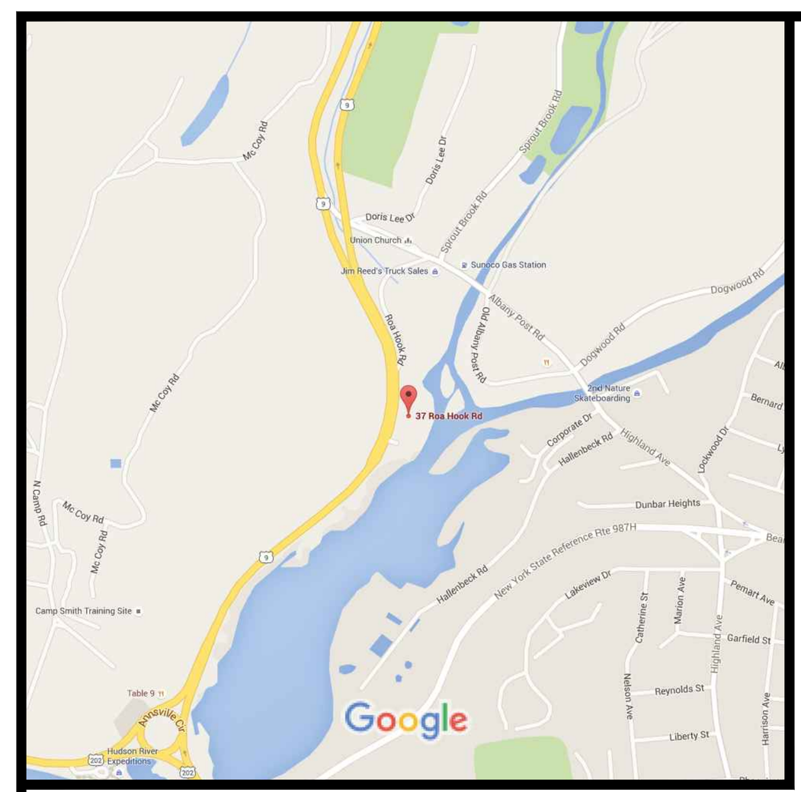


LOCATION MAP
NOT TO SCALE

SITE DATA:

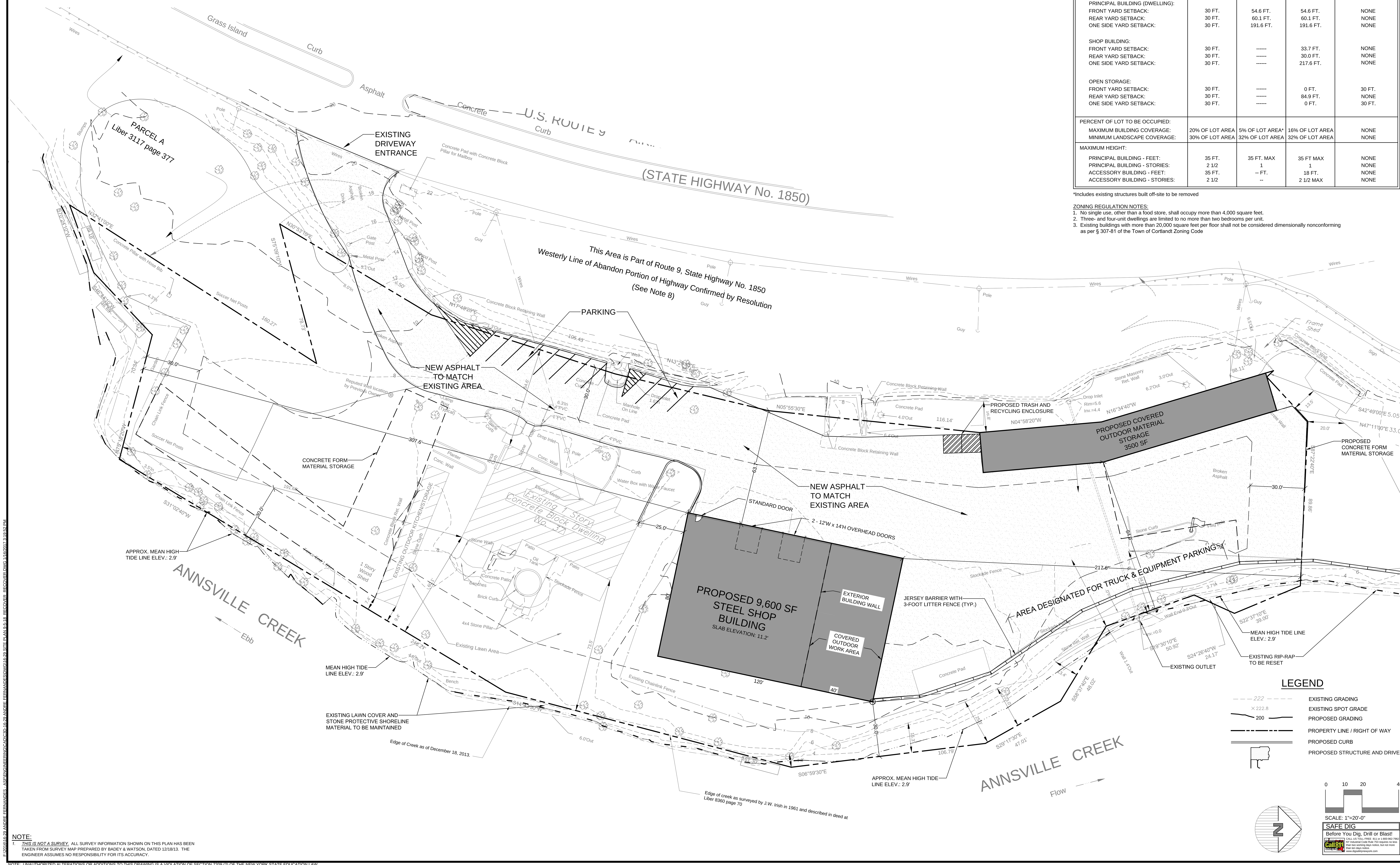
OWNER / DEVELOPER:	ASF CONSTRUCTION & EXCAVATION CORP
PROJECT LOCATION:	37 ROA HOOK ROAD CORTLANDT MANOR, NY, 10567
EXISTING TOWN ZONING:	HC, NONRESIDENTIAL
PROPOSED USE:	HC, NONRESIDENTIAL
TOWN TAX MAP DATA:	22.16-4-4
SITE AREA :	2.375 ACRES (103,443 SF)
SEWAGE FACILITIES:	--
WATER FACILITIES:	PRIVATE WELL

ZONING SCHEDULE:

ZONING DISTRICT:	HC, NONRESIDENTIAL			
DIMENSIONAL REGULATIONS:	REQUIRED	EXISTING	PROVIDED	VARIANCE REQUIRED
MINIMUM SIZE OF LOT:				
MINIMUM LOT AREA:	20,000 SF.	103,443 SF.	103,443 SF.	NONE
MINIMUM LOT WIDTH:	100 FT.	535 FT.	535 FT.	NONE
MINIMUM YARD DIMENSIONS:				
PRINCIPAL BUILDING (DWELLING):				
FRONT YARD SETBACK:	30 FT.	54.6 FT.	54.6 FT.	NONE
REAR YARD SETBACK:	30 FT.	60.1 FT.	60.1 FT.	NONE
ONE SIDE YARD SETBACK:	30 FT.	191.6 FT.	191.6 FT.	NONE
SHOP BUILDING:				
FRONT YARD SETBACK:	30 FT.	------	33.7 FT.	NONE
REAR YARD SETBACK:	30 FT.	------	30.0 FT.	NONE
ONE SIDE YARD SETBACK:	30 FT.	------	217.6 FT.	NONE
OPEN STORAGE:				
FRONT YARD SETBACK:	30 FT.	------	0 FT.	30 FT.
REAR YARD SETBACK:	30 FT.	------	84.9 FT.	NONE
ONE SIDE YARD SETBACK:	30 FT.	------	0 FT.	30 FT.
PERCENT OF LOT TO BE OCCUPIED:				
MAXIMUM BUILDING COVERAGE:	20% OF LOT AREA	5% OF LOT AREA*	16% OF LOT AREA	NONE
MINIMUM LANDSCAPE COVERAGE:	30% OF LOT AREA	32% OF LOT AREA	32% OF LOT AREA	NONE
MAXIMUM HEIGHT:				
PRINCIPAL BUILDING - FEET:	35 FT.	35 FT. MAX	35 FT MAX	NONE
PRINCIPAL BUILDING - STORIES:	2 1/2	1	1	NONE
ACCESSORY BUILDING - FEET:	35 FT.	-- FT.	18 FT.	NONE
ACCESSORY BUILDING - STORIES:	2 1/2	--	2 1/2 MAX	NONE

*Includes existing structures built off-site to be removed

ZONING REGULATION NOTES:
1. No single use, other than a food store, shall occupy more than 4,000 square feet.
2. Three- and four-unit dwellings are limited to no more than two bedrooms per unit.
3. Existing buildings with more than 20,000 square feet per floor shall not be considered dimensionally nonconforming as per § 307-81 of the Town of Cortlandt Zoning Code



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PROJECT # 16-29

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www.sitedesignconsultants.com

Engineer:
Joseph C. Riina, P.E.
NYS Lic. No. 64431

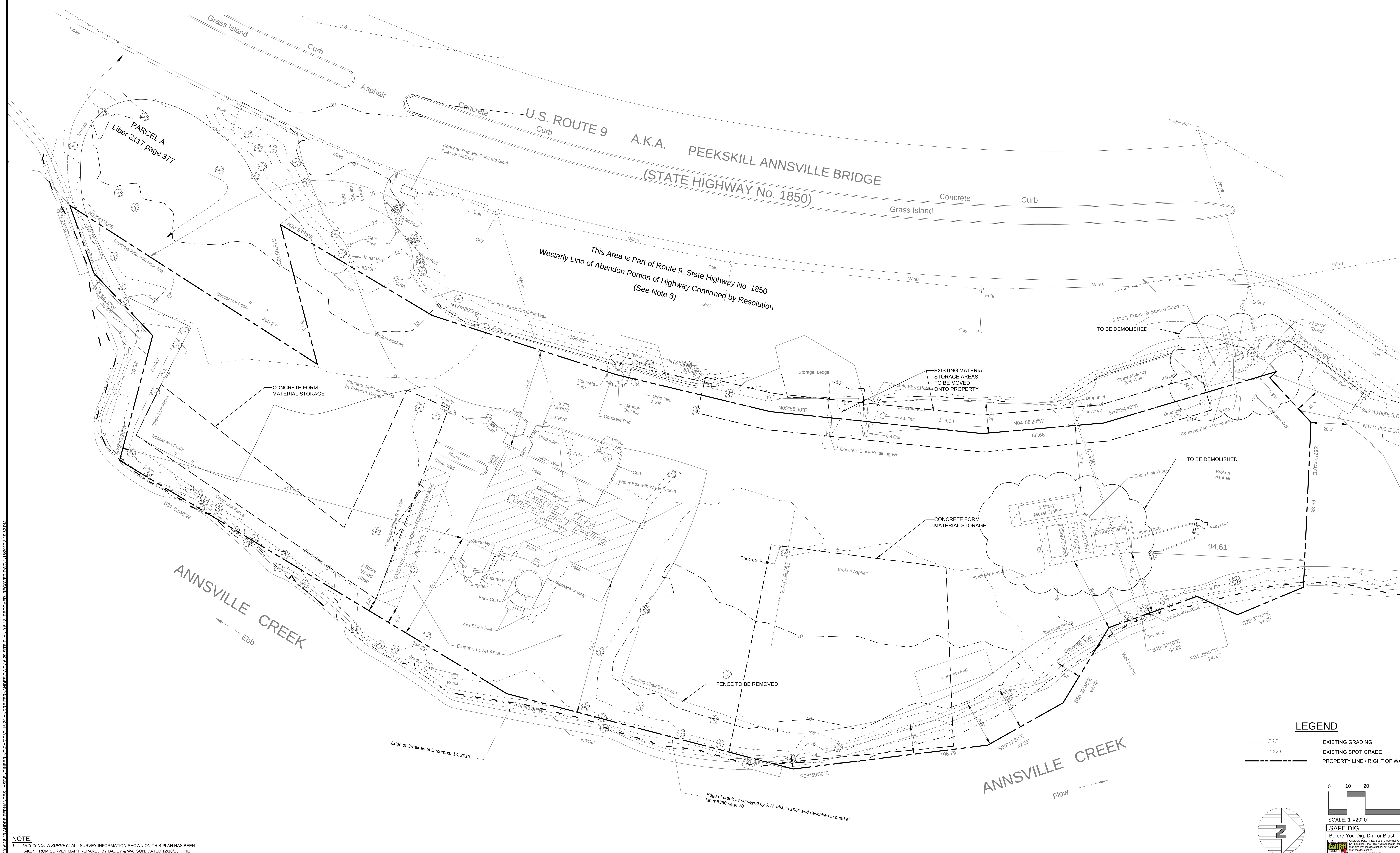
Revisions:

No.	Date	Comments:
1.	8/03/17	Tide Information
2.	6/1/18	Improvements and Details added
3.	9/12/18	Town and NYSDEC Comments

SCALE: 1" = 20'
DRAWN BY: MD
DATE: 10-14-16

SITE PLAN

SITE PLAN
PREPARED FOR
ANDRE FERNANDES
37 Roa Hook Road
Town of Cortlandt
Westchester County, NY



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EXISTING CONDITIONS AND DEMOLITION PLAN

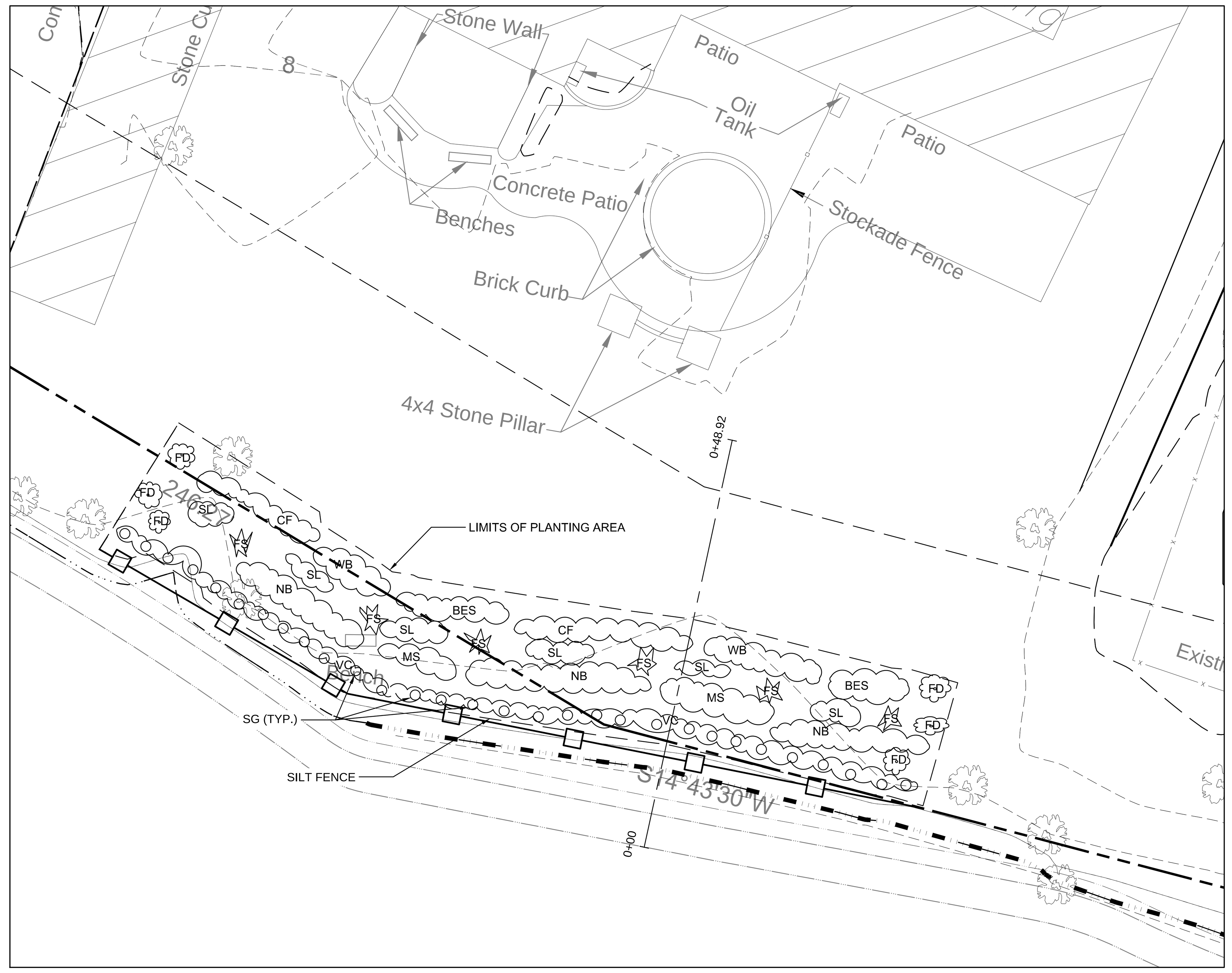
SITE PLAN
PREPARED FOR
ANDRE FERNANDES
37 Roa Hook Road
Town of Cortlandt
Westchester County, NY

TREE, SHRUB, & HERBACIOUS PLANT SPECIES

PLANT NOTATION	COMMON NAME	SCIENTIFIC NAME	SITE CONDITIONS	QUANTITY	PLANTING SCHEME	PLANTING SEASON
BES	Black-Eyed Susan	*Rudbeckia hirta*	Sandy/Silty Loam	25	1.0 Foot on Center	May - August
CF	Cone Flower	*Echinacea purpurea*	Sandy/Silty Loam	40	1.0 Foot on Center	May - August
FD	Flowering Dogwood	*Cornus florida*	Sandy/Silty Loam	6	7 Feet on Center	April - September
FS	Fragrant Sumac	*Rhus aromatica*	Sandy/Silty Loam	6	4 Feet on Center	April - September
MS	Meadowsweet	*Filipendula ulmaria*	Sandy/Silty Loam	25	2.5 Feet on Center	May - August
NB	Nannyberry	*Viburnum lentago*	Sandy/Silty Loam	40	2.5 Feet on Center	May - August
SG	Switchgrass	*Panicum virgatum*	Sandy/Silty Loam	30	3 Feet on Center	May - August
SL	Summer Lilac	*Buddleja davidii*	Sandy/Silty Loam	18	3 Feet on Center	May - August
VC	Virginia Creeper	*Parthenocissus quinquefolia*	Sandy/Silty Loam	36	2.5 Feet on Center	April - September
WB	Wild Bergamot	*Monarda fistulosa*	Sandy/Silty Loam	65	1.5 Feet on Center	May - August

DISTURBANCE:

	EXISTING		PROPOSED		NET INCREASE	
	DISTURBANCE	IMPERVIOUS	DISTURBANCE	IMPERVIOUS	DISTURBANCE	IMPERVIOUS
WITHIN PROPERTY LINES	0 SF	68,682 SF	58,985 SF	65,015 SF	68,682 SF	-3,667 SF
OUTSIDE PROPERTY LINES	0 SF	26,319 SF	3,575 SF	23,830 SF	3,575 SF	-2,489 SF



PLANTING PLAN

SCALE: 1"=10'-0"

SOILS CLASSIFICATIONS

TYPE	NAME	DESCRIPTION	HYDROLOGICAL GROUP
Uc	UDORTHENTS	WET SUBSTRATUM	D

VEGETATION PLANTING AREA:

The proposed Vegetation Planting Area will extend east/west along the south edge of the exiting lawn area which adjoins the on-site residential structure, for an approximate distance of 95 feet. The width of the area (from the riprap shoreline, into the lawn area) will vary from 12 to 15 feet depending on the configuration of each planted sub-area (denoted by species), as proposed on the Planting Scheme Diagram.

Initial site preparation activities within the planting area will involve the installation of silt fencing along the outer boundaries of the area, followed with the removal of turf grass and excavation of approximately 4 inches of existing topsoil/subsoil. Next, 6 inches of sandy/silty loam soil will be added across the area, the bottom 3 inches of which will first be tilled with the existing subsoil before the placement of the remaining 3 inches of the sandy/silty loam; the upper sandy/silty loam soil will be mixed (tilled) with the topsoil removed during initial area preparation. The upper 3 inches of the sandy/silty loam/topsoil will receive a fertilizer application consisting of commercial grade starter fertilizer (a granular, non-burning product), containing 10% nitrogen, 6% available phosphorus, and 4% water soluble potash (10-6-4) if panting occurs in Spring. For Fall, a commercial grade starter fertilizer (also a granular, non-burning product) containing 5% nitrogen, 10% available phosphorus, and 5% water soluble potash (5-10-4) is proposed. An approximate 4 inch hardwood mulch layer will be added above the sandy/silty loam/topsoil mix after plantings are completed.

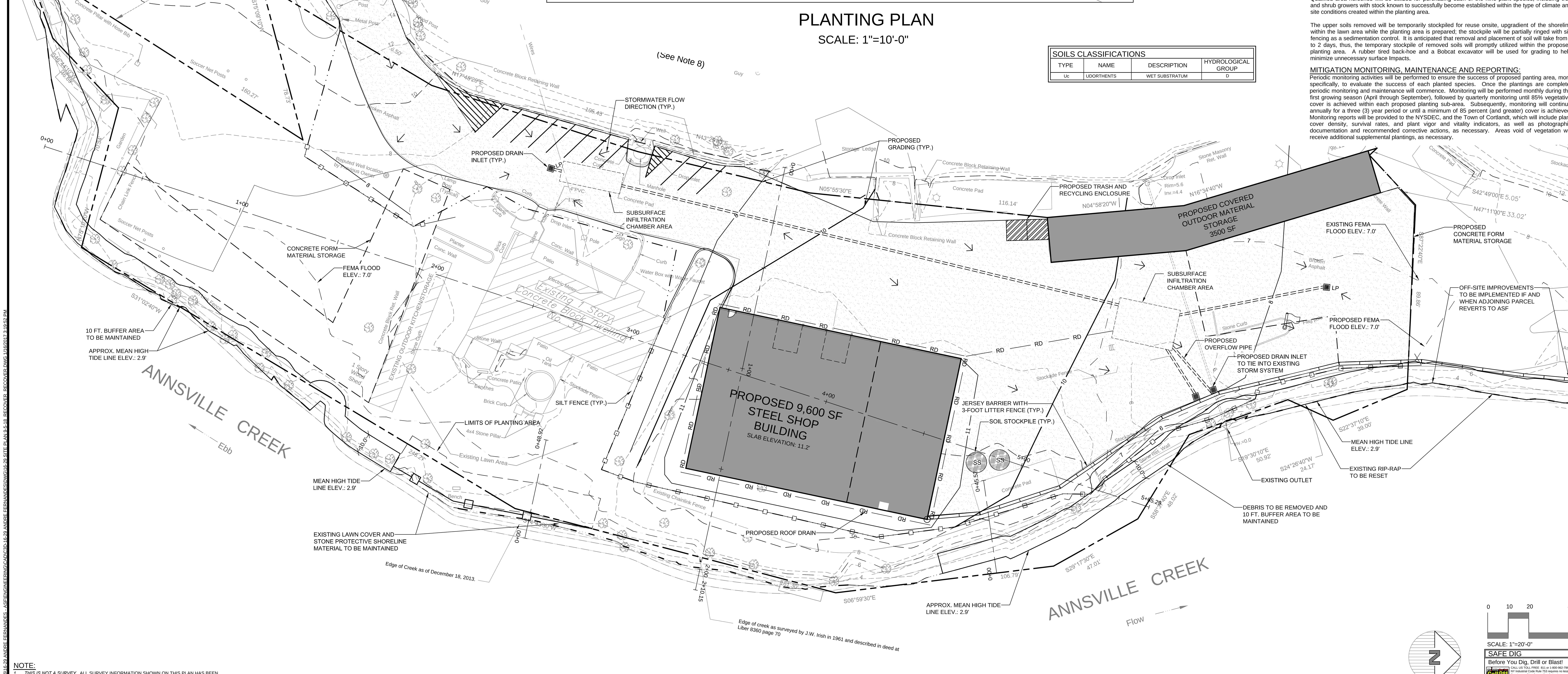
The table entitled "Tree, Shrub and Herbaceous Plant Species" presents the types of plants selected for the planting area, the planting scheme and number of plants for each of nine (9) proposed species, as well as the planting times for each species, as depicted on the Planting Scheme Diagram. Once the plantings are completed and the hardwood mulch is applied, deer fencing will be installed around the perimeter of the planting area.

Qualified area nurseries will be utilized for purchasing each of the nine plant species, including tree and shrub growers with stock known to successfully become established within the type of climate and site conditions created within the planting area.

The upper soils removed will be temporarily stockpiled for reuse onsite, upgradient of the shoreline within the lawn area while the planting area is prepared; the stockpile will be partially ringed with silt fencing as a sedimentation control. It is anticipated that removal and placement of soil will take from 1 to 2 days, thus, the temporary stockpile of removed soils will promptly utilized within the proposed planting area. A rubber tired back-hoe and a Bobcat excavator will be used for grading to help minimize unnecessary surface Impacts.

MITIGATION MONITORING, MAINTENANCE AND REPORTING:

Periodic monitoring activities will be performed to ensure the success of proposed panting area, more specifically, to evaluate the success of each planted species. Once the plantings are complete, periodic monitoring and maintenance will commence. Monitoring will be performed monthly during the first growing season (April through September), followed by quarterly monitoring until 85% vegetative cover is achieved within each proposed planting sub-area. Subsequently, monitoring will continue annually for a three (3) year period or until a minimum of 85 percent (and greater) cover is achieved. Monitoring reports will be provided to the NYSDEC, and the Town of Cortlandt, which will include plant cover density, survival rates, and plant vigor and vitality indicators, as well as photographic documentation and recommended corrective actions, as necessary. Areas void of vegetation will receive additional supplemental plantings, as necessary.



0 10 20 40

SCALE: 1"=20'-0"

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IMPROVEMENT PLAN

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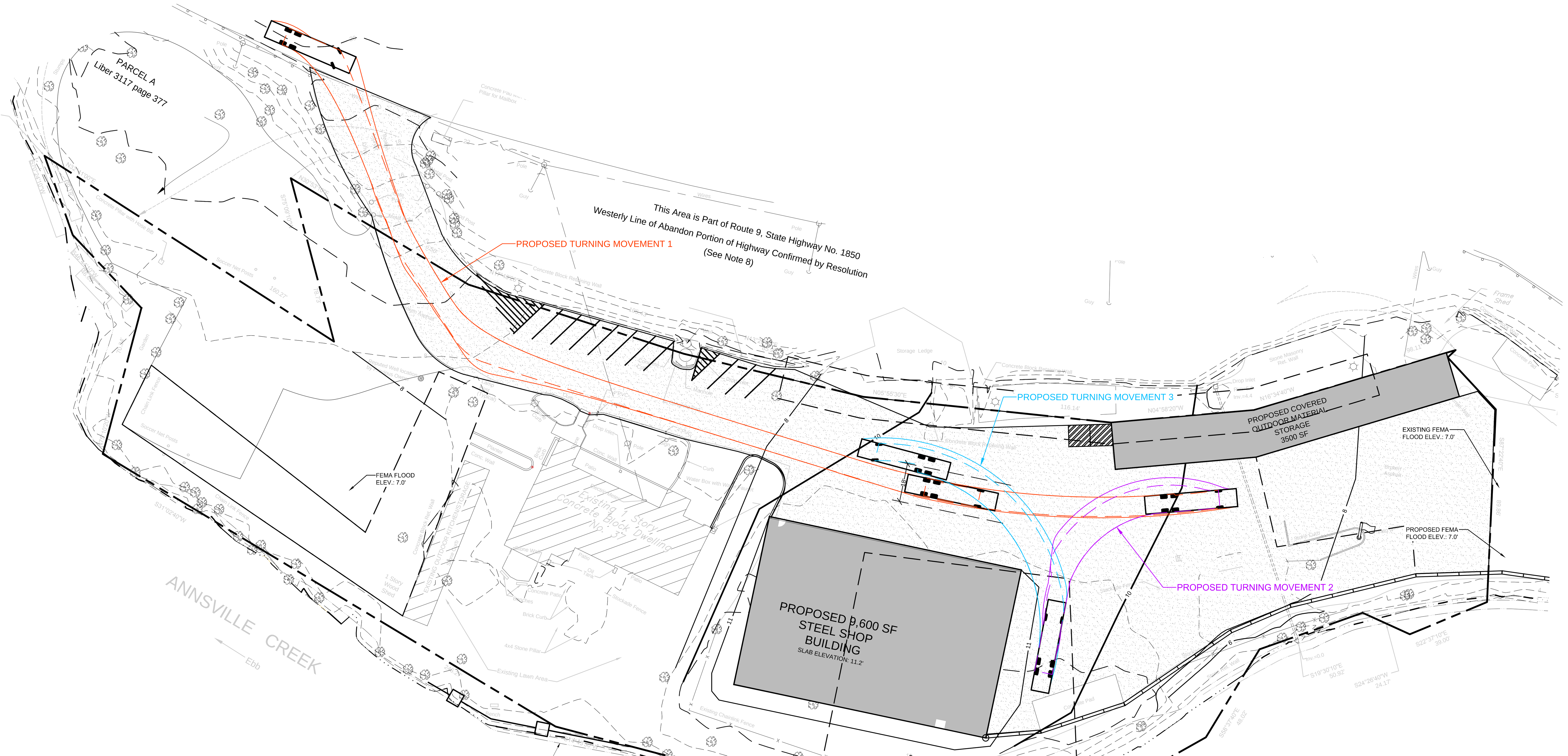
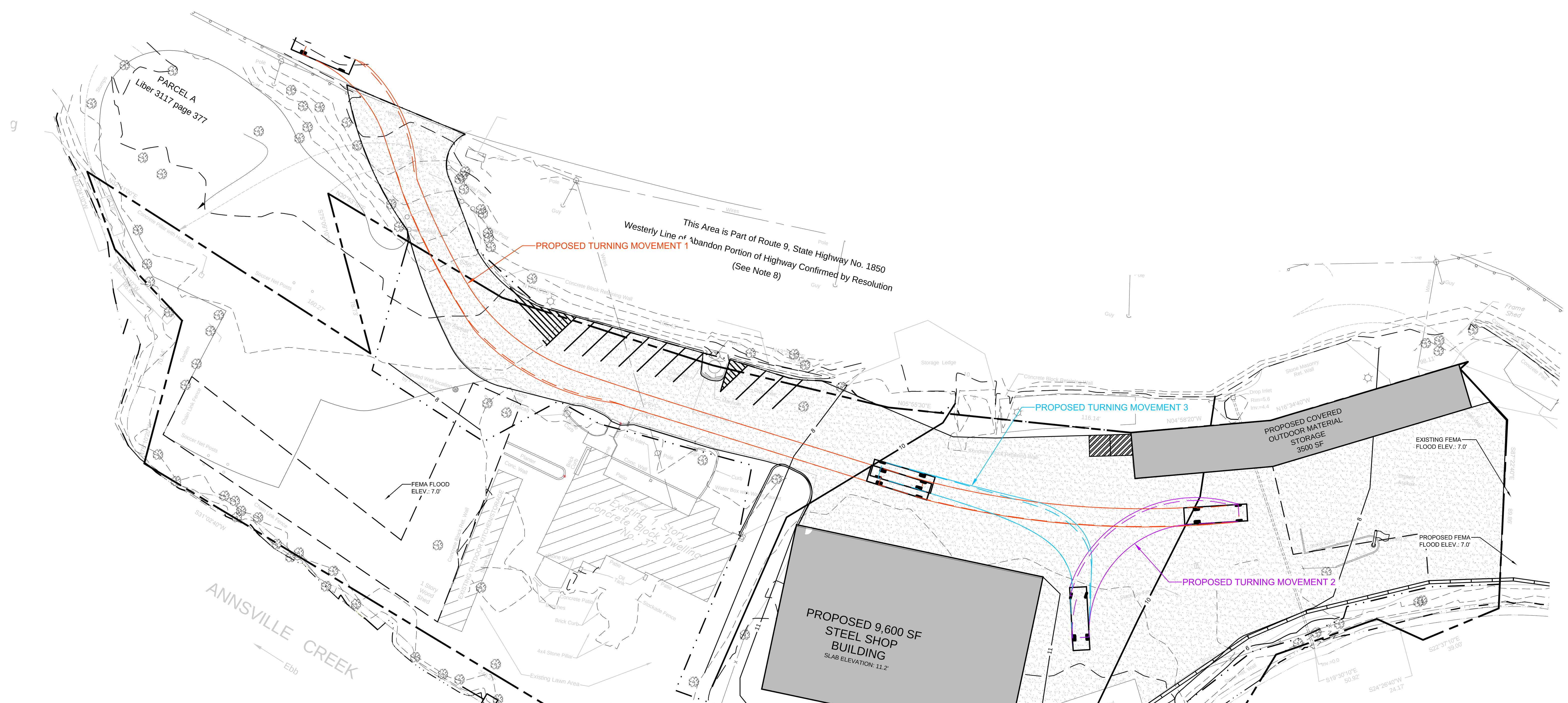
37 Roa Hook Road
Town of Cortlandt · Westchester County, NY



HQ - L- 35:

LENGTH: 42'2"
TURNING RADIUS: 22.9°
STABILIZER JACKS: 16-18 FT. FULL DEPLOYMENT, 12' SHORT-JACK DEPLOYMENT



E- 252:

LENGTH: 31'11"
TURNING RADIUS: 23.8°

0 15 30 60
SCALE: 1"=30'-0"

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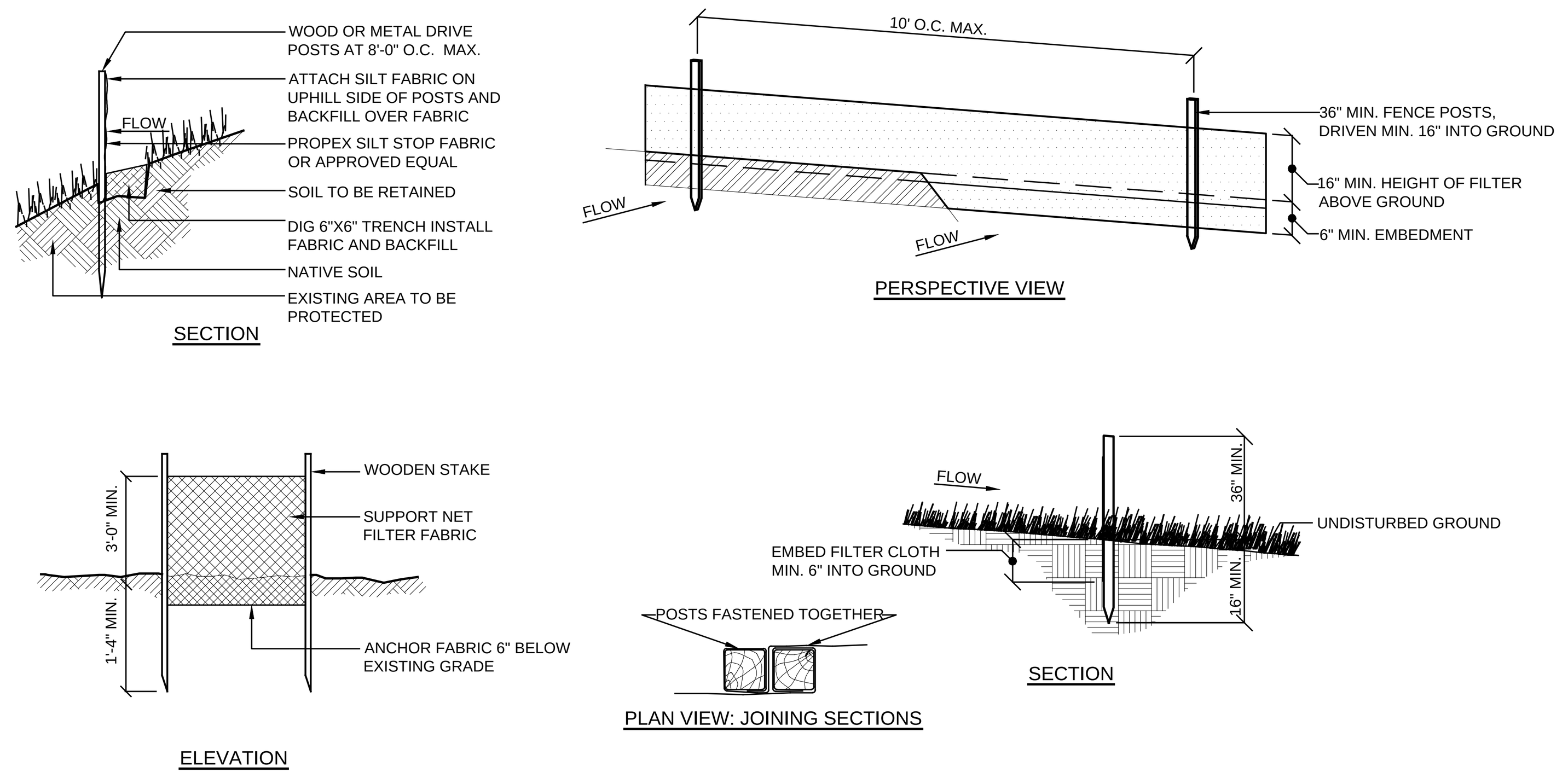
FIRE ACCESS PLAN

SITE PLAN
PREPARED FOR
ANDRE FERNANDES
37 Roa Hook Road
Town of Cortlandt Westchester County, NY

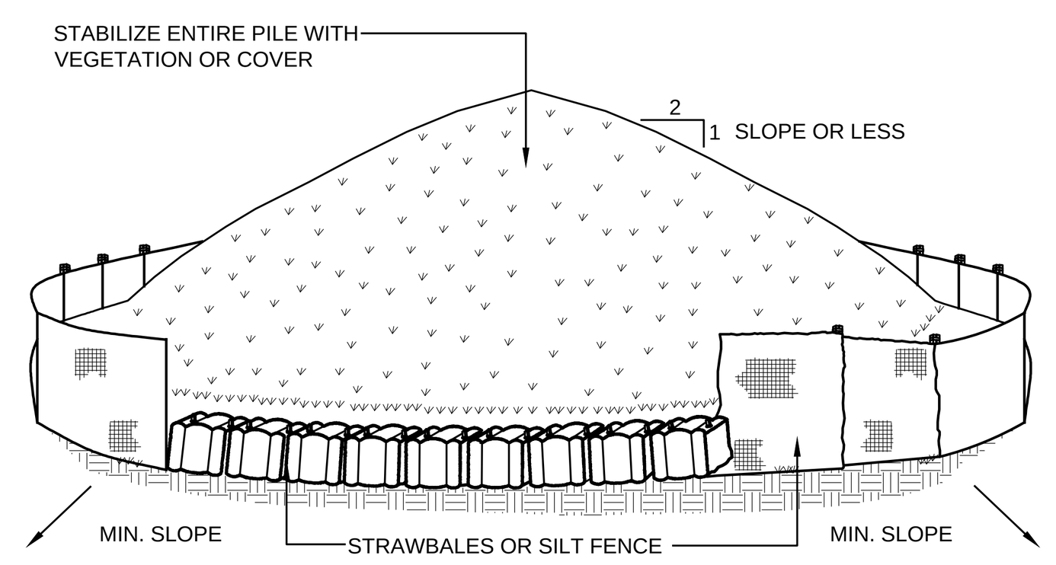
Sheet 4 of 6



NOTES:
1. Filter cloth to be fastened securely to upgrade side of post: steel posts (either T or U Type) or 2" hardwood posts at top and mid section.
2. When two sections of filter cloth adjoin each other they shall be overlapped by 6 inches and folded. Filter cloth shall be Mirafi 100x, Stabilinka T140n or approved equal
3. Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence or the capacity reaches 50%.
4. Excavate 6 inch trench along the silt fence line and bury the fabric.
5. Unroll a section at a time and position the post against the back (downstream) wall of the trench.
6. Drive the post into the ground until the netting is approximately 2 inches from the trench bottom.
7. Lay the toe-in flap of fabric onto the undisturbed bottom of the trench, backfill the trench and tamp the soil. Steeper slopes require an intercept trench.
8. Join sections as shown above.

SYMBOL
■—■—■

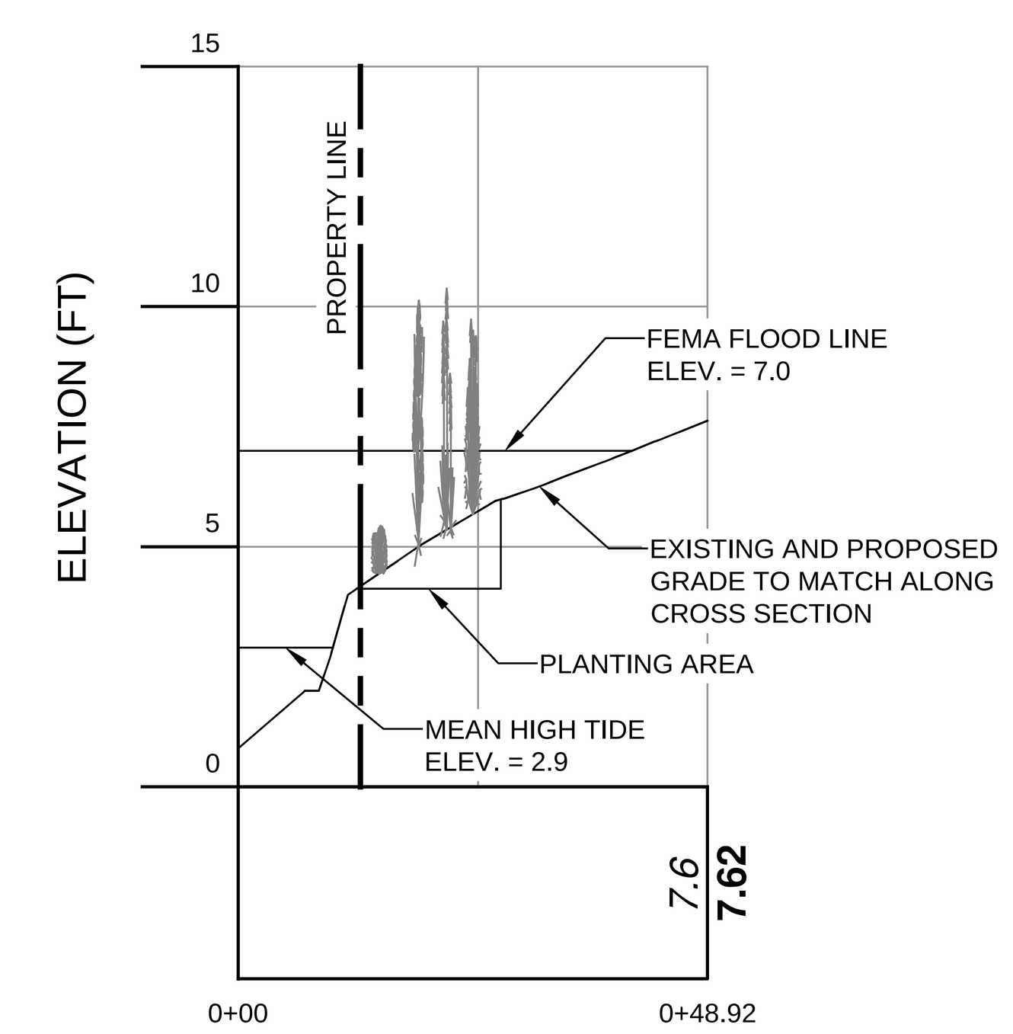
E-1 SILT FENCE DETAIL
NOT TO SCALE



SYMBOL
SS

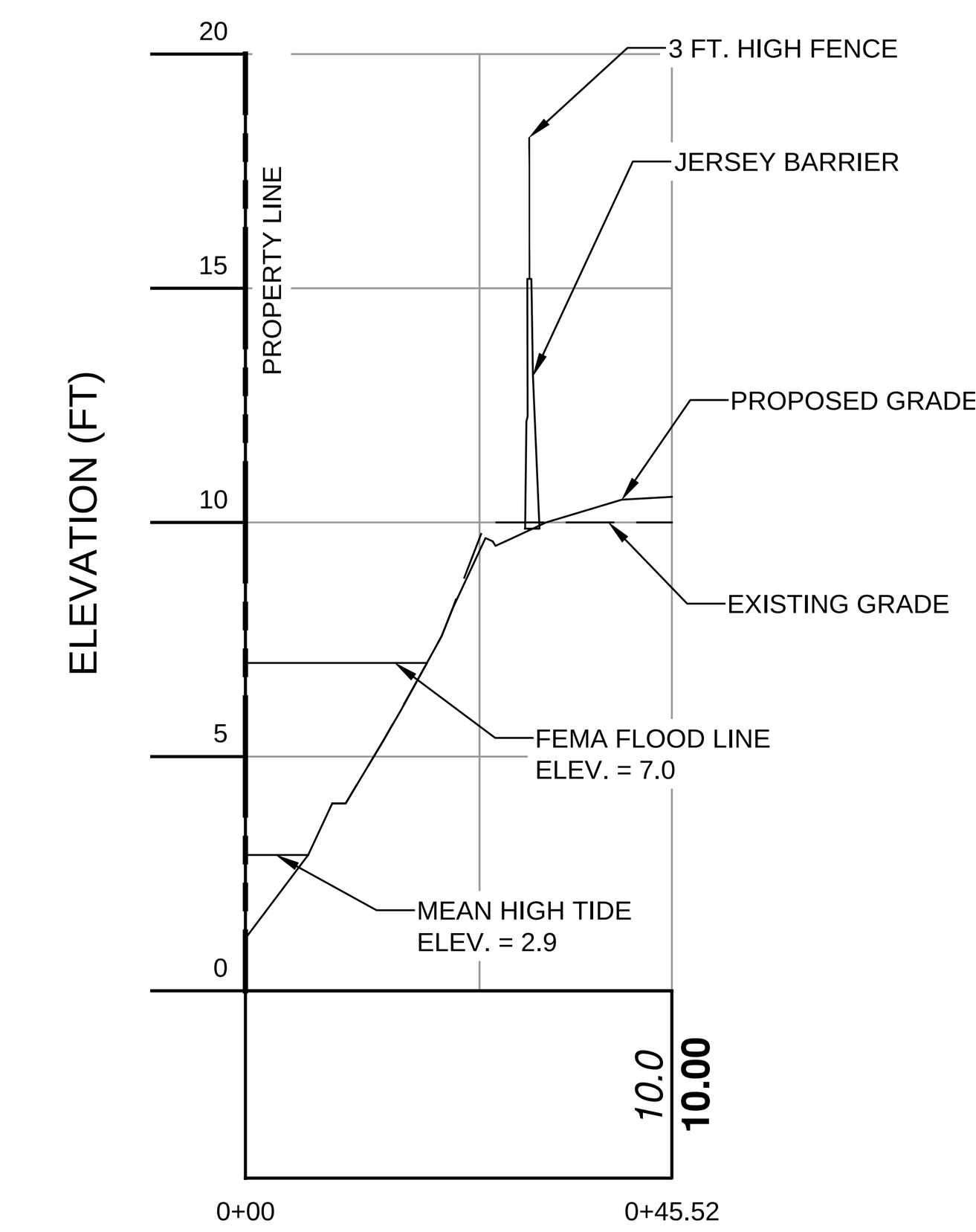
NOTES:
1. Area chosen for stockpiling operations shall be dry and stable.
2. Maximum slope of stockpile shall be 1:2.
3. Upon completion of soil stockpiling, each pile shall be surrounded with either silt fencing or strawbales, then stabilized with vegetation or covered.
4. See detail for installation of silt fence.

E-2 SOIL STOCKPILE DETAIL
NOT TO SCALE



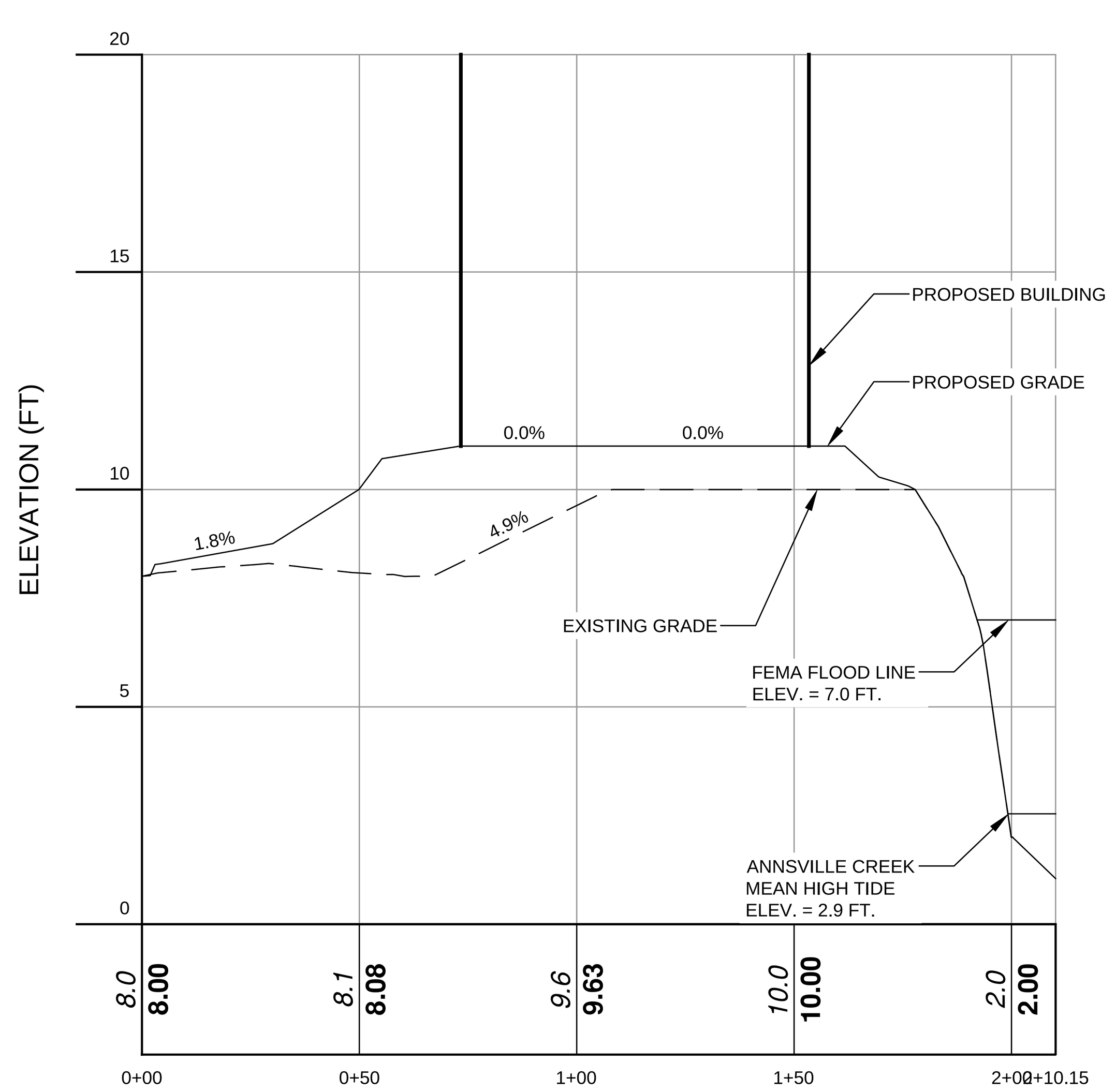
DISTANCE ALONG BASELINE (FT)

SHORE LINE CROSS SECTION - PLANTINGS
VERT. SCALE: 1"=2'
HORIZ. SCALE: 1"=10'



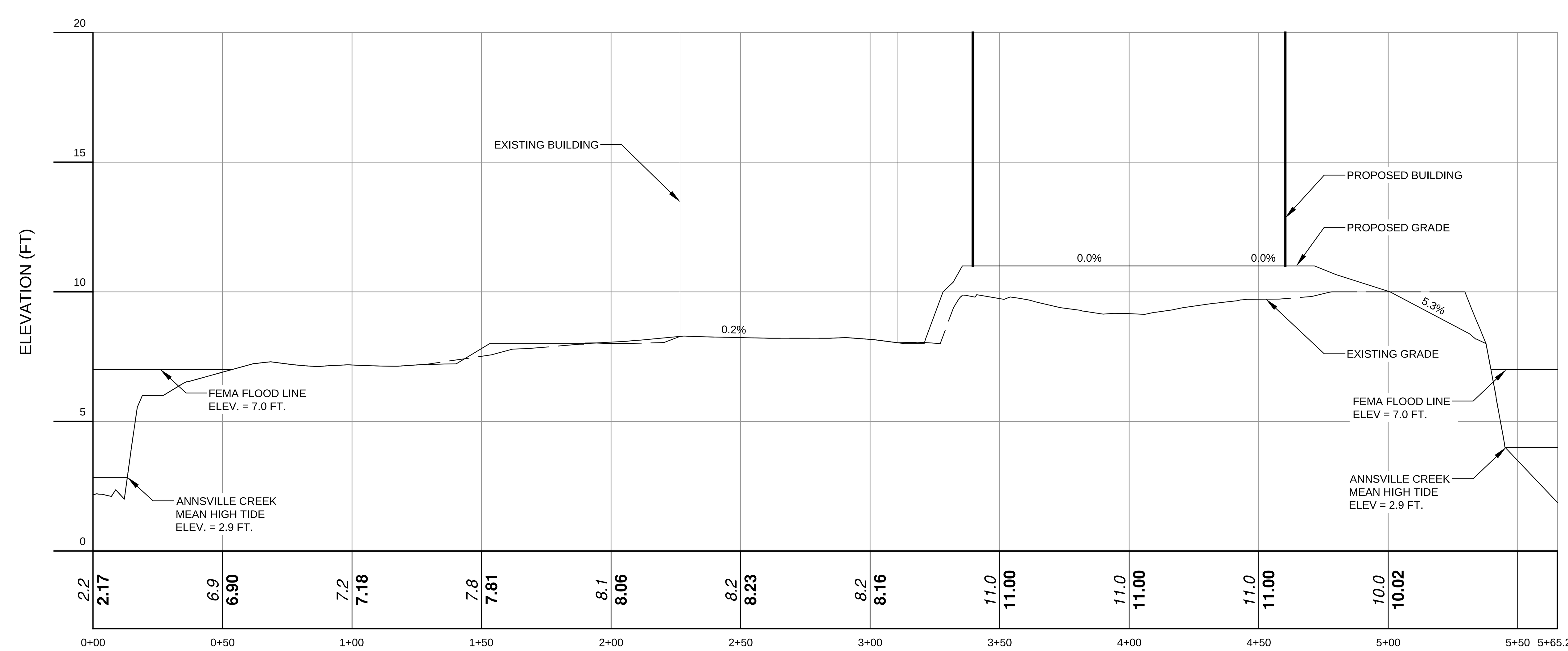
DISTANCE ALONG BASELINE (FT)

SHORE LINE CROSS SECTION - BARRIER
VERT. SCALE: 1"=2'
HORIZ. SCALE: 1"=10'



DISTANCE ALONG BASELINE (FT)

PROPERTY SECTION - WEST TO EAST
VERT. SCALE: 1"=3'
HORIZ. SCALE: 1"=30'



DISTANCE ALONG BASELINE (FT)

PROPERTY SECTION - SOUTH TO NORTH
VERT. SCALE: 1"=3'
HORIZ. SCALE: 1"=30'

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PROFILES & DETAILS

SITE PLAN
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Sheet 5 of 6

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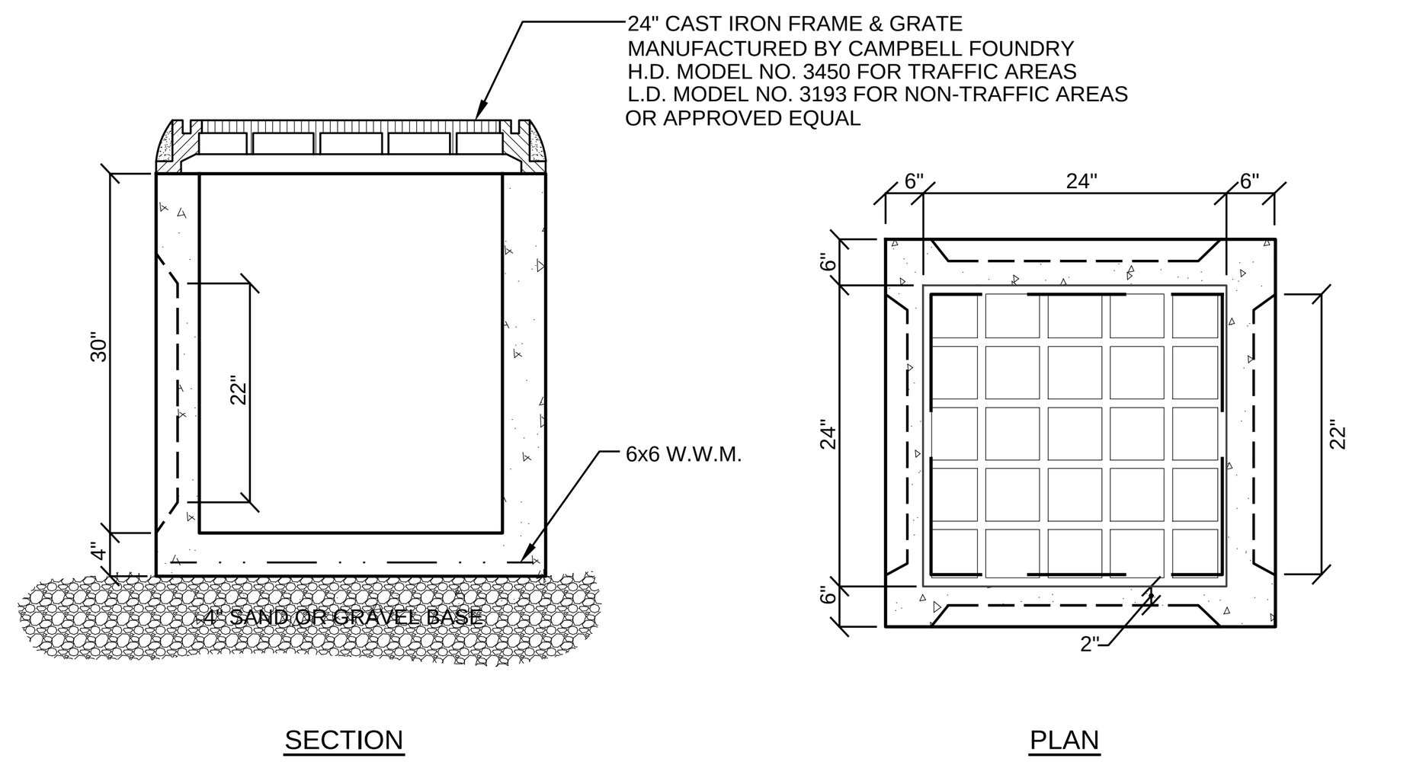
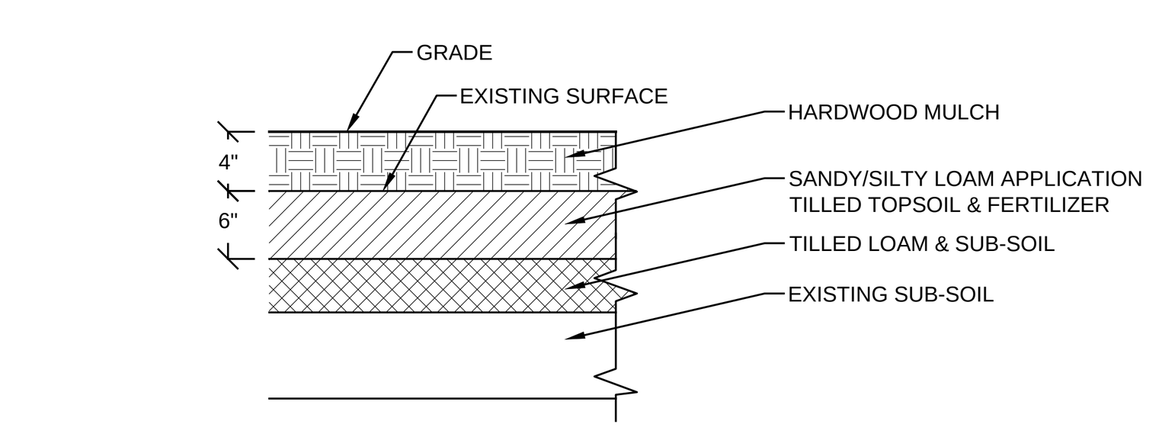
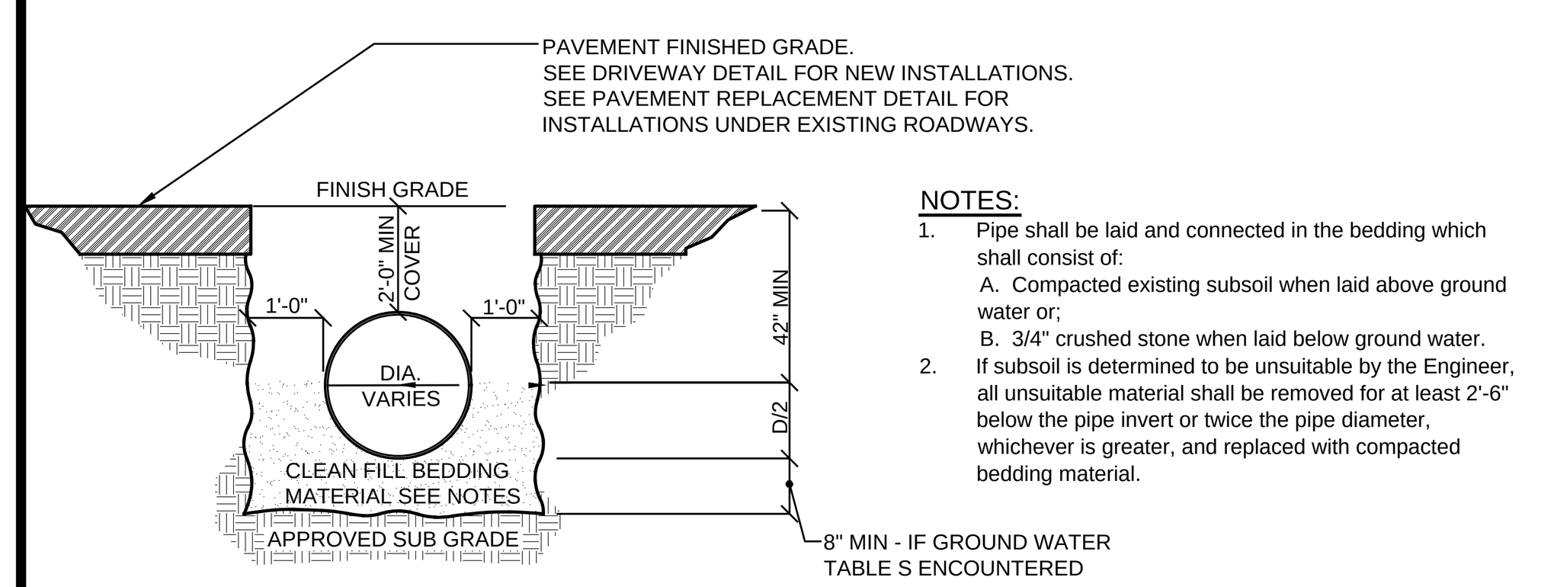


D-1
PRECAST DRAIN INLET DETAIL
NOT TO SCALE

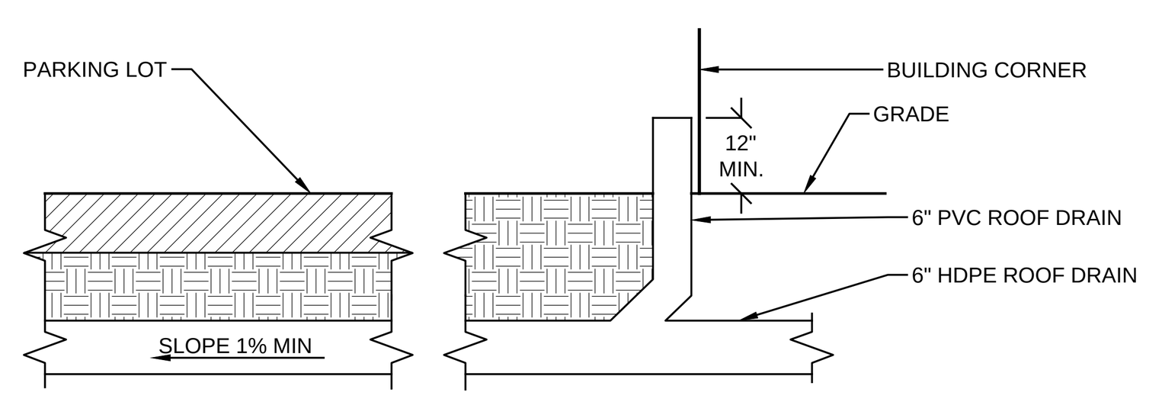


P-1
SOIL AMENDMENT & MULCH APPLICATION DETAIL
NOT TO SCALE

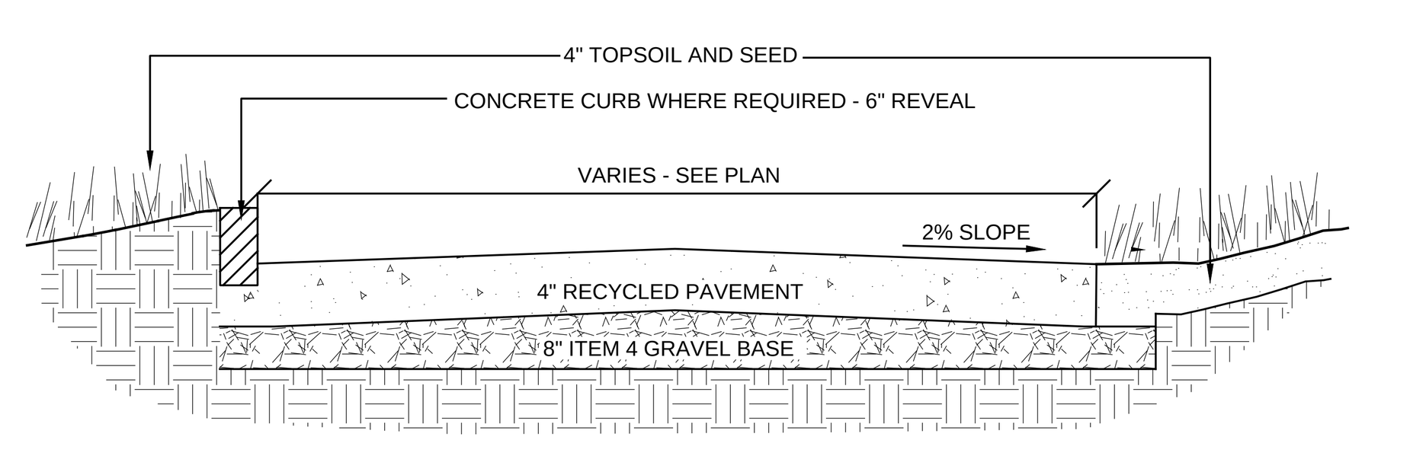


NOTES:
1. Pipe shall be laid and connected in the bedding which shall consist of:
   A. Compacted existing subsoil when laid above ground water or;
   B. 3/4" crushed stone when laid below ground water.
2. If subsoil is determined to be unsuitable by the Engineer, all unsuitable material shall be removed for at least 2'-6" below the pipe invert or twice the pipe diameter, whichever is greater, and replaced with compacted bedding material.

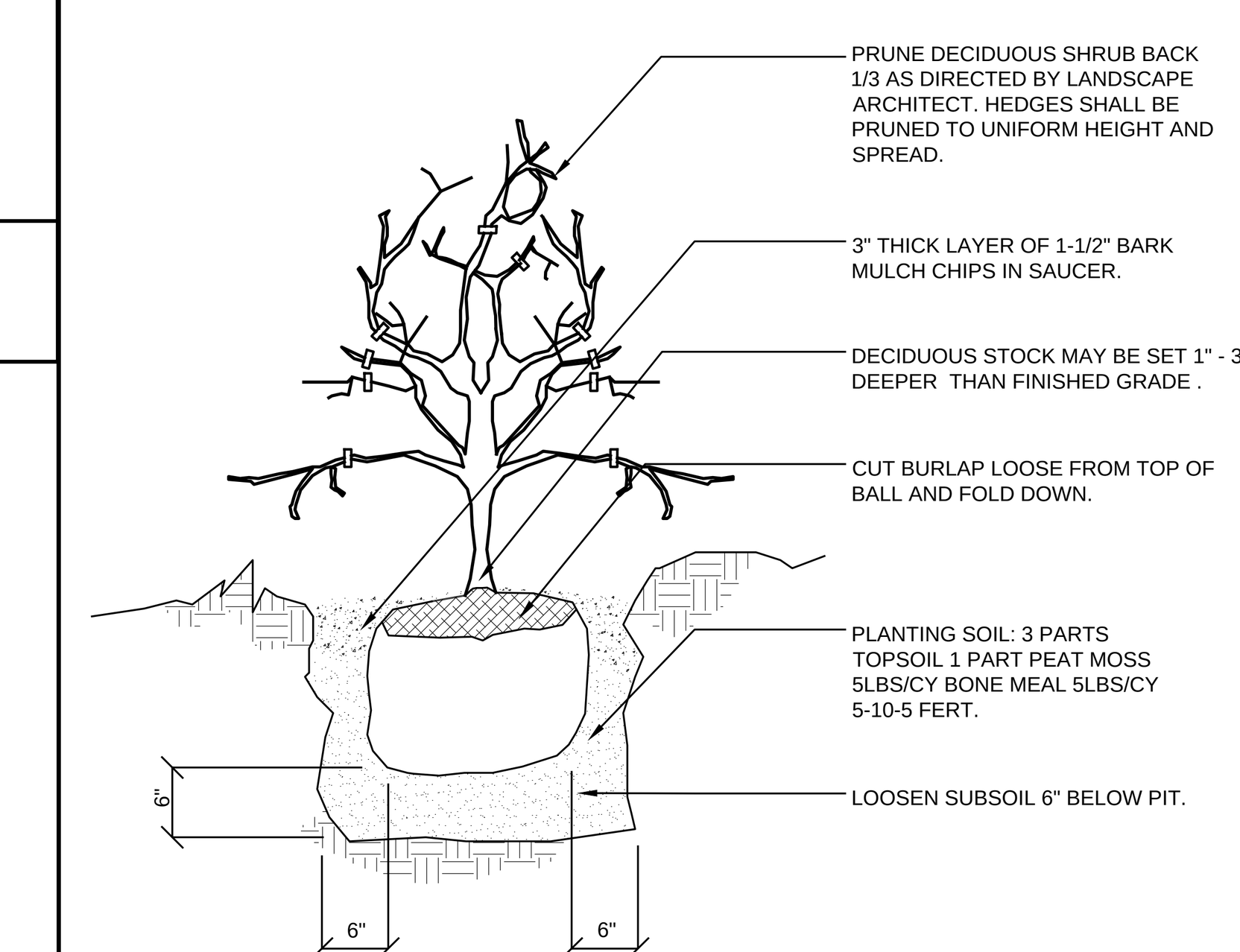
D-2
STORM PIPE BEDDING DETAIL
NOT TO SCALE



D-3
ROOF DRAIN CONNECTION DETAIL
NOT TO SCALE

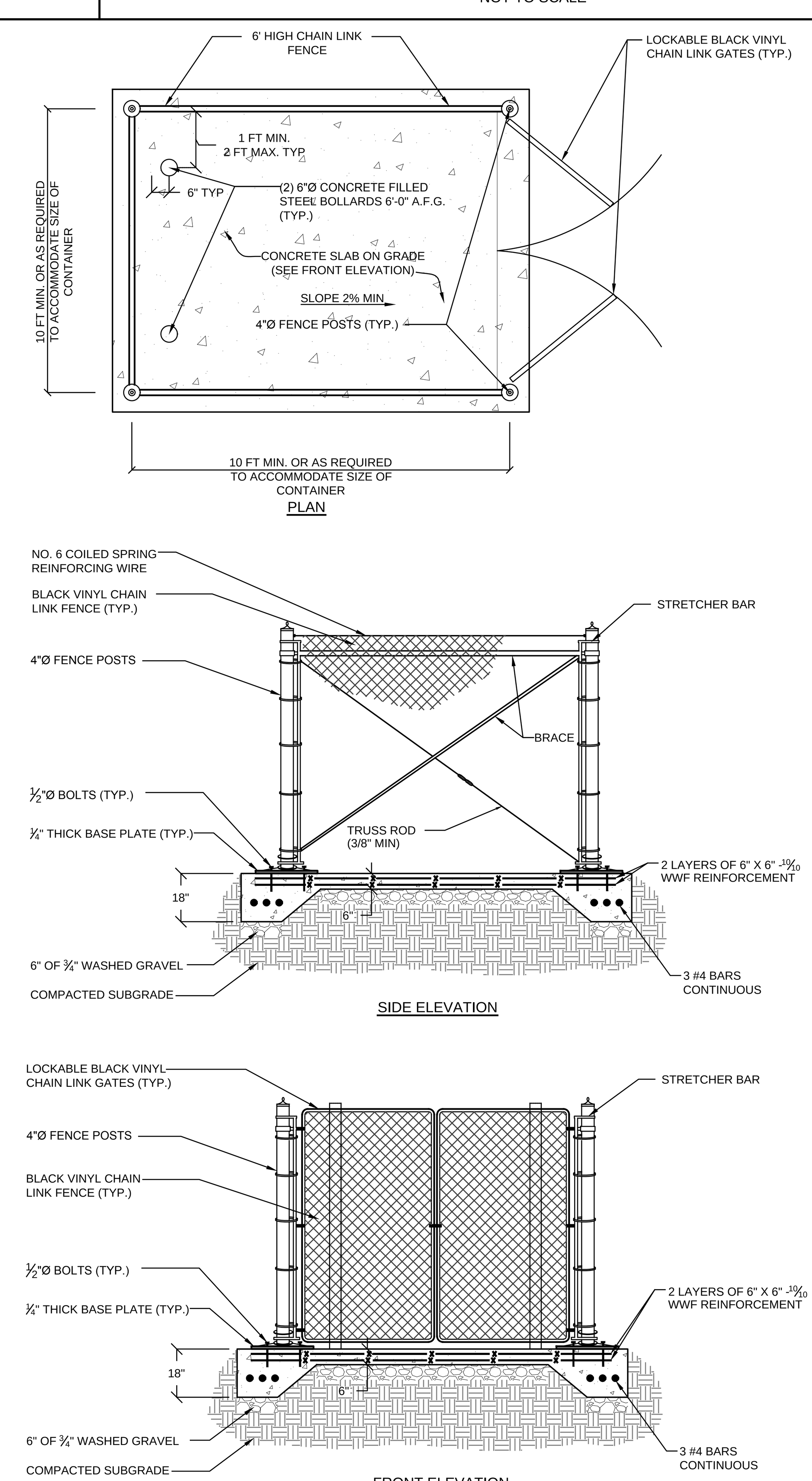


R-1
PAVEMENT DETAIL
NOT TO SCALE

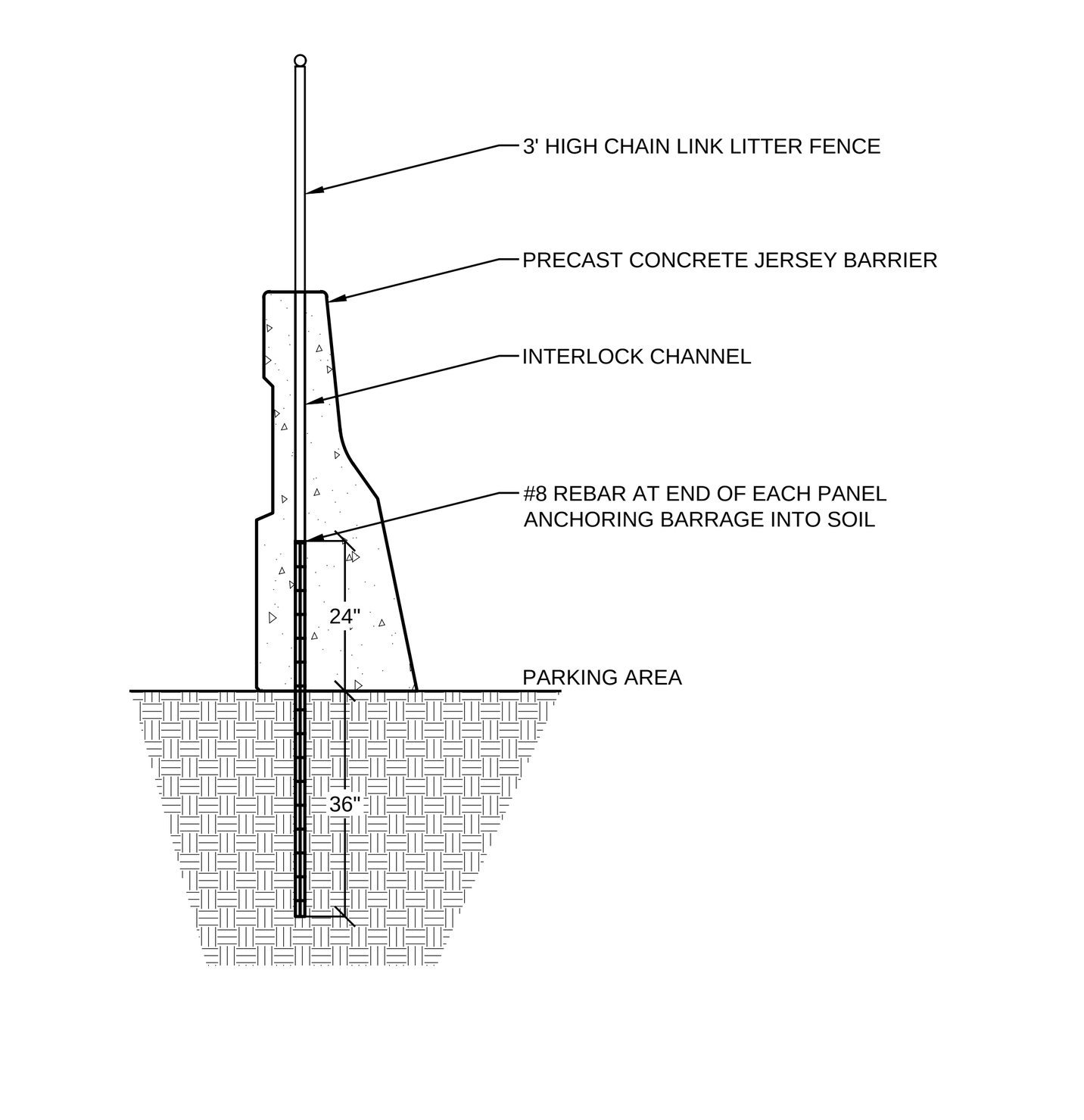


NOTES:
1. Do not add fertilizer to planting soil. For fall planting, see specifications.
2. Pit to be 6" deeper & 12" wider than Ball or widest spread of bare roots.
3. A single trench shall be dug for all Shrubs in a bed or hedge.

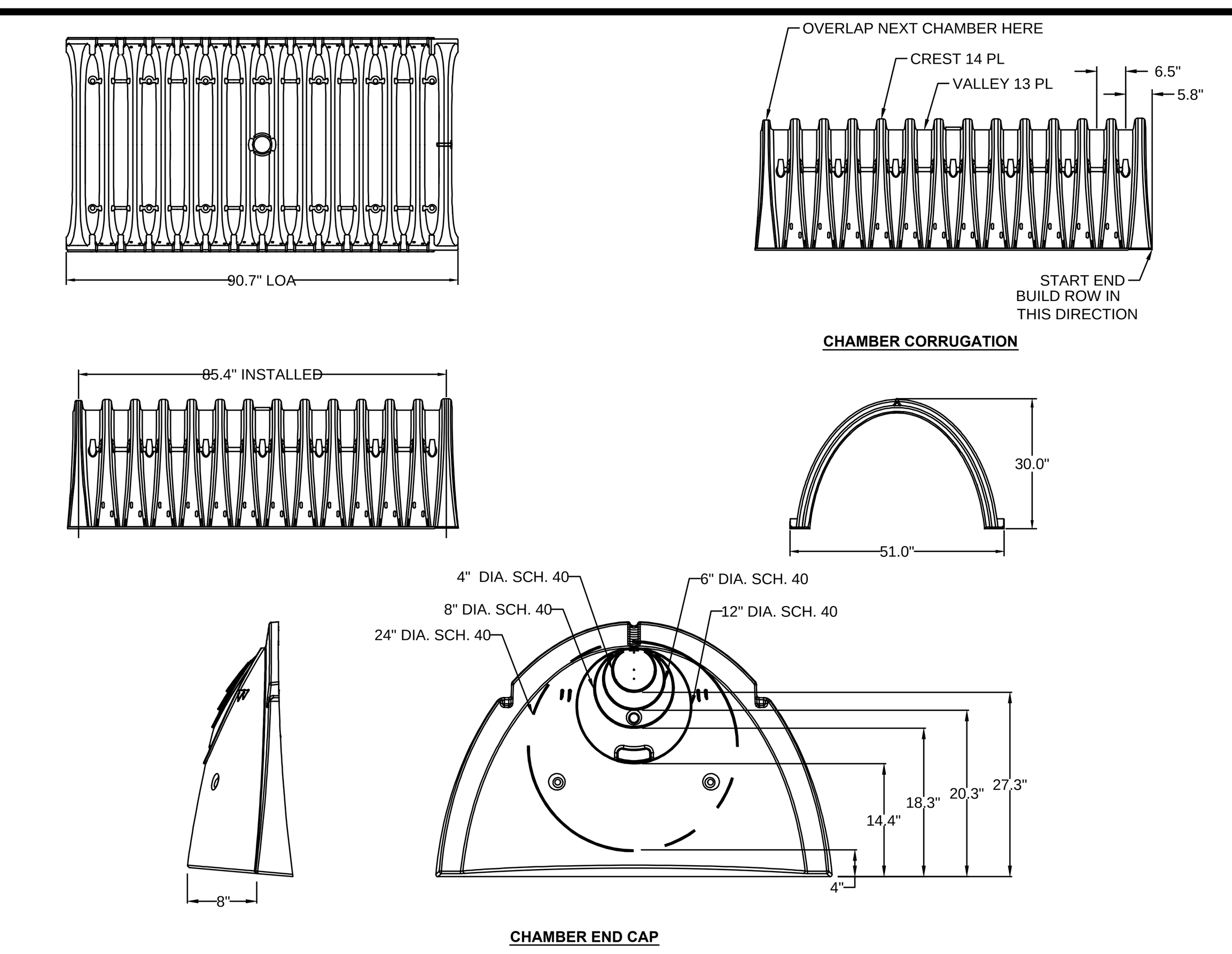
P-2
TYPICAL SHRUB PLANTING DETAIL
NOT TO SCALE



S-1
TRASH ENCLOSURE DETAIL
NOT TO SCALE

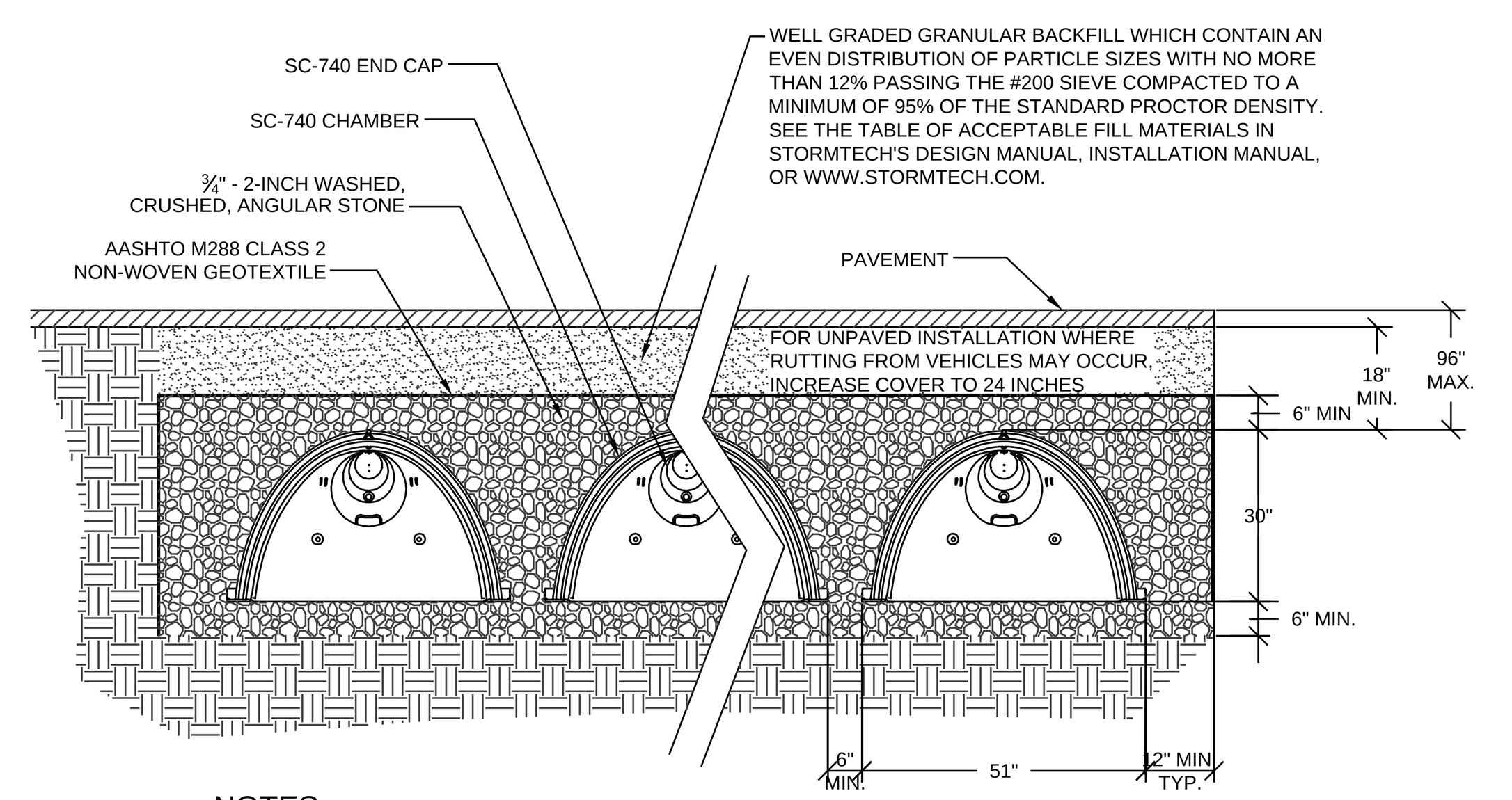


B-1
JERSEY BARRIER DETAIL
NOT TO SCALE



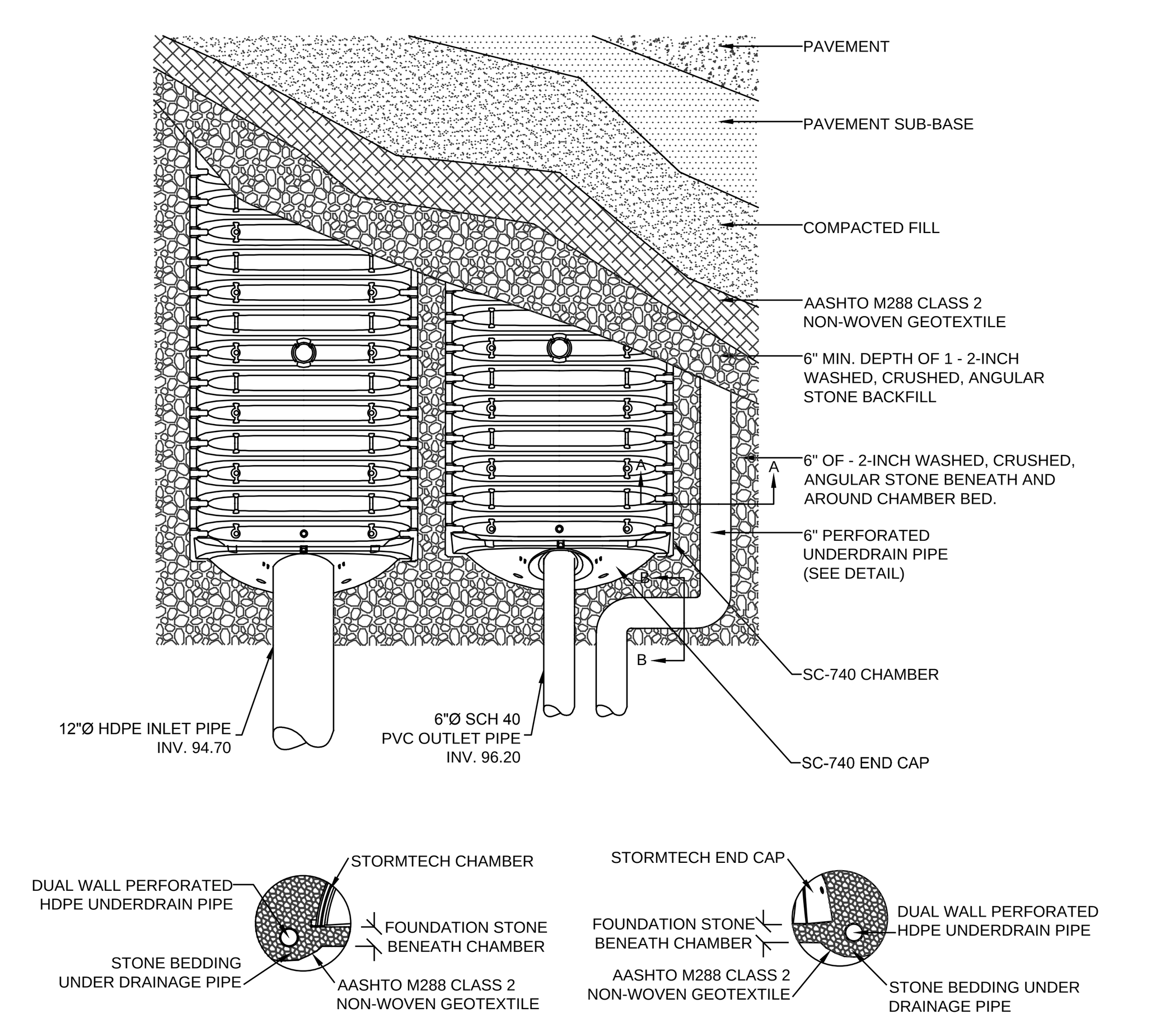
NOMINAL CHAMBER SPECIFICATIONS	
SIZE (W x H x INSTALLED LENGTH)	51.0" x 30.0" x 85.4"
CHAMBER STORAGE	45.9 CUBIC FEET
MINIMUM INSTALLED STORAGE	74.9 CUBIC FEET
WEIGHT	75 LBS.

SW-1
STORMTECH SC-740 CHAMBER DETAIL
NOT TO SCALE



NOTES:
1. All design specifications for Stormtech SC-740 chambers shall be in accordance with the Stormtech design manual.
2. The installation of Stormtech SC-740 chambers shall be in accordance with the latest Stormtech installation instructions.
3. The contractor is advised to review and understand the installation instructions prior to beginning system installation. Call 1-888-892-2694 or visit www.stormtech.com to receive a copy of the latest Stormtech installation instructions.
4. Chambers shall meet the design requirements and load factors specified in Section 12.12 of the latest edition of the AASHTO LRFD bridge design specifications

SW-2
STORMTECH SC-740 CHAMBER SYSTEM TYPICAL CROSS SECTION
NOT TO SCALE



NOTES:
1. All design specifications for Stormtech SC-740 chambers shall be in accordance with the Stormtech design manual.
2. The installation of Stormtech SC-740 chambers shall be in accordance with the latest Stormtech installation instructions.
3. The contractor is advised to review and understand the installation instructions prior to beginning system installation. Call 1-888-892-2694 or visit www.stormtech.com to receive a copy of the latest Stormtech installation instructions.
4. Chambers shall meet the design requirements and load factors specified in Section 12.12 of the latest edition of the AASHTO LRFD bridge design specifications

SW-3
STORMTECH SC-740 CHAMBER SYSTEM PLAN VIEW DETAIL
NOT TO SCALE

GENERAL EROSION CONTROL NOTES:
1. Contractor shall be responsible for compliance with all sediment and erosion control practices. The sediment and erosion control practices are to be installed prior to any major soil disturbances, and maintained until permanent protection is established. Road surface flows from the site should be dissipated with tracking pad or appropriate measures during adjacent road shoulder regrading. Contractor is responsible for the installation and maintenance of all soil erosion and sedimentation control devices throughout the course of construction.
2. Catch basin inlet protection must be installed and operating at all times until tributary areas have been stabilized. When possible flows should be stabilized before reaching inlet protection structure. Timely maintenance of sediment control structures is the responsibility of the Contractor.
3. All structures shall be maintained in good working order at all times. The sediment level in all sediment traps shall be closely monitored and sediment removed promptly when maximum levels are reached or as ordered by the engineer. All sediment control structures shall be inspected on a regular basis, and after each heavy rain to insure proper operation as designed. An inspection schedule shall be set forth prior to the start of construction.
4. The locations and the installation times of the sediment capturing standards shall be as specified in these plans, as ordered by the Engineer, and in accordance with the latest edition of the "New York Standards and Specifications for Erosion and Sediment Control" (NYSSESC).
5. All topsoil shall be placed in a stabilized stockpile for reuse on the site. All stockpile material required for final grading and stored on site shall be temporarily seeded and mulched within 7 days. Refer to soil stockpile details.
6. Any disturbed areas that will be left exposed more than 7 days and not subject to construction traffic, shall immediately receive temporary seeding. Mulch shall be used if the season prevents the establishment of a temporary cover. Disturbed areas shall not be limed and fertilized prior to temporary seeding.
7. All disturbed areas within 500 feet of an inhabited dwelling shall be wetted as necessary to provide dust control.
8. The contractor shall keep the roadways within the project clear of soil and debris and is responsible for any street cleaning necessary during the course of the project.
9. Sediment and erosion control structures shall be removed and the area stabilized when the drainage area has been properly stabilized by permanent measures.
10. All sediment and erosion control measures shall be installed in accordance with current edition of NYSSESC.
11. All regraded areas must be stabilized appropriately prior to any rock blasting, cutting, and/or filling of soils. Special care should be taken during construction to insure stability during maintenance and integrity of control structures.
12. Any slopes graded at 3:1 or greater shall be stabilized with erosion blankets to be staked into place in accordance with the manufactures requirements. Erosion blankets may also be required at the discretion of Town officials or Project Engineer. When stabilized blanket is utilized for channel stabilization, place all of the volume of seed mix prior to laying net, or as recommended by the manufacturer.
13. To prevent heavy construction equipment and trucks from tracking soil off-site, construct a pervious crushed stone pad. Locate and construct pads as detailed in these plans.
14. Contractor is responsible for controlling dust by sprinkling exposed soil areas periodically with water as required. Contractor to supply all equipment and water.
15. Contractor shall be responsible for construction inspections as per NYSDEC GP-0-15-002 and Town of Yorktown Code.

MAINTENANCE OF TEMPORARY EROSION AND SEDIMENT CONTROL STRUCTURES:
N.Y.S.D.E.C. GP-0-15-002 EXPOSURE RESTRICTIONS - States that any exposed earthwork shall be stabilized in accordance with the guidelines of this plan.
1. Trees and vegetation shall be protected at all times as shown on the detail drawing and as directed by the Engineer.
2. Care should be taken so as not to channel concentrated runoff through the areas of construction activity on the site.
3. Fill and site disturbances should not be created which causes water to pond off site or on adjacent properties.
4. Runoff from land disturbances shall not be discharged or have the potential to discharge off site without first being intercepted by a control structure, such as a sediment trap or silt fence. Sediment shall be removed before exceeding 50% of the retention structure's capacity.
5. For finished grading, adequate grade shall be provided so that water will not pond on lawns for more than 24 hours after rainfall, except in swale flow areas which may drain for as long as 48 hours after rainfall.
6. All swales and other areas of concentrated flow shall be properly stabilized with temporary control measures to prevent erosion and sediment travel. Surface flows over cut and fill areas shall be stabilized at all times.
7. All sites shall be stabilized with erosion control materials within 7 days of final grading.
8. Temporary sediment trapping devices shall be removed from the site within 30 days of final stabilization.

MAINTENANCE SCHEDULE:

	DAILY	WEEKLY	MONTHLY	AFTER RAINFALL	NECESSARY TO MAINTAIN FUNCTION	AFTER APPROVAL OF INSPECTOR
SILT FENCE	– – –	INSP.	– – – –	INSP.	CLEAN/ REPLACE	REMOVE
WHEEL CLEANER	CLEAN	– – – –	– – – –	– – – –	REPLACE	REMOVE

MAINTENANCE OF PERMANENT CONTROL STRUCTURES DURING CONSTRUCTION:
The stormwater management system and outlet structure shall be inspected on a regular basis and after every rainfall event. Sediment build up shall be removed from the inlet protection regularly to insure detention capacity and proper drainage. Outlet structure shall be free of obstructions. All piping and drain inlets shall be free of obstruction. Any sediment build up shall be removed.

MAINTENANCE OF CONTROLS AFTER CONSTRUCTION:
Controls (including respective outlet structures) should be inspected periodically for the first few months after construction and on an annual basis thereafter. They should also be inspected after major storm events.

DEBRIS AND LITTER REMOVAL:
Twice a year, inspect outlet structure and drain inlets for accumulated debris. Also, remove any accumulations during each mowing operation.

STRUCTURAL REPAIR/REPLACEMENT:
Outlet structure must be inspected twice a year for evidence of structural damage and repaired immediately.

EROSION CONTROL:
Unstable areas tributary to the basin shall immediately be stabilized with vegetation or other appropriate erosion control measures.

SEDIMENT REMOVAL:
Sediment should be removed after it has reached a maximum depth of five inches above the stormwater management system floor.

CONSTRUCTION SEQUENCE:

Refer to the Plan Set for all plans and details which relate to Construction Sequence.

1. A licensed surveyor must define infrastructure locations, limits of disturbance, stormwater basin limits, and grades in the field prior to start of any construction. Limits of disturbance shall be marked with the installation of construction fence or approved equal. The extents of all of the stormwater management systems shall be cordoned off to minimize the disturbance on this area.
2. Install all perimeter erosion control measures, construction access as shown on the Erosion and Sediment Control Plan and the associated Details. Install silt fencing at the bottom of slopes.
3. Strip site and place topsoil in stockpile locations shown on the plan.
4. Begin rough grading the site. Contractor to limit exposure of denuded soils by providing temporary stabilization for work areas that will remain undisturbed for over seven (7) days. Excess material shall be stockpiled in the location shown on the plan as grades allow. Material unable to be stockpiled shall be removed from the site.
5. Rough grade building and driveway.
6. Begin construction of building
7. Begin the excavation and installation of stormwater management system. Protect trenches and open excavations from erosion. Entry into the system shall be blocked off until site has reached final stabilization. Once system has been installed, backfill, seed where necessary, and reinstall measures to cordon off the system from disturbance.
8. During site construction maintain and re-establish as required erosion control and stabilization measures as required by the site plan and details.
9. Excavate to the sub-grade level. Scarify the existing soil to a depth of 12-inches by rototilling or other means acceptable to the Engineer. Install all courses of stone as per the specifications given on the Plan.
10. Install base course of Item 4 in all pavement areas. Stabilize all open areas with seed and mulch.
11. Construct remainder of building, driveway and parking areas. Install asphalt binder. Once binder course is installed, drainage outlet may be unblocked.
12. Grade, place final soil topping and put in place permanent vegetative cover over all disturbed areas, landscape beds, slopes, etc.
13. Once site stabilization has taken place (An area shall be considered to have achieved final stabilization when it has a minimum uniform 80% perennial vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated surface erosion and subsurface characteristics sufficient to resist sliding and other movements), remove all temporary erosion and sediment controls, unplug the drainage system to allow runoff to enter the stormwater management system.

Winter Stabilization Notes:

If construction activities are expected to extend into or occur during the winter season the contractor shall anticipate proper stabilization and sequencing. Construction shall be sequenced such that wherever possible areas of disturbance that can be completed and permanently stabilized shall be done by applying and establishing permanent vegetative cover before the first frost. Areas subject to temporary disturbance that will not be worked for an extended period of time shall be treated with temporary seed, mulch, and/or erosion blankets.

TOPSOIL:
Existing topsoil will be removed and stored in piles sufficiently as to avoid mixing with other excavation. Stockpiles shall be surrounded by erosion control as outlined on these plans. The furnishing of new topsoil shall be of a better or equal to the following criteria (SS713.01 NYSDOT):
1. The pH of the material shall be 5.5 to 7.6.
2. The organic content shall not be less than 2% or more than 70%.
3. Gradation:

SIEVE SIZE	% PASSING BY WGT.
2 INCH	100
1 INCH	85 TO 100
1/4 INCH	65 TO 100
NO. 200 MESH	20 TO 80

PERMANENT VEGETATIVE COVER:
1. Site preparation:
   - 1.1. Install erosion control measures.
   - 1.2. Scarify compacted soil areas.
   - 1.3. Lime as required to ph 6.5.
   - 1.4. Fertilize with 10-6-4 4 lbs/1,000 S.F.
   - 1.5. Incorporate amendments into soil with disc harrow.
2. Seed mixtures for use on swales and cut and fill areas.

MIXTURE		LBS./ACRE
ALT. A	KENTUCKY BLUE GRASS	20
	CREEPING RED FESCUE	28
	RYE GRASS OR REDTOP	5
ALT. B	CREEPING RED FESCUE	20
	REDTOP	2
	TALL FESCUE/SMOOTH BLOOMGRASS	20

3. SEEDING
   - 3.1. Prepare seed bed by raking to remove stones, twigs, roots and other foreign material.
   - 3.2. Apply soil amendments and integrate into soil.
   - 3.3. Apply seed uniformly by cyclone seeder culti-packer or hydro-seeder at rate indicated.
   - 3.4. Stabilize seeded areas in drainage swales.
   - 3.5. Irrigate to fully saturate soil layer, but not to dislodge planting soil.
   - 3.6. Seed between April 1st and May 15th or August 15th and October 15th.
   - 3.7. Seeding may occur May 15th and August 15th if adequate irrigation is provided.

TEMPORARY VEGETATIVE COVER:
SITE PREPARATION:
1. Install erosion control measures.
2. Scarify areas of compacted soil.
3. Fertilize with 10-10-10 at 400/acre.
4. Lime as required to ph 6.5.

SEED SPECIES:

MIXTURE	LBS./ACRE
Rapidly germinating annual ryegrass (or approved equal)	20
Perennial ryegrass	20
Cereal oats	36

SEEDING:
Same as permanent vegetative cover

CONTRACTOR CERTIFICATION STATEMENT
Certification Statement - All contractors and subcontractors as identified in a SWPPP, by the Owner or Operator, in accordance with Part III.A.5 of the SPDES General Permit for Stormwater Runoff from Construction Activity, GP-0-15-002, dated January 29, 2015, Page 10 of 40, shall sign a copy of the following Certification Statement before undertaking any construction activity at the Site identified in the SWPPP:

"I hereby certify that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the Qualified Inspector during a site inspection. I also understand that the Owner or Operator must comply with the terms and conditions of the New York State Pollutant Discharge Elimination System ("SPDES") General Permit for Stormwater Discharge from Construction Activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings."

Individual Contractor: ____________
Name and Title (please print): ____________
Signature of Contractor: ____________
Company / Contracting Firm: ____________
Name of Company: ____________
Address of Company: ____________
Telephone Number / Cell Number: ____________
Site Information: ____________
Address of Site: ____________
____
Today's Date: ____________

OWNER / OPERATOR CERTIFICATION
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Further, I hereby certify that the SWPPP meets all Federal, State, and local erosion and sediment control requirements. I am aware that false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law."

Name (please print): ____________
Title: ____________
Date: ____________
Address: ____________
Phone: ____________
E-mail: ____________
Signature: ____________

PROJECT # 16-29

Site Design Consultants
Civil Engineers • Land Planners
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Engineer:
STATE OF NEW YORK ★ JOSEPH CARLO RIINA ★ NO. 64431 ★ LICENSED PROFESSIONAL ENGINEER
Joseph C. Riina, P.E.
NYS Lic. No. 64431

Revisions:

No.	Date	Comments:
1.	8/03/17	Tide Information
2.	6/1/18	Improvements and Details added
3.	9/12/18	Town and NYSDEC Comments

SCALE: N/A
DRAWN BY: MD
DATE: 5-14-18

DETAILS

SITE PLAN
PREPARED FOR
ANDRE FERNANDES
37 Roa Hook Road
Town of Cortlandt
Westchester County, NY

Sheet 6 of 6

F:\2016\16-29 ANDRE FERNANDES - ASF\ENGINEERING\CAD\C3D-16-29 ANDRE FERNANDES\DWG\16-29 SITE PLAN 9-5-18_RECOVER_RECOVER.DWG 1/16/2017 3:19:52 PM