

LEGAL REFERENCE

Owner: Jesse D. Cahill
Inst. No. 160002511, H.C.C.C.C.O.

SHEET INDEX

1. COVER, NOTES, AND DETAILS
2. EXISTING CONDITIONS
3. PROPOSED IMPROVEMENTS AND UTILITY MASTER PLAN
4. GRADING, SWM AND E&S PLAN
5. OFFSITE COMPLIANCE AREA

E & S NOTES :

All soil erosion and sediment control measures shall be accomplished in strict accordance with the standards and specifications contained in the Virginia Erosion and Sediment Control Handbook, latest edition.

The approving authority may add to, delete, relocate, change, or otherwise modify certain erosion and sediment control measures where field conditions are encountered that warrant such modifications.

All soil erosion and sediment control measures as shown on the plan shall be placed in advance of the work being performed, as far as practical.

In no case during construction shall water runoff be diverted or allowed to flow to locations where adequate protection has not been provided.

It shall be the contractor's responsibility to leave the site adequately protected against erosion, sedimentation, or any damage to any adjacent property at the end of each day's work.

All dewatering activity shall be done through an approved filter.

The contractor shall make every effort to prevent sediment laden runoff from leaving the site.

RESPONSIBLE LAND DISTURBER :

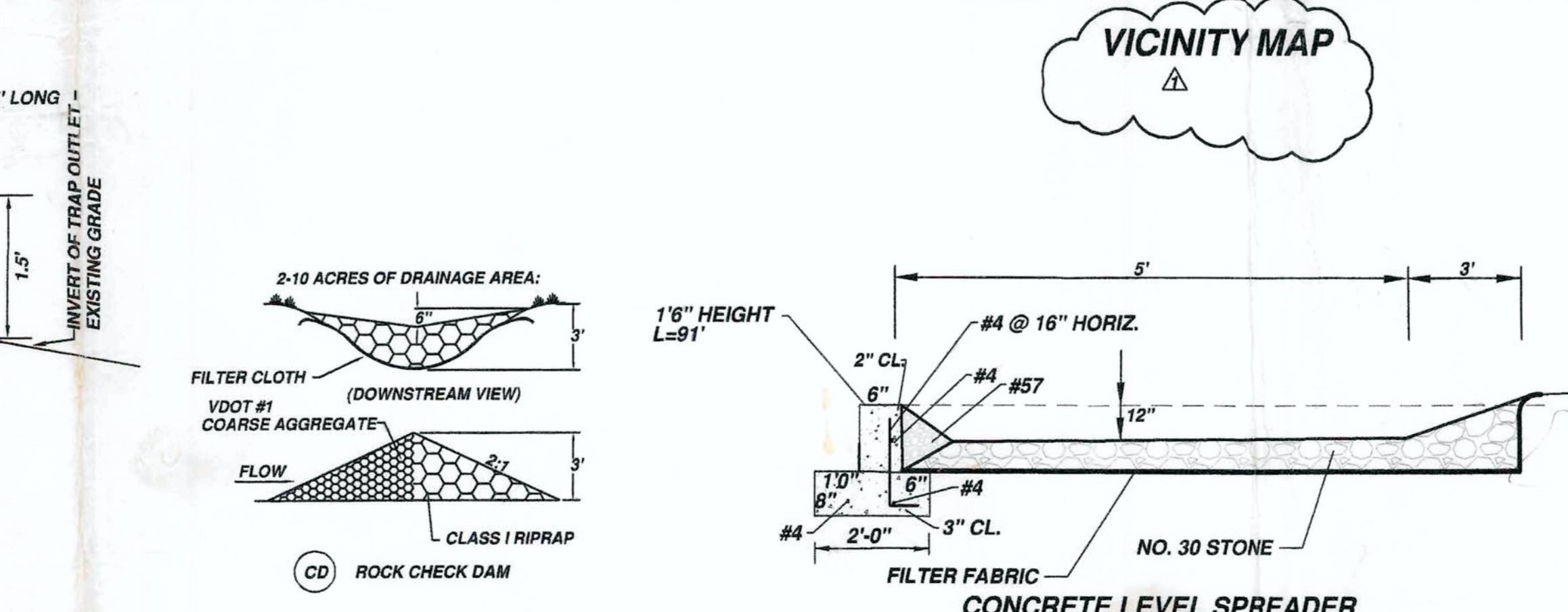
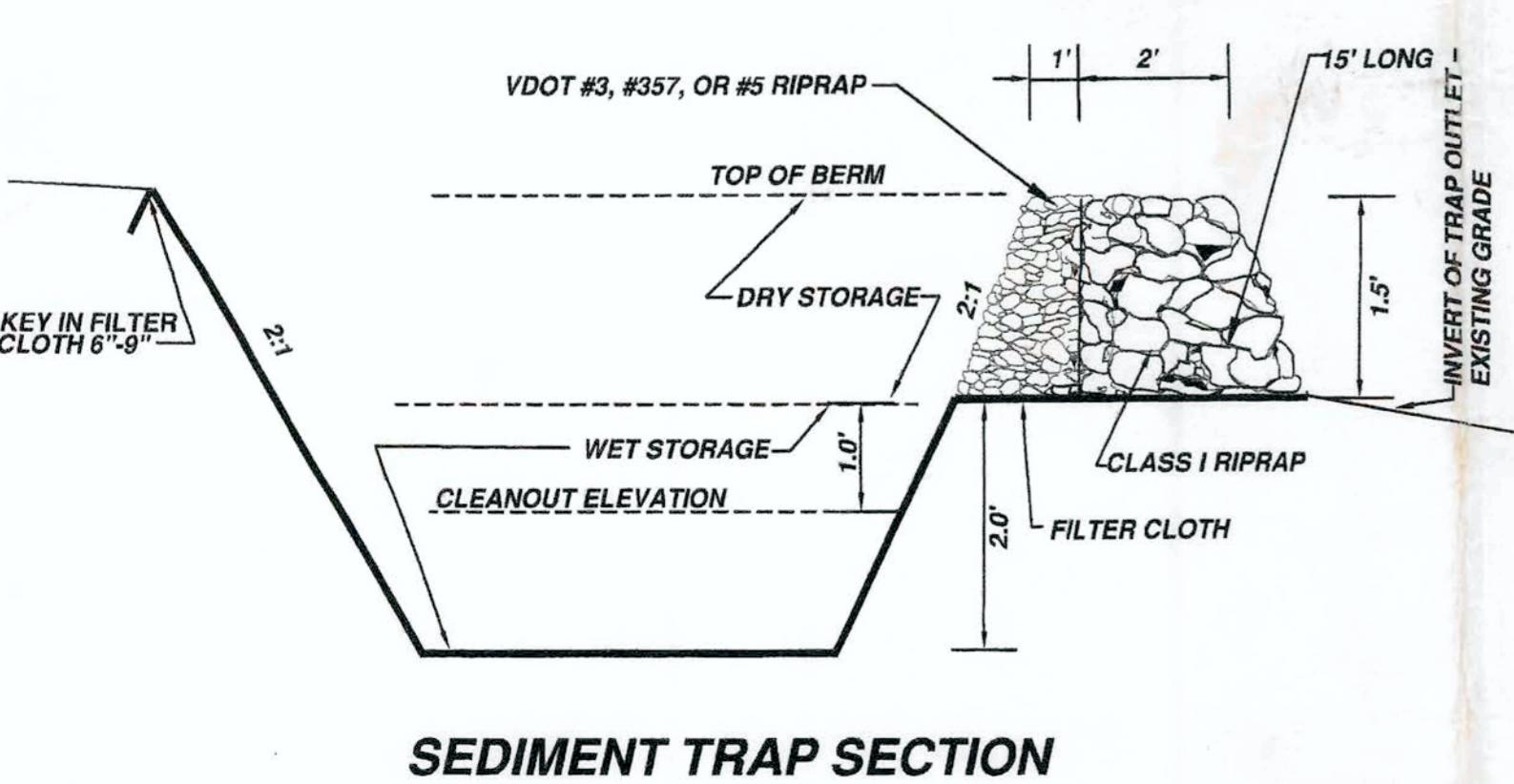
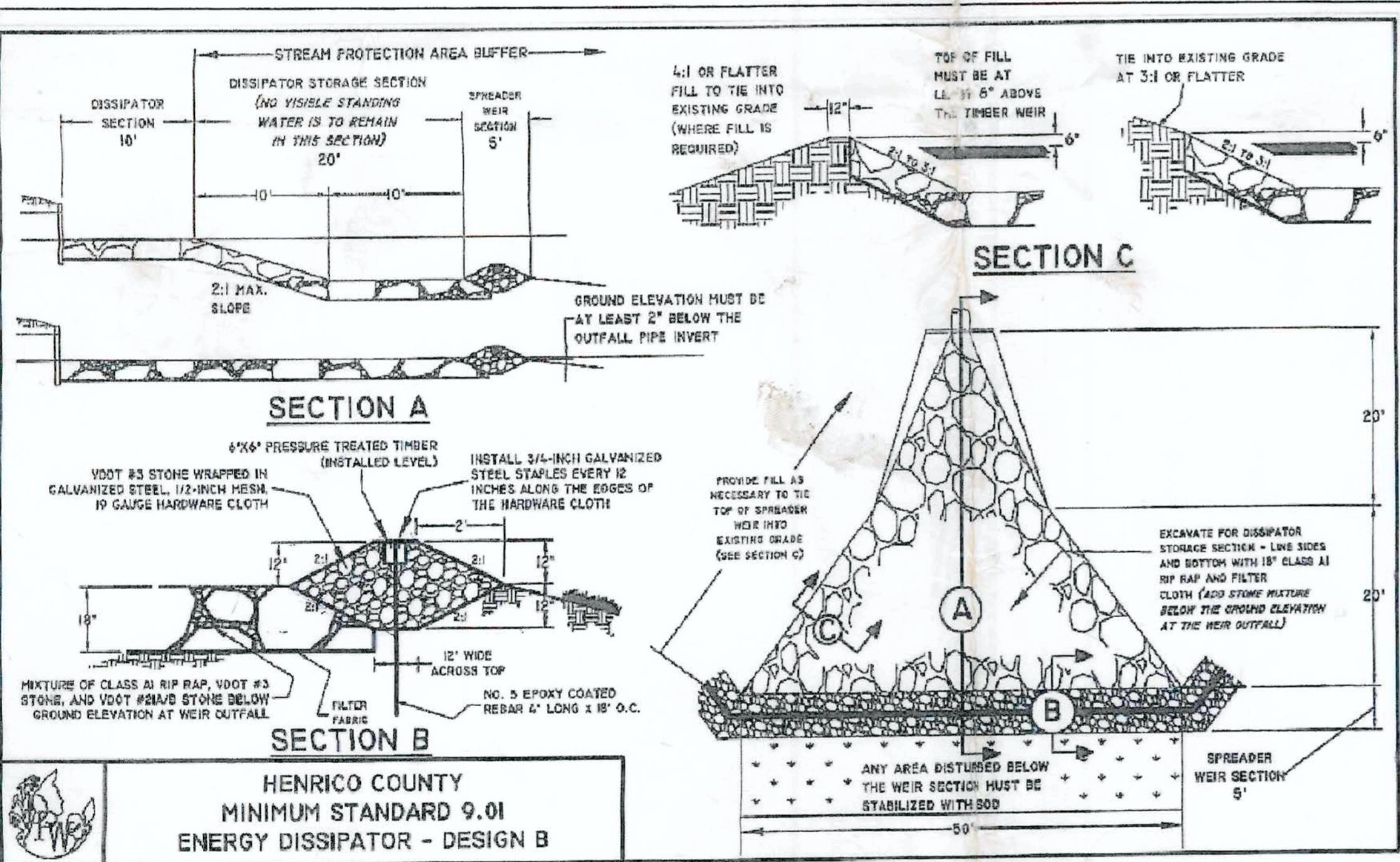
The Responsible Land Disturber (RLD) named by the owner or land disturbance permittee associated with this project shall be responsible for supervising inspections and maintenance of all required erosion and sediment control devices approved or prescribed the Erosion And Sediment Control Program Administrator, Plan Reviewer, or Inspector for Henry County throughout the duration of the project until final stabilization is achieved. Frequency of inspections by the RLD shall be every two weeks and after each rainfall event. Maintenance of all E&S controls shall be in accordance with the E&S handbook, current edition. The program Administrator or Inspector for Henry County may require inspection and maintenance logs from the RLD at any time.

RLD and Certificate Number

AREA TABULATION :

Pre-Development:
Total Area = 71.0 Acres
Undisturbed Wooded Area = 17.9 Acres
Managed Turf = 52.4 Acres
Impervious = 0.7 Acres

Post-Development:
Total Area = 71.0 Acres
Undisturbed Wooded Area = 17.9 Acres
Managed Turf = 43.0 Acres
Impervious = 10.1 Acres



NOTES

This Plan Does Constitute A Current Boundary And Topographic Survey By Christopher H. Waller, PE, LLS.

Part Of This Property Is Located Within A FEMA Designated Flood Zone (Zone A). Elevation And Location Shown Were Taken From The Flood Insurance Rate Map 51089C0130C For Henry County Virginia, Dated September 26, 2008.

The Contractor Shall Provide A Smooth Transition Between Existing And Proposed Drive Surfaces.

This Project Is To Be Constructed In Complete Compliance With Henry County, Virginia, The Virginia Department of Transportation, The Virginia Department of Conservation and Recreation, and The Virginia Erosion and Sediment Control Handbook, latest edition. The Contractor Is Responsible For Obtaining All Applicable Permits. The Contractor Is Responsible For Supplying Sufficient Information To The Virginia Department of Transportation To Determine Entrance and Road Design Features To Adequately Serve The Existing Roadway And The Proposed Development. It Shall Be The Contractor's Responsibility To Obtain All Necessary Permits.

All Field Stakeout For This Project Shall Be The Contractor's Responsibility.

No Underground Utilities Or Structures Were Located At The Time This Plan Was Prepared, And No Guarantee Is Made As To The Existence Or Nonexistence Of Any Such Underground Utilities Or Structures Shown Or Not Shown. The Contractor Is To Contact Miss Utility At Least 48 Hours Prior To The Start Of Construction.

The Replacement, Protection, Connection To, And/Or Relocation Of Any And All Utilities Or Structures Shall Be The Contractor's Responsibility. All Work Is To Be Coordinated With The respective Utility Company.

The Contractor Shall Be Responsible For Raising And/Or Lowering Utility And Drainage Structures To Meet Final Grade.

Finished Contours And Spot Grades As Shown On This Plan Are Intended As A Guide Only And The Contractor May Change Them To Ensure Positive Drainage To Approved Erosion And Sediment Control Devices.

All Materials And Construction Methods Shall Meet, Or Exceed The Virginia Department Of Transportation's Road And Bridge Specifications (Latest Edition) And Work Area Protection Manual (Latest Edition).

All Fills Shall Be Made With Select Fill. All Compactions Shall Be Proof Rolled And Made At 95 % Of The Maximum Density, In 8" Lifts, Using The Modified Proctor Test.

The Contractor Is Directed To Dig And Locate All Utilities In Advance Of Pipelaying To Allow For Adjustments Due To Conflicts With Existing Utilities. Should A Conflict Arise, The Contractor Shall Notify The Engineer And Henry County.

Tax Map Designations = 27.6-149 Current Zoning = Agricultural (A1) With A Special Use Permit.

Lot And Long Of Entrance Intersection = 36.736745 And -79.958270

EROSION AND SEDIMENT CONTROL NARRATIVE :

PROJECT DESCRIPTION

The project consists of the construction of a RV Park/Campground

EXISTING SITE CONDITIONS

The existing site is clear, flat, with a previously denuded cornfield serving as cover.

ADJACENT PROPERTIES

The site is bounded to the north by The Smith River, to the east by property owned by Eastman Chemical, to the south by Route 882, and to the west by Route 903.

OFF-SITE AREAS

This site is anticipated to export topsoil and import suitable material. The Rich Acres Commercial Borrow/Fill Site is Proposed To Support This Project (Permitted Construction GP In Place).

Critical Erosion Areas

Drainage from the disturbed area shall leave the site via the adjacent receiving waters. All efforts shall be made to prevent sediment laden runoff from leaving the property and entering The Smith River.

EROSION AND SEDIMENT CONTROL MEASURES

All measures to be in accordance with the Virginia Erosion and Sediment Control Handbook, latest edition.

1. Temporary Construction Entrance (Section 3.02)
One temporary construction entrance will be installed to prevent sediment from leaving the site via the construction vehicles. Vehicles will be washed (as required) to limit traffic onto the barrier.

2. Silt Fence (Section 3.08)
Temporary silt fences will be installed as indicated on the plan. Silt fence will filter sediment laden runoff.

Temporary Seeding (Section 3.31)

Temporary seeding will be placed on all disturbed areas that will not be brought to final grade within 30 days. Temporary seeding will aid in the reduction of dust and sediment.

4. Permanent Seeding (Section 3.32)
After final grading, permanent seeding will be employed to reduce erosion and sediment

5. Construction Road Stabilization (Section 3.03)
All roads and parking areas on the site shall be stabilized with gravel immediately after grading. Traffic is prohibited from entering drainage swales or streams unless absolutely necessary.

PERMANENT STABILIZATION

All areas disturbed by construction which do not receive buildings or paving shall be stabilized with permanent seeding as specified by the Virginia Erosion and Sediment Control Handbook, current edition. All seeding shall be tacked and mulched and placed immediately after reaching finished grade.

STORMWATER MANAGEMENT

This site has natural receiving channel that is adequate. The Level Spreaders shown eliminate concentrated flows from leaving the site during a 10-year storm.

Therefore, stormwater quantity management is not required. Further, this project proposes a disturbance of more than one acre in size; therefore, a DEQ GP and accompanying SWPPP are required and are prepared as part of this plan. Runoff Reduction Conserved Open Space Will Serve As The Site's BMP.

MAINTENANCE

In general, all erosion and sediment control measures will be checked daily and after each significant rainfall. In particular:

Silt fence will be checked regularly for undermining or deterioration of the fabric. Sediment shall be removed when the level of sediment deposition reaches halfway to the top of the barrier.

The seeded areas shall be checked regularly to ensure that a good stand is maintained. Areas should be fertilized and reseeded as needed.

The contractor shall inspect all erosion control devices immediately after each significant rainfall and daily during periods of prolonged or heavy rainfall and repair all structures as necessary within 48 hours.

All soil stockpile areas are to be stabilized.

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All soil stockpile areas are to be stabilized.

COMPLIANCE NOTES :

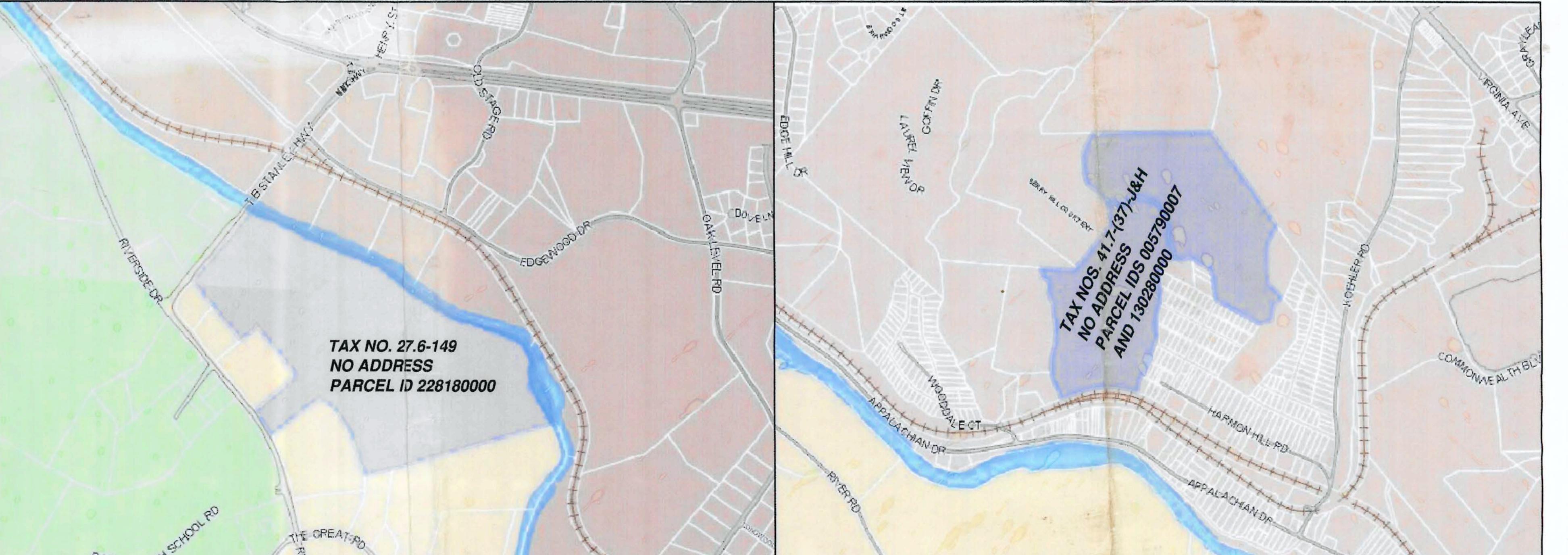
Contractor Shall Provide New Materials And Workmanship In Conformance With All Applicable Codes, State And Federal Laws, Local Ordinances, Industry Standards, And Other Criteria Which Would Normally Apply To The Work Of This Nature. Notify The Engineer Immediately Upon Discovering A Conflict In Codes, Ordinances, Standards, Or Other Criteria. Applicable Codes And Standards Include, But Are Not Limited To The Following:

- a. DEQ - The Department of Environmental Quality
- b. Henry County
- c. VDOA - Virginia Department Of Transportation Standards And Specifications
- d. Virginia Erosion And Sediment Control Handbook
- e. OSHA - Occupational Safety And Health Administration
- f. ASTM - American Society For Testing And Materials
- g. DCR - The Department Of Conservation And Recreation.

TAX MAP DESIGNATIONS = 27.6-149 CURRENT ZONING = AGRICULTURAL (A1) WITH A SPECIAL USE PERMIT.

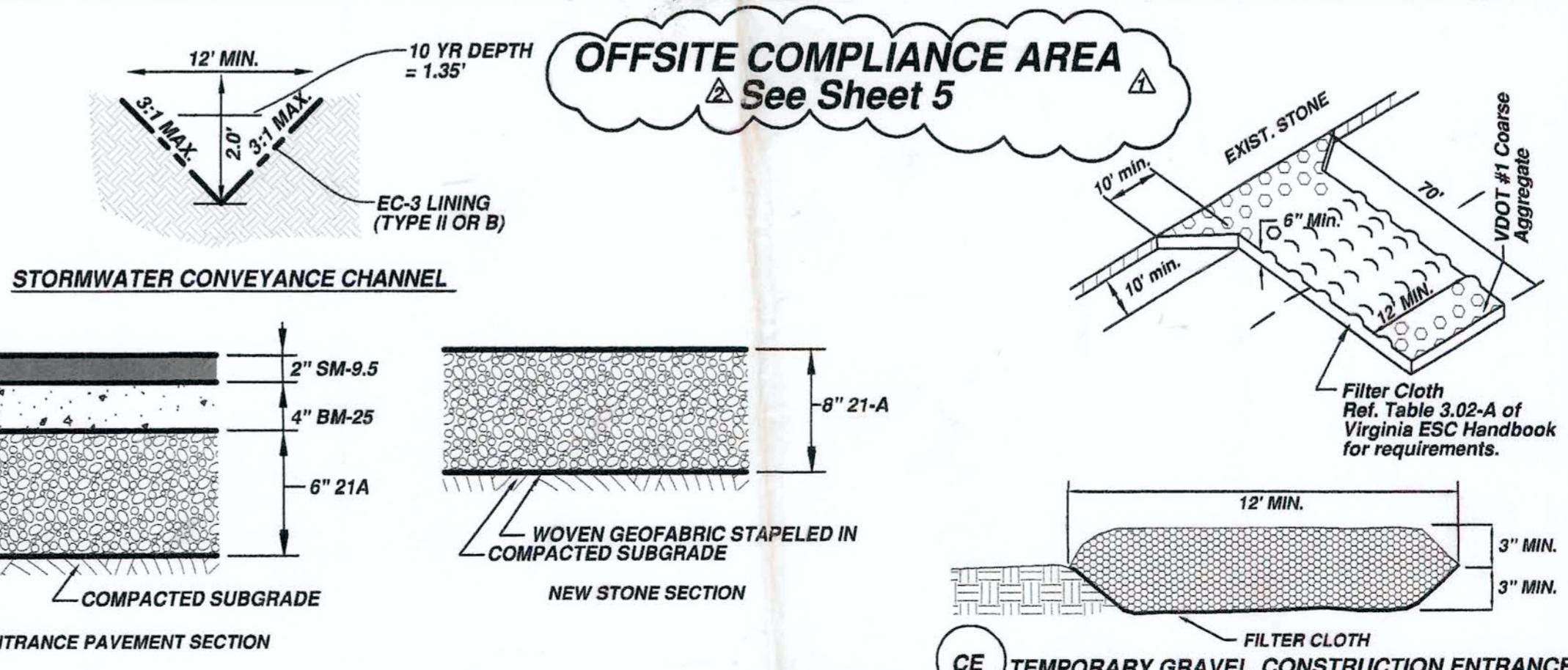
LOT AND LONG OF ENTRANCE INTERSECTION = 36.736745 AND -79.958270

SECTION C



OFFSITE COMPLIANCE AREA

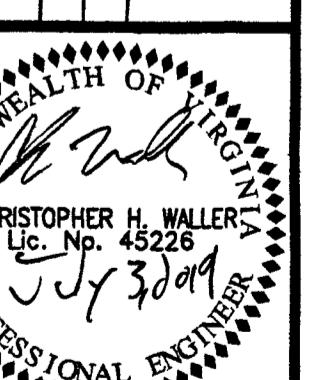
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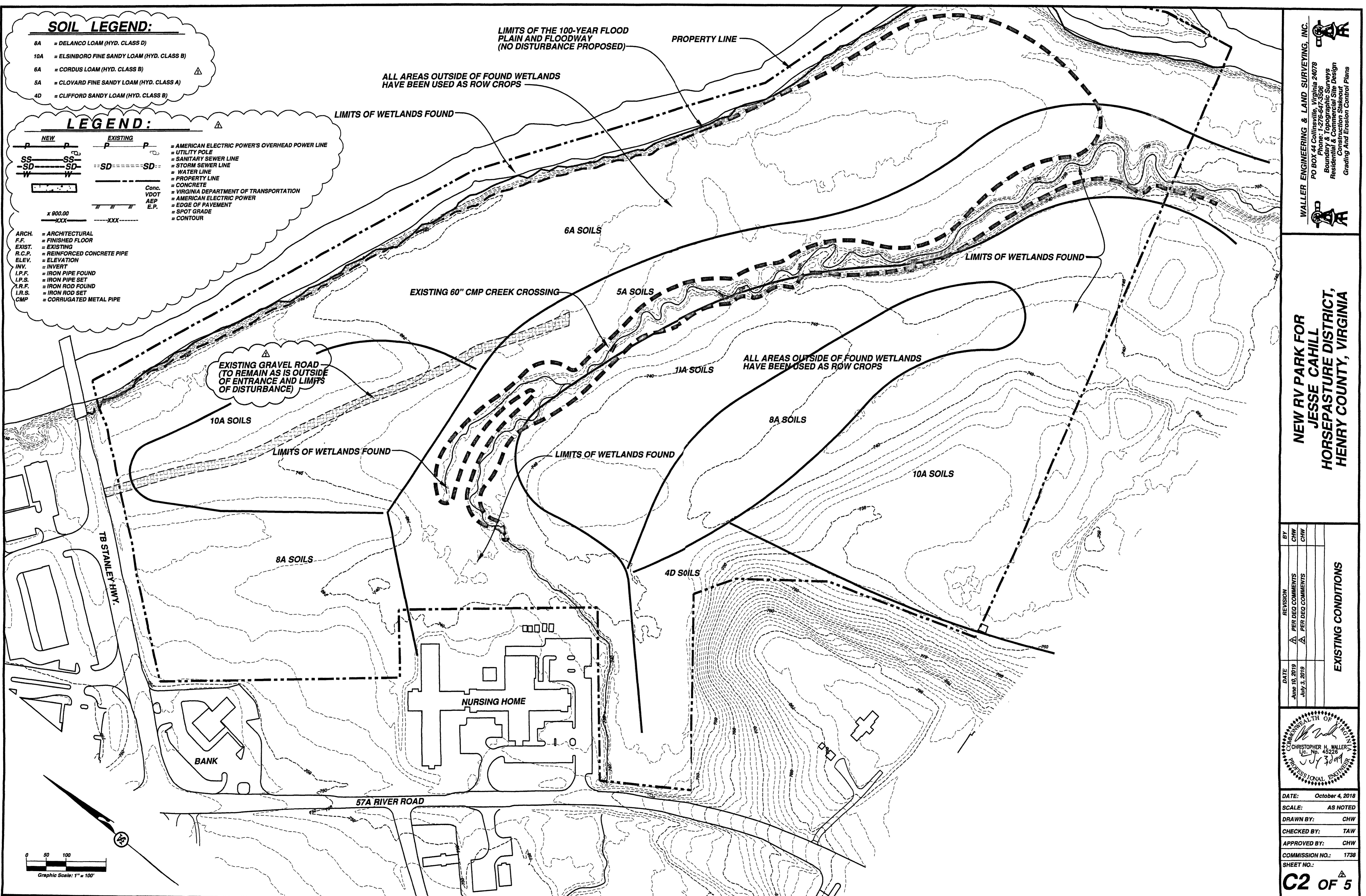
**NEW RV PARK FOR
JESSE CAHILL
HORSEPASTURE DISTRICT,
HENRY COUNTY, VIRGINIA**

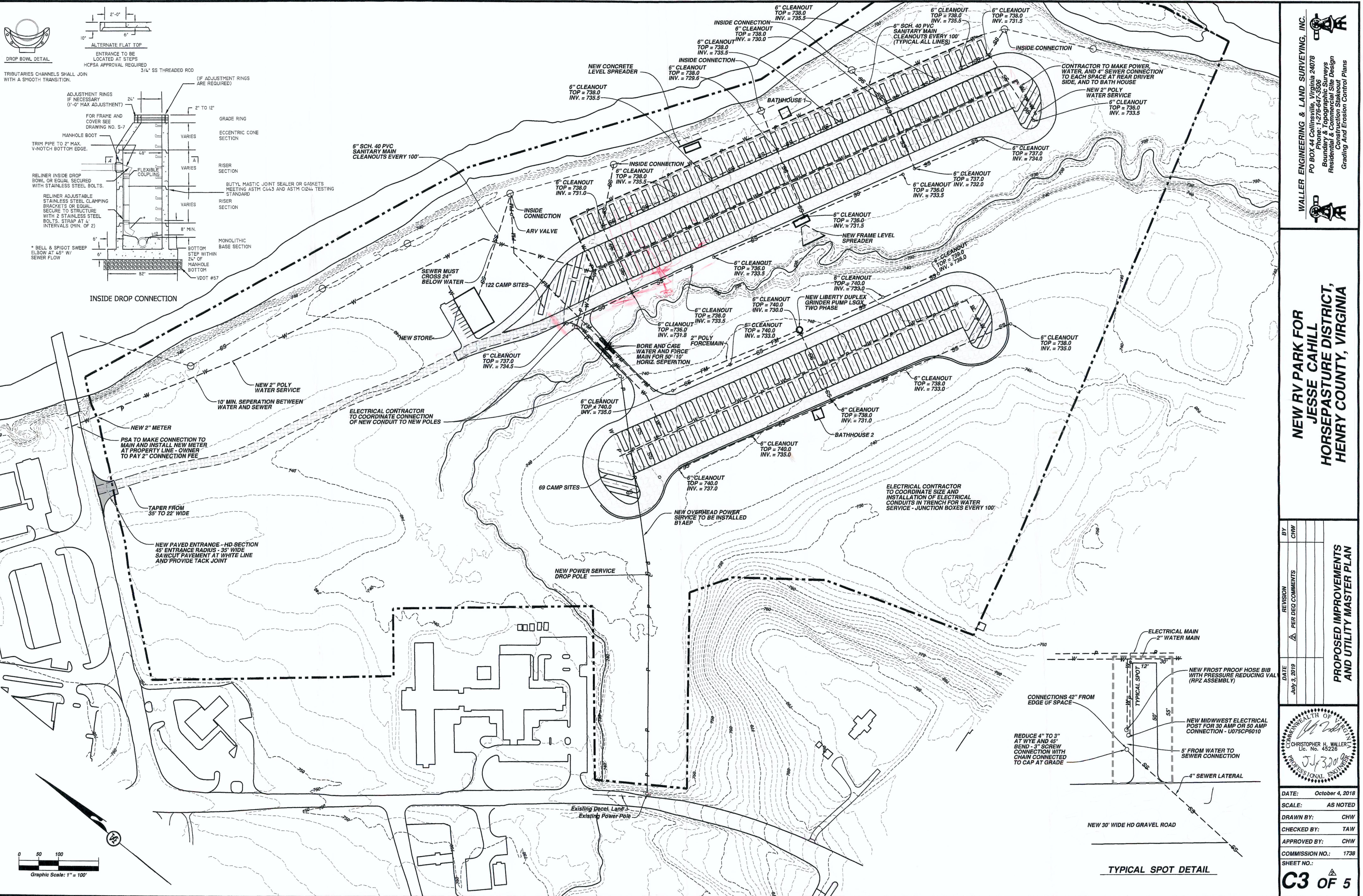
EXISTING CONDITIONS

DATE	REVISION	BY
June 10, 2019	△ PER DEQ COMMENTS	CHW
July 3, 2019	△ PER DEQ COMMENTS	CHW



DATE: October 4, 2018
 SCALE: AS NOTED
 DRAWN BY: CHW
 CHECKED BY: TAW
 APPROVED BY: CHW
 COMMISSION NO.: 1738
 SHEET NO.: C2 OF 5



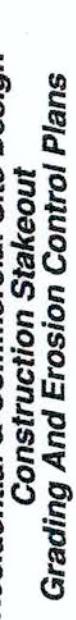


**NEW RV PARK FOR
JESSE CAHILL
HORSEPASTURE DISTRICT,
HENRY COUNTY, VIRGINIA**

ALLER ENGINEERING & LAND SURVEYING, INC.

PO BOX 44 Collinsville, Virginia 24078
Phone: 1-276-647-3506

Boundary & Topographic Surveys
Residential & Commercial Site Design
Construction Stakeout
Grading And Erosion Control Plans

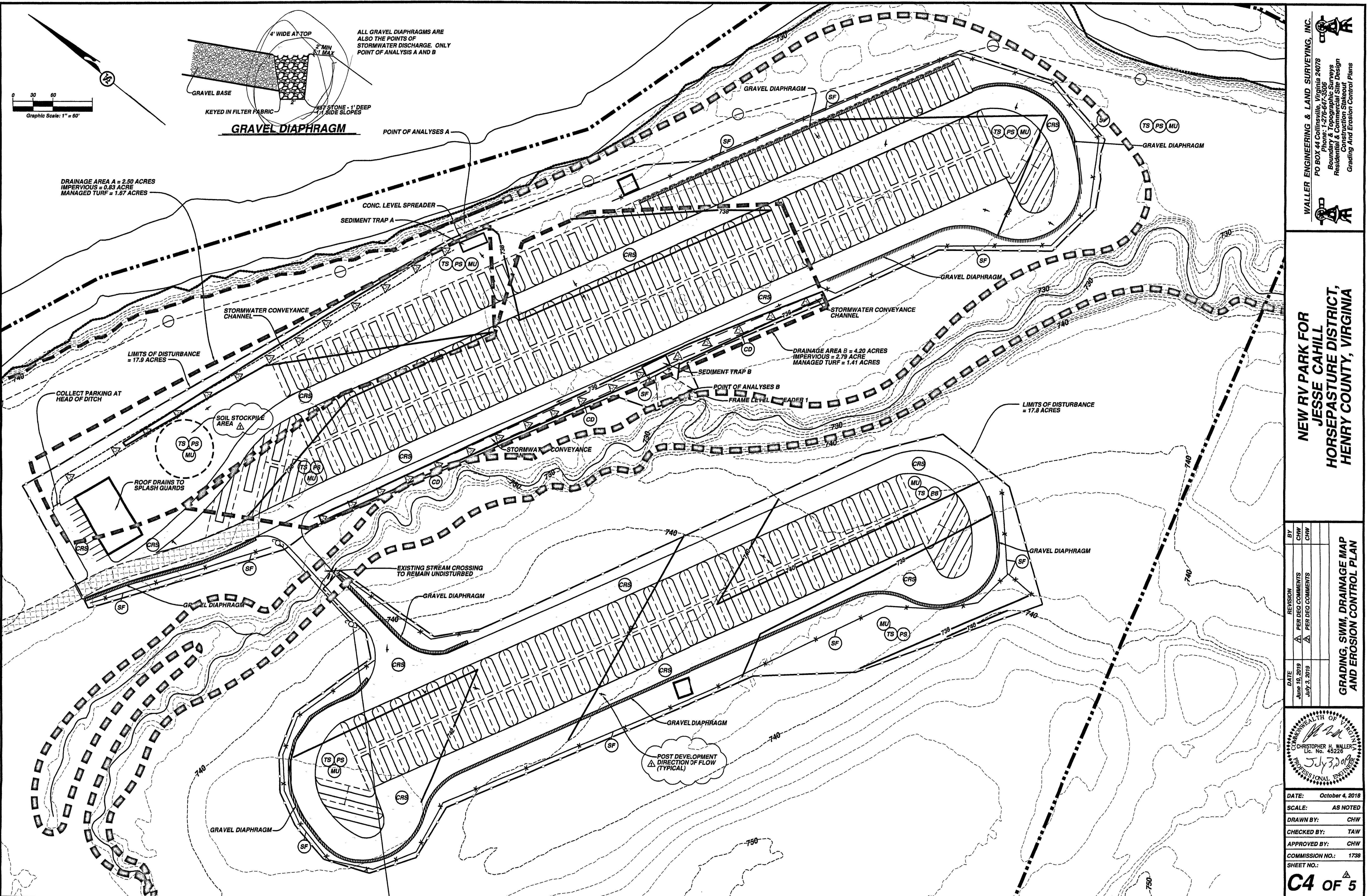


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Line	Length	Bearing
L1	55.29'	N26°51'01"E
L2	60.52'	N41°22'00"W
L3	78.53'	N33°32'33"W
L4	153.70'	N03°17'10"W
L5	164.96'	N24°24'20"E
L6	35.58'	N09°15'41"E
L7	114.22'	N10°02'59"E
L8	134.90'	N04°19'31"W
L9	127.34'	N09°36'04"W
L10	57.05'	N31°43'55"W
L11	29.15'	N34°53'19"W
L12	55.79'	N00°49'59"W
L13	45.50'	N00°07'49"E
L14	300.83'	N68°29'17"E
L15	458.29'	N44°53'39"E
L16	173.54'	N00°13'33"W
L17	31.24'	S37°17'01"W
L18	36.54'	N69°42'38"W
L19	164.52'	N37°05'35"W
L20	44.43'	N70°28'10"W
L21	20.10'	N02°50'10"E
L22	83.08'	N03°09'15"E
L23	1.00'	N19°13'48"W
L24	987.52'	S69°29'42"E
L25	835.08'	S45°40'46"E
L26	620.29'	S35°21'10"W
L27	319.19'	N69°06'57"W
L28	203.91'	N04°37'12"W
L29	178.79'	N82°07'13"W
L30	840.17'	S20°12'53"W
L31	291.79'	S26°26'59"W
L32	476.25'	N89°14'51"W
L33	157.38'	S72°38'44"W
L34	54.10'	N11°38'04"W

SOIL LEGEND:

- 21E = WOOLWINE CLIFFORD 25-45% (HYD. CLASS B) = 33.75
 21D = WOOLWINE CLIFFORD 15-25% (HYD. CLASS C) = 17.76
 21C = WOOLWINE CLIFFORD 7-15% (HYD. CLASS B) = 8.23

TOTAL = 59.74 ACRES

WALLER ENGINEERING & LAND SURVEYING, INC.
 PO BOX 44 Collinstown, Virginia 24078
 Phone: 1-276-647-3506
 Boundary & Topographic Surveys
 Residential & Commercial Site Design
 Construction Stakeout
 Grading And Erosion Control Plans

**NEW RV PARK FOR
JESSE CAHILL
HORSEPASTURE DISTRICT,
HENRY COUNTY, VIRGINIA**

OFFSITE COMPLIANCE LAYOUT
 DATE: July 3, 2019 BY: CHW
 REVISION: ▲ PER DECO COMMENTS
 DRAWN BY: CHW
 CHECKED BY: TAW
 APPROVED BY: CHW
 COMMISSION NO.: 1738
 SHEET NO.: C5 OF 5

DATE: October 4, 2016
 SCALE: AS NOTED
 DRAWN BY: CHW
 CHECKED BY: TAW
 APPROVED BY: CHW
 COMMISSION NO.: 1738
 SHEET NO.: C5 OF 5

CHRISTOPHER H. WALLER
 Lic. No. 45226
 JULY 3, 2019
 PROFESSIONAL ENGINEER