

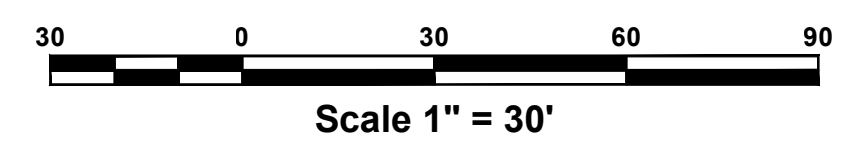
TREES LOCATED ON TOWN PROPERTY					Total Trees - 107
					Trees to remain - 50
					Trees to be removed - 57
Proposed Status	Tree #	D. B. H.	Common Name	Scientific Name	Notes
Keep	116	11"	Cottonwood	Populus deltoides	Uprooted and leaning in other tree
Keep	117	12"	Red Maple	Acer rubrum	
Keep	118	21"	Tulip tree	Liriodendron tulipifera	Adjacent tree is dead
Keep	119	13"	Tulip tree	Liriodendron tulipifera	
Keep	120	17"	Tulip tree	Liriodendron tulipifera	
Remove	121	12"	Norway Maple	Acer platanoides	
Keep	122	14"	Red Maple	Acer rubrum	
Keep	123	10"	Red Maple	Acer rubrum	
Keep	124	13"	Tulip tree	Liriodendron tulipifera	
Keep	125	9"	Tulip tree	Liriodendron tulipifera	
Keep	126	8"	Red Maple	Acer rubrum	
Remove	127	8"	Red Maple	Acer rubrum	
Remove	128	14"	Tulip tree	Liriodendron tulipifera	
Remove	129	26"	White Ash	Fraxinus americana	
Remove	130	18"	Tulip tree	Liriodendron tulipifera	Tree is decayed on pond side
Remove	131	10"	American Beech	Fagus grandifolia	
Remove	132	30"	Red Maple	Acer rubrum	Quadruple stem tree
Remove	133	26"	Red Maple	Acer rubrum	Tree is decayed
Remove	134	9"	Red Oak	Quercus Rubra	
Remove	135	27"	White Ash	Fraxinus americana	Double stem
Remove	136	18"	American Beech	Fagus grandifolia	
Keep	137	10"	Sugar Maple	Acer saccharum	
Keep	138	12"	White Ash	Fraxinus americana	
Keep	139	13"	Red Oak	Quercus Rubra	
Keep	140	30"	Cottonwood	Populus deltoides	
Remove	141	9"	American Beech	Fagus grandifolia	Small triple stem tree
Remove	142	8"	Yellow Birch	Betula allegheniensis	
Remove	143	11"	Black Birch	Betula lenta	
Remove	144	21"	Tulip tree	Liriodendron tulipifera	
Remove	145	10"	Yellow Birch	Betula allegheniensis	
Remove	146	8"	Yellow Birch	Betula allegheniensis	
Remove	147	11"	White Ash	Fraxinus americana	Dead
Remove	148	10"	Yellow Birch	Betula allegheniensis	
Remove	149	13"	Red Maple	Acer rubrum	
Remove	150	10"	White Ash	Fraxinus americana	Dead/declining
Remove	151	15"	Yellow Birch	Betula allegheniensis	
Remove	152	13"	White Ash	Fraxinus americana	Severely declining
Remove	153	11"	Yellow Birch	Betula allegheniensis	
Remove	154	18"	Yellow Birch	Betula allegheniensis	Double stem
Remove	155	9"	American Beech	Fagus grandifolia	
Remove	156	8"	American Beech	Fagus grandifolia	
Remove	157	16"	Red Maple	Acer rubrum	
Remove	158	15"	White Ash	Fraxinus americana	Dead standing stick
Remove	159	10"	American Beech	Fagus grandifolia	Storm damaged
Keep	160	33"	White Oak	Quercus alba	
Keep	161	16"	White Oak	Quercus alba	
Keep	162	10"	Black Birch	Betula lenta	
Keep	163	30"	American Beech	Fagus grandifolia	
Keep	164	21"	Black Birch	Betula lenta	
Keep	165	9"	American Beech	Fagus grandifolia	
Keep	166	9"	Sugar Maple	Acer saccharum	
Keep	167	12"	American Beech	Fagus grandifolia	
Keep	168	16"	Black Birch	Betula lenta	
Keep	169	17"	White Oak	Quercus alba	

Proposed Status	Tree #	D. B. H.	Common Name	Scientific Name	Notes
Keep	170	14"	Red Maple	Acer rubrum	
Remove	171	13"	American Elm	Ulmus americana	
Remove	172	8"	American Beech	Fagus grandifolia	
Remove	173	17"	Yellow Birch	Betula allegheniensis	
Remove	174	12"	Yellow Birch	Betula allegheniensis	
Remove	175	9"	American Beech	Fagus grandifolia	
Remove	176	14"	White Ash	Fraxinus americana	Leaning toward stream
Keep	177	9"	Red Maple	Acer rubrum	
Keep	178	8"	Tulip tree	Liriodendron tulipifera	
Keep	179	10"	Tulip tree	Liriodendron tulipifera	
Remove	180	24"	Tulip tree	Liriodendron tulipifera	
Remove	181	8"	American Beech	Fagus grandifolia	
Remove	182	20"	White Oak	Quercus alba	
Keep	183	12"	Red Maple	Acer rubrum	
Keep	184	10"	Red Maple	Acer rubrum	
Keep	185	12"	Red Maple	Acer rubrum	
Remove	186	11"	American Elm	Ulmus americana	Dead
Remove	187	24"	Yellow Birch	Betula allegheniensis	Triple stem
Remove	188	10"	Tulip tree	Liriodendron tulipifera	
Remove	189	17"	Red Maple	Acer rubrum	
Remove	190	13"	American Beech	Fagus grandifolia	
Remove	191	9"	American Beech	Fagus grandifolia	
Remove	192	9"	American Beech	Fagus grandifolia	
Remove	193	18"	Tupelo	Nyssa sylvatica	
Remove	194	12"	Red Maple	Acer rubrum	
Remove	195	28"	Tulip tree	Liriodendron tulipifera	
Remove	196	12"	American Elm	Ulmus americana	Dead
Remove	197	21"	American Beech	Fagus grandifolia	Triple stem
Remove	198	8"	Black Birch	Betula lenta	
Remove	199	10"	Tulip tree	Liriodendron tulipifera	
Keep	200	24"	White Oak	Quercus alba	
Keep	204	16"	American Beech	Fagus grandifolia	
Keep	205	20"	White Ash	Fraxinus americana	Dead standing
Keep	206	8"	American Beech	Fagus grandifolia	
Keep	207	9"	Sugar Maple	Acer saccharum	
Keep	208	10"	Tulip tree	Liriodendron tulipifera	
Keep	209	31"	White Oak	Quercus alba	
Keep	210	11"	Red Maple	Acer rubrum	
Remove	211	8"	Tulip tree	Liriodendron tulipifera	
Remove	212	20"	Tulip tree	Liriodendron tulipifera	In maintained area
Keep	213	21"	Tulip tree	Liriodendron tulipifera	In maintained area
Keep	214	18"	Tulip tree	Liriodendron tulipifera	In maintained area
Keep	215	17"	Tulip tree	Liriodendron tulipifera	In maintained area
Keep	216	17"	Tulip tree	Liriodendron tulipifera	In maintained area
Keep	217	23"	Catalpa	Catalpa speciosa	In maintained area
Keep	218	11"	Yellow Birch	Betula allegheniensis	Severely declining
Remove	219	16"	Tulip tree	Liriodendron tulipifera	
Remove	220	9"	Tulip tree	Liriodendron tulipifera	
Keep	221	16"	Tulip tree	Liriodendron tulipifera	
Keep	222	19"	Tulip tree	Liriodendron tulipifera	
Keep	223	15"	Tulip tree	Liriodendron tulipifera	
Keep	224	11"	Norway Maple	Acer platanoides	Severely declining, In maintained area
Keep	225	13"	Boxelder	Acer Negundo	

NOTE:
Trees were identified by Jeremiah Green with Care of Trees in June 2013.
The survey was completed by Terry Bergendorff Collins Land Surveying.

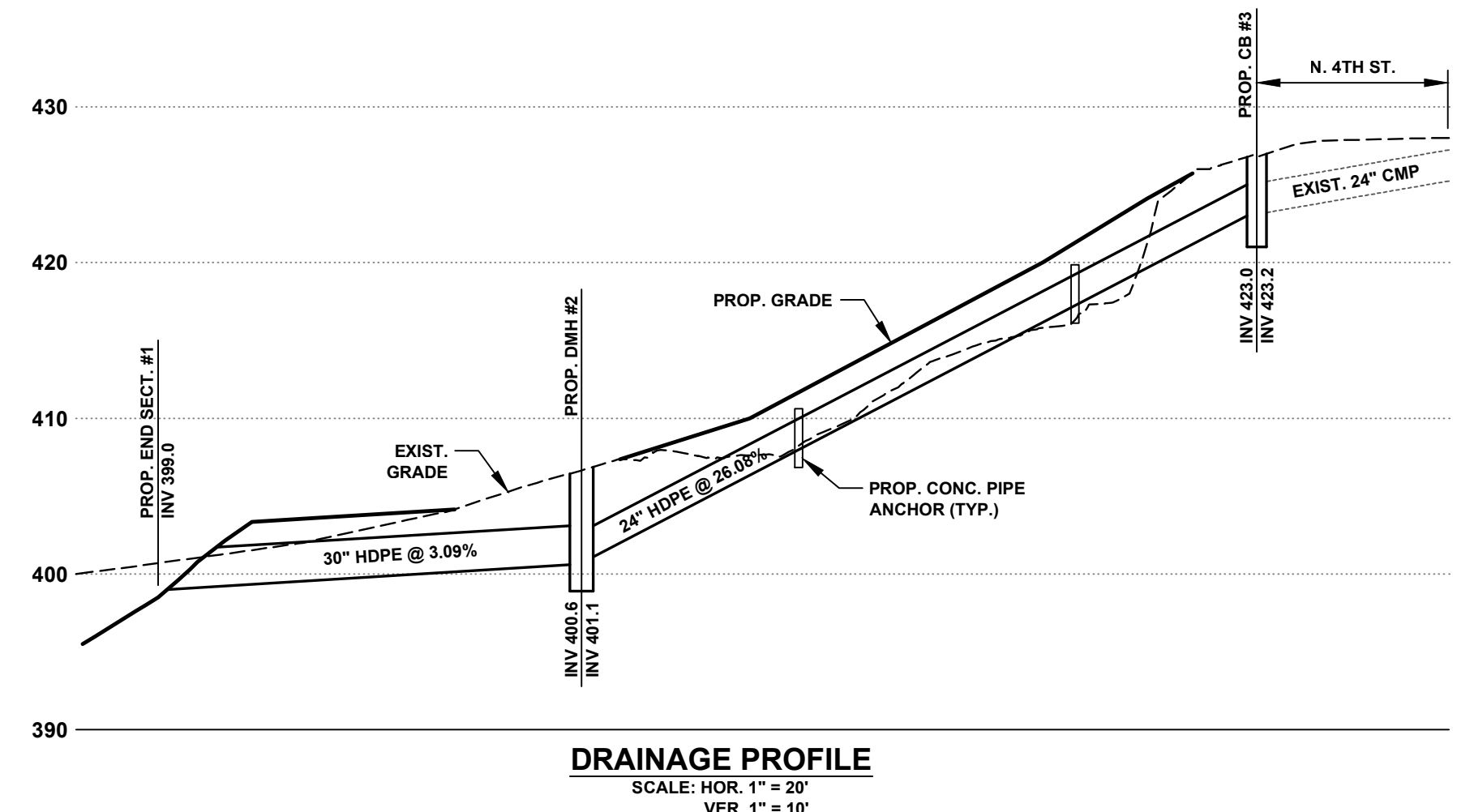
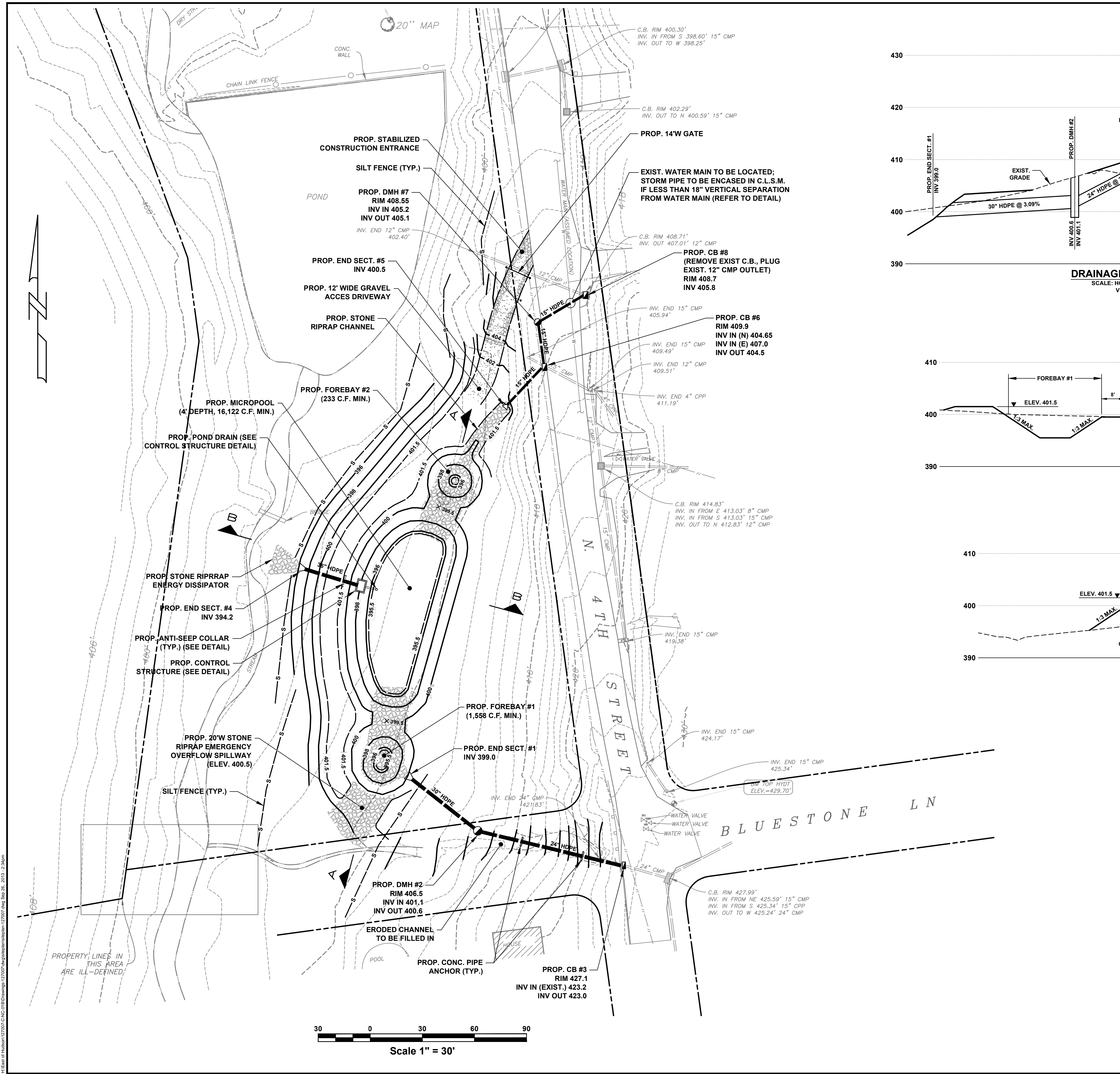


- LEGEND**
- EXIST. PROPERTY LINE
 - - - 400' - - - EXIST. CONTOUR LINE
 - ▣ EXIST. CATCH BASIN
 - EXIST. STORM PIPE
 - WV EXIST. WATER VALVE
 - ⊙ EXIST. UTILITY POLE
 - //—//— EXIST. OVERHEAD WIRE(S)
 - ✕ EXIST. TREE TO BE REMOVED
 - - - - - PROPOSED LIMIT OF DISTURBANCE

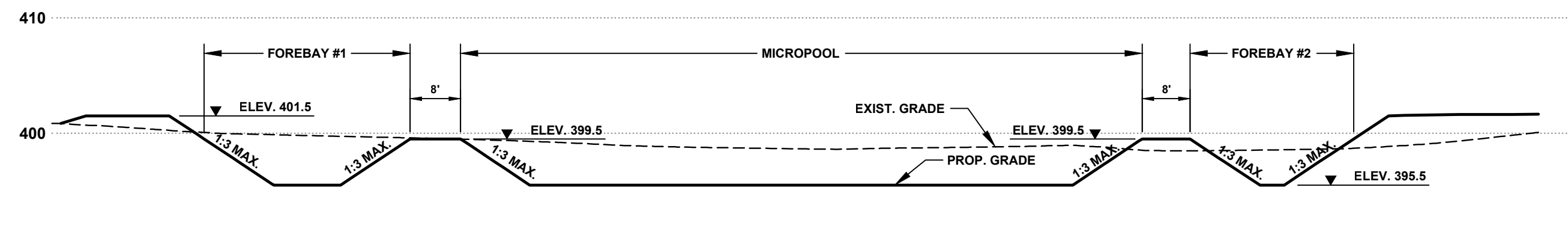


TITLE DEMOLITION & TREE REMOVAL PLAN		DATE 9/26/13	
PROJECT PROPOSED QUARRY ACRES - SOUTH STORMWATER RETROFIT PROJECT		SHEET NO. 1 of 5	
OWNER EAST OF HUDSON WATERSHED CORPORATION #C-NC-01B		SCALE 1" = 30'	
LOCATION TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK		DRAWING NO. C-1	
DESIGNER JAMES J. HAHN ENGINEERING, P.C.		PROJECT ADDRESS Putnam Business Park 1689 Route 22 Brewster, New York 10509 Tel: (845) 278-2220	
REV. DATE		UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 2209 (2) OF THE NEW YORK STATE EDUCATION LAW. THIS PLAN IS NULL AND VOID FOR CONSTRUCTION PURPOSES WITHOUT THE SIGNATURE AND SEAL OF THE DESIGN ENGINEER.	

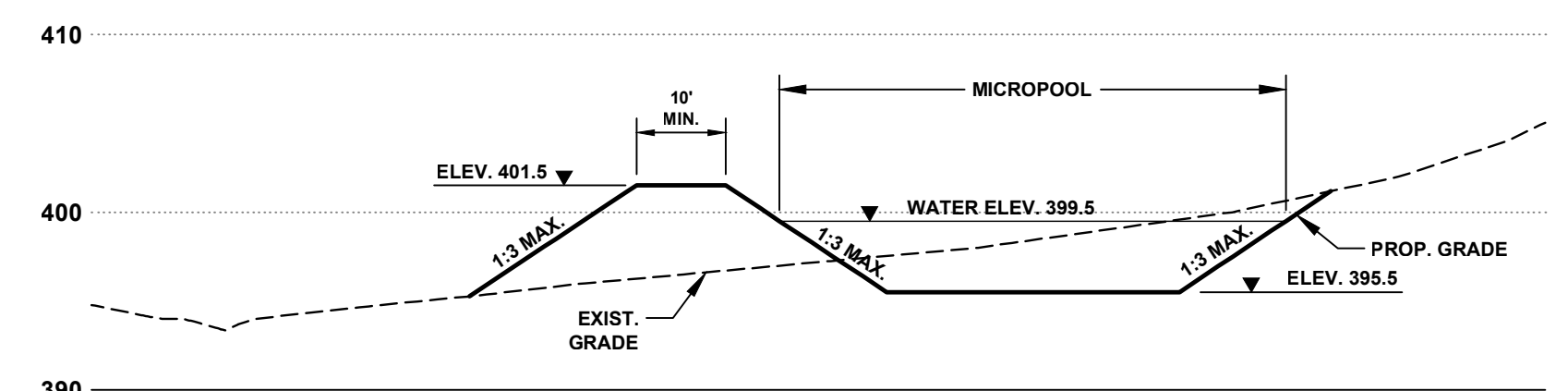
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DRAINAGE PROFILE
SCALE: HOR. 1" = 20'
VER. 1" = 10'



SECTION A-A
SCALE: HOR. 1" = 20'
VER. 1" = 10'



SECTION B-B
SCALE: HOR. 1" = 20'
VER. 1" = 10'

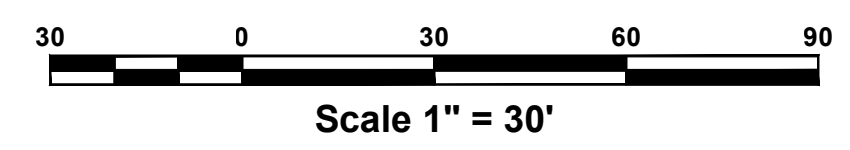
LEGEND

- EXIST. PROPERTY LINE
- - - 400' - - - EXIST. CONTOUR LINE
- ▣ EXIST. CATCH BASIN
- EXIST. STORM PIPE
- ⊕ EXIST. WATER VALVE
- ⊙ EXIST. UTILITY POLE
- EXIST. OVERHEAD WIRE(S)
- - - 400' - - - PROP. CONTOUR LINE
- x 398.5 PROP. SPOT ELEVATION
- ▣ PROP. CATCH BASIN
- ⊕ PROP. DRAINAGE MANHOLE
- PROP. STORM PIPE
- - - S - - - SILT FENCE

CONSTRUCTION SEQUENCE

1. CLEAR & GRUB SITE.
2. INSTALL EROSION CONTROL DEVICES AND TREE PROTECTION.
3. REMOVE TREES.
4. INSTALL CONTROL STRUCTURE AND OVERFLOW PIPE. GRADE FOREBAYS & MAIN BASIN.
5. STABILIZE BASINS, INSTALL STONE RIPRAP.
6. INSTALL DRAINAGE STRUCTURES AND PIPES.
7. LANDSCAPING & FINAL SITE STABILIZATION.
8. REMOVE EROSION CONTROL DEVICES.

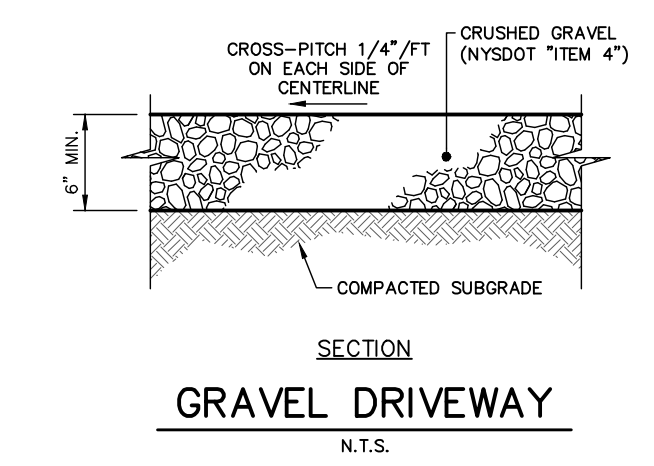
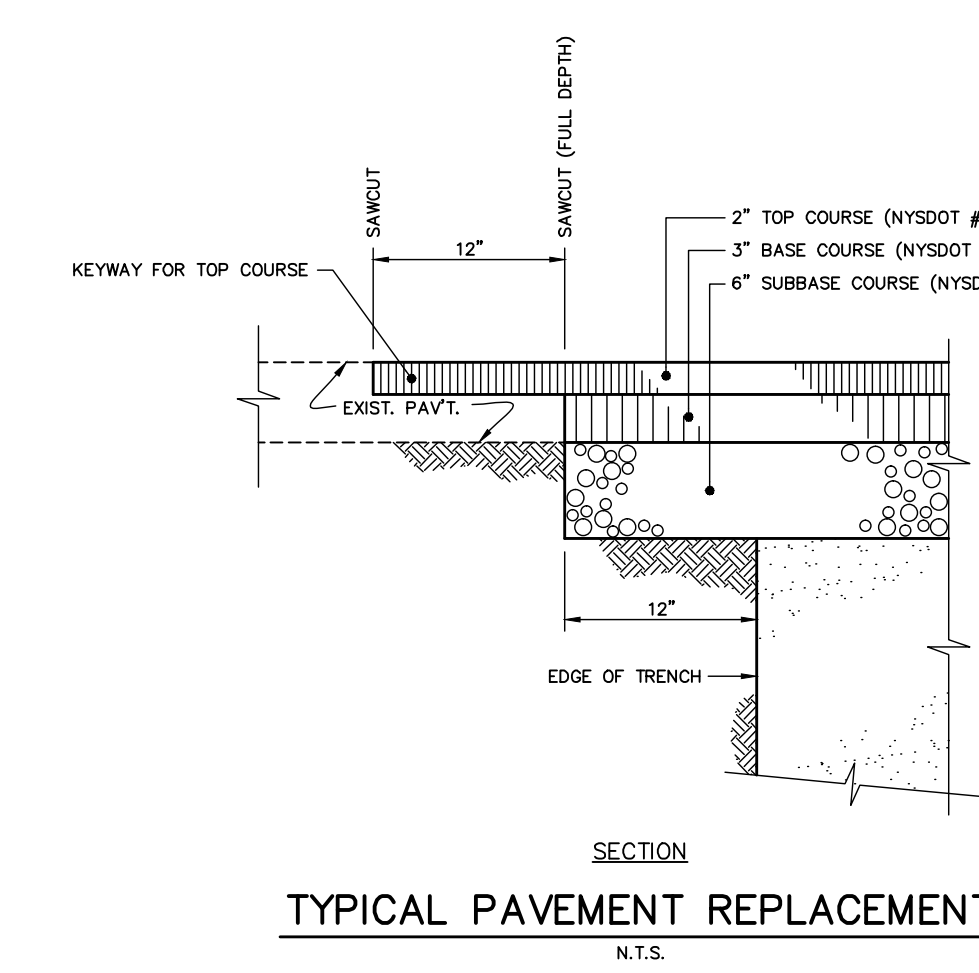
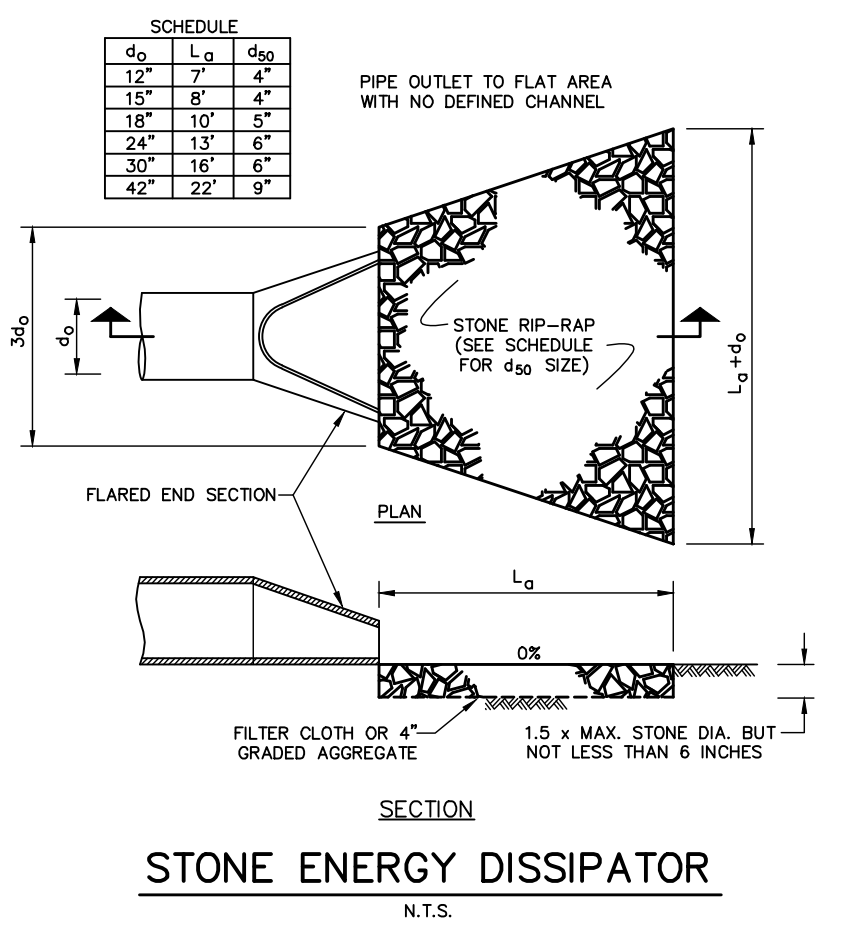
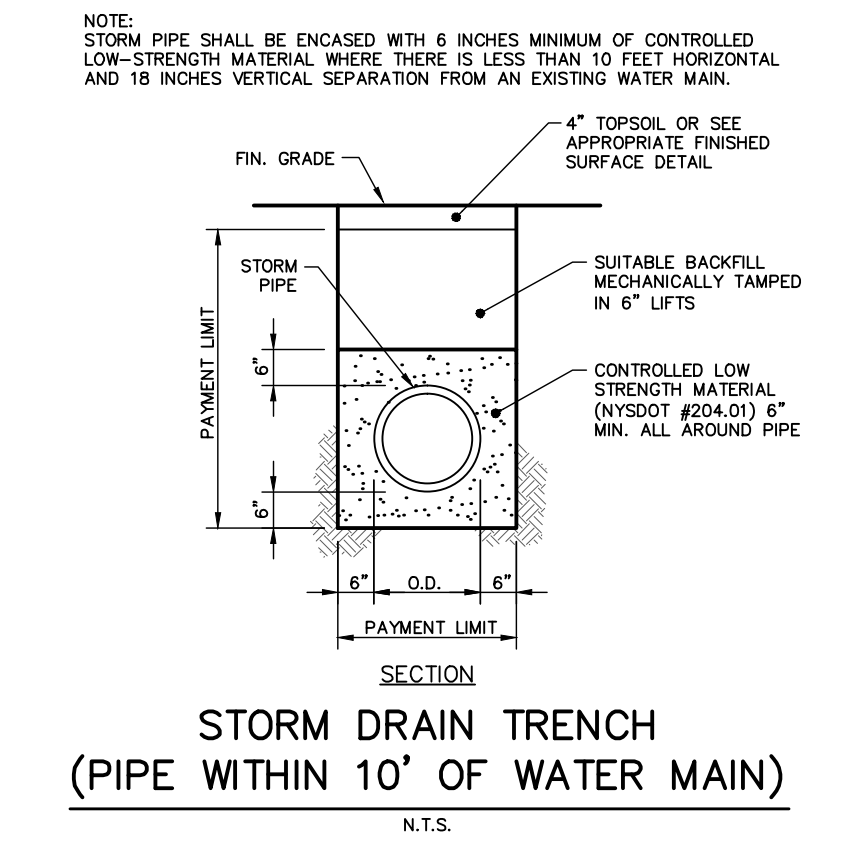
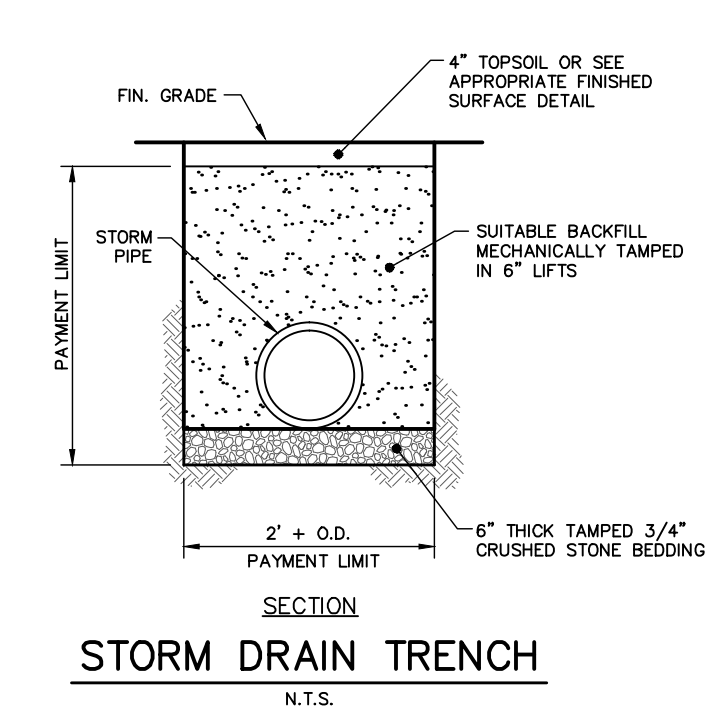
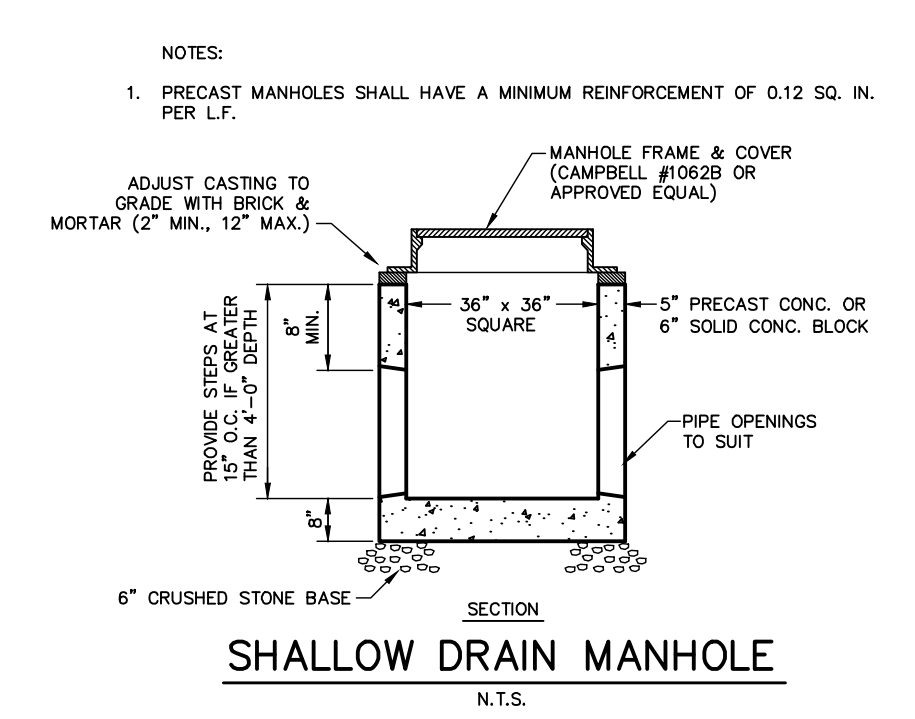
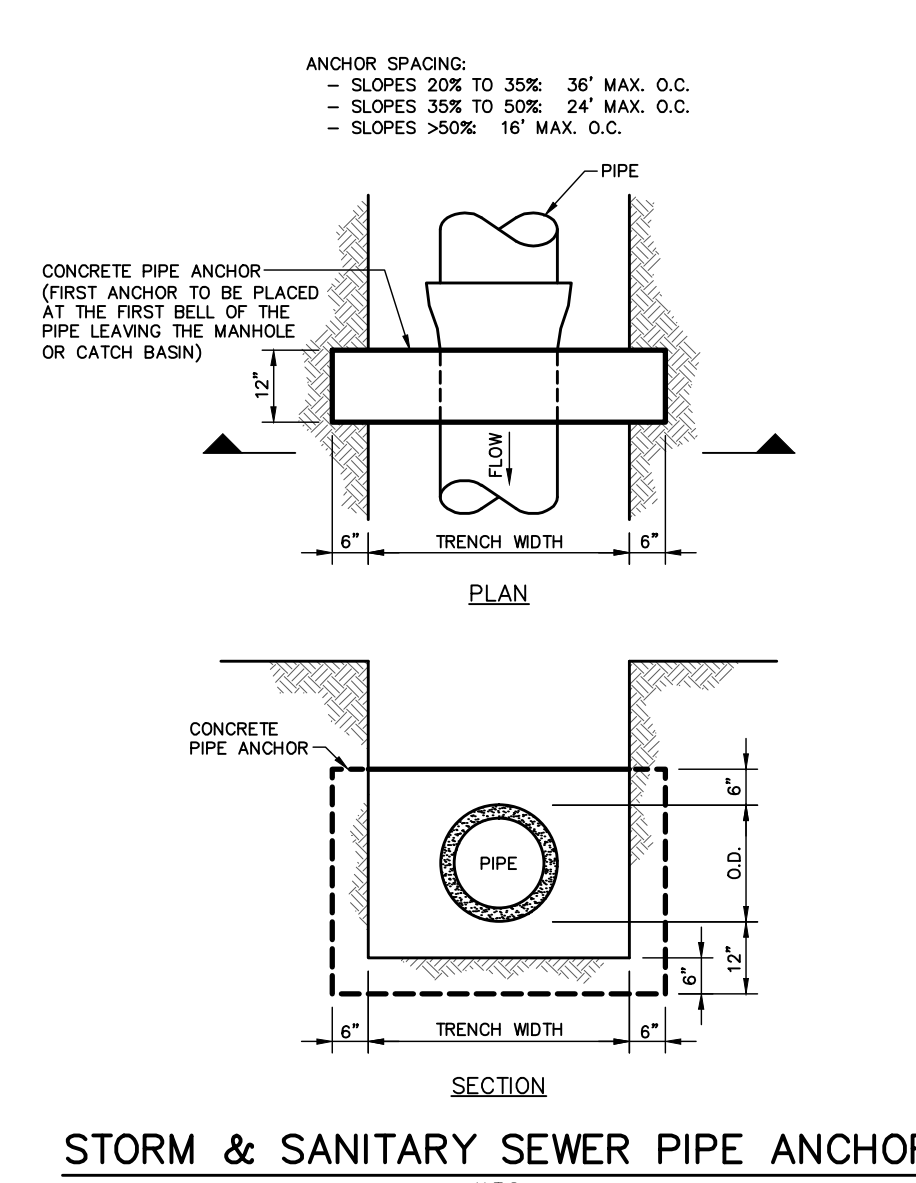
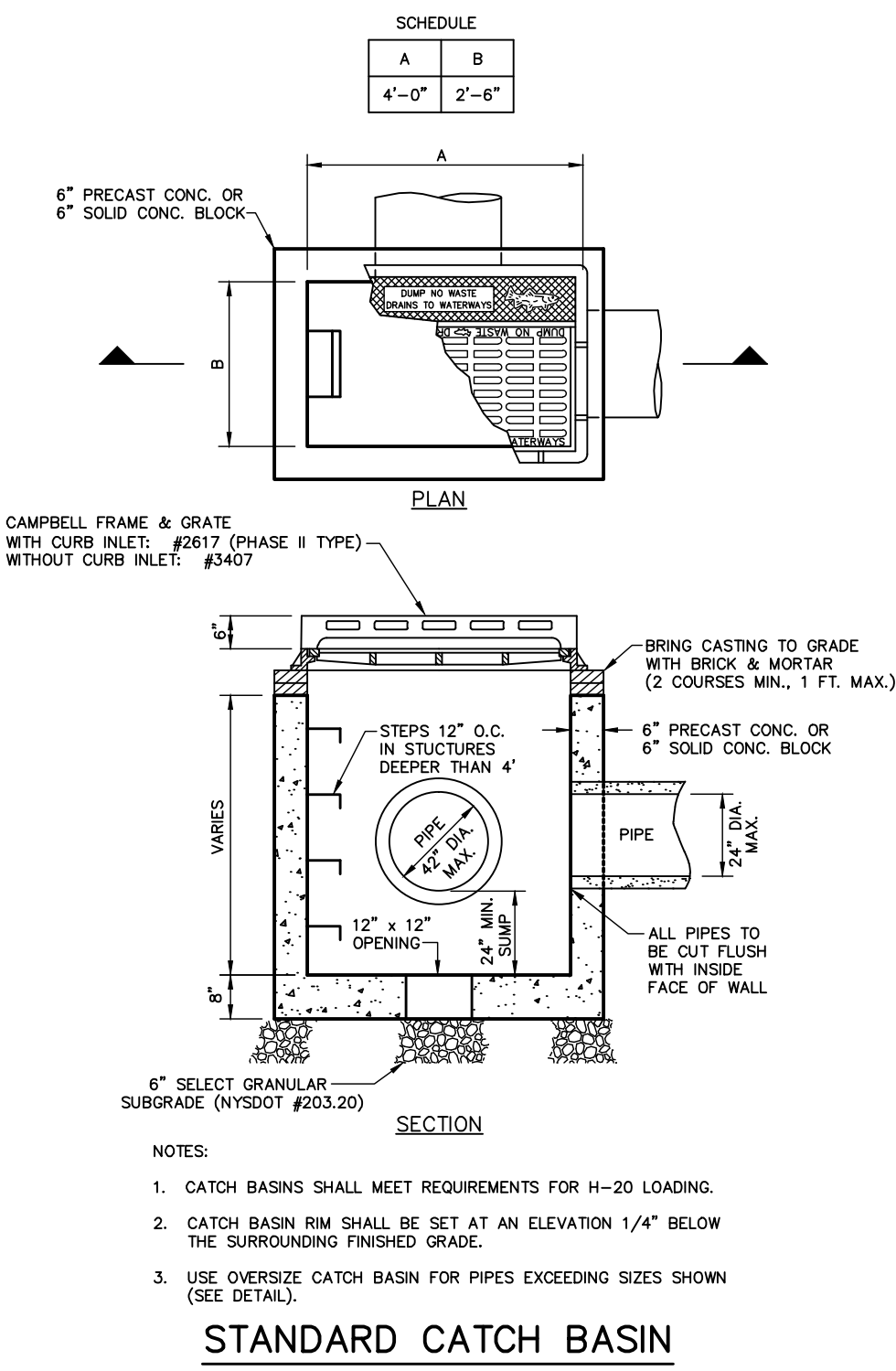
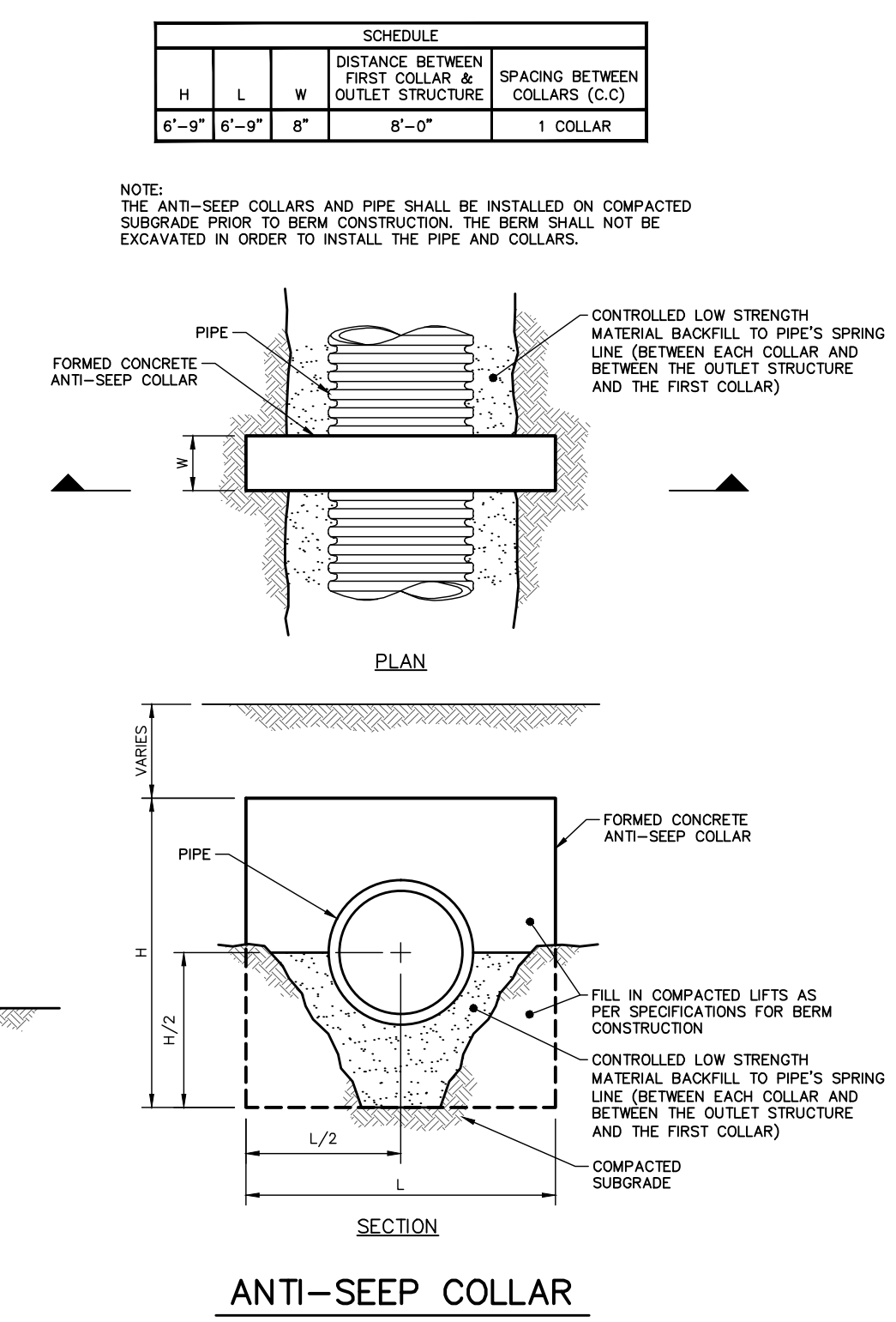
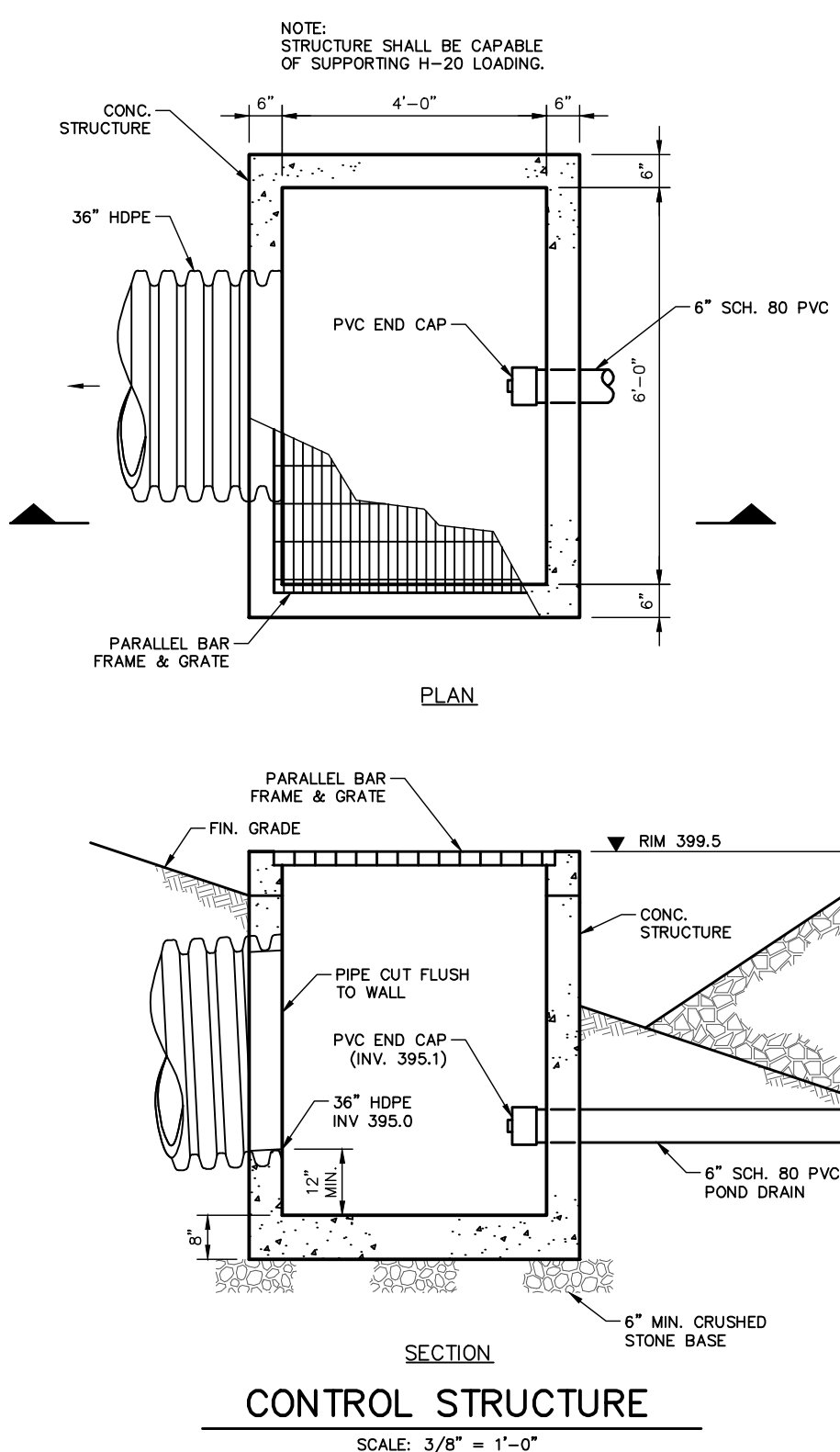
<p>TITLE</p> <p>SITE PLAN</p>		<p>PROJECT</p> <p>PROPOSED QUARRY ACRES - SOUTH STORMWATER RETROFIT PROJECT</p> <p>EAST OF HUDSON WATERSHED CORPORATION #C-NC-01B</p> <p>TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK</p>	
<p>UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 2209 (2) OF THE NEW YORK STATE EDUCATION LAW. THIS PLAN IS NULL AND VOID FOR CONSTRUCTION PURPOSES WITHOUT THE SIGNATURE AND SEAL OF THE DESIGN ENGINEER.</p>		<p>JAMES J. HAHN ENGINEERING, P.C.</p> <p>Putnam Business Park 1689 Route 22 Brewster, New York 10509 Tel: (845) 278-2220</p>	
REV.	DATE	SCALE	DATE
		AS NOTED	9/26/13
		DRAWING NO.	SHEET NO.
		C-2	2 of 5



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GENERAL NOTES

- All work and materials shall be in accordance with these plans, specifications, and the rules and regulations of the Town of Cortlandt.
- The subsurface information shown hereon is not guaranteed as to accuracy or completeness. The Contractor shall verify the location of all existing utility lines whether in public right-of-way, in easements, or in private property prior to starting any excavation and shall be responsible for the same. The Contractor shall be responsible for contacting the Underground Facilities Protective Organization, pursuant to N.Y.S. Law, 16 NYCRR Code 753.
- The Contractor shall be responsible for the relocation of any utility service line or valve which is in interference with the proposed work.
- Existing trees shall be preserved and protected wherever possible and shall only be removed with the approval of the Engineer. Tree roots shall be avoided wherever possible. Where tree roots cannot be avoided, they shall be cut cleanly. Tree roots shall be kept moist while trenches are open.
- The Contractor shall verify all existing and proposed conditions and elevations in the field.
- The maintenance and protection of traffic schemes, both pedestrian and vehicular, shall be the responsibility of the Contractor. Access to all commercial, institutional and residential parking facilities shall be maintained at all times. A safe means of pedestrian access to and from all points within the contract limit shall be provided. The Contractor must submit traffic maintenance and staging schemes in writing to the Engineer for approval. All traffic maintenance devices including but not limited to temporary signs, barricades, steel plates, lights and warning signals, shall be constructed and displayed in accordance with the rules and regulations of the Town of Cortlandt and the Federal MUTCD.
- The Contractor shall provide the Engineer with a telephone number of the person responsible in the case of an emergency, 24 hours a day, 7 days a week.
- All damage to public or private facilities caused by the Contractor's operation shall be repaired to the satisfaction of the Owner at the Contractor's expense.
- The Contractor shall submit shop drawings for all works to the Engineer. No construction shall be allowed until the shop drawings are approved.
- The Contractor shall comply with O.S.H.A. Standard 29 CFR - Part 1926.650, .651 and .652 for all excavations.
- Refuse from demolition shall become the property of the Contractor. It shall be the Contractor's responsibility to dispose of all construction refuse legally.
- All drainage pipes shall be smooth-interior high density polyethylene corrugated pipe unless noted otherwise.
- Existing pavement shall be sawcut in a straight line where it is to be bounded by new pavement.
- Fill material shall be free from organic matter, loam and frozen material. Soft or spongy areas after compaction shall be removed, the pocket drained and refilled with select material.
- All existing site features (including but not limited to: pavement, curbing, grass, landscaping, piping, utility lines, walls, fencing and structures) disturbed or damaged by construction shall be restored by the Contractor to a condition equal to or better than those currently existing and as directed by the Engineer.
- Disturbed grass or earth areas shall be provided with 6 inches minimum of topsoil and seeded or sodded as described in the specifications.
- Erosion control measures shall be in place prior to the start of construction.
- The Town of Cortlandt, East of Hudson Watershed Corporation, or the design engineer may require additional erosion control measures, at the Contractor's expense, if deemed appropriate to mitigate unforeseen siltation and erosion of disturbed soils.



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TITLE		DETAILS (SHEET 1)	
PROJECT		PROPOSED QUARRY ACRES - SOUTH STORMWATER RETROFIT PROJECT	
OWNER		EAST OF HUDSON WATERSHED CORPORATION #C-NC-01B	
LOCATION		TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK	
SCALE	DATE	SCALE	DATE
AS NOTED	9/26/13	AS NOTED	9/26/13
DRAWING NO.	SHEET NO.	DRAWING NO.	SHEET NO.
C-3	3 OF 5	C-3	3 OF 5

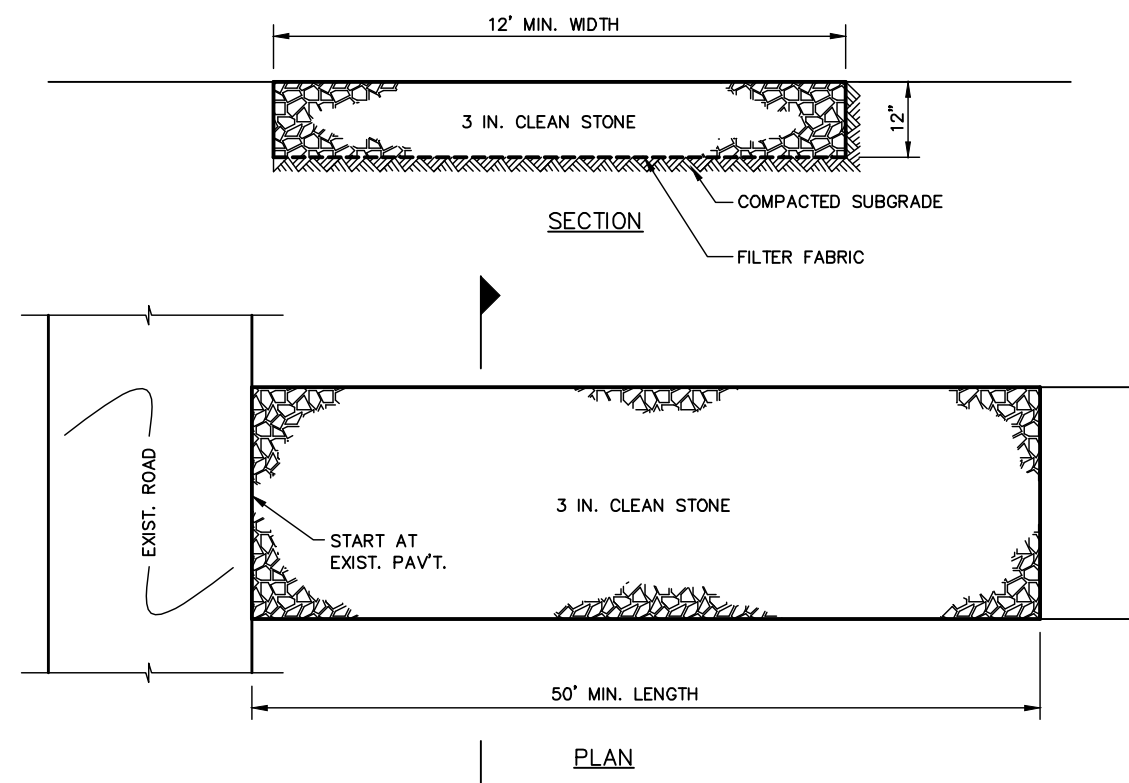
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JAMES J. HAHN ENGINEERING, P.C.

Putnam Business Park
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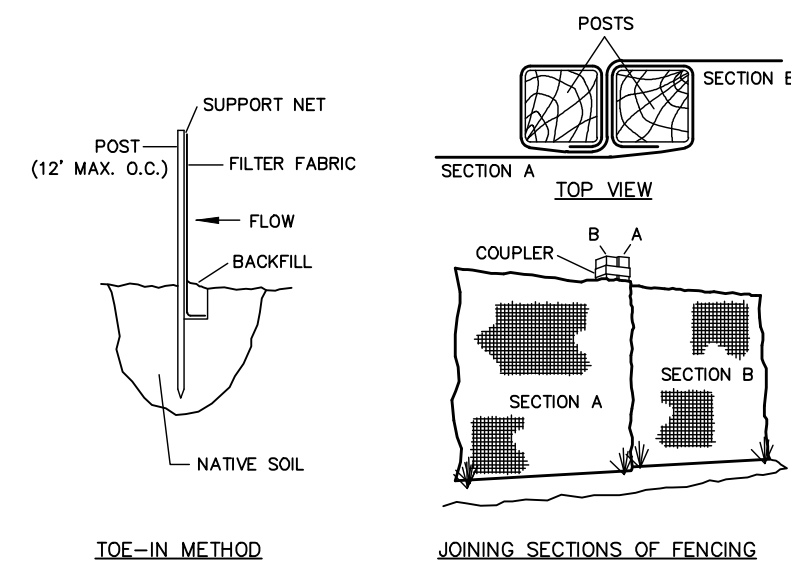
INSTALLATION NOTES

- STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH IS PERMITTED).
- THICKNESS - NOT LESS THAN 6 INCHES.
- WIDTH - 25 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH IS 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 IS 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 CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY SHALL 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 NECESSARY MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



STABILIZED CONSTRUCTION ENTRANCE

N.T.S.



TOE-IN METHOD

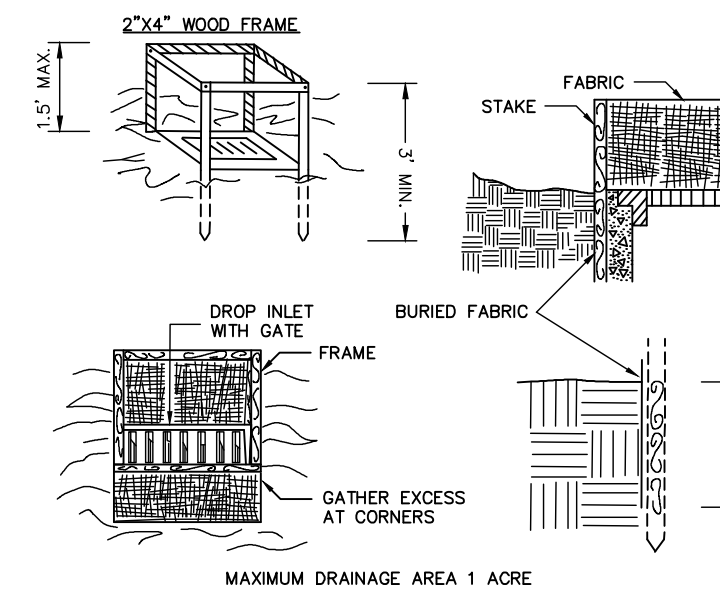
JOINING SECTIONS OF FENCING

INSTALLATION NOTES

- EXCAVATE A 4" W x 6" D TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
- UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWN-STREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM THE DIRECTION OF FLOW).
- DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
- LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.
- JOIN SECTIONS AS SHOWN ABOVE.

SILT FENCE

N.T.S.

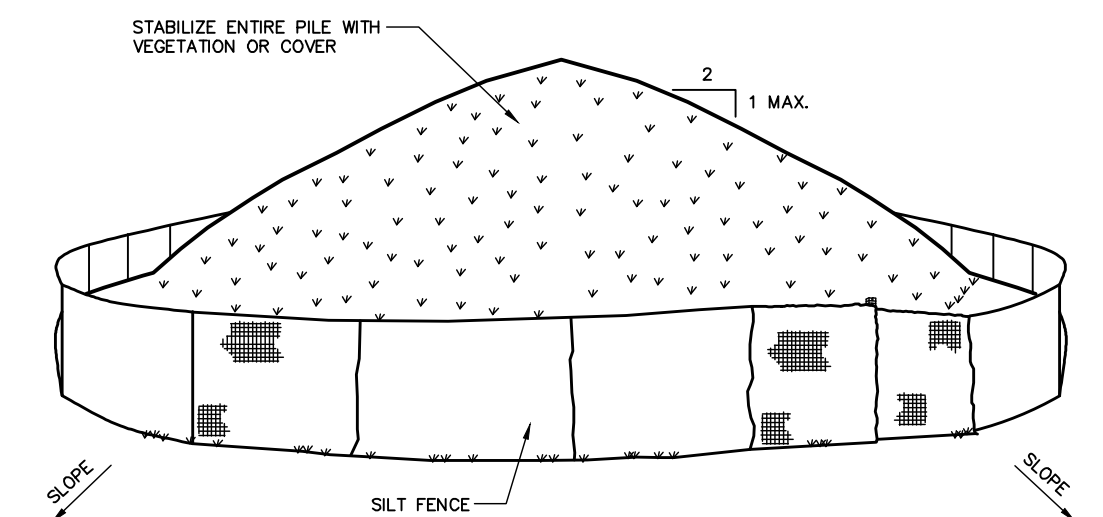


CONSTRUCTION SPECIFICATIONS

- FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY SHALL BE OVERLAPPED TO THE NEXT STAKE.
- STAKE MATERIALS SHALL BE STANDARD 2x4 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. SPANS 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 OVERFLOW STABILITY.

FILTER FABRIC DROP INLET PROTECTION

N.T.S.



INSTALLATION NOTES

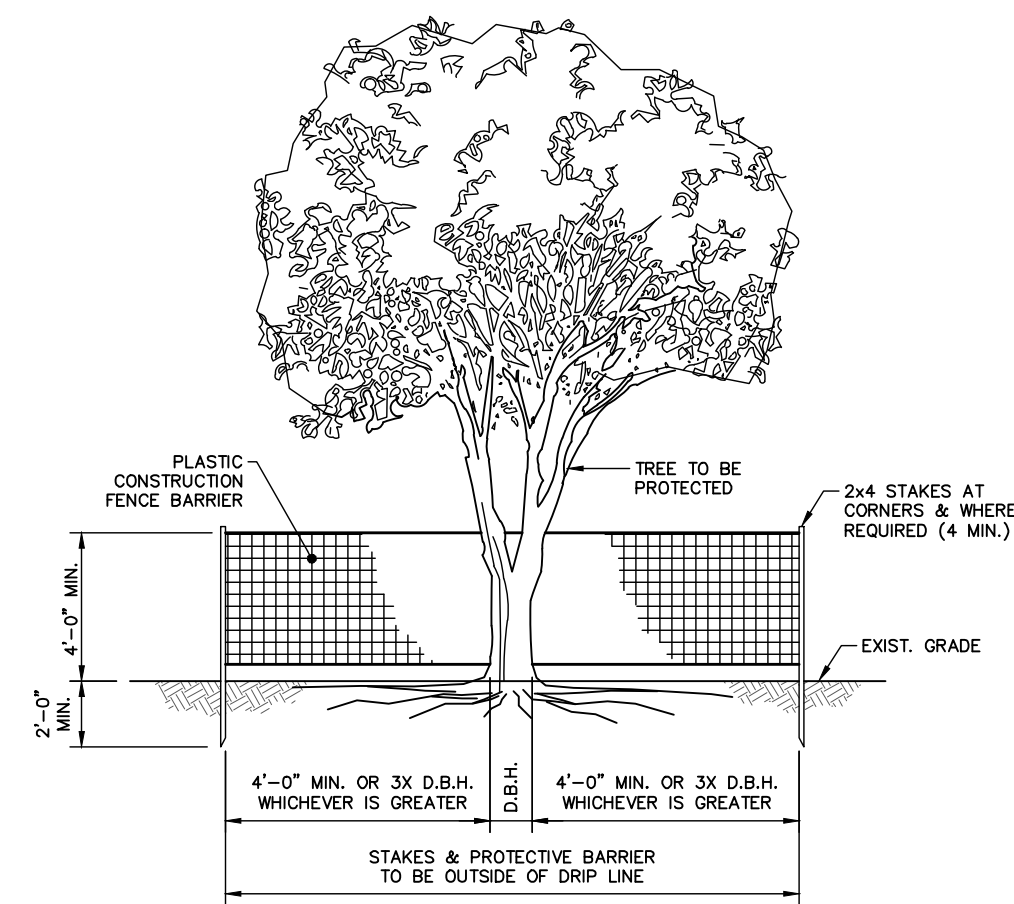
- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SHALL BE 1 VERTICAL ON 2 HORIZONTAL.
- UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
- SILT FENCING SHALL BE INSTALLED IN ACCORDANCE WITH THE SILT FENCE DETAIL.

SOIL STOCKPILE

N.T.S.

NOTES

- PROTECTIVE BARRIER SHALL BE INSTALLED PRIOR TO THE START OF SITE WORK.
- PROVIDE ADDITIONAL STAKES AS REQUIRED TO ENSURE THAT THE PROTECTIVE BARRIER IS OUTSIDE OF THE TREE'S DRIP LINE AND TO MINIMIZE ITS AREA.
- NO STORAGE OF MATERIALS SHALL BE PERMITTED INSIDE OF THE PROTECTIVE BARRIER.
- FOR TREES OUTSIDE OF THE LIMIT OF DISTURBANCE, PROTECTIVE BARRIERS SHALL BE PLACED ONLY ON THE SIDE OF THE TREE THAT FACES THE CONSTRUCTION SITE.

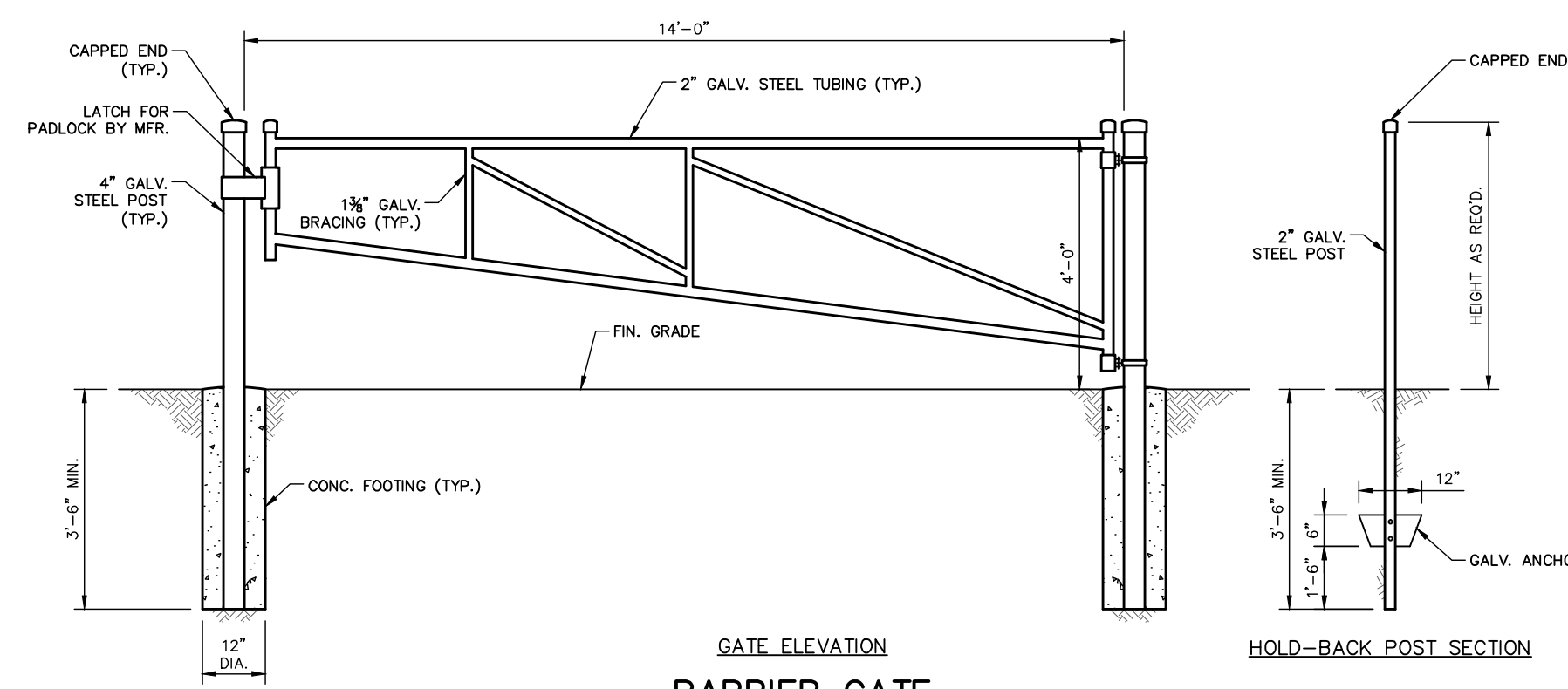


SECTION TREE PROTECTION

N.T.S.

NOTES:

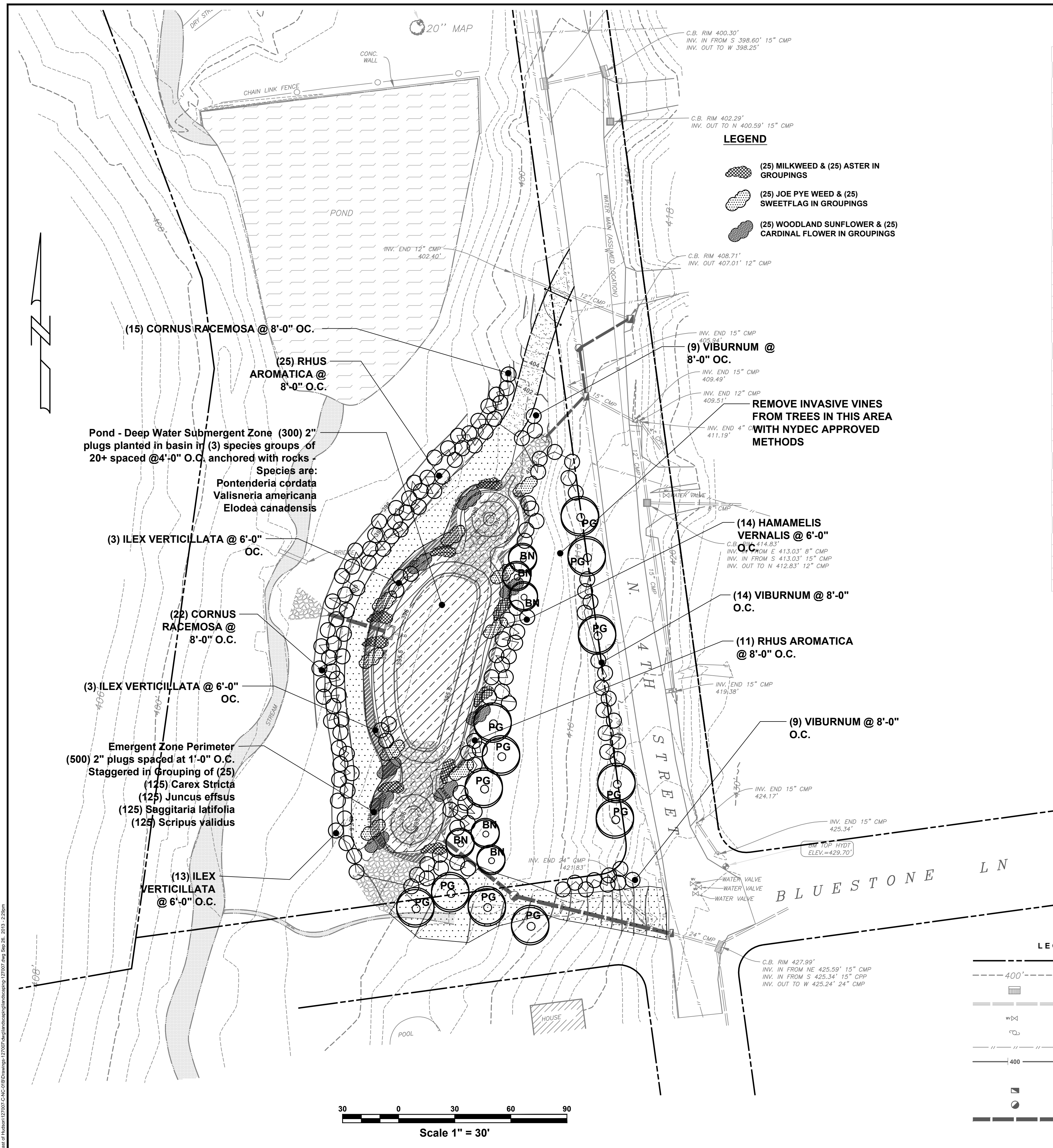
- THE GATE SHALL BE INSTALLED LEVEL REGARDLESS OF GRADE DIFFERENCES AT THE POSTS. THE TOP OF THE GATE ON THE HIGHER SIDE SHALL BE 4'-0" ABOVE GRADE AT THE POST.
- GATE TUBING, GATE POSTS AND HOLD-BACK POSTS SHALL BE COVERED WITH RED & WHITE REFLECTORIZED TAPE ON BOTH SIDES.
- MANUFACTURER'S SHOP DRAWINGS SHALL BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
- ALL FITTINGS AND ACCESSORIES SHALL BE GALVANIZED.
- THE GATE SHALL BE PROVIDED WITH A HOLD-BACK POST LOCATED AS REQUIRED TO HOLD THE GATE FULLY OPEN. THE MANUFACTURER SHALL PROVIDE THE HARDWARE NECESSARY TO LATCH THE OPEN GATE TO THE HOLD-BACK POST.



GATE ELEVATION BARRIER GATE

N.T.S.

TITLE		DETAILS (SHEET 2)	
PROJECT		PROPOSED QUARRY ACRES - SOUTH STORMWATER RETROFIT PROJECT	
OWNER		EAST OF HUDSON WATERSHED CORPORATION #C-NC-01B	
LOCATION		TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK	
REV.	DATE	SCALE	DATE
		AS NOTED	9/26/13
UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW. THIS PLAN IS NULL AND VOID FOR CONSTRUCTION PURPOSES WITHOUT THE SIGNATURE AND SEAL OF THE DESIGN ENGINEER.		Putnam Business Park 1689 Route 22 Brewster, New York 10509 Tel: (845) 278-2220	
DRAWING NO.		SHEET NO.	
C-4		4 OF 5	



LEGEND

- (25) MILKWEED & (25) ASTER IN GROUPINGS
- (25) JOE PYE WEED & (25) SWEETFLAG IN GROUPINGS
- (25) WOODLAND SUNFLOWER & (25) CARDINAL FLOWER IN GROUPINGS

LEGEND

- EXIST. PROPERTY LINE
- EXIST. CONTOUR LINE
- EXIST. CATCH BASIN
- EXIST. STORM PIPE
- EXIST. WATER VALVE
- EXIST. UTILITY POLE
- EXIST. OVERHEAD WIRE(S)
- PROP. CONTOUR LINE
- PROP. SPOT ELEVATION
- PROP. CATCH BASIN
- PROP. DRAINAGE MANHOLE
- PROP. STORM PIPE

TREES

Quantity	Botanical Name	Common Name	Size	Root	Specification
6	Betula Nigra	River Birch	8 gal.	cont.	3-trunk maximum
12	Picea glauca	White Fir	8'-10' ht.	B&B	

SHRUBS

Quantity	Botanical Name	Common Name	Size	Root	Specification
37	Cornus racemosa	Gray Dogwood	5 gal.	cont.	Alternate - Silky Dogwood
14	Hamamelis vernalis	Witch Hazel	5 gal.	cont.	
19	Ilex verticillata	Winterberry	5 gal.	cont.	(3 males for pollinator)
36	Rhus aromatica	Fragrant Sumac	5 gal.	cont.	
32	Viburnum dentatum	Arrowood Viburnum	3'-4' ht.	B & B	

PERENNIALS AND GRASSES

Quantity	Botanical Name	Common Name	Size	Root	Specification
225	Asclepia incarna	Milkweed	2" Plug	cont.	
225	Aster novae-anglicae "purple"	NY Aster	2" Plug	cont.	
200	Acornus calamus	Sweetflag	2" Plug	cont.	
200	Eupatorium fistulosum	Joe Pye Weed	2" Plug	cont.	
175	Helianthus strumosus	Woodland sunflower	2" Plug	cont.	
175	Lobelia cardinalis	Cardinal flower	2" Plug	cont.	

MEADOW & GRASS MIXES

Quantity	Botanical Name	Common Name	Size	Root	Specification
2	Grass Strip Mix (1/3 Side Oats, 1/3 Prairie Dropseed & 1/3 Little Bluestem)	Mix B - cover 1,200 s.f.	lbs		(3 lbs., 4 lbs & 4lbs) per acre
25	No - Mow mix with annual rye	Mix C - cover 5,000 s.f.	lbs		5 lb.s per 1,000 s.f.
10,000	Annual Nurse Crop (Spring)	Mix D - 10,000 s.f.	s.f.		2.5 lbs. per acre

Deep Water Submergent Plants

Quantity	Botanical Name	Common Name	Size	Root	Specification
100	Elodea canadensis	Waterweed	Rhizomes	cont.	
100	Pontederia cordata	Pickereel Weed	Rhizomes	cont.	
100	Valisneria americana	Wild Celery	Rhizomes	cont.	

Emergent Zone Perimeter Plants -

Quantity	Botanical Name	Common Name	Size	Root	Specification
125	Carex stricta	Tussock sedge	2" Plug	cont.	
125	Juncus effusus	Soft rush	2" Plug	cont.	
125	Sagittaria latifolia	Arrowhead duck potato	2" Plug	cont.	
125	Scripus validus	Soft-stem bulrush	2" Plug	cont.	

NOTES:

- 1) INVASIVE VINES SHALL BE REMOVED FROM TREES AS NOTED ON THE DRAWINGS AND/OR AS INDICATED IN THE FIELD BY APPROVED DEC METHODS.
- 2) ALL UPLAND PLANTING AREAS SHALL BE OVERSEEDDED WITH NO-MOW MIX AND NURSE CROPS.
- 3) BASIN BELOW WATERLINE SHALL RECIEVE ERSOSION CONTROL FABRIC AND SHALL BE STABILIZED WITH STONE AS NECESSARY. PLUG PLANTINGS SHALL BE DONE AFTER STABILIZATION OF FABRIC.
- 4) CONTRACTOR TO SUPPLY SOIL TESTING PRIOR TO PLANTING.

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