

GRAVEL EXCAVATION PLAN

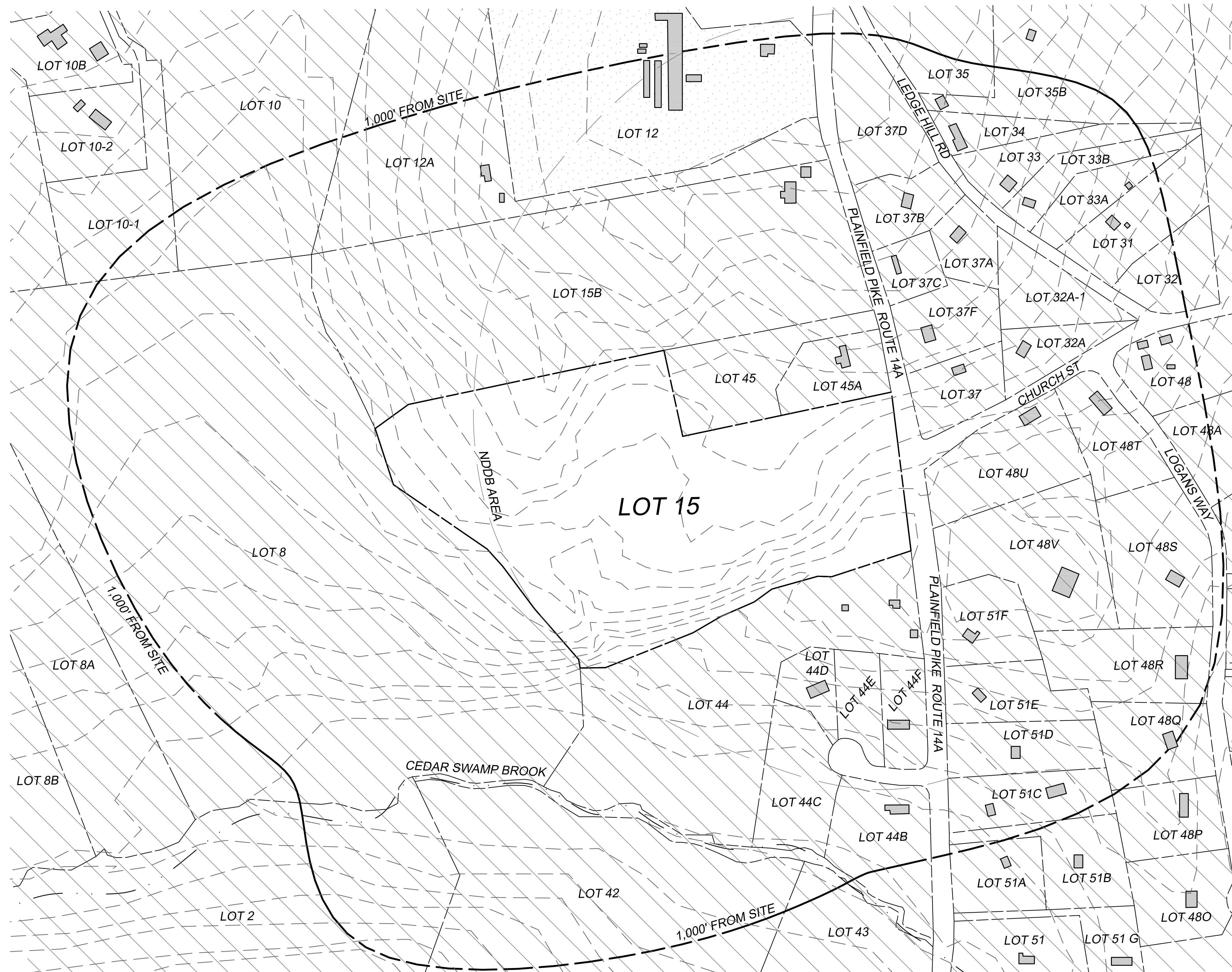
PREPARED FOR
CHARLES W. CORSON III
LOT 15, ROUTE 14A PLAINFIELD PIKE, STERLING CT
DATED; JUNE 20, 2025, REVISED: JANUARY 5, 2025

APPLICANT

CHARLES W. CORSON III,
EXECUTOR OF THE ESTATE
OF CHARLES W. CORSON JR
160 STERLING ROAD
STERLING CT 06377

INDEX OF DRAWINGS

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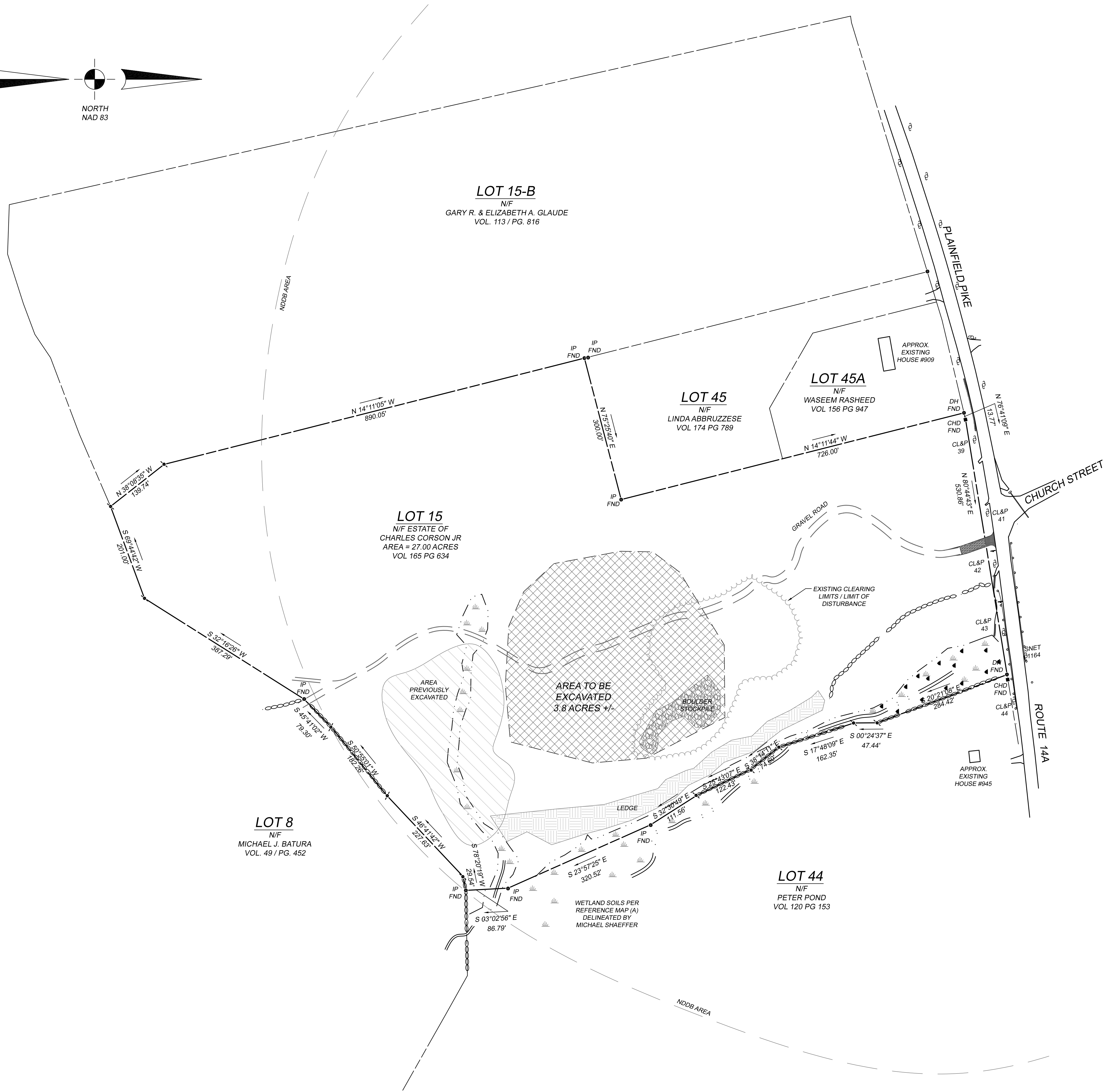
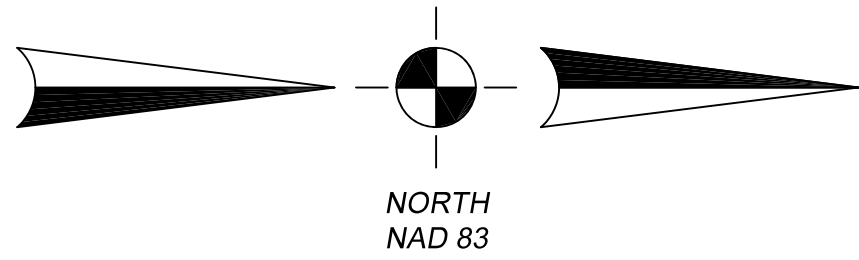
LEGEND

- | | |
|-----|-------------------------|
| --- | 10' CONTOUR LINE |
| --- | WATER |
| --- | PROPERTY LINE |
| --- | ABUTTING PROPERTY LINE |
| --- | 1,000' RADIUS FROM SITE |
| --- | RESIDENTIAL USE |
| --- | NON-RESIDENTIAL USE |

COMPILATION PLAN
SCALE 1" = 200'

J&D SITE
DESIGNS LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920
JDSITEDESIGNS.COM

APPROVED TOWN ENGINEER	
NAME	DATE
APPROVED CHAIRMAN, INLAND WETLANDS AND WATER COURSES COMMISSION	
CHAIRMAN	DATE
APPROVED CHAIRMAN, PLANNING & ZONING COMMISSION	
CHAIRMAN	DATE
APPROVED BOARD OF SELECTMAN	
FIRST SELECTMAN	DATE
PERMIT EXPIRES: _____	



SURVEY NOTES

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS AND SUGGESTED METHODS AND PROCEDURES FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON AUGUST 29, 2019.

SURVEY TYPE: BOUNDARY SURVEY

PURPOSE: TO DEPICT PROPERTY LINES AND EXISTING CONDITIONS

HORIZONTAL ACCURACY: CLASS A2

HORIZONTAL DATUM: NAD 83

VERTICAL DATUM: NAVD 88

2. REFERENCE PLANS:

(A) "PERIMETER SURVEY" PREPARED FOR CHARLES CORSON, CT ROUTE 14A, STERLING CT. BY MESSIER AND ASSOCIATES, INC. DATED MAY 2006. SCALE AS NOTED.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DANIEL BLANCHETTE	DATE	31338
		LICENSE
		NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE
© 2025 J&D SITE DESIGNS, LLC

LEGEND

- PROPERTY LINE
- BUILDING SETBACK LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED CONTOUR LINE
- STONEWALL
- UTILITIES
- TREELINE

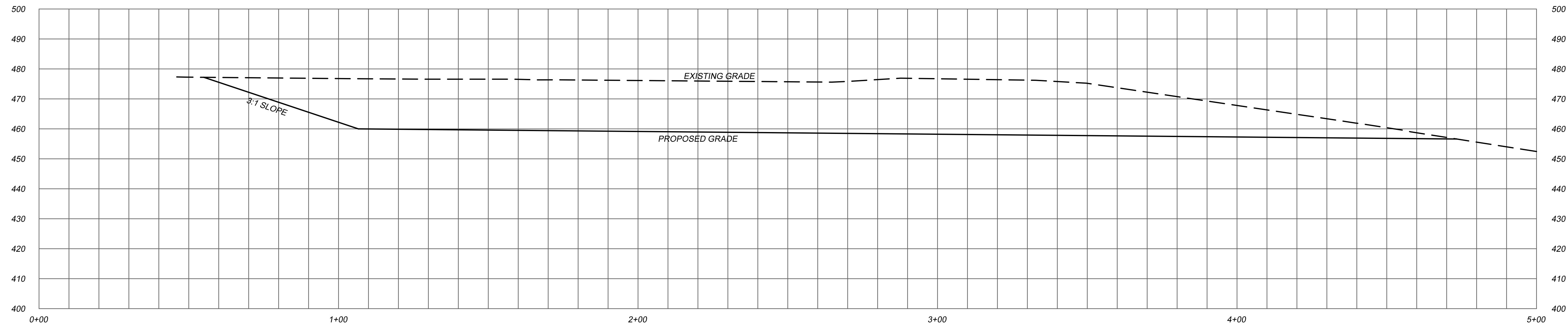
EXISTING CONDITIONS PLAN
PREPARED FOR
CHARLES W. CORSON III
PLAINFIELD PIKE - STERLING, CT
MAP 3830 BLOCK 27 LOT 15



J&D SITE DESIGNS LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2420
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JOB NO: 25041	SCALE: 1" = 100'
DATE: JUNE 20, 2025	SHEET: 2 OF 5
REVISIONS: 2025-01-05 P&Z COMMENTS	



SECTION A-A: EXISTING AND PROPOSED GRADES

1" = 20'

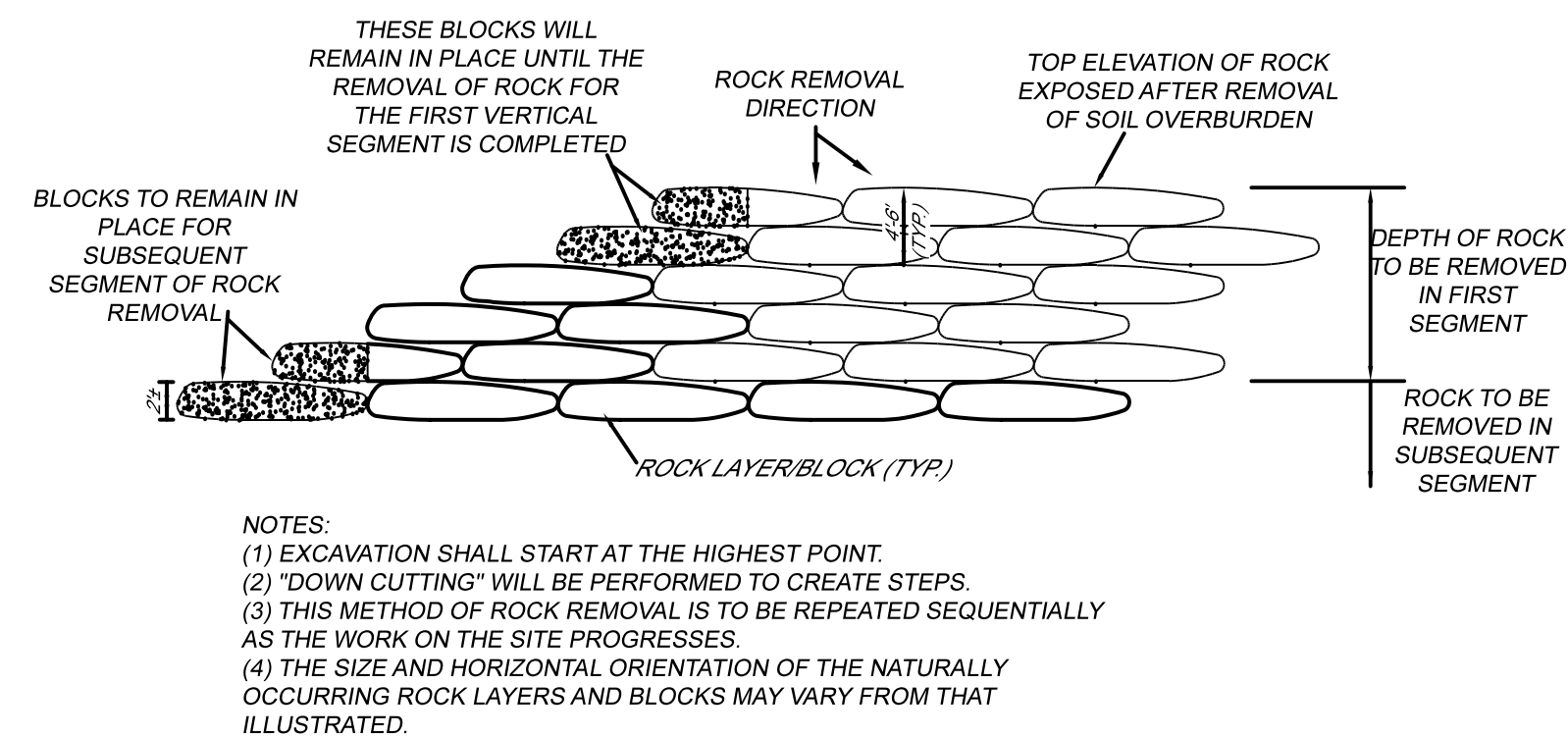
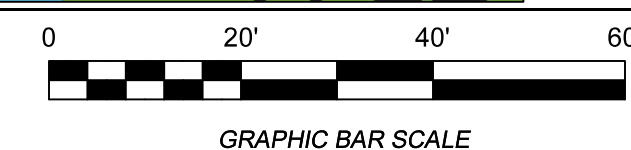


ILLUSTRATION OF ROCK REMOVAL METHOD
(NOT TO SCALE)

EXCAVATION CROSS SECTION
PREPARED FOR
CHARLES W. CORSON III
PLAINFIELD PIKE - STERLING, CT
MAP 3830 BLOCK 27 LOT 15



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JOB NO: 25041	SCALE: 1" = 20'
DATE: JANUARY 5, 2025	SHEET: 4 OF 5
REVISIONS:	

EROSION AND SEDIMENT CONTROL AND SITE RESTORATION PLAN

1. IT IS THE INTENT OF THIS PLAN TO COMPLY WITH THE LATEST REVISION OF THE "CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL", AS PUBLISHED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION. TO PREVENT EROSION AND THE TRANSPORT OF SEDIMENT FROM THE ACTIVITIES ASSOCIATED WITH THIS PROJECT, THIS PLAN AND THE GUIDELINES SHALL BE STRICTLY FOLLOWED.

2. THE OBJECTIVE OF THIS PROJECT IS TO EXCAVATE A PORTION OF THE PROPERTY TO EXTRACT MINERAL RESOURCES (ROCK/STONE). THE EXCAVATION ACTIVITIES ARE EXPECTED TO OCCUR FOR APPROXIMATELY 5 YEARS BEGINNING IN THE SPRING OF 2026. ALL OF THE AREA DISTURBED BY THE EXCAVATION ACTIVITIES ON THIS SITE WILL BE PERMANENTLY RESTORED BY THE ESTABLISHMENT OF A COMPLETE VEGETATIVE COVER EXCEPT FOR ANY AREAS OF ROCK OR STONE FACE WHICH MAY REMAIN EXPOSED, IN ACCORDANCE WITH THE PROCEDURES AND DETAILS HEREON.

3. THE PROPOSED INTERIM GRADING FOR THIS SITE, AND/OR FOR EACH PHASE OF EXCAVATION AND RESTORATION ON THIS SITE, AS APPLICABLE, IS SUCH THAT A GROUND SURFACE WITH AN ELEVATION HIGHER THAN THE SURFACE OF THE LOWEST PORTION OF THE EXCAVATED AREA WILL REMAIN AROUND THE PERIMETER OF THE EXCAVATED AREA. THIS WILL ESSENTIALLY ELIMINATE THE POSSIBILITY OF ANY TRANSPORT OF SEDIMENT TO THE WETLANDS AREAS OR THE PROTECTED BUFFERS ADJACENT TO THE EXCAVATION SITE, AND WILL CONTAIN ALL COLLECTED SURFACE AND GROUNDWATER RUNOFF WITHIN THE ACTIVE WORKING AREA, WHERE IT MAY INFILTRATE INTO THE GROUND. DURING THE COURSE OF OPERATIONS ON THE SITE, THE WETLANDS AND BUFFERS (IF APPLICABLE) WILL BE FURTHER PROTECTED FROM EROSION AND SEDIMENTATION BY A FILTERED ROCK AND STONE BARRIER WHICH WILL BE INSTALLED ALONG THE EASTERN PERIPHERY OF THE PROPOSED EXCAVATION AREA, AS SHOWN ON THE DRAWINGS AND AS DESCRIBED HEREIN. THIS BARRIER SHALL BE INSTALLED AND MADE FUNCTIONAL AS THE FIRST MEASURE OF WORK TO BE PERFORMED ON THIS SITE, PRIOR TO ANY CLEARING, EXCAVATION, OR OTHER ACTIVITIES OCCURRING.

4. AFTER THE INITIAL EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE, THE WORK ON THE SITE SHALL PROCEED IN THE FOLLOWING RECOMMENDED SEQUENCE:

A. CONSTRUCT TEMPORARY GRAVEL ACCESS DRIVEWAY(S) FROM THE EXISTING ACCESS ROAD TO THE PROPOSED EXCAVATION AREA.

B. CONSTRUCT A PAVED PAD FOR EQUIPMENT STORAGE AND MAINTENANCE IN THE LOCATION AS SHOWN ON THESE DRAWINGS.

C. CLEAR AND GRUB THE AREAS OF PROPOSED EXCAVATION, ROCK REMOVAL AND RESTORATION, INCLUDING ANY NECESSARY REMOVAL OF EXISTING SITE FEATURES. MATERIALS REMOVED SHALL BE DISPOSED OF ON OR OFF THE PROPERTY AWAY FROM THE WORK AREA AND OUTSIDE OF WETLANDS, ASSOCIATED REGULATED AREAS AND NON-DISTURBED BUFFERS.

D. STRIP AND STOCKPILE ANY EXISTING TOPSOIL (A HORIZON SOIL) AND LOAM OVERBURDEN (B HORIZON SOIL) FROM THE WORKING AREA TO BE EXCAVATED, AND STOCKPILE ON THE SITE IN THE LOCATION SHOWN ON THESE DRAWINGS, FOR USE AS THE COVER MATERIAL FOR RESTORATION OF THE SITE ONCE THE EXCAVATION ACTIVITIES ARE COMPLETE FOR ANY PARTICULAR PHASE OR PORTION THEREOF. THE A & B HORIZON SOILS SHALL BE STRIPPED AND STOCKPILED SEPARATELY. THE STOCKPILES SHALL BE PROTECTED FROM EROSION AND SEDIMENT TRANSPORT AS DESCRIBED BELOW, NO SURPLUS TOPSOIL, SUBSOIL OR OTHER SOIL LAYERS REQUIRING EXCAVATION TO ACCESS THE ROCK PROPOSED FOR REMOVAL SHOULD BE REMOVED FROM THE SITE UNTIL THE SITE WORK IS COMPLETED OR ANY INTERRUPTED OPERATIONS HAVE BEEN FULLY STABILIZED AND PROPERLY RESTORED.

E. COMMENCE EXCAVATION AND ROCK REMOVAL ACTIVITIES.

[NOTE: STEPS C-E ABOVE SHALL APPLY FOR ANY PARTICULAR PHASE OR SEGMENT OF THE EXCAVATION PROCESS ON THE SITE, AS APPLICABLE.]

F. TEMPORARILY OR PERMANENTLY STABILIZE DISTURBED AREAS AS EXCAVATION ACTIVITIES PROGRESS. PERMANENT RESTORATION SHALL OCCUR AS SOON AS ANY PARTICULAR SECTION OF THE EXCAVATED SITE HAS ACHIEVED FINAL SUBGRADE, AND TEMPORARY RESTORATION SHALL OCCUR WHEN ANY PARTICULAR SECTION HAS ACHIEVED AN INTERIM FINISHED SUBGRADE, SUCH AS FOR THE SURFACE OF A VERTICAL SUBPHASE, SO THAT RESTORATION OF THE SITE PROGRESSES AS THE EXCAVATION ACTIVITIES PROGRESS, AND ONLY THE ACTIVE WORKING AREA, AT ANY PARTICULAR TIME THROUGHOUT THE DURATION OF EXCAVATION ACTIVITIES ON THIS SITE, IS WITHOUT TEMPORARY OR PERMANENT VEGETATIVE COVER.

5. STOCKPILED SOILS SHALL BE PROTECTED FROM WIND AND WATER EROSION BY A TEMPORARY VEGETATIVE COVER OF PERENNIAL RYEGRASS, TACHIED MULCH OR EROSION CONTROL BLANKETS APPLIED TO THEIR SURFACES. THE BASE OF SOIL STOCKPILES SHALL ALSO BE SURROUNDED BY STAKED GEOTEXTILE SILT FENCE, AND/OR STAKED HAYBALE SEDIMENT BARRIERS, TO PREVENT TURBID RUNOFF FROM EXITING THE IMMEDIATE AREA.

6. ALL AREAS DISTURBED BY THE EXCAVATION ACTIVITIES SHALL BE PERMANENTLY RESTORED BY PLACEMENT OF TOPSOIL AND LOAM AND ESTABLISHMENT OF GRASS COVER, IN ACCORDANCE WITH THE FOLLOWING PROCEDURE. THE PERMANENT RESTORATION SHALL BE PERFORMED AS THE FINAL LANDFORM IS ACHIEVED UPON COMPLETION OF ANY PARTICULAR PHASE OR SEGMENT OF THE WORK, AS DESCRIBED ABOVE.

A. FOR ALL DISTURBED AREAS WHICH ARE TO BE PERMANENTLY RESTORED, TOPSOIL WHICH HAS BEEN STOCKPILED ON THE SITE (OR WHICH MAY BE IMPORTED FROM AN OFF-SITE SOURCE) SHALL BE SPREAD ON THE FINISHED SUBGRADE SURFACE TO A MINIMUM SETTLED DEPTH OF 4 INCHES, WITH A MINIMUM OF 8 INCHES OF SUBSOIL AND AS STATED IN SECTION 6.03 F.15.e OF THE STERLING ZONING REGULATIONS.

B. LIME WITH 2000 LB/ACRE OF 100% (= 45.9 LB/1000 S.F.) EFFECTIVE NEUTRALIZING VALUE (ENV) DOLOMITIC LIME, OR AS OTHERWISE ESTABLISHED BY LABORATORY TESTING OF SAMPLES OF THE ACTUAL SOIL TO BE PLACED AND SPREAD ON THE AREAS TO BE PLANTED.

C. APPLY 10-20-20 FERTILIZER AT A RATE OF 500 LB/ACRE, (=11.5 LB/1000 S.F.) OR AS OTHERWISE ESTABLISHED BY LABORATORY TESTING OF SAMPLES OF THE ACTUAL TOPSOIL PLACED AND SPREAD ON THE AREAS TO BE PLANTED.

D. WORK LIME AND FERTILIZER INTO THE TOPSOIL UNIFORMLY TO A DEPTH OF 4 INCHES BY HAND OR WITH SUITABLE EQUIPMENT, FOLLOWING THE FINISH CONTOURS.

E. SMOOTH AND FIRM THE PREPARED TOPSOIL BED AND REMOVE ALL STONES 3 INCHES OR LARGER IN ANY DIMENSION, AND ALL OTHER EXTRANEOUS DEBRIS AND SOIL CLUMPS, FROM THE SURFACE. ALL TRAFFIC SHALL BE PREVENTED FROM ENTERING THE AREAS WHERE THE SEEDBED HAS BEEN PREPARED AND IS READY FOR SEEDING.

F. SPREAD GRASS SEED ON THE PREPARED TOPSOIL SURFACE BY HAND BROADCASTING, HYDROSEEDING OR OTHER AGRONOMICALLY ACCEPTABLE PROCEDURE, ON RELATIVELY LEVEL OR GENTLY SLOPING SURFACES, RAKE IN BY HAND OR MACHINE TO OBTAIN 1-2 INCHES OF SOIL COVER OVER THE SEED (IF NOT HYDROSEEDED). ON STEEPER SLOPES, THE SEED SHALL BE "TRACKED IN" WITH A HEAVY BULLDOZER BY MOVING UP AND DOWN SLOPE, OFFSETTING EACH PASS SO THAT THE ENTIRE AREA IS COVERED WITH TRACKS. THE SEED MIXTURE AND APPLICATION RATE FOR PERMANENT RESTORATION OF DISTURBED AREAS SHALL BE THE FOLLOWING.

CREeping RED FESCUE	20 LB/AC.	0.50 LB/1000 S.F.
REDTOP (STREEKER, COMMON)	2 LB/AC.	0.05 LB/1000 S.F.
PERENIA RYE GRASS	20 LB/AC.	0.50 LB/1000 S.F.
TOTAL	42 LB/AC.	1.05 LB/1000 S.F.

ONLY "CERTIFIED" SEED VARIETIES SHALL BE USED, AS LISTED IN ARTICLE M.13.04 OF CONNECTICUT D.O.T. "FORM 816", AS AMENDED. SEEDING IS RECOMMENDED ONLY DURING THE PERIODS OF APRIL 1 THROUGH JUNE 15 AND AUGUST 15 THROUGH OCTOBER 1.

G. IF NOT SEASONABLY POSSIBLE TO PERFORM PERMANENT SEEDING, OR IF INCOMPATIBLE WITH ONGOING EXCAVATION OPERATIONS, TEMPORARILY SEED THE DISTURBED AREAS WITH PERENNIAL RYEGRASS HAVING A MINIMUM PURITY OF 98 PERCENT AND A MINIMUM GERMINATION OF 90 PERCENT, APPLIED AT THE RATE OF 30 LB/ACRE (= 0.69 LB/1000 S.F.)

H. WHETHER PERMANENTLY OR TEMPORARILY STABILIZED, MAINTAIN AND REPAIR ALL NEWLY RESTORED AREAS UNTIL VEGETATION IS WELL ESTABLISHED AND GROWING SELF-SUFFICIENTLY.

7. THE DISTURBANCE OF THE LAND SHALL NOT EXCEED THE LIMITS AS INDICATED ON THE DRAWINGS AND/OR AS MARKED ON THE SITE BY THE SURVEYOR. THE LIMITS OF DISTURBANCE FOR EACH PHASE OF THE EXCAVATION AND RESTORATION OPERATION, AS APPLICABLE, WILL BE ESTABLISHED IN THE FIELD BY THE SURVEYOR, PRIOR TO STARTING ANY ACTUAL EXCAVATION ACTIVITIES.

8. EXCAVATION AND RESTORATION TAKING PLACE AS THE WORK PROGRESSES SHALL BE DONE IN A MANNER TO ALLOW DRAINAGE TOWARD THE EXCAVATED AREA AND/OR EROSION AND SEDIMENT CONTROL BARRIERS. CONCENTRATED RUNOFF SHALL NOT BE PERMITTED TO OVERFLOW NEWLY GRADED AREAS, SEDIMENT BARRIERS OR OTHER EROSION AND SEDIMENT CONTROL MEASURES. IF ANY ACCUMULATED STORMWATER OR GROUNDWATER RUNOFF OCCURS IN AN ACTIVE ROCK REMOVAL WORKING AREA AND MUST BE REMOVED TO ALLOW CONTINUED WORK IN THAT AREA, IT SHALL BE PUMPED FROM THE WORK AREA TO THE VICINITY OF THE FILTERED ROCK AND STONE BARRIER AT THE SOUTHERN PERIMETER OF THE EXCAVATED AREA.

9. WHERE SEASONABLY POSSIBLE AND WHERE ONGOING EXCAVATION ACTIVITIES PERMIT, THE DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED AS THE WORK PROGRESSES, AS DESCRIBED ABOVE. WHEN PERMANENT STABILIZATION IS NOT TIMELY OR POSSIBLE, THE DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED, AS ALSO DESCRIBED ABOVE.

10. DURING THE ENTIRE PERIOD OF EXCAVATION AND RESTORATION ON THE SITE, ALL DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN PERMANENTLY STABILIZED, STRUCTURAL CONTROL MEASURES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, IMMEDIATELY AFTER EACH RAINSTORM WITH A RAINFALL TOTAL OF ONE-HALF INCH OR GREATER, AND AT LEAST DAILY DURING A MAJOR STORM EVENT OR DURING A PERIOD OF PROLONGED RAINFALL. ACCUMULATED DEPOSITS OF SEDIMENT AND SILT SHALL BE PERIODICALLY REMOVED FROM THE UPHILL SIDE OF THE EROSION AND SEDIMENT CONTROL CHECKS, AND UPON ESTABLISHMENT OF PERMANENT SEEDING. SUCH MATERIALS REMOVED SHALL BE TRANSPORTED FROM THE IMMEDIATE WORK AREA AND SPREAD AND STABILIZED OUTSIDE OF WETLANDS AND ASSOCIATED REGULATED AREAS AND NON-DISTURBED BUFFERS, IN LOCATIONS WHICH ARE NOT SUBJECT TO EROSION, OR REMOVED FROM THE SITE. SILT FENCE AND HAYBALE SEDIMENT BARRIERS AND OTHER EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REPLACED AS NECESSARY THROUGHOUT THE DURATION OF THE WORK ON THE SITE, IN ORDER TO MAINTAIN COMPLETE AND INTEGRAL EROSION AND SEDIMENT CONTROL PROTECTION, ALSO THROUGHOUT THE DURATION OF THE WORK ON THIS SITE, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES, BEYOND THOSE SHOWN ON THE PLANS AND/OR PRESCRIBED HEREIN, SHALL BE IMPLEMENTED AS MAY BE DEEMED NECESSARY BY SITE CONDITIONS AND/OR AS ORDERED BY THE TOWN OF STERLING. ONCE IN PLACE, ALL EROSION AND SEDIMENT CONTROL FACILITIES AND MEASURES ARE TO REMAIN IN PLACE AND IN PROPER FUNCTIONING CONDITION, AND BE CONTINUOUSLY MAINTAINED, UNTIL ALL DISTURBED AREAS UPGRADIENT OF SAID FACILITIES ARE PERMANENTLY STABILIZED AND ALL NEW VEGETATION IS WELL ESTABLISHED AND GROWING SELF-SUFFICIENTLY. FOLLOWING RE-ESTABLISHMENT OF PERMANENT VEGETATIVE COVER, THE EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE DISMANTLED, REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

11. A QUALIFIED INDIVIDUAL SHALL BE DESIGNATED BY THE PROPERTY OWNER AND/OR EXCAVATION CONTRACTOR TO BE PERSONALLY RESPONSIBLE FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL AND SITE RESTORATION PLAN AND ENFORCING THE PRESCRIBED EROSION AND SEDIMENTATION CONTROL SAFEGUARDS DURING THE ENTIRE PERIOD OF OPERATIONS ON THIS SITE. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES THROUGHOUT THE WORK PERIOD, INFORMING ALL PARTIES ENGAGED ON THE SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE PROPER TOWN AGENCIES AND OFFICIALS OF ANY TRANSFER OF THIS RESPONSIBILITY, AND CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

OBJECTIVE

THE OBJECTIVE OF THIS OPERATIONS AND STORMWATER MANAGEMENT PLAN IS TO INCORPORATE ACCEPTED BEST MANAGEMENT PRACTICES (BMP'S) INTO THE PROJECT DESIGN TO MAXIMIZE CONTAINMENT AND TREATMENT OF STORMWATER DURING THE EXCAVATION, ROCK REMOVAL AND RESTORATION OPERATIONS ON THIS PROPOSED PROJECT, AND TO PROVIDE FOR PROPER EROSION AND SEDIMENT CONTROL MEASURES ON THE SITE, TO PROTECT ANY NEARBY AQUIFERS AND THE UNDISTURBED AREAS OUTSIDE OF THE WORK AREA FROM IMPACT.

SITE DESCRIPTION

1. THE PROPOSED EXCAVATION SITE IS LOCATED ON ROUTE 14A IN STERLING, CT. ACCESS TO THE EXCAVATION SITE WILL BE BY WAY OF AN EXISTING ACCESS (HAUL) ROAD WHICH STARTS AT ROUTE 14A AND RUNS SOUTHERLY INTO THE PROPERTY. THIS ROAD WILL BE IMPROVED AS MAY BE NECESSARY TO PROVIDE A MINIMUM WIDTH OF 12 FEET AND AN ALL-WEATHER SURFACE. THIS ROAD SHALL BE USED AS THE SOLE ACCESS AND EGRESS TO AND FROM THE SITE FOR THE DURATION OF THE EXCAVATION, ROCK REMOVAL AND RESTORATION OPERATIONS.

2. APPROXIMATELY 3.8 ACRES ± WILL BE DISTURBED FOR THE PROPOSED EXCAVATION AND ROCK REMOVAL.

3. THERE IS A SURFACE WATERCOURSE AND ASSOCIATED WETLANDS LOCATED TO THE SOUTH OF THE PROPOSED EXCAVATION AND ROCK REMOVAL SITE. THE WATERCOURSE AND WETLANDS WILL BE PROTECTED BY THE FILTERED ROCK AND STONE BARRIER, THE NATURE OF THE PROPOSED EXCAVATION ACTIVITIES, AND THE FINISHED GRADING AS SHOWN ON THE DRAWINGS, WHEREIN ALL SURFACE WATER RUNOFF AND ANY SEDIMENTATION WILL BE CONTAINED AND/OR CONTROLLED WITHIN THE WORK AREA, PRIOR TO ANY RELEASE OF RUNOFF TO THE WATERCOURSE OR WETLANDS.

4. EROSION AND SEDIMENT CONTROL MEASURES AS DESCRIBED HEREON AND/OR AS SHOWN ON THE DRAWINGS SHALL BE STRICTLY FOLLOWED FOR THE DURATION OF THE EXCAVATION AND RESTORATION ACTIVITIES ON THIS PROPERTY.

EXCAVATION AND RESTORATION PHASE DESCRIPTION

1. APPROXIMATELY 75,000 CUBIC YARDS OF STONE MATERIALS ARE EXPECTED TO BE REMOVED DURING THE EXCAVATION OF THIS SITE AS PROPOSED. ON-SITE PROCESSING OF STONE SHALL CONSIST OF THE FOLLOWING: EXCAVATORS WILL REMOVE BLOCKS OF STONE. BLOCKS OF STONE WILL THEN BE CUBED BY DRILLING AND USING FEATHER AND WEDGES TO SPLIT THE STONE TO SIZE. IN SOME CASES, HAND SPLITTING OF STONE WITH 14-16 LB SPLITTING HAMMERS MAY BE UTILIZED. IN MOST CASES THESE CUBED SPLIT STONES WILL BE LOADED INTO A CONTAINER AND REMOVED FROM THE SITE. ALL EXCESS MATERIALS NOT REQUIRED FOR SITE RESTORATION AT THE COMPLETION OF THE EXCAVATION AND RESTORATION OPERATIONS WILL BE REMOVED FROM THE PROPERTY BY DUMP TRUCK AND DELIVERED TO OTHER LOCATIONS.

2. THERE WILL BE APPROXIMATELY 10 DUMP TRUCK TRIPS PER DAY TO AND FROM THE SITE DURING PEAK EXCAVATION AND ROCK REMOVAL ACTIVITY. THE INTERNAL HAUL ROAD TO THE SITE, DESCRIBED ABOVE, SHALL BE THE SOLE MEANS OF ACCESS AND EGRESS TO THE EXCAVATION SITE FOR THE DURATION OF THE PROJECT. THE LOCATION OF THIS ROAD WITHIN THE EXCAVATION AND ROCK REMOVAL WORKING AREA MAY CHANGE AS THE OPERATIONS ON THE SITE REQUIRE. THE ACCESS ROAD SHALL BE PROPERLY MAINTAINED FOR DUST AND MUD PREVENTION AND CONTROL, FOR THE DURATION OF THE TRUCKING OPERATIONS, AND TO PREVENT SUCH FROM BEING TRACKED ONTO THE ROAD. DUST AND MUD CONDITIONS WHICH MAY OCCUR ON THE ACCESS ROAD SHALL BE CONTROLLED AS NEEDED WHEN SUCH CONDITIONS OCCUR, IN AN APPROPRIATE MANNER SUCH AS PLACEMENT OF ADDITIONAL ROCK TAILINGS OR STONE TREATMENT ON THE SURFACE. TRUCKS TRAVELING TO AND FROM THIS SITE WILL USE ROUTE 14A IN BOTH DIRECTIONS.

3. EXCAVATION ON AND TRUCKING FROM THE SITE WILL GENERALLY OCCUR BETWEEN 7:00 A.M. AND 5:00 P.M., PREVAILING TIME, MONDAY THROUGH FRIDAY, AND 8:00 A.M. TO 12:00 P.M. SATURDAY, EXCEPT FOR MAJOR NATIONAL HOLIDAYS. NO EXCAVATION ACTIVITY (EXCAVATION OF MATERIALS, LOADING VEHICLES, ETC.) SHALL BE CONDUCTED PRIOR TO 7:00 A.M. NO VEHICLES USED TO REMOVE MATERIAL FROM THE SITE SHALL ENTER THE SITE PRIOR TO 7:00 A.M.

4. THE PROPOSED EXCAVATION WILL BE PERFORMED BY PROGRESSIVE "DOWN-CUTTING" INTO THE GROUND, REMOVING BLOCKS OF ROCK AS ILLUSTRATED ON THIS DRAWING, THUS LIMITING THE ACTIVE WORKING AREA AND CONTAINING SURFACE STORMWATER AND GROUNDWATER RUNOFF TO A SMALL SECTION OF THE SITE AT ANY PARTICULAR POINT THROUGHOUT THE DURATION OF THE EXCAVATION, ROCK REMOVAL AND RESTORATION OPERATIONS.

5. ANY PROCESSING OF MATERIALS ON SITE, INCLUDING ROCK, SHALL BE LIMITED TO MATERIALS EXCAVATED FROM THIS LOCATION. NO MATERIAL SHALL BE IMPORTED TO THIS OPERATION FOR PROCESSING AND/OR STOCKPILING PURPOSES, EXCEPT FOR SITE RESTORATION.

6. IF BLASTING IS NECESSARY FOR ANY OF THE ROCK REMOVAL ON THIS SITE, ALL STORAGE, TRANSPORTATION AND USE OF EXPLOSIVES AND BLASTING AGENTS SHALL CONFORM TO SECTION 29-349 OF THE CONNECTICUT GENERAL STATUTES, ANY ASSOCIATED STATE REGULATIONS ADMINISTERED BY THE OFFICE OF THE STATE FIRE MARSHAL, AND ANY ADDITIONAL REQUIREMENTS OF THE LOCAL FIRE MARSHAL.

STORMWATER MANAGEMENT PRACTICES

1. THERE ARE TWO SOURCES OF POTENTIAL STORMWATER CONTAMINATION WHICH MAY OCCUR DURING THE EXCAVATION, ROCK REMOVAL AND RESTORATION OPERATIONS ON THE SITE AS PROPOSED. THE FIRST AND MOST SIGNIFICANT POTENTIAL SOURCE IS ERODED SOIL PARTICLES, WHICH MIGHT BE DEPOSITED AS SEDIMENT IN DOWNSTREAM WATER RESOURCES IF NOT CONTROLLED ON SITE.

2. IN ADDITION TO THE PHYSICAL INTRODUCTION OF SEDIMENT INTO A WATER RESOURCE, SEDIMENTS MAY CARRY OTHER CHEMICAL CONSTITUENTS ADSORBED TO SOIL PARTICLES. SPECIFIC SEDIMENT AND EROSION CONTROLS, WHICH WILL MINIMIZE ANY POTENTIAL EROSION PROBLEM, HAVE BEEN INCORPORATED INTO THE SITE EXCAVATION PLAN AND THIS NARRATIVE. PROPER INSTALLATION, ADJUSTMENT TO FIELD CONDITIONS, INSPECTION AND MAINTENANCE ARE ALL KEY FACTORS IN EFFECTIVE SEDIMENT CONTROL. IT SHOULD BE NOTED THAT SEDIMENT MAY AFFECT SURFACE WATERS AND WETLANDS, BUT IT DOES NOT AFFECT GROUNDWATER.

3. THE OTHER POTENTIAL CONTAMINATION SOURCE DURING EXCAVATION, ROCK REMOVAL AND RESTORATION OPERATIONS IS FROM MOTOR VEHICLE AND EQUIPMENT OPERATIONS. OIL, GREASES AND GASOLINE MAY BE LEAKED OR SPILLED ONTO THE GROUND, AND THEIR CONSTITUENTS MAY AFFECT GROUNDWATER. THESE ARE READILY CONTROLLED BY DESIGNATING A SINGLE UPLAND LOCATION FOR ANY VEHICLE OR EQUIPMENT FUELING AND MAINTENANCE WHICH MAY OCCUR ON THE SITE. DOWNSLOPE AREAS MAY BE PROTECTED BY AN OIL SORBENT BERM, AND ANY VISUALLY CONTAMINATED SOIL CAN BE DISPOSED OF IN AN APPROPRIATE MANNER AS IT OCCURS.

EQUIPMENT

1. EXCAVATORS, LOADERS, AIR COMPRESSORS, AND A PORTABLE SPLITTING MACHINE MANUFACTURED BY PARK INDUSTRIES OR EQUAL MAY BE USED FOR THE OPERATIONS TO BE CONDUCTED ON THIS SITE. IN MOST CASES, THE EQUIPMENT WILL REMAIN AT THE SITE ONLY WHEN REMOVING STONE.

2. IN MOST CASES WHEN THE MARKET CONDITIONS HAVE BEEN MET, ALL EQUIPMENT WILL BE REMOVED FROM THIS SITE UNTIL THE MARKET CONDITIONS CHANGE, THEN THE EQUIPMENT WILL BE MOVED BACK TO THE WORK SITE.

3. ANY EQUIPMENT REMAINING ON SITE DURING NON-WORKING HOURS SHALL BE PARKED ON A PAVED PAD CONSTRUCTED IN THE LOCATION INDICATED ON THE DRAWING. ALL FUELING OF EQUIPMENT USED ON SITE SHOULD ALSO BE PERFORMED ON THIS PAVED PAD. DUMP TRUCKS USED FOR HAULING MATERIALS EXCAVATED AND/OR RELOCATED ON THE SITE SHALL BE FUELED OFF SITE. NO ROUTINE MAINTENANCE OF WHEELED TRUCKS AND EQUIPMENT SHALL BE PERFORMED ON SITE. NO FUEL OR OTHER CONTAMINANTS SHALL BE STORED ON THE SITE.

RESTORATION PHASE

AS THE EXCAVATION AND ROCK REMOVAL OPERATIONS ARE PERMANENTLY OR TEMPORARILY COMPLETED FOR ANY PARTICULAR PHASE OR SUBPHASE OF WORK ON THE SITE, THE DISTURBED AREA SURROUNDING AND INCLUDING THE EXCAVATION AREA SHALL BE RESTORED AS DESCRIBED IN THE "EROSION AND SEDIMENT CONTROL AND SITE RESTORATION PLAN" HEREON.

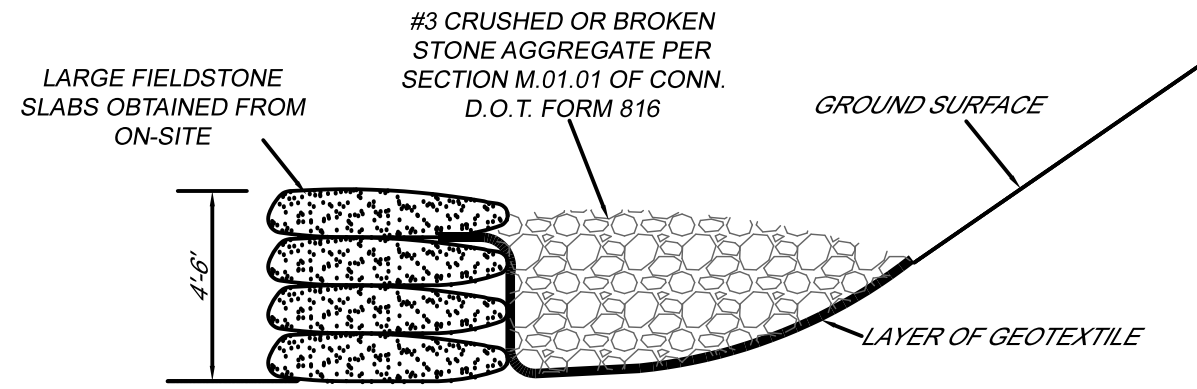
SPECIFIC PROCEDURES TO BE IMPLEMENTED BEFORE AND DURING WORK ON THE SITE

1. ALL CONTRACTORS WORKING ON THE SITE SHALL INFORM THEIR EMPLOYEES WHO MAY WORK AT THE SITE THAT THEY ARE WORKING NEAR AN AQUIFER, WETLAND AND/OR SURFACE WATERCOURSE AREAS, AS MAY BE APPLICABLE, AND THAT, IN THE EVENT OF A SPILL OF GASOLINE, DIESEL FUEL, FUEL OIL, OTHER OILS OR HYDROCARBONS, OR OTHER HAZARDOUS MATERIAL, THE INCIDENT MUST BE REPORTED IMMEDIATELY TO THE SITE SUPERVISOR, LOCAL FIRE DEPARTMENT AND CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS MATERIAL MANAGEMENT OIL AND CHEMICAL SPILL UNIT. A PERMANENT SIGN STATING THIS REQUIREMENT AND THE TELEPHONE NUMBERS OF BOTH AGENCIES, AS WELL AS THE STATEWIDE '911' EMERGENCY NUMBER, SHALL BE CLEARLY POSTED AT THE SITE IN THE VICINITY OF THE REFUELING AREA.

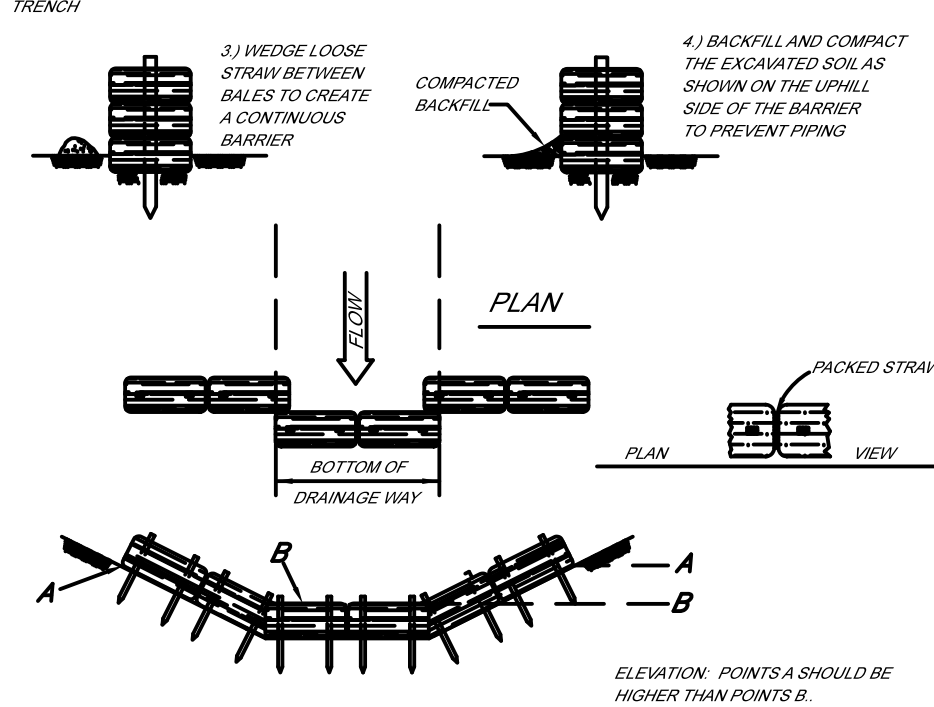
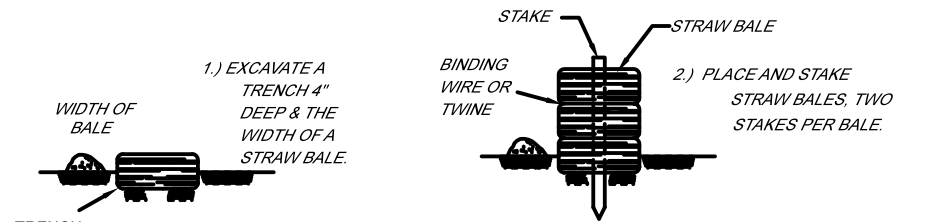
2. A DETAILED EQUIPMENT FUELING AND MANAGEMENT PLAN SHALL BE PREPARED BY THE PRIME SITE EXCAVATION CONTRACTOR, AND SUBMITTED TO THE TOWN OF STERLING FOR REVIEW AND APPROVAL BY BOARD OF SELECTMAN AND/OR ITS AUTHORIZED AGENT PRIOR TO BEGINNING ANY EXCAVATION OR ROCK REMOVAL OPERATIONS ON THE SITE. THE PLAN SHALL ADDRESS PROCEDURES FOR EQUIPMENT REFUELING AND MAINTENANCE WHICH MINIMIZES ANY POTENTIAL ENVIRONMENTAL IMPACTS. [NOTE HOWEVER THAT THE CONTRACTOR DOES NOT INTEND TO FUEL THE EQUIPMENT ON-SITE AT THIS TIME.]

3. SPILL RESPONSE EQUIPMENT SHALL BE STORED ON SITE TO ENABLE THE SITE CONTRACTOR(S) TO QUICKLY CONTAIN AND REMEDIATE SPILLS, IF AND AS THEY OCCUR. WORKERS ON THE SITE SHALL BE TRAINED IN THE PROPER USE AND IMPLEMENTATION OF THIS EQUIPMENT AND FIRST RESPONSE CONTAINMENT PROCEDURES, IF ITEM 2 IS TO BE UTILIZED.

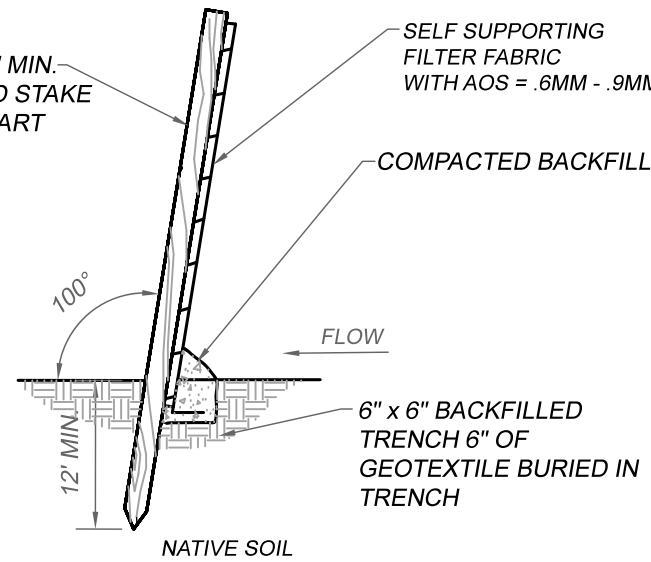
4. THE PROPERTY OWNER SHALL NAME A RESPONSIBLE PARTY OR PARTIES WHO CAN BE NOTIFIED ON A 24 HOUR, 7 DAY A WEEK BASIS IN CASE OF AN EMERGENCY AT THE SITE, AND SHALL SUBMIT THIS INFORMATION, IN WRITING, TO THE APPROPRIATE TOWN OF STERLING AND LOCAL FIRE DEPARTMENT STAFF, PRIOR TO BEGINNING ANY WORK ON THE SITE.



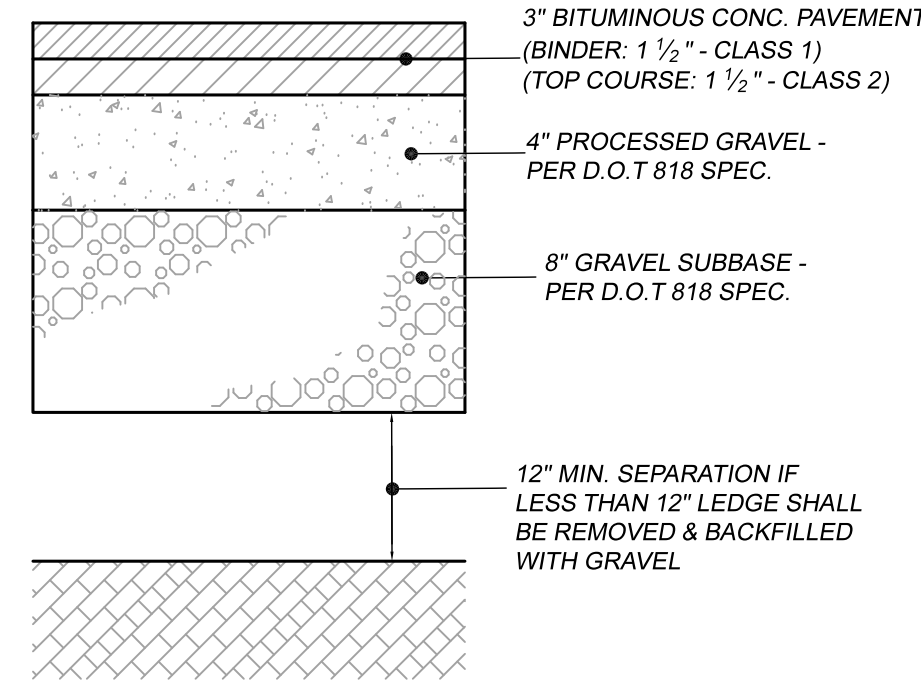
FILTERED ROCK AND STONE BARRIER
(NOT TO SCALE)



STAKED HAY BALES
(NOT TO SCALE)

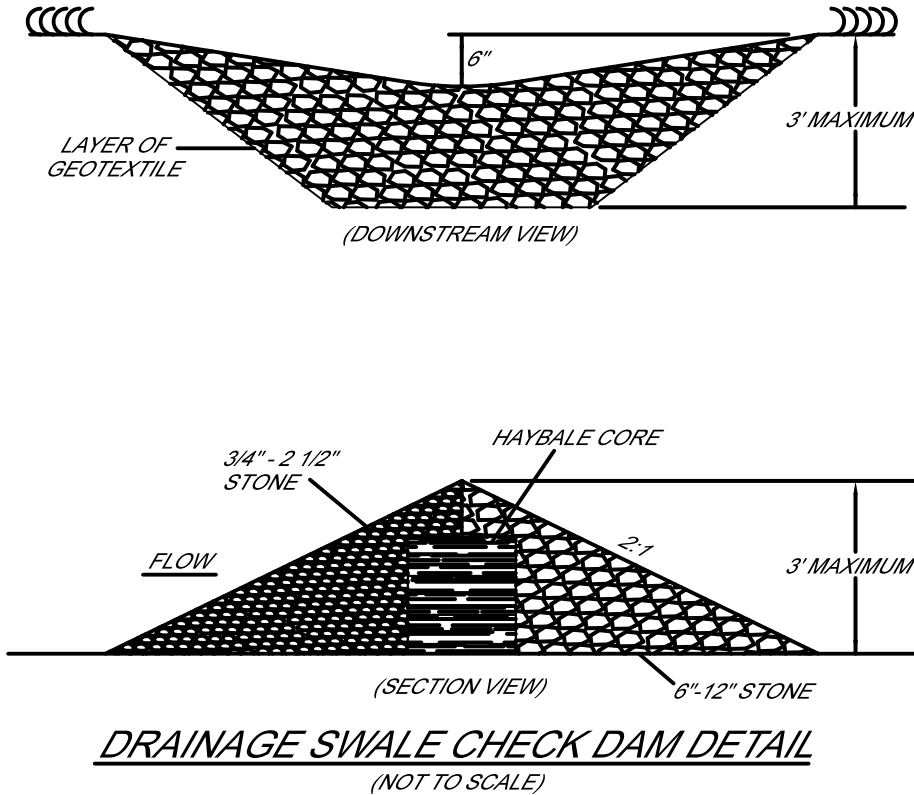


SILT FENCE INSTALLATION
NOT TO SCALE

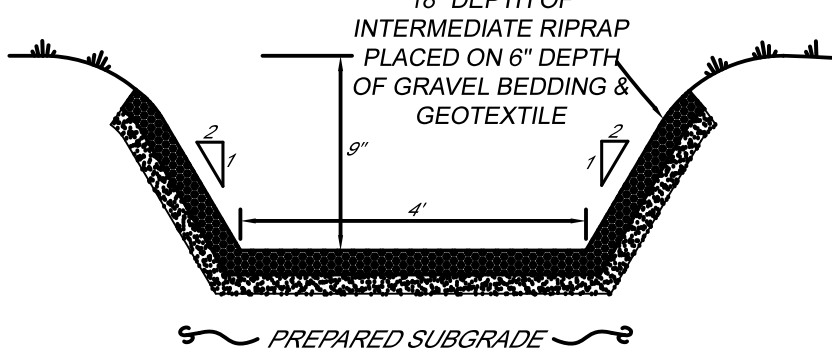


NOTES:
1. PROVIDE CONTINUOUS TRACK COAT ALONG EDGE WHEN MATCHING EXISTING PAVEMENT.
2. CONTRACTOR TO PROVIDE COMPACTION ON ALL TRENCH BACKFILLS, EXCAVATION AND PAVEMENT BASES TO NOT LESS THAN 95% OF THE DRY DENSITY FOR THAT MATERIAL WHEN TESTED IN ACCORDANCE WITH AASHTO T180, METHOD D

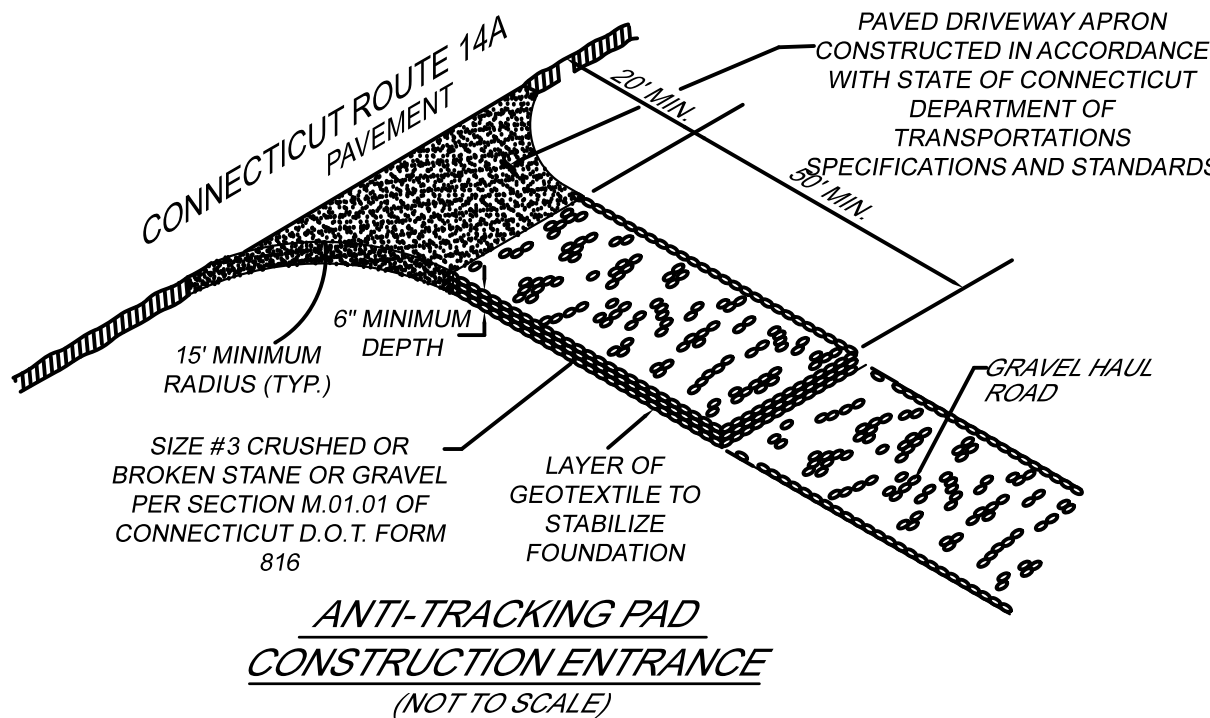
TYPICAL PAVEMENT SECTION
NOT TO SCALE



DRAINAGE SWALE CHECK DAM DETAIL
(NOT TO SCALE)



RIPRAP DRAINAGE SWALE
CROSS SECTION DETAIL
(NOT TO SCALE)



DETAILS AND NOTES
PREPARED FOR
CHARLES W. CORSON III
PLAINFIELD PIKE - STERLING, CT
MAP 3830 BLOCK 27 LOT 15



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JDSITEDESIGNS.COM

JOB NO: 25041	AS NOTED
DATE: JUNE 20, 2025	SHEET: 5 OF 5
REVISIONS: 2025-01-05 P&Z COMMENTS	