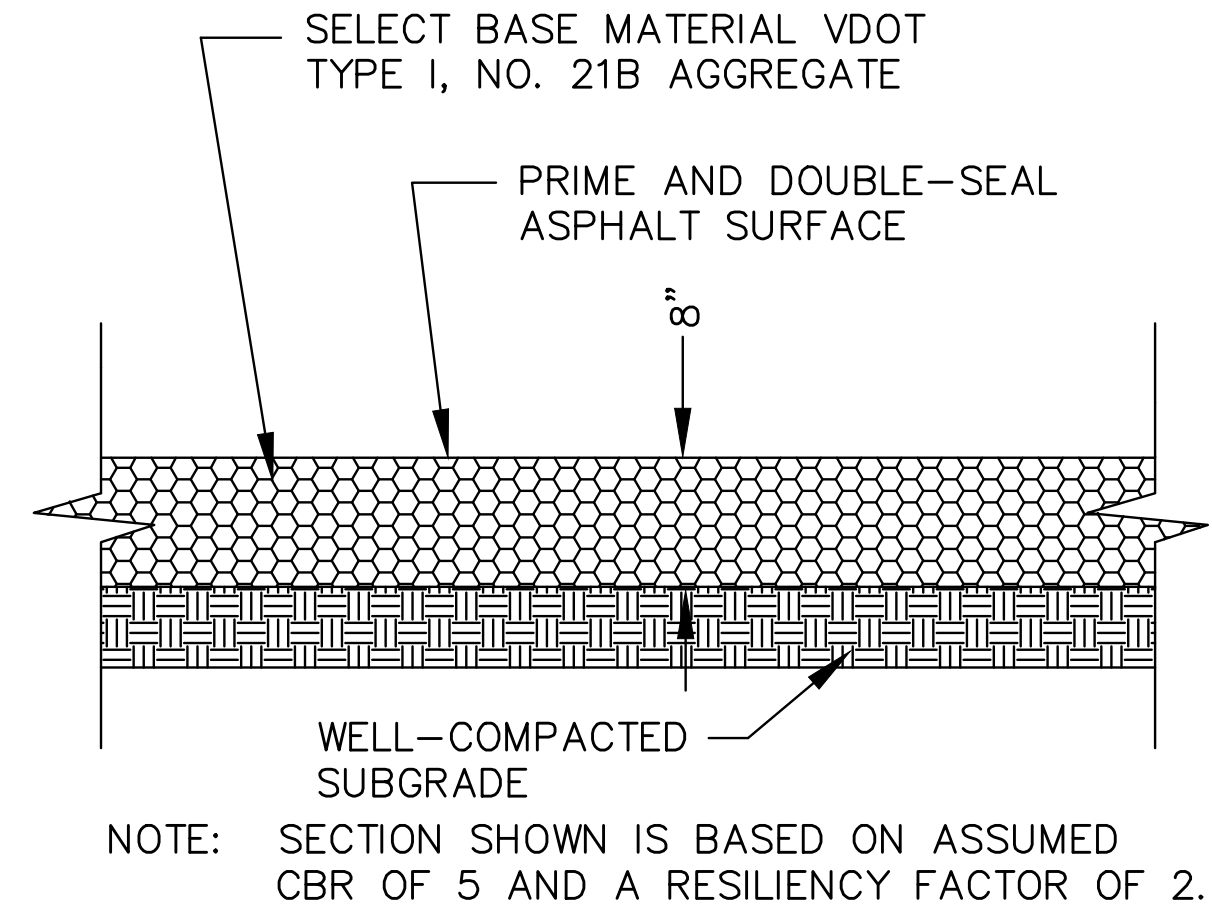
8 BIORETENTION FILTER UNDERDRAIN RODENT SCREEN DETAIL (NO SCALE)



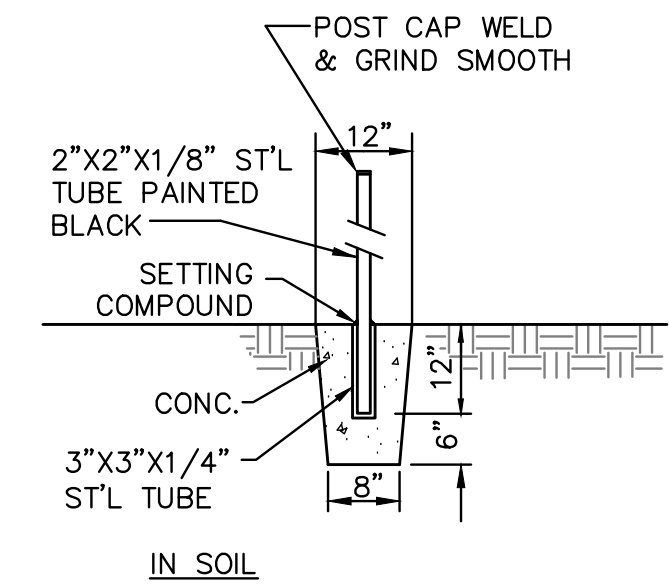
5 PRE-CAST WHEEL STOP (NO SCALE)



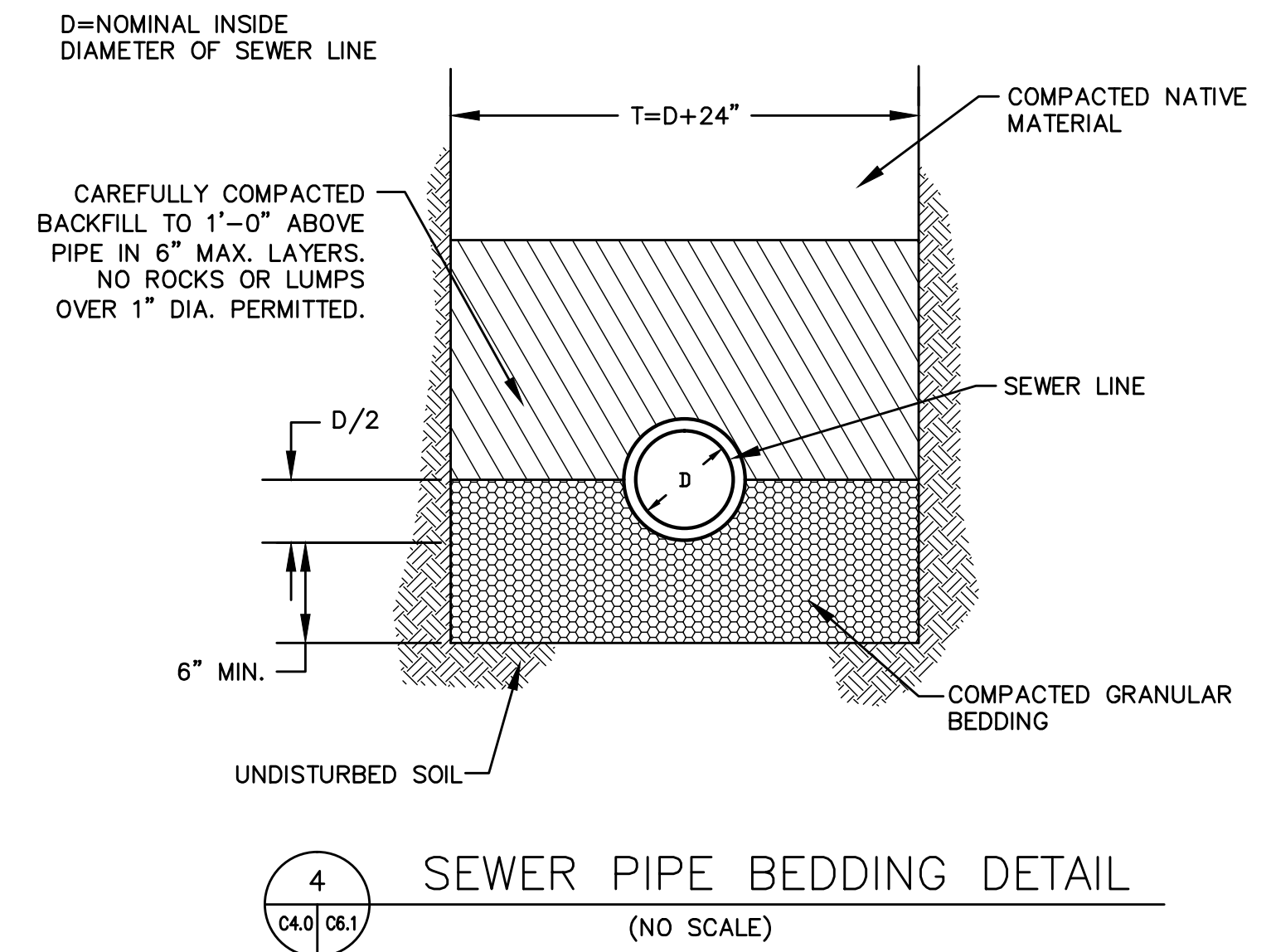
1 TYPICAL HANDICAP AND VAN-ACCESSIBLE PARKING SIGN (NO SCALE)



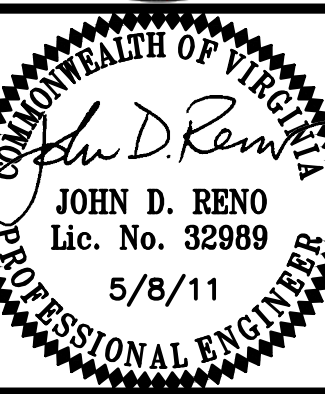
2 SURFACE TREATED (MACADAM) PAVEMENT SECTION (NO SCALE)



3 METAL SIGN POST INSTALLATION (NO SCALE)



4 SEWER PIPE BEDDING DETAIL (NO SCALE)



2 Bethesda Metro Center 1355 Beverly Road Suite 105 McLean, VA 22101  
Tel: 703.903.9100 Fax: 703.903.9755  
Tel: 240.223.0500 Fax: 240.223.0510

GRIMM + PARKER ARCHITECTS

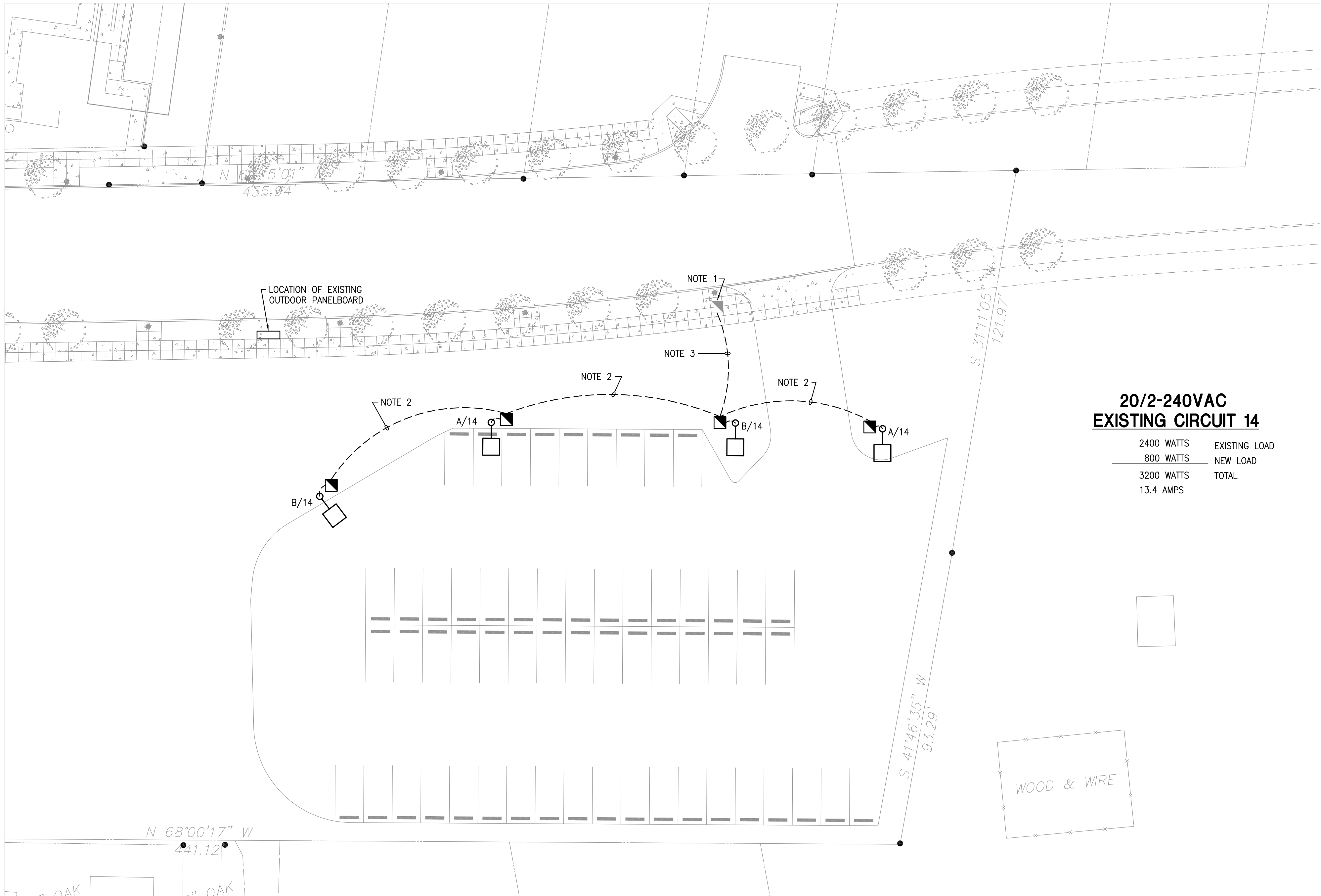
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PHRA# 15936-1-0

TYPICAL CONSTRUCTION DETAILS  
LIBRARY AVE. PARKING LOT (CROZET)  
ALBEMARLE COUNTY, VIRGINIA

DATE	DESCRIPTION
05.08.2011	BD DOCUMENTS
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C-6.1





**ELECTRICAL - SITE PLAN**  
SCALE: 1"=20'-0"

**GENERAL NOTES:**

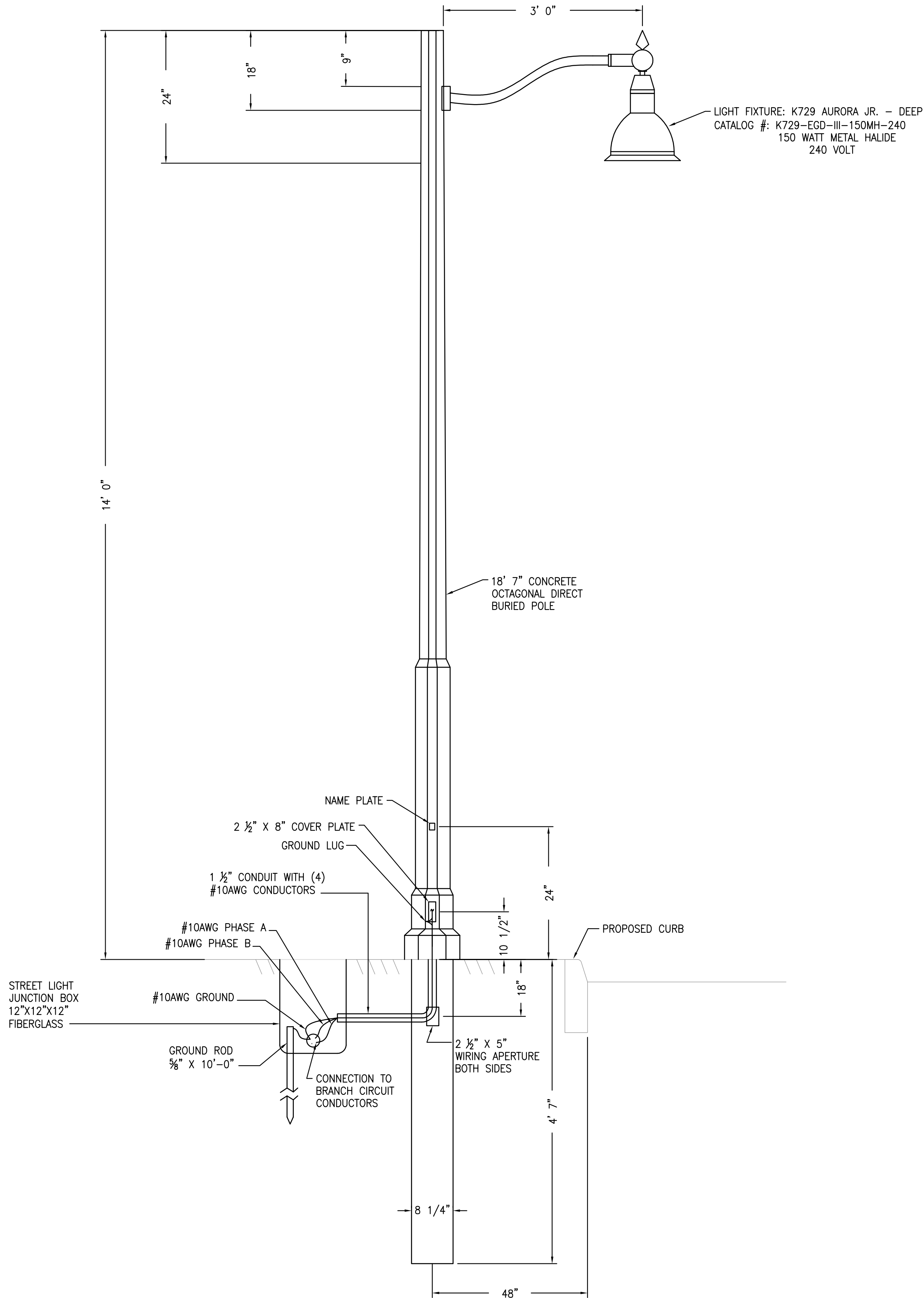
- A. ALL CONDUIT SHALL BE PVC.
- B. ALL WIRING SHALL BE THWN COPPER.

**PLAN NOTES:**

1. EXISTING STREET LIGHTING JUNCTION BOX. TERMINATE TO EXISTING CONDUCTORS.
2. ROUTE (2) #10 AWG, (1) #10 AWG GROUND IN 2" CONDUIT.
3. ROUTE (2) #4 AWG, (1) #4 GROUND IN 2" CONDUIT.

**ELECTRICAL LEGEND**

- □ POLE MOUNTED LIGHT FIXTURE.
- STREET LIGHT JUNCTION BOX 12"x12"x12" FIBERGLASS JUNCTION BOX.



**STREET LIGHT WIRING ELEVATION DETAIL**  
SCALE: NONE

