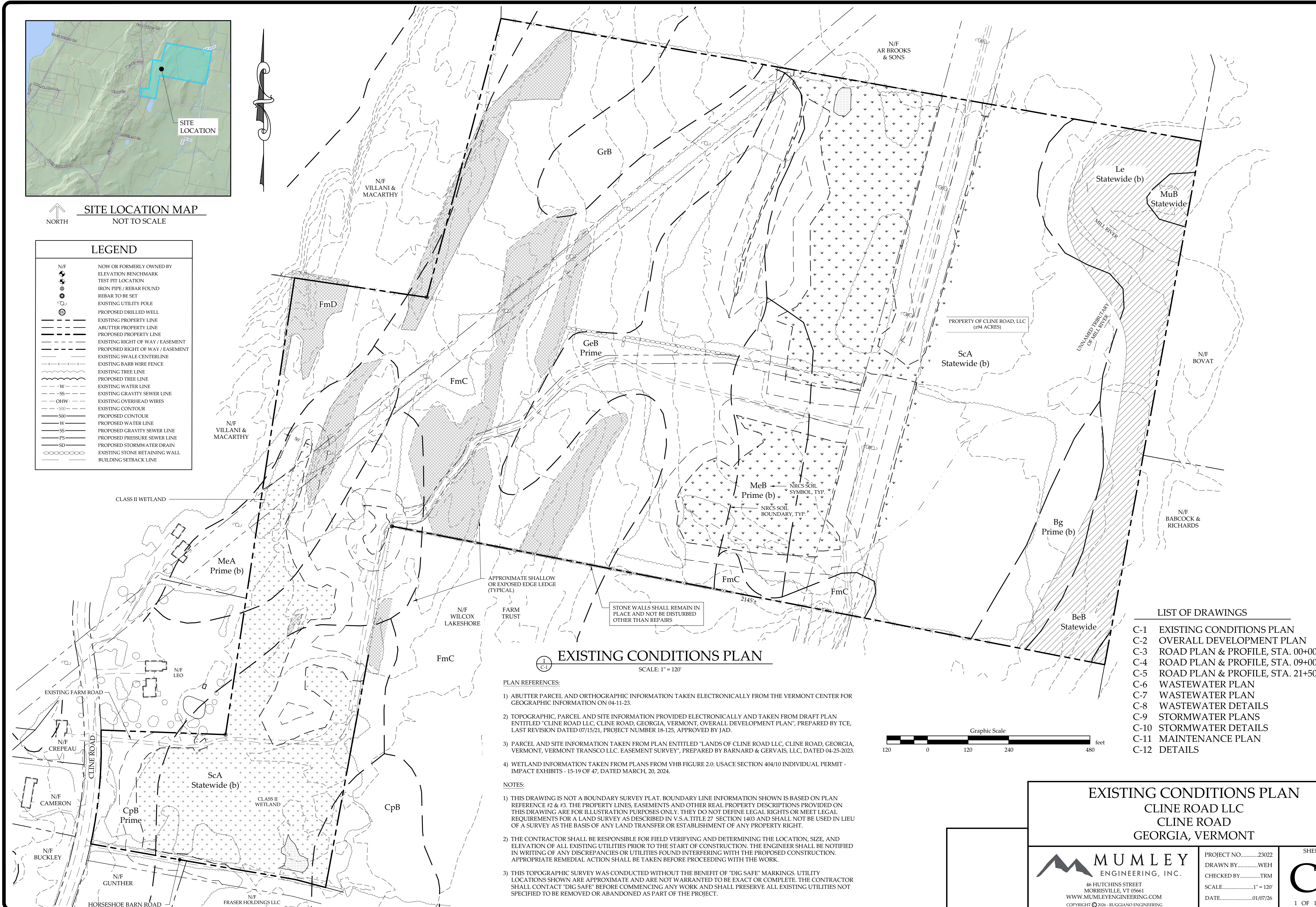


**SITE LOCATION MAP**  
NOT TO SCALE

LEGEND	
N/F	NOW OR FORMERLY OWNED BY
⊕	ELEVATION BENCHMARK
⊕	TEST PIT LOCATION
⊕	IRON PIPE / REBAR FOUND
⊕	REBAR TO BE SET
⊕	EXISTING UTILITY POLE
⊕	PROPOSED DRILLED WELL
---	EXISTING PROPERTY LINE
---	ADJUTER PROPERTY LINE
---	PROPOSED PROPERTY LINE
---	EXISTING RIGHT OF WAY / EASEMENT
---	PROPOSED RIGHT OF WAY / EASEMENT
---	EXISTING SWALE CENTERLINE
---	EXISTING BARB WIRE FENCE
---	EXISTING TREE LINE
---	PROPOSED TREE LINE
-W-	EXISTING WATER LINE
-SS-	EXISTING GRAVITY SEWER LINE
-OHW-	EXISTING OVERHEAD WIRES
-500-	EXISTING CONTOUR
-500-	PROPOSED CONTOUR
-W-	PROPOSED WATER LINE
-SS-	PROPOSED GRAVITY SEWER LINE
-PS-	PROPOSED PRESSURE SEWER LINE
-SD-	PROPOSED STORMWATER DRAIN
⊕	EXISTING STONE RETAINING WALL
---	BUILDING SETBACK LINE



**EXISTING CONDITIONS PLAN**  
SCALE: 1" = 120'

**PLAN REFERENCES:**

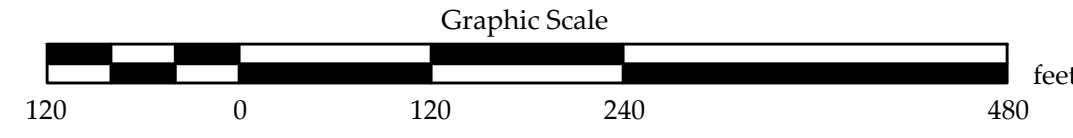
- 1) ABUTTER PARCEL AND ORTHOGRAPHIC INFORMATION TAKEN ELECTRONICALLY FROM THE VERMONT CENTER FOR GEOGRAPHIC INFORMATION ON 04-11-23.
- 2) TOPOGRAPHIC, PARCEL AND SITE INFORMATION PROVIDED ELECTRONICALLY AND TAKEN FROM DRAFT PLAN ENTITLED "CLINE ROAD LLC, CLINE ROAD, GEORGIA, VERMONT, OVERALL DEVELOPMENT PLAN", PREPARED BY TCE, LAST REVISION DATED 07/15/21, PROJECT NUMBER 18-125, APPROVED BY JAD.
- 3) PARCEL AND SITE INFORMATION TAKEN FROM PLAN ENTITLED "LANDS OF CLINE ROAD LLC, CLINE ROAD, GEORGIA, VERMONT, VERMONT TRANSCO LLC, EASEMENT SURVEY", PREPARED BY BARNARD & GERVAIS, LLC, DATED 04-25-2023.
- 4) WETLAND INFORMATION TAKEN FROM PLANS FROM VHB FIGURE 2.0: USACE SECTION 404/10 INDIVIDUAL PERMIT - IMPACT EXHIBITS - 15-19 OF 47, DATED MARCH, 20, 2024.

**NOTES:**

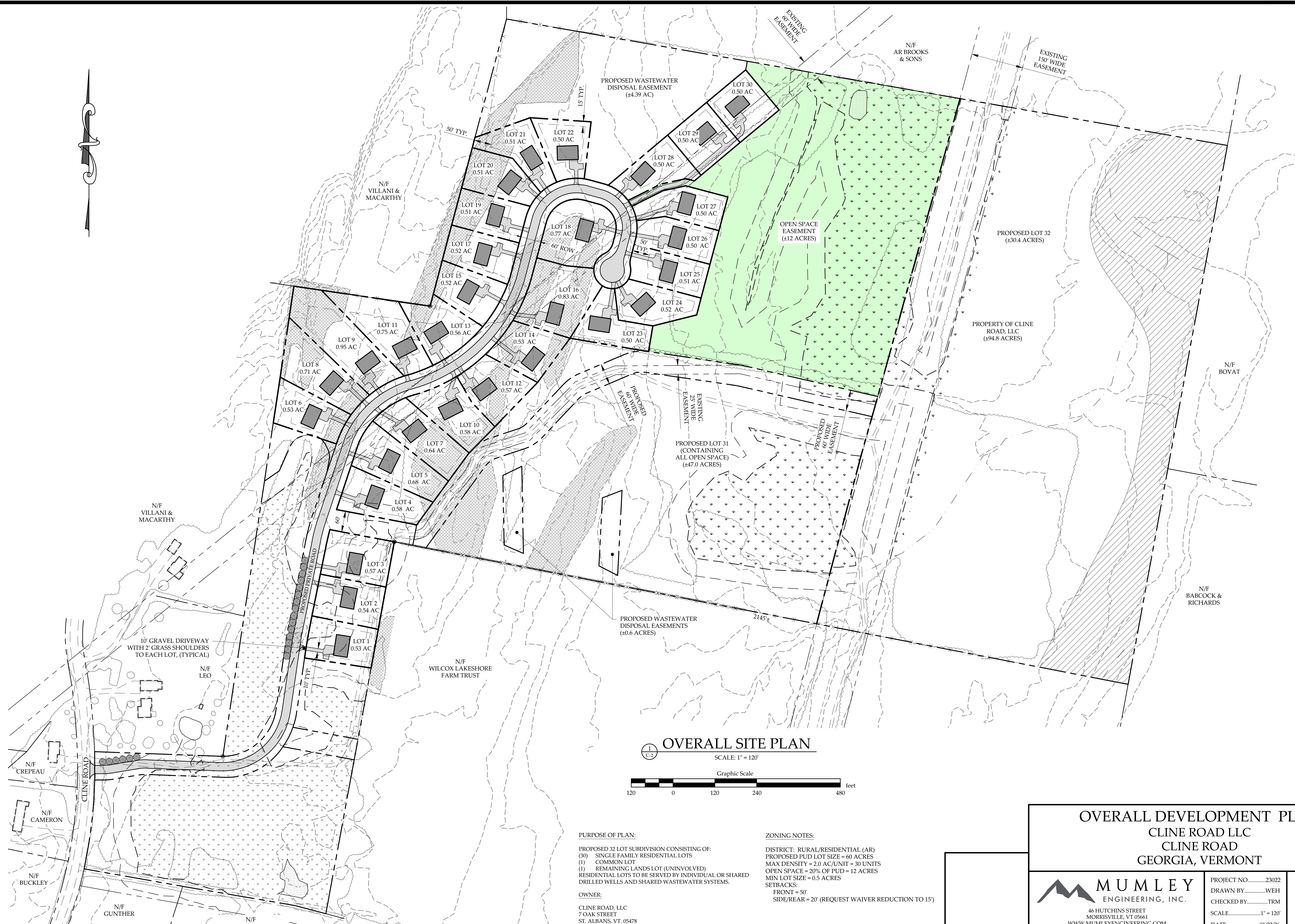
- 1) THIS DRAWING IS NOT A BOUNDARY SURVEY PLAT. BOUNDARY LINE INFORMATION SHOWN IS BASED ON PLAN REFERENCE #2 & #3. THE PROPERTY LINES, EASEMENTS AND OTHER REAL PROPERTY DESCRIPTIONS PROVIDED ON THIS DRAWING ARE FOR ILLUSTRATION PURPOSES ONLY. THEY DO NOT DEFINE LEGAL RIGHTS OR MEET LEGAL REQUIREMENTS FOR A LAND SURVEY AS DESCRIBED IN V.S.A. TITLE 27 SECTION 1403 AND SHALL NOT BE USED IN LIEU OF A SURVEY AS THE BASIS OF ANY LAND TRANSFER OR ESTABLISHMENT OF ANY PROPERTY RIGHT.
- 2) THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING AND DETERMINING THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES OR UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION. APPROPRIATE REMEDIAL ACTION SHALL BE TAKEN BEFORE PROCEEDING WITH THE WORK.
- 3) THIS TOPOGRAPHIC SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF "DIG SAFE" MARKINGS. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE NOT WARRANTED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT "DIG SAFE" BEFORE COMMENCING ANY WORK AND SHALL PRESERVE ALL EXISTING UTILITIES NOT SPECIFIED TO BE REMOVED OR ABANDONED AS PART OF THE PROJECT.

**LIST OF DRAWINGS**

- C-1 EXISTING CONDITIONS PLAN
- C-2 OVERALL DEVELOPMENT PLAN
- C-3 ROAD PLAN & PROFILE, STA. 00+00 - 09+00
- C-4 ROAD PLAN & PROFILE, STA. 09+00 - 21+50
- C-5 ROAD PLAN & PROFILE, STA. 21+50 - 25+80
- C-6 WASTEWATER PLAN
- C-7 WASTEWATER PLAN
- C-8 WASTEWATER DETAILS
- C-9 STORMWATER PLANS
- C-10 STORMWATER DETAILS
- C-11 MAINTENANCE PLAN
- C-12 DETAILS

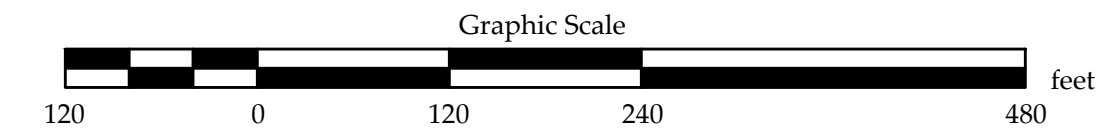


<b>EXISTING CONDITIONS PLAN</b> CLINE ROAD LLC CLINE ROAD GEORGIA, VERMONT		
 <b>MUMLEY</b> ENGINEERING, INC. <small>46 HUTCHINS STREET MORRISVILLE, VT 05661 WWW.MUMLEYENGINEERING.COM COPYRIGHT © 2025 - RUGGIANO ENGINEERING</small>	PROJECT NO. ....23022 DRAWN BY .....WEH CHECKED BY .....TRM SCALE .....1" = 120' DATE .....01/07/26	SHEET NO. <h1 style="font-size: 2em;">C-1</h1> 1 OF 12 SHEETS



### OVERALL SITE PLAN

SCALE: 1" = 120'



#### PURPOSE OF PLAN:

PROPOSED 32 LOT SUBDIVISION CONSISTING OF:  
(30) SINGLE FAMILY RESIDENTIAL LOTS  
(1) COMMON LOT  
(1) REMAINING LANDS LOT (UNINVOLVED)  
RESIDENTIAL LOTS TO BE SERVED BY INDIVIDUAL OR SHARED DRILLED WELLS AND SHARED WASTEWATER SYSTEMS.

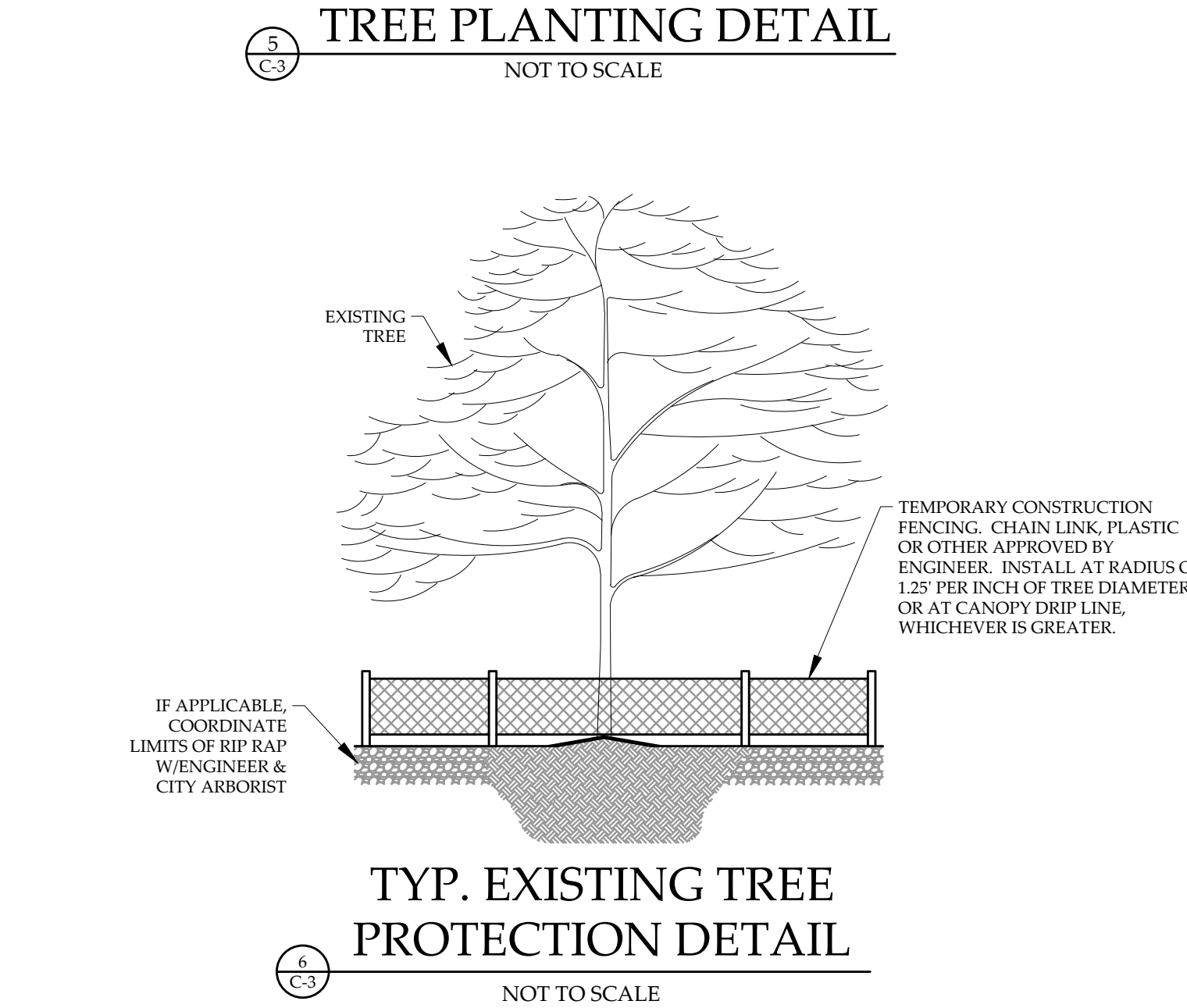
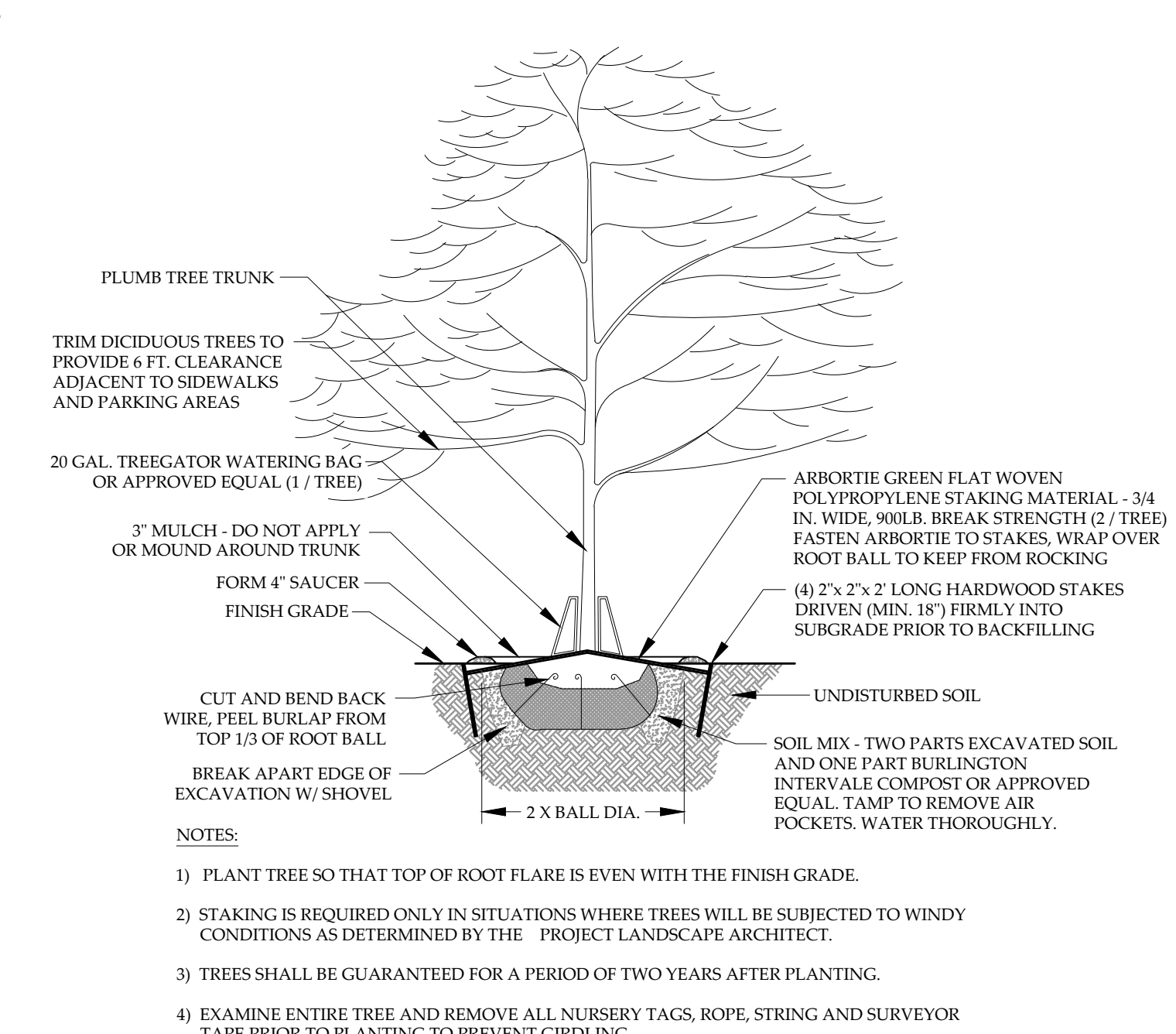
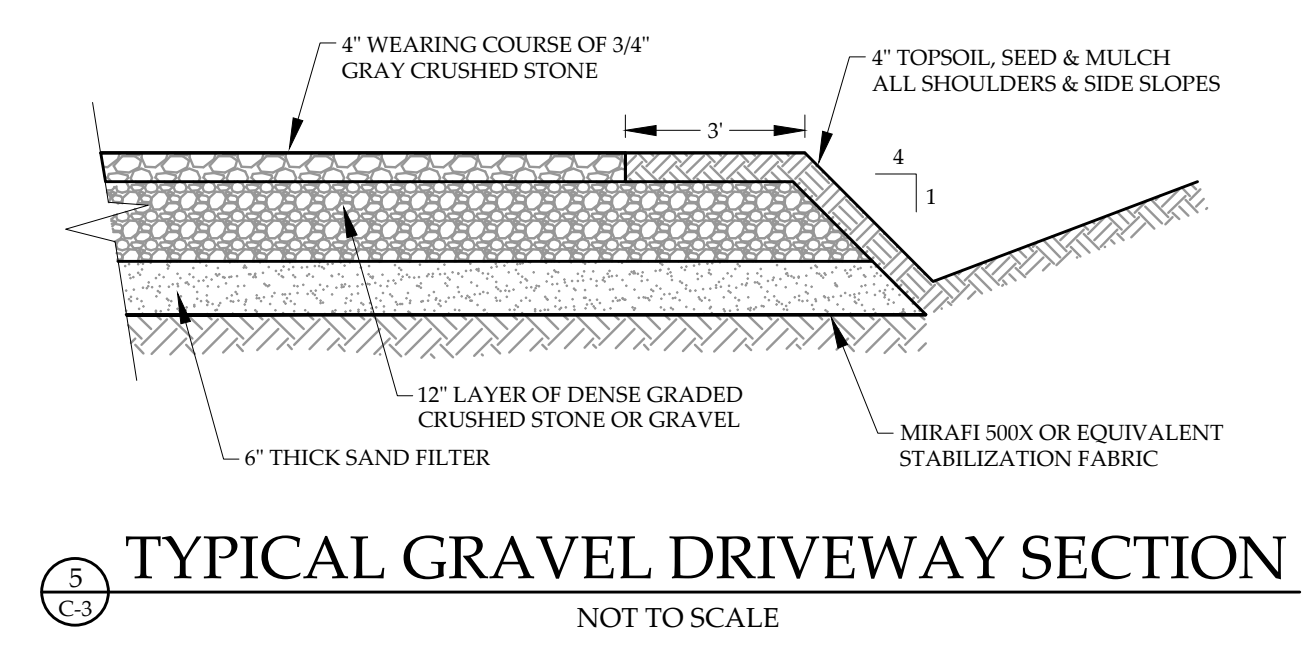
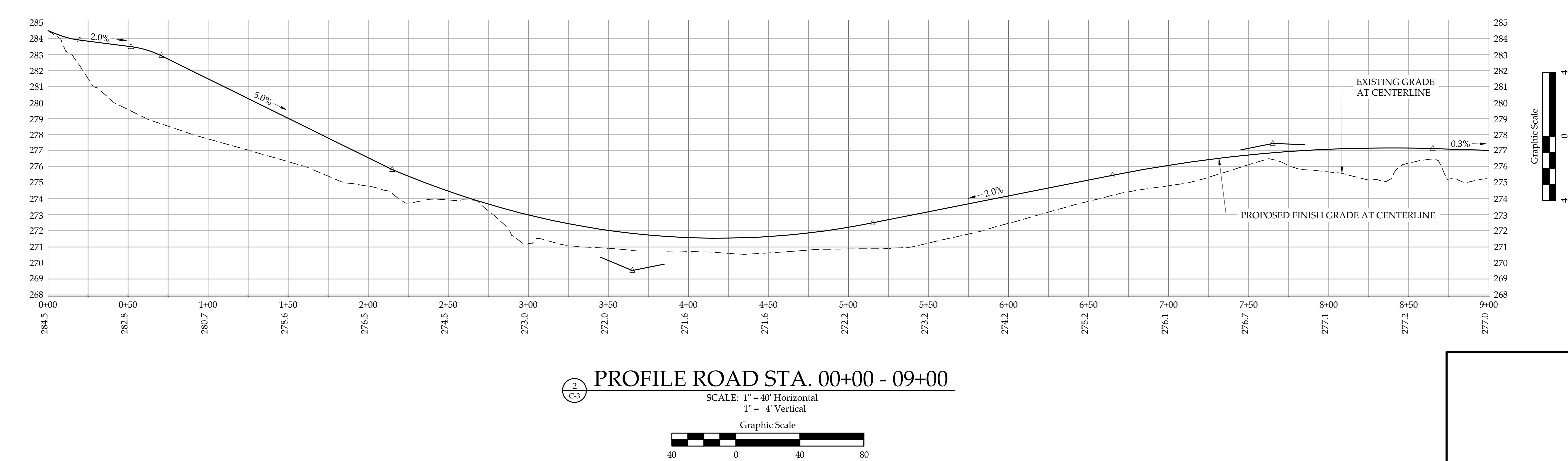
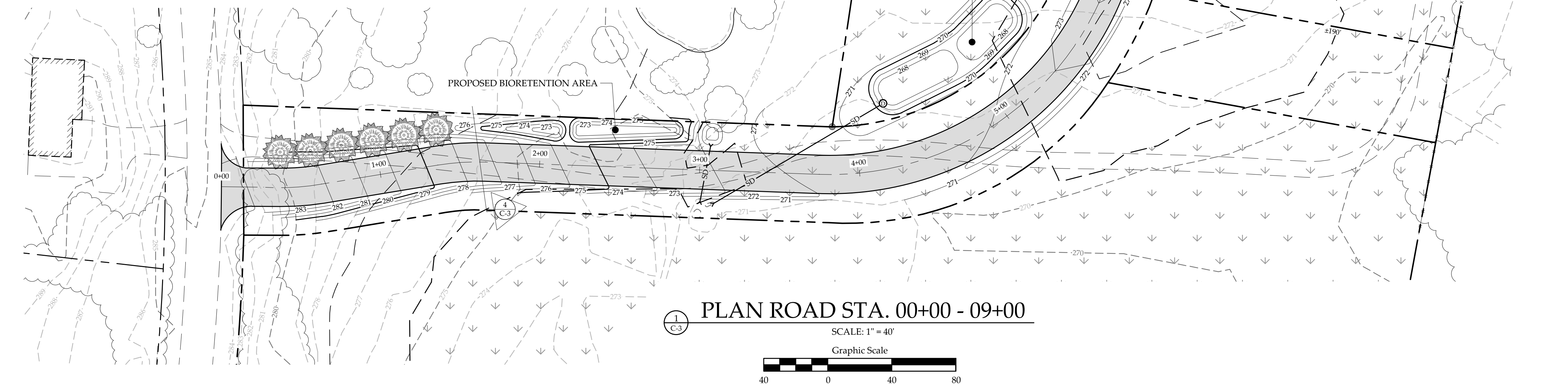
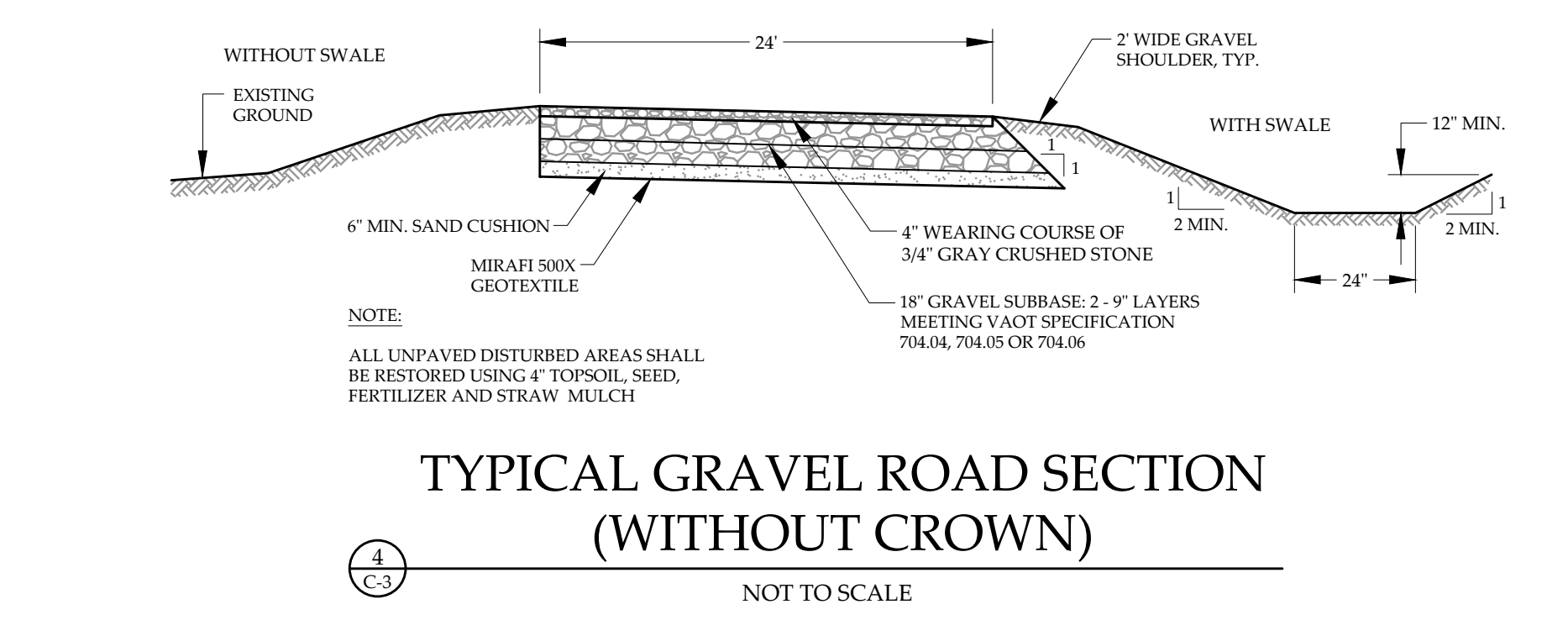
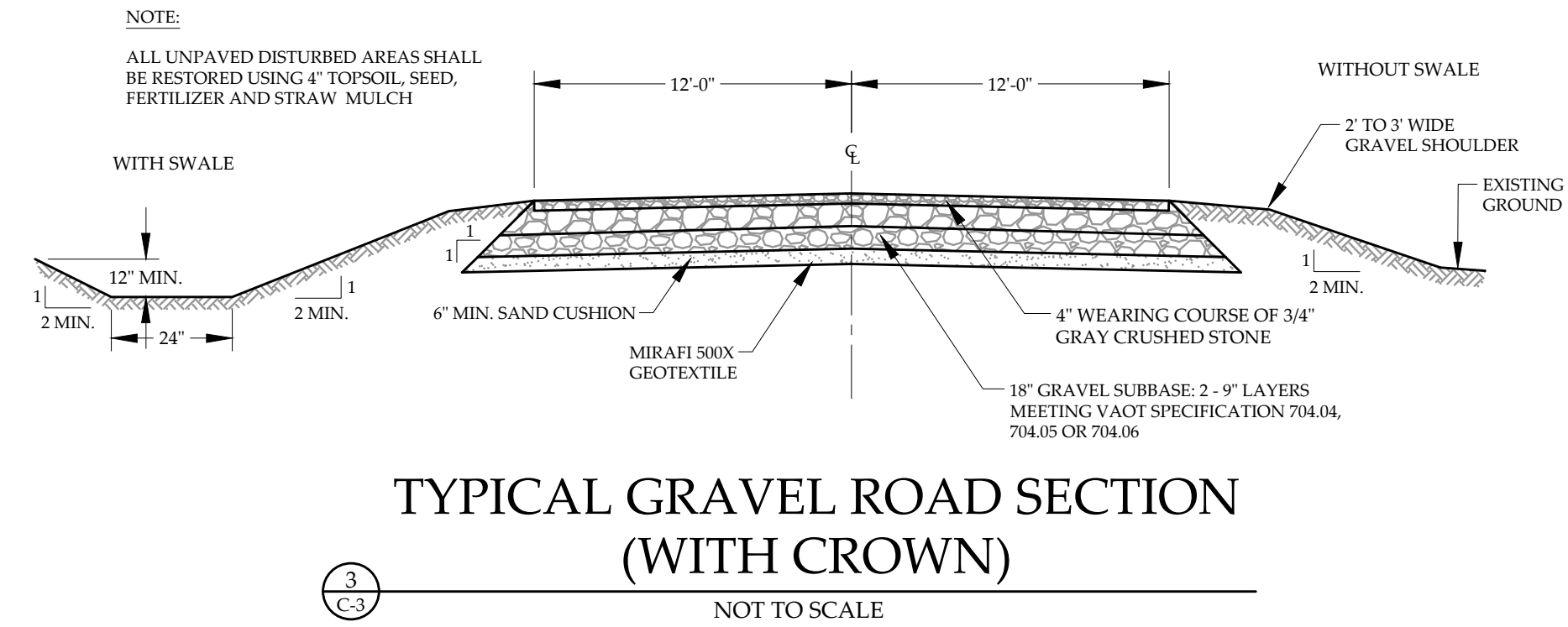
#### OWNER:

CLINE ROAD, LLC  
7 OAK STREET  
ST. ALBANS, VT. 05478

#### ZONING NOTES:

DISTRICT: RURAL/RESIDENTIAL (AR)  
PROPOSED PUD LOT SIZE = 60 ACRES  
MAX DENSITY = 2.0 AC/UNIT = 30 UNITS  
OPEN SPACE = 20% OF PUD = 12 ACRES  
MIN LOT SIZE = 0.5 ACRES  
SETBACKS:  
FRONT = 50'  
SIDE/REAR = 20' (REQUEST WAIVER REDUCTION TO 15')

<b>OVERALL DEVELOPMENT PLAN</b> CLINE ROAD LLC CLINE ROAD GEORGIA, VERMONT	
 <b>MUMLEY</b> ENGINEERING, INC. 46 HUTCHINS STREET MORRISVILLE, VT 05661 WWW.MUMLEYENGINEERING.COM COPYRIGHT © 2018 - RUGGIANO ENGINEERING	PROJECT NO. ....23022 DRAWN BY.....WEH CHECKED BY.....TRM SCALE.....1" = 120' DATE.....01/22/26
	<b>C-2</b> 2 OF 12 SHEETS

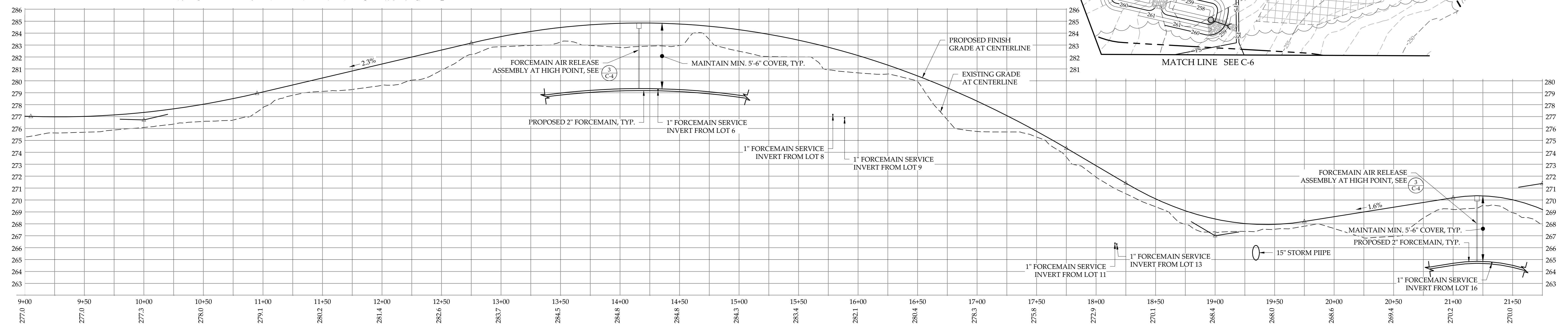
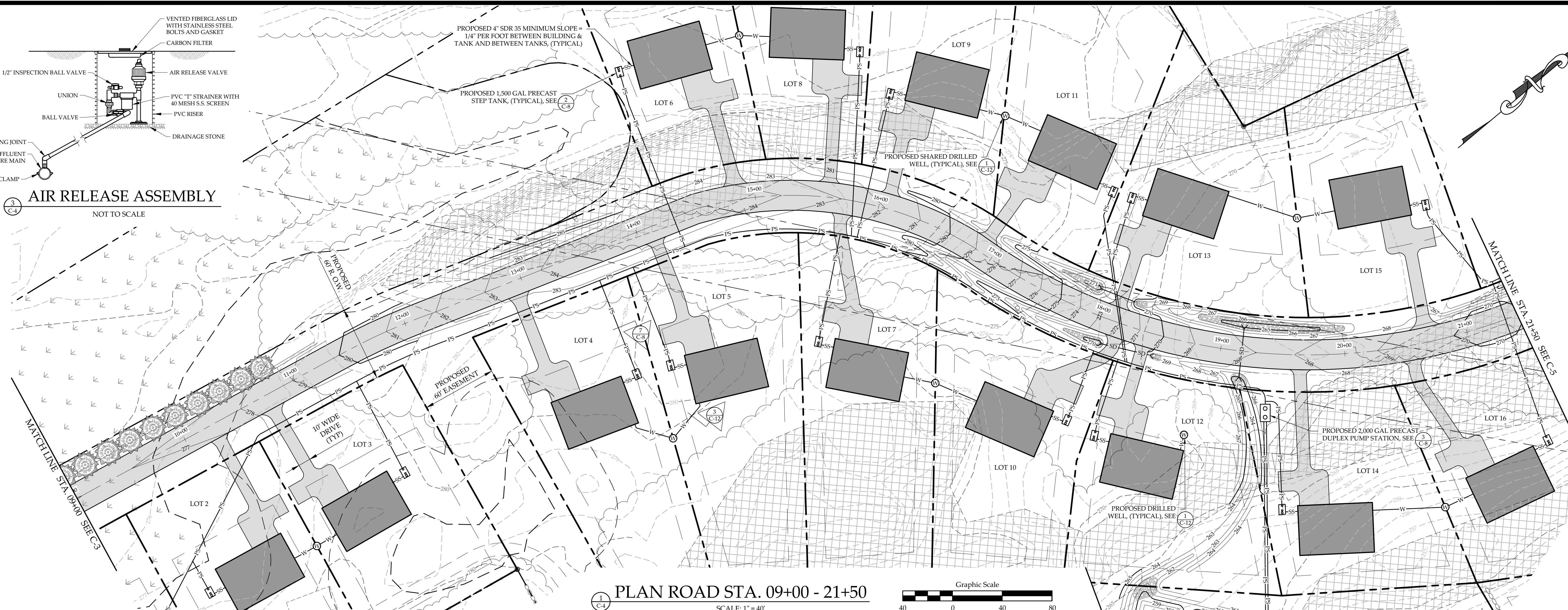
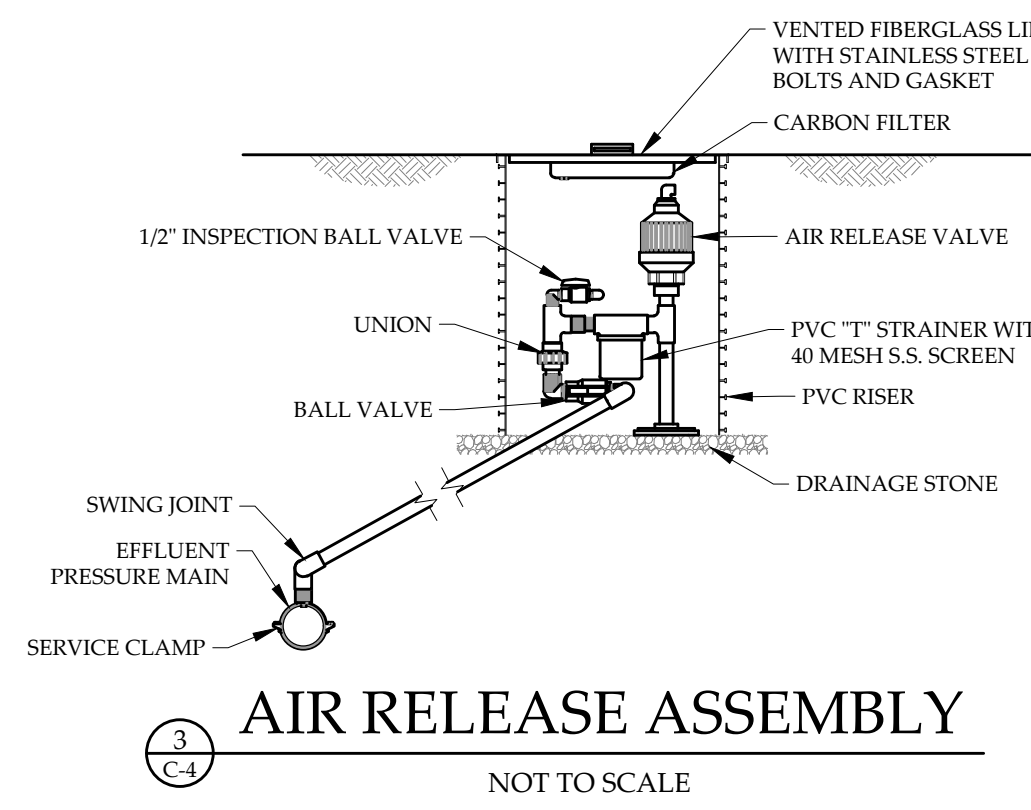


**ROAD PLAN & PROFILE STA. 00+00 - 09+00**  
CLINE ROAD LLC  
CLINE ROAD  
GEORGIA, VERMONT

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DATE .....01/07/26

SHEET NO.  
**C-3**  
3 OF 12 SHEETS



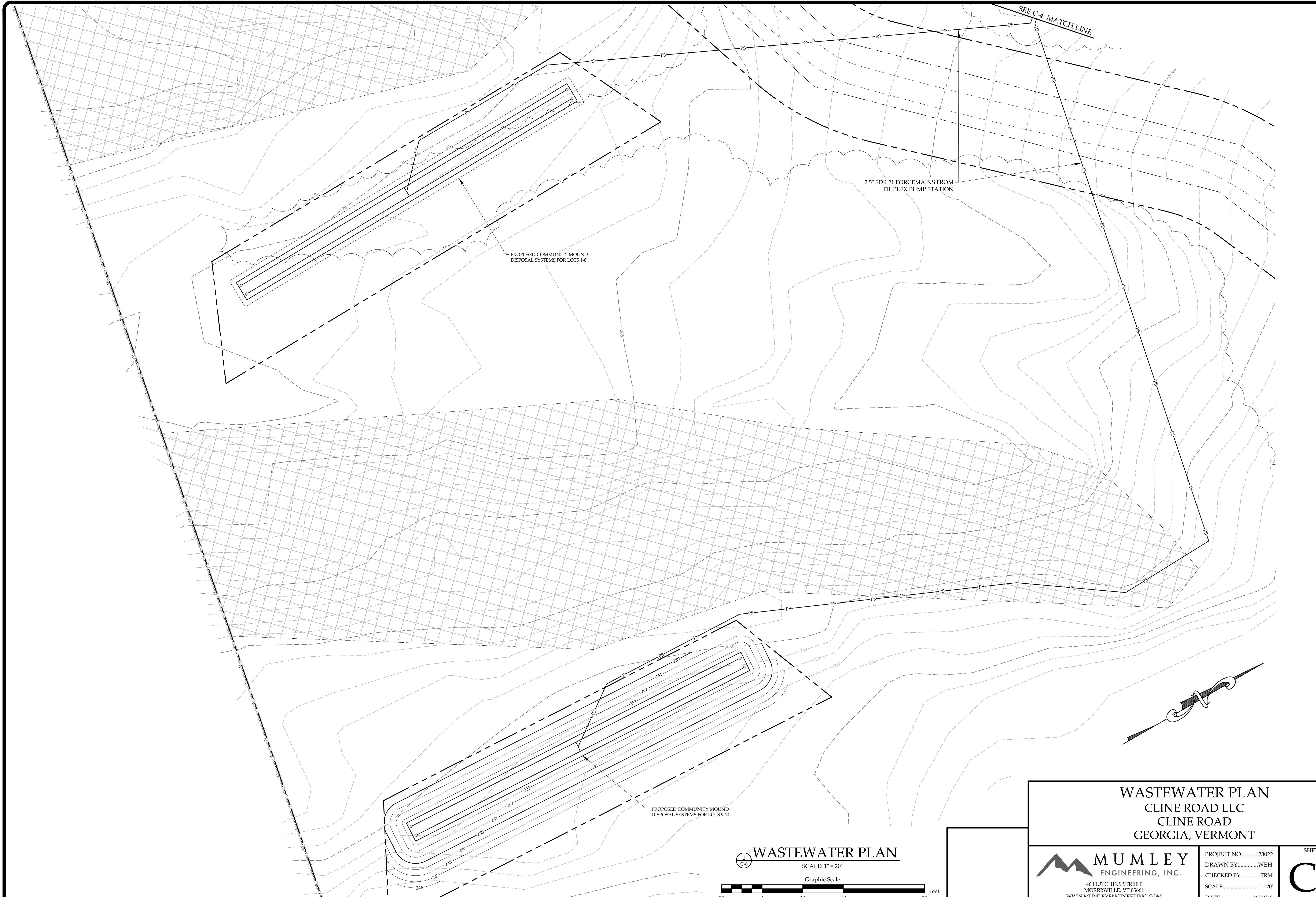
**ROAD PLAN & PROFILE STA. 09+00 - 21+50**  
CLINE ROAD LLC  
CLINE ROAD  
GEORGIA, VERMONT

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DATE .....03/09/26

SHEET NO.  
**C-4**  
4 OF 12 SHEETS



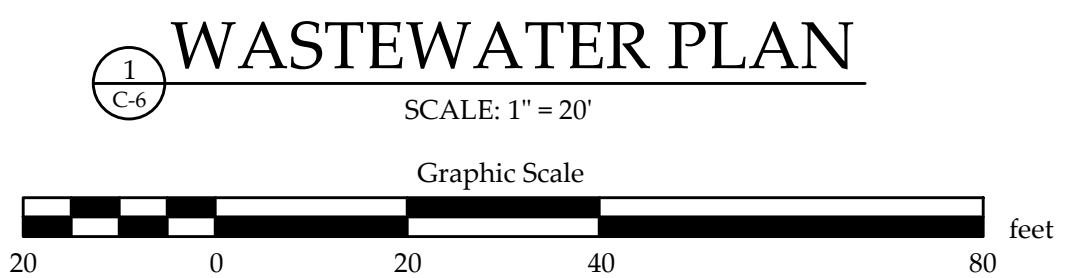
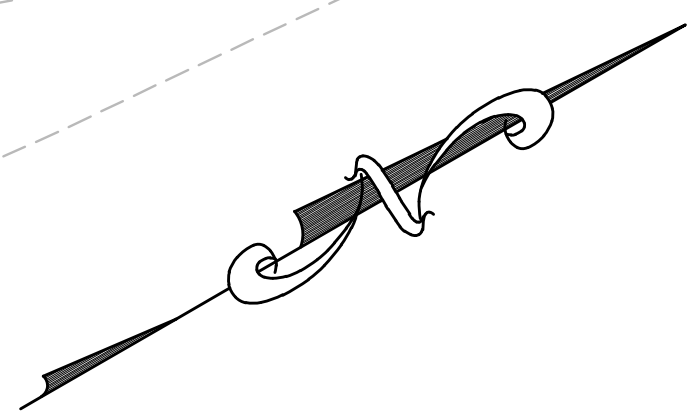


SEE C-4 MATCH LINE

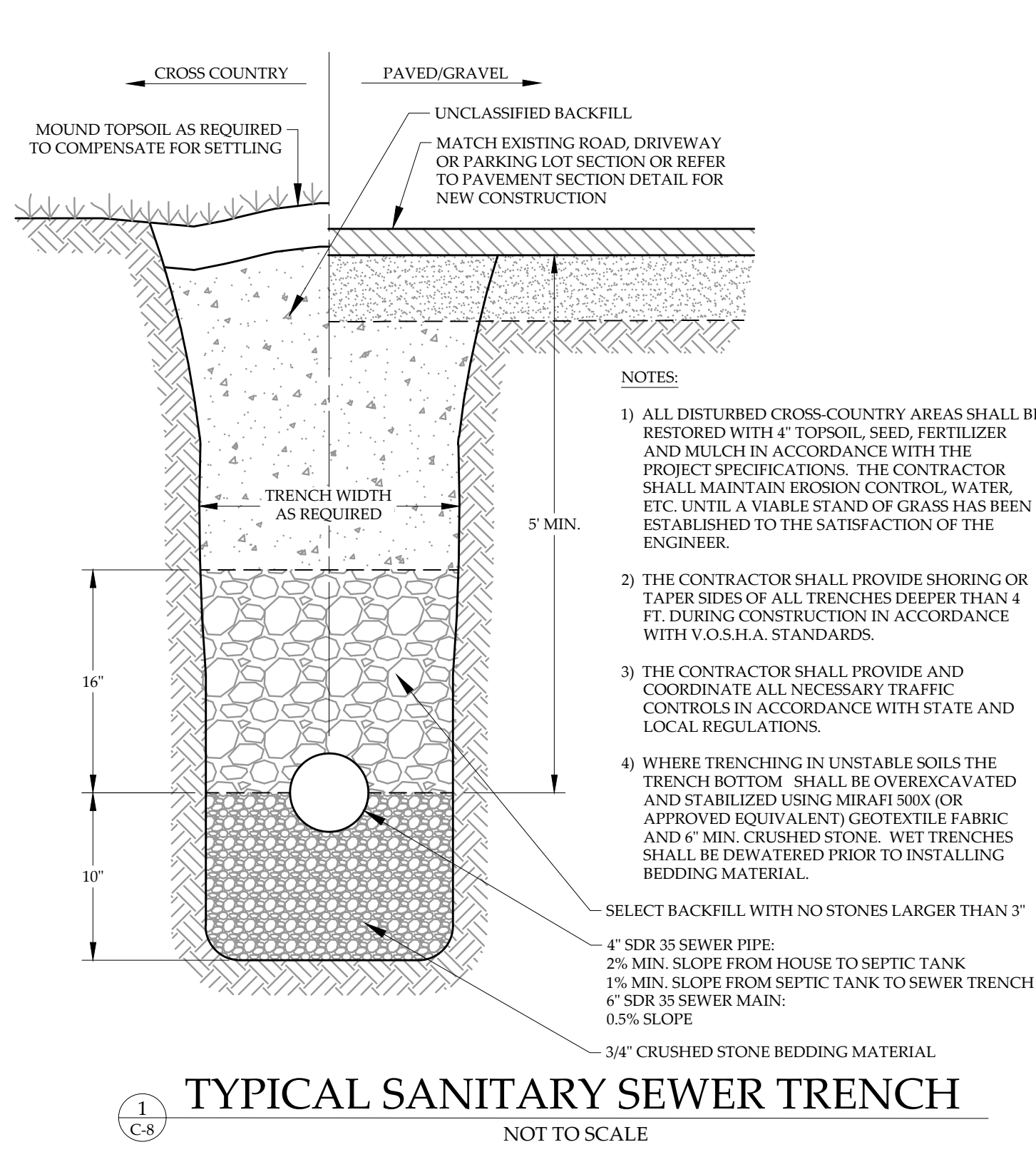
2.5" SDR 21 FORCEMAINS FROM DUPLEX PUMP STATION

PROPOSED COMMUNITY MOUND DISPOSAL SYSTEMS FOR LOTS 1-8

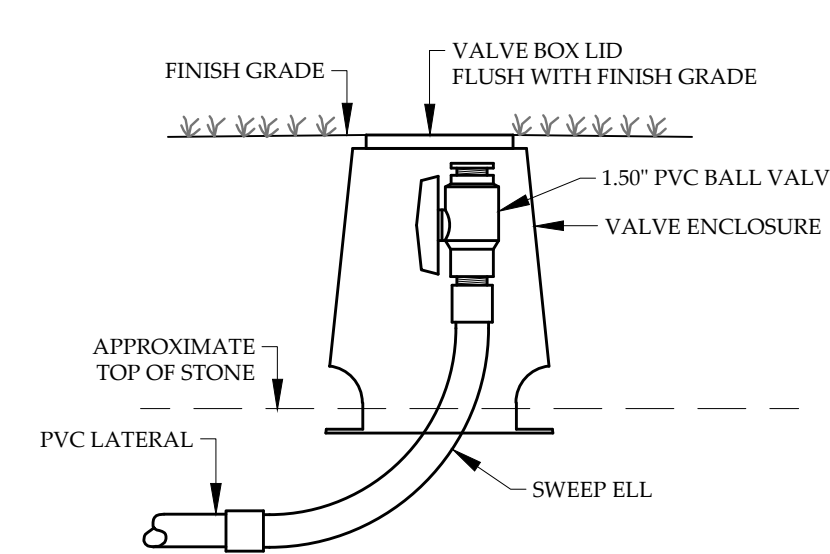
PROPOSED COMMUNITY MOUND DISPOSAL SYSTEMS FOR LOTS 9-14



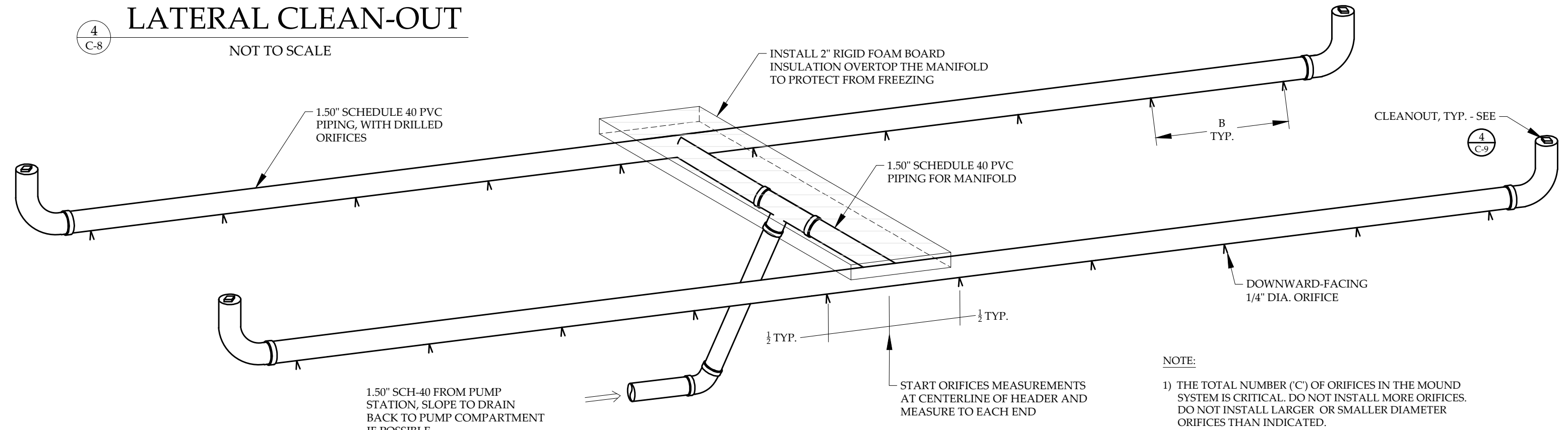
<b>WASTEWATER PLAN</b> CLINE ROAD LLC CLINE ROAD GEORGIA, VERMONT		PROJECT NO.....23022 DRAWN BY.....WEH CHECKED BY.....TRM SCALE.....1" = 20' DATE.....01/07/26	SHEET NO. <b>C-6</b> 6 OF 12 SHEETS
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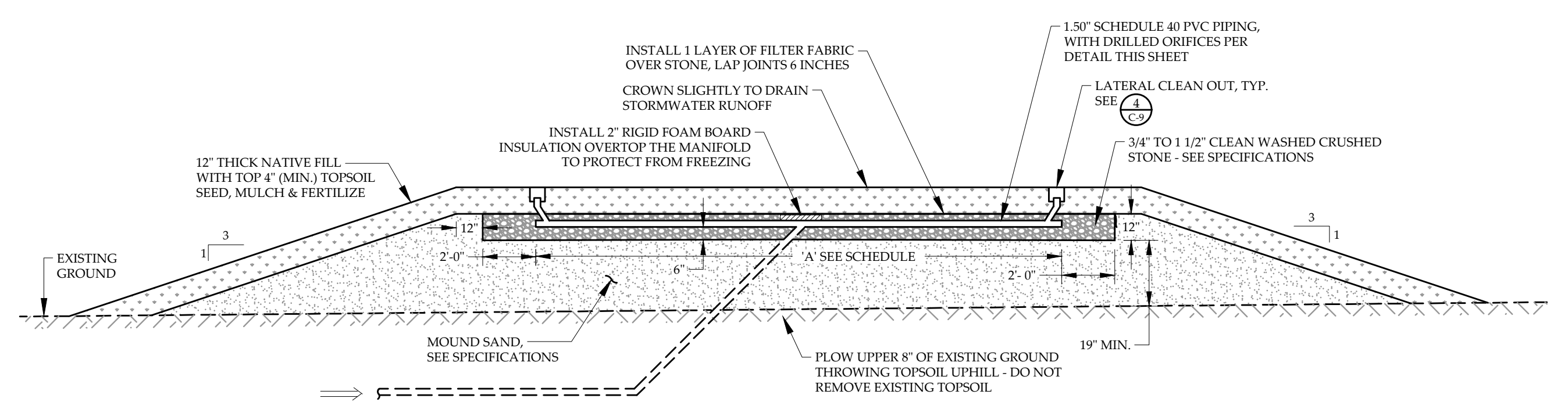
1 C-8  
**TYPICAL SANITARY SEWER TRENCH**  
NOT TO SCALE



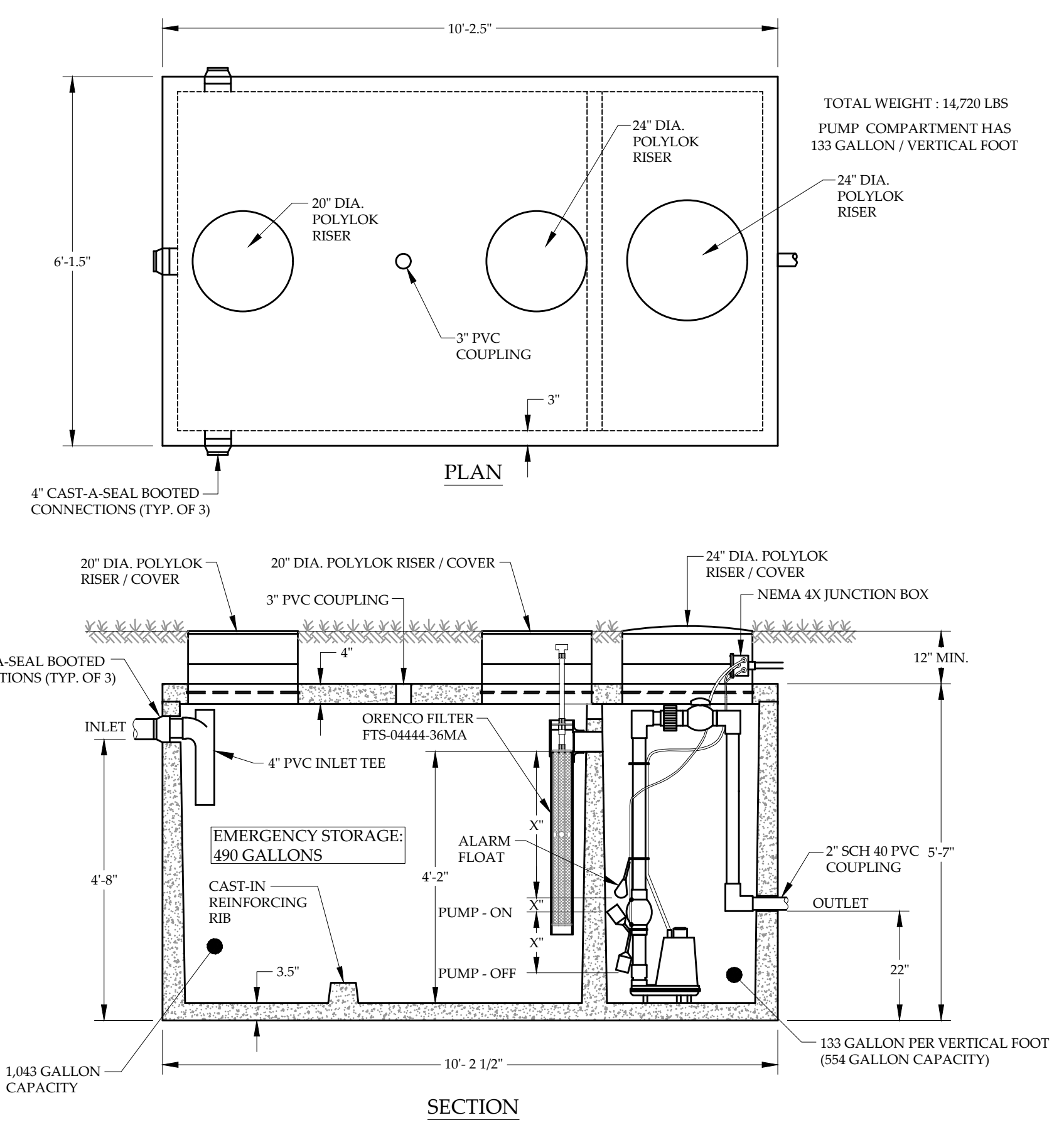
4 C-8  
**LATERAL CLEAN-OUT**  
NOT TO SCALE



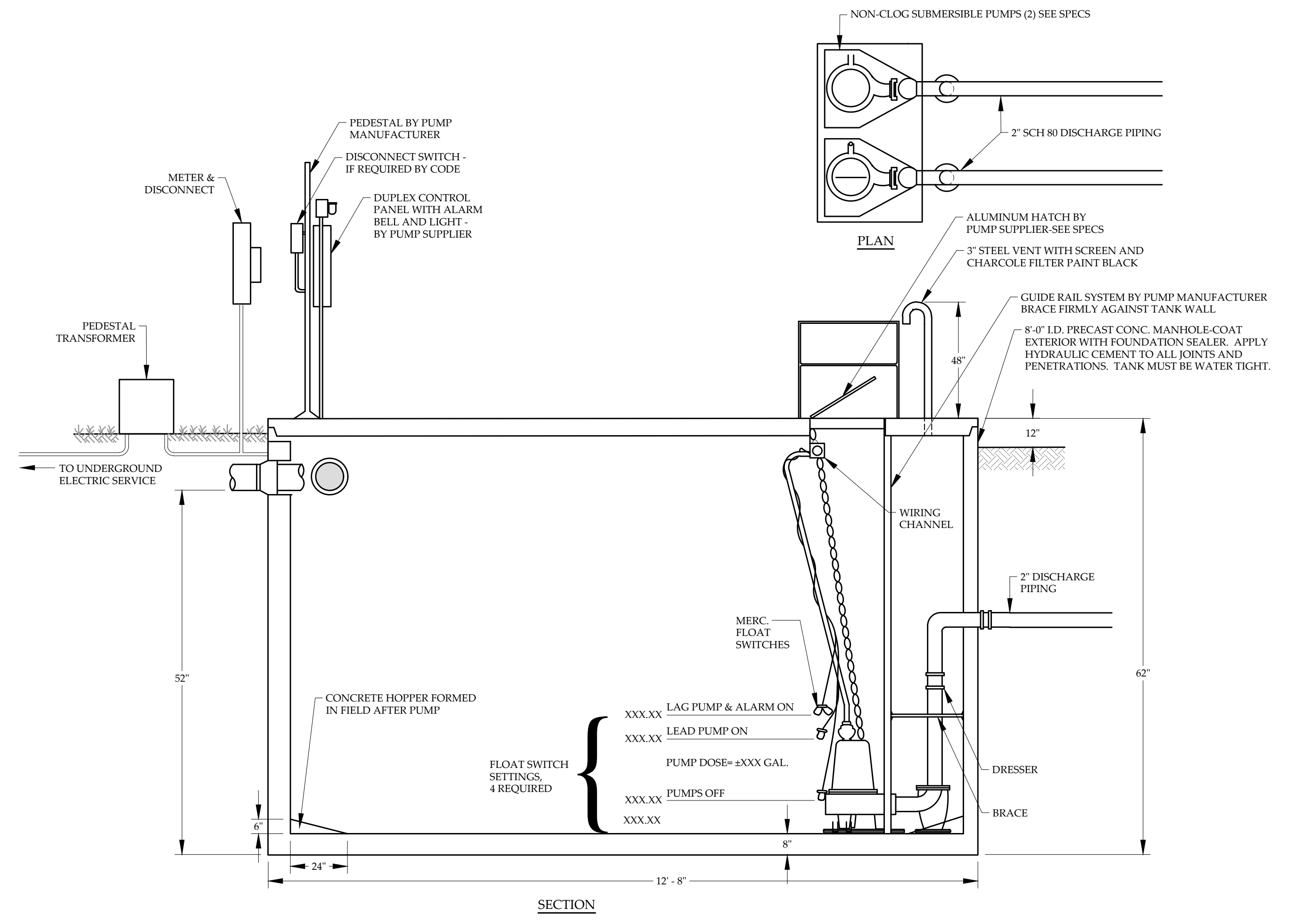
5 C-8  
**DISTRIBUTION LATERALS**  
NOT TO SCALE



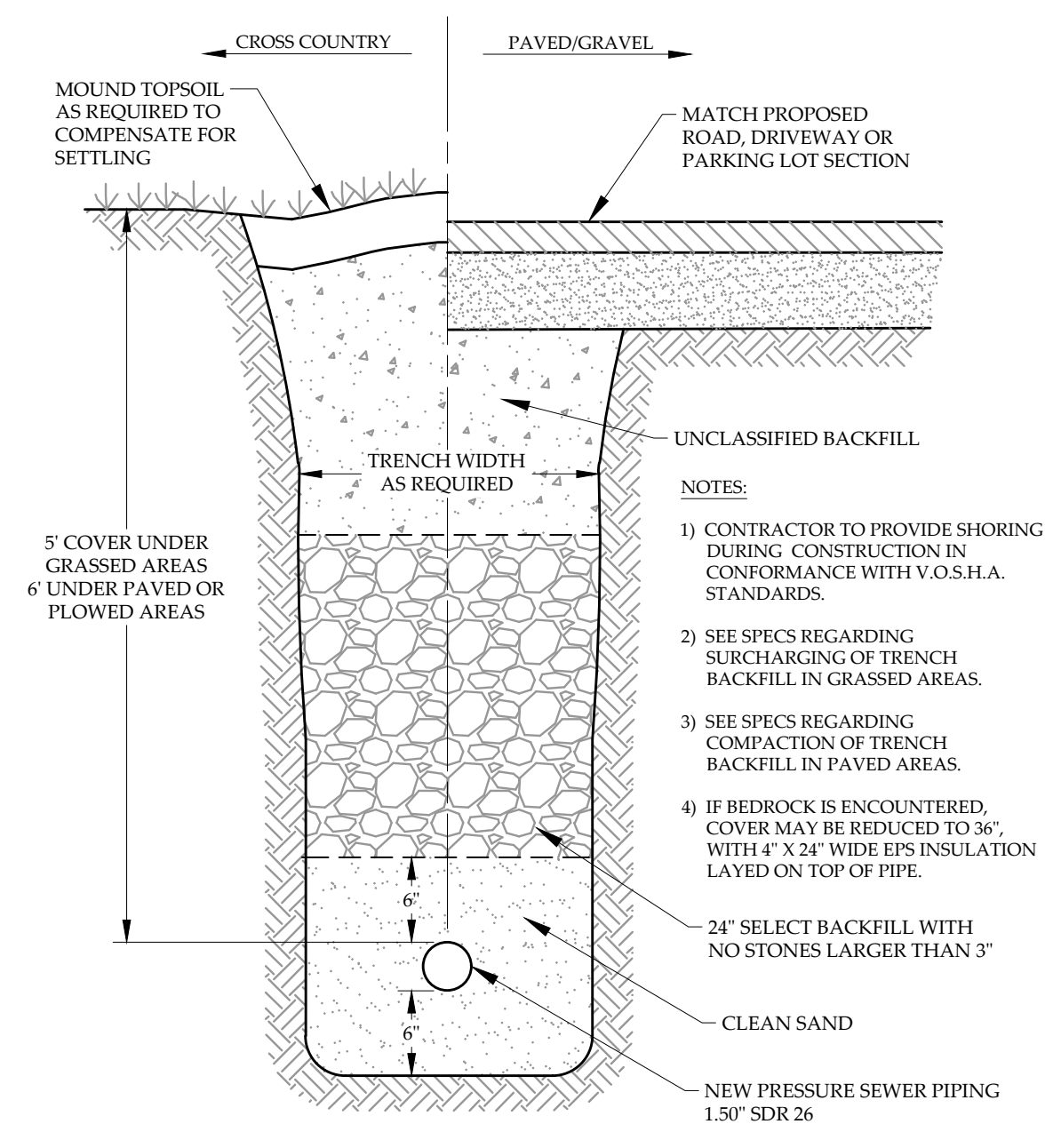
6 C-8  
**TYPICAL MOUND SECTION**  
NOT TO SCALE



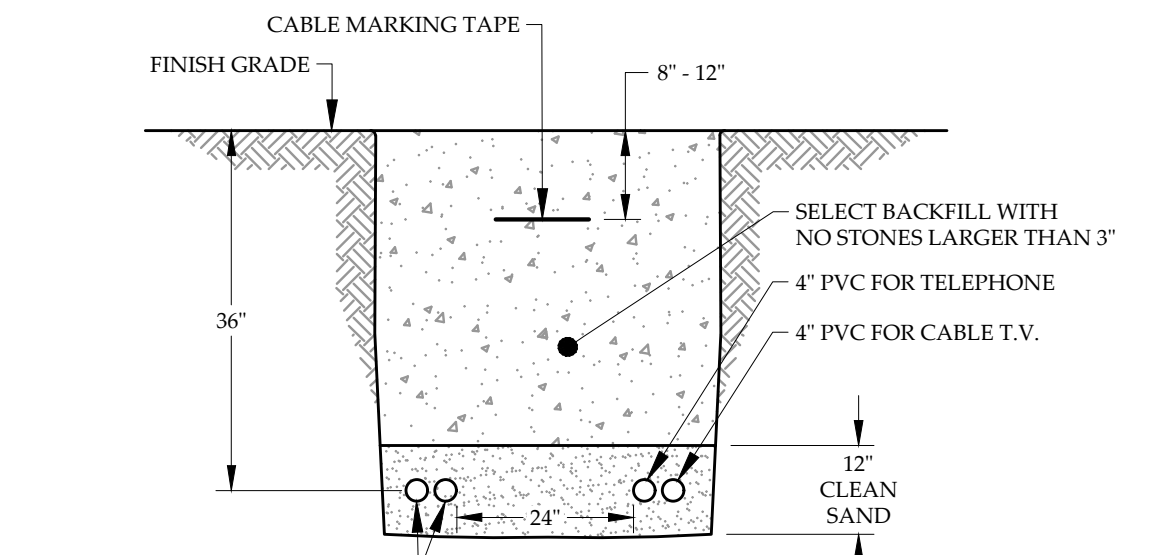
2 C-8  
**1,500 GALLON 2-COMPARTMENT STEP TANK**  
NOT TO SCALE



3 C-8  
**2,000 GALLON DUPLEX PUMP STATION**  
NOT TO SCALE



7 C-8  
**TYPICAL PRESSURE SEWER TRENCH**  
NOT TO SCALE



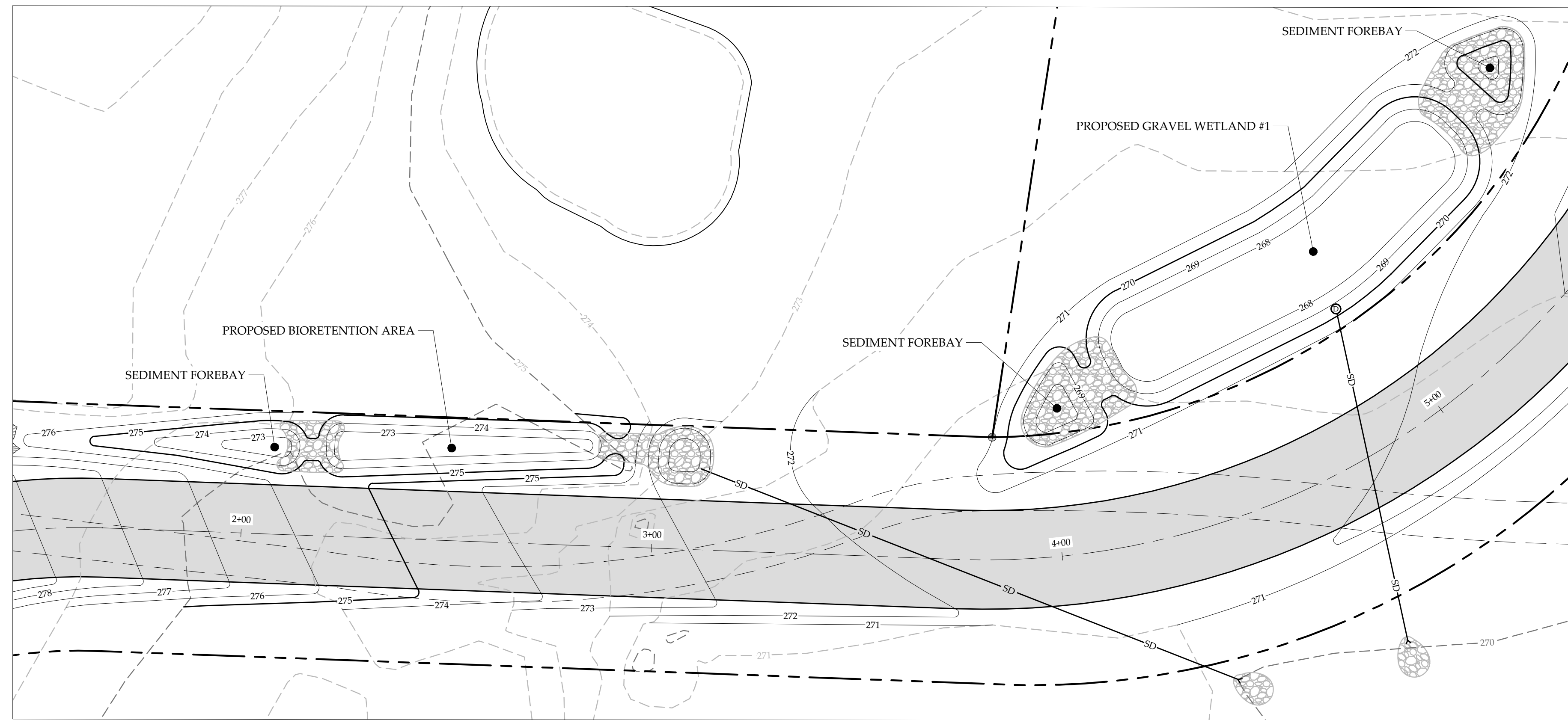
8 C-8  
**UTILITY TRENCH**  
NOT TO SCALE

**WASTEWATER DETAILS**  
CLINE ROAD LLC  
CLINE ROAD  
GEORGIA, VERMONT

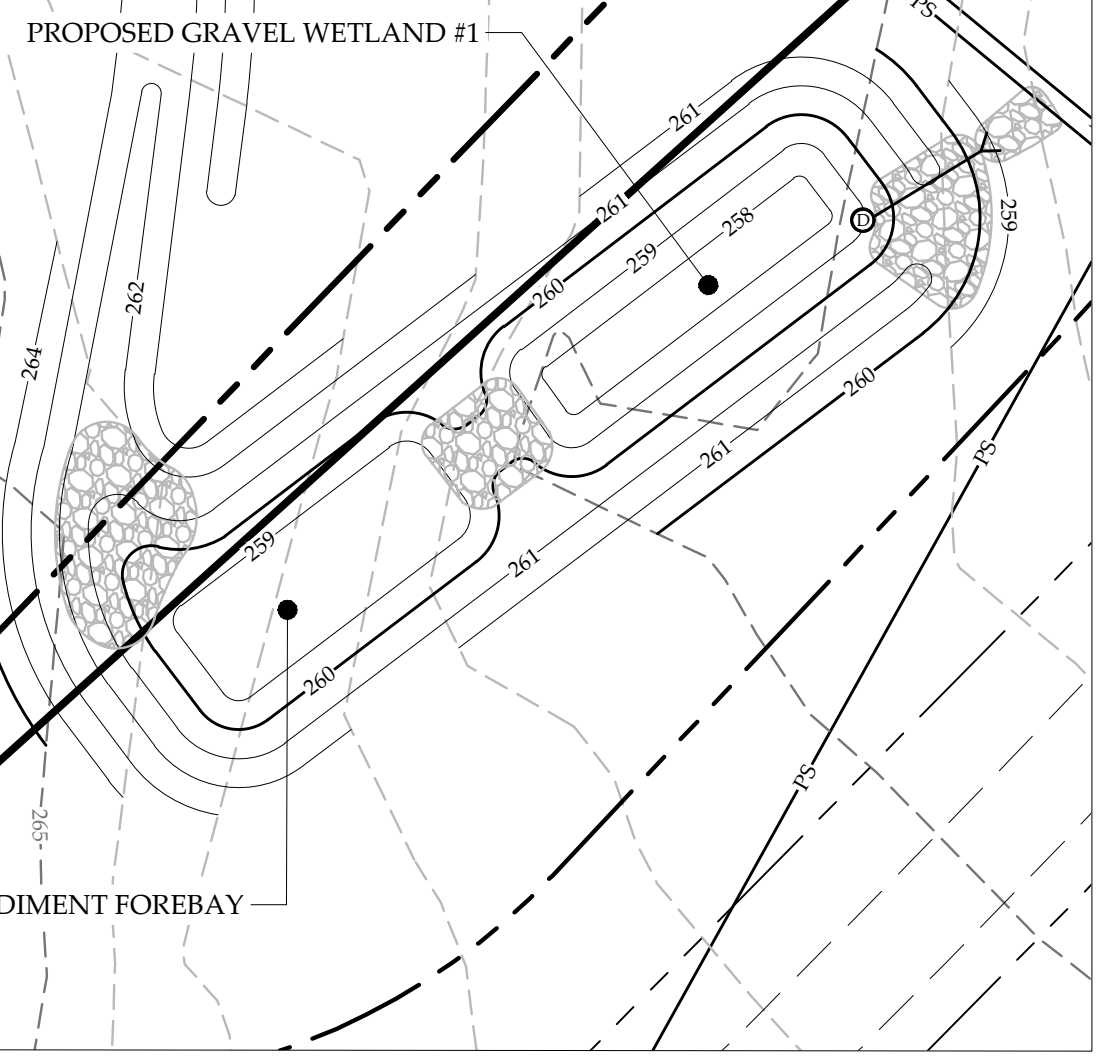
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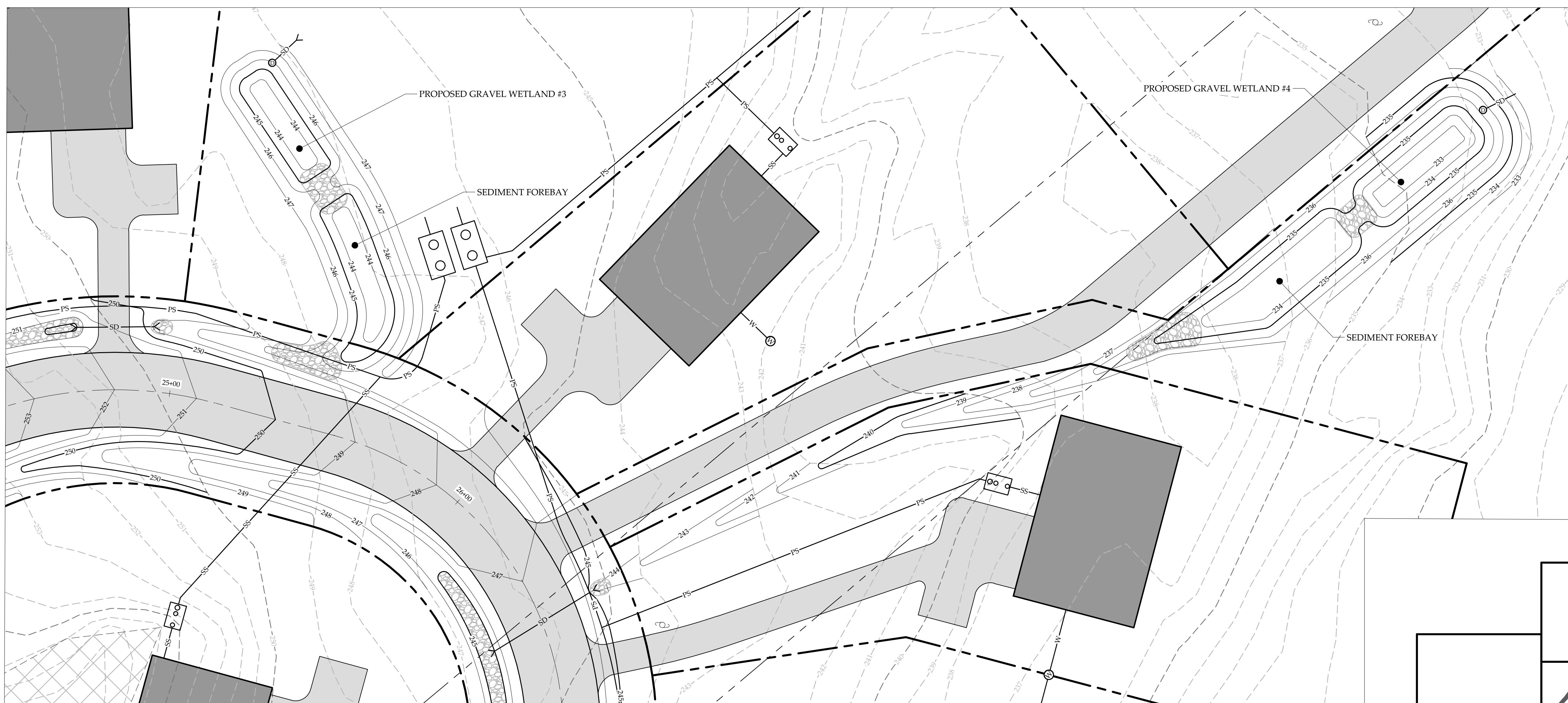
SHEET NO.  
**C-8**  
8 OF 12 SHEETS



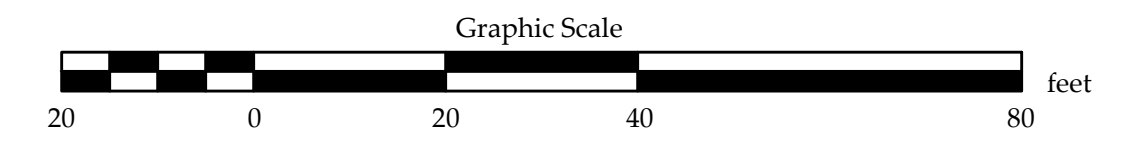
1  
C-9  
**STORMWATER PLAN**  
SCALE: 1" = 20'



2  
C-9  
**STORMWATER PLAN**  
SCALE: 1" = 20'



3  
C-9  
**STORMWATER PLAN**  
SCALE: 1" = 20'



<b>STORMWATER PLANS</b> CLINE ROAD LLC CLINE ROAD GEORGIA, VERMONT		
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**POST CONSTRUCTION SOIL RESTORATION NOTES:**  
 ALL NATIVE VEGETATION AND SOIL OUTSIDE OF PROJECT AREA TO BE LEFT UNDISTURBED AND PROTECTED FROM COMPACTION DURING CONSTRUCTION. POST CONSTRUCTION SOIL RESTORATION AREAS ARE MADE UP OF ALL DISTURBED AREAS ON SLOPES LESS THAN OR EQUAL TO 33% & ARE NOT COVERED WITH IMPERVIOUS SURFACES. AN INTEGRAL PORTION OF A STORMWATER TREATMENT PRACTICE, OR STRUCTURAL TILL, ONCE CONSTRUCTION IS DONE, CONTRACTOR TO IDENTIFY AREAS BEFORE START OF CONSTRUCTION AND INSTALL FENCING TO ENSURE PROTECTION. ANY AREAS THAT ARE DISTURBED AND/OR COMPACTED DURING THE COURSE OF CONSTRUCTION WILL HAVE TOPSOIL RESTORED BY MEANS OF ONE OF THE FOLLOWING METHODS:

- OPTION 1: AMEND EXISTING SITE TOPSOIL OR SUBSOIL IN PLACE.**
- SCARIFY OR TILL SUBSOILS TO 4 INCHES OF DEPTH OR TO DEPTH NEEDED TO ACHIEVE A TOTAL DEPTH OF 8 INCHES OF UNCOMPACTED SOIL AFTER CALCULATED AMOUNT OF AMENDMENT IS ADDED. EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION;
  - AMEND SOIL TO MEET ORGANIC CONTENT REQUIREMENTS:
    - PRE-APPROVED RATE: PLACE 1 INCH OF COMPOSTED MATERIAL WITH AN ORGANIC MATTER CONTENT BETWEEN 40 AND 65% AND ROTOTILL INTO 3 INCHES OF SOIL, OR
    - CALCULATED RATE: PLACE CALCULATED AMOUNT OF COMPOSTED MATERIAL OR APPROVED ORGANIC MATERIAL AND ROTOTILL INTO DEPTH OF SOIL NEEDED TO ACHIEVE 4 INCHES OF SETTLED SOIL AT 4% ORGANIC CONTENT;
  - RAKE BEDS TO SMOOTH AND REMOVE SURFACE ROCKS LARGER THAN 2 INCHES IN DIAMETER; AND
  - WATER OR ROLL TO COMPACT SOIL IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY.
- OPTION 2: REMOVE AND STOCKPILE EXISTING TOPSOIL DURING GRADING.**
- STOCKPILE SOIL ON SITE IN A DESIGNATED CONTROLLED AREA, AT LEAST 50 FEET FROM SURFACE WATERS, WETLANDS, FLOODPLAINS, OR OTHER CRITICAL RESOURCE AREAS.
  - SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES. EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION;
  - STOCKPILED TOPSOIL SHALL ALSO BE AMENDED, IF NEEDED, TO MEET THE ORGANIC CONTENT REQUIREMENTS:
    - PRE-APPROVED RATE: COMPOST SHALL BE INCORPORATED WITH AN ORGANIC MATTER CONTENT BETWEEN 40 AND 65% INTO THE TOPSOIL AT A RATIO 1:3, OR
    - CALCULATED RATE: INCORPORATE COMPOSTED MATERIAL OR APPROVED ORGANIC MATERIAL AT A CALCULATED RATE TO ACHIEVE 4 INCHES OF SETTLED SOIL AT 4% ORGANIC CONTENT;
  - RAKE TO LEVEL, AND REMOVE SURFACE ROCKS LARGER THAN 2 INCHES IN DIAMETER.
- OPTION 3: IMPORT TOPSOIL MIX, OR OTHER MATERIALS FOR MIXING, INCLUDING COMPOST, OF SUFFICIENT ORGANIC CONTENT AND DEPTH.**
- SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES. EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION;
  - PLACE 4 INCHES OF IMPORTED TOPSOIL MIX ON SURFACE. THE IMPORTED TOPSOIL MIX SHALL CONTAIN 4% ORGANIC MATTER. SOILS USED IN THE MIX SHALL BE SAND OR SANDY LOAM AS DEFINED BY THE USDA;
  - RAKE BEDS TO SMOOTH AND REMOVE SURFACE ROCKS LARGER THAN 2 INCHES IN DIAMETER; AND
  - WATER OR ROLL TO COMPACT SOIL IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY.
- NOTE: CONTRACTOR TO VERIFY SOIL RESTORATION AFTER CONSTRUCTION BY MEANS OF SOIL SAMPLING. SOIL SAMPLING PROCEDURES INCLUDE NINE 8-INCH DEEP TEST HOLES PER ACRE AND SHALL BE AT LEAST 30 FEET APART FROM EACH OTHER. SAMPLE HOLES TO BE DUG BY SHOVEL DRIVEN BY CONTRACTOR'S WEIGHT ALONE.

**STORMWATER MAINTENANCE NOTES:**

- STORMWATER MAINTENANCE NOTES:**
- KEEP FOREBAY & SIDESLOPES FREE OF WOODY VEGETATION.
  - CLEAR FOREBAY BASIN BOTTOM OF ACCUMULATED SEDIMENT AS NEEDED.
  - MONITOR AND MAINTAIN LEVEL SPREADER AND DOWNSLOPE AREA FOR EVEN SHEET FLOW.
  - MONITOR FOR EROSION AND REPAIR PROMPTLY.
  - MAINTAIN VIGOROUS, DENSE VEGETATIVE GROWTH ABOVE NORMAL WATER LEVEL AT ALL TIMES. MOW OR BRUSH HOG MINIMUM TWICE DURING GROWING SEASON TO CONTROL GROWTH.

**SWALES**

- MAINTAIN VIGOROUS, DENSE VEGETATIVE GROWTH AT ALL TIMES IN RIP RAPPED AREAS, MONITOR FOR SEDIMENT ACCUMULATION AND REMOVE/REPLACE IF VOID SPACES ARE CLOGGED.
- MONITOR CHECK DAMS FOR PROPER HEIGHT. REMOVE ACCUMULATED SEDIMENT AS NEEDED.
  - MONITOR FOR EROSION AND REPAIR PROMPTLY.

**EPSC NOTES:**

**PRE-CONSTRUCTION**

- IN ACCORDANCE WITH MODERATE RISK CONSTRUCTION STORMWATER PERMIT, NOTIFICATION OF ONSITE PLAN COORDINATOR MUST BE FILED WITH STATE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL SEDIMENT CONTROL MEASURES TO BE CONSTRUCTED PRIOR TO INITIATING PRIMARY EARTHWORK ACTIVITIES.
- STABILIZATION OF OPERATIONAL STORMWATER TREATMENT PRACTICES MUST BE COMPLETED PRIOR TO DIRECTING ANY RUNOFF TO THEM.

**CONSTRUCTION**

- CONSTRUCTION SCHEDULE AND PHASING SHALL BE COORDINATED TO MINIMIZE CONCURRENT EARTH DISTURBANCE. NOTE: MAX CONCURRENT EARTH DISTURBANCE AT ANY ONE TIME SHALL BE 2.0 ACRES.
- ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY OR FINAL STABILIZATION WITHIN 7 DAYS OF THE INITIAL DISTURBANCE. AFTER THIS TIME, ANY DISTURBANCE IN THE AREA MUST BE STABILIZED AT THE END OF EACH WORK DAY. THE FOLLOWING EXCEPTIONS APPLY:
  - STABILIZATION IS NOT REQUIRED IF WORK IS TO CONTINUE IN THE AREA WITHIN THE NEXT 24 HOURS AND THERE IS NO PRECIPITATION FORECAST FOR THE NEXT 24 HOURS.
  - STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (I.E. NO OUTLET) WITH A DEPTH OF 2 FEET OR GREATER (E.G. FOUNDATION EXCAVATION, UTILITY TRENCHES).

- WINTER CONSTRUCTION IS NOT ANTICIPATED FOR THIS PROJECT. IF ANY CONSTRUCTION IS PROPOSED OUTSIDE OF THE GROWING SEASON (OCT 15 - APR 15) APPROPRIATE WINTER CONSTRUCTION EPSC MEASURES MUST BE IMPLEMENTED PER THE GENERAL PERMIT 3-9020.

- INSPECTIONS OF CONSTRUCTION ACTIVITIES SHALL BE PERFORMED BY THE ONSITE PLAN COORDINATOR EVERY 7 DAYS (MINIMUM) OR AS DICTATED BY STATE PERMIT.

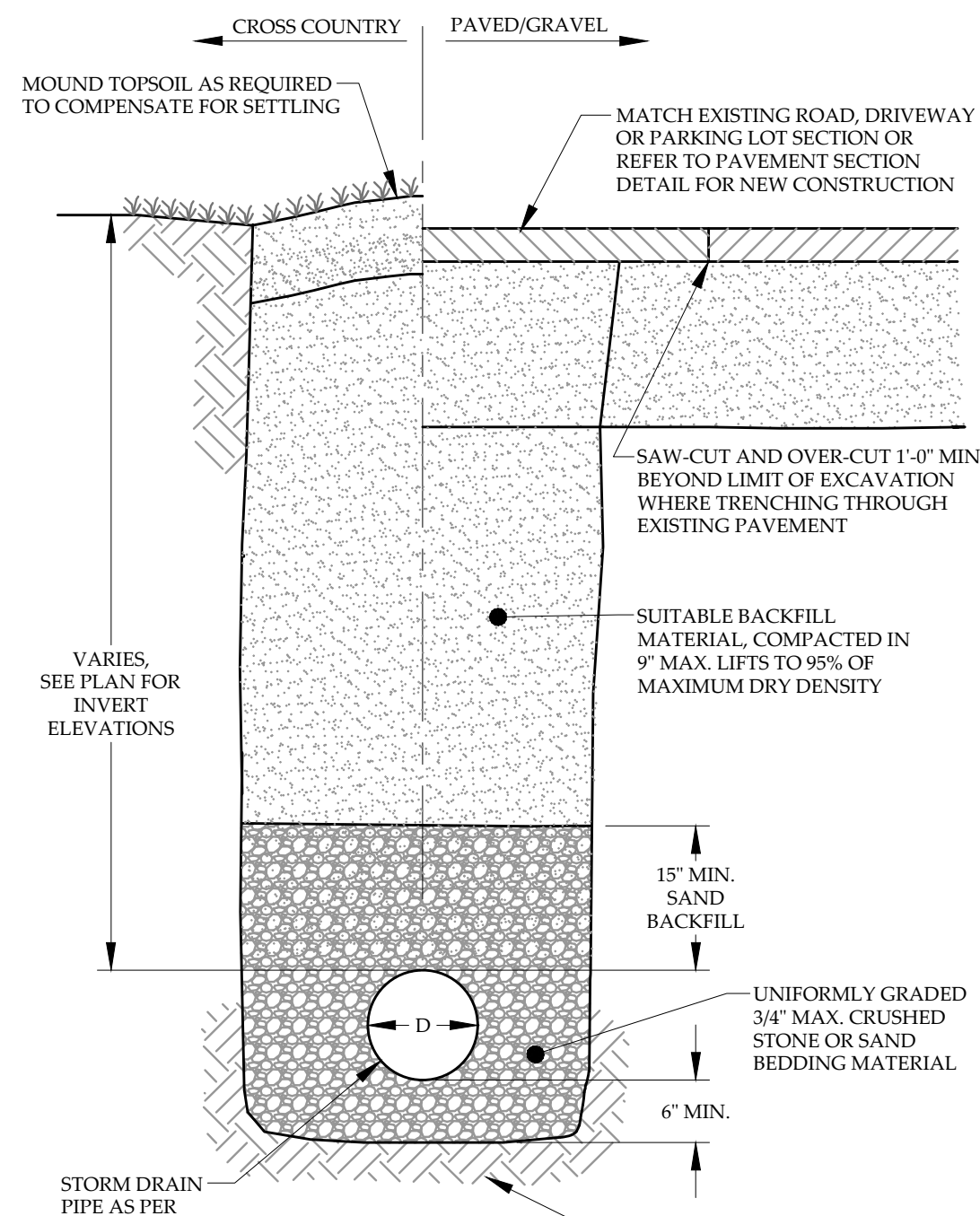
- ALL STOCKPILE AND STAGING AREAS TO BE DETERMINED BY CONTRACTOR AND SUBJECT TO STATE CONSTRUCTION STORMWATER REGULATIONS. CONTRACTOR WILL BE RESPONSIBLE FOR DESIGN, APPROVAL AND IMPLEMENTATION OF ALL EPSC MEASURES INCLUDING SEDIMENT/RUNOFF CONTROLS, STABILIZATION AND RESTORATION.

- FIBER ROLLS MAY BE IMPLEMENTED ON AN AS-NEEDED BASIS FOR SLOWING RUNOFF ON STEEPER SLOPES - CONTRACTOR TO USE MANUFACTURED PRODUCT AND INSTALL ACCORDING TO MANUFACTURER RECOMMENDATIONS. ROLLS TO BE INSTALLED PARALLEL TO CONTOURS, KEYED INTO SLOPES AND SECURED WITH STAKES TO PREVENT BLOWOUTS OR CONCENTRATIONS.

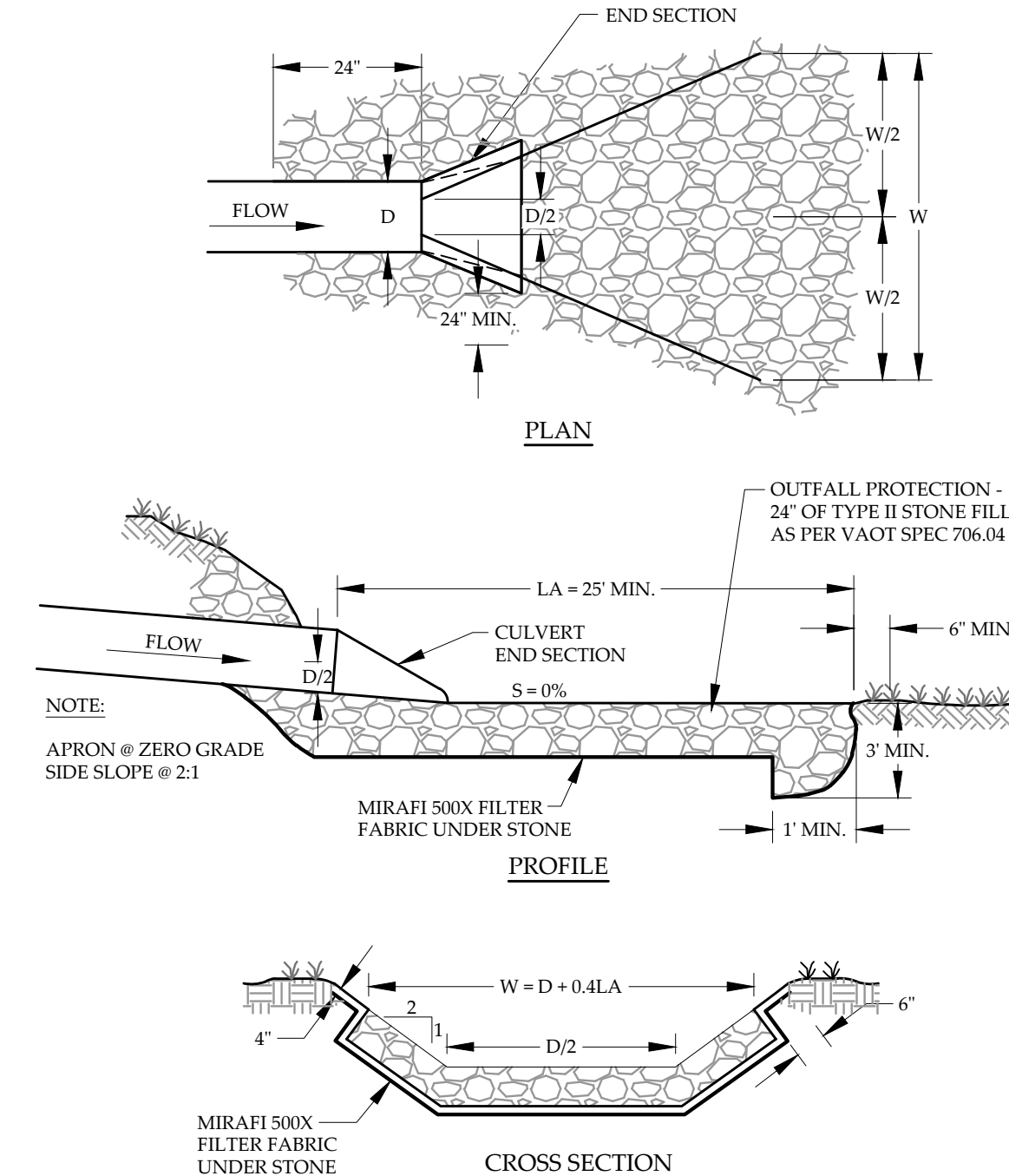
**STABILIZATION**

- ALL DISTURBED AREAS TO BE VEGETATED AND STABILIZED WITH ROLLED EROSION CONTROL MATTING UNLESS OTHERWISE NOTED ON THE PLANS. SEE DETAIL 10/C-4.
- TOPSOIL AMENDMENTS SHALL BE MADE AS NECESSARY TO PROVIDE NUTRIENT AND pH LEVELS REQUIRED FOR SEED MIX. FOR VEGETATION ESTABLISHMENT PRIOR TO SEPT 15, USE THE FOLLOWING SEED MIX:

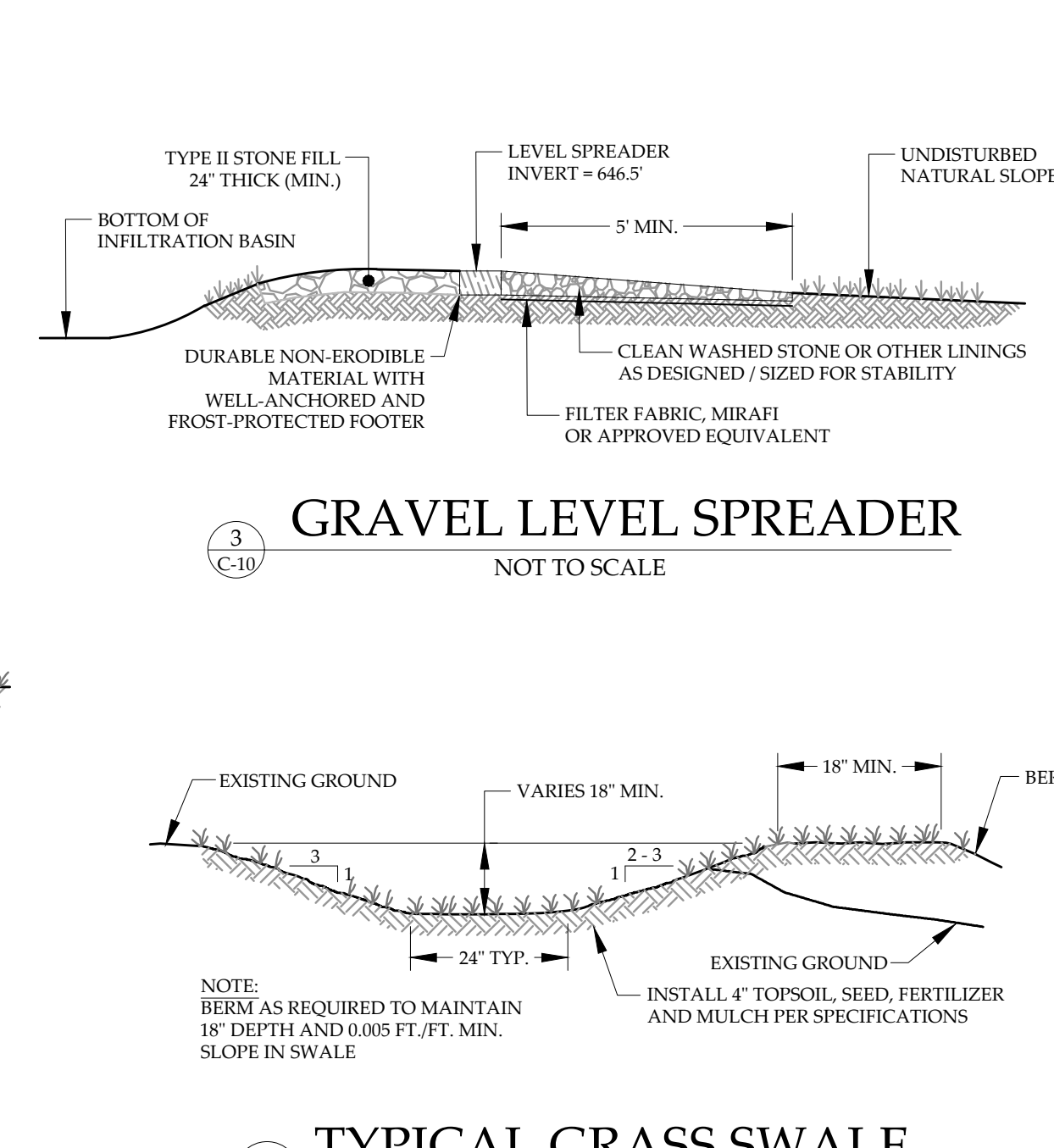
	PROPORTION	PURITY	GERMINATION
CREeping RED FESCUE	60%	85%	97%
MERION, KY. BLUEGRASS	25%	85%	95%
RED TOP	15%	85%	90%



**1** TYPICAL STORM DRAIN TRENCH  
NOT TO SCALE

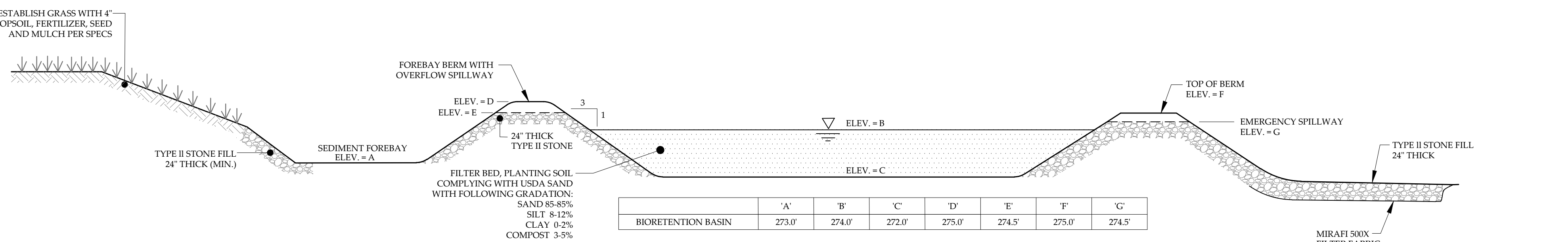


**2** CULVERT OUTLET DETAIL  
NOT TO SCALE

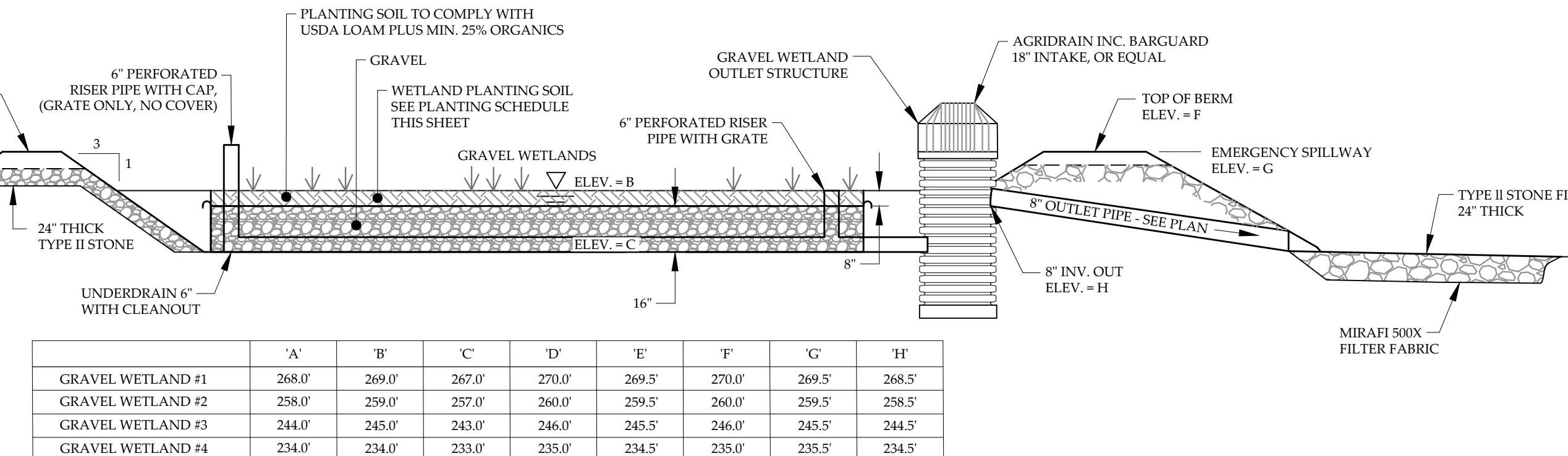


**3** GRAVEL LEVEL SPREADER  
NOT TO SCALE

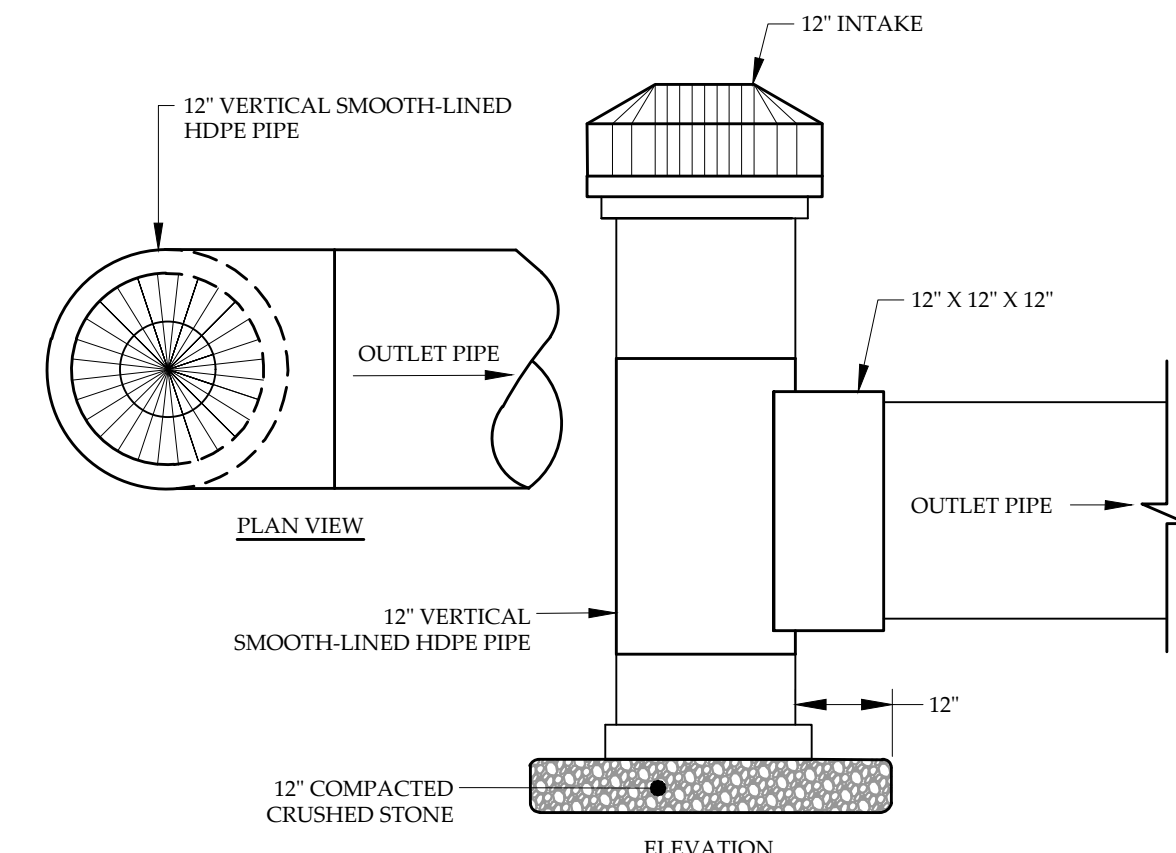
**4** TYPICAL GRASS SWALE  
NOT TO SCALE



**6** STORMWATER BIORETENTION BASIN SECTION  
NOT TO SCALE



**8** STORMWATER GRAVEL WETLAND SECTION  
NOT TO SCALE



**9** DRAINAGE STRUCTURE  
NOT TO SCALE

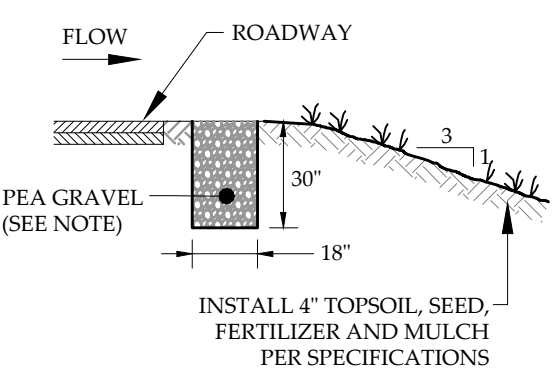
**Proposed Plant List**

Trees	Key	Quantity	Symbol	Scientific Name	Common Name	Size
	As	23		Acer Saccharum	Sugar Maple	2.5' - 3' cal.
	Bp	7		Betula Papyrifera	Paper Birch	2' - 2.5' cal.
	Qa	4		Quercus Alba	White Oak	2.5' cal.
	Pg	13		Picea glauca	White Spruce	5' - 6' tall
	To	7		Thuja occidentalis	Emerald Arborvitae	5' - 6' @ 2' - 3' O/C

**Bioretention Planting Schedule (Typical Each Location)**

Abr	Quantity	Botanical Name	Common Name	Spacing	Initial Size
AA	26	Acorus americanus	Sweet Flag	22"	1 Gallon
AC	24	Anemone canadensis	Windflower	22-30"	1 Gallon
ACA	26	Aquilegia canadensis	Columbine	15-22"	1 Gallon
AF	32	Athyrium filix-femina	Lady Fern	22"	1 Gallon
CT	22	Cautophyllum thalictroides	Blue Cohosh	22"	1 Gallon
CA	24	Cornus sericea 'Arctic Fire'	Red Osier Dogwood	4-5'	2-3 Gallon
LC	20	Lobelia cardinalis	Cardinal Flower	22"	1 Gallon

**5** PLANTING SCHEDULES  
NOT TO SCALE



**7** PEA GRAVEL FILTER DIAPHRAGM  
NOT TO SCALE

**STORMWATER DETAILS**  
 CLINE ROAD LLC  
 CLINE ROAD  
 GEORGIA, VERMONT

**MUMLEY**  
 ENGINEERING, INC.  
 46 HUTCHINS STREET  
 MORRISVILLE, VT 05661  
 WWW.MUMLEYENGINEERING.COM  
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PROJECT NO.....23022  
 DRAWN BY.....WEH  
 CHECKED BY.....TRM  
 SCALE.....AS NOTED  
 DATE.....03/09/26

SHEET NO.  
**C-10**  
 10 OF 12 SHEETS

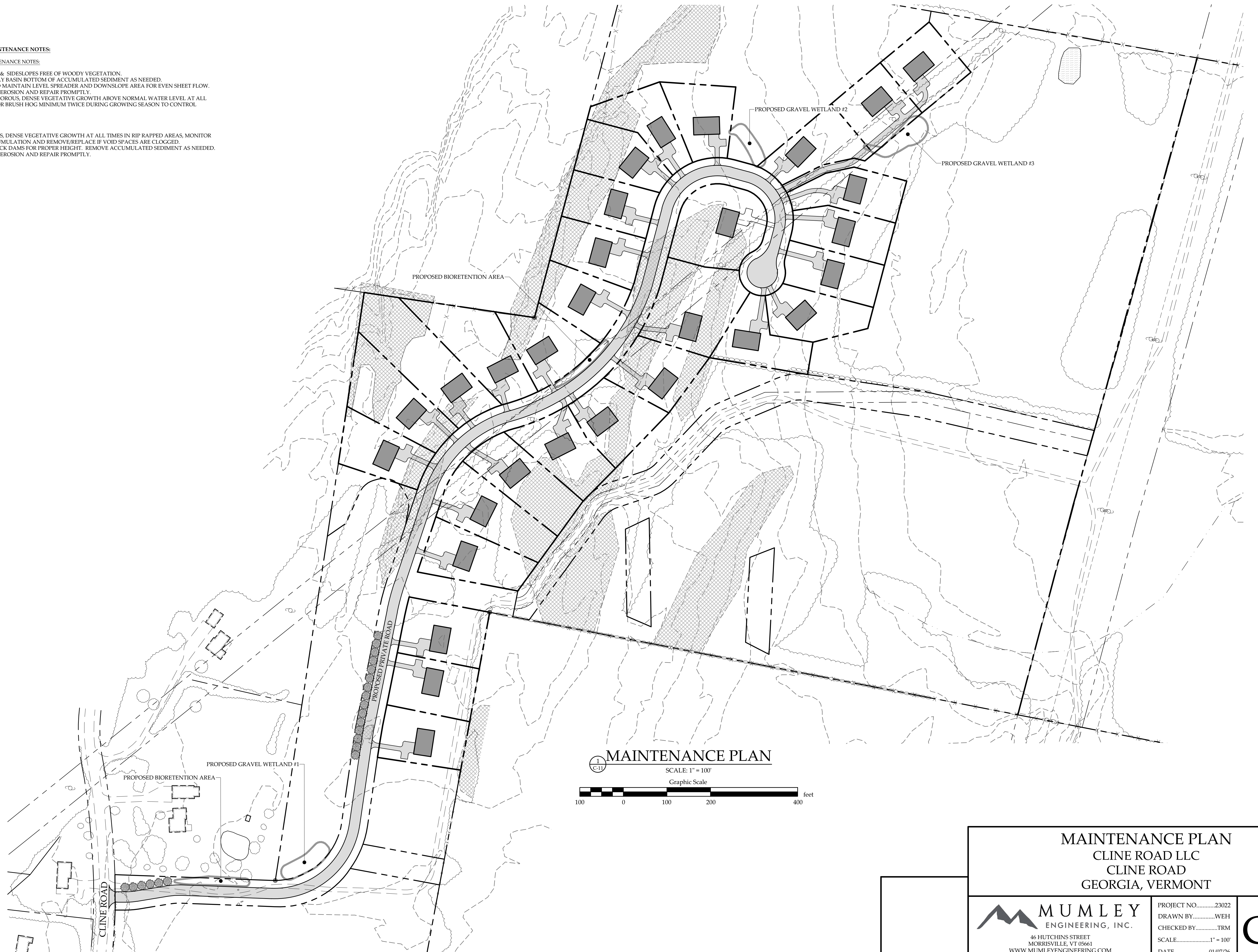
**STORMWATER MAINTENANCE NOTES:**

**STORMWATER MAINTENANCE NOTES:**

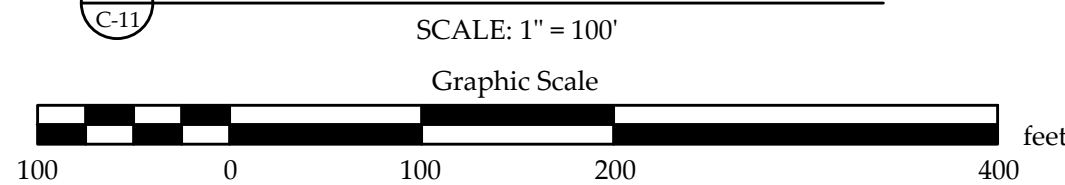
- KEEP FOREBAY & SIDESLOPES FREE OF WOODY VEGETATION.
- CLEAR FOREBAY BASIN BOTTOM OF ACCUMULATED SEDIMENT AS NEEDED.
- MONITOR AND MAINTAIN LEVEL SPREADER AND DOWNSLOPE AREA FOR EVEN SHEET FLOW.
- MONITOR FOR EROSION AND REPAIR PROMPTLY.
- MAINTAIN VIGOROUS, DENSE VEGETATIVE GROWTH ABOVE NORMAL WATER LEVEL AT ALL TIMES. MOW OR BRUSH HOG MINIMUM TWICE DURING GROWING SEASON TO CONTROL GROWTH.

**SWALES**

- MAINTAIN VIGOROUS, DENSE VEGETATIVE GROWTH AT ALL TIMES IN RIP RAPPED AREAS. MONITOR FOR SEDIMENT ACCUMULATION AND REMOVE/REPLACE IF VOID SPACES ARE CLOGGED.
- MONITOR CHECK DAMS FOR PROPER HEIGHT. REMOVE ACCUMULATED SEDIMENT AS NEEDED.
  - MONITOR FOR EROSION AND REPAIR PROMPTLY.



**MAINTENANCE PLAN**



**MAINTENANCE PLAN**  
 CLINE ROAD LLC  
 CLINE ROAD  
 GEORGIA, VERMONT

**MUMLEY**  
ENGINEERING, INC.

46 HUTCHINS STREET  
 MORRISVILLE, VT 05661  
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PROJECT NO.....23022  
 DRAWN BY.....WEH  
 CHECKED BY.....TRM  
 SCALE.....1" = 100'  
 DATE.....01/07/26

SHEET NO.  
**C-11**  
 11 OF 12 SHEETS

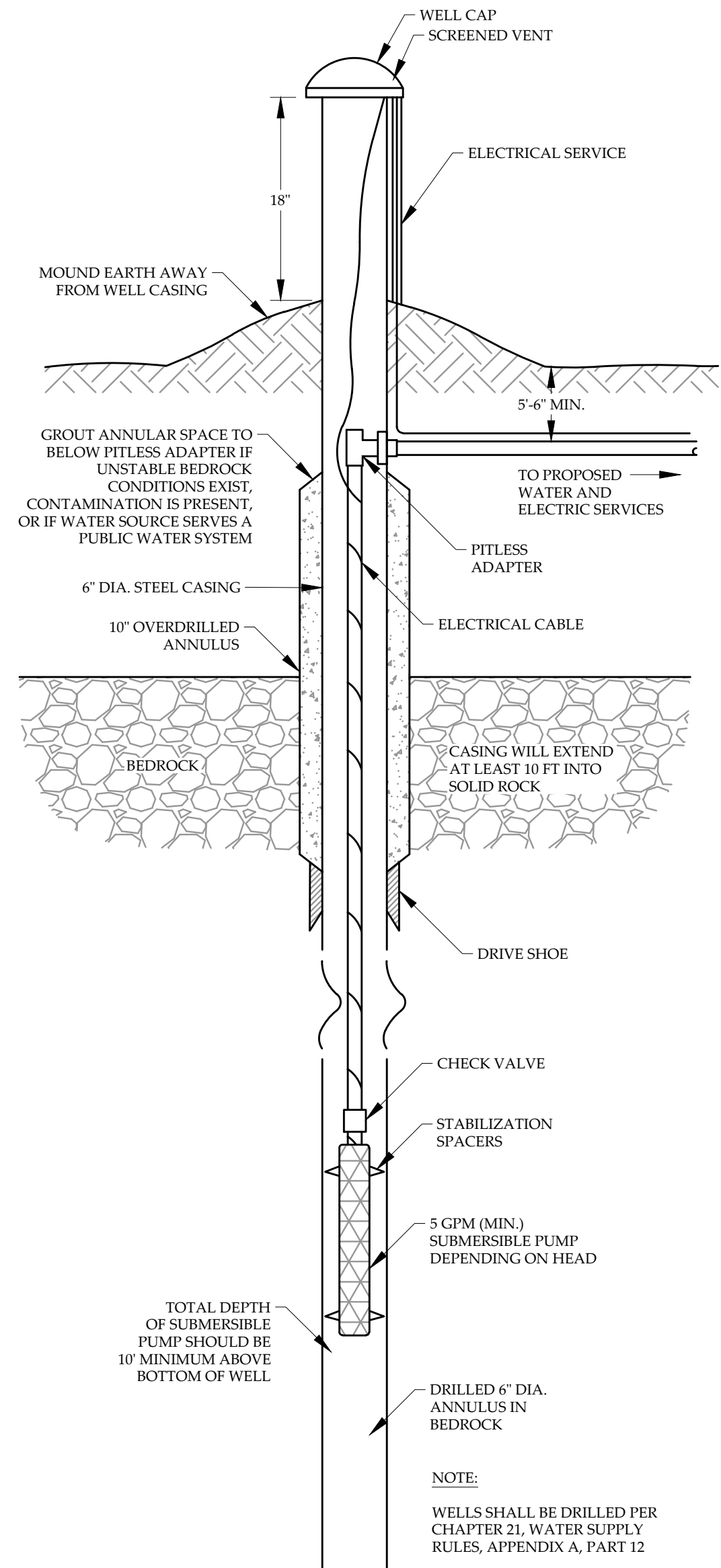
**SPECIFICATIONS FOR BITUMINOUS CONCRETE PAVEMENT, STANDARD BASE AND FINISH COURSES**  
**QUALITY ASSURANCE:**  
 DO NOT PLACE ASPHALTIC CONCRETE PAVING WHEN THE AIR TEMPERATURE IN THE SHADE AND/OR THE ROADBED TEMPERATURE ARE BELOW 50 DEGREE F, OR DURING RAIN, WHEN THE BASE COURSE SURFACE IS WET OR DURING OTHER ADVERSE WEATHER CONDITIONS.  
 DO NOT PLACE TACK COAT WHEN AIR TEMPERATURE IN THE SHADE AND THE ROADBED TEMPERATURE ARE BELOW 40 DEGREE F OR DURING RAIN, FOG OR OTHER ADVERSE WEATHER CONDITIONS.  
 ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND QUALIFIED WORKMEN WITH EQUIPMENT STANDARD WITH THE INDUSTRY.  
 APPROVAL BY ENGINEER OF SOURCES OF SUPPLY FOR MATERIALS SHALL BE OBTAINED PRIOR TO DELIVERY OF MATERIALS.  
 COMPLY WITH FEDERAL, STATE AND/OR LOCAL CODES AND REGULATIONS.  
**MATERIALS:**  
 PROVIDE MATERIALS COMPLYING WITH VERMONT AGENCY OF TRANSPORTATION SPECIFICATION 406.02. BASE COURSE OF PAVEMENT SHALL BE TYPE II AND WEARING COURSE SHALL BE TYPE IV, IN ACCORDANCE WITH VERMONT AGENCY OF TRANSPORTATION SPECIFICATION 406.03A WHERE TRENCHING AND PATCHING THROUGH EXISTING PAVED AREAS, MATCH EXISTING PAVEMENT TYPE. PLACING ASPHALT PAVEMENT - DOUBLE COURSE.  
 INSTALL MANHOLE FRAMES AND COVERS IN CORRECT POSITION AND ELEVATION.  
 INSTALL DRAINAGE FRAMES AND GRATES IN CORRECT POSITION AND ELEVATION.  
 PLACE ASPHALT IN ACCORDANCE WITH VERMONT AGENCY OF TRANSPORTATION SPECIFICATION 406.13. PLACE BASE COURSE TO 1 1/2 INCHES COMPACTED THICKNESS, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.  
 PLACE WEARING COURSE WITHIN TWO HOURS OF PLACING AND COMPACTING BASE COURSE.  
 PLACE WEARING COURSE TO 1 1/2 INCHES COMPACTED THICKNESS, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.  
 WHEN TRENCHING AND PATCHING IN EXISTING PAVED AREAS, MATCH EXISTING PAVEMENT MATERIALS AND THICKNESSES.  
 COMPACT PAVEMENT BY ROLLING. DO NOT DISPLACE OR EXTRUDE PAVEMENT FROM POSITION. HAND COMPACT IN AREAS INACCESSIBLE TO ROLLING EQUIPMENT.  
 DEVELOP ROLLING WITH CONSECUTIVE PASSES TO ACHIEVE EVEN AND SMOOTH FINISH, WITHOUT ROLLER MARKS.  
**PAVEMENT TOLERANCES:**  
 MAXIMUM FLATNESS VARIATION OF 1/4 INCH MEASURED WITH A 10 FOOT (3 M) STRAIGHT EDGE.  
 SCHEDULED COMPACTED THICKNESS: WITHIN 1/4 INCH.  
 VARIATION FROM TRUE ELEVATION: WITHIN 1/4 INCH.  
 THICKNESS: IN 1/4 INCHES COMPACTED IN ACCORDANCE WITH ASTM D3549 WILL NOT BE ACCEPTABLE IF EXCEEDING THE FOLLOWING ALLOWABLE VARIATIONS: BASE COURSE +/- 1/2", SURFACE COURSE +/- 1/4"  
 SURFACE SMOOTHNESS: TEST FINISHED SURFACE OF EACH HOT-MIXED ASPHALT COURSE FOR SMOOTHNESS USING 10 STRAIGHTEDGE APPLIED PARALLEL WITH AND AT RIGHT ANGLES TO CENTERLINE OF THE PAVED AREA. SURFACES WILL NOT BE ACCEPTABLE IF EXCEEDING THE FOLLOWING TOLERANCES FOR SMOOTHNESS: BASE COURSE +/- 1/4", WEARING COURSE SURFACE +/- 3/16"  
 CROWNED SURFACES: TEST WITH CROWNED TEMPLATE CENTERED AND AT RIGHT ANGLE TO CROWN. MAXIMUM ALLOWABLE VARIANCE FROM TEMPLATE IS +/- 1/4".  
 CHECK SURFACE AREAS AT INTERVALS AS DIRECTED BY THE ENGINEER.  
**PROTECTION:**  
 IMMEDIATELY AFTER PLACEMENT, PROTECT PAVEMENT FROM MECHANICAL INJURY FOR 48 HOURS.

- EPSC NOTES:**
- PRE-CONSTRUCTION**
- 1) IN ACCORDANCE WITH MODERATE RISK CONSTRUCTION STORMWATER PERMIT, NOTIFICATION OF ONSITE PLAN COORDINATOR MUST BE FILED WITH STATE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  - 2) ALL SEDIMENT CONTROL MEASURES TO BE CONSTRUCTED PRIOR TO INITIATING PRIMARY EARTHWORK ACTIVITIES.
  - 3) STABILIZATION OF OPERATIONAL STORMWATER TREATMENT PRACTICES MUST BE COMPLETED PRIOR TO DIRECTING ANY RUNOFF TO THEM.
- CONSTRUCTION**
- 4) CONSTRUCTION SCHEDULE AND PHASING SHALL BE COORDINATED TO MINIMIZE CONCURRENT EARTH DISTURBANCE. NOTE: MAX CONCURRENT EARTH DISTURBANCE AT ANY ONE TIME SHALL BE 20 ACRES.
  - 5) ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY OR FINAL STABILIZATION WITHIN 7 DAYS OF THE INITIAL DISTURBANCE. AFTER THIS TIME, ANY DISTURBANCE IN THE AREA MUST BE STABILIZED AT THE END OF EACH WORK DAY. THE FOLLOWING EXCEPTIONS APPLY: a) STABILIZATION IS NOT REQUIRED IF WORK IS TO CONTINUE IN THE AREA WITHIN THE NEXT 24 HOURS AND THERE IS NO PRECIPITATION FORECAST FOR THE NEXT 24 HOURS. b) STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (I.E. NO OUTLET) WITH A DEPTH OF 2 FEET OR GREATER (E.G. FOUNDATION EXCAVATION, UTILITY TRENCHES).
  - 6) WINTER CONSTRUCTION IS NOT ANTICIPATED FOR THIS PROJECT. IF ANY CONSTRUCTION IS PROPOSED OUTSIDE OF THE GROWING SEASON (OCT 15 - APR 15) APPROPRIATE WINTER CONSTRUCTION EPSC MEASURES MUST BE IMPLEMENTED PER THE GENERAL PERMIT 3-900.
  - 7) INSPECTIONS OF CONSTRUCTION ACTIVITIES SHALL BE PERFORMED BY THE ONSITE PLAN COORDINATOR EVERY 7 DAYS (MINIMUM) OR AS DICTATED BY STATE PERMIT.
  - 8) ALL STOCKPILE AND STAGING AREAS TO BE DETERMINED BY CONTRACTOR AND SUBJECT TO STATE CONSTRUCTION STORMWATER REGULATIONS. CONTRACTOR RESPONSIBLE FOR DESIGN, APPROVAL AND IMPLEMENTATION OF ALL EPSC MEASURES INCLUDING SEDIMENT/RUNOFF CONTROLS, STABILIZATION AND RESTORATION.
  - 9) FIBER ROLLS MAY BE IMPLEMENTED ON AN AS-NEEDED BASIS FOR SLOWING RUNOFF ON STEEPER SLOPES - CONTRACTOR TO USE MANUFACTURED PRODUCT AND INSTALL ACCORDING TO MANUFACTURER RECOMMENDATIONS. ROLLS TO BE INSTALLED PARALLEL TO CONTOURS, KEYS INTO SLOPES AND SECURED WITH STAKES TO PREVENT BLOWOUTS OR CONCENTRATIONS.
- STABILIZATION**
- 10) ALL DISTURBED AREAS TO BE VEGETATED AND STABILIZED WITH ROLLED EROSION CONTROL MATTING UNLESS OTHERWISE NOTED ON THE PLANS. SEE DETAIL 10C-4.
  - 11) TOPSOIL AMENDMENTS SHALL BE MADE AS NECESSARY TO PROVIDE NUTRIENT AND pH LEVELS REQUIRED FOR SEED MIX. FOR VEGETATION ESTABLISHMENT PRIOR TO SEPT 15, USE THE FOLLOWING SEED MIX:

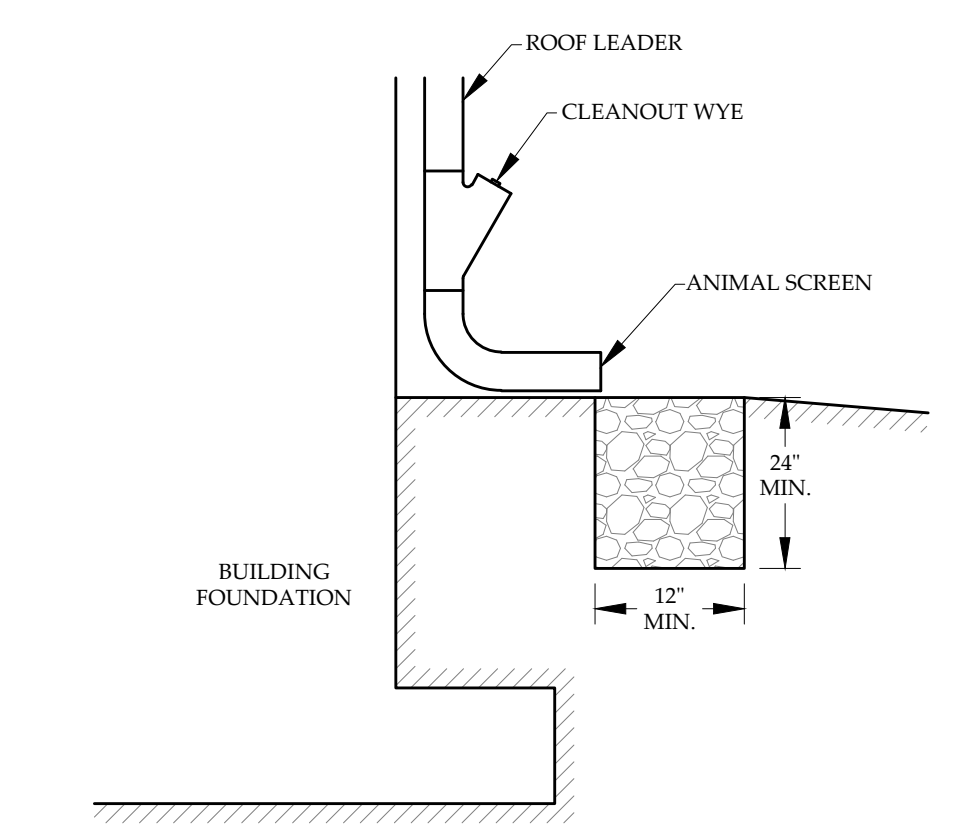
	PROPORTION	PURITY	GERMINATION
CREeping RED FESCUE	60%	85%	97%
MERION, KY. BLUEGRASS	25%	85%	95%
RED TOP	15%	85%	90%

**POST CONSTRUCTION SOIL RESTORATION NOTES:**  
 ALL NATIVE VEGETATION AND SOIL OUTSIDE OF PROJECT AREA TO BE LEFT UNDISTURBED AND PROTECTED FROM COMPACTION DURING CONSTRUCTION. POST CONSTRUCTION SOIL RESTORATION AREAS ARE MADE UP OF ALL DISTURBED AREAS ON SLOPES LESS THAN OR EQUAL TO 3% & ARE NOT COVERED WITH IMPERVIOUS SURFACES, AN INTEGRAL PORTION OF A STORMWATER TREATMENT PRACTICE, OR STRUCTURAL FILL ONCE CONSTRUCTION IS DONE. CONTRACTOR TO IDENTIFY AREAS BEFORE START OF CONSTRUCTION AND INSTALL FENCING TO ENSURE PROTECTION. ANY AREAS THAT ARE DISTURBED AND/OR COMPACTED DURING THE COURSE OF CONSTRUCTION WILL HAVE TOPSOIL RESTORED BY MEANS OF ONE OF THE FOLLOWING METHODS:

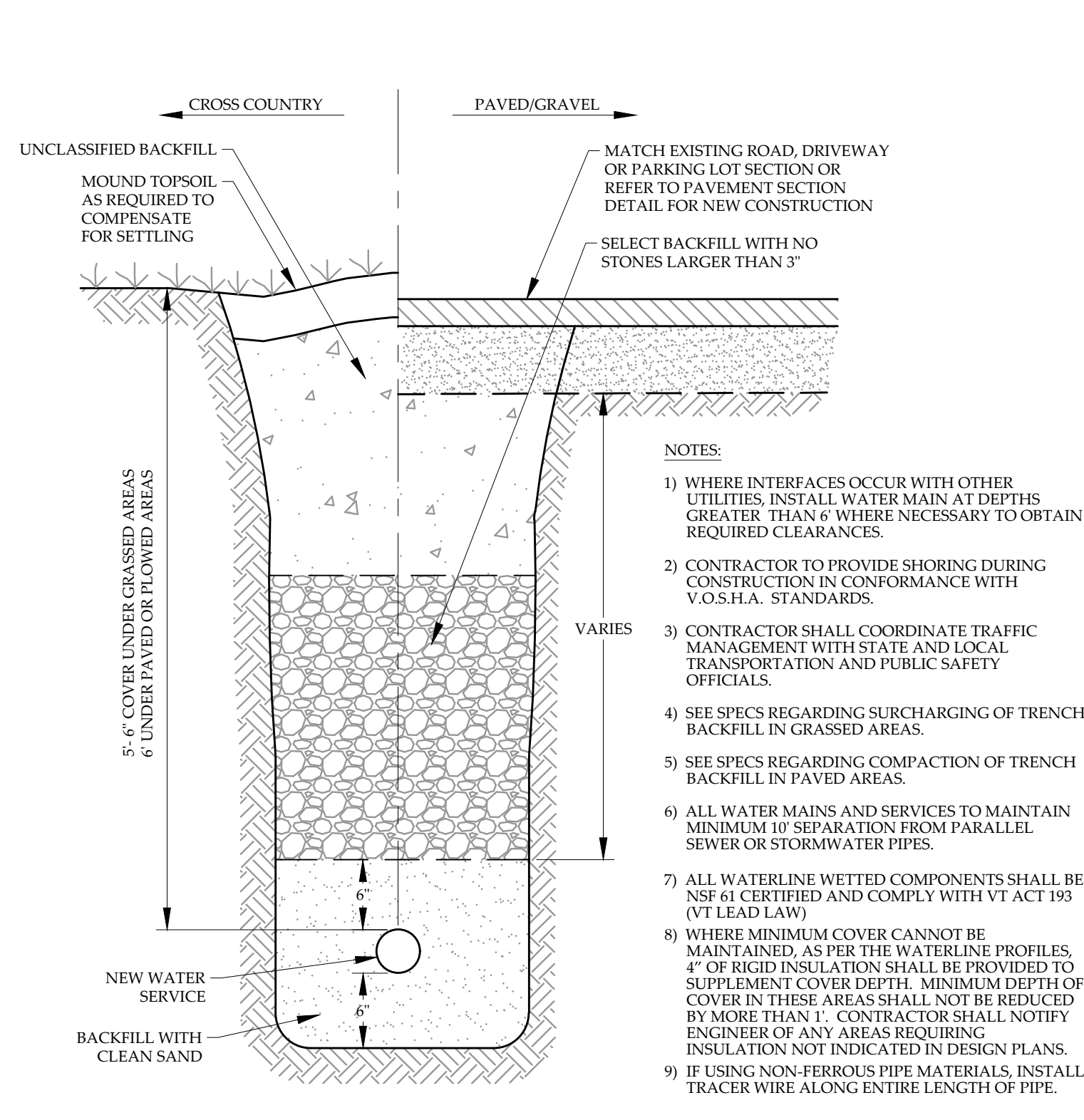
- OPTION 1: AMEND EXISTING SITE TOPSOIL OR SUBSOIL IN PLACE.**
- SCARIFY OR TILL SUBSOILS TO 4 INCHES OF DEPTH OR TO DEPTH NEEDED TO ACHIEVE A TOTAL DEPTH OF 8 INCHES OF UNCOMPACTED SOIL. AFTER CALCULATED AMOUNT OF AMENDMENT IS ADDED, EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION;
  - AMEND SOIL TO MEET ORGANIC CONTENT REQUIREMENTS:
    - o PRE-APPROVED RATE: PLACE 1 INCH OF COMPOSTED MATERIAL WITH AN ORGANIC MATTER CONTENT BETWEEN 40 AND 65%, AND ROTOTILL INTO 3 INCHES OF SOIL, OR
    - o CALCULATED RATE: PLACE CALCULATED AMOUNT OF COMPOSTED MATERIAL OR APPROVED ORGANIC MATERIAL AND ROTOTILL INTO DEPTH OF SOIL NEEDED TO ACHIEVE 4 INCHES OF SETTLED SOIL AT 4% ORGANIC CONTENT;
  - RAKE BEDS TO SMOOTH AND REMOVE SURFACE ROCKS LARGER THAN 2 INCHES IN DIAMETER; AND
  - WATER OR ROLL TO COMPACT SOIL IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY.
- OPTION 2: REMOVE AND STOCKPILE EXISTING TOPSOIL DURING GRADING.**
- STOCKPILE SOIL ON SITE IN A DESIGNATED CONTROLLED AREA, AT LEAST 50 FEET FROM SURFACE WATERS, WETLANDS, FLOODPLAINS, OR OTHER CRITICAL RESOURCE AREAS;
  - SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES, EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION;
  - PLACE 4 INCHES OF IMPORTED TOPSOIL MIX ON SURFACE, THE IMPORTED TOPSOIL MIX SHALL CONTAIN 4% ORGANIC MATTER. SOILS USED IN THE MIX SHALL BE SAND OR SANDY LOAM AS DEFINED BY THE USDA;
  - RAKE BEDS TO SMOOTH AND REMOVE SURFACE ROCKS LARGER THAN 2 INCHES IN DIAMETER; AND
  - WATER OR ROLL TO COMPACT SOIL IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY.
- OPTION 3: IMPORT TOPSOIL MIX, OR OTHER MATERIALS FOR MIXING, INCLUDING COMPOST, OF SUFFICIENT ORGANIC CONTENT AND DEPTH.**
- SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES, EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION;
  - PLACE 4 INCHES OF IMPORTED TOPSOIL MIX ON SURFACE, THE IMPORTED TOPSOIL MIX SHALL CONTAIN 4% ORGANIC MATTER. SOILS USED IN THE MIX SHALL BE SAND OR SANDY LOAM AS DEFINED BY THE USDA;
  - RAKE BEDS TO SMOOTH AND REMOVE SURFACE ROCKS LARGER THAN 2 INCHES IN DIAMETER; AND
  - WATER OR ROLL TO COMPACT SOIL IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY.
- NOTE: CONTRACTOR TO VERIFY SOIL RESTORATION AFTER CONSTRUCTION BY MEANS OF SOIL SAMPLING. SOIL SAMPLING PROCEDURES INCLUDE NINE INCH DEEP TEST HOLES PER ACRE AND SHALL BE AT LEAST 50 FEET APART FROM EACH OTHER. SAMPLE HOLES TO BE DUG BY SHOVEL DRIVEN BY CONTRACTOR'S WEIGHT ALONE.



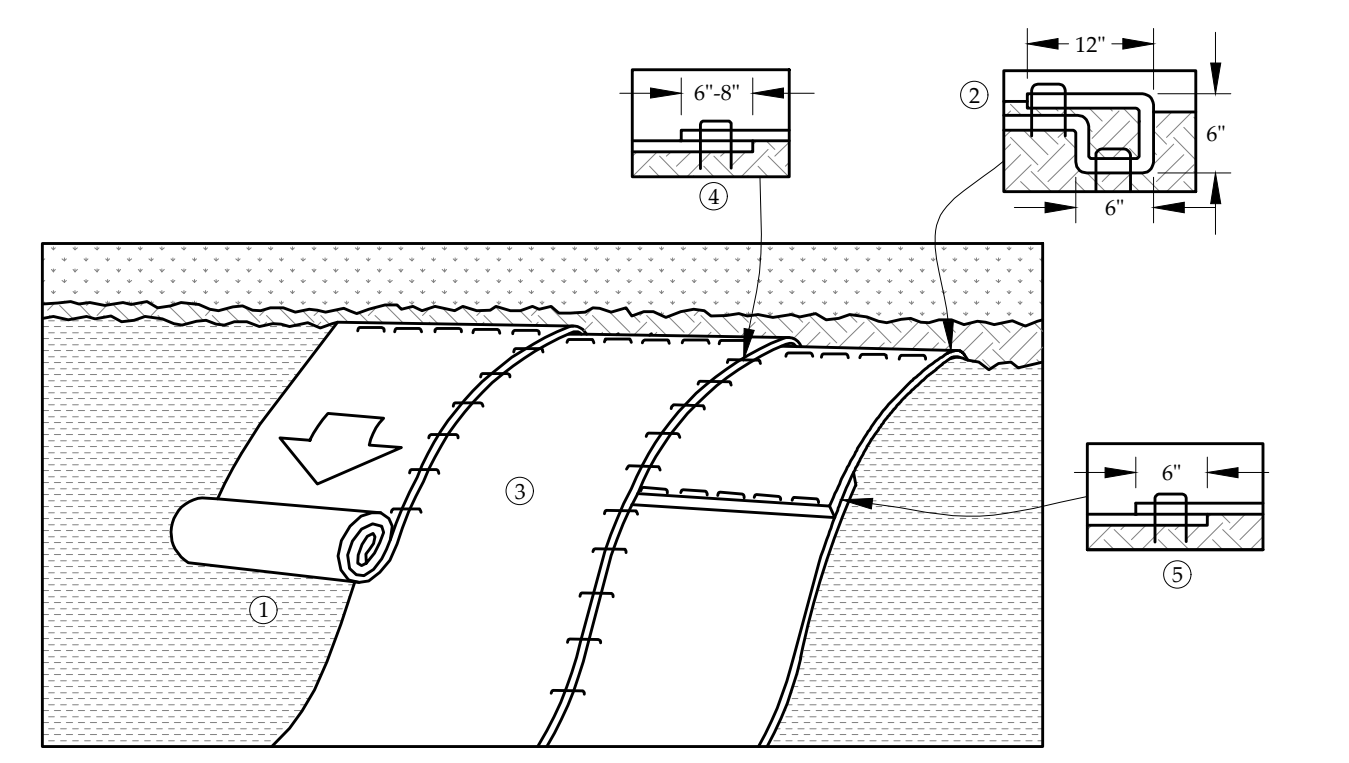
**1 C-12 BEDROCK WELL DETAIL**  
 NOT TO SCALE



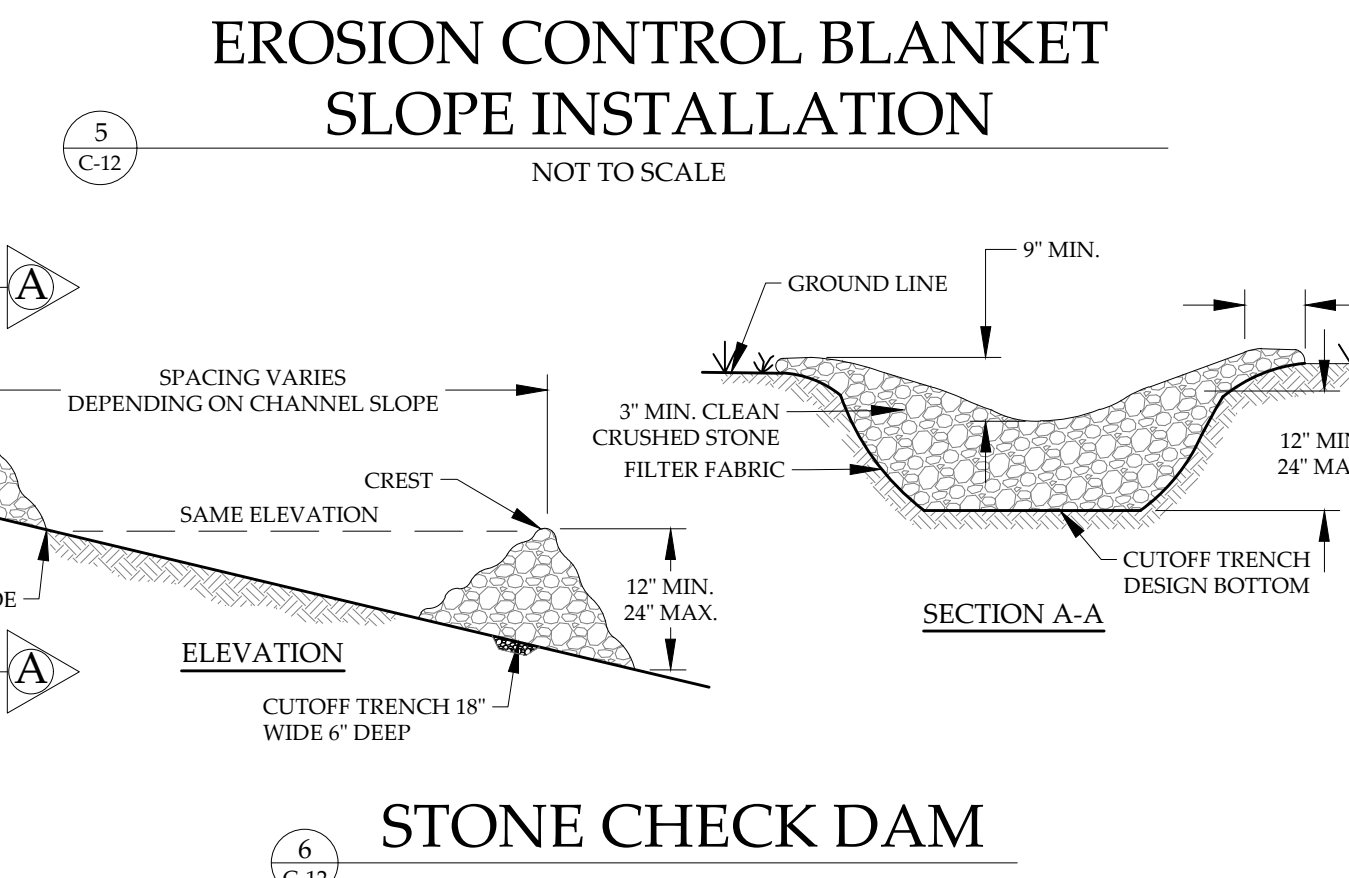
**2 C-12 TYPICAL ROOFTOP DISCONNECTION**  
 NOT TO SCALE



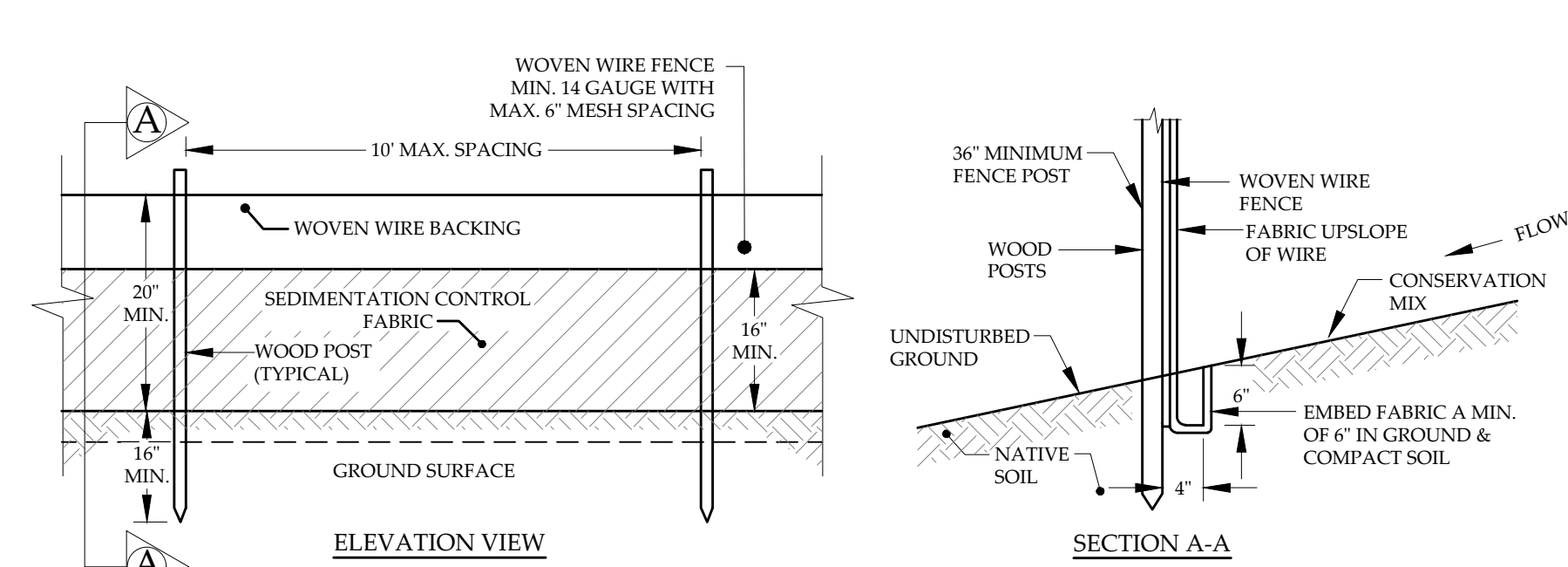
**3 C-12 TYPICAL WATER LINE TRENCH**  
 NOT TO SCALE



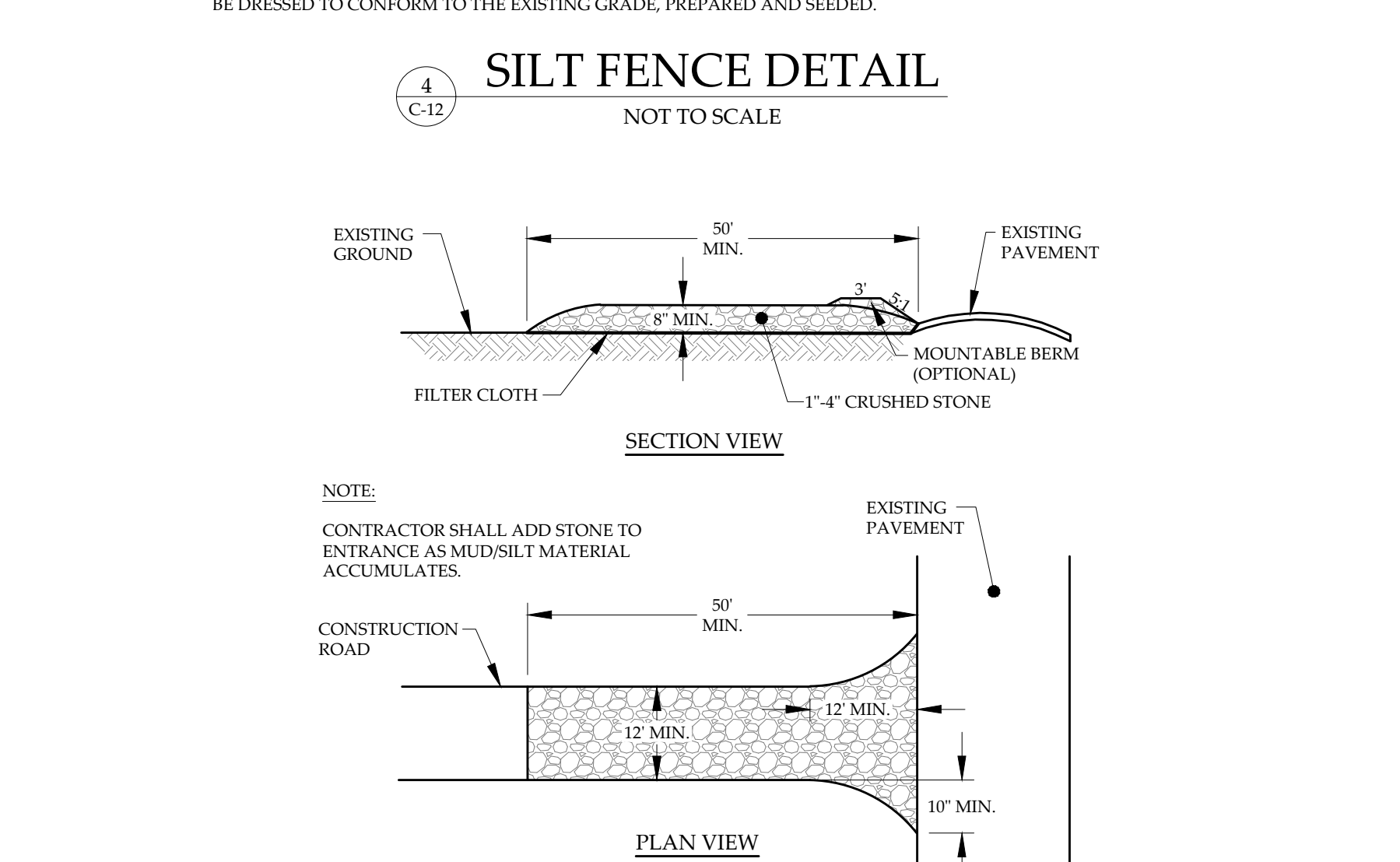
**5 C-12 EROSION CONTROL BLANKET SLOPE INSTALLATION**  
 NOT TO SCALE



**6 C-12 STONE CHECK DAM**  
 NOT TO SCALE



**4 C-12 SILT FENCE DETAIL**  
 NOT TO SCALE



**7 C-12 STABILIZED CONSTRUCTION ENTRANCE**  
 NOT TO SCALE

**DETAILS**  
 CLINE ROAD LLC  
 CLINE ROAD  
 GEORGIA, VERMONT

46 HUTCHINS STREET  
 MORRISVILLE VT 05661  
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PROJECT NO.....23022  
 DRAWN BY.....WEH  
 CHECKED BY.....TRM  
 SCALE.....AS NOTED  
 DATE.....01/07/26

SHEET NO.  
**C-12**  
 12 OF 12 SHEETS