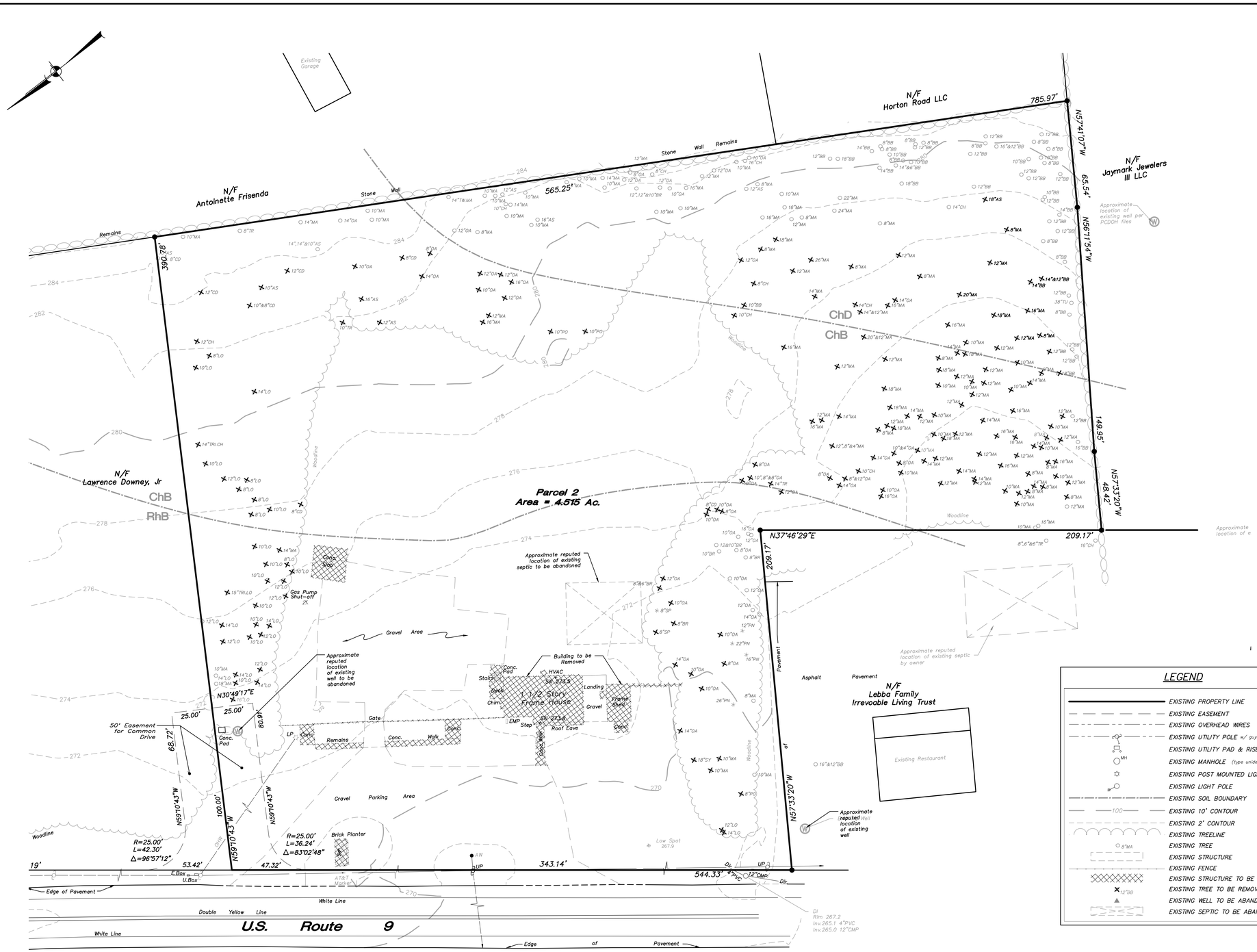
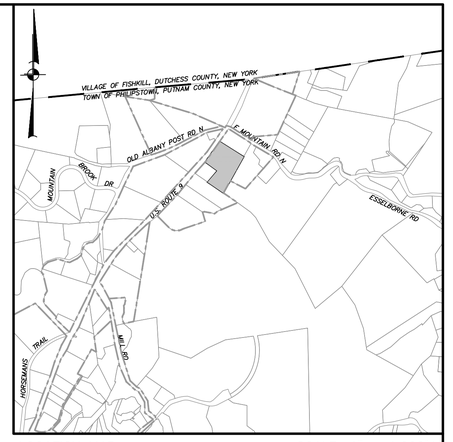
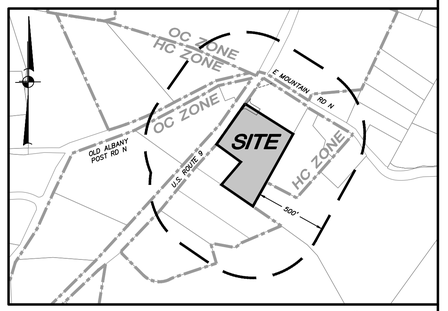




LOCATION MAP SCALE: 1" = 1,000'±



VICINITY MAP SCALE: 1" = 500'±

OWNER/APPLICANT:

3622 Route 9 LLC
108 Hudson Pointe Dr
Poughkeepsie, NY 12601

SITE DATA:

Zone: HC (Highway Commercial)
Total Acreage 4.5 AC
Tax Map No.: 17.-1-44

GENERAL NOTES:

1. Boundary and topographic info shown hereon are taken from a survey by Insite Engineering, Surveying & Landscape Architecture, P.C., dated May 30, 2019.
2. Site soils as shown hereon are approximated from USDA soil mapping.

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING OVERHEAD WIRES
- EXISTING UTILITY POLE w/ guy & overhead wires
- EXISTING UTILITY PAD & RISERS
- EXISTING MANHOLE (type unidentified)
- EXISTING POST MOUNTED LIGHT
- EXISTING LIGHT POLE
- EXISTING SOIL BOUNDARY
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- EXISTING TREELINE
- EXISTING TREE
- EXISTING STRUCTURE
- EXISTING FENCE
- EXISTING STRUCTURE TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- EXISTING WELL TO BE ABANDONED
- EXISTING SEPTIC TO BE ABANDONED

GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 inch = 30 ft.

TOWN OF PHILIPSTOWN NOTES:

1. Topography in U.S.G.S. Datum.
2. All proposed utilities shall be placed underground.
3. All existing trees to be saved shall be flagged and snow fence is to be erected around trees prior to any construction activities.
4. Prior to the initiation of construction the applicant or his representative will meet with the Town Engineer, Highway Superintendent, Building Inspector, Site Contractor, and/or any additional outside agencies that may have jurisdiction for a Pre-Construction Conference to review all facets of construction and required inspections.
5. All erosion controls are to be set in place prior to any land disturbances on the site.
6. Per New York State Law, the contractor shall call DigSafely New York at 1-800-962-7962 two (2) full days prior to performing any excavation work.
7. All embankments are to be graded and seeded immediately upon being laid back.
8. Stabilized construction entrances shall be provided at all entrances to the construction site, and shall conform to New York State Guidelines for Urban Erosion and Sediment Control.
9. The buildings and site improvements shown hereon are not to be revised without further Planning Board approval.
10. All areas shown by limits of disturbance shall be flagged and suitable barriers erected prior to any construction activities.
11. Prior to commencement of any clearing, grading, or excavation in connection with the proposed construction activity, the owner of record shall file a "Notice of Intent" with the NYS DEC and the Town of Philipstown. When all construction has been completed and the site has reached final stabilization the Owner shall submit a "Notice of Termination" to the NYS DEC and the Town of Philipstown.
12. No substitutions, alterations, deviations or other changes to any of the improvements shown on the approved site plan shall be made during construction, or shall be accepted by the Town of Philipstown unless prior approval in writing has been received by the Project Owner or his assigned representative.
13. Prior to the issuance of a certificate of occupancy the Project Owner shall deliver to the Planning Department an as-built survey showing the location of any buildings, and the location and elevation of all stormwater management facilities including outlet control structures, weir walls, outfall pipes and overflow spillways.

NO.	DATE	REVISION	BY
4	4-1-21	REVISED PER TOWN COMMENTS	ERA
3	2-4-21	REVISED PER TOWN COMMENTS	CBZ
2	12-3-20	REVISED PER TOWN COMMENTS	ERA
1	11-5-20	REVISED PER TOWN COMMENTS	ERA

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT:
3622 ROUTE 9 LLC
3622 ROUTE 9, TOWN OF PHILIPSTOWN, PUTNAM COUNTY, NEW YORK

DRAWING:
EXISTING CONDITIONS & REMOVALS

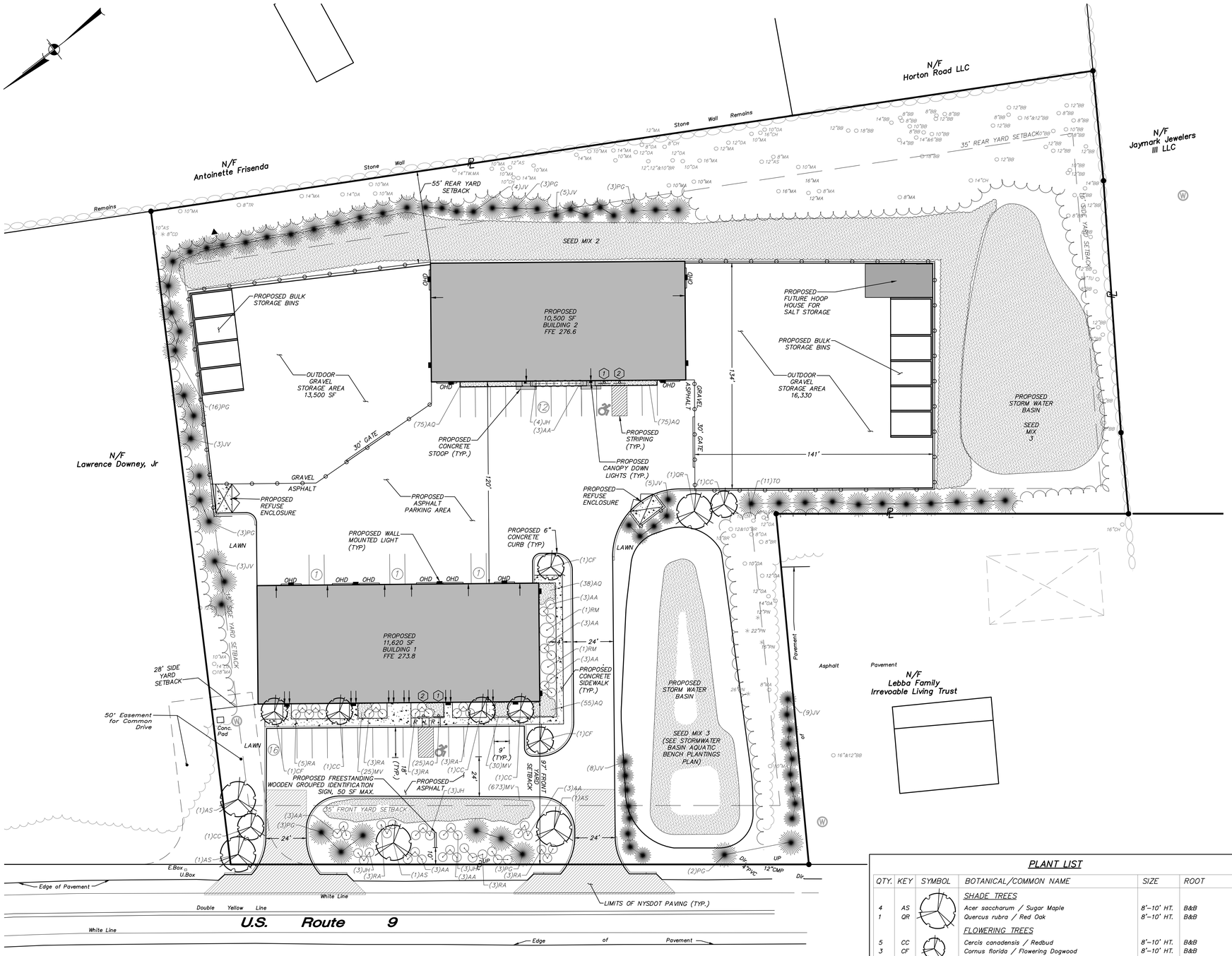
STATE OF NEW YORK JOHN M. WATSON LICENSED PROFESSIONAL ENGINEER No. 77950

PROJECT NUMBER	18156.100	PROJECT MANAGER	J.M.W.
DATE	10-1-20	DRAWN BY	E.R.A.
SCALE	1" = 30'	CHECKED BY	A.D.T.

DRAWING NO. EX-1 SHEET 1 / 8

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

Z:\E\18156\100 Downey-Philipstown Misc Drawing Files\120320\Arkenchair\01 EX-1.dwg, 4/2/2021 11:38:50 AM, eappignani, 1:1



LEGEND

- EXISTING PROPERTY LINE
- EXISTING TREELINE
- PROPOSED TREELINE
- (9) PROPOSED # OF STALLS TO BE STRIPED
- PROPOSED CONCRETE CURB
- PROPOSED DROP CURB & RAMP
- PROPOSED EDGE OF SIDEWALK
- PROPOSED RETAINING WALL
- PROPOSED STORM WATER BASIN
- PROPOSED PAINTED HANDICAP PARKING SYMBOL
- PROPOSED STRIPED ISLAND
- PROPOSED BUILDING MOUNTED LIGHT
- PROPOSED CANOPY LIGHT
- PROPOSED LANDSCAPING
- PROPOSED SEEDING
- PROPOSED REFUSE ENCLOSURE
- PROPOSED DOOR LOCATION
- OHD PROPOSED OVERHEAD DOOR LOCATION

ZONE REQUIREMENTS TOWN OF PHILIPSTOWN HC ZONE

	REQUIRED/ PERMITTED	PROPOSED
Minimum Lot Area:	40,000 s.f.	4.5 AC ± (196,686 s.f. ±)
Minimum Lot Frontage (US-9):	300'	343' ±
Minimum Front Yard (US-9):	35'	97' ±
Minimum Side Yard:	15'	28' ±
Minimum Rear Yard:	35'	55' ±
Maximum Impervious Coverage:	60%	48.7%
Maximum Height:	40'	Less than 40'
Maximum Footprint (SF) For Nonresidential Structures:	40,000 SF	22,120 SF

USE TABLE TOWN OF PHILIPSTOWN HC ZONE

	USE	AREA	TENANTS/ EMPLOYEES	ANTICIPATED TRIPS
				EMPLOYEES
Existing Primary Structure To Be Removed:	Contractor Office/Storage (Service Business)	2,000 SF±		
Proposed Primary Structures:	Contractor Office/Storage (Service Business)	22,380 SF Total	5-8/ 24 Max	10-24
	Storage of fertilizers, pesticides and herbicide*			
Existing Accessory Structure To Be Removed:	Contractor Storage (Service Business)	325 SF±		
Proposed Accessory Structure	Hoop House for Salt Storage*	800 SF±		

NOTES:

1. Special Use Permit Required in Clove Creek Aquifer Overlay District
2. Additional trips to include passenger vehicles, construction pickups and dump trucks, as well as 0-4 tractor-trailer trips per week for deliveries.
3. See vehicle maneuvers on sheet SP-4.

OUTDOOR STORAGE

PERMITTED @ 20% OF TOTAL LOT SF = 39,334 SF
PROPOSED = 29,830 SF±

PARKING REQUIREMENTS:

- Office Use - Approx. 4,000 S.F. @ 3 spaces / 1,000 S.F = 12 spaces required
- Warehouse Use - Approx. 18,120 S.F. @ 1 space / 1,000 S.F = 19 spaces required

Total Spaces Required = 31 spaces required
Total Spaces Provided = 31 spaces provided

PLANT LIST

QTY.	KEY	SYMBOL	BOTANICAL/COMMON NAME	SIZE	ROOT
			SHADE TREES		
4	AS		Acer saccharum / Sugar Maple	8'-10' HT.	B&B
1	QR		Quercus rubra / Red Oak	8'-10' HT.	B&B
			FLOWERING TREES		
5	CC		Cercis canadensis / Redbud	8'-10' HT.	B&B
3	CF		Cornus florida / Flowering Dogwood	8'-10' HT.	B&B
			EVERGREEN TREES		
37	JV		Juniperus virginia / Eastern Redcedar	7'-8' HT.	B&B
43	PG		Picea glauca / White Spruce	7'-8' HT.	B&B
			SHRUBS		
24	AA		Aronia arbutifolia / Red Chokeberry		#3 CONT./6' O.C.
13	JH		Juniperus horizontalis "Bar Harbor" / Creeping Juniper		#3 CONT./6' O.C.
23	RA		Rhododendron atlanticum / Deciduous Azalea		#3 CONT./6' O.C.
2	RM		Rhododendron maximum / Rosebay Rhododendron		#3 CONT./6' O.C.
			PERENNIALS/GROUND COVERS		
268	AQ		Aquilegia canadensis / Columbine		#1 CONT./18" O.C.
728	MV		Mertensia virginica / Virginia Bluebells		#1 CONT./18" O.C.

* See Stormwater Basin Aquatic Bench Plantings on Sheet D-3

SIGN DATA TABLE

LOCATION NO.	TEXT	M.U.T.C.D. NUMBER	SIZE OF SIGN (s.f.)	DESCRIPTION
1	RESERVED PARKING	R7-8	12" x 18"	Blue on White
2	NO PARKING ANY TIME	R7-1	12" x 18"	Red on White

GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 inch = 30 ft.

NO.	DATE	REVISION	BY
5	4-1-21	REVISED PER TOWN COMMENTS	ERA
4	2-4-21	REVISED PER TOWN COMMENTS	CBZ
3	12-3-20	REVISED PER TOWN COMMENTS	ERA
2	11-5-20	REVISED PER TOWN COMMENTS	ERA
1	5-8-20	REVISED PER TOWN ENGINEER COMMENTS	ADT

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT:
3622 ROUTE 9 LLC
3622 ROUTE 9, TOWN OF PHILIPSTOWN, PUTNAM COUNTY, NEW YORK

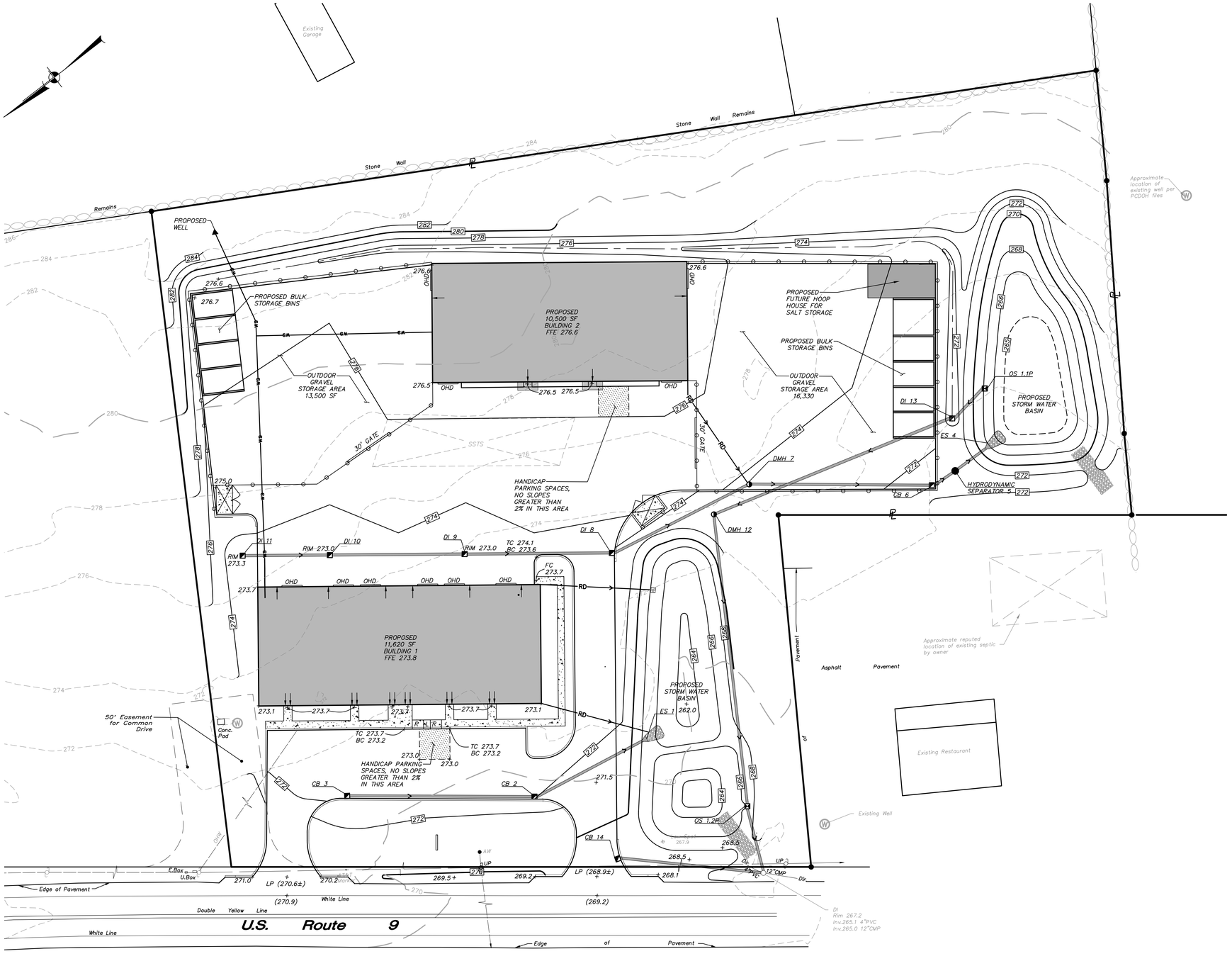
DRAWING:
LAYOUT AND LANDSCAPE PLAN

STATE OF NEW YORK JOHN M. WATSON LICENSED PROFESSIONAL ENGINEER No. 77950

PROJECT NUMBER	18156.100	PROJECT MANAGER	J.M.W.	DRAWING NO.	SHEET
DATE	10-1-20	DRAWN BY	E.R.A.	SP-1	2 / 8
SCALE	1" = 30'	CHECKED BY	A.D.T.		

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

Z:\E\18156\200 Downey-Philipstown\Misc Drawing Files\200324\Acrhive\00 SP-1_dtd_4-27-2020 11:39:07 AM, eapplgrun, 1:1



LEGEND

- EXISTING PROPERTY LINE
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- PROPOSED 10' CONTOUR
- PROPOSED 2' CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED TOP OF CURB & BOTTOM OF CURB ELEVATIONS
- PROPOSED CATCH BASIN
- PROPOSED OUTLET STRUCTURE
- PROPOSED WELL
- PROPOSED END SECTION
- PROPOSED DRAINAGE PIPE
- PROPOSED GRASS SWALE
- PROPOSED SEPTIC SYSTEM

GRADING AND UTILITIES NOTES:

1. Boundary and topographic info shown hereon are taken from a survey by Insite Engineering, Surveying & Landscape Architecture, P.C., dated May 30, 2019.
2. Anticipated average water and wastewater usage to be 600 gallons per day.

ANTICIPATED WATER & WASTEWATER USE

BUILDING 1:	= 390 GPD ±
BUILDING 2:	= 210 GPD ±
TOTAL SITE:	= 600 GPD ±

PROPOSED DRAINAGE TABLE

STRUCTURE	RIM	INV.	PIPE	LENGTH	SLOPE
CB 14	268.6	265.5	12" HDPE	86 L.F.	0.6%
DI A	267.2	265.0			
OS 1.1P	271.5	267.0	12" HDPE	26 L.F.	0.8%
DI 13	271.0	266.8	12" HDPE	152 L.F.	0.5%
DMH 12	273.0	266.0	12" HDPE	173 L.F.	0.5%
OS 1.2P	267.5	265.2	12" HDPE	40 L.F.	0.5%
DI A	267.2	265.0			
DI 11	273.3	270.8	12" HDPE	52 L.F.	1.2%
DI 10	273.0	270.2	12" HDPE	79 L.F.	0.8%
DI 9	273.0	269.6	12" HDPE	87 L.F.	0.8%
DI 8	273.4	268.9	12" HDPE	90 L.F.	0.8%
DMH 7	273.8	268.2	12" HDPE	108 L.F.	0.7%
CB 6	271.6	267.4	12" HDPE	17 L.F.	1.8%
HS 5	271.8	267.1	12" HDPE	25 L.F.	1.2%
ES 4	–	266.8			
CB 3	272.1	269.1	12" HDPE	110 L.F.	1.0%
CB 2	272.0	268.0	12" HDPE	75 L.F.	0.9%
ES 1	–	267.2			

NO.	DATE	REVISION	BY
4	4-1-21	REVISED PER TOWN COMMENTS	ERA
3	2-4-21	REVISED PER TOWN COMMENTS	CBZ
2	12-3-20	REVISED PER TOWN COMMENTS	ERA
1	11-5-20	REVISED PER TOWN COMMENTS	ERA

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT:
3622 ROUTE 9 LLC
3622 ROUTE 9, TOWN OF PHILIPSTOWN, PUTNAM COUNTY, NEW YORK

DRAWING:
GRADING & UTILITIES PLAN

STATE OF NEW YORK JOHN M. WATSON No. 77950 LICENSED PROFESSIONAL ENGINEER

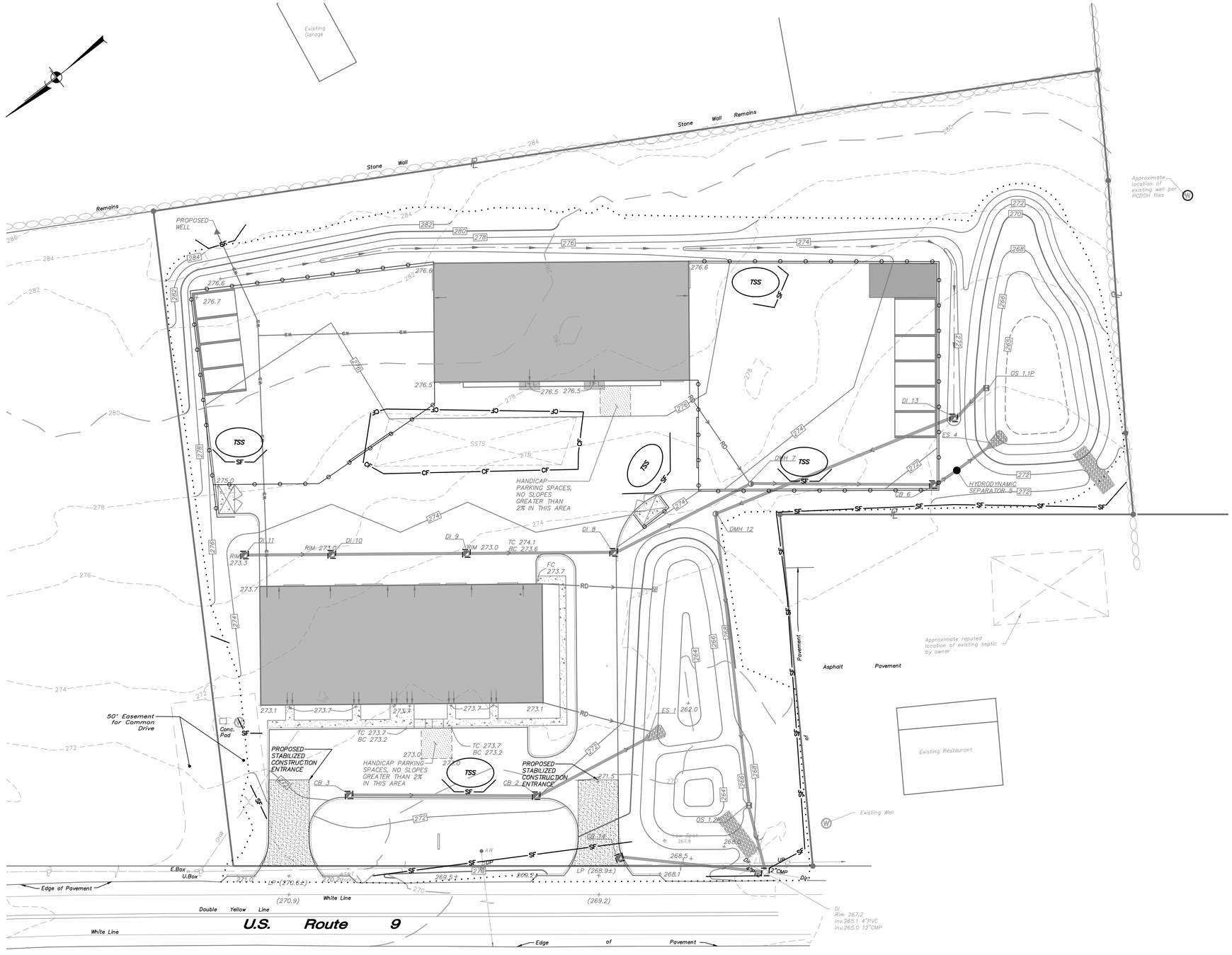
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 inch = 30 ft.

PROJECT NUMBER	18156.100	PROJECT MANAGER	J.M.W.
DATE	10-1-20	DRAWN BY	E.R.A.
SCALE	1" = 30'	CHECKED BY	A.D.T.

DRAWING NO. SP-2
SHEET 3 / 8

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

Z:\01185\100 Downey Philipstown\Misc Drawing Files\120329\Hancher\dwg\03 SP-2_sht.dwg, 4/2/2021 12:57:13 PM, eagle@nen, 1:1



LEGEND

PL	EXISTING PROPERTY LINE
SF	PROPOSED SILT FENCE
	PROPOSED LIMITS OF DISTURBANCE
TSS / SF	PROPOSED TEMPORARY SOIL STOCKPILE
	PROPOSED STABILIZED CONSTRUCTION ENTRANCE
	PROPOSED DRAINAGE STRUCTURE W/ INLET PROTECTION

SITE DISTURBANCE SUMMARY

TOTAL DISTURBANCE	= 3.8 ACRES
TOTAL NEW IMPERVIOUS AREA	= 1.7 ACRES

CONSTRUCTION SEQUENCE:

1. Install stabilized construction entrance/anti-tracking pad at driveway entrance.
2. Install silt fence in general locations indicated on the plan.
3. Begin clearing and grubbing operations associated with buildings, driveway and SSTS.
4. Strip and stockpile topsoil on site for later use in lawn and landscape areas.
5. Begin excavation for foundations, individual lot grading, and construction of outdoor stormwater areas,parking and driveways.
6. Begin building construction and installation of SSTS and well.
7. Install Infiltration Area, Drains Inlets and connect Roof Leader Drains to drainage system.
8. Upon completion of grading operations, install finished driveway surfaces.
9. Topsoil, seed, and mulch all disturbed areas as soon as practical in accordance with the Erosion and Sediment Control Notes contained on this page.

NO.	DATE	REVISION	BY
4	4-1-21	REVISED PER TOWN COMMENTS	ERA
3	2-4-21	REVISED PER TOWN COMMENTS	CBZ
2	12-3-20	REVISED PER TOWN COMMENTS	ERA
1	11-5-20	REVISED PER TOWN COMMENTS	ERA

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT:
3622 ROUTE 9 LLC
3622 ROUTE 9, TOWN OF PHILIPSTOWN, PUTNAM COUNTY, NEW YORK

DRAWING:
EROSION & SEDIMENT CONTROL PLAN

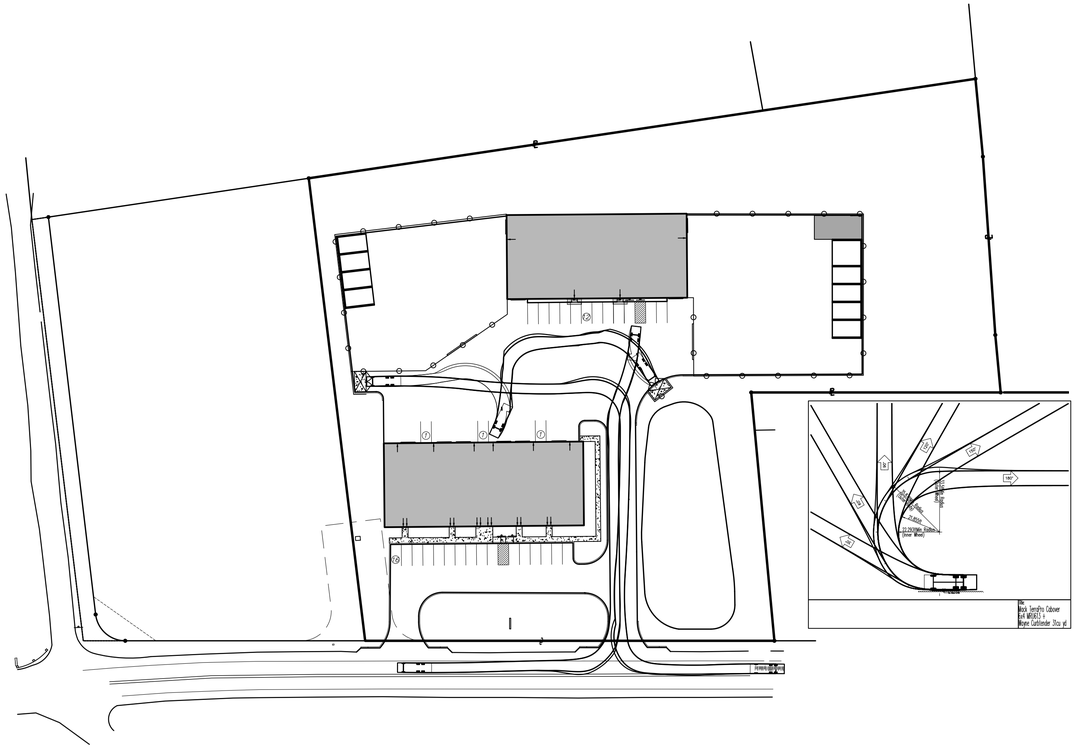
STATE OF NEW YORK · JOHN M. WATSON · No. 77950 · LICENSED PROFESSIONAL ENGINEER

GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 inch = 30 ft.

PROJECT NUMBER	18156.100	PROJECT MANAGER	J.M.W.	DRAWING NO.	SHEET
DATE	10-1-20	DRAWN BY	E.R.A.	SP-3	4 / 8
SCALE	1" = 30'	CHECKED BY	A.D.T.		

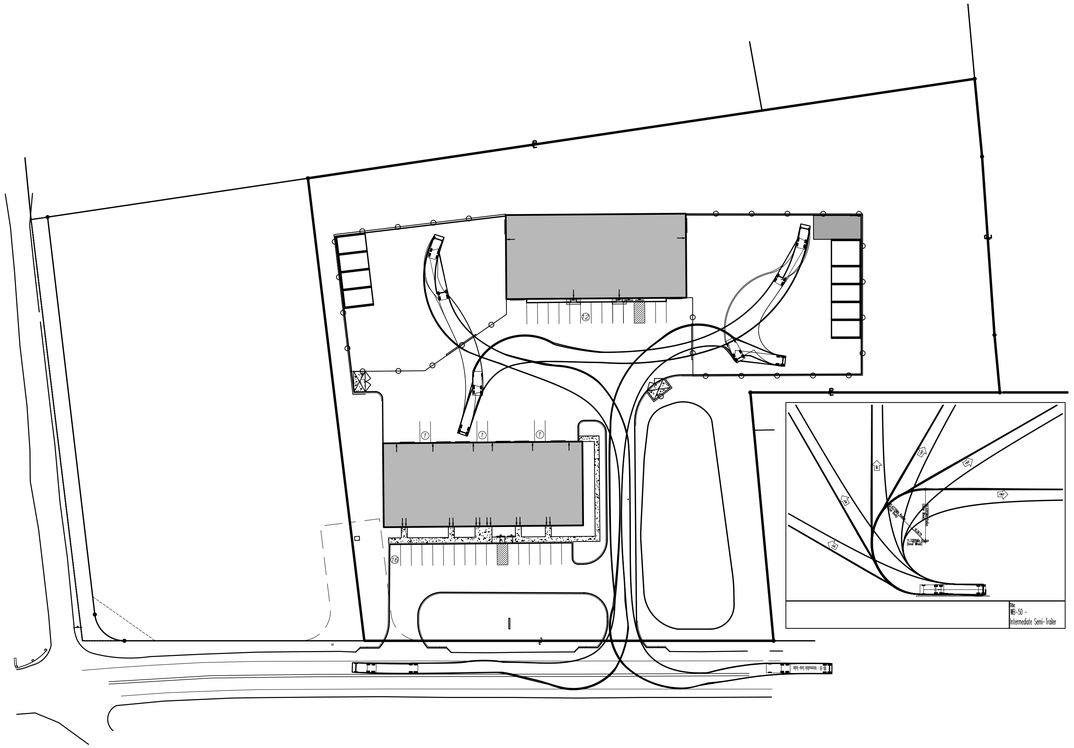
ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

Z:\E\18156100 Downey-Philipstown\Misc Drawing Files\210329 Alternative\04 SP-3_alt.dwg, 4/2/2021 12:56:50 PM, eappelgren, 1:1



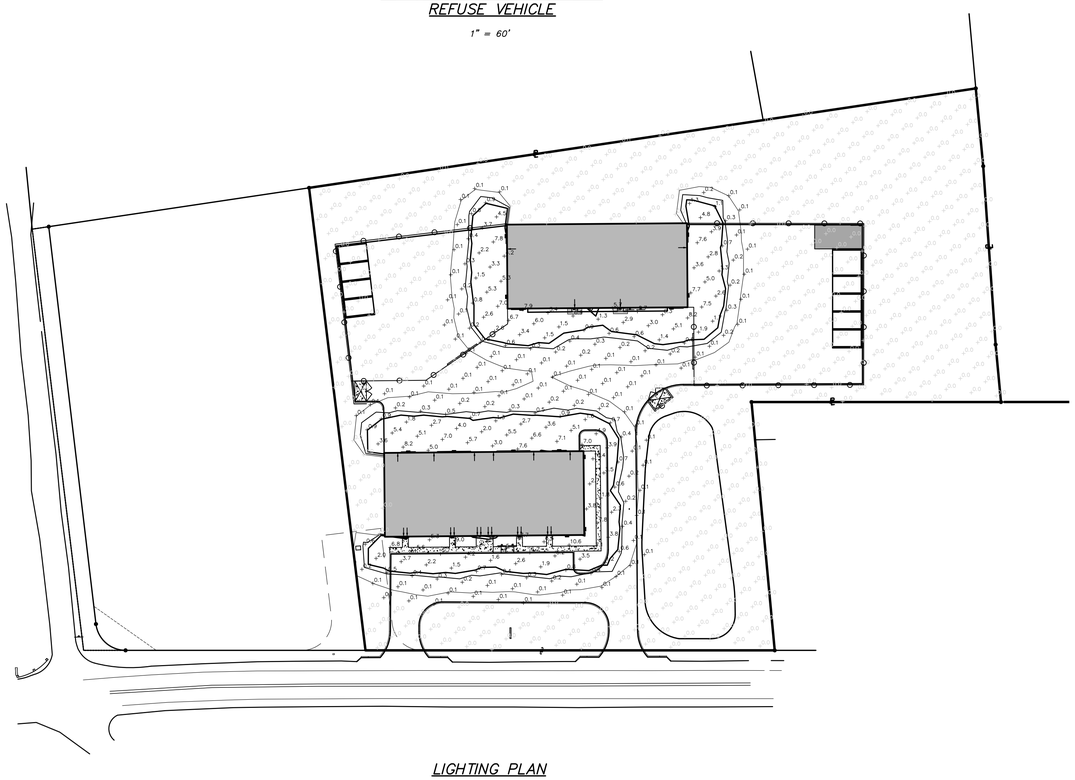
VEHICLE MANEUVERING PLAN
REFUSE VEHICLE

1" = 60'



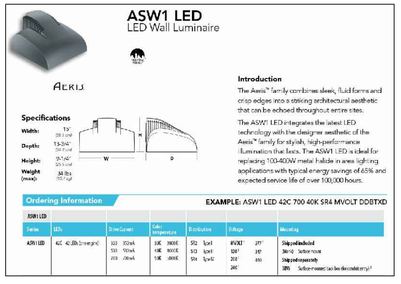
VEHICLE MANEUVERING PLAN
WB-50 TRACTOR TRAILER

1" = 60'



LIGHTING PLAN

1" = 60'



ASW1 LED
LED Wall Luminaire

AERIS

Specifications

Width: 13" (33 cm)
Depth: 13-3/4" (34.9 cm)
Height: 9"-16" (22.9 cm-40.6 cm)
Weight (max): 34 lbs (15.7 kg)

Introduction

The Aeris™ family combines sleek, fluid forms and crisp edges into a striking architectural aesthetic that can be echoed throughout entire sites.

The ASW1 LED integrates the latest LED technology with the designer aesthetic of the Aeris™ family for stylish, high-performance illumination that lasts. The ASW1 LED is ideal for replacing 100-400W metal halide in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information EXAMPLE: ASW1 LED 42C 700 40K SR4 MVOLT DDBTXD

ASW1 LED

Series	LEDs	Drive Current	Color Temperature	Distribution	Voltage	Mounting
ASW1 LED	42C 42 LEDs (one engine)	530 530mA 700 700mA 1000 1,000mA	30K 3000K 40K 4000K 50K 5000K	SR2 Type II short SR3 Type II short SR4 Type II short	MVOLT 277V 120 120V 208 208V 240 240V	Shipped included Blank No surface mounting bracket SRM Surface mounting bracket (required for retrofit) BBW Surface mounting back box (required for new construction)

CNY LED
LED Canopy/Ceiling Luminaire

Specifications

CNY LED 70 PLUTO
Width: 10"
Height: 4.7"
Depth: 10"
Weight: 6.5lbs

Introduction

The CNY LED canopy luminaires are energy efficient and budget friendly perfect for replacing up to 250W metal halide luminaires while saving up to 80% energy costs. Quick mount mechanism significantly reduces the installation time. An LED array and translucent lens create uniform and visually comfortable illumination. CNY LED luminaires are DLC Premium listed and deliver quick payback!

Ordering Information EXAMPLE: CNY LED P1 50K MVOLT DDB

CNY LED

Series	Performance Package	Color Temperature*	Voltage	Finish
CNY LED	P0 1,000 lumens P1 4,000 lumens P2 6,000 lumens	40K 4000K 50K 5000K	MVOLT 120-277V	DDB Dark bronze WH White

LUMINAIRE SCHEDULE

Sym	Qty	Catalog Number	Description	Lamp	Mounting Height	Watts
	16	ASW1 LED 42C 700 40K SR3 MVOLT	LITHONIA LIGHTING LED WALL LUMINAIRE TYPE 3 DISTRIBUTION	LED	12'-0"	98
	2	CNY LED P1 40k MVOLT	LITHONIA LIGHTING LED CANOPY LIGHT	LED	12'-0"	35

LIGHT CONTOUR LEGEND

0.1 — 0.10 Foot Candles
0.5 — 0.50 Foot Candles
1 — 1.00 Foot Candles

* Photometric calculations shown on plan are in foot candles.

LIGHTING NOTES:

1. All lighting shall be as noted on the plan or approved equal.
2. Style and finish of all luminaires to be selected by owner and approved by the Planning Board.
3. Proposed lights will run on photocells during regular business hours, and will run on motion sensors after hours.
4. Type, location, and shading of all proposed lighting shall prevent the spillover of light onto all adjacent residential properties.
5. All light fixtures to be full cutoff to comply with dark sky guidelines.

GRAPHIC SCALE

0 30 60 120

(IN FEET)
1 inch = 60 ft.

NO.	DATE	REVISION	BY
2	4-1-21	REVISED PER TOWN COMMENTS	ERA
1	2-4-21	REVISED PER TOWN COMMENTS	CBZ

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT:
3622 ROUTE 9 LLC
3622 ROUTE 9, TOWN OF PHILIPSTOWN, PUTNAM COUNTY, NEW YORK

DRAWING:
VEHICLE MANEUVERING AND LIGHTING PLAN

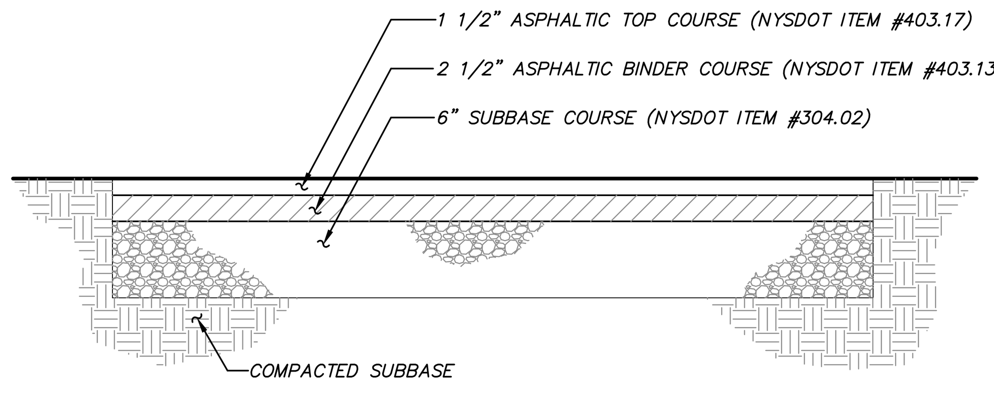
STATE OF NEW YORK
JOHN M. WATSON
No. 77950
LICENSED PROFESSIONAL ENGINEER

PROJECT NUMBER	18156.100	PROJECT MANAGER	J.M.W.
DATE	12-3-20	DRAWN BY	E.R.A.
SCALE	1" = 60'	CHECKED BY	A.D.T.

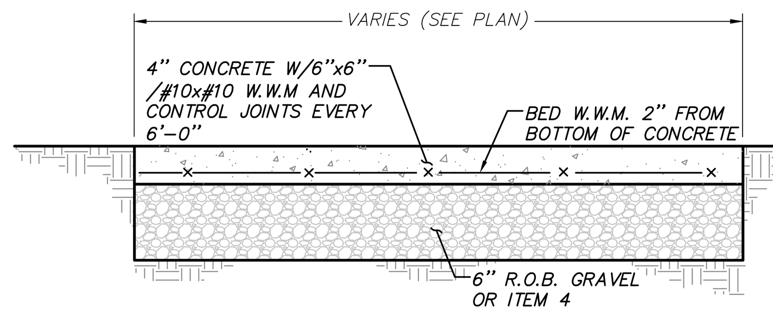
DRAWING NO. SP-4
SHEET 5 / 8

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

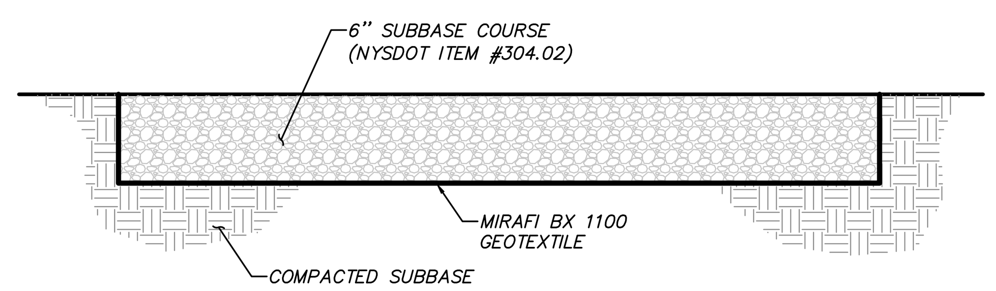
Z:\E\18156.100 Downey-Philipstown\Misc Drawing Files\20201214\Alternative\05 SP-4_plt.dwg, 4/2/2021 11:50:59 AM, eagerjoyce, 1:1



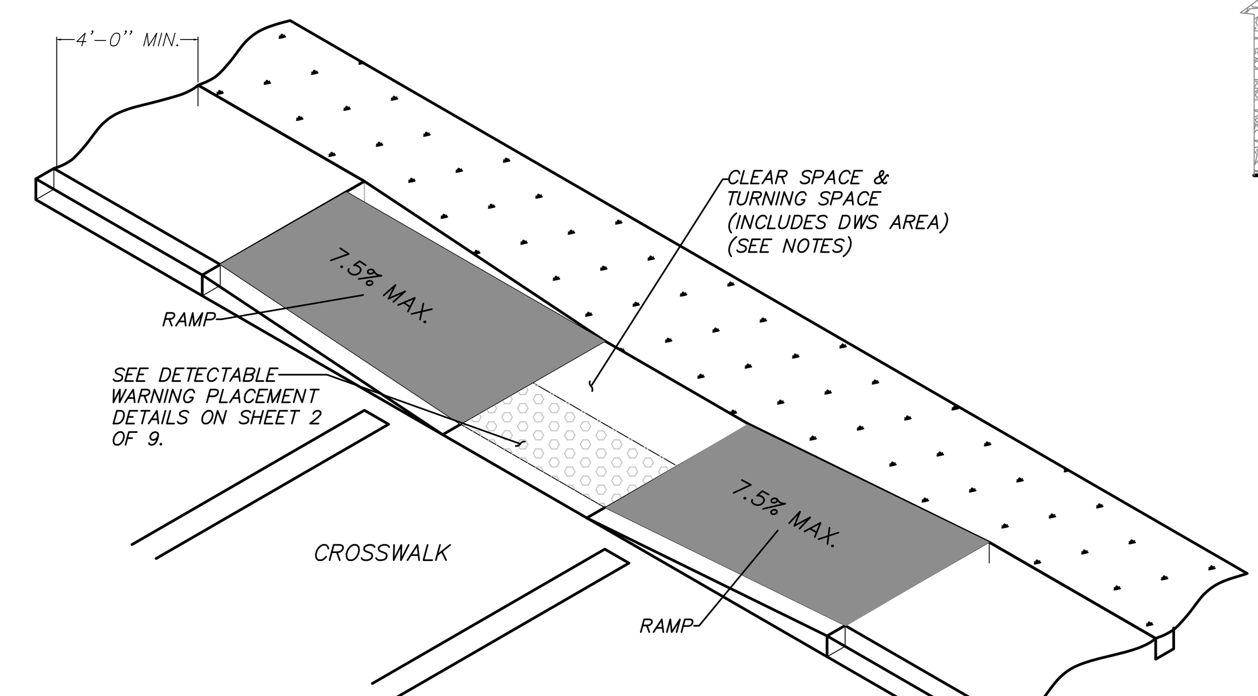
SITE ASPHALT PAVEMENT DETAIL
(N.T.S.)



CONCRETE SIDEWALK DETAIL
(N.T.S.)

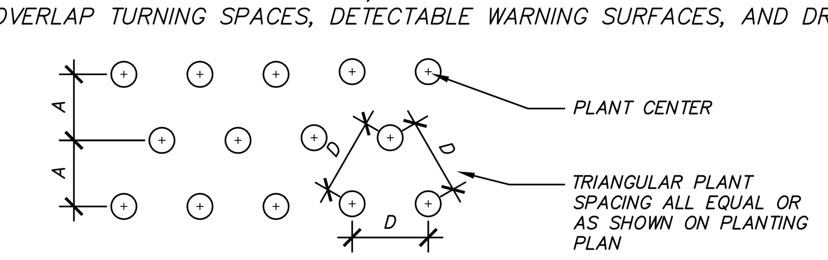


GRAVEL PAVEMENT DETAIL
(N.T.S.)



CURB RAMP CONFIGURATION: TYPE 9
MID BLOCK CROSSING OR T INTERSECTION
(N.T.S)

NOTES:
1. WHERE A CHANGE IN DIRECTION IS REQUIRED TO UTILIZE A CURB RAMP, A TURNING SPACE SHALL BE PROVIDED AT THE BASE OR THE TOP OF CURB RAMP AS APPLICABLE. TURNING SPACES SHALL BE PERMITTED TO OVERLAP CLEAR SPACES.
2. TURNING SPACES SHALL NOT BE DESIGNED WITH CROSS SLOPE GREATER THAN 1.5% IN ANY DIRECTION, WHILE PROVIDING POSITIVE DRAINAGE. THE MAXIMUM CROSS SLOPE FOR WORK ACCEPTANCE IS 2.0%. A NONSTANDARD FEATURE JUSTIFICATION IS REQUIRED WHERE TURNING SPACES EXCEED 2.0% IN ANY DIRECTION.
3. BEYOND THE BOTTOM GRADE BREAK, A CLEAR SPACE OF 4'-0" x 4'-0" MINIMUM SHALL BE PROVIDED WITHIN THE WIDTH OF THE PEDESTRIAN CROSSWALK, AND OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE. THE CLEAR SPACE MAY OVERLAP TURNING SPACES, DETECTABLE WARNING SURFACES, AND DROP CURBS.

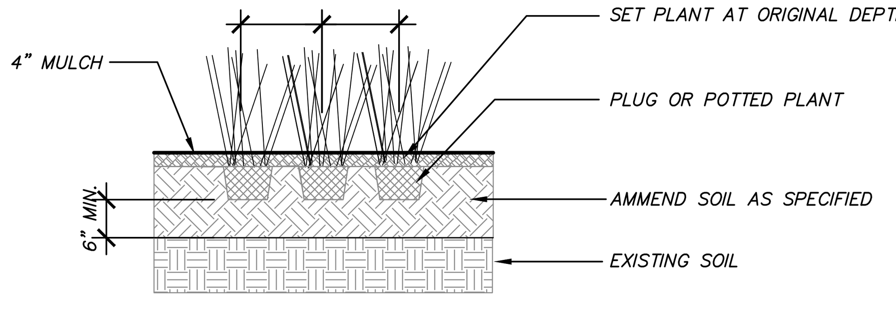


GRASS PLANT SPACING PLAN

SPACING "D"	ROW "A"	PLANTS PER SQ. FT.
24" O.C.	20.8"	0.29
18" O.C.	15.6"	0.50
12" O.C.	10.4"	1.15
10" O.C.	8.7"	1.66
8" O.C.	6.9"	2.60

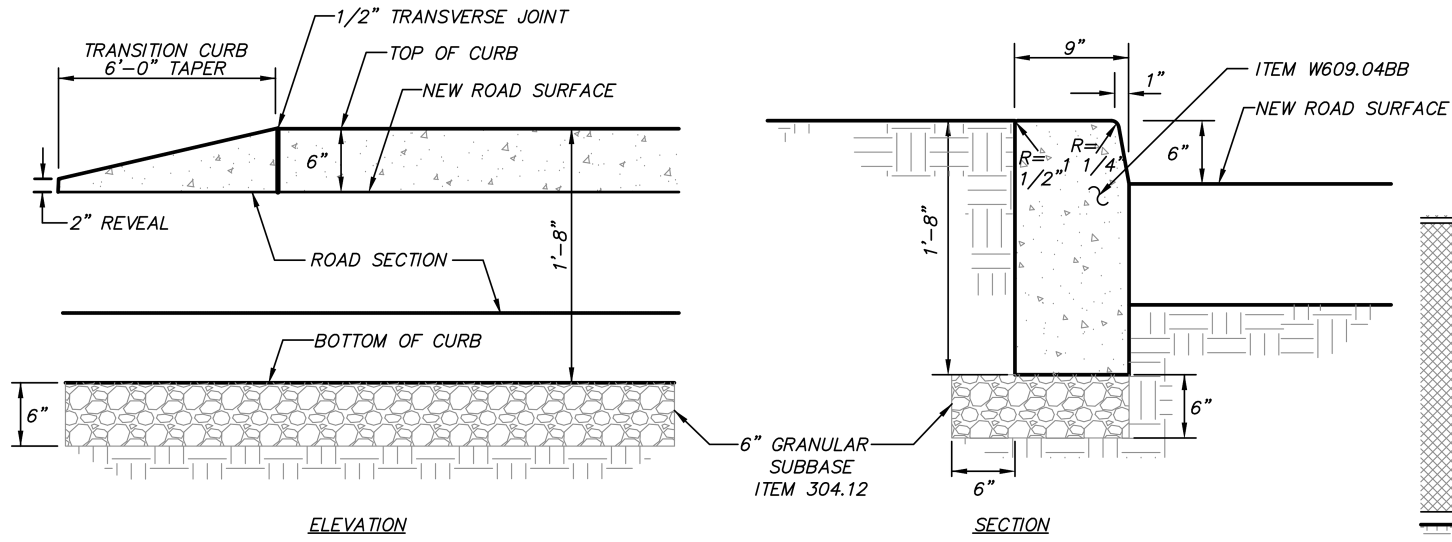
NOTES:
PLANT QUANTITIES WERE DETERMINED BY MULTIPLYING AREA (SQ. FT.) BY NUMBER OF PLANTS PER SQ. FT. FOR REQUIRED SPACING

QUANTITY OF PLANTS AND SPACING AS NOTED IN PLANTING SCHEDULE



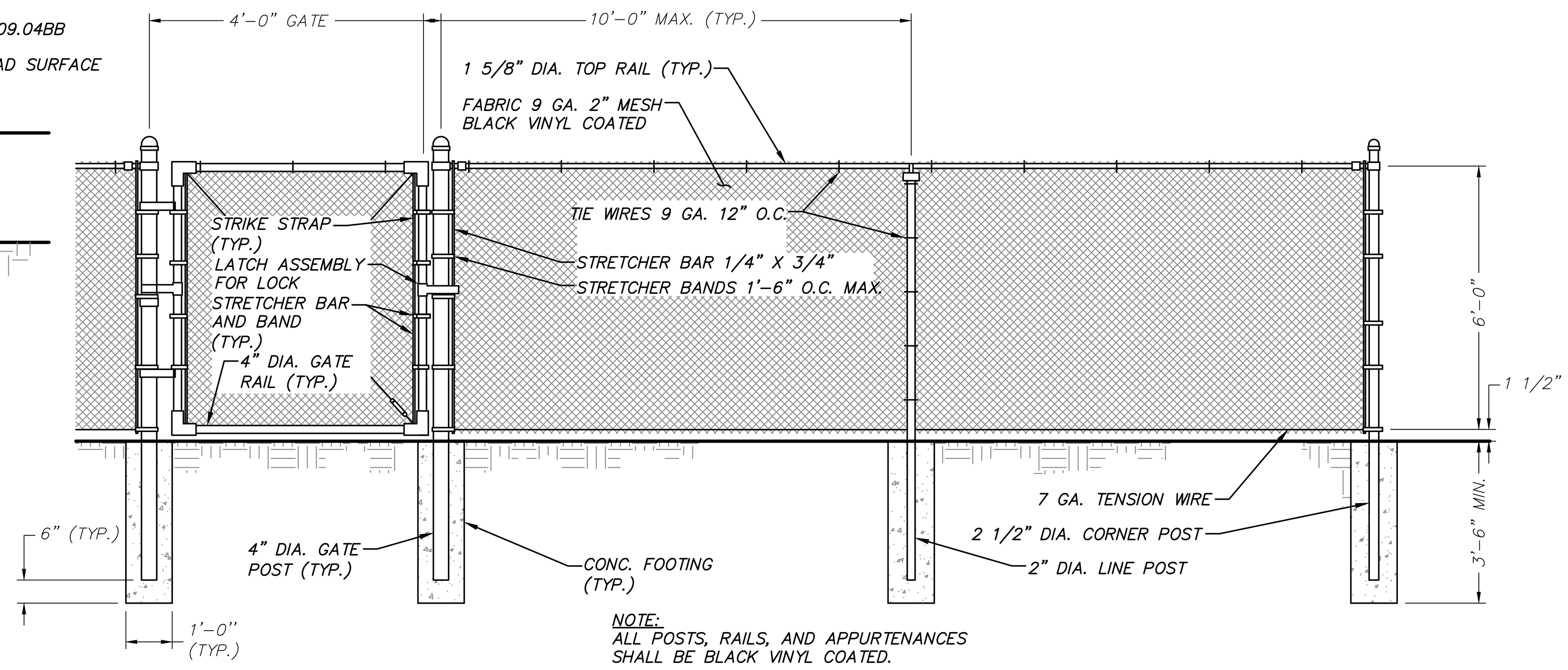
PERENNIAL / ORNAMENTAL GRASS PLANTING DETAIL
(N.T.S.)

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.



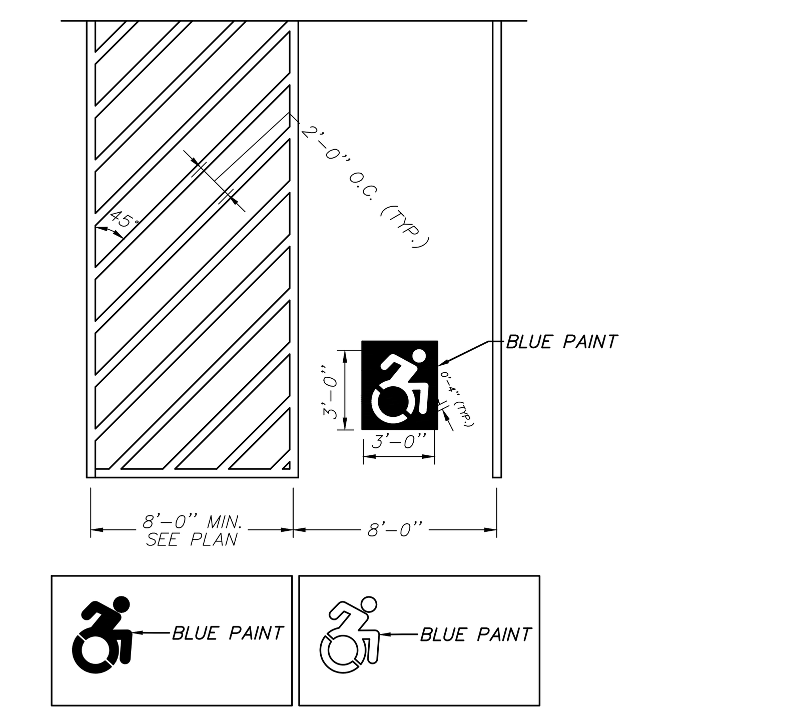
NOTE: TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 10'-0" APART AND SHALL BE FILLED WITH CELLULAR COMPRESSION MATERIALS AS SPECIFIED, RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB.

NYSDOT CONCRETE CURB DETAIL
(N.T.S.)



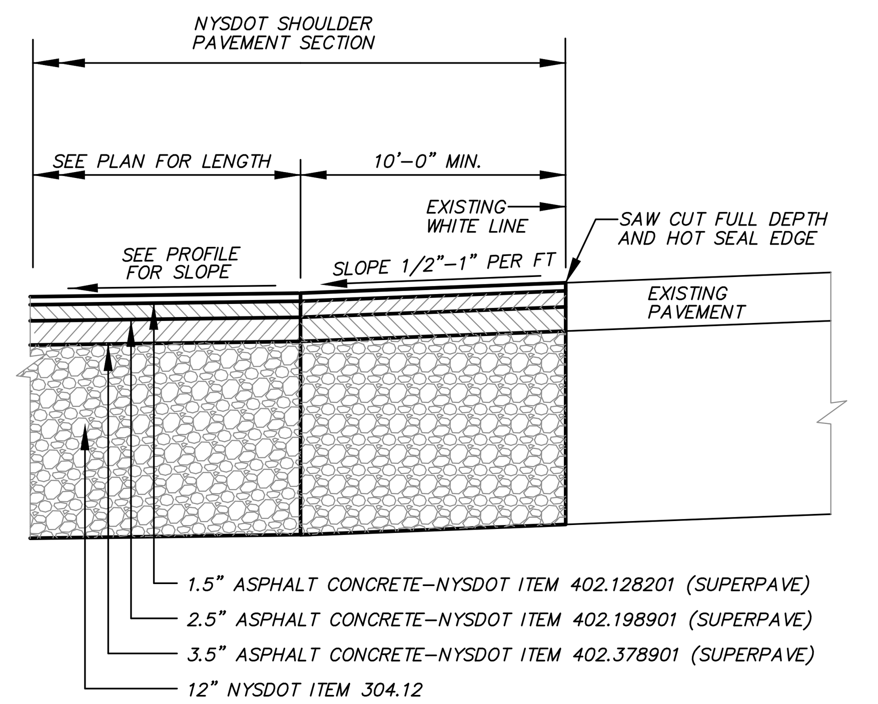
NOTE:
ALL POSTS, RAILS, AND APPURTENANCES SHALL BE BLACK VINYL COATED.

CHAIN LINK FENCE DETAIL
(N.T.S.)

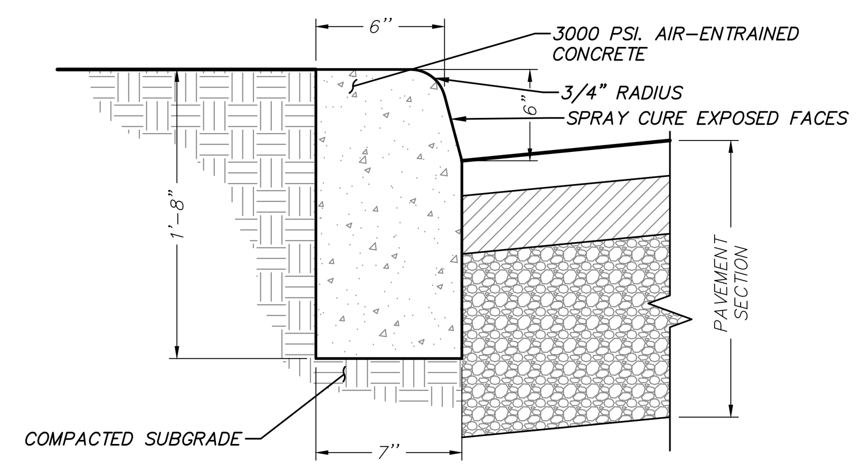


NOTE:
ALL HANDICAP STRIPING SHALL BE 4" WIDE BLUE PAINT.

PAINTED NYS ACCESSIBLE PARKING DETAIL
(N.T.S.)

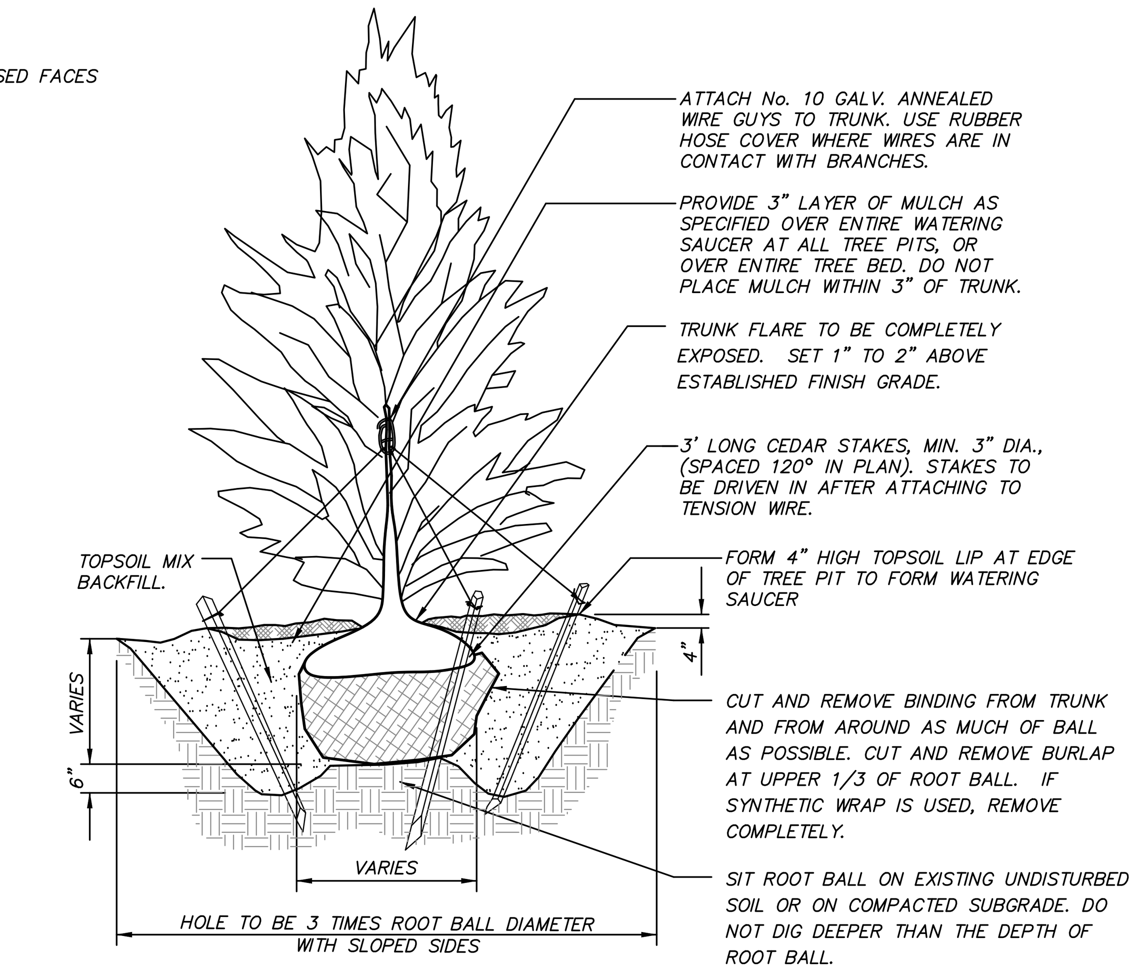


NYSDOT PAVEMENT SECTION DETAIL
(N.T.S)



NOTE:
ISOLATION JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20'-0" APART AND SHALL BE FILLED WITH CELLULAR COMPRESSION MATERIALS RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB.

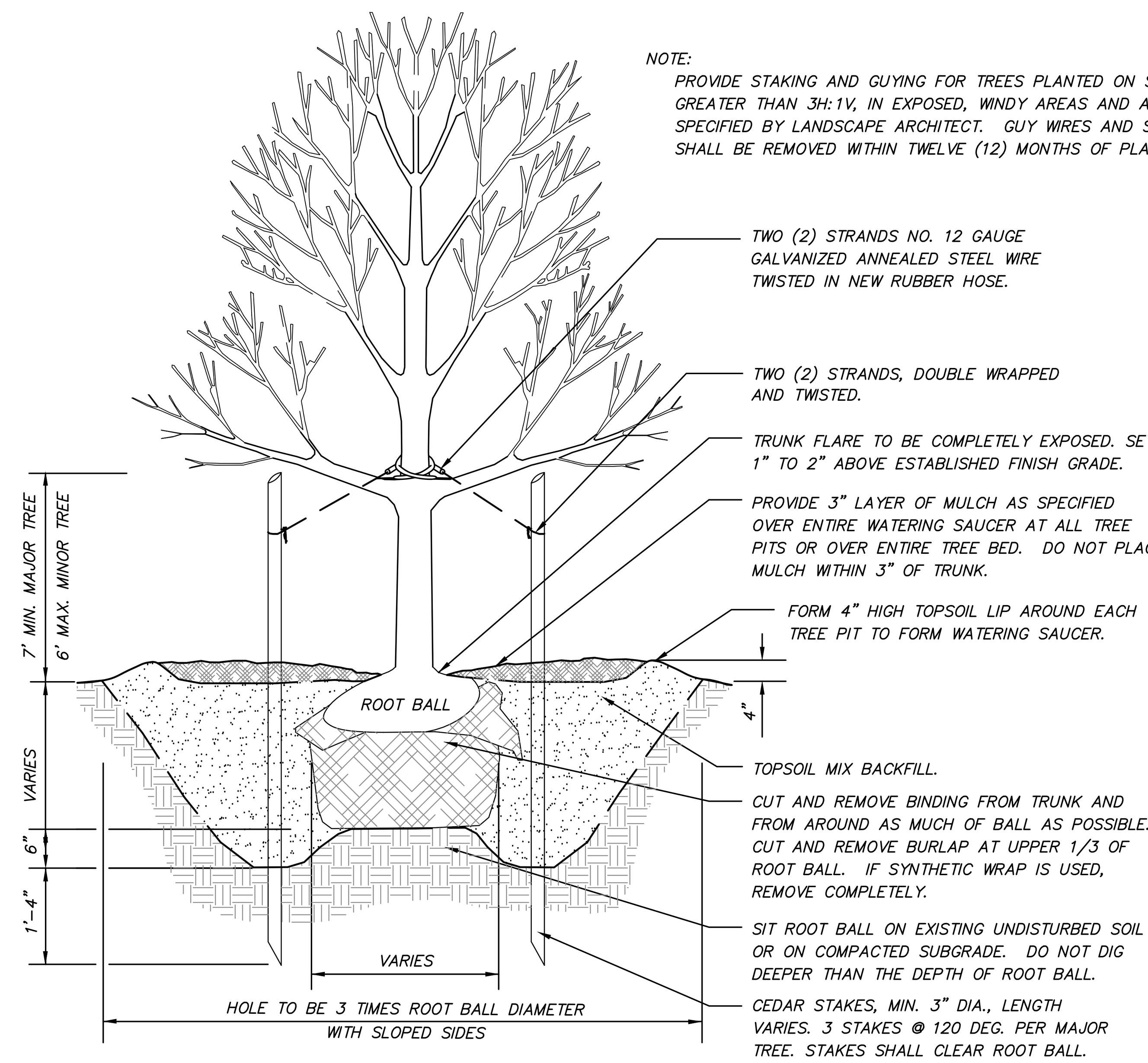
SITE CONCRETE CURB DETAIL
(N.T.S.)



NOTE:
PROVIDE STAKING AND GUYING FOR TREES PLANTED ON SLOPES GREATER THAN 3H:1V, IN EXPOSED, WINDY AREAS AND AS SPECIFIED BY LANDSCAPE ARCHITECT. GUY WIRES AND STAKES SHALL BE REMOVED WITHIN TWELVE MONTHS OF PLANTING.

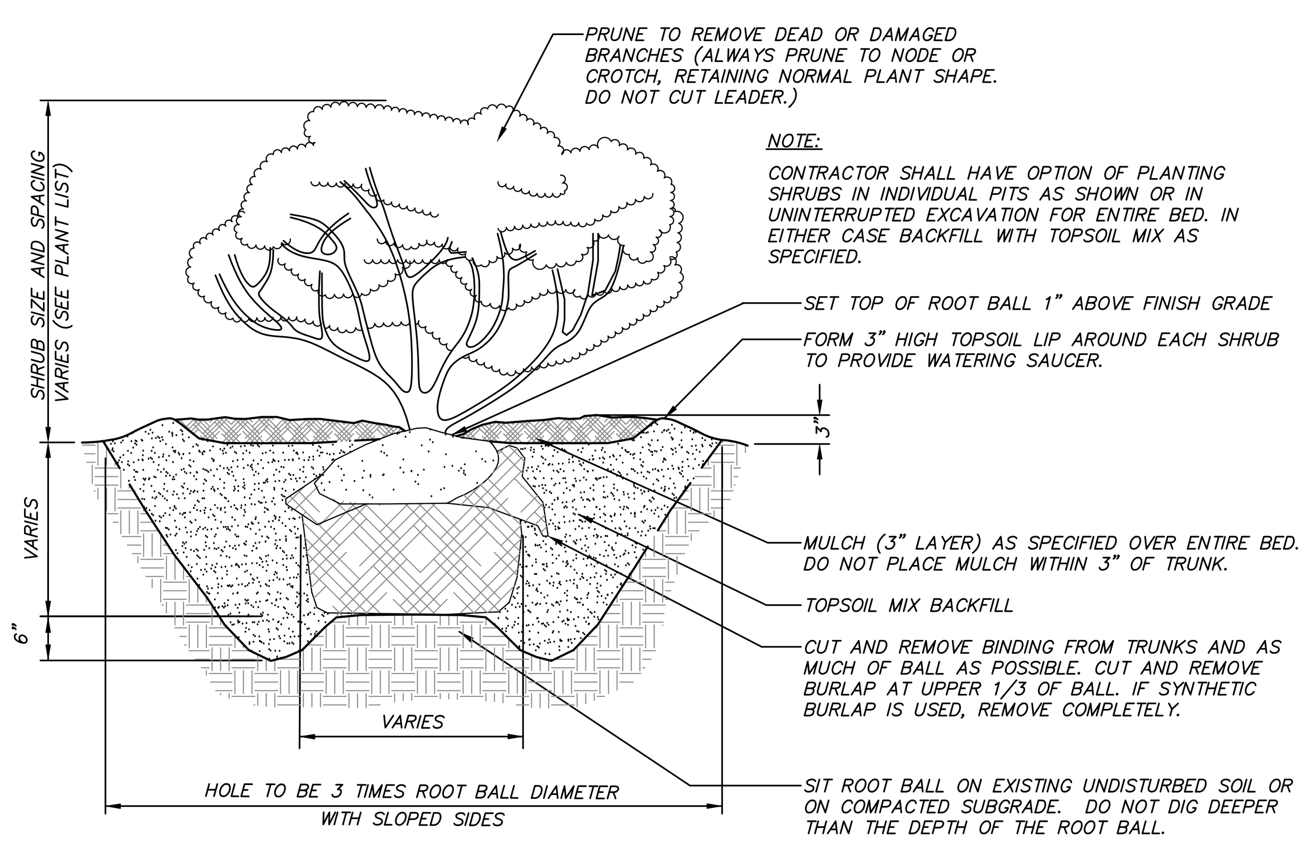
EVERGREEN TREE PLANTING DETAIL
(N.T.S.)

NOTE:
PROVIDE STAKING AND GUYING FOR TREES PLANTED ON SLOPES GREATER THAN 3H:1V, IN EXPOSED, WINDY AREAS AND AS SPECIFIED BY LANDSCAPE ARCHITECT. GUY WIRES AND STAKES SHALL BE REMOVED WITHIN TWELVE (12) MONTHS OF PLANTING.



TREE PLANTING DETAIL
(N.T.S.)

NOTE:
CONTRACTOR SHALL HAVE OPTION OF PLANTING SHRUBS IN INDIVIDUAL PITS AS SHOWN OR IN UNINTERRUPTED EXCAVATION FOR ENTIRE BED. IN EITHER CASE BACKFILL WITH TOPSOIL MIX AS SPECIFIED.



SHRUB PLANTING DETAIL
(N.T.S.)

GENERAL SITE SEEDING NOTES:

1. All proposed seeded areas to receive 4" min. depth of topsoil. Soil amendments and fertilizer application rates shall be determined based on specific testing of topsoil material.
2. Upon final grading and placement of topsoil and any required soil amendments, areas to receive permanent vegetation cover in combination with suitable mulch as follows:
   - select seed mixture per drawings and seeding notes.
   - fertilizer applied at the manufacturer's recommended rate using Lesco 10-0-18 (no phosphorous) fertilizer or equivalent.
   - mulch: salt hay or small grain straw applied at a rate of 90 lbs./1000 s.f. or 2 tons/acre, to be applied and anchored according to New York State Standards and Specifications for Erosion and Sediment Control, August 2005.
   - if the season prevents the establishment of a permanent vegetation cover, the disturbed areas will be mulched with straw or equivalent.
3. The seed mixes as specified on these drawings are as follows:
   A. Seed Mix for lawn areas and mow strip along roads at a rate of 100 lbs. per acre:

Kentucky Bluegrass	20%
Creeping Red Fescue	40%
Perennial Ryegrass	20%
Annual Ryegrass	20%

4. Seed Mix #2 for areas as shown on the drawings, including tops of berms and backslopes of embankments of stormwater basins at a rate of 25 lbs. per acre: New England Conservation/Wildlife Mix from New England Wetland Plants, Inc. of Amherst, MA.
5. Seed Mix #3 for areas as shown on the drawings in stormwater basins with no standing water at a rate of 18 lbs per acre: Erosion Control/ Restoration Mix for Detention Basins and Moist Sites from New England Wetland Plants, Inc. of Amherst MA.
6. Seed mixes to be planted between March 21 and May 20, or between August 15 and October 15 or as directed by project representative.
7. Mulch: Salt hay or small grain straw applied at a rate of 90 lbs./1000 S.F. or 2 tons/acre, to be applied and anchored according to "New York Standards and Specification For Erosion and Sediment Control," latest edition.
8. Grass seed mix may be applied by either mechanical or hydroseeding methods. Seeding shall be performed in accordance with the current edition of the "NYSDOT Standard Specification, Construction and Materials, Section 610-3.02, Method No. 1". Hydroseeding shall be performed using materials and methods as approved by the site engineer.

GENERAL PLANTING NOTES:

1. All proposed planting beds to receive a 12" min. depth of topsoil. Soil amendments and fertilizer application rates shall be determined based on specific testing of topsoil material.
2. Any new soils added will be amended as required by results of soil testing and placed using a method that will not cause compaction.
3. No fertilizer shall be added in stormwater basin plantings. Nutrient requirements to be met by incorporation of acceptable organic matter.
4. All plant material to be nursery grown.
5. Plants shall conform with ANSI Z60.1 American Standard for Nursery Stock in all ways including dimensions.
6. Plant material shall be taken from healthy nursery stock.
7. All plants shall be grown under climate conditions similar to those in the locality of the project.
8. Plants shall be planted in all locations designed on the plan or as staked in the field by the Landscape Architect.
9. The location and layout of landscape plants shown on the site plan shall take precedence in any discrepancies between the quantities of plants shown on the plans and the quantity of plants in the Plant List.
10. Provide a 3" layer of shredded pine bark mulch (or as specified) over entire watering saucer at all tree pits or over entire planting bed. Do not place mulch within 3" of tree or shrub trunks.
11. All landscape plantings shall be maintained in a healthy condition at all times. Any dead or diseased plants shall immediately be replaced "in kind" by the contractor (during warranty period) or project owner.

NO.	DATE	REVISION	BY
4	4-1-21	REVISED PER TOWN COMMENTS	ERA
3	2-4-21	REVISED PER TOWN COMMENTS	CBZ
2	12-3-20	REVISED PER TOWN COMMENTS	ERA
1	11-5-20	REVISED PER TOWN COMMENTS	ERA

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT:
3622 ROUTE 9 LLC
3622 ROUTE 9, TOWN OF PHILIPSTOWN, PUTNAM COUNTY, NEW YORK

DRAWING:
DETAILS

STATE OF NEW YORK · JOHN M. WATSON · No. 77950 · LICENSED PROFESSIONAL ENGINEER

PROJECT NUMBER	18156.100	PROJECT MANAGER	J.M.W.
DATE	10-1-20	DRAWN BY	E.R.A.
SCALE	AS NOTED	CHECKED BY	A.D.T.

DRAWING NO. D-1
SHEET 6 / 8

REQUIRED SWPPP CONTENTS PER GP-0-20-001:

1. Pursuant to the NYSDEC "SPDES General Permit for Stormwater Discharges from Construction Activity" (GP-0-20-001), all Stormwater Pollution Prevention Plan's (SWPPP) shall include erosion and sediment control practices designed in conformance with the most current version of the technical standard, "New York Standards and Specifications for Erosion and Sediment Control." Where erosion and sediment control practices are not designed in conformance with this technical standard, the owner or operator must demonstrate equivalence to the technical standard. The following list of required SWPPP components is provided in accordance with Part III.B.1a-l of General Permit GP-0-20-001:

   a. Background Information: The subject project consists of demolition of an existing building, construction of two new buildings and the expansion of a contractor's outdoor storage yard.

   b. Site map / construction drawing: These plans serve to satisfy this SWPPP requirement.

   c. Description of the soils present at the site: Onsite soils located within the proposed limits of disturbance consist of Riverhead loam (RhB) and Charlton fine sandy loam (ChB), as identified on the Soil Conservation Service Web Soil Survey. These soil types belong to the Hydrologic Soil Group "B" and "A."

   d. Construction phasing plan / sequence of operations: The Construction Sequence and phasing found on these plans provide the required phasing. A Construction Sequence and Erosion and Sediment Control Maintenance Schedule has been provided. The Sedimentation and Erosion Control Notes contained hereon outline a general sequence of operations for the proposed project. In general all erosion and sediment control facilities shall be installed prior to commencement with land disturbing activities, and areas of disturbance shall be limited to the shortest period of time as practicable.

   e. Description of erosion and sediment control practices: This plan, and details / notes shown hereon serve to satisfy this SWPPP requirement.

   f. Temporary and permanent soil stabilization plan: The Sedimentation and Erosion Control Notes and Details provided heron identify temporary and permanent stabilization measures to be employed with respect to specific elements of the project, and at the various stages of development.

   g. Site map / construction drawing: This plan serves to satisfy this SWPPP requirement.

   h. The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices: The details, Erosion and Sediment Control Notes, and Erosion and Sediment Control Maintenance Schedule serve to satisfy this SWPPP requirement.

   i. An inspection schedule: Inspections are to be performed once weekly and by a qualified professional as required by the General Permit GP-0-20-001. In addition the NYSDEC Trained Contractor shall perform additional inspections as cited in the Sedimentation and Erosion Control Notes.

   j. A description of pollution prevention measures that will be used to control litter, construction chemicals and construction debris: In general, all construction litter / debris shall be collected and removed from the site. The general contractor shall supply either waste barrels or dumpster for proper waste disposal. Any construction chemicals utilized during construction shall either be removed from site daily by the contractor or stored in a structurally sound and weatherproof building. No hazardous waste shall be disposed of onsite, and shall ultimately be disposed of in accordance with all federal, state and local regulations. Material Safety Data Sheets (MSDS), material inventory, and emergency contact numbers shall be maintained by the general contractor for all construction chemicals utilized onsite. Finally, temporary sanitary facilities (portable toilets) shall be provided onsite during the entire length of construction, and inspected weekly for evidence of leaking holding tanks.

   k. A description and location of any stormwater discharges associated with industrial activity other than construction at the site: There are no known industrial stormwater discharges present or proposed at the site.

   l. Identification of any elements of the design that are not in conformance with the technical standard, "New York Standards and Specifications for Erosion and Sediment Control." All proposed elements of this SWPPP have been designed in accordance with the "New York Standards and Specifications for Erosion and Sediment Control."

2. Pursuant to the NYSDEC "SPDES General Permit for Stormwater Discharges from Construction Activity" (GP-0-20-001), all construction projects needing post-construction stormwater management practices shall prepare a SWPPP that also includes practices designed in conformance with the most current version of the technical standard, New York State Stormwater Management Design Manual ("Design Manual"). Where post-construction stormwater management practices are not designed in conformance with this technical standard, the owner or operator must demonstrate equivalence to the technical standard. The following list of SWPPP components is provided in accordance with Part III.B.2a-f and III.B.3:

   a. Identification of all post-construction stormwater management practices to be constructed as part of the project; This plan, and details/notes shown hereon serve to satisfy this SWPPP requirement.

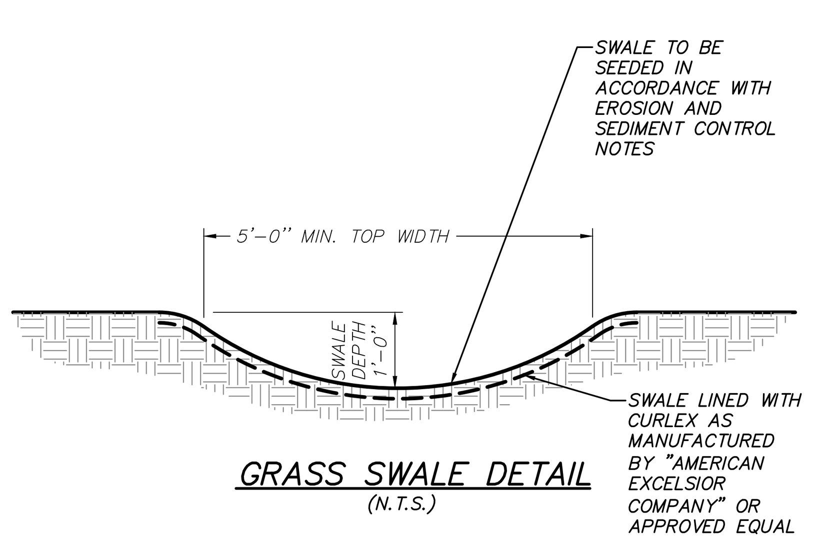
   b. A site map/construction drawing(s) showing the specific location and size of each post-construction stormwater management practice; This plan, and details/notes shown hereon serve to satisfy this SWPPP requirement.

   c. A Stormwater Modeling and Analysis Report including pre-development conditions, post-development conditions, the results of the stormwater modeling, a summary table demonstrating that each practice has been designed in conformance with the sizing criteria, identification of and justification for any deviations from the Design Manual, and identification of any design criteria that are not required. The required analysis is provided in the report titled Amended Stormwater Pollution Prevention Plan for 3622 Rt 9.

   d. Soil testing results and locations. This SWPPP requirement is provided in the report titled Amended Stormwater Pollution Prevention Plan for 3622 Rt 9.

   e. Infiltration testing results. This SWPPP requirement is provided in the report titled Amended Stormwater Pollution Prevention Plan for 3622 Rt 9.

   f. An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction stormwater management practice. The plan shall identify the entity that will be responsible for the long term operation and maintenance of each practice. The Permanent Stormwater Facilities Maintenance Schedule provided on these plans serves to satisfy this requirement.



GRASS SWALE DETAIL
(N.T.S.)

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

EROSION AND SEDIMENT CONTROL MAINTENANCE SCHEDULE

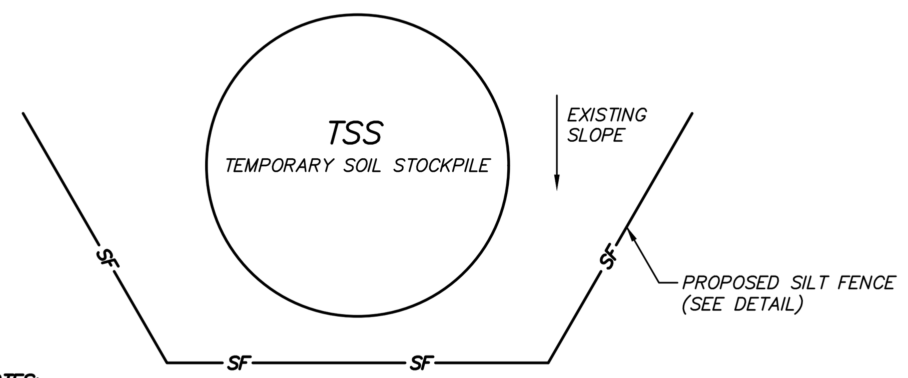
MONITORING REQUIREMENTS				MAINTENANCE REQUIREMENTS	
PRACTICE	DAILY	WEEKLY	AFTER RAINFALL	DURING CONSTRUCTION	AFTER CONSTRUCTION
SILT FENCE BARRIER	–	Inspect	Inspect	Clean/Replace	Remove
STABILIZED CONSTRUCTION ENTRANCE	Inspect	–	Inspect	Clean/Replace Stone and Fabric	Remove
DUST CONTROL	Inspect	–	Inspect	Mulching/ Spraying Water	N/A
*VEGETATIVE ESTABLISHMENT	–	Inspect	Inspect	Water/Reseed/ Remulch	Reseed to 80% Coverage
INLET PROTECTION	–	Inspect	Inspect	Clean/Repair/ Replace	Remove
SOIL STOCKPILES	–	Inspect	Inspect	Mulching/ Silt Fence Repair	Remove
SWALES	–	Inspect	Inspect	Clean/Mulch/ Repair	Mow Permanent Grass/Replace/ Repair Rip Rap
CONCRETE DRAINAGE STRUCTURES	–	Inspect	Inspect	Clean Sumps/ Remove Debris/ Repair/Replace	Clean Sumps/ Remove Debris/ Repair/Replace
DRAINAGE PIPES	–	Inspect	Inspect	Clean/Repair	Clean/Repair
ROAD & PAVEMENT	–	Inspect	Inspect	Clean	Clean
*STORMWATER TRAP/BASIN	–	Inspect	Inspect	Clean/Mulch/ Repair/Reseed	See Permanent Stormwater Facilities Maintenance Schedule on Drawing SP-3.1

* Permanent vegetation is considered stabilized when 80% of the plant density is established. Erosion control measures shall remain in place until all disturbed areas are permanently stabilized.

Note: The party responsible for implementation of the maintenance schedule during and after construction is:

3622 Route 9 LLC
108 Hudson Pointe Dr
Poughkeepsie, NY 12601

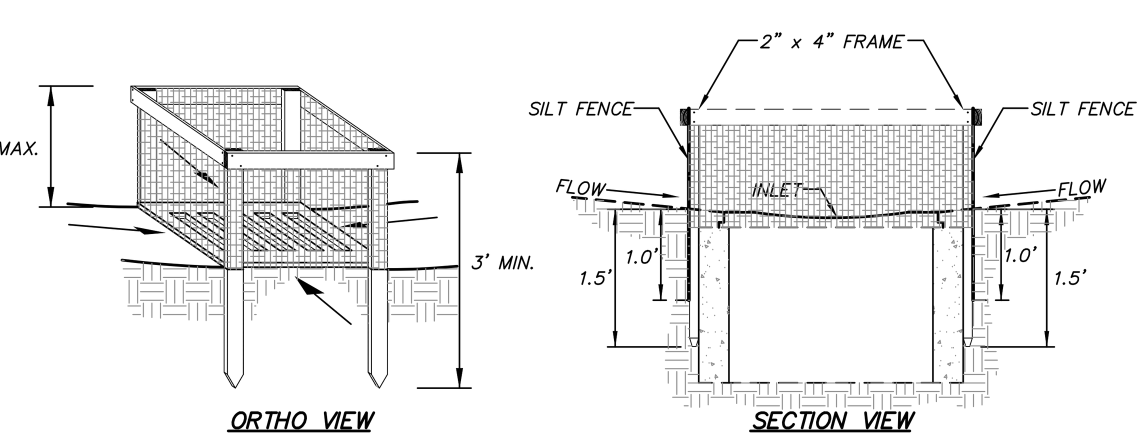
and/or the current owner(s) of the subject property.



NOTES:

1. AREA CHOSEN FOR STOCKPILE LOCATION SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE IMMEDIATELY SEEDED WITH K31 PERENNIAL TALL FESCUE.
4. ALL STOCKPILES SHALL BE PROTECTED WITH SILT FENCING INSTALLED ON THE DOWNGRADIENT SIDE.

TEMPORARY SOIL STOCKPILE DETAIL
(N.T.S.)

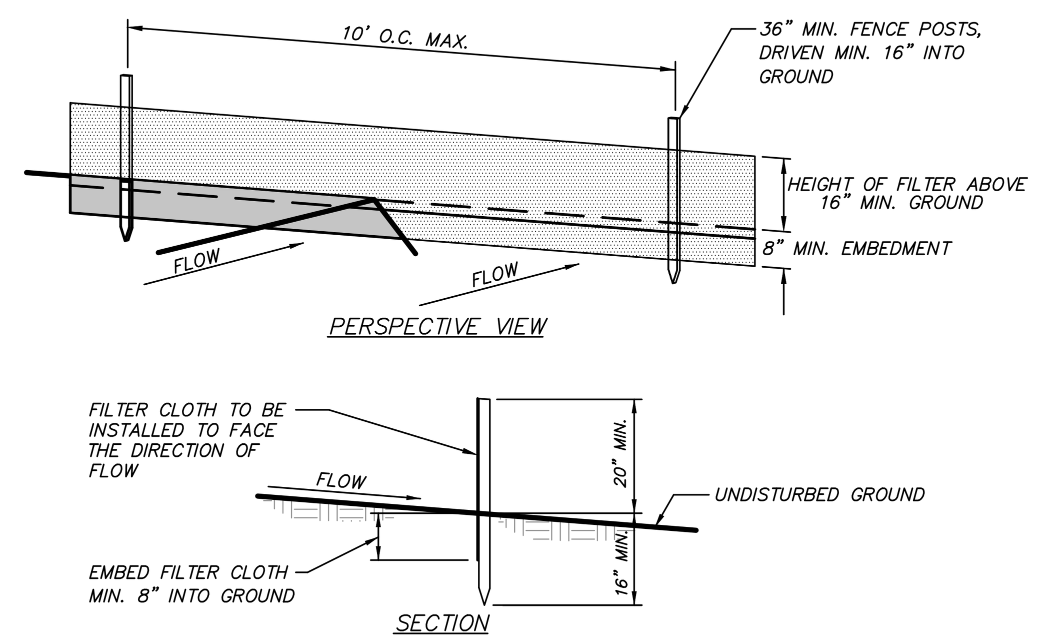


INSTALLATION NOTES

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAYBE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUM DRAINAGE AREA 1 ACRE

FILTER FABRIC INLET PROTECTION DETAIL
(N.T.S.)



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

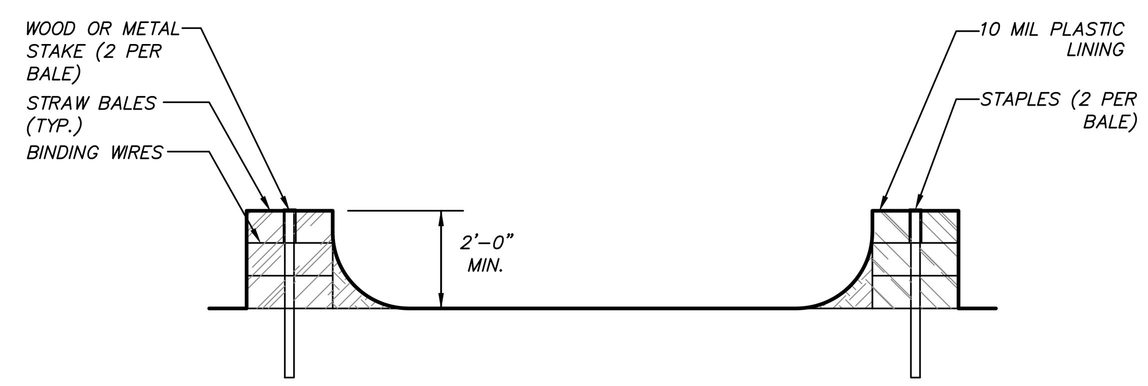
1. FILTER CLOTH TO BE FASTENED SECURELY TO POSTS AT TOP AND MID SECTION.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

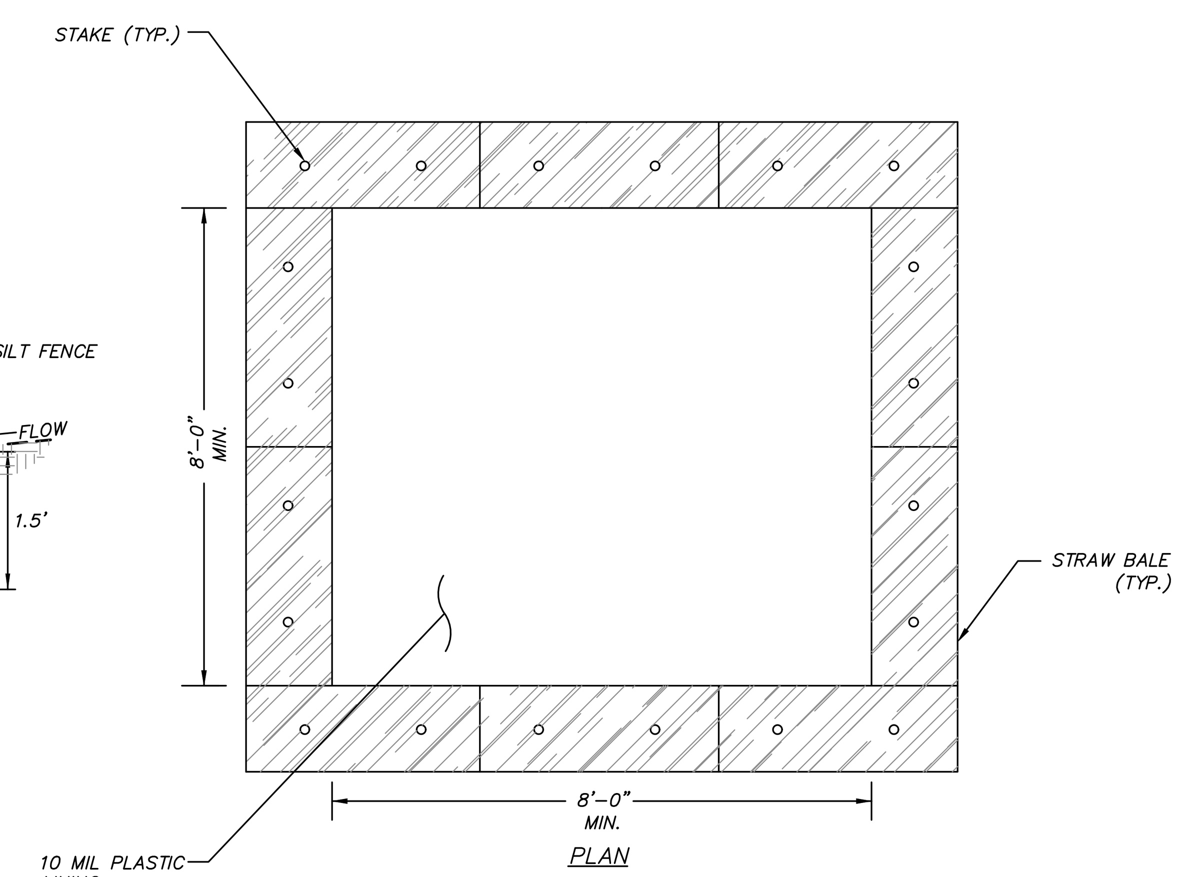
POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD

FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUAL

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

SILT FENCE DETAIL
(N.T.S.)

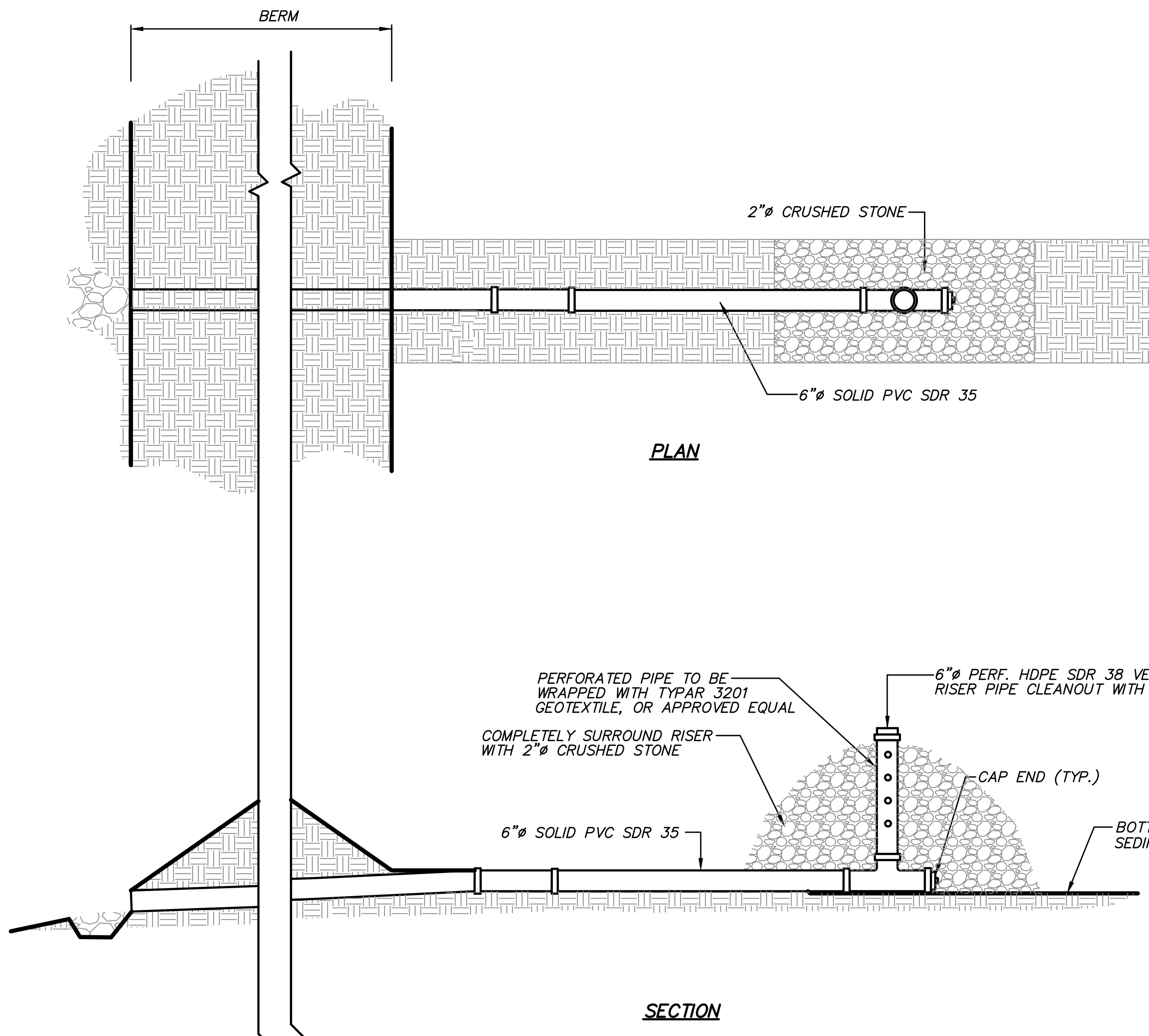




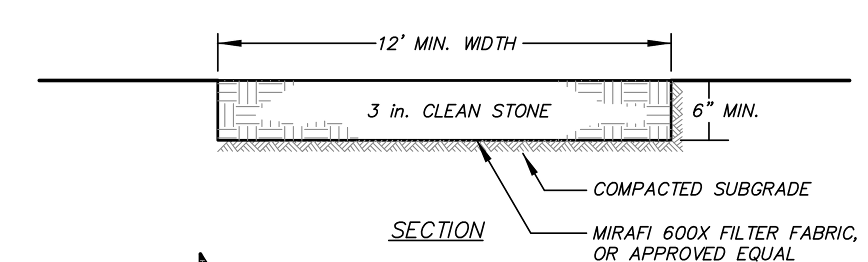
CONCRETE WASHOUT AREA DETAIL
(N.T.S.)

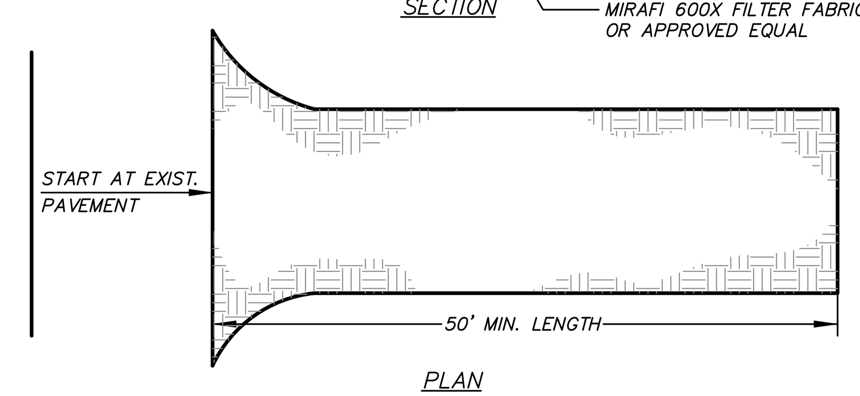
NOTES

1. TEMPORARY CONCRETE WASHOUT TYPE ABOVE GRADE WILL BE CONSTRUCTED AS SHOWN ABOVE, WITH RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 8 FT.
2. THE WASHOUT WILL BE MINIMUM OF 100 FT FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATERS.
3. PLASTIC LINING WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.



TEMPORARY SEDIMENT TRAP TEMPORARY OUTLET PIPE DETAIL
(N.T.S.)

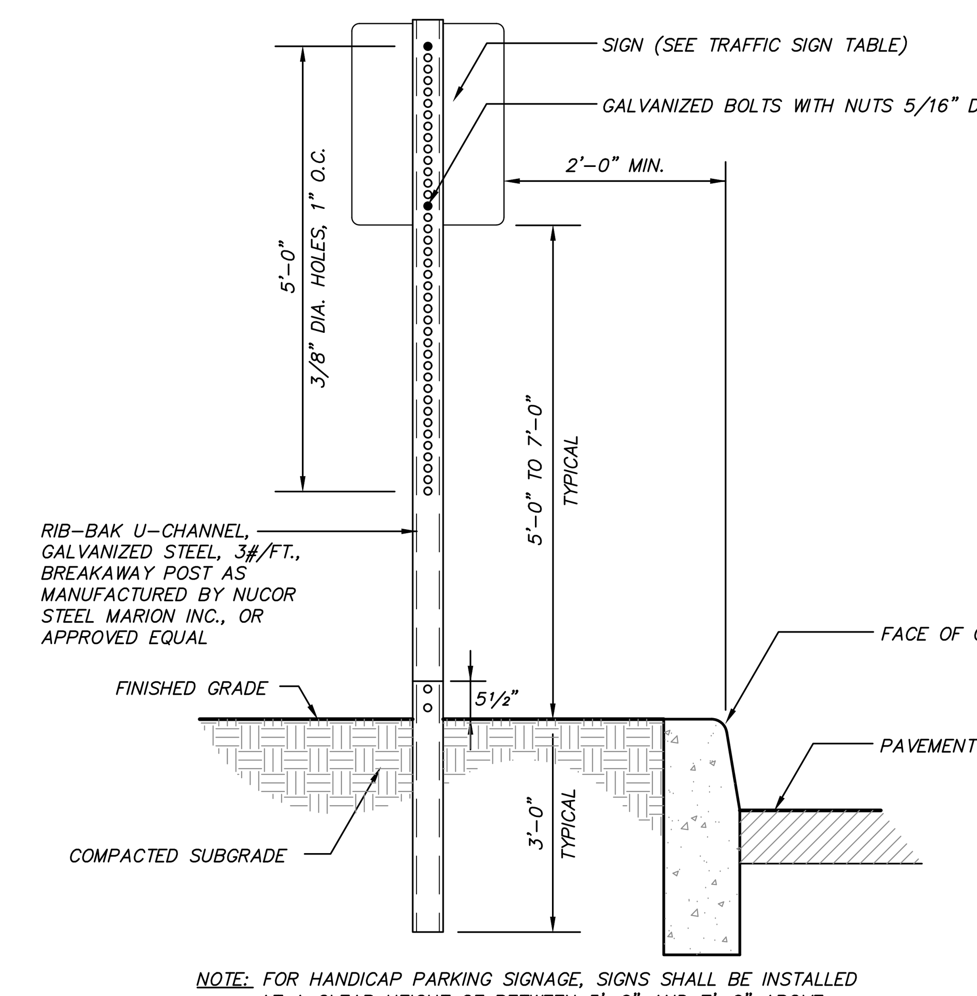




INSTALLATION NOTES

1. STONE SIZE – USE 3" STONE
2. LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.)
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE DETAIL
(N.T.S.)



NOTE: FOR HANDICAP PARKING SIGNAGE, SIGNS SHALL BE INSTALLED AT A CLEAR HEIGHT OF BETWEEN 5'-0" AND 7'-0" ABOVE GRADE OF PARKING SPACE AND SUCH THAT SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.

TRAFFIC SIGN DETAIL
(N.T.S.)

NO.	DATE	REVISION	BY
4	4-1-21	REVISED PER TOWN COMMENTS	ERA
3	2-4-21	REVISED PER TOWN COMMENTS	CBZ
2	12-3-20	REVISED PER TOWN COMMENTS	ERA
1	11-5-20	REVISED PER TOWN COMMENTS	ERA

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT:

3622 ROUTE 9 LLC

3622 ROUTE 9, TOWN OF PHILIPSTOWN, PUTNAM COUNTY, NEW YORK

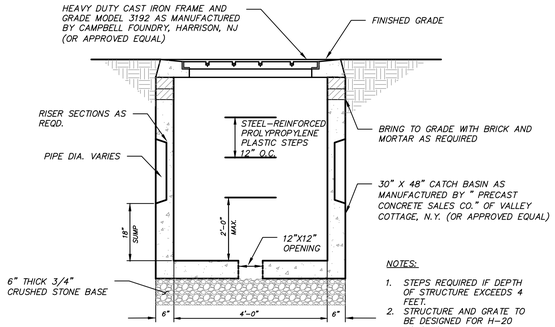
DRAWING:

DETAILS

STATE OF NEW YORK · JOHN M. WATSON · No. 77950 · LICENSED PROFESSIONAL ENGINEER

PROJECT NUMBER	18156.100	PROJECT MANAGER	J.M.W.	DRAWING NO.	SHEET
DATE	10-1-20	DRAWN BY	E.R.A.	D-2	7 / 8
SCALE	AS NOTED	CHECKED BY	A.D.T.		

Z:\E\18156100 Downey-Philipstown\Misc Drawing Files\210329Alternative\07 D-2_alt.dwg, 4/1/2021 10:47:05 AM, eappelgren, 1:1

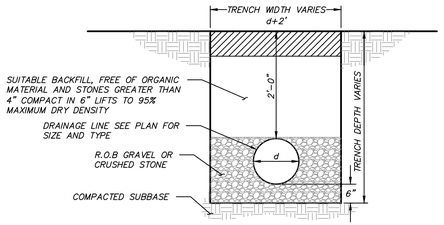


NOTES:

1. STEPS REQUIRED IF DEPTH OF STRUCTURE EXCEEDS 4 FEET.
2. STRUCTURE AND GRATE TO BE DESIGNED FOR H-20 LOADING.

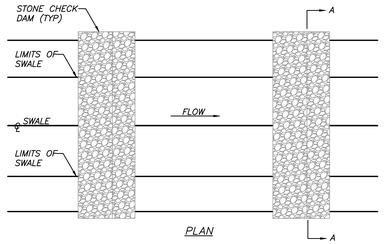
DRAIN INLET DETAIL

(N.T.S.)

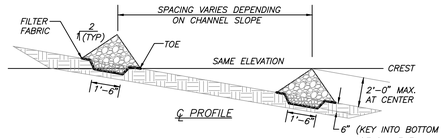


DRAINAGE LINE TRENCH DETAIL

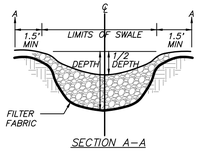
(N.T.S.)



PLAN



℄ PROFILE



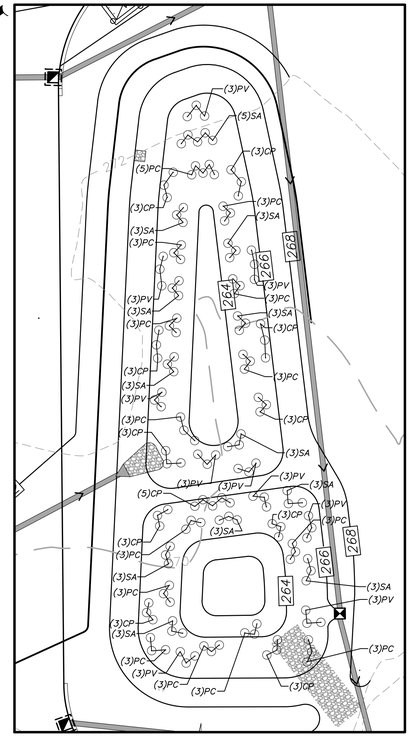
SECTION A-A

NOTES:

1. STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION.
2. SET SPACING OF CHECK DAMS SO THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.

STONE CHECK DAM DETAIL

(N.T.S.)



STORMWATER BASIN AQUATIC BENCH PLANTINGS

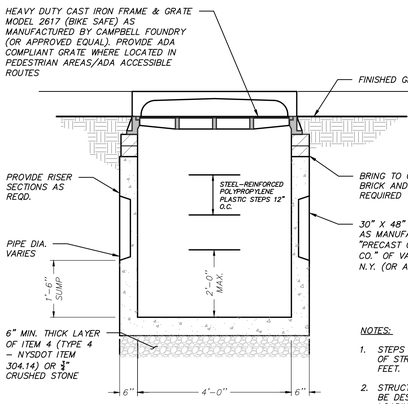
GRAPHIC SCALE

0 10 20 40

(IN FEET)
1 inch = 20 ft.

PLANT LIST

		PERENNIALS/GROUND COVERS	
35	CP	Carex pensylvanica / Pennsylvania Sedge	#1 CONT./18" O.C.
41	PC	Pontederia cordata / Pickerelweed	#1 CONT./18" O.C.
30	PV	Panicum virgatum / Switchgrass	#1 CONT./18" O.C.
41	SA	Schoenoplectus acutus / Hard Stem Bulrush	#1 CONT./18" O.C.

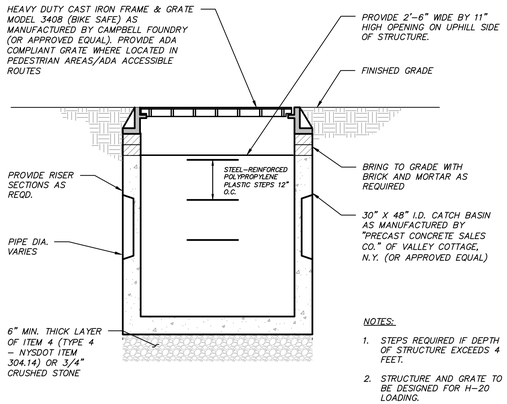


NOTES:

1. STEPS REQUIRED IF DEPTH OF STRUCTURE EXCEEDS 4 FEET.
2. STRUCTURE AND GRATE TO BE DESIGNED FOR H-20 LOADING.

30" X 48" CATCH BASIN DETAIL

(N.T.S.)

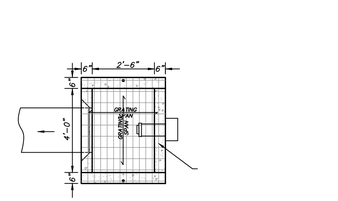


NOTES:

1. STEPS REQUIRED IF DEPTH OF STRUCTURE EXCEEDS 4 FEET.
2. STRUCTURE AND GRATE TO BE DESIGNED FOR H-20 LOADING.

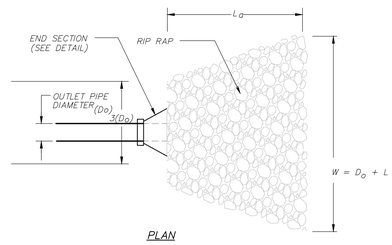
SIDE DRAIN INLET DETAIL

(N.T.S.)

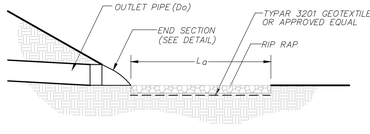


PLAN

ELEVATION



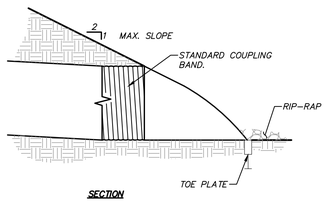
PLAN



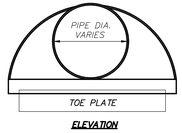
SECTION

VELOCITY DISSIPATOR DETAIL

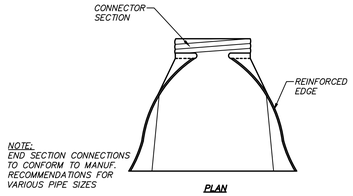
(N.T.S.)



SECTION



ELEVATION

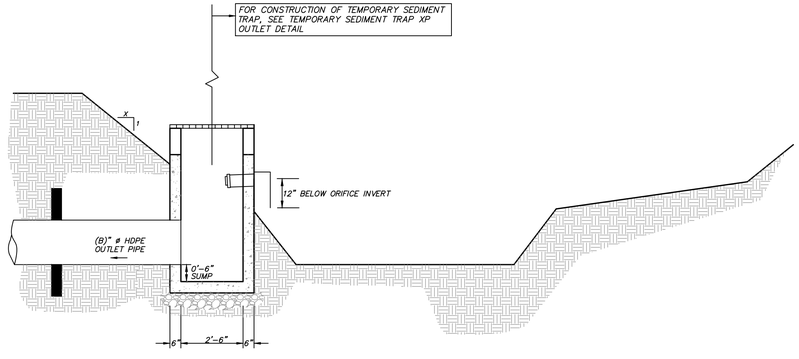


NOTE:
END SECTION CONNECTIONS TO CONFORM TO MANUF. RECOMMENDATIONS FOR VARIOUS PIPE SIZES

PLAN

END SECTION DETAIL

(N.T.S.)



SECTION

PERMANENT STORMWATER OUTLET STRUCTURE DETAIL

(N.T.S.)

NO.	DATE	REVISION	BY
3	4-1-21	REVISED PER TOWN COMMENTS	ERA
2	2-4-21	REVISED PER TOWN COMMENTS	CBZ
1	12-3-20	REVISED PER TOWN COMMENTS	ERA

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT:
3622 ROUTE 9 LLC
3622 ROUTE 9, TOWN OF PHILIPSTOWN, PUTNAM COUNTY, NEW YORK

DRAWING:
DETAILS

STATE OF NEW YORK JOHN M. WATSON LICENSED PROFESSIONAL ENGINEER NO. 77930

PROJECT NUMBER	18156.100	PROJECT MANAGER	J.M.W.
DATE	11-5-20	DRAWN BY	E.R.A.
SCALE	AS NOTED	CHECKED BY	A.D.T.

DRAWING NO. D-3
SHEET 8 / 8

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

Z:\E\18156000 Downey Philipstown\Misc Drawing Files\200329 Alternative\08 D-3_dtl.dwg, 4/2/2021 11:37:19 AM, eappelgren, 1:1