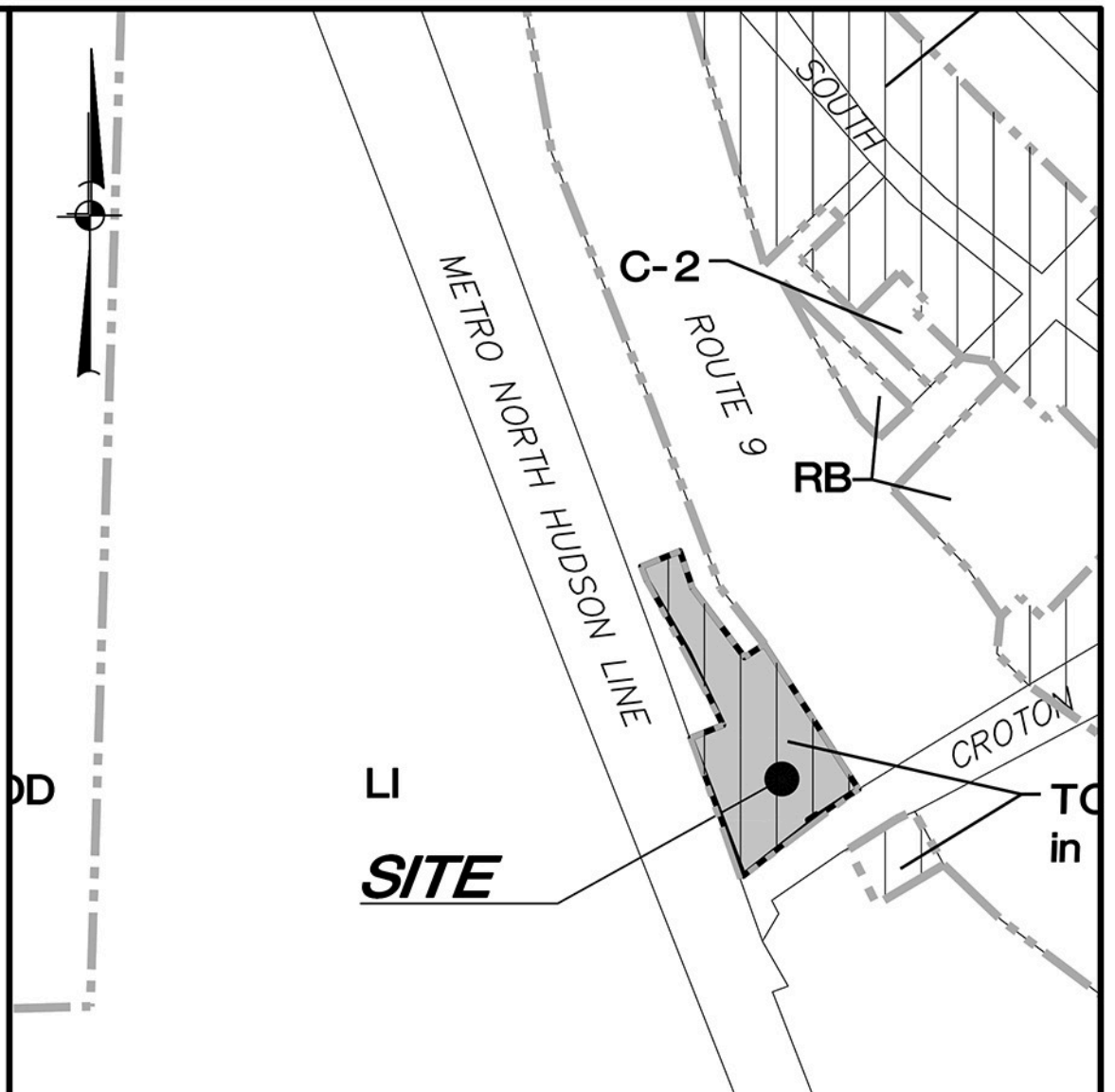




LOCATION MAP SCALE: 1" = 500'±

OWNER (LOTS 3&5):
VILLAGE OF CROTON-ON-HUDSON
1 VAN WYCK STREET
CROTON-ON-HUDSON, NY 10520

OWNER (LOT 4):
CROTON POINT REALTY, INC.
1 CROTON POINT AVE.
CROTON-ON-HUDSON, NY 10520

SPONSOR / DEVELOPER:
WBP DEVELOPMENT, LLC
480 BEDFORD ROAD
CHAPPAQUA, NY 10244-1215

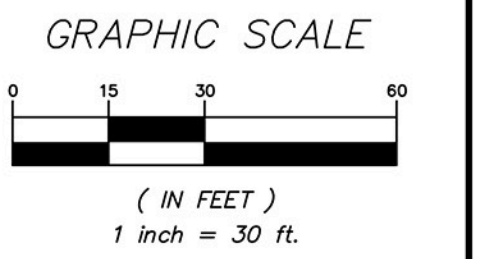
SITE DATA:
Zone: U-Light Industrial with a
TOD-Transit-oriented
Development Overlay
Total Acreage: 1.7578 AC.±
Tax Map Nos.:
1. 79.17-1-3 0.2205 AC.±
2. 79.17-1-4 0.2884 AC.±
3. 79.17-1-5 1.2489 AC.±

GENERAL NOTES:

- Property lines, existing conditions and topography shown hereon field located by Insite Engineering, Surveying & Landscape Architecture, P.C. Topographic datum is NAVD 1986.
- Aerial orthomage shown hereon is taken from Google Earth Pro, dated May 10, 2023.

LEGEND	
	EXISTING PROPERTY LINE
	EXISTING GUIDE RAIL
	EXISTING CHAIN LINK FENCE
	EXISTING POST & RAIL FENCE
	EXISTING CURB
	EXISTING SIGN
	PROPOSED CONCRETE CURB

DRAWING LIST:		
SHEET	DRAWING NO.	DRAWING NAME:
1	OP-1	OVERALL SITE PLAN
2	EX-1	EXISTING CONDITIONS & REMOVALS PLAN
3	SP-1	LAYOUT & LANDSCAPE PLAN
4	SP-2	GRADING & UTILITIES PLAN
5	SP-3	EROSION & SEDIMENT CONTROLS PLAN
6	LP-1	PHOTOMETRIC LIGHTING PLAN
7	D-1	DETAILS
8	D-2	DETAILS
9	D-3	DETAILS
10	GR-1	GEOTECHNICAL INSPECTION REPORTS



4	3-26-25	REVISED PER VILLAGE COMMENTS	BDZ
3	2-26-25	REVISED PER VILLAGE COMMENTS	NFB
2	9-24-24	REVISED PER VILLAGE COMMENTS	NFB
1	8-1-24	REVISED PER VILLAGE COMMENTS	TSM
NO.	DATE	REVISION	BY

INSITE
ENGINEERING, SURVEYING &
LANDSCAPE ARCHITECTURE, P.C.

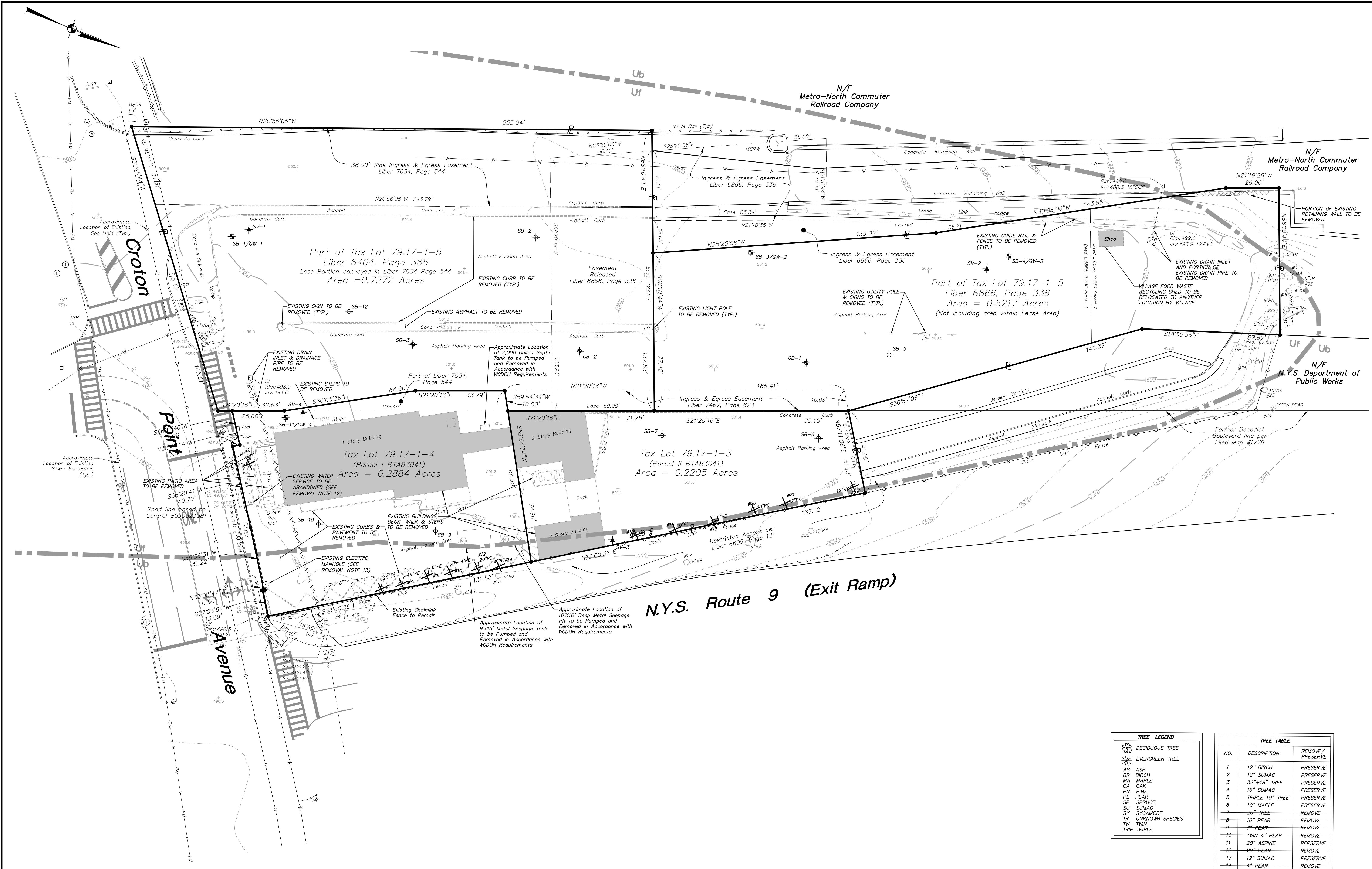
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT:
1 CROTON POINT
CROTON POINT AVE. & VETERANS PLAZA, VILLAGE OF
CROTON-ON-HUDSON, WESTCHESTER CO., NY

DRAWING:
OVERALL PLAN

PROJECT NUMBER	24154.100	PROJECT MANAGER	R.D.W.
DATE	7-11-24	DRAWN BY	M.E.U.
SCALE	1" = 30'	CHECKED BY	D.L.M.

DRAWING NO. **OP-1** SHEET 1 OF 10



LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING GUIDE RAIL
- EXISTING CHAIN LINK FENCE
- EXISTING POST & RAIL FENCE
- EXISTING CURB
- EXISTING SIGN
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING TRAFFIC SIGNAL POLE WITH ARM
- EXISTING LIGHT POLE
- EXISTING TRAFFIC SIGNAL BOX
- EXISTING UNDERGROUND DRAINAGE PIPE
- EXISTING CATCH BASIN
- EXISTING WATER VALVE
- EXISTING GAS VALVE
- EXISTING BUILDING TO BE REMOVED
- EXISTING TREE TO BE REMOVED

SOILS LEGEND

SOILS	DESCRIPTION	HYDROLOGICAL GROUP
Ub	Udorthents, smoothed	B
Uf	Urban Land	

NRCS Soil Boundary Line

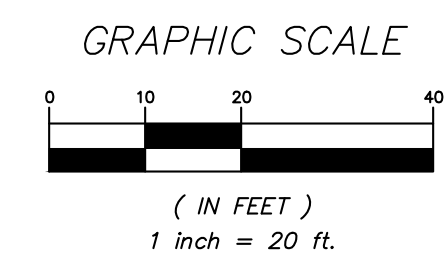
- GENERAL NOTES:**
- Location of existing sewer force main shown hereon along Croton Point Avenue is approximate and obtained from a drawing titled "Croton Point Landfill Leachate Collection System" prepared by Gibbs & Hill Inc., dated May 10th, 1991, and is shown in design location.
 - Location of existing water service shown hereon in Metro North Rail-Road Easement is approximate and obtained from a survey titled "Boundary Survey North of Croton Station" prepared by Welsh Engineering & Land Surveying, P.C., dated August 9, 2017.
 - See Utility Notes for contractor requirements on existing utility markout prior to construction.
- REMOVAL NOTES**
- All existing utilities shall be marked out prior to the start of construction.
 - Prior to submitting the bid, the contractor shall visit the site and familiarize themselves with the site conditions and existing improvements to be removed.
 - The contractor shall provide all removals incidental and necessary to execute the work prescribed in the contract documents. All existing features specified to be removed shall be removed in their entirety unless otherwise authorized in writing by the owner or the project engineer.
 - These drawings are intended to show an overall Limit of Disturbance and general features to be removed. Not all features incidental to the general scope of the site work have been shown to be removed. The contractor shall be responsible for all removals within the limits of both above and below grade features, necessary for the construction of the site improvements shown hereon.
 - Refer to construction sequence for sequence of utility removal and replacement.
 - All underground utility piping (water, sewer, drainage conduits) shall be capped and abandoned in place. All abandoned pipes left in place shall be filled with controlled low strength material (CLSM) sealing both ends. Any exposed utility piping shall be cut and removed such that a minimum of 1' of soil cover is maintained on all pipes that are to be capped and abandoned in place.
 - All building materials shall be demolished and removed from the site.
 - Burying of any demolished building materials on site is prohibited. Building foundations may be crushed and abandoned, filled in and restored in accordance with the project specifications.
 - All septic tanks shall be located prior to the start of demolition. All septic tanks shall be pumped by a licensed septic effluent hauler and disposed of in accordance with all pertinent regulations. The tanks shall then be crushed and abandoned in place. Septic tanks also include grease traps, manholes, dosing tanks and chlorine contact tanks.
 - For any below grade slab or bottom of tank that is to be demolished and abandoned in place, the concrete shall be pulverized so that there are no pieces of concrete remaining that are larger than 3 ft by 3 ft.
 - Remove existing electrical wiring and conduit back to the source panel.
 - Corporation stop shall be closed, the service line removed, and the corporation stop capped.
 - Contractor shall coordinate with Con Edison to potentially use existing electric service to site as temporary power for construction, and further coordinate with Con Edison for permanent removal.

TREE LEGEND

DECIDUOUS TREE
AS BIRCH
BR BIRCH
MA MAPLE
OK OAK
PN PINE
PE PEAR
SP SPRUCE
SU SUMAC
SY SYCAMORE
TR UNKNOWN SPECIES
TM TRIN
TRIP TRIPLE

TREE TABLE

NO.	DESCRIPTION	REMOVE/PRESERVE
1	12" BIRCH	PRESERVE
2	12" SUMAC	PRESERVE
3	32" 818" TREE	PRESERVE
4	16" SUMAC	PRESERVE
5	TRIPLE 10" TREE	PRESERVE
6	10" MAPLE	PRESERVE
7	20" TREE	REMOVE
8	16" PEAR	REMOVE
9	8" PEAR	REMOVE
10	TRIN 4" PEAR	REMOVE
11	20" ASPINE	PRESERVE
12	20" PEAR	REMOVE
13	12" SUMAC	PRESERVE
14	4" PEAR	REMOVE
15	22" PEAR	REMOVE
16	10" PEAR	REMOVE
17	16" MAPLE	PRESERVE
18	16" PEAR	REMOVE
19	18" MAPLE	PRESERVE
20	10" PEAR	REMOVE
21	12" PEAR	REMOVE
22	12" MAPLE	PRESERVE
23	12" SYCAMORE	REMOVE
24	20" PINE	PRESERVE
25	10" OAK	PRESERVE
26	18" OAK	PRESERVE
27	6" PINE	PRESERVE
28	6" PINE	PRESERVE
29	4" MAPLE	PRESERVE
30	4" OAK	PRESERVE
31	28" OAK	PRESERVE
32	10" MAPLE	PRESERVE
33	6" TREE	PRESERVE
34	32" OAK	PRESERVE



3	2-26-25	REVISED PER VILLAGE COMMENTS	NFB
2	9-24-24	REVISED PER VILLAGE COMMENTS	NFB
1	8-1-24	REVISED PER VILLAGE COMMENTS	TSM
NO.	DATE	REVISION	BY

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ENGINEERING, SURVEYING &
LANDSCAPE ARCHITECTURE, P.C.

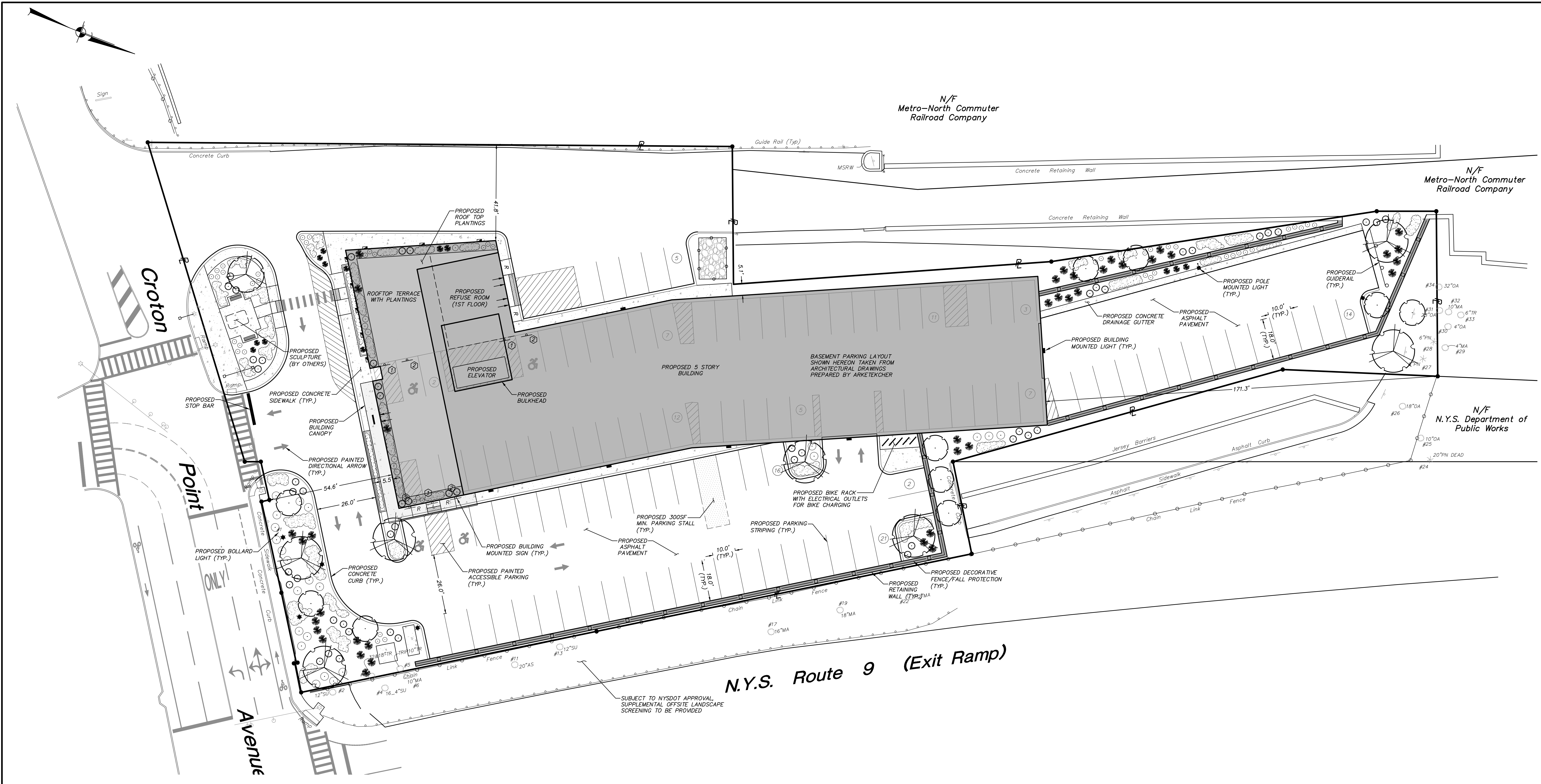
PROJECT:
1 CROTON POINT
CROTON POINT AVE. & VETERANS PLAZA, VILLAGE OF CROTON-ON-HUDSON, WESTCHESTER CO., NY.

DRAWING:
EXISTING CONDITIONS & REMOVALS PLAN

PROJECT NUMBER 24154.100	PROJECT MANAGER 7-11-24	R.D.W.	DRAWING NO. EX-1	SHEET 2
DATE 7-11-24	DRAWN BY	M.E.U.		
SCALE 1" = 20'	CHECKED BY	D.L.M.		10

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www.insite-eng.com

STATE OF NEW YORK
RICHARD D. WILLIAMS
Professional Engineer
No. 135888



LEGEND

- EXISTING PROPERTY LINE
- EXISTING GUIDE RAIL
- EXISTING CHAIN LINK FENCE
- EXISTING POST & RAIL FENCE
- EXISTING CURB
- EXISTING SIGN
- EXISTING TRAFFIC SIGNAL POLE WITH ARM
- PROPOSED # OF STALLS TO BE STRIPED
- PROPOSED CONCRETE CURB
- PROPOSED EDGE OF SIDEWALK
- PROPOSED PAINTED CROSSWALK
- PROPOSED PAINTED STOPBAR
- PROPOSED PAINTED DIRECTIONAL ARROW
- PROPOSED PAINTED HANDICAP PARKING SYMBOL
- PROPOSED STRIPED ISLAND
- PROPOSED LOADING SPACE
- PROPOSED SINGLE POLE SIGN
- PROPOSED POLE MOUNTED LIGHT
- PROPOSED BUILDING MOUNTED LIGHT
- PROPOSED POST MOUNTED LIGHT
- PROPOSED DOOR LOCATION
- PROPOSED OVERHEAD DOOR LOCATION
- PROPOSED LANDSCAPING

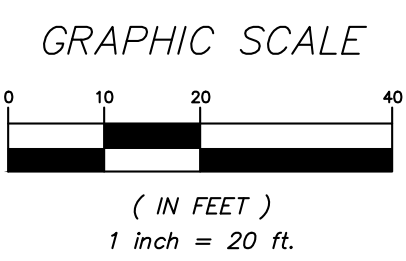
GENERAL PLANTING NOTES:

- 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.
- Any new soils added will be amended as required by results of soil testing and placed using a method that will not cause compaction.
- No fertilizer shall be added in stormwater basin plantings. Nutrient requirements to be met by incorporation of acceptable organic matter.
- All plant material to be nursery grown.
- Plants shall conform with ANSI Z60.1 American Standard for Nursery Stock in all ways including dimensions.
- Plant material shall be taken from healthy nursery stock.
- All plants shall be grown under climate conditions similar to those in the locality of the project.
- Plants shall be planted in all locations designed on the plan or as staked in the field by the Landscape Architect.
- 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.
- 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.
- 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.

GENERAL SITE SEEDING NOTES:

- 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.
- 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.
- 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%
 - Crested Red Fescue 40%
 - Perennial Ryegrass 20%
 - Annual Ryegrass 20%
 - B. Seed Mix for Wildflower Meadow areas and SSTS area as shown on the drawings at a rate of 15 lbs. per acre:
 - Low-Growing Wildflower & Grass Mix (ERNMX-156) from Ernst Conservation Seeds of Meadville, PA.

SITE PLANT SCHEDULE			
KEY	BOTANICAL/COMMON NAME	SIZE	ROOT/SPACING
DECIDUOUS TREES			
AR	Acer rubrum / Red Maple	3" - 3 1/2" CAL.	B & B
NS	Nyssa sylvatica / Black Tupelo	3" - 3 1/2" CAL.	B & B
OR	Quercus rubra / Northern Red Oak	3" - 3 1/2" CAL.	B & B
EVERGREEN TREES			
IO	Ilex opaca / American Holly	6' HT.	B & B
JV	Juniperus virginiana / Eastern Red Cedar	8' HT.	B & B
TG	Thuja occidentalis / Green Giant Arborvitae	8' HT.	B & B
TE	Thuja occidentalis / Emerald Green Arborvitae	6' HT.	B & B
UNDERSTORY TREES			
AC	Amelanchier x grandiflora / 'Autumn Brilliance' Serviceberry	1 1/2" CAL.	B & B
CC	Cercis canadensis / Eastern Redbud	1 1/2" CAL.	B & B
MV	Magnolia virginiana / Sweetbay Magnolia	1 1/2" CAL.	B & B
SHRUBS			
OR	Cornus racemosa / Gray Dogwood	30" - 36" HT.	#5 CONT.
HV	Hamamelis virginiana / Witchhazel	30" - 36" HT.	#5 CONT.
HQ	Hydrangea quercifolia / Oakleaf Hydrangea	30" - 36" HT.	#5 CONT.
IV	Ilex verticillata / Winterberry	18" - 24" HT.	#3 CONT.
IG	Ilex glabra / Inkberry	18" - 24" HT.	#3 CONT.
IT	Itea virginica / Virginia Sweetspire	18" - 24" HT.	#3 CONT.
GROUNDCOVERS/GRASSES			
An	Aster novae angliae / New England Aster	18" O.C.	#3 CONT.
Al	Asclepias incarnata / Swamp Milkweed	24" O.C.	#3 CONT.
Ep	Echinacea purpurea / Coneflower	18" O.C.	#3 CONT.
Iv	Iris versicolor / Blue Flag Iris	24" O.C.	#3 CONT.
Sr	Solidago rugosa / Goldenrod	18" O.C.	#3 CONT.



ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 2209 OF ARTICLE 145 OF THE EDUCATION LAW.

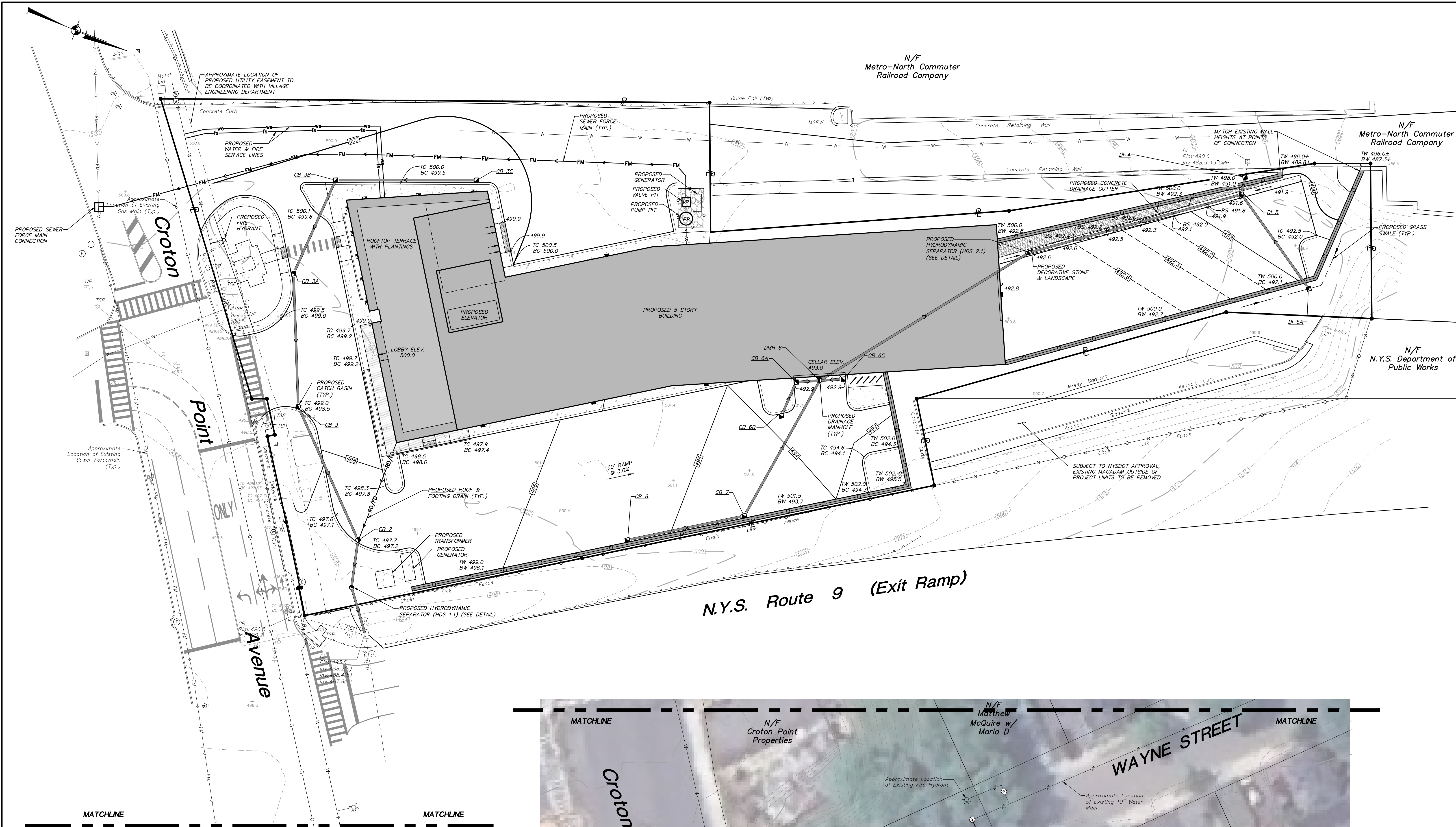
4	3-26-25	REVISED PER VILLAGE COMMENTS	BDZ
3	2-26-25	REVISED PER VILLAGE COMMENTS	NFB
2	9-24-24	REVISED PER VILLAGE COMMENTS	TSM
1	8-1-24	REVISED PER VILLAGE COMMENTS	TSM
NO.	DATE	REVISION	BY

3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT: **1 CROTON POINT**
CROTON POINT AVE. & VETERANS PLAZA, VILLAGE OF CROTON-ON-HUDSON, WESTCHESTER CO., NY.

DRAWING: **LAYOUT & LANDSCAPE PLAN**

PROJECT NUMBER	24154.100	PROJECT MANAGER	R.D.W.	DRAWING NO.	SHEET
DATE	7-11-24	DRAWN BY	M.E.U.	SP-1	3
SCALE	1" = 20'	CHECKED BY	D.L.M.		

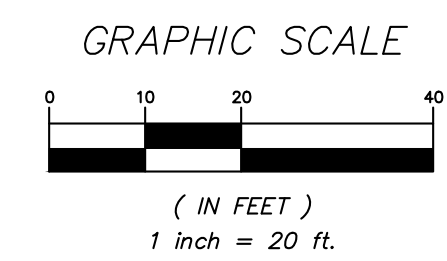
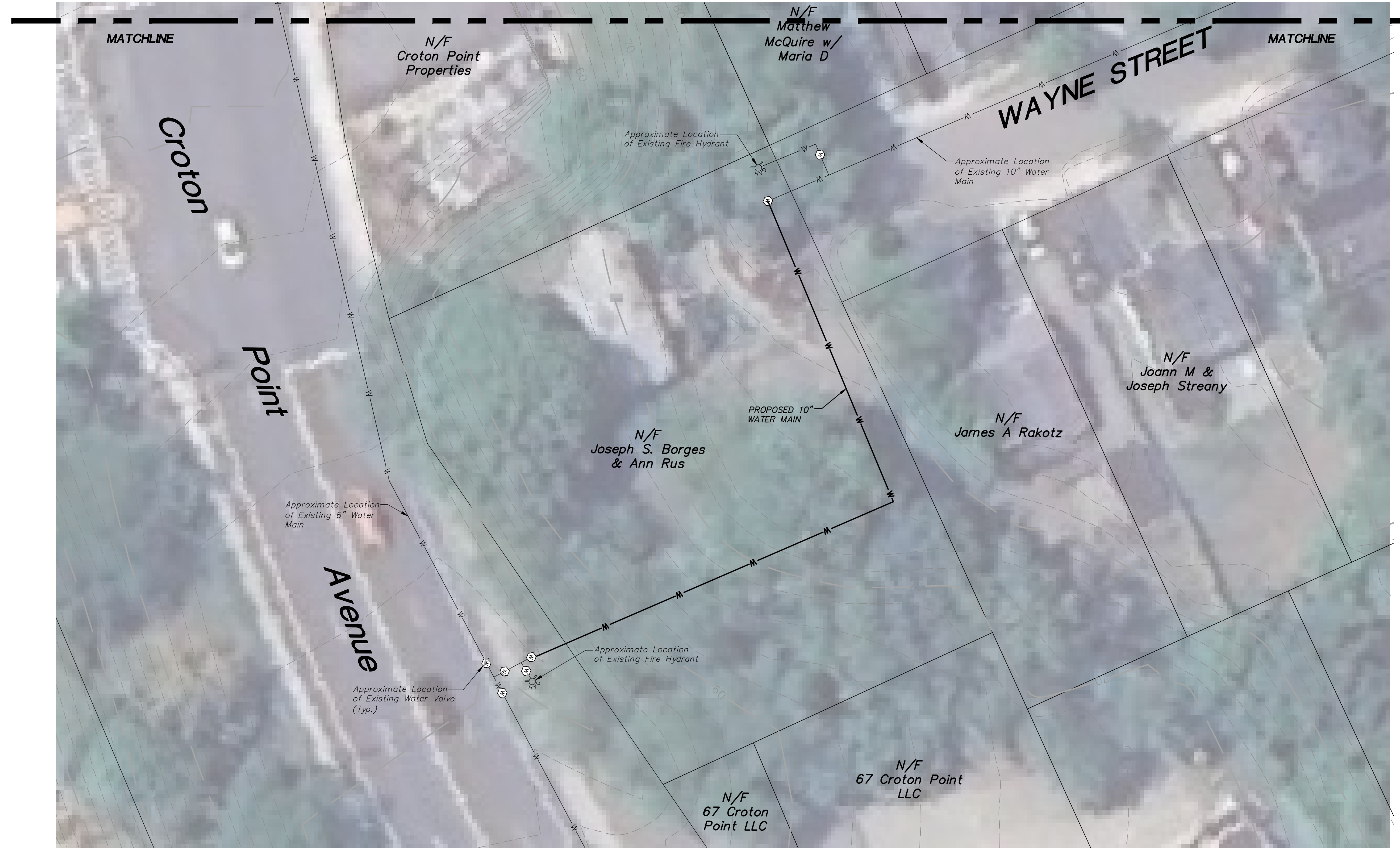


LEGEND

- EXISTING PROPERTY LINE
- EXISTING GUIDE RAIL
- EXISTING CHAIN LINK FENCE
- EXISTING POST & RAIL FENCE
- EXISTING CURB
- EXISTING SIGN
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING TRAFFIC SIGNAL POLE WITH ARM
- EXISTING LIGHT POLE
- EXISTING TRAFFIC SIGNAL BOX
- EXISTING UNDERGROUND DRAINAGE PIPE
- EXISTING CATCH BASIN
- EXISTING WATER VALVE
- EXISTING GAS VALVE
- PROPOSED 10' CONTOUR
- PROPOSED 2' CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED TOP OF CURB & BOTTOM OF CURB ELEVATIONS
- PROPOSED SEWER MANHOLE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED OUTLET STRUCTURE
- PROPOSED END SECTION
- PROPOSED WATER GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED DRAINAGE PIPE
- PROPOSED SEWER FORCE MAIN
- PROPOSED SEWER SERVICE LINE
- PROPOSED FIRE SERVICE LINE
- PROPOSED DOMESTIC WATER SERVICE LINE
- PROPOSED GRASS SWALE
- PITCH TO DRAIN
- PROPOSED CLEAN OUT

- UTILITY NOTES:**
- The locations of existing utilities, water, sewers, and drainage structures have been indicated based on the best available information. It is possible that the actual subsurface utilities and piping may vary from that indicated. Therefore, prior to starting work in any area, the contractor shall take the necessary steps to determine the locations of all existing underground piping, conduit and structures. This shall include the contractor scheduling a special onsite utility markout with "Call Before You Dig" and test pits at all utility crossings and points of connection to existing utilities. The contractor shall carry out their operations in such a manner as to prevent interference with lines which are to remain. Any pipe or conduit disturbed in the course of contract shall be repaired by the contractor at no extra cost to the owner.
 - Existing utility locations, sizes and elevations to be verified by contractor prior to the start of construction and any discrepancies reported to the project engineer immediately.
 - Whenever a connection to an existing pipe or structure is shown, the contractor shall confirm existing pipe materials of construction, dimensions, and connection requirement prior to submitting materials for approval.
 - When structures are to be placed on existing utility lines or where the proposed utility lines are assumed to cross existing utilities, the contractor shall locate the existing utility and shall verify its existing invert elevation. The contractor shall notify the engineer if different utility invert elevations or locations are revealed by field exploration.
 - Where interference with other utilities or construction are encountered during construction of new utility lines, the contractor may adjust the alignment or invert elevations of that system only at the direction of the project engineer.
 - All existing utilities shall be removed to the main unless otherwise permitted by the utility service provider.
 - It shall be the contractor's responsibility to locate all overhead wires and utility poles, if any, in the vicinity of the proposed work. Furthermore, it is the contractor's responsibility to make the necessary arrangements to perform the work in the vicinity of these overhead wires.
 - The contractor shall exercise extreme caution when working adjacent to active power and communication lines to prevent damage to these lines. The contractor shall hand excavate test pits to expose those lines prior to performing any other excavation work in the area. The contractor shall repair at their expense, any power or communication interruption immediately.
 - Should any utility poles require bracing or relocating to accomplish the proposed work, it shall be the contractor's responsibility to make the appropriate arrangements to properly secure or relocate such utility poles. The contractor will not receive any additional payment for utility pole bracing or relocating. The contractor must include any costs for such work within their bid submittal.
 - The location of the proposed electric and gas service lines for the property are approximate and subject to the utility company design. The contractor shall coordinate with the owner and utility service provider(s) to determine the location of the site's electric and gas service connections. The contractor shall be responsible for obtaining all required permits necessary for the installation of utility connections, and shall provide electric service lines to each light in accordance with the owner's direction, manufacturer's specifications, and applicable electric code.
 - The gas, electric and communication utilities shall be installed in accordance with the utility provider specifications including but not limited to providing the proper bedding, cover, and detectable warning tape / tracer wire.
 - All sewer manhole pipe penetrations shall be provided with a waterproof rubber boot and gasket.
 - Cuts and fills are proposed over existing utilities. Site contractor shall protect all utilities whether shown or not shown during earthwork operations. Site contractor shall lower existing utilities as required to maintain adequate cover and adjust access and covers for existing structures to proposed grade.
 - Site contractor shall be responsible for trenching and backfill of electrical (including lighting) and communication conduits, including bedding materials. See electrical drawings for trench details. Electrical contractor shall be responsible for installation of conduit and wiring. Site contractor shall be responsible for setting light pole bases. Electrical contractor shall be responsible for setting light poles, conduit and wiring. Site contractor shall be responsible for installation of transformer pads. Electrical contractor shall be responsible for installation of conduits, transformers and wiring.

DRAINAGE TABLE					
Structure	RIM	INVERT ELEVATION	PIPE	LENGTH	SLOPE
CB 2	497.1	INV. IN = 492.50 FROM CB 3	12" HDPE	68 L.F.	1.5%
		INV. OUT = 492.50 TO HDS 1.1	15" HDPE	22 L.F.	2.3%
CB 3	498.4	INV. IN = 493.50 FROM CB 3A	12" HDPE	62 L.F.	1.6%
		INV. OUT = 493.50 TO CB 2	12" HDPE	68 L.F.	1.5%
CB 3A	499.0	INV. IN = 494.50 FROM CB 3B	12" HDPE	48 L.F.	2.3%
		INV. OUT = 494.50 TO CB 3	12" HDPE	62 L.F.	1.6%
CB 3B	499.2	INV. IN = 495.60 FROM CB 3C	12" HDPE	66 L.F.	0.9%
		INV. OUT = 495.60 TO CB 3A	12" HDPE	48 L.F.	2.3%
CB 3C	499.2	INV. OUT = 496.20 TO CB 3B	12" HDPE	66 L.F.	0.9%
		INV. IN = 490.70 FROM CB 6B	12" RCP	17 L.F.	1.2%
CB 6A	492.9	INV. IN = 490.70 TO DMH 6	12" RCP	11 L.F.	0.9%
		INV. OUT = 490.70 TO CB 6A	12" RCP	17 L.F.	1.2%
CB 6B	493.2	INV. OUT = 490.70 TO DMH 6	12" RCP	11 L.F.	0.9%
		INV. IN = 491.00 FROM CB 8	12" RCP	55 L.F.	0.9%
CB 7	493.3	INV. IN = 491.00 TO DMH 6	12" RCP	72 L.F.	0.6%
		INV. OUT = 491.00 TO CB 7	12" RCP	55 L.F.	0.9%
CB 8	494.7	INV. OUT = 491.50 TO DI 5	15" RCP	8 L.F.	1.2%
		INV. IN = 489.50 FROM DI 5	15" RCP	8 L.F.	1.2%
DI 4	491.0	INV. IN = 489.50 FROM DI 5	15" RCP	102 L.F.	0.4%
		INV. IN = 489.50 FROM DI 5A	12" RCP	54 L.F.	0.6%
DI 5	491.4	INV. OUT = 489.50 TO DI 4	15" RCP	8 L.F.	1.2%
		INV. OUT = 489.50 TO DI 5	12" RCP	54 L.F.	0.6%
DI 5A	499.5	INV. IN = 490.60 FROM CB 6A	12" RCP	11 L.F.	0.9%
		INV. IN = 490.60 FROM CB 6C	12" RCP	11 L.F.	0.9%
DMH 6	493.0	INV. IN = 490.60 FROM CB 7	12" RCP	72 L.F.	0.6%
		INV. OUT = 490.60 TO HDS 2.1	15" RCP	114 L.F.	0.5%
EX DI	497.0	INV. IN = 489.00 FROM HDS 1.1	15" HDPE	22 L.F.	13.5%
		INV. IN = 492.00 FROM CB 2	15" HDPE	22 L.F.	2.3%
HDS 1.1	497.0	INV. IN = 492.00 TO EX DI	15" HDPE	22 L.F.	13.5%
		INV. IN = 490.00 FROM DMH 6	15" RCP	114 L.F.	0.5%
HDS 2.1	492.6	INV. IN = 490.00 TO DI 5	15" RCP	102 L.F.	0.4%
		INV. OUT = 490.00 TO DI 5	15" RCP	102 L.F.	0.4%



4	3-26-25	REVISED PER VILLAGE COMMENTS	BDZ
3	2-26-25	REVISED PER VILLAGE COMMENTS	NFB
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NO.	DATE	REVISION	BY

INSITE
ENGINEERING, SURVEYING &
LANDSCAPE ARCHITECTURE, P.C.

PROJECT:
1 CROTON POINT
CROTON POINT AVE. & VETERANS PLAZA, VILLAGE OF
CROTON-ON-HUDSON, WESTCHESTER CO., NY

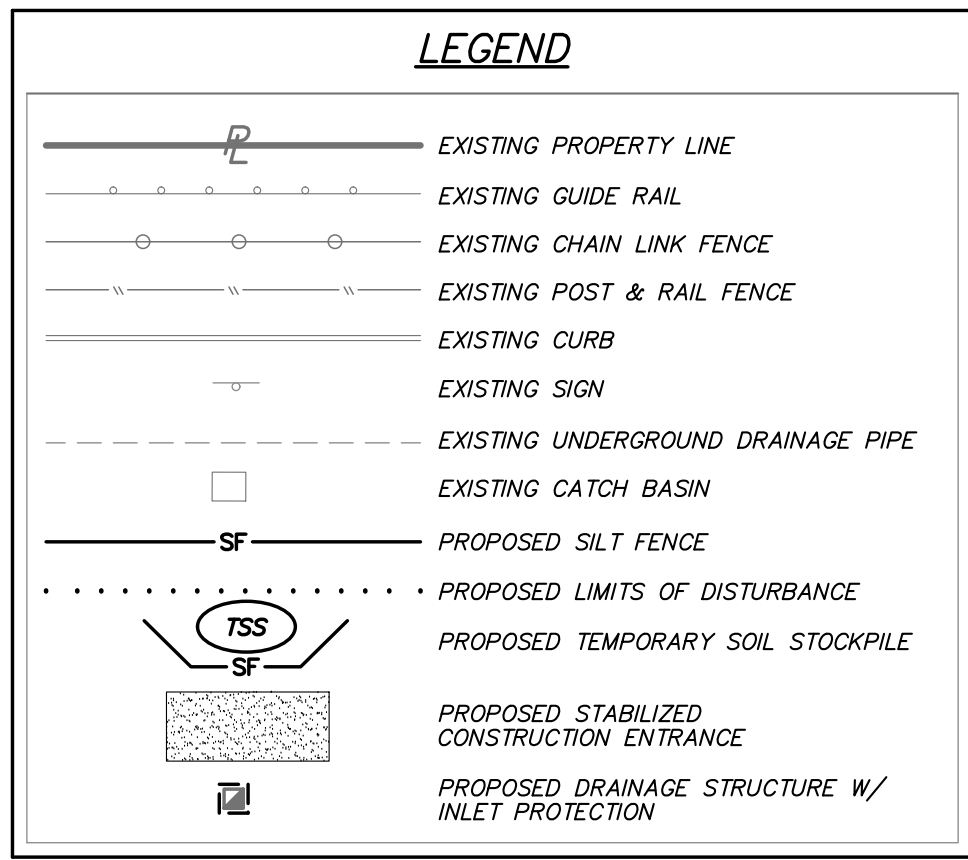
DRAWING:
GRADING & UTILITIES PLAN

PROJECT NUMBER	24154.100	PROJECT MANAGER	R.D.W.	DRAWING NO.	SHEET
DATE	7-11-24	DRAWN BY	M.E.U.	BY	4
SCALE	1" = 20'	CHECKED BY	D.L.M.		10

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STATE OF NEW YORK
JULY 15 2024
PROFESSIONAL ENGINEER

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF
SECTION 2209 OF ARTICLE 145 OF THE EDUCATION LAW.



1. The owner's field representative (O.F.R.) will be responsible for the implementation and maintenance of erosion and sediment control measures on this site prior to and during construction.
2. All construction activities involving the removal or disposition of soil are to be provided with appropriate protective measures to minimize erosion and contain sediment disposition within the minimum erosion and sediment control measures to be implemented as shown on the plans and shall be installed in accordance with "New York Standards and Specifications For Erosion and Sediment Control", latest edition.
3. Wherever feasible, natural vegetation should be retained and protected. Disturbance shall be minimized in the areas required to perform construction. No more than 3 acres of unprotected soil shall be exposed on any one day.
4. When land is exposed during development, the exposure shall be kept to the shortest practical period of time, in the areas where soil disturbance activity has temporarily or permanently occurred. Erosion and sediment control measures shall be implemented by the end of the next business day and completed within fourteen (14) days from the date the current soil disturbance activity ceased. Disturbance shall be minimized to the areas required to perform construction.
5. Silt fence shall be installed as shown on the plans prior to beginning any clearing, grubbing or earthwork.
6. All topsoil to be stripped from the area being developed shall be stockpiled and immediately covered for temporary stabilization. Ryegrass (annual or perennial) at a rate of 30 lbs. per acre shall be seeded and temporary seeding in bare areas shall be completed as early as possible. "Aristocrat" Ryegrass (perennial ryg) shall be used for temporary seeding in bare fall and permanent seeding in the following:
 - Any disturbed areas that subject to further disturbance or construction traffic, permanent ryegrass shall have soil stabilization measures initiated for permanent vegetation cover in combination with a suitable mulch within 1 business day of final grading. All seeded areas to remain bare (no topsoil) from 10/1/2019 to 10/1/2020 shall be seeded and mulched as follows:
 - Seed mixture to be planted between March 21st and May 20, or between August 15 and September 15, or between October 15 and December 15, shall be applied at a rate of 100 pounds per acre of the following proportions:

Perennial Ryegrass	20%
Creeping Red Fescue	40%
Perennial Ryegrass	20%
Annual Ryegrass	20%
 - Mulch: Soil hay or small grain straw applied at a rate of 90 lbs./1000 SF, or 2 tons/acre, to be applied and anchored according to "New York Standards and Specifications For Erosion and Sediment Control", latest edition.
7. Grass seed mix may be applied by either mechanical or hydroseding methods. Seeding shall be performed in accordance with the current edition of the "NYSDOT Standard Specification, Construction and Materials, Section 611-3.02, Method No. 1", hydroseding shall be performed using a contractor and methods approved by the site engineer.
8. Cut or fill slopes greater than 2:1 shall be stabilized immediately after grading with Curlex Single Net Erosion Control Blanket, or approved equal.
9. Paved roadways shall be kept clean at all times.
10. The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
11. All storm drainage outlets shall be stabilized, as required, before the discharge points become operational.
12. Stormwater from disturbed areas must be passed through erosion control barriers before discharge beyond disturbed areas or discharged into other drainage systems.
13. Erosion and sediment control measures shall be inspected and maintained on a daily basis by the owner's field representative (O.F.R.) and the consultant. All erosion control measures shall be clear of debris, and embankments and berms have not been breached and that all draw basins and silt fences are maintained and methods approved by the site engineer. Erosion control measures are immediately repaired by the contractor and inspected for approval by the O.F.R. and/or site engineer.
14. Dust shall be controlled by sprinkling or other approved methods as necessary, or as directed by the O.F.R.
15. Cut and fills shall not endanger adjoining property, nor divert water onto the property of other

to the NYSDDEC "SPDES General Permit for Stormwater Discharges from Construction Activity" (GP-20-020), all Stormwater Pollution Prevention Plan (SWPPP) shall include erosion and sediment control practices designed to comply with the most current version of the technical standard, "New York Standards and Specifications for Erosion and Sediment Control," where erosion and sediment control measures are required. The contractor shall submit a plan, the owner or operator must demonstrate equivalence to the technical standard. The following list of required SWPPP components is provided in accordance with Part II.B.1(a) of General Permit GP-20-020:

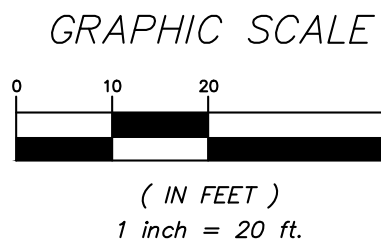
- Background Information:** The subject project consists of the construction of a 100 unit affordable condominium building.
- Site map / construction drawing:** These plans serve to satisfy this SWPPP requirement.
- Description of the soils present at the site:** Onsite soils located within the proposed limits of disturbance consist of Urban land (Uf), Urban land-Riverhead complex (UvC), and Uplandents, smoothed (Ub), as identified on the Soil Information Service (SIS) Soil Survey. These soil types belong to the Hydrologic Soil Group "B" and "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 Erosion and Sediment Control Maintenance Schedule provides 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 the amount of disturbance shall be limited to the shortest period of time as practicable.
- Description of erosion and sediment control practices:** This plan, and details / notes shown herein serve to satisfy this SWPPP requirement.
- Temporary and permanent soil stabilization plan:** The Sedimentation and Erosion Control Notes and Details provided herein identify temporary and permanent stabilization measures to be implemented in accordance to specific elements of the project, and at the various stages of development.
- Site map / construction drawing:** This plan serves to satisfy this SWPPP requirement.
- 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 requirement.
- An inspection schedule:** Inspections are to be performed twice weekly and by a qualified professional as required by the General Permit GP-20-020. In addition the NYSDDEC Trained Contractor shall perform additional inspections as cited in the Sedimentation and Erosion Control Notes.
- A description of pollution prevention measures that will be used to control litter, debris and other materials that may be carried off-site by 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 debris or construction chemicals that are not stored in accordance with Material Safety Data Sheets (MSDS), material inventory, and emergency contact numbers shall be maintained by the general contractor for all construction chemicals used onsite. Final cleanup of all debris and waste (portable toilets) shall be provided outside during the entire length of construction, and inspected weekly for evidence of leaking hiding tanks.
- A description and location of any stormwater discharges associated with industrial activities other than those from construction activities** No known industrial stormwater discharges present or proposed at the site.
- 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."

1. Pursuant to the NYSED "SPDES General Permit for Stormwater Discharges from Construction Activity" (GP-20-20-00), all construction projects needing post-construction stormwater management practices must submit a Stormwater Management Plan (SWMP) for review and concurrence with the most current version of the technical standard, New York State Department of Environmental Conservation (NYSDEC) Part 613.82-2.0. The stormwater management practices are not designed in accordance with this technical standard if the owner cannot demonstrate that the project is designed in accordance with the following list of SWMP components is provided in accordance with Part 613.82-2.0 and 613.83-1.0.
 - a. Identification of all post-construction stormwater management practices to be implemented as part of the project; This plan, and details/notes shown hereon serve to satisfy this SWMP 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 SWMP 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 accordance with the sizing and performance identification and verification for any deviations from the Design Manual, and identification of any design criteria that are not required. The required analysis is contained in the report and is not required to be included in the SWMP.
 - d. 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 this requirement.
 - e. A Permanent Stormwater Facilities Maintenance Schedule provided on these plans serves to satisfy this requirement.
2. Enhanced Phosphorus Removal Standards – Beginning on September 30, 2008, all construction projects identified in Table 2 of Appendix B that are located in the watersheds identified in Appendix C shall prepare a SWPPP that includes post-construction stormwater management practices that are designed in accordance with the New York State Technical Standards included in the most current version of the technical standard, New York State Department of Environmental Conservation (NYSDEC) Part 613.82-2.0. The stormwater management practice component of the SWPPP shall include items 2.a – 2.f above. This requirement is not applicable as the project is not located in the watersheds identified in Appendix C.

1. A pre-construction meeting shall be scheduled with the project architect project engineer and Westchester County before the start of construction activities.
2. Per New York State Law, the contractor shall call DigSafe New York at 1-800-862-7962 two (2) full days prior to performing any excavation work.
3. At the start of construction activities, the infiltration area must be cordoned off to protect it from construction activities on-site.
4. Install stabilized construction entrance/anti-tracking pad as shown on the plan.
5. Install silt fence and other erosion control measures as shown on this plan. Strip and stockpile topsoil on site, as construction progresses for later use, in lawn and landscape areas.
6. Begin site demolition, clearing & grubbing operations associated with the project.
7. Begin excavation for building foundations.
8. Install drainage structures and associated piping.
9. Begin site grading operations for parking and driveways.
10. Install remaining utility work (water and sewer) and connect Roof Leader Drains to drainage system. Install Protection shall be installed on all catch basins, drain inlets and yard drains. The insect protection shall be installed on all yard drains and roof drains to them to prevent insect infestation.
11. Complete final grading operations, site work, and finished surfaces. Upon completion of grading operations, install finished driveway surfaces.
12. Topsoil, seed, and mulch all disturbed areas the same day they are disturbed in accordance with the Erosion and Sediment Control Notes (Note #7). Permanent Stabilization is achieved when 80% of the soil erosion intensity is established.
13. Once permanent final stabilization (80% of plan/erosion density has been established) of all disturbed areas has been achieved, remove all temporary erosion and sediment controls.

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
INLET PROTECTION	—	Inspect	Inspect	Clean/Repair/ Replace	Remove
DUST CONTROL	Inspect	—	Inspect	Mulching/ Spraying Water	N/A
*VEGETATIVE ESTABLISHMENT	—	Inspect	Inspect	Water/Reseed/ Rerunish	Reseed to 80% Coverage
SOIL STOCKPILES	—	Inspect	Inspect	Mulching/ Sil Fence Repair	Remove
SWALES	—	Inspect	Inspect	Clean/Mulch/ Repair	Mow Permanent Grass/Replace/ Repair Rip Rap
CONCRETE DRAINAGE STRUCTURES	—	Inspect	Inspect	Clean/Sump/ Remove Debris/ Repair/ Replace	See Permanent Stormwater Facilities Maintenance Schedule on Drawing D-10
DRAINAGE PIPES	—	Inspect	Inspect	Clean/Repair	See Permanent Stormwater Facilities Maintenance Schedule on Drawing D-10
ACCESS ROAD / PAVEMENT	—	Inspect	Inspect	Clean	Clean
HYDRODYNAMIC SEPARATION	—	Inspect	Inspect	Clean per Manufacturer Specification	See Permanent Stormwater Facilities Maintenance Schedule on Drawing D-10

* 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.



4	J-26-25	REVISED PER VILLAGE COMMENTS	BOZ
3	J-26-25	REVISED PER VILLAGE COMMENTS	NFB
2	9-24-24	REVISED PER VILLAGE COMMENTS	TSM
1	8-1-24	REVISED PER VILLAGE COMMENTS	BY
NO. DATE		REVISION	

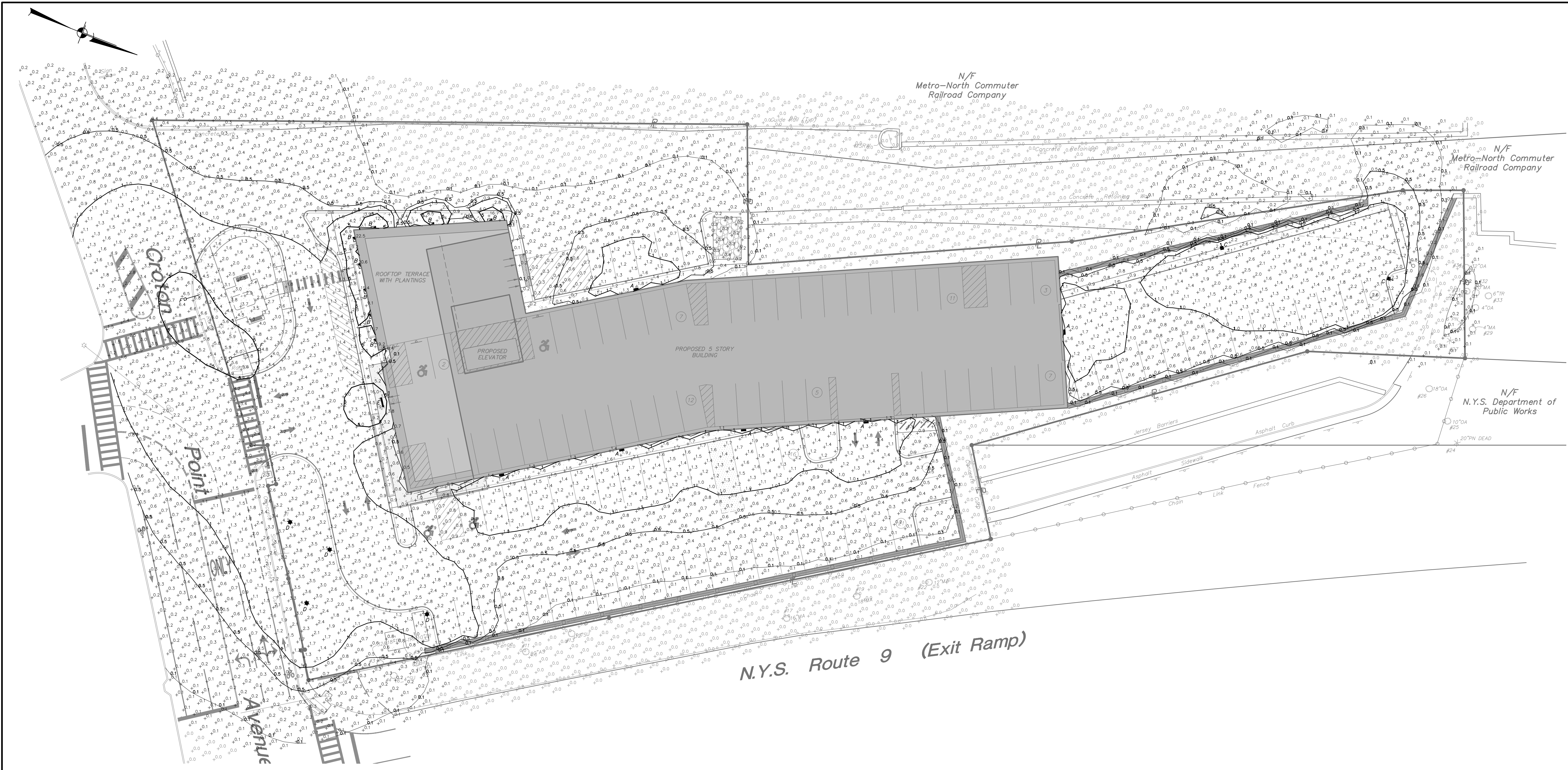


INSITE

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3 Garrett Place
 Corvallis, NY 12012
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PROJECT:  1 CROTON POINT CROTON POINT AVE. & VETERANS PLAZA, VILLAGE OF CROTON-ON-HUDSON, WESTCHESTER CO., NY	
DRAWING: EROSION & SEDIMENT CONTROLS PLAN	
PROJECT NUMBER 24154.100 DATE 7-11-24 SCALE 1" = 20'	PROJECT MANAGER DRAWN BY M.E.U. CHECKED BY D.L.M.
DRAWING NO. SHEET 5 OF 10 SP-3	

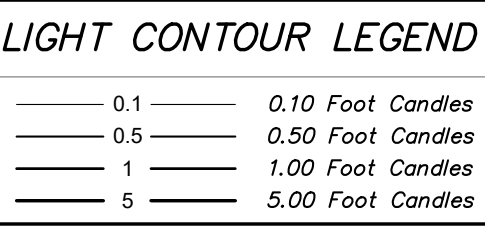


LEGEND

- EXISTING PROPERTY LINE
- EXISTING GUIDE RAIL
- EXISTING CHAIN LINK FENCE
- EXISTING POST & RAIL FENCE
- EXISTING CURB
- EXISTING SIGN
- EXISTING TRAFFIC SIGNAL POLE WITH ARM
- PROPOSED # OF STALLS TO BE STRIPED
- PROPOSED CONCRETE CURB
- PROPOSED EDGE OF SIDEWALK
- PROPOSED PAINTED CROSSWALK
- PROPOSED PAINTED STOPBAR
- PROPOSED PAINTED DIRECTIONAL ARROW
- PROPOSED PAINTED HANDICAP PARKING SYMBOL
- PROPOSED STRIPED ISLAND
- PROPOSED LOADING SPACE
- PROPOSED SINGLE POLE SIGN
- PROPOSED POLE MOUNTED LIGHT
- PROPOSED BUILDING MOUNTED LIGHT
- PROPOSED POST MOUNTED LIGHT
- PROPOSED DOOR LOCATION
- PROPOSED OVERHEAD DOOR LOCATION
- PROPOSED LANDSCAPING

LUMINAIRE SCHEDULE						
Sym	Qty	Catalog Number	Description	Lamp	Mounting Height	Watts
A	6	PRV-P-PA1A-730 -U-14W-HSS	Lumark Prevail Petite Wall Pack	LED	15'-0"	30.0
B	8	B 33 816	BEGA Lighting marine grade, building mounted downlight	LED	9'-0"	17.0
C	2	RSX1_LED_P1_30K_R4	RSX Pole Mounted Area Luminaire	LED	20'-0"	51.3
D	4	B 77 911K4	BEGA Lighting Pole Top decorative luminaire with asymmetric distribution. Applicable to streetscapes, squares, and pedestrian areas.	LED	15'-0"	28.0
E	1	B 24 307	BEGA Lighting Linear recessed ceiling luminaire with asymmetric distribution	LED	13'-0"	36.0
F	3	B 24 307	Philips Lumec RoadFocus Cobra Head luminaire	LED	28'-0", 35'-0"	36.0

- * Existing street lamp
- LIGHTING NOTES:**
- All lighting shall be as noted on the plan or approved equal.
 - Calculation values shown in this plan are taken on a horizontal plane at ground level using a 0.58 light loss factor for LEDs. Topographical information and landscaping have not been accounted for in these calculations.
 - All lighting on this plan shall be directed and/or shielded so as to preclude objectionable glare from being observable from adjoining streets and properties.
 - Photometric modeling based on specified fixtures shown hereon.
 - Exterior lighting will automatically turn off during daylight hours. Exterior lighting will turn on between sunset and 6:00 AM.
 - Confirm ceiling heights from architectural drawings prepared by Architect for mounting height of building canopy light fixture.



* Photometric calculations shown on plan are in foot candles.

Lumark
Prevail Petite Discrete Wall

Wall Mount Luminaire

Product Features

- Clear safety glass with optical texture
- Marine grade, copper free (0.3% copper content) A360.0 aluminum alloy
- High temperature silicone gasket
- Mechanically captive stainless steel fasteners
- NRTL listed to North American Standards, suitable for wet locations
- Protection class IP-64
- Weight: 3.7 lbs

Electrical

- Operating voltage: 120-277VAC
- Minimum start temperature: -30°C
- LED module wattage: 15.9W
- System wattage: 17.0W
- Controllability: 0-10V dimmable
- Color rendering index: Ra > 90
- Luminaire lumens: 1650lm
- LED service life: L70

Dimensions

Surface Mount (SM): 15.1" (381mm) x 15.1" (381mm)

Wall Mount (WM): 15.1" (381mm) x 15.1" (381mm)

Notes: 1. For use in wet locations, use appropriate weatherproofing. 2. For use in wet locations, use appropriate weatherproofing.

COOPER Lighting

FIGURE A:

Wall luminaire - Symmetric

BEGA

Application

This wall mounted luminaire is designed for wall washing efforts and for the general illumination of pathways and walkways from various mounting heights. Overlight applications only.

Materials

- Clear safety glass with optical texture
- Marine grade, copper free (0.3% copper content) A360.0 aluminum alloy
- High temperature silicone gasket
- Mechanically captive stainless steel fasteners
- NRTL listed to North American Standards, suitable for wet locations
- Protection class IP-64
- Weight: 3.7 lbs

Electrical

- Operating voltage: 120-277VAC
- Minimum start temperature: -30°C
- LED module wattage: 15.9W
- System wattage: 17.0W
- Controllability: 0-10V dimmable
- Color rendering index: Ra > 90
- Luminaire lumens: 1650lm
- LED service life: L70

Dimensions

Wall luminaire - Symmetric: 15.1" (381mm) x 15.1" (381mm)

LED: 15.1" (381mm) x 15.1" (381mm)

COOPER Lighting

FIGURE B:

RSX1 LED Area Luminaire

Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 450W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral diffuser and other mounting configurations are available.

Specifications

IP: 65
Length: 21.8" (55.4 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Max Body
Weight: 22.6 lbs (10.3 kg)

Dimensions

LED: 15.1" (381mm) x 15.1" (381mm)

COOPER Lighting

FIGURE C:

Pole-top luminaire - Asymmetric wide beam

BEGA

Application

Pole-top luminaires with asymmetric wide beam light distribution. These luminaires are designed to illuminate roadways, squares, plazas and pedestrian areas.

Materials

- Optically textured UV-stabilized acrylic diffuser
- Marine grade, copper free (0.3% copper content) A360.0 aluminum alloy
- Mechanically captive stainless steel fasteners
- Pure anodized aluminum reflector
- NRTL listed to North American Standards, suitable for wet locations
- Protection class IP-65
- Weight: 9.7 lbs

Electrical

- Operating voltage: 120-277VAC
- Minimum start temperature: -20°C
- LED module wattage: 36.0W
- System wattage: 36.0W
- Controllability: 0-10V dimming down to 0.1%
- Color rendering index: Ra > 82
- Luminaire lumens: 3977lm
- LED service life: L70

Dimensions

Pole-top luminaire - Asymmetric wide beam: 36.0" (914mm) x 36.0" (914mm)

LED: 36.0" (914mm) x 36.0" (914mm)

COOPER Lighting

FIGURE D:

Linear downlight - Asymmetric

BEGA

Application

Linear recessed ceiling luminaire with asymmetric light distribution. The patented LUS 0216/022/243 BEGA Vortex Optic® creates a parabolic reflector around the vertical axis to form a complex vortex shape. The vortex balances maximum efficiency with optimal glare control while eliminating shadows and artifacts in a uniquely rectangular shape.

Materials

- Clear safety glass
- Marine grade, copper free (0.3% copper content) A360.0 aluminum alloy
- Stainless steel screw clamps
- High temperature silicone gasket
- Mechanically captive stainless steel fasteners
- BEGA Vortex Optic®
- Pure anodized aluminum reflector
- NRTL listed to North American Standards, suitable for wet locations
- Protection class IP-65
- Weight: 9.7 lbs

Electrical

- Operating voltage: 120-277VAC
- Minimum start temperature: -20°C
- LED module wattage: 36.0W
- System wattage: 36.0W
- Controllability: 0-10V dimming down to 0.1%
- Color rendering index: Ra > 82
- Luminaire lumens: 3977lm
- LED service life: L70

Dimensions

Linear downlight - Asymmetric: 36.0" (914mm) x 36.0" (914mm)

LED: 36.0" (914mm) x 36.0" (914mm)

COOPER Lighting

FIGURE E:

PHILIPS LUMEC

Roadway
RoadFocus
RFM (medium)

Dimensions

Side View: 23.2" (589mm) x 15.1" (381mm)

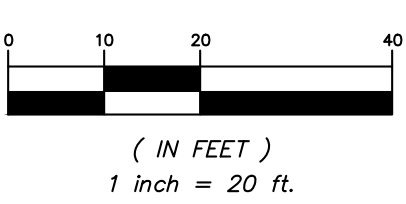
Top View: 23.2" (589mm) x 15.1" (381mm)

Weight: 0.2 lbs (0.09 kg)

LED: 15.1" (381mm) x 15.1" (381mm)

COOPER Lighting

FIGURE F (EXISTING STREET LAMP):



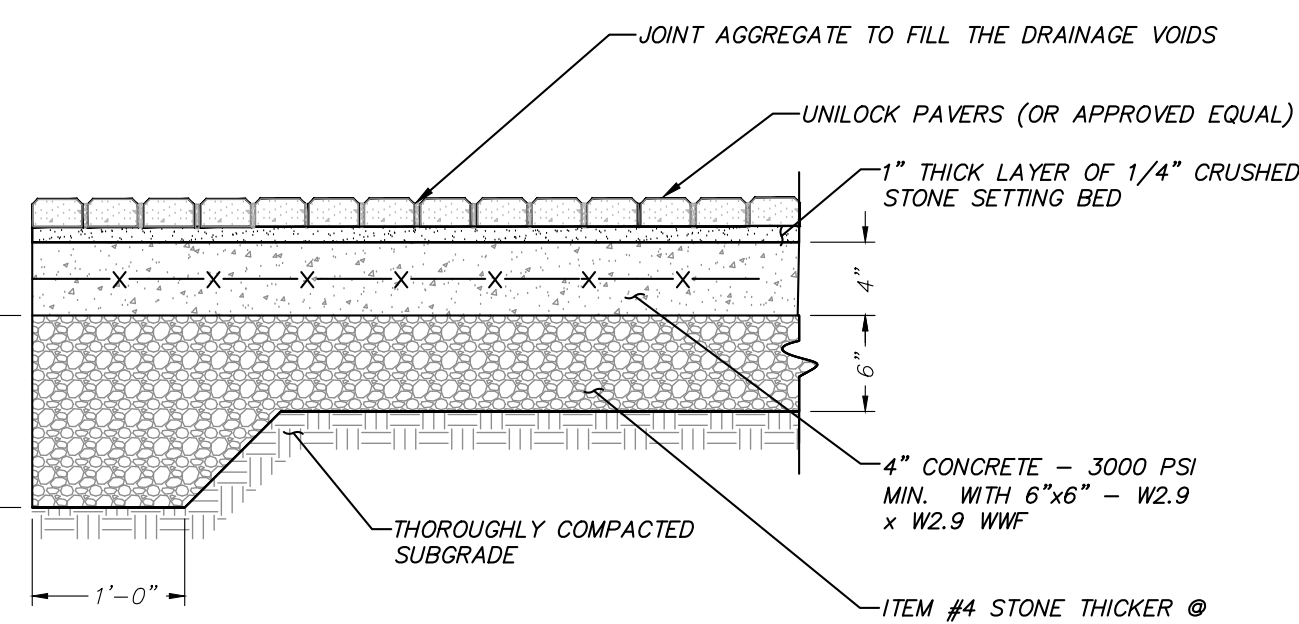
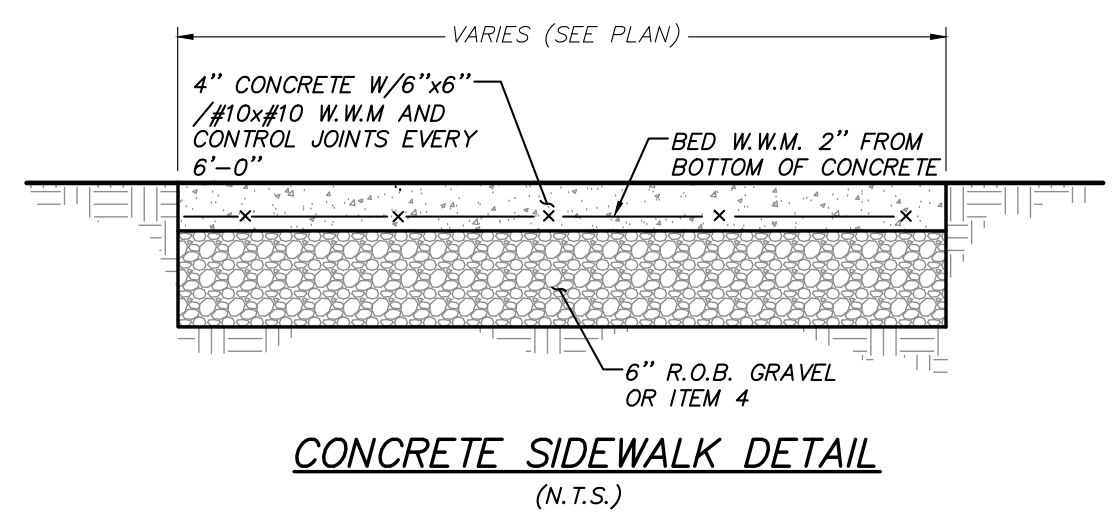
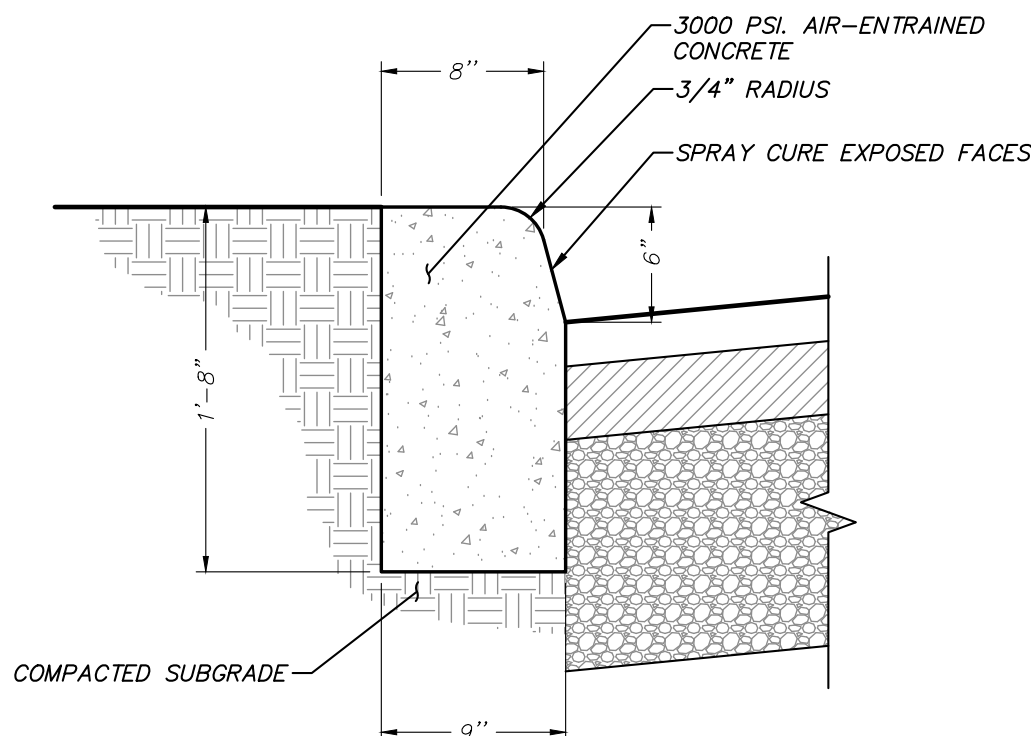
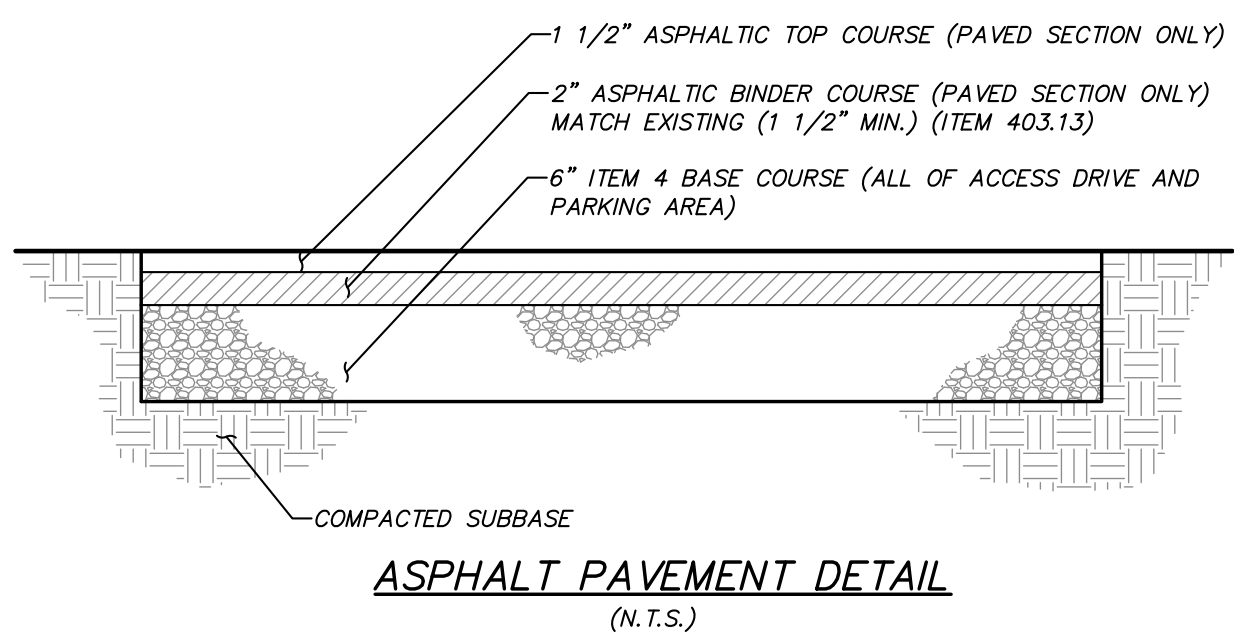
3	3-26-25	REVISED PER VILLAGE COMMENTS	BDZ
2	2-26-25	REVISED PER VILLAGE COMMENTS	NFB
1	9-24-24	REVISED PER VILLAGE COMMENTS	NFB
NO.	DATE	REVISION	BY

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.

PROJECT: 1 CROTON POINT
CROTON POINT VILLAGE OF CROTON-ON-HUDSON, WESTCHESTER CO., NY

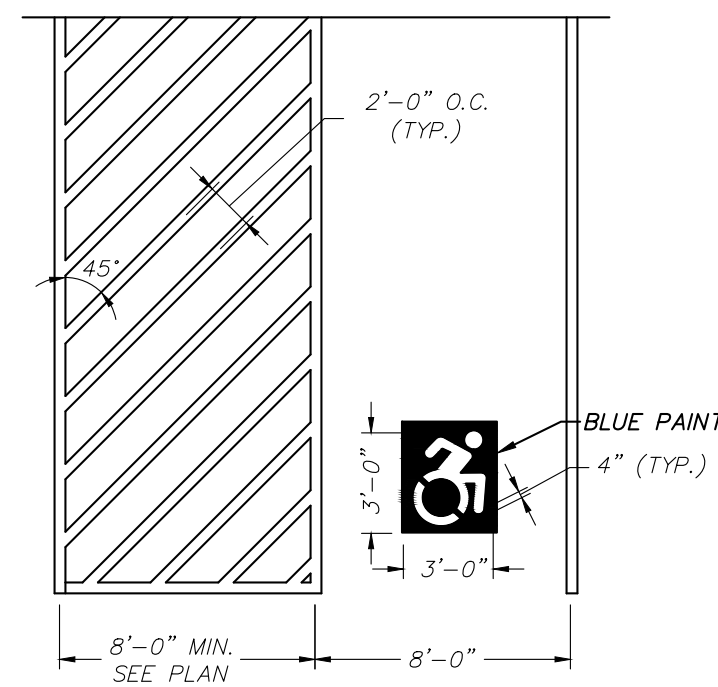
DRAWING: PHOTOMETRIC LIGHTING PLAN

PROJECT NUMBER	24154.100	PROJECT MANAGER	R.D.W.	DRAWING NO.	LP-1
DATE	8-1-24	DRAWN BY	T.S.M.	SHEET	6
SCALE	1" = 20'	CHECKED BY	D.L.M.		10

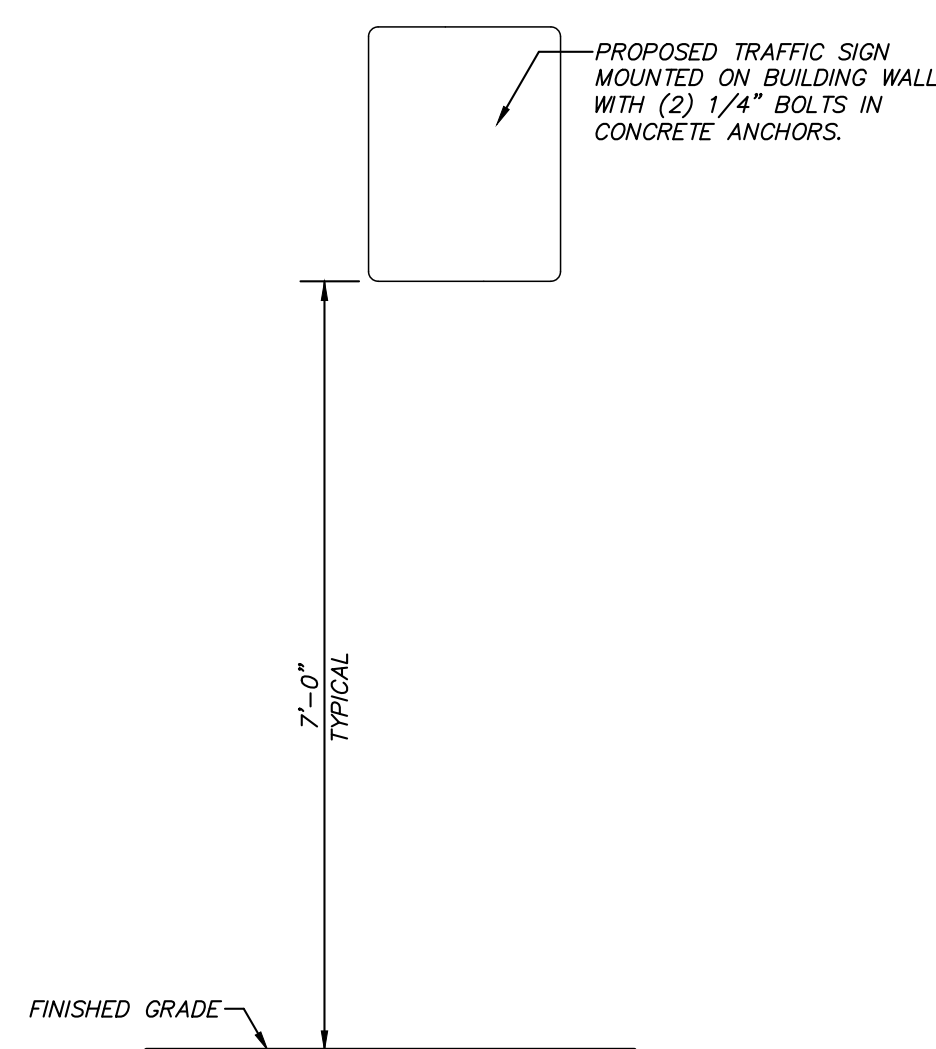


NOTES:
1. Pavers to be unilock pavers 5"x10"x3 1/8\"/>

PAVERS DETAIL
(N.T.S.)

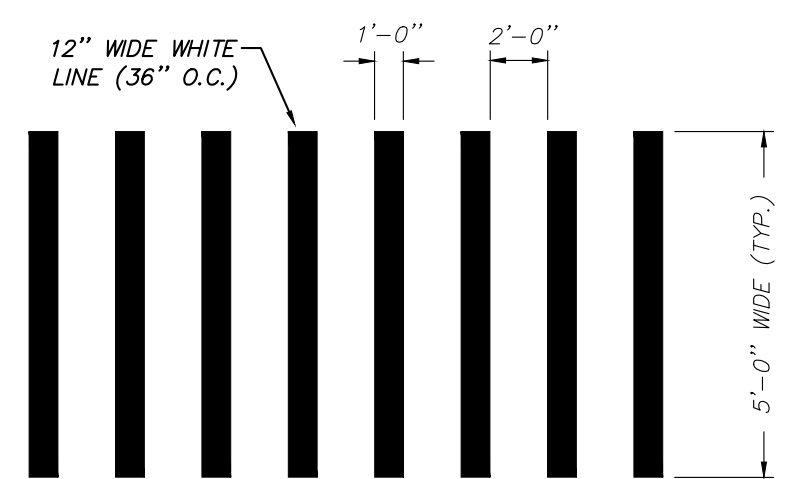


PAINTED NYS ACCESSIBLE PARKING DETAIL
(N.T.S.)



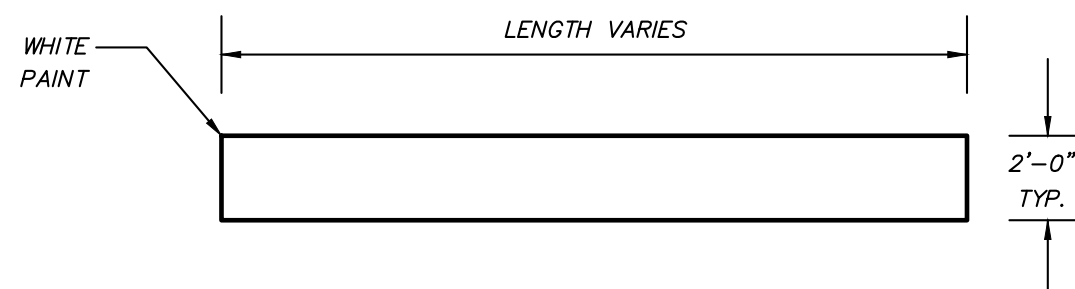
NOTE: FOR HANDICAP PARKING SIGNAGE, SIGNS SHALL BE INSTALLED AT A CLEAR HEIGHT OF BETWEEN 5'-0\"/>

BUILDING MOUNTED SIGN DETAIL
(N.T.S.)



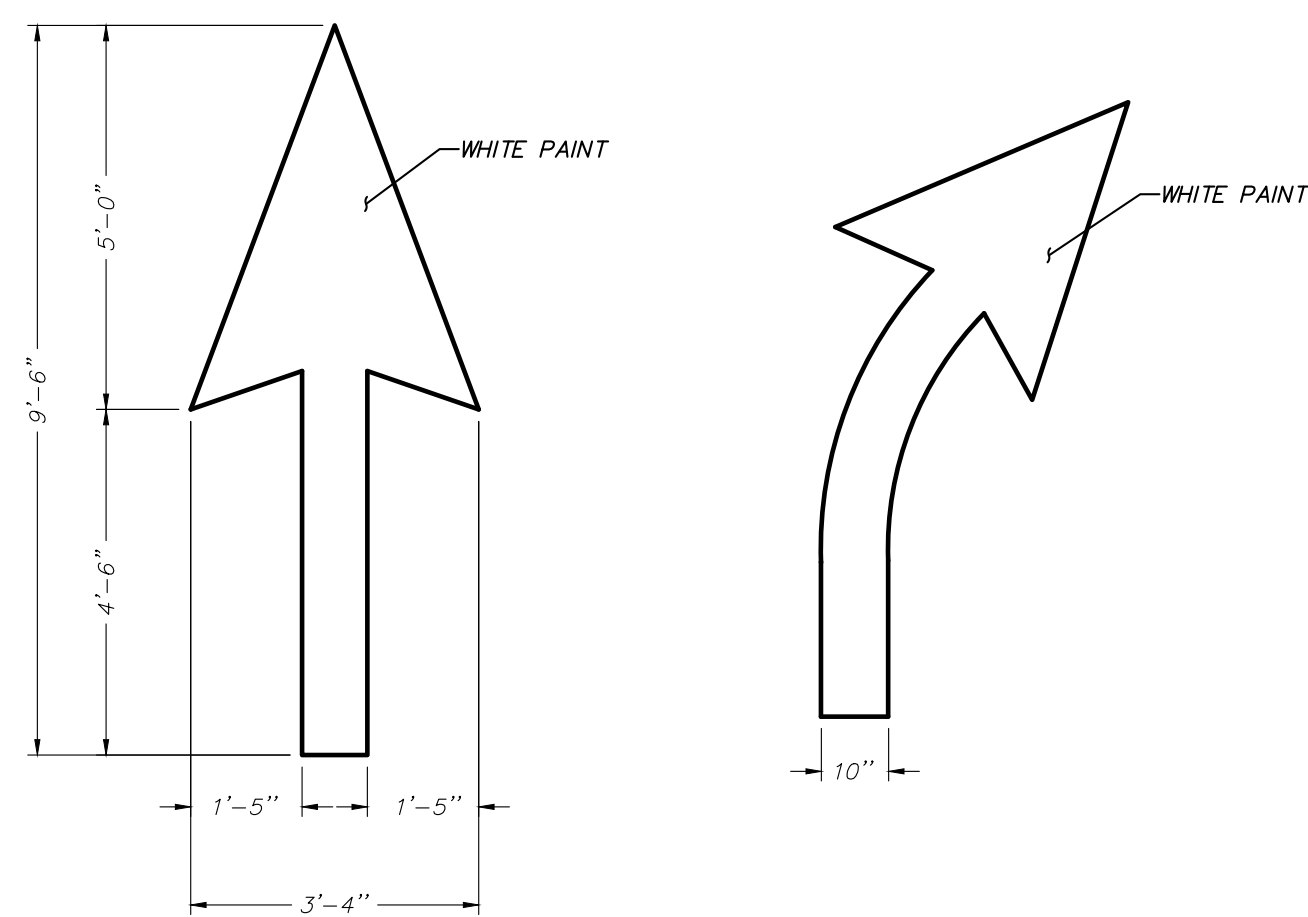
NOTE: INSTALLATION TO CONFORM WITH CURRENT NYS DOT STANDARDS AND SPECIFICATIONS

CROSSWALK MARKING DETAIL (TYPE 2)
(N.T.S.)



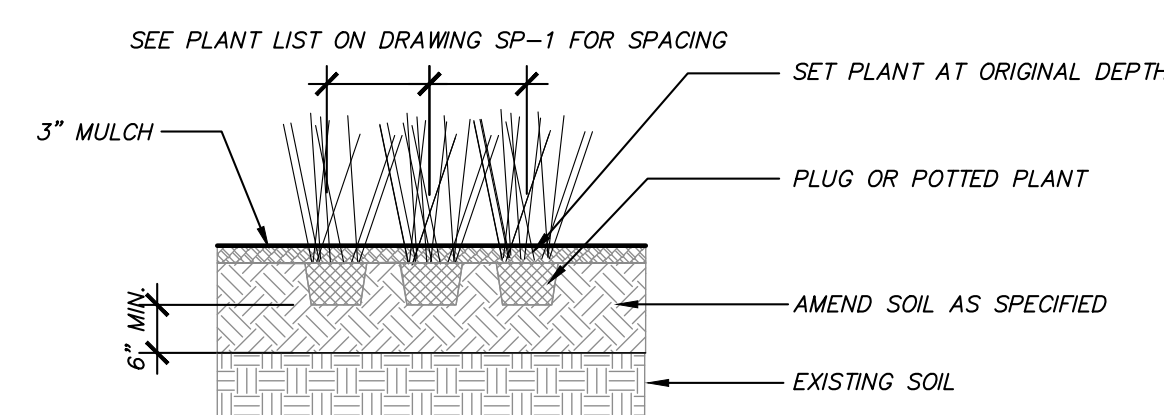
NOTE: INSTALLATION TO CONFORM WITH CURRENT NYS DOT STANDARDS AND SPECIFICATIONS.

PAINTED STOP BAR DETAIL
(N.T.S.)

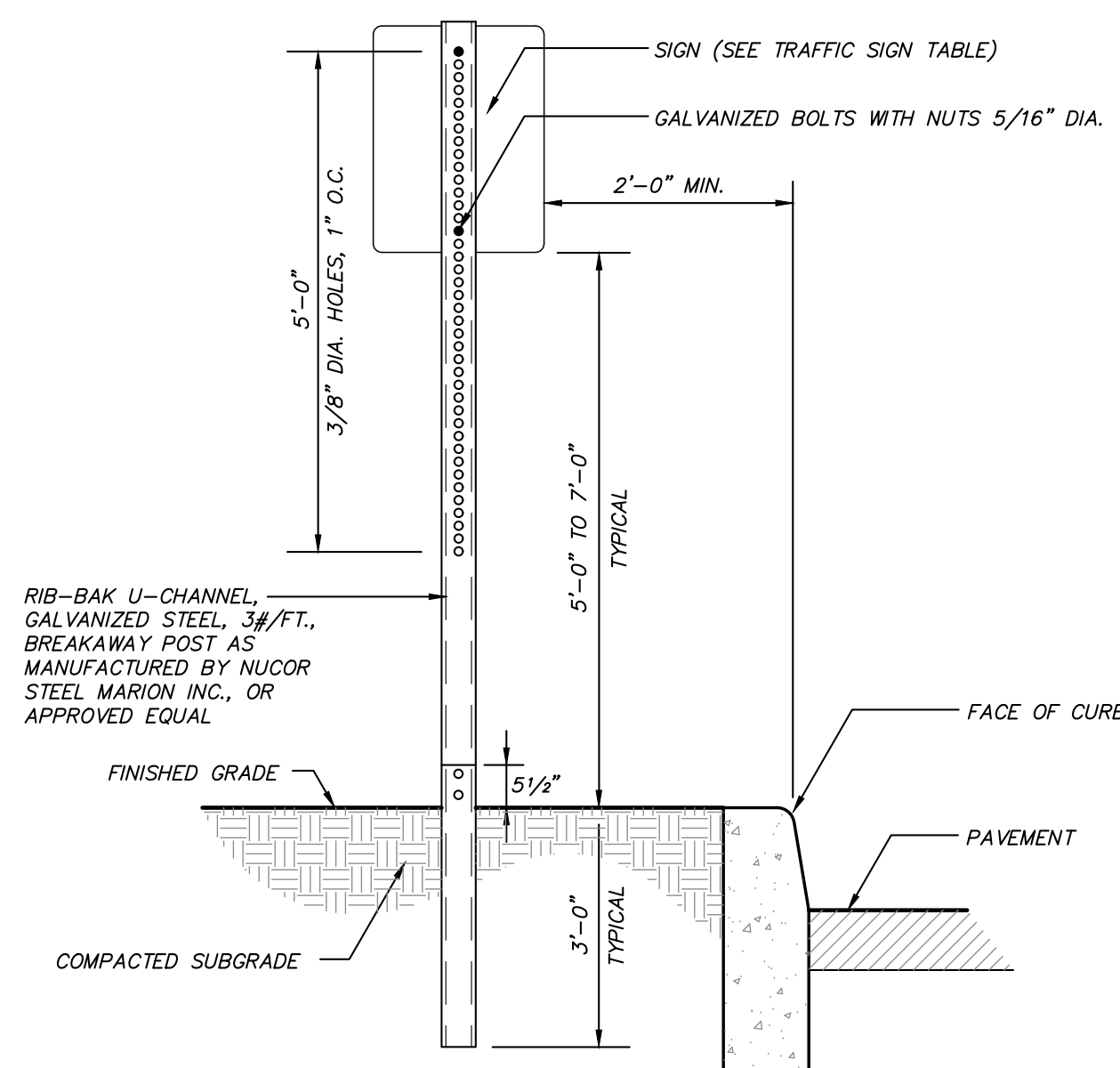


NOTE: INSTALLATION TO CONFORM WITH CURRENT NYS DOT STANDARDS AND SPECIFICATIONS.

DIRECTIONAL ARROWS DETAIL
(N.T.S.)



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

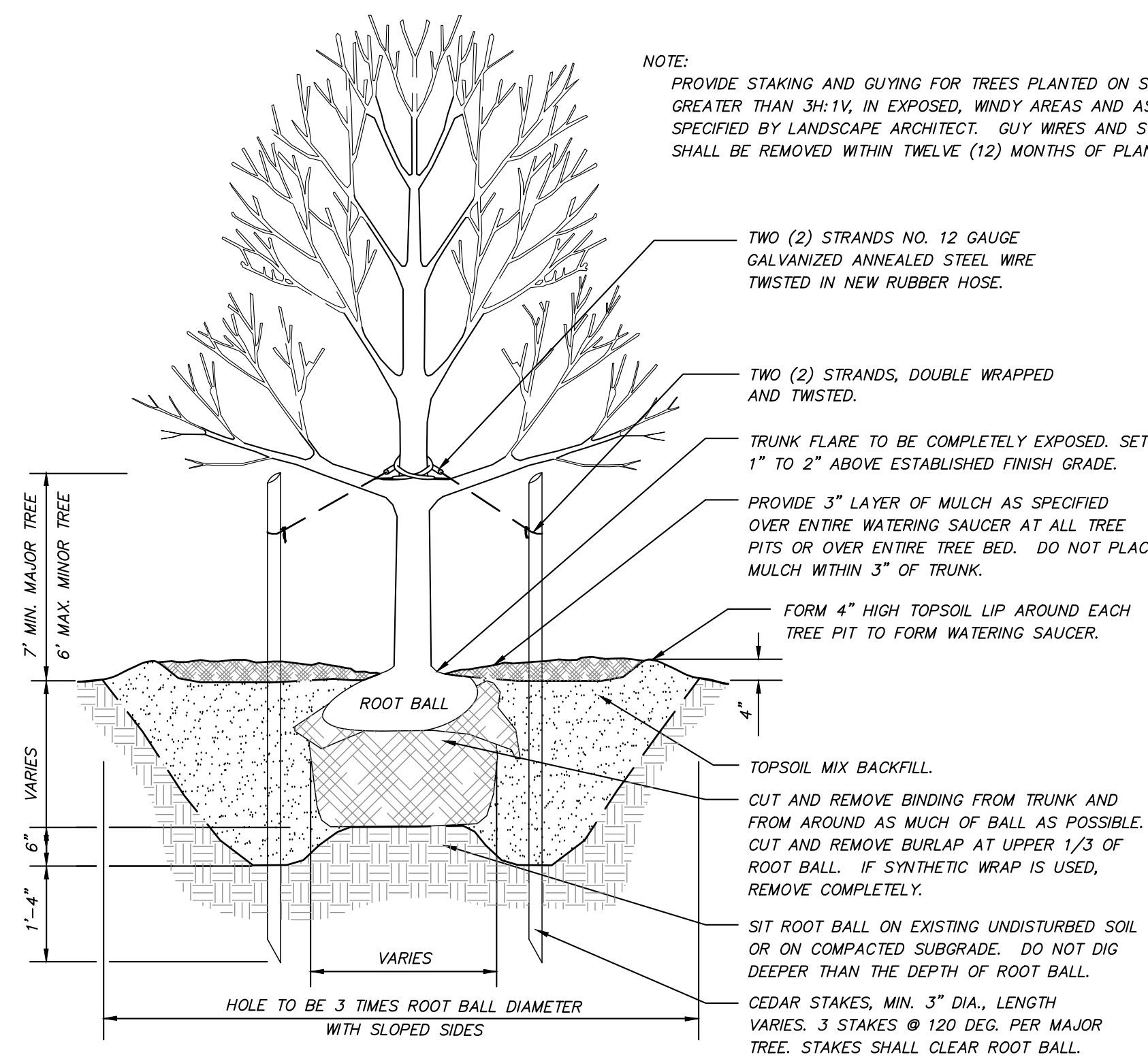


NOTE: FOR HANDICAP PARKING SIGNAGE, SIGNS SHALL BE INSTALLED AT A CLEAR HEIGHT OF BETWEEN 5'-0\"/>

TRAFFIC SIGN DETAIL
(N.T.S.)

SIGN DATA TABLE				
LOCATION NO.	TEXT	M.U.T.C.D. NUMBER	SIZE OF SIGN (s.f.)	DESCRIPTION
1	NO PARKING ANY TIME	R7-1	12" x 18"	Red on White
2	RESERVED PARKING	NY R7-8*	12" x 18"	Green on White
	NO PARKING	R7-8P	12" x 6"	Green on White
3	NO STOPPING	R5-1C	30" x 30"	White on Red

* NOTE: New NYS Handicap symbol recognized only by NYS



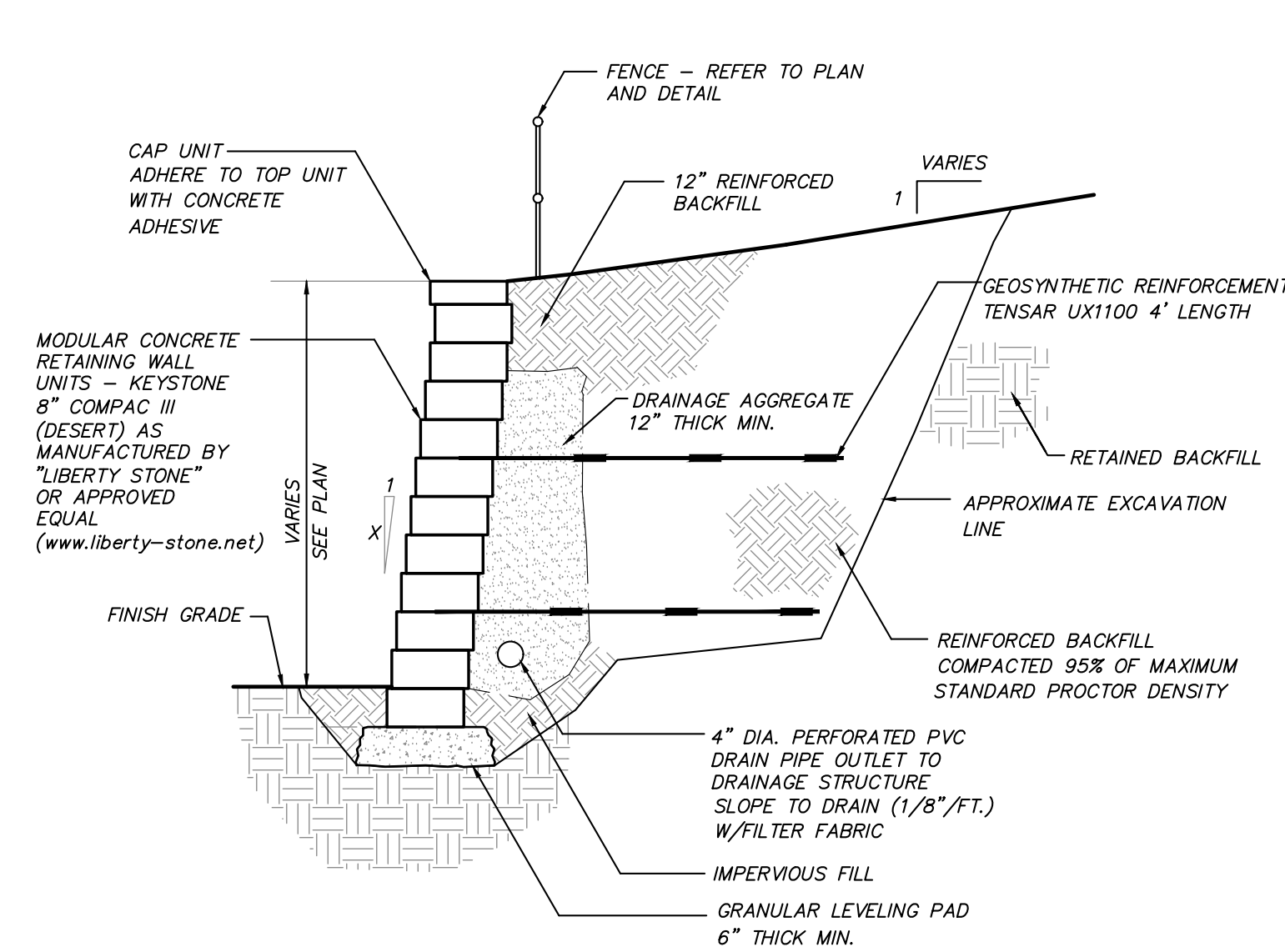
TREE PLANTING DETAIL
(N.T.S.)

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.

TWO (2) STRANDS NO. 12 GAUGE GALVANIZED ANNEALED STEEL WIRE TWISTED IN NEW RUBBER HOSE.

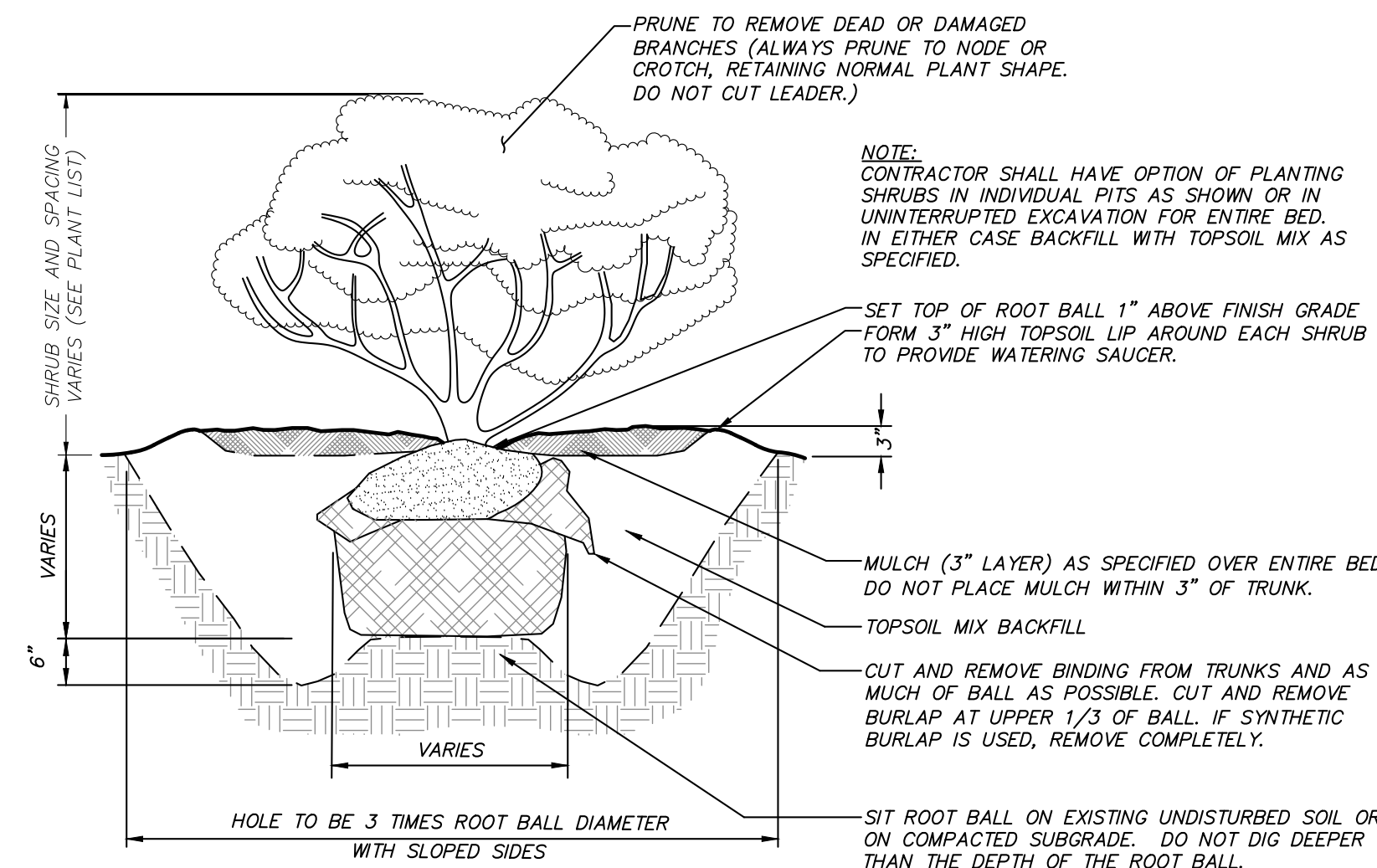
TWO (2) STRANDS, DOUBLE WRAPPED AND TWISTED.

TRUNK FLARE TO BE COMPLETELY EXPOSED. SET 1\"/>

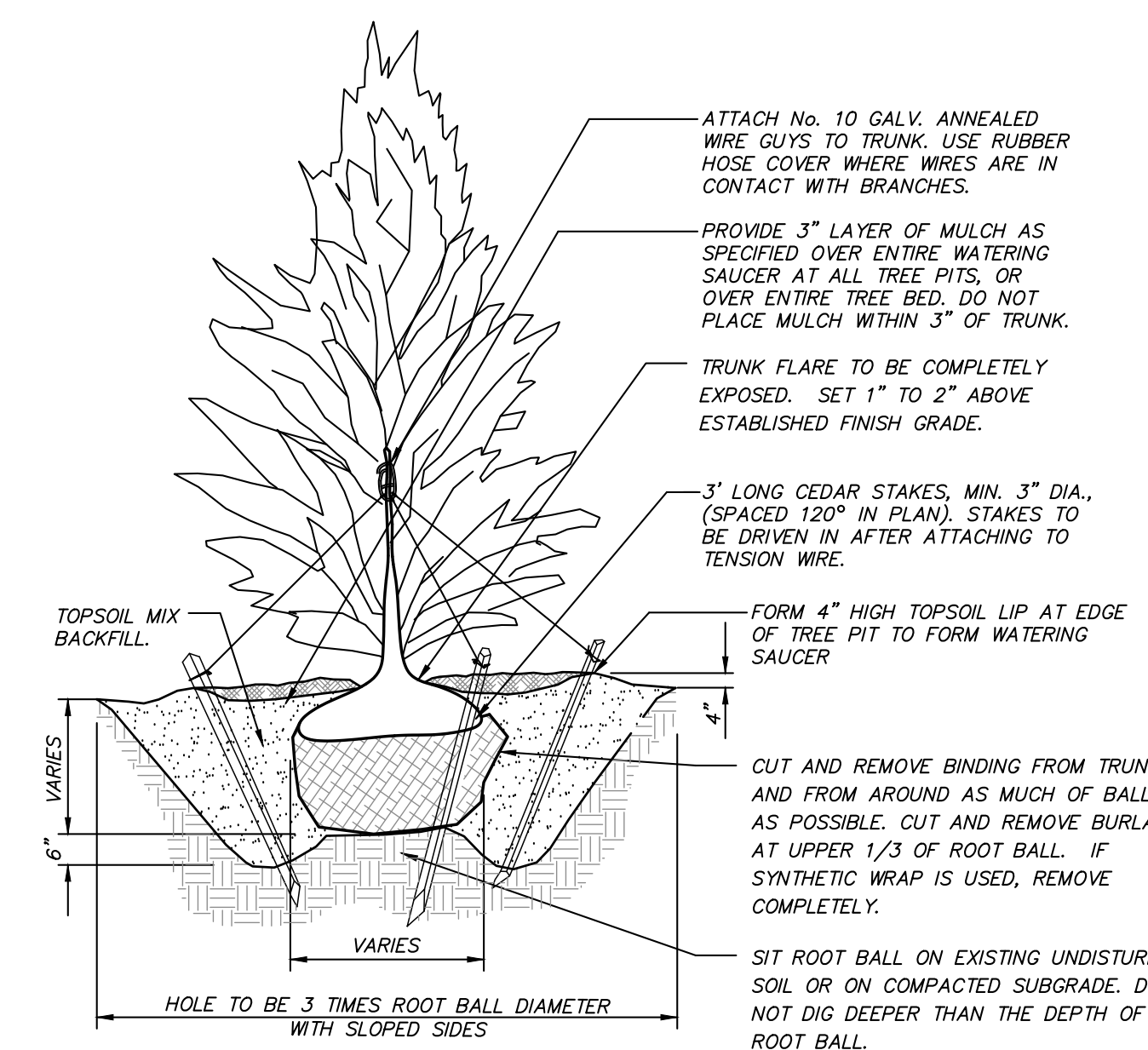


MODULAR BLOCK RETAINING WALL DETAIL
(N.T.S.)

- NOTES:
1. STRIP VEGETATION AND ORGANIC SOIL FROM WALL AND GEOSYNTHETIC ALIGNMENT.
 2. BENCH CUT ALL EXCAVATED SLOPES.
 3. DO NOT OVER EXCAVATE UNLESS DIRECTED BY SITE ENGINEER TO REMOVE UNSUITABLE SOIL.
 4. SITE ENGINEER SHALL VERIFY FOUNDATION SOILS AS BEING COMPETENT PER THE DESIGN STANDARDS AND PARAMETERS.
 5. LEVELING PAD SHALL CONSIST OF COMPACTED COARSE SAND OR CRUSHED GRAVEL, 6\"/>

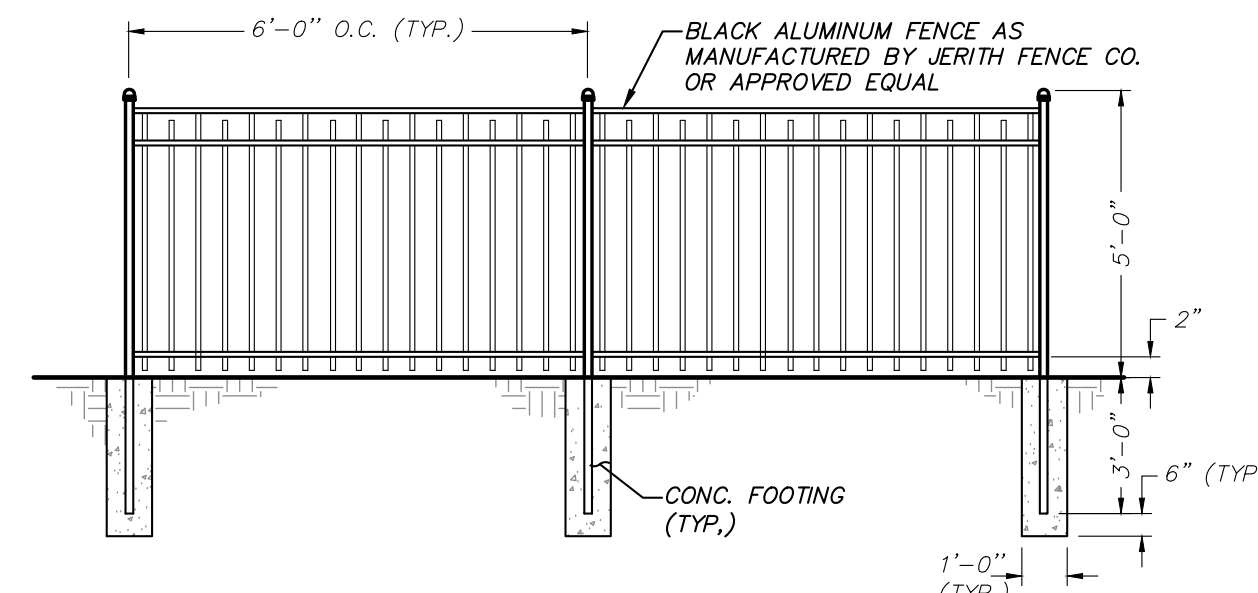


SHRUB PLANTING DETAIL
(N.T.S.)

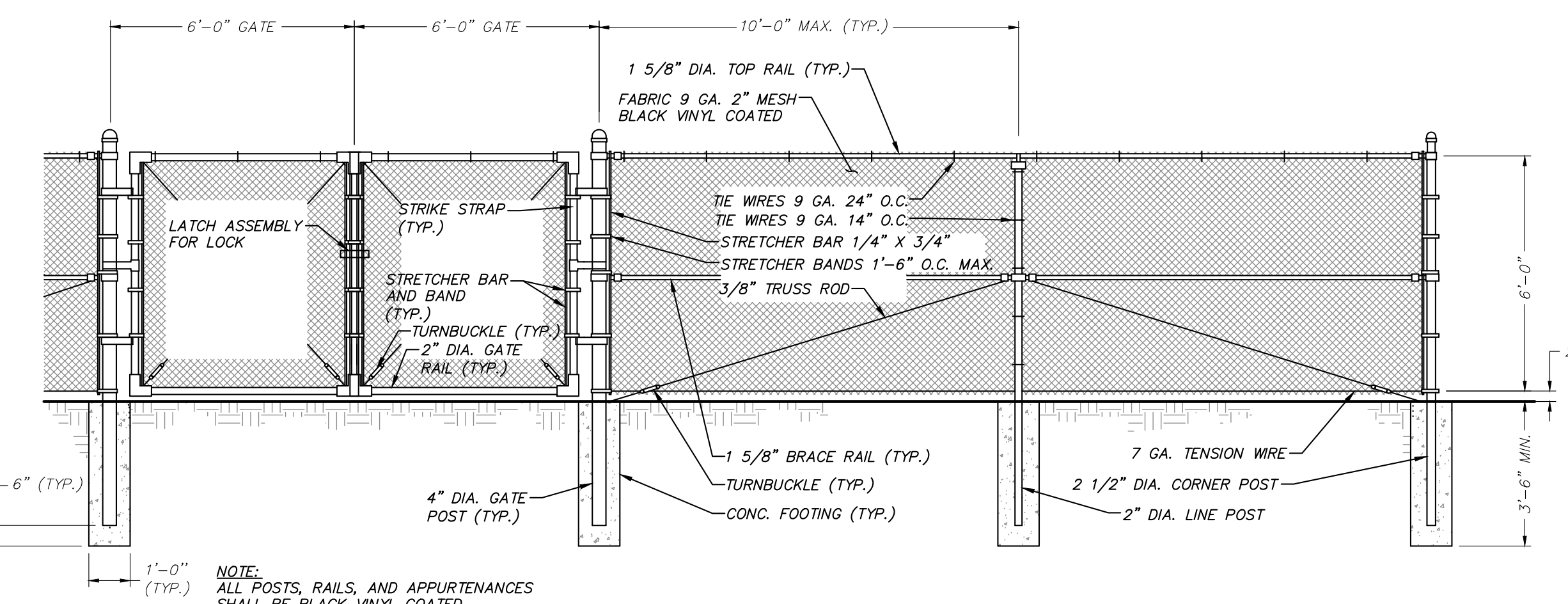


EVERGREEN TREE PLANTING DETAIL
(N.T.S.)

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 MONTHS OF PLANTING.



FENCE DETAIL
(N.T.S.)



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

4	3-26-25	REVISED PER VILLAGE COMMENTS	BDZ
3	2-26-25	REVISED PER VILLAGE COMMENTS	NFB
2	9-24-24	REVISED PER VILLAGE COMMENTS	NFB
1	8-1-24	REVISED PER VILLAGE COMMENTS	TSM
NO.	DATE	REVISION	BY

INSITE
ENGINEERING, SURVEYING &
LANDSCAPE ARCHITECTURE, P.C.

PROJECT:
1 CROTON POINT
CROTON POINT AVE. & VETERANS PLAZA, VILLAGE OF CROTON-ON-HUDSON, WESTCHESTER CO., NY

DRAWING:
DETAILS

PROJECT NUMBER: 24154.100
DATE: 7-11-24
SCALE: AS SHOWN

PROJECT MANAGER: R.D.W.
DRAWN BY: M.E.U.
CHECKED BY: D.L.M.

DRAWING NO.: **D-1**
SHEET: 7/10

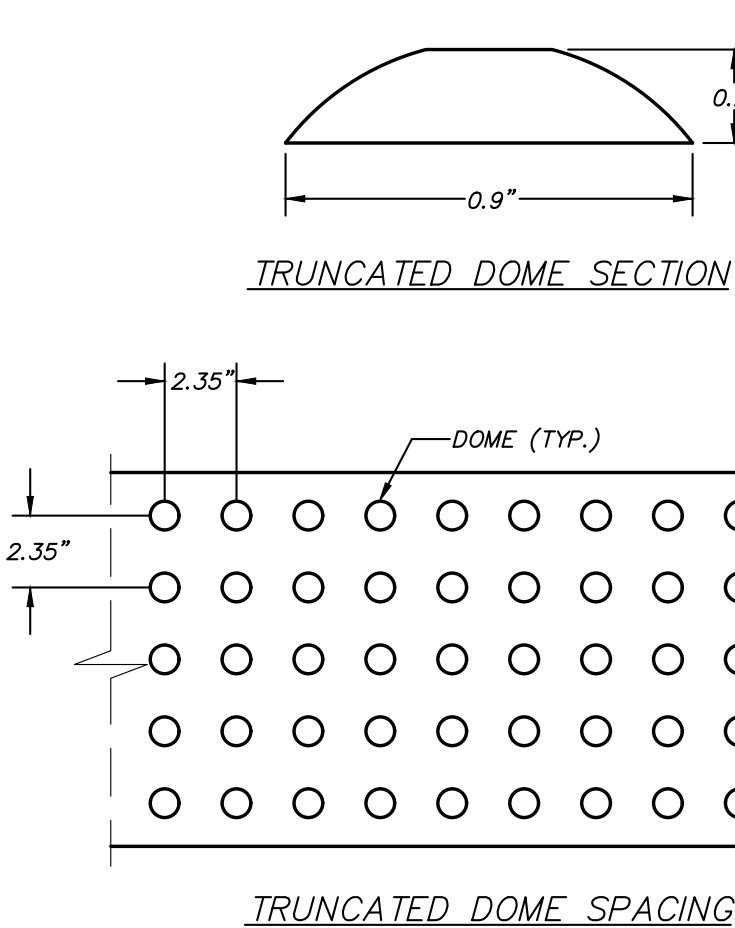
GENERAL NOTES FOR ACCESSIBLE ROUTES:

- Accessible routes to and within a site shall be provided from accessible building entrances to accessible pedestrian walkways, accessible facilities, accessible site elements and spaces, accessible parking spaces, access aisles, passenger loading zones, and to the public way, including public transportation stops, public streets and sidewalks.
- These sheets are in accordance with the Americans with Disabilities Act (ADA) and the NYS Building Code for Site Accessibility.
- Dimensions shown in the details as minimums and maximums are the limits for design and field layout. Facilities shall not be constructed with values outside the limits for work acceptance. See table "Design Element Tolerances" on this sheet.
- To check field layout and to verify work acceptance, all slopes and grades will be measured with a 4' long digital level using at least two readings. Where the readings vary, the measurements will be averaged. Grade (running slope) will be measured along the centerline and offset 1' to 1'-6" from the centerline. Cross slopes will be measured perpendicular to centerline at 5' to 10' intervals.
- Grade (running slope) are measured in the direction of pedestrian travel. Cross slopes are measured perpendicular to the direction of pedestrian travel.
- Joints between sidewalks, curbs, turning spaces and roadways shall be flush and free from abrupt vertical changes greater than 1/4". Vertical surface discontinuities between 1/4" and 1/2" shall be beveled with a slope not steeper than 1:1.25. The bevel shall be applied across the entire joint.
- Sidewalks are connected to roadways by either blended transitions or curb ramps. Blended transitions are connections between the sidewalk level and the roadway level that have a maximum grade (running slope) of 5.0%, and transitions greater than 5.0% are considered curb ramps.
- Curb ramps and blended transitions may require the installation of detectable warnings. See additional "Detectable Warning" notes on this sheet, and sidewalk and curb ramp details included in the site plan set.
- Vertical alignment shall be generally planar. Grade breaks within the pedestrian access route shall be perpendicular to the direction of travel and shall not be rounded.
- Sidewalk grade (running slope) shall not exceed 4.5% for design and layout, except when matching into existing sidewalk or when the highway grade is steeper. When adjacent road grade is greater than 5.0%, the sidewalk grade shall not exceed the adjacent road grade.
- The cross slope of pedestrian access routes shall be 1.5% maximum for design and layout, and 2.0% maximum for work acceptance. The following exceptions are allowed:
 - Where pedestrian street crossings are provided at intersections without yield or stop control, or where there is any traffic signal without a flashing red, the cross slope of a pedestrian access route contained within a street crossing shall be 4.5% maximum for design and layout, and 5.0% maximum for work acceptance.
 - Where midblock pedestrian street crossings are provided, the cross slope of a pedestrian access route contained within a midblock street crossing shall be permitted to equal the street or highway grade.
- Marked Accessible Parking Spaces and Access Aisles:
 - Dimensions – accessible parking spaces shall be at least 8' wide and shall have an adjacent access aisle 5' wide measured perpendicular to the stall stripe to accommodate vans with lifts.
 - Common access aisles for 30' parking – Two accessible parking spaces may share a common access aisle. For acute angled parking, such as 60° parking, or where one way driveway aisles would prevent vans with passenger side lifts from backing into accessible spaces, an accessible access aisle must be provided for each accessible parking space, with of access aisles and parking spaces are measured perpendicular to the striping.
 - Signing – each accessible parking space shall be marked by permanently installed signs which display the International Symbol of Access. Each access aisle shall be marked by permanently installed signs indicating that stopping is not permitted in the aisle. Signs shall not block the accessible clear width of adjacent walkways. Signs located where they may be hit by vehicles being parked shall be installed in a post base. The bottoms of the signs located on posts installed in paved areas shall be 7" minimum above the walkway surface. The bottoms of signs located in unpaved area shall be 7" minimum above the pavement surface.
 - Surface slopes – slopes at accessible parking spaces, access aisles, and adjoining walkways shall be 1.5% maximum in any direction for design and layout, and 2.0% maximum for work acceptance, while providing positive drainage.
 - Overhead clearance – vehicle access routes to and from accessible parking spaces, including in garages and open parking structures, shall have a minimum vertical clearance of 8'-2".
 - Pavement marking colors – required accessible parking space and access aisle striping and other optional pavement markings, such as the International Symbol of Access, shall be painted white or blue.
 - A smooth, flush transition must be provided between all pedestrian walkways, accessible parking spaces and aisles.
 - Where a change in direction is required to access a curb ramp from an access aisle, a turning space 4'-0" x 4'-0" minimum shall be provided at the base or the top of curb ramp, as applicable. The cross slope of turning spaces shall not exceed 1.5% in any direction for design and layout, and 2.0% for work acceptance, while providing positive drainage.

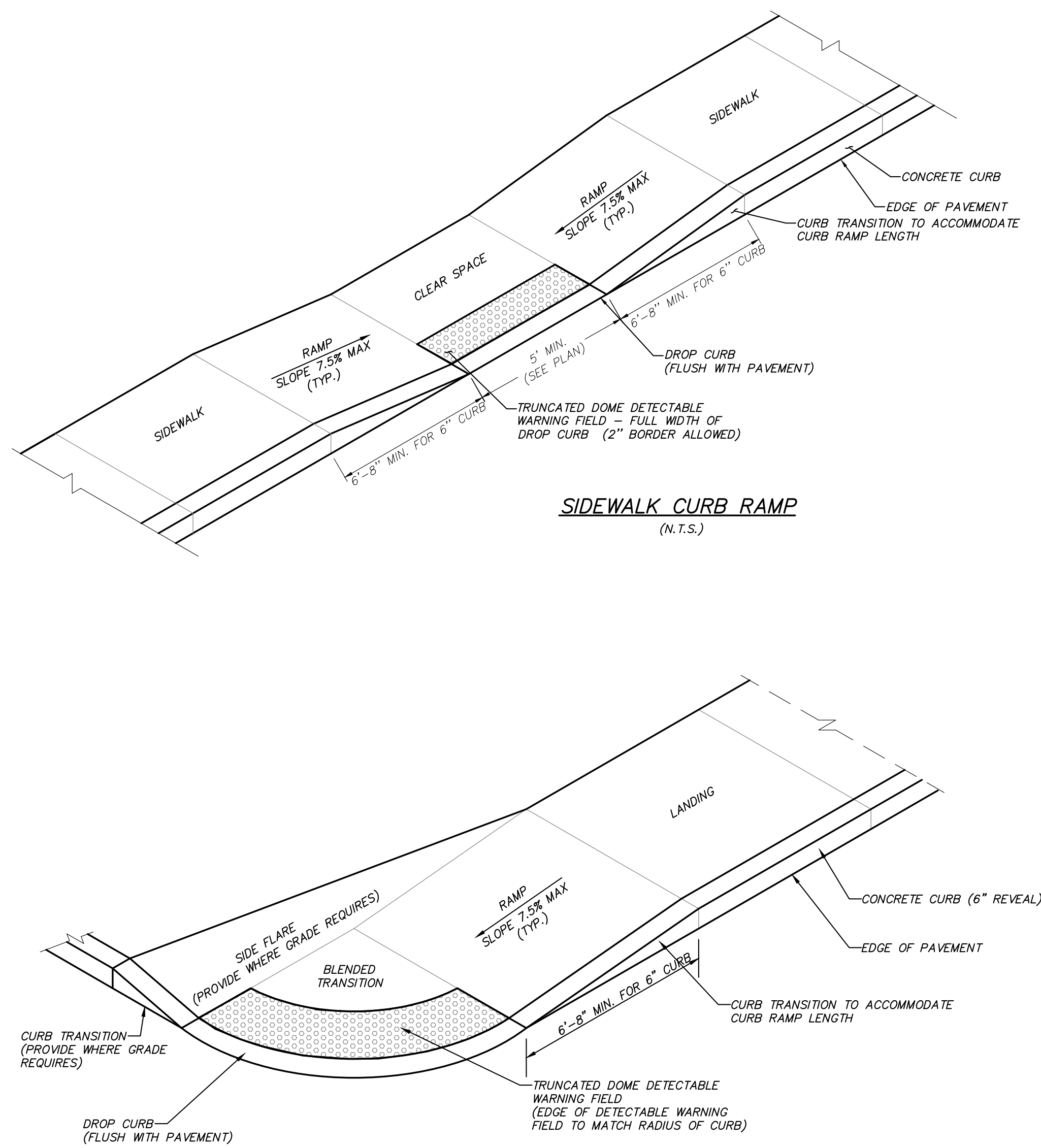
- Sidewalk Curb Ramps:
 - Walking surfaces of sidewalk curb ramps shall be stable, firm and slip resistant.
 - The minimum width of a curb ramp shall be 4'-0". Refer to site plans and sidewalk curb ramp details for curb ramp widths.
 - The grade (running slope) of a curb ramp shall be a minimum of 5.0%. The grade for design and layout shall be 7.5% maximum, and 8.3% maximum for ADA accessibility and work acceptance.
 - The cross slope of the curb ramp shall be as flat as possible and still provide positive drainage. The cross slope of a curb ramp shall not exceed 1.5% for design and layout, and 2.0% maximum for work acceptance.
 - Where provided, side flares for curb ramps where a pedestrian circulation path crosses the curb ramp shall be 9.0% maximum for design and layout, and 10.0% maximum for work acceptance. The slope of flared sides is measured parallel to the curb line.
 - Curb ramps at marked crosswalks shall be wholly contained within the markings, excluding any flared sides.
 - 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.
 - Where there are no vertical constraints at the back of sidewalk, (e.g., vertical curb, buildings, fences) the turning space dimensions shall be 4'-0" x 4'-0" minimum. Where the turning space is constrained at the back of sidewalk, the turning space shall be 4'-0" x 5'-0" minimum. The 5'-0" dimension shall be provided perpendicular to the constraint.
 - Turning spaces shall not be designed with cross slope greater than 1.5% in any direction for design and layout, while providing positive drainage. The maximum cross slope for work acceptance is 2.0%.
 - 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 curb.

- Detectable Warning:
 - Detectable warning surfaces shall be provided at curb ramps and blended transitions at pedestrian street crossings.
 - Detectable warning surfaces shall be provided where the pedestrian access route crosses driveways with signal, yield or stop control. Detectable warning surfaces shall not be provided at crossings of uncontrolled driveway aprons.
 - Some detectable warning products require a concrete border for proper installation. If required, the border shall not exceed 2". Where the back of curb edge is loaded to provide a radius, the border dimension shall be measured from the inside edge of the curb radius.
 - The details provided are not drawn to scale. The quantity of domes depicted on the detectable warning unit is for illustration only. The size of the detectable warning field shall be 2'-0" minimum in the direction of travel and shall extend the full width of the curb ramp or flush surface, excluding any flared sides. The width of the detectable warning field includes a concrete border, if provided.
 - On slopes of 5.0% or greater, the rows of domes shall be aligned to be perpendicular or radial to the lower grade break on the ramp run. Where domes are arrayed radially, they may differ in dome diameter and center-to-center spacing within the ranges specified on sheet 2 of the New York State Department of Transportation (NYSDOT) Standard Sheets 608-01. On slopes less than 5.0%, dome orientation is less critical and may differ from perpendicular or radial alignment to the grade break.
 - The detectable warning field shall be the color specified in the contract documents. Detectable warning surfaces shall contrast visually with adjacent gutter, street, highway, or pedestrian access route surface, either light-on-dark or dark-on-light.
 - Refer to sidewalk curb ramp details for additional information.

- Walkways Along an Accessible Route:
 - Walking surfaces shall be stable, firm and slip resistant.
 - Vertical changes in level along walking surface shall not exceed 1/4". Changes in level greater than 1/4" in height and not more than 1/2" shall be beveled with a slope not steeper than 1:1.25.
 - The running slope of the walking surfaces shall not be steeper than 4.5%.
 - The cross slope of a walking surface shall not be steeper than 1.5%.
 - The clear width of an accessible route shall be 5'-0" minimum.
 - An accessible route with a clear width less than 5'-0" shall provide passing spaces at intervals of 200' maximum. Passing spaces shall be 5'-0" minimum by 5'-0" minimum.
- Ramps along an accessible route:
 - Ramp runs shall have a running slope greater than 5.0%.
 - Ramp runs shall have a running slope of 7.5% maximum for design and layout, and 8.3% maximum for work acceptance.
 - The cross slope of ramp runs shall not exceed 1.5% for design and layout, and 2.0% maximum for work acceptance.
 - Walking surfaces of ramp runs and associated landings shall be stable, firm and slip resistant.
 - The clear width of a ramp run shall be 3'-0" minimum or as shown. Handrails and handrail supports provided on the ramp run shall not project into the required clear width of the ramp run or associated landing.
 - The maximum rise for any ramp is 2'-6".
 - The maximum run for any ramp is 30'-0".
 - Ramps shall have landings at the bottom and top of each ramp run. Landings shall have a slope not to exceed 1.5% for design and layout, and 2.0% maximum for work acceptance, while providing positive drainage. Landings shall have a clear length and width of 5'-0" minimum.
 - If the adjacent finished grades along sides of ramp and landings shall not have a vertical drop-off greater than 1/2" within 10' of the edge of the concrete. If the adjacent finished grades do not meet this criterion, a 4" minimum high curb shall be provided (see plan for location).
 - If drop-off to adjacent grade is 2'-6" or greater, "guards" will need to be provided to meet the requirements as specified in the NYS Building Code latest edition.
 - Refer to concrete handicap ramp detail for additional information.
- For access to and within refuse enclosures, refer to the Refuse Enclosure Detail.



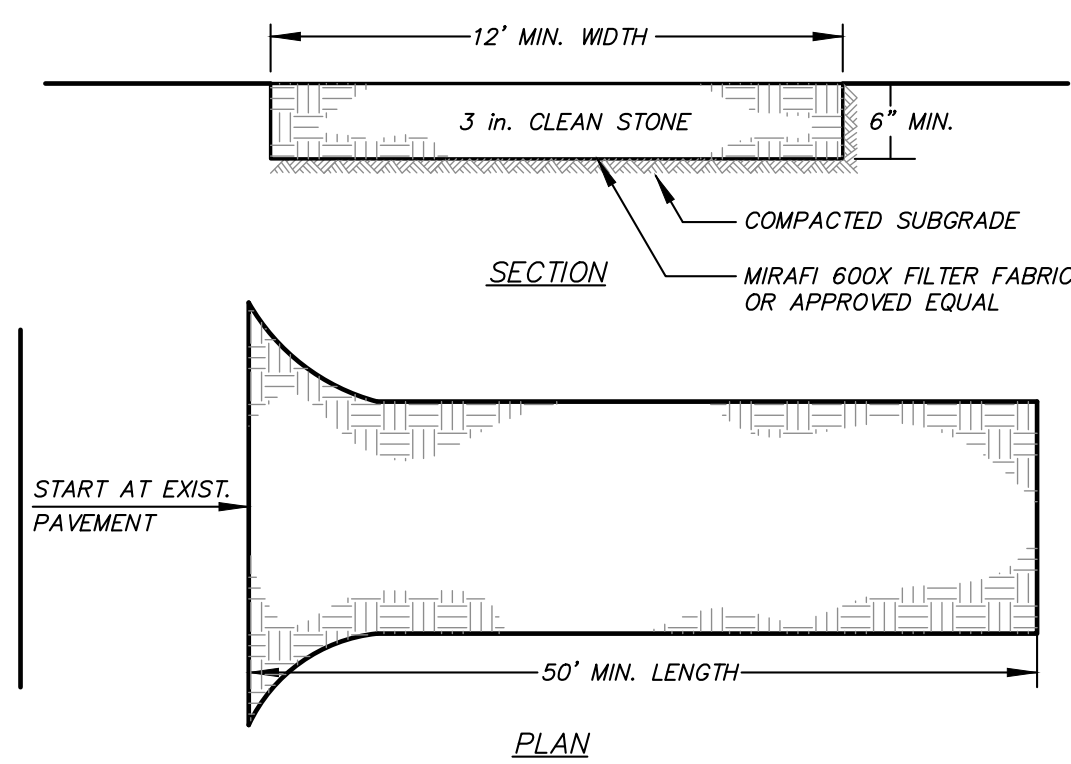
TRUNCATED DOME DETAIL (N.T.S.)



SIDEWALK CURB RAMP (N.T.S.)

NOTES:

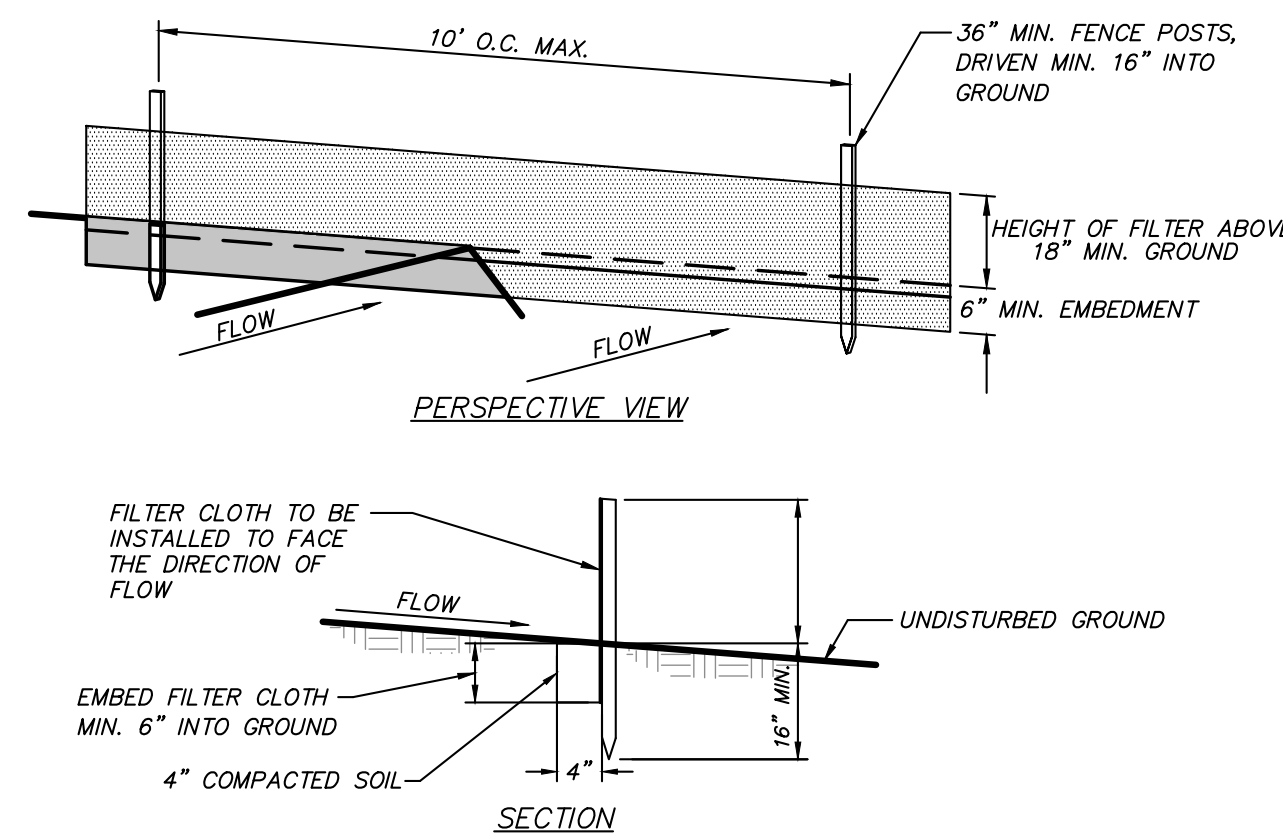
- The detectable warning field shall consist of raised truncated domes with a nominal diameter of 0.9 inches, a nominal height of 0.2 inches, and a nominal spacing of 2.35 inches on center in accordance with the Department of Justice-Code of Federal Regulations, 28 CFR Part 36, Chapter 4 "ADA Standards for Accessible Design", revised as of July 1, 1994.
- The details provided are not drawn to scale. The quantity of domes depicted on the detectable warning field (the domes and the entire 24 inch level surface) is for illustration only.
- The size of the detectable warning field shall be 24 inches in the direction of travel and shall extend the full width of the curb ramp or flush surface, exclusive of side flares.
- Detectable warnings shall be located so that the edge of the warning field nearest to the roadway or street surface is 8 inches to 8 inches from the edge of the roadway/street, or from the front of the dropped curb, where a dropped curb continues across the bottom of the sidewalk curb ramp.
- Domes shall be aligned on a square grid in the predominant direction of travel.
- The detectable warning field shall be the color specified in the contract documents. Detectable warning surfaces shall contrast visually with adjacent gutter, street, highway, or pedestrian access route surface, either light-on-dark or dark-on-light.
- Payment lines are the 24 inch dimension shown in the details extending the full width of the curb ramp and/or applicable surfaces.
- Provide a broom finish, flush to adjacent sidewalk/curb, on all areas to receive the detectable warning fields.



INSTALLATION NOTES

- STONE SIZE – USE 3" STONE
- LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY)
- THICKNESS – NOT LESS THAN SIX (6) INCHES.
- WIDTH – 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR. TWENTY FOUR (24) FOOT IF SINGLE ACCESS TO SITE.
- 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.
- 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.
- 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 CLEANTUP OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SOILED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
- 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.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

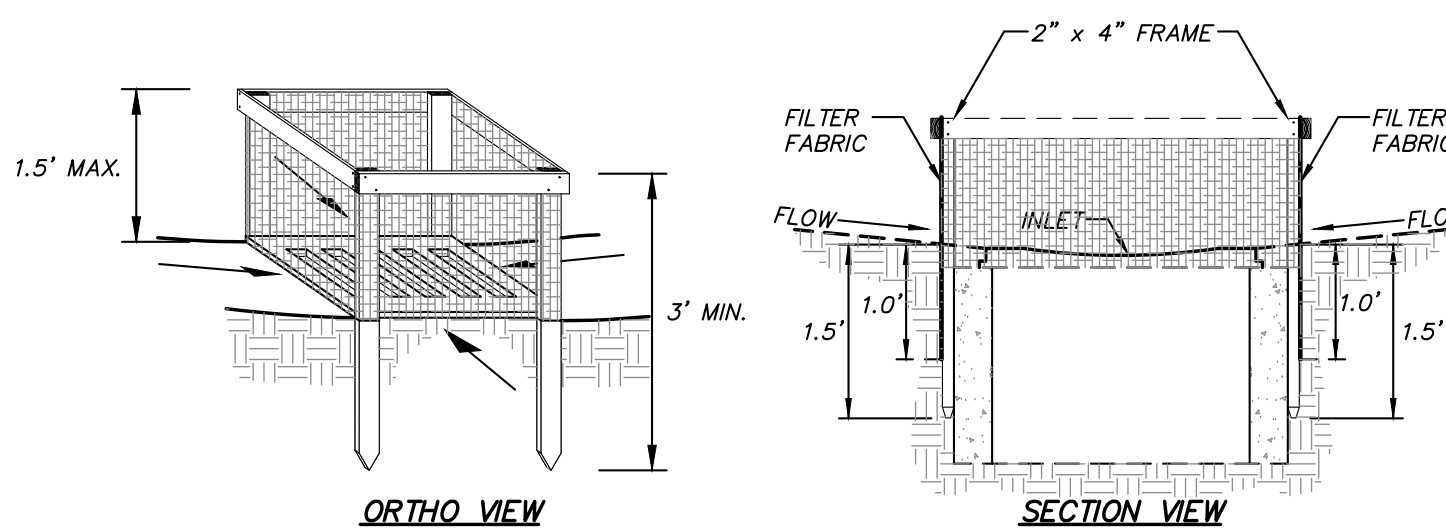
STABILIZED CONSTRUCTION ACCESS DETAIL (N.T.S.)



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "I" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

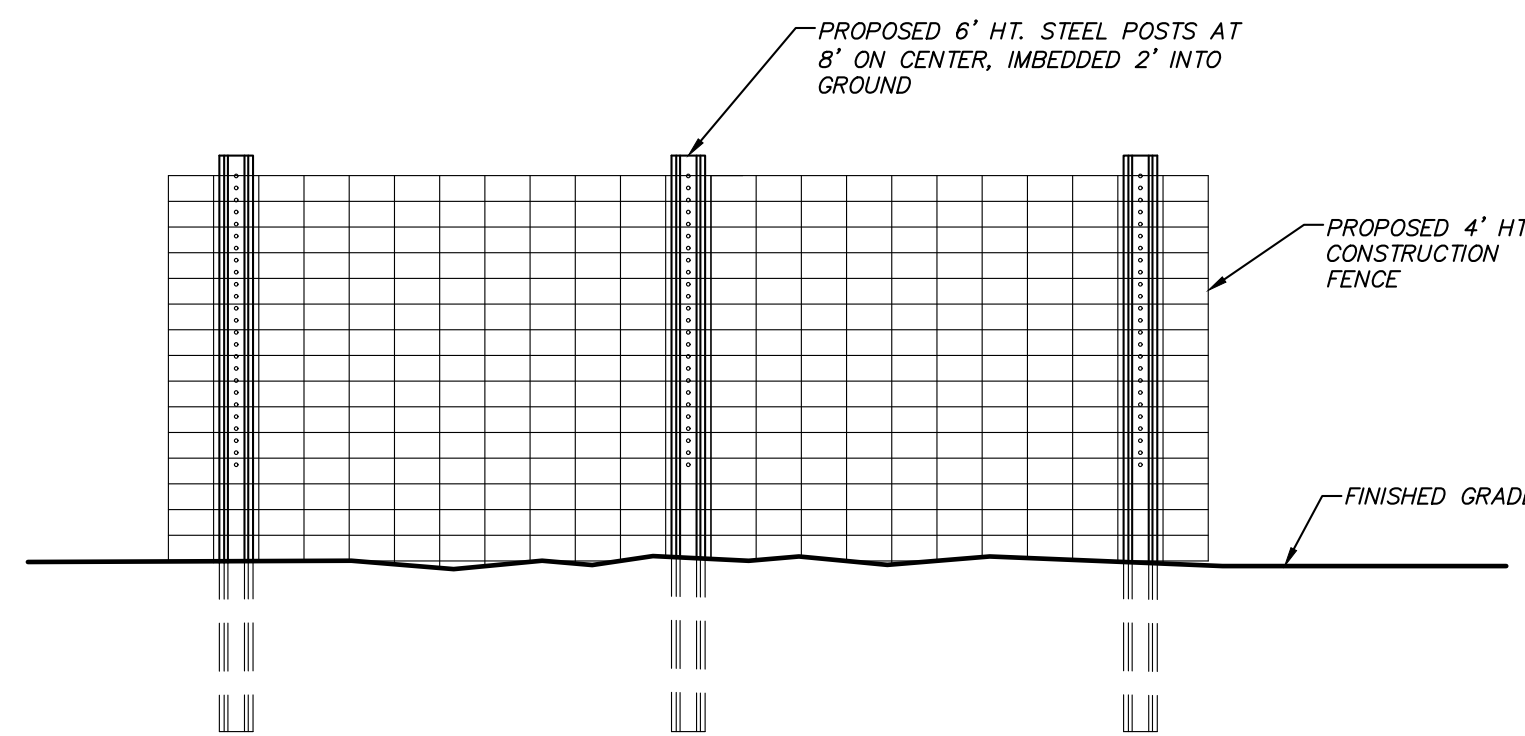
STANDARD SILT FENCE DETAIL (N.T.S.)



INSTALLATION NOTES

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

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



CONSTRUCTION FENCE DETAIL (N.T.S.)

NOTES

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

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

4	3-26-25	REVISED PER VILLAGE COMMENTS	BDZ
3	2-26-25	REVISED PER VILLAGE COMMENTS	NFB
2	9-24-24	REVISED PER VILLAGE COMMENTS	NFB
1	8-1-24	REVISED PER VILLAGE COMMENTS	TSM
NO.	DATE	REVISION	BY

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ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.

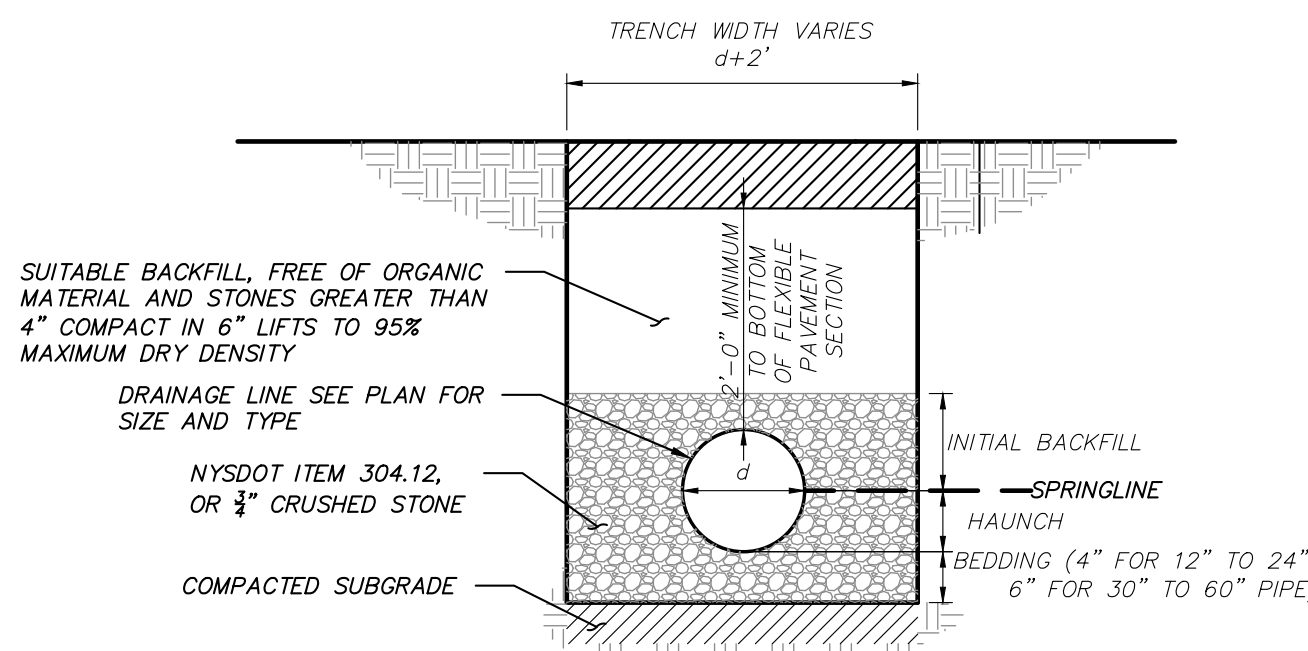
PROJECT: 1 CROTON POINT
CROTON POINT AVE. & VETERANS PLAZA, VILLAGE OF CROTON-ON-HUDSON, WESTCHESTER CO., NY

DRAWING: DETAILS

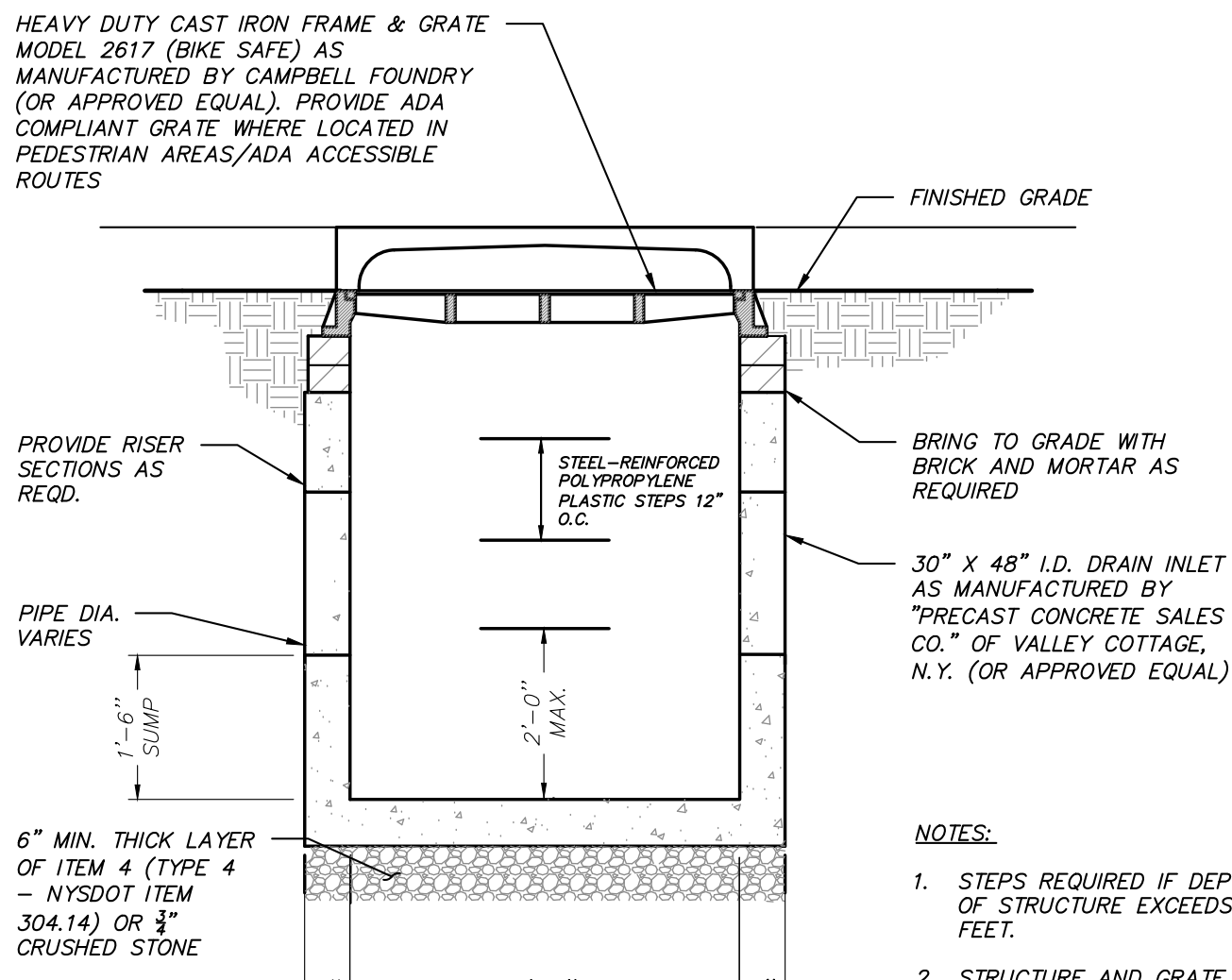
PROJECT NUMBER	24154.100	PROJECT MANAGER	R.D.W.	DRAWING NO.	SHEET
DATE	7-11-24	DRAWN BY	M.E.U.	D-2	8
SCALE	AS SHOWN	CHECKED BY	D.L.M.		10

3 Garrett Place
Croton, NY 10512
(845) 225-9690
(845) 225-9717 fax
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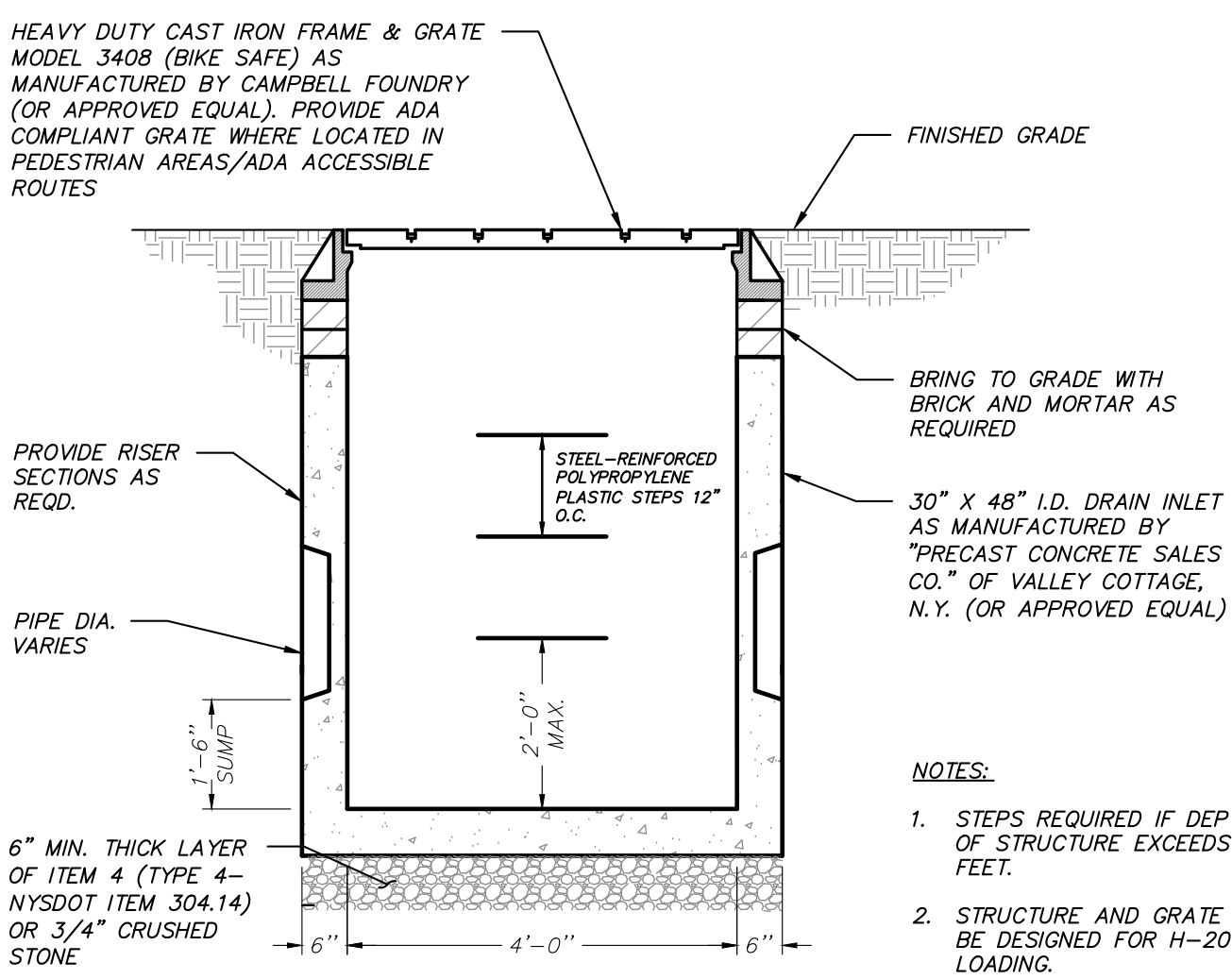
RICHARD D. WILLIAMS
REGISTERED PROFESSIONAL ENGINEER
NO. 135588



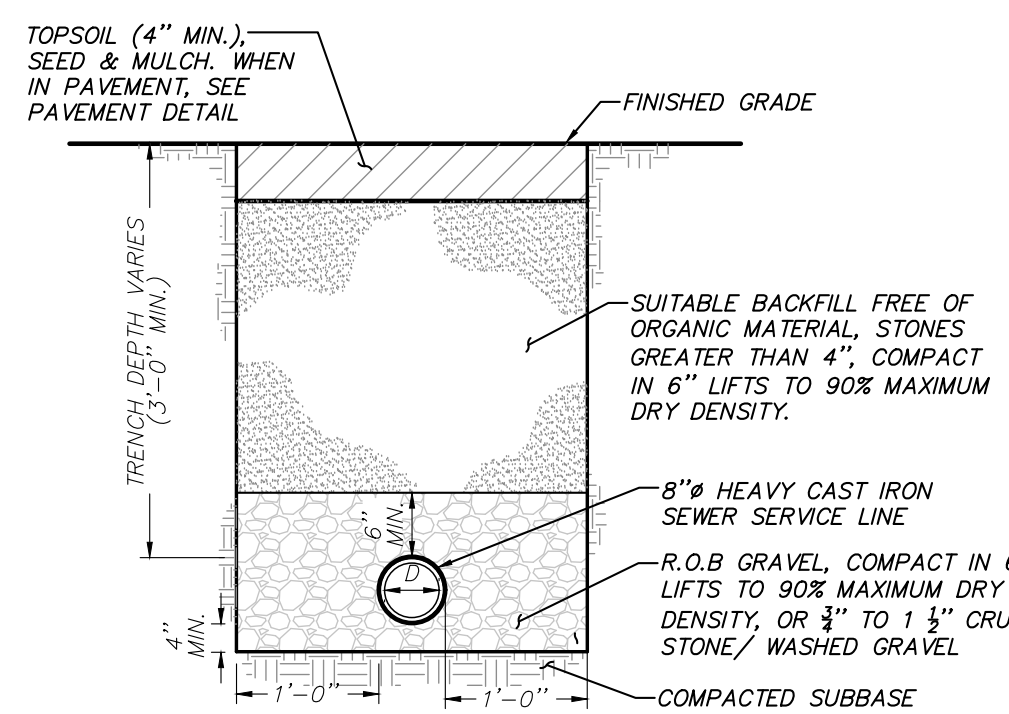
DRAINAGE LINE TRENCH DETAIL
(N.T.S.)



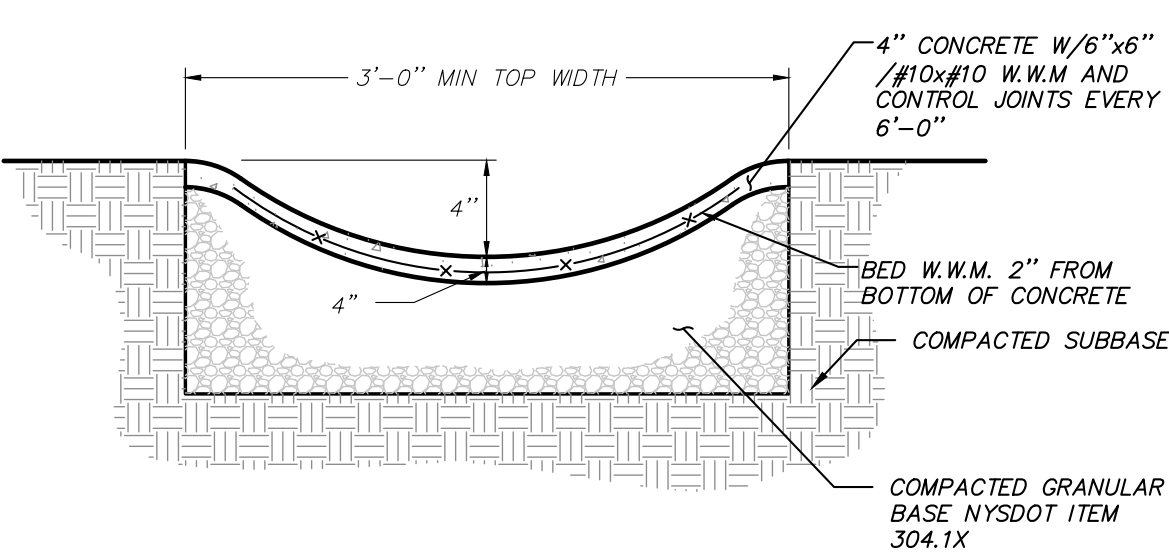
30" X 48" CATCH BASIN DETAIL
(N.T.S.)



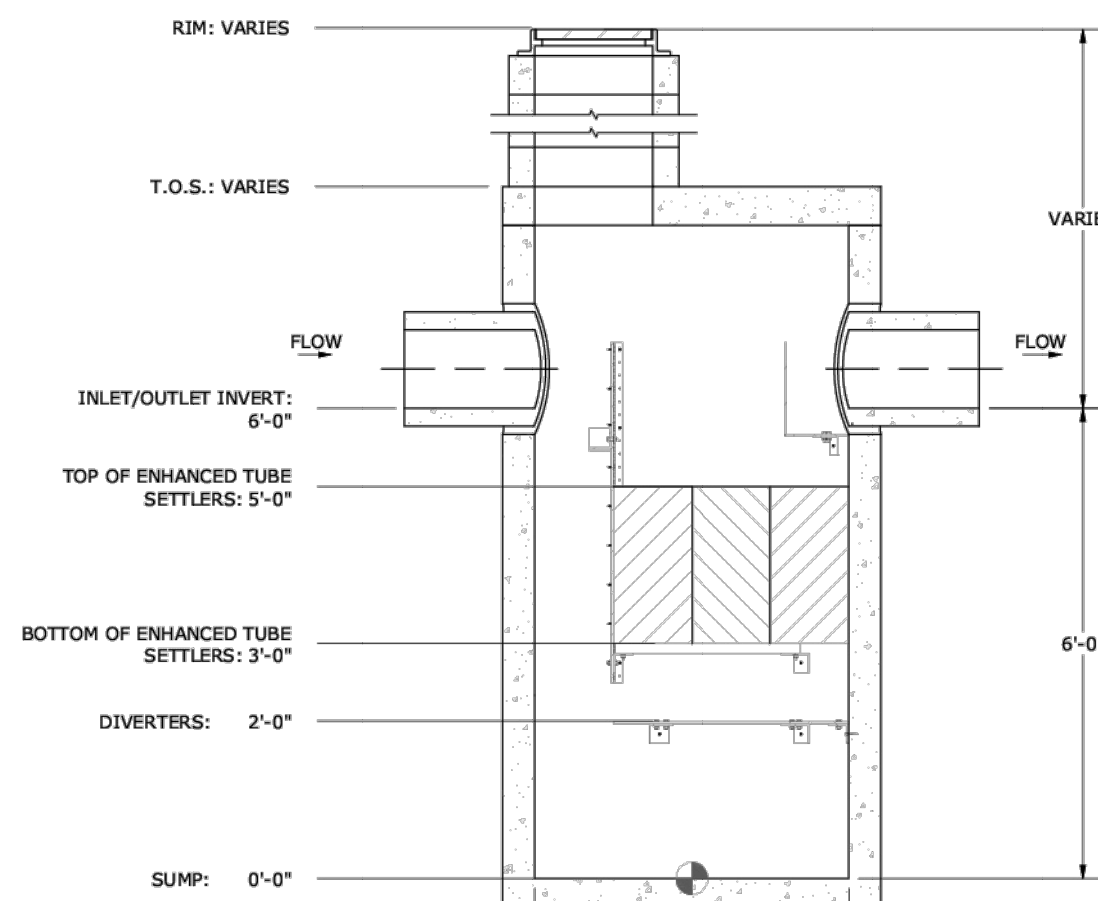
30" X 48" DRAIN INLET DETAIL
(N.T.S.)



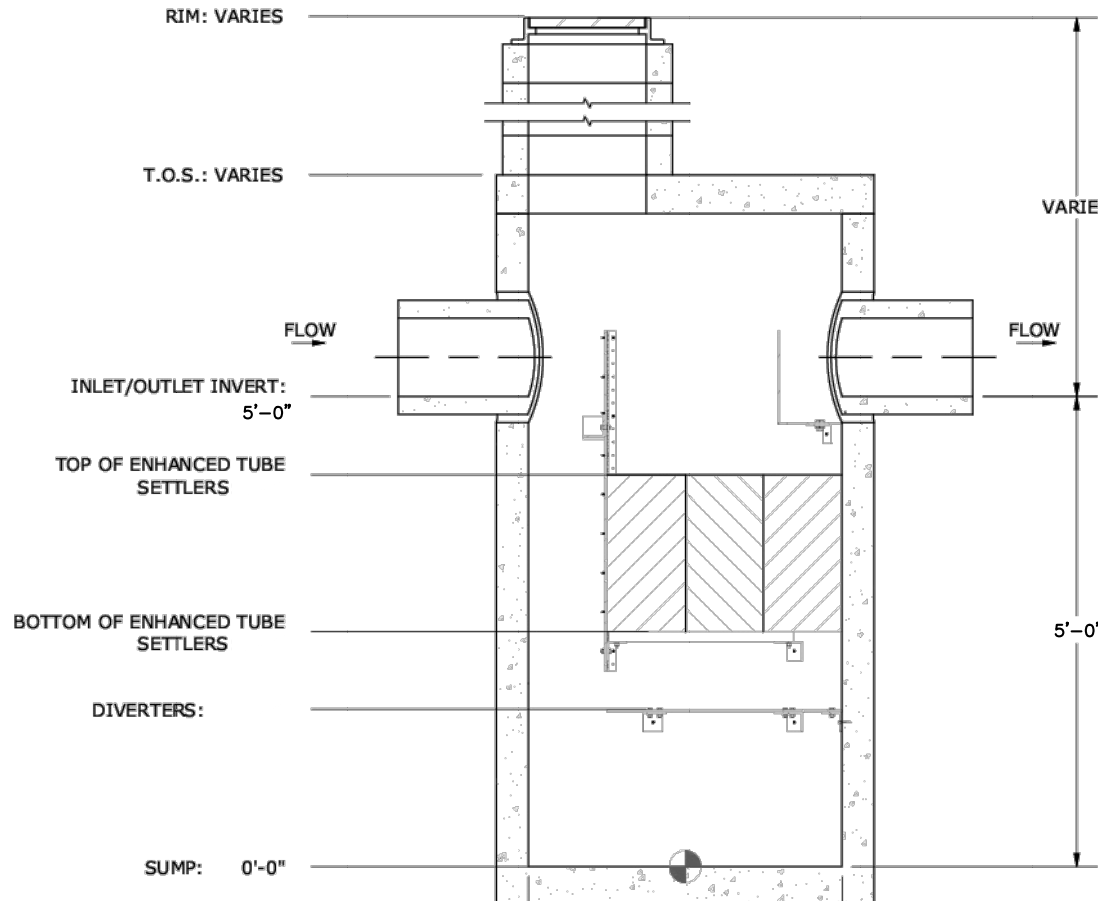
SEWER SERVICE LINE TRENCH DETAIL
(N.T.S.)



CONCRETE SWALE DETAIL
(N.T.S.)

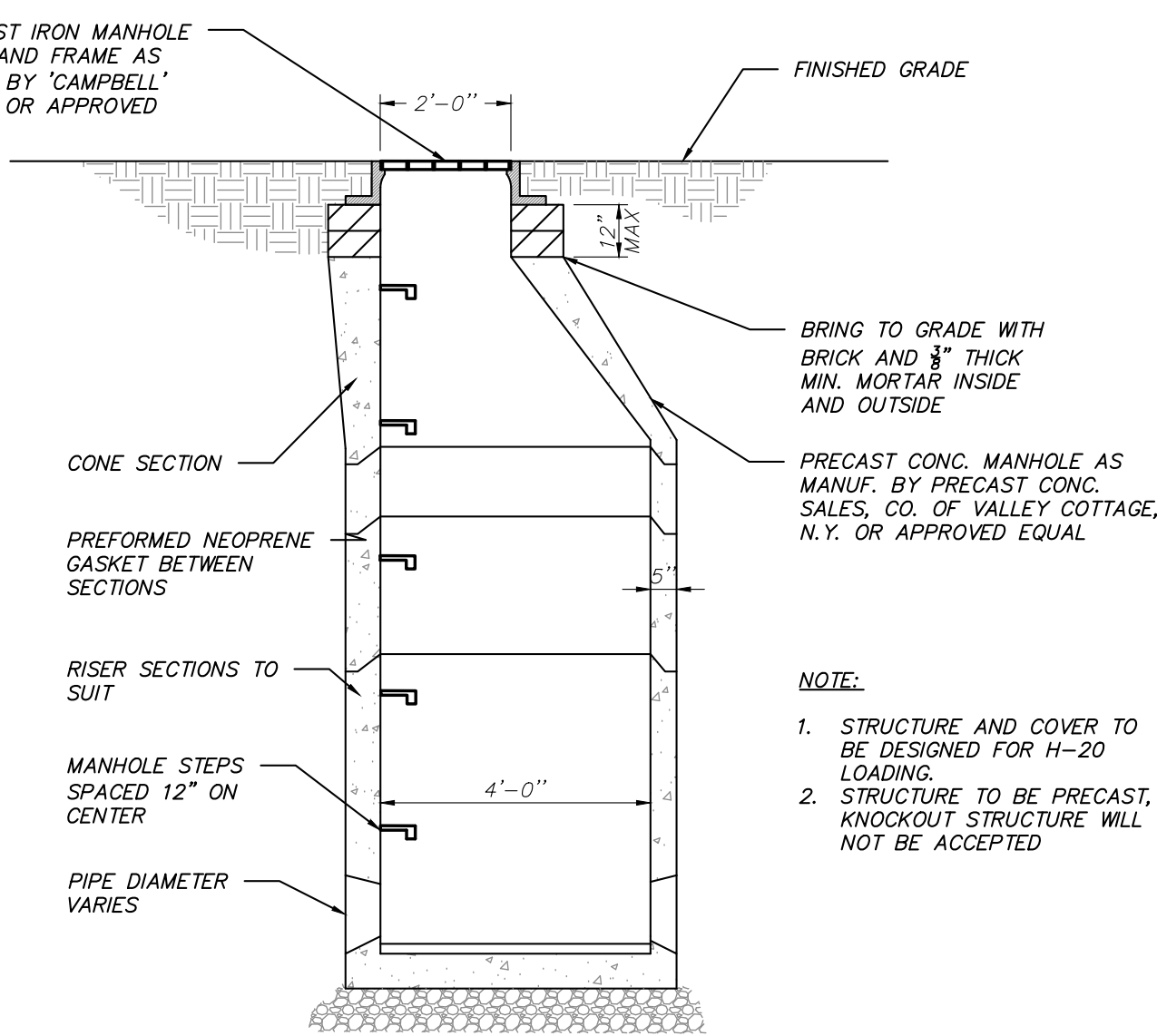


STORMTRAP STORMSETTLER 4 DETAIL
(N.T.S.)

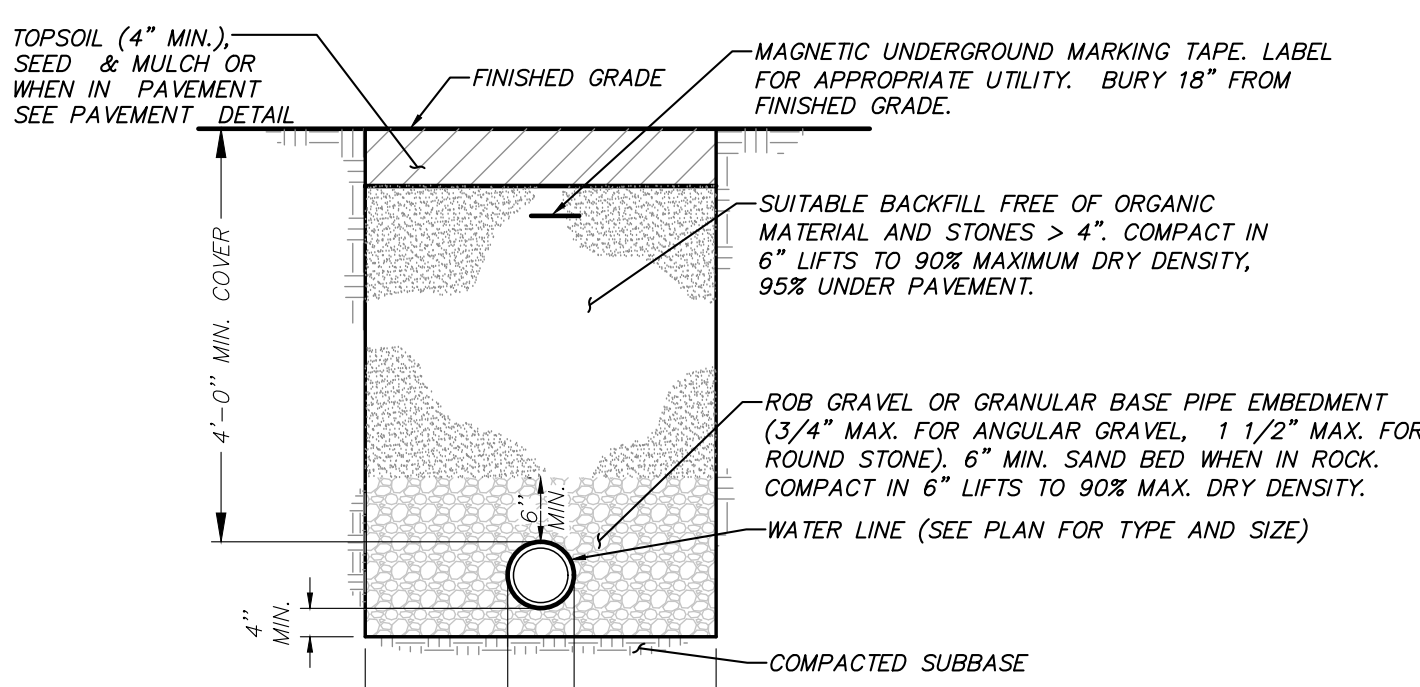


STORMTRAP STORMSETTLER 3 DETAIL
(N.T.S.)

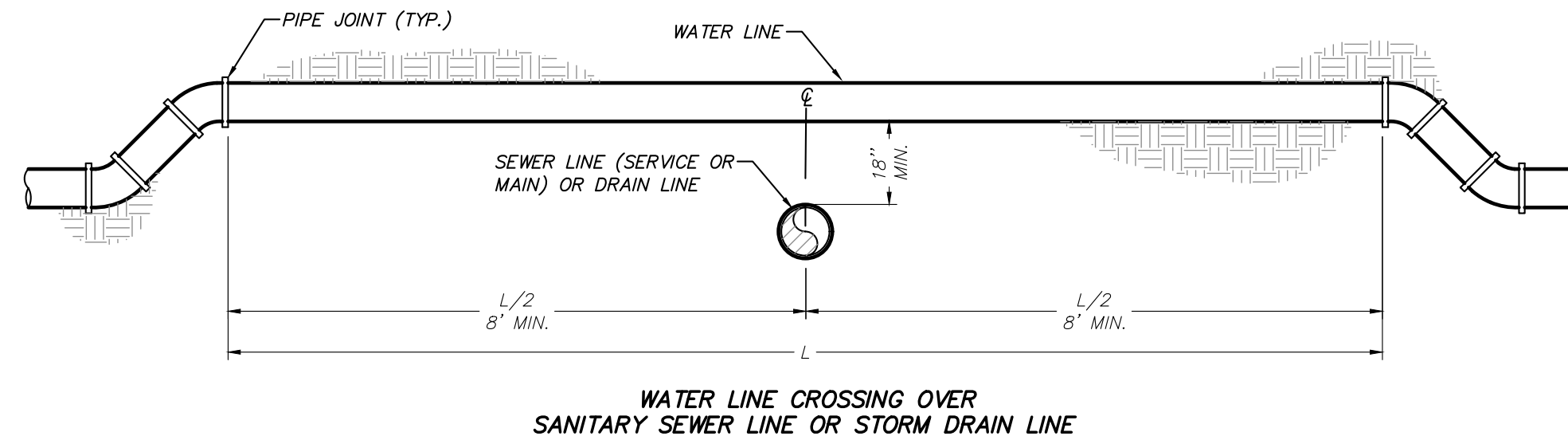
STRUCTURE	HYDRO DYNAMIC SEPARATOR MODEL	RIM ELEV.	INLET/OUTLET PIPE SIZE	INLET/OUTLET INV. ELEV.
HDS 1.1	STORMSETTLER-4	497.0	15" HDPE	492.0
HDS 2.1	STORMSETTLER-3	492.6	15" HDPE	490.0



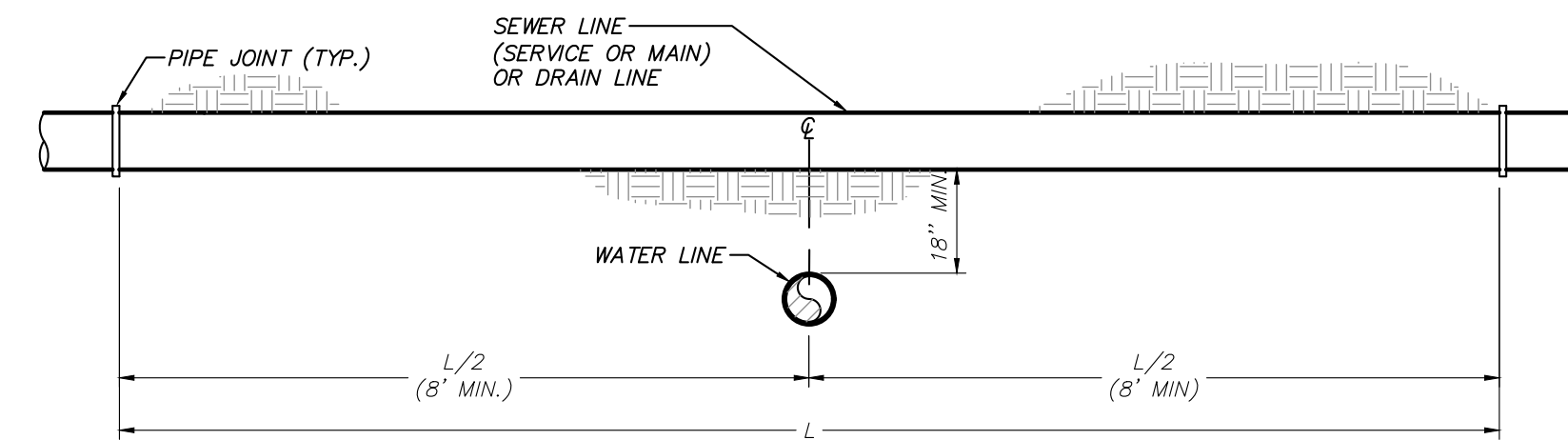
DRAINAGE MANHOLE DETAIL
(N.T.S.)



WATER LINE TRENCH DETAIL
(N.T.S.)



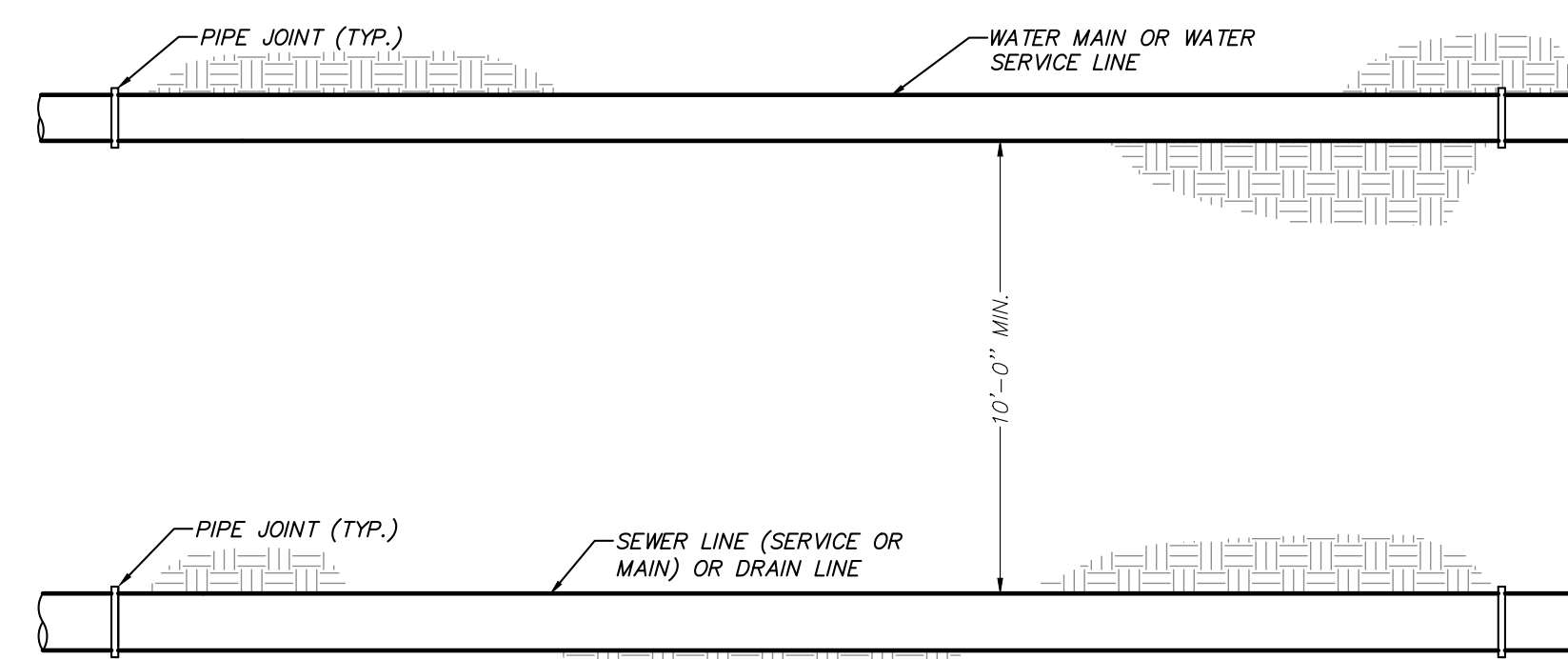
WATER LINE CROSSING OVER SANITARY SEWER LINE OR STORM DRAIN LINE



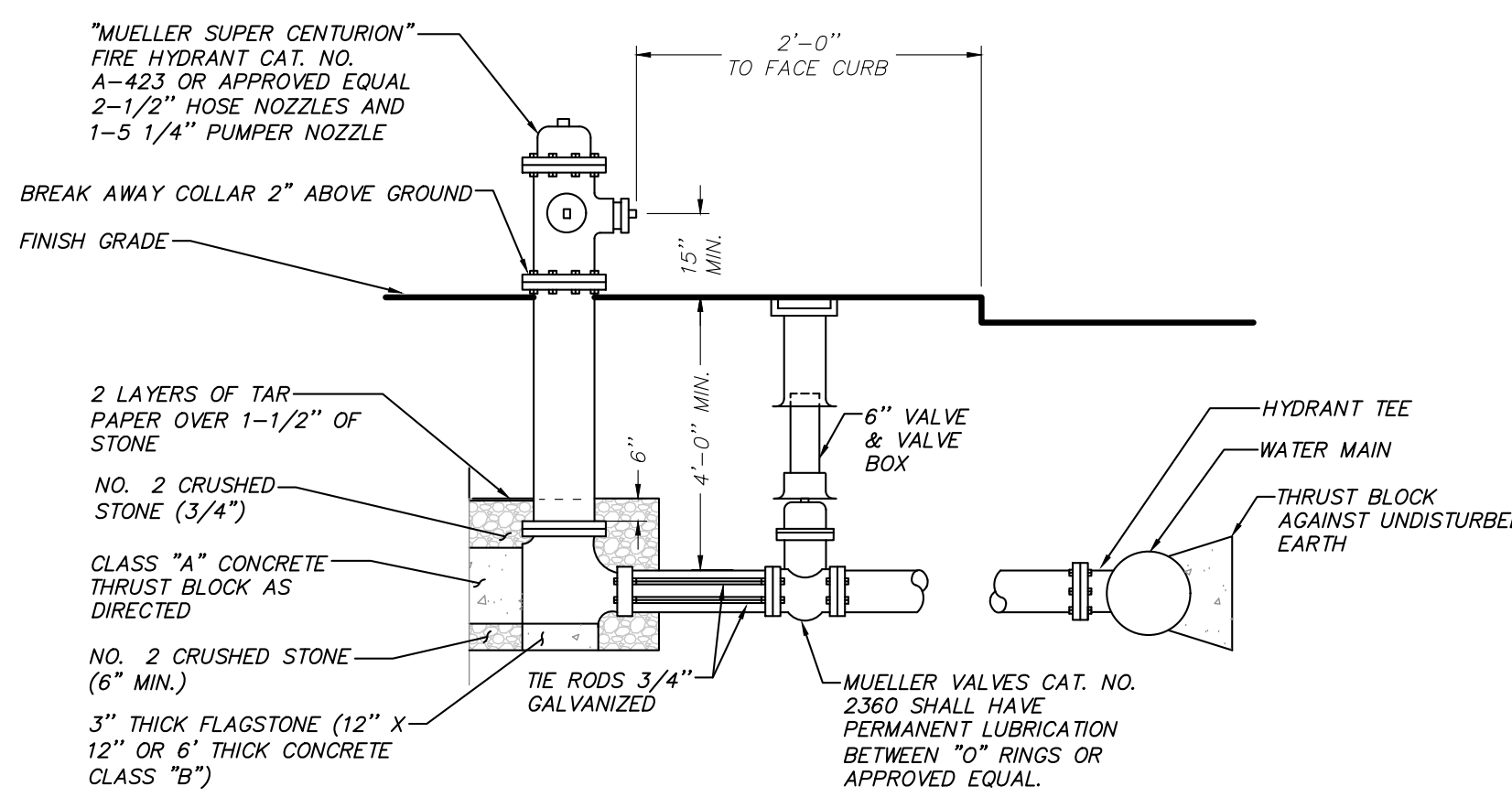
WATER LINE CROSSING UNDER SANITARY SEWER LINE OR STORM DRAIN LINE

- NOTES:
- WHEN 18" SEPARATION CANNOT BE MAINTAINED, THE WATER LINE SHALL BE ENCASED IN CONCRETE (SEE DETAIL) ONLY WITH PRIOR APPROVAL OF THE DESIGN ENGINEER AND DEPARTMENT OF HEALTH.
 - PROVIDE PIPE AND FITTING RESTRAINT AS REQUIRED.
 - THE 18" SEPARATION APPLIES TO WATER MAINS AND WATER SERVICE CONNECTIONS.

WATER LINE CROSSING DETAIL
(N.T.S.)

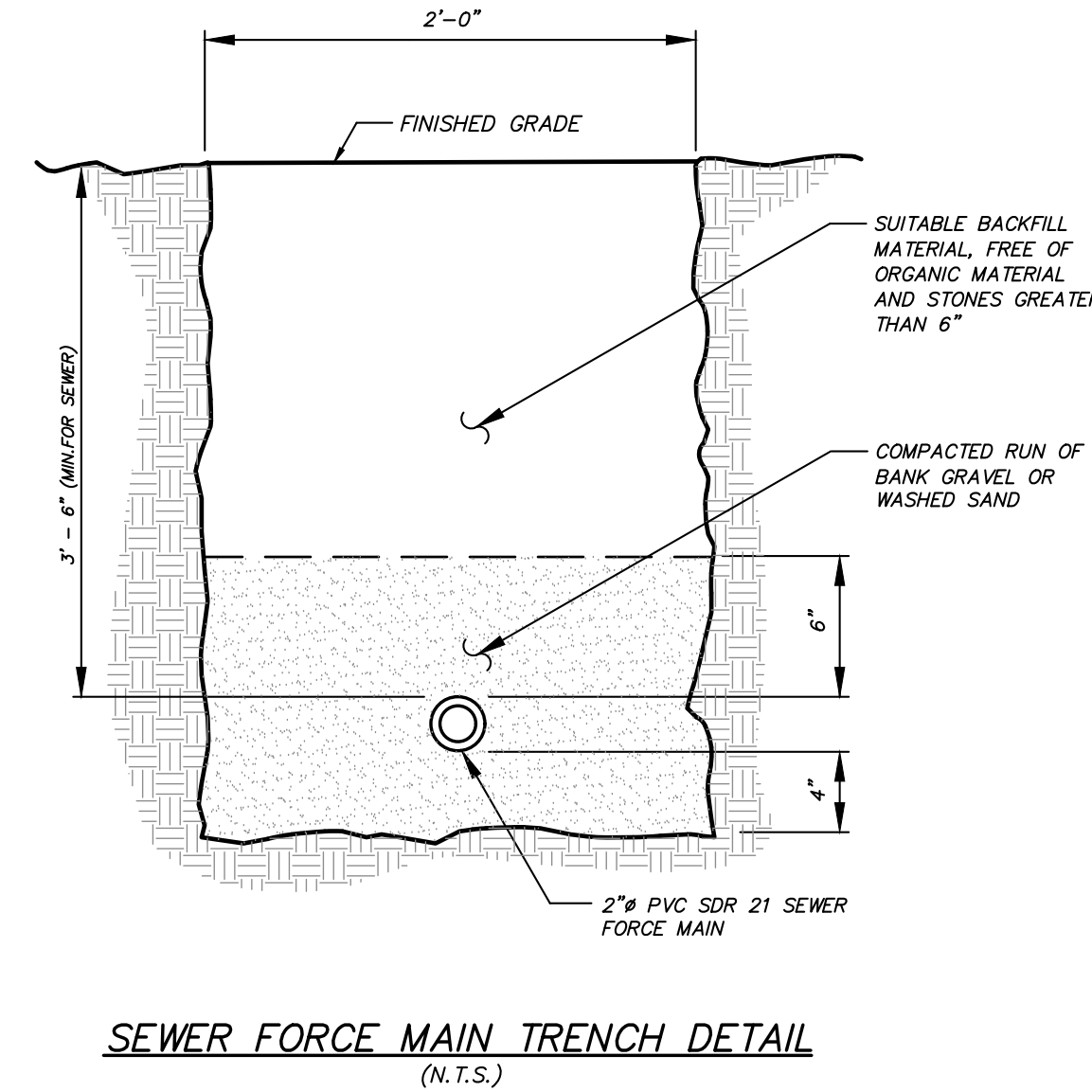


WATER LINE HORIZONTAL SEPARATION DETAIL
(N.T.S.)

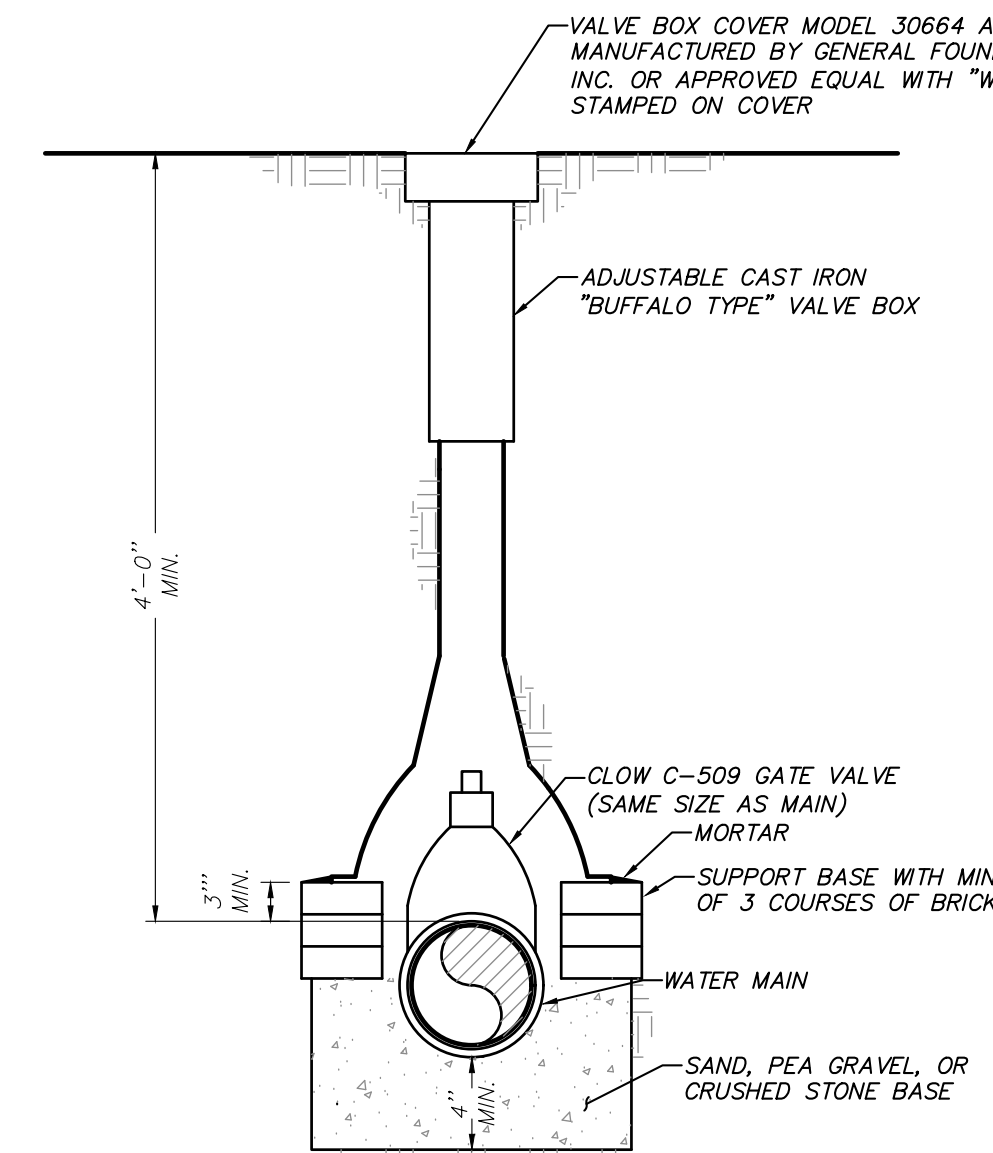


- HYDRANT NOTES:
- PUMPER OUTLET SHALL FACE STREET.
 - HOSE OUTLETS SHALL BE PARALLEL TO STREET.
 - 1-1/2" STONE SHALL BE PLACED AROUND THE HYDRANT FROM THE BOTTOM OF THE TRENCH, BUT AT LEAST 6" BELOW THE BASE OF THE HYDRANT TO 6" ABOVE THE WASTE OPENING AND TO A DISTANCE OF 12" AROUND THE ELBOW.
 - IF GROUND WATER IS ENCOUNTERED WITHIN 7" OF SURFACE, THEN HYDRANT DRAINS SHOULD BE PLUGGED, THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER. WHERE HYDRANT DRAINS ARE NOT PLUGGED, A GRAVEL POCKET OR DRY WELL SHALL BE PROVIDED UNLESS THE NATURAL SOILS WILL PROVIDE ADEQUATE DRAINAGE. HYDRANT DRAINS SHALL NOT BE CONNECTED TO OR LOCATED WITHIN 10 FEET OF SANITARY SEWERS OR STORM DRAINS.

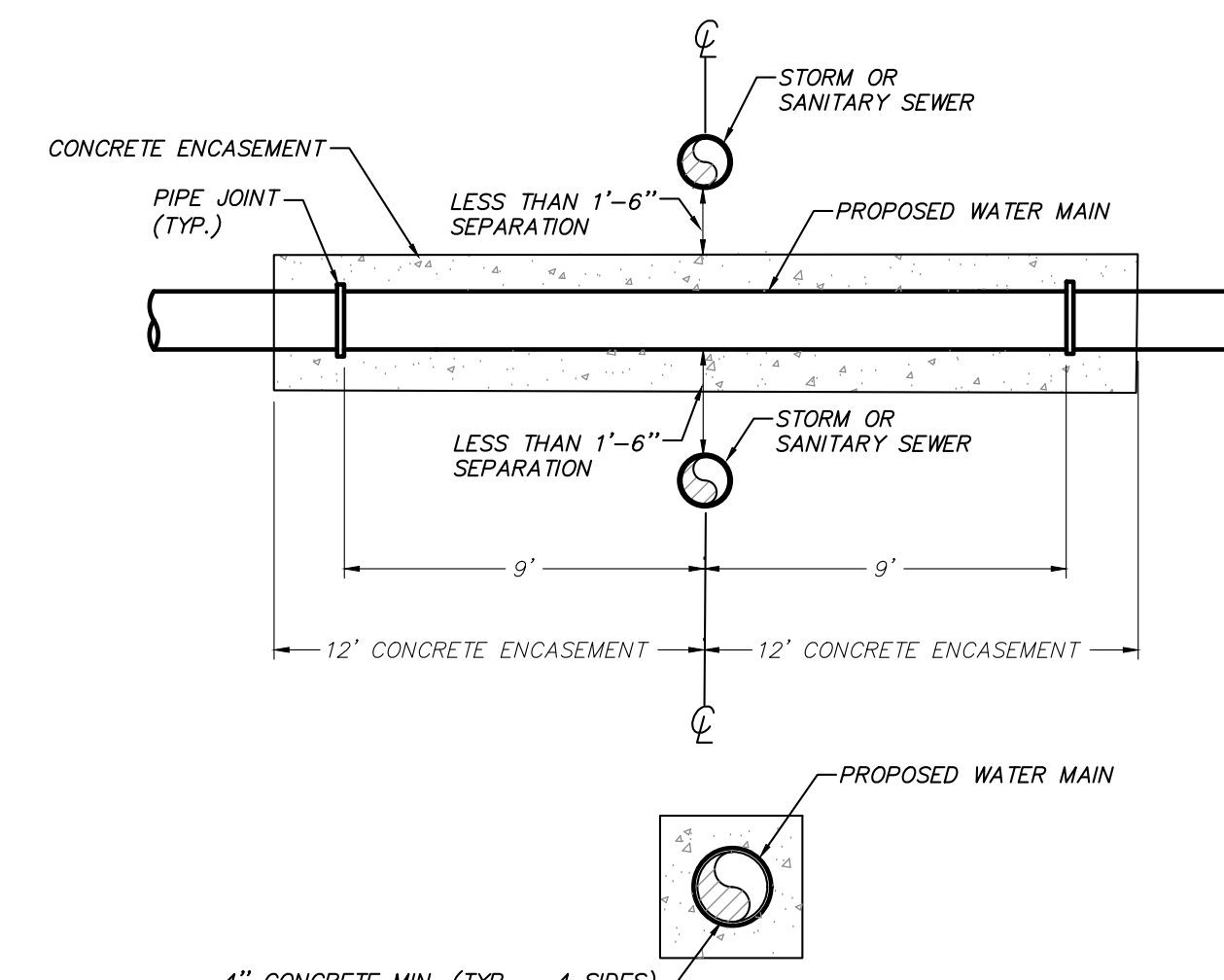
HYDRANT DETAIL
(N.T.S.)



SEWER FORCE MAIN TRENCH DETAIL
(N.T.S.)



WATER MAIN GATE VALVE DETAIL
(N.T.S.)



WATER MAIN CONCRETE ENCASEMENT DETAIL
(N.T.S.)

NOTE: CONCRETE ENCASEMENT IS ONLY TO BE USED WHEN 18" MINIMUM SEPARATION IS NOT POSSIBLE. CONCRETE ENCASEMENT REQUIRES PRIOR APPROVAL BY THE DESIGN ENGINEER & THE DEPARTMENT OF HEALTH.

3	3-26-25	REVISED PER VILLAGE COMMENTS	BDZ
2	2-26-25	REVISED PER VILLAGE COMMENTS	NFB
1	9-24-24	REVISED PER VILLAGE COMMENTS	NFB
NO.	DATE	REVISION	BY

INSITE
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PROJECT: **WB CROTON POINT**
CROTON POINT AVE. & VETERANS PLAZA, VILLAGE OF CROTON-ON-HUDSON, WESTCHESTER CO., NY

DRAWING: **DETAILS**

PROJECT NUMBER: 24154.100
DATE: 7-11-24
SCALE: AS SHOWN

PROJECT MANAGER: R.D.W.
DRAWN BY: M.E.U.
CHECKED BY: D.L.M.

DRAWING NO. **D-3**
SHEET 9 OF 10

STATE OF NEW YORK
RICHARD D. WILLIAMS
Professional Engineer
No. 135868

