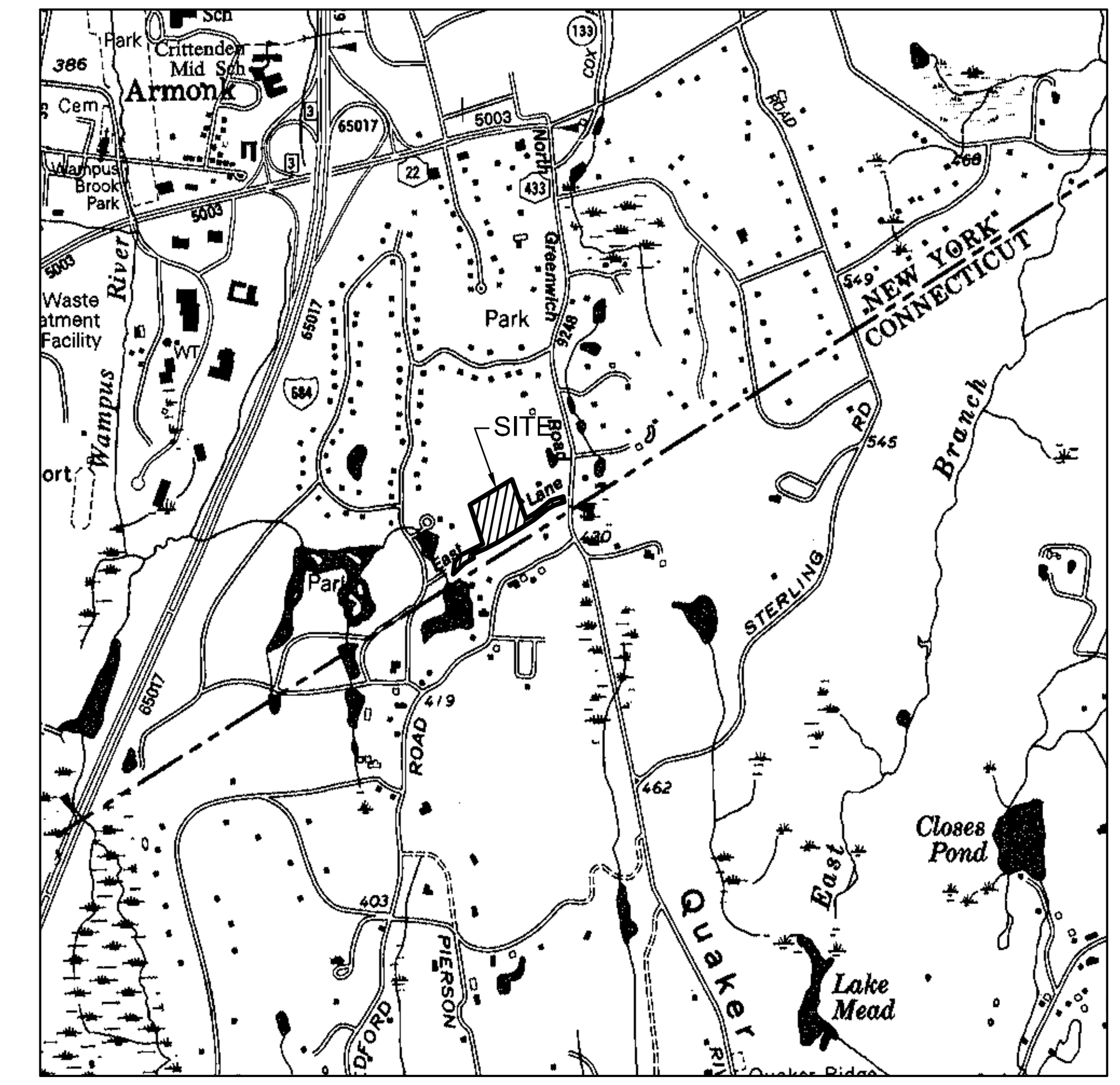
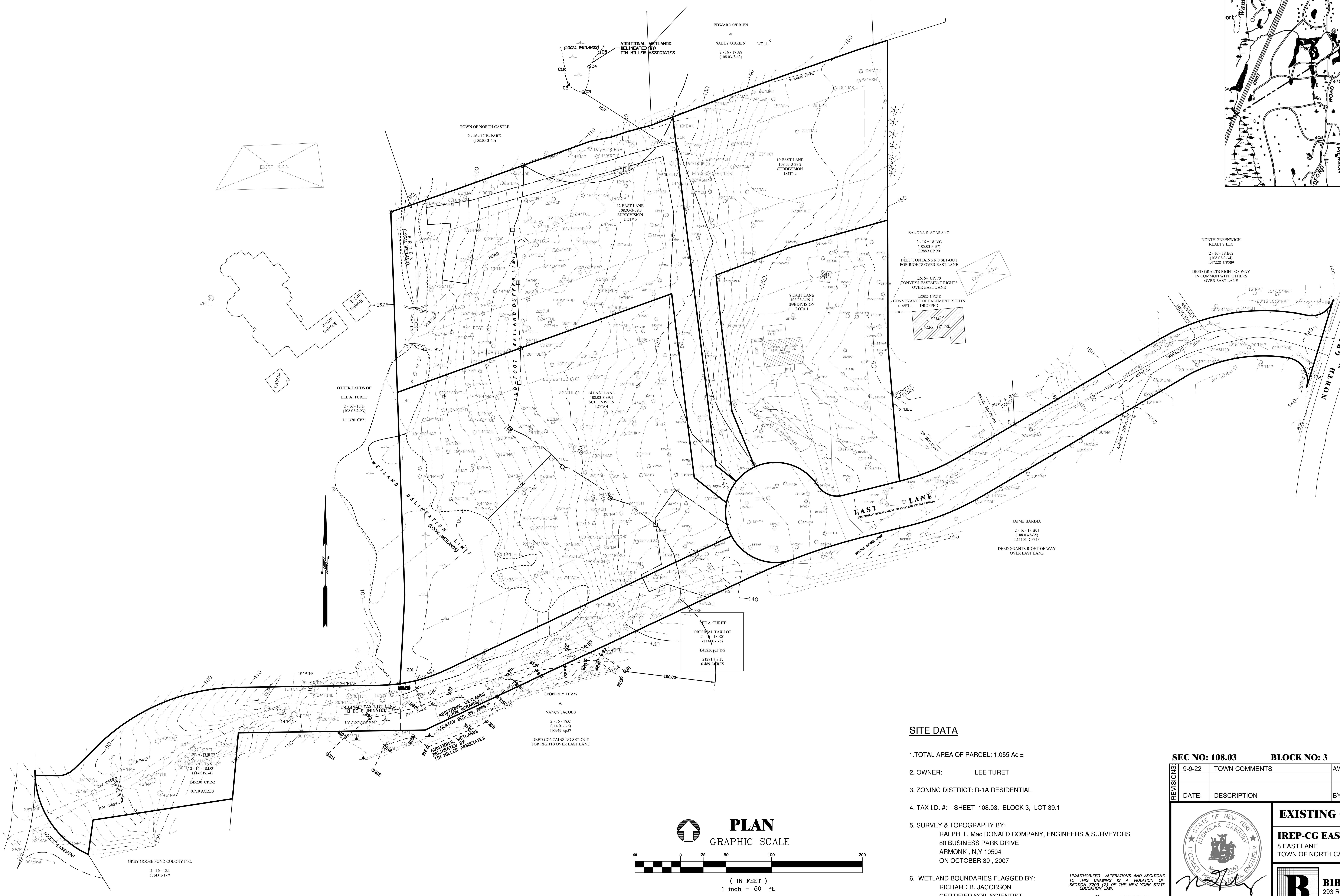




SITE DATA

1.TOTAL AREA OF PARCEL: 1.055 Ac ±

2. OWNER: LEE TURET

3. ZONING DISTRICT: R-1A RESIDENTIAL

4. TAX I.D. #: SHEET 108.03, BLOCK 3, LOT 39.1

5. SURVEY & TOPOGRAPHY BY:
RALPH L. Mac DONALD COMPANY, ENGINEERS & SURVEYORS
80 BUSINESS PARK DRIVE
ARMONK , N,Y 10504
ON OCTOBER 30 , 2007

6. WETLAND BOUNDARIES FLAGGED BY:
RICHARD B. JACOBSON
CERTIFIED SOIL SCIENTIST
ON FEBRUARY 18 & APRIL 8 , 2005

CONTACT INFO:
IREP-CG EAST LANE LLC
C/O/ GREG ALTSHULER
37 CROSBY STREET, 4A
NEW YORK, NY 10013
917-575-8532

FILED MAP NO. 29373

SEC NO: 108.03 **BLOCK NO: 3** **LOT NO: 39.1** **SUBLOT NO: 1**

REVISIONS:

DATE:	DESCRIPTION	BY/CK	DATE:	DESCRIPTION	BY/CK
9-9-22	TOWN COMMENTS	AW			

STATE OF NEW YORK · NICHOLAS GABOURY · LICENSED PROFESSIONAL ENGINEER · No. 079349

NICHOLAS GABOURY P.E.

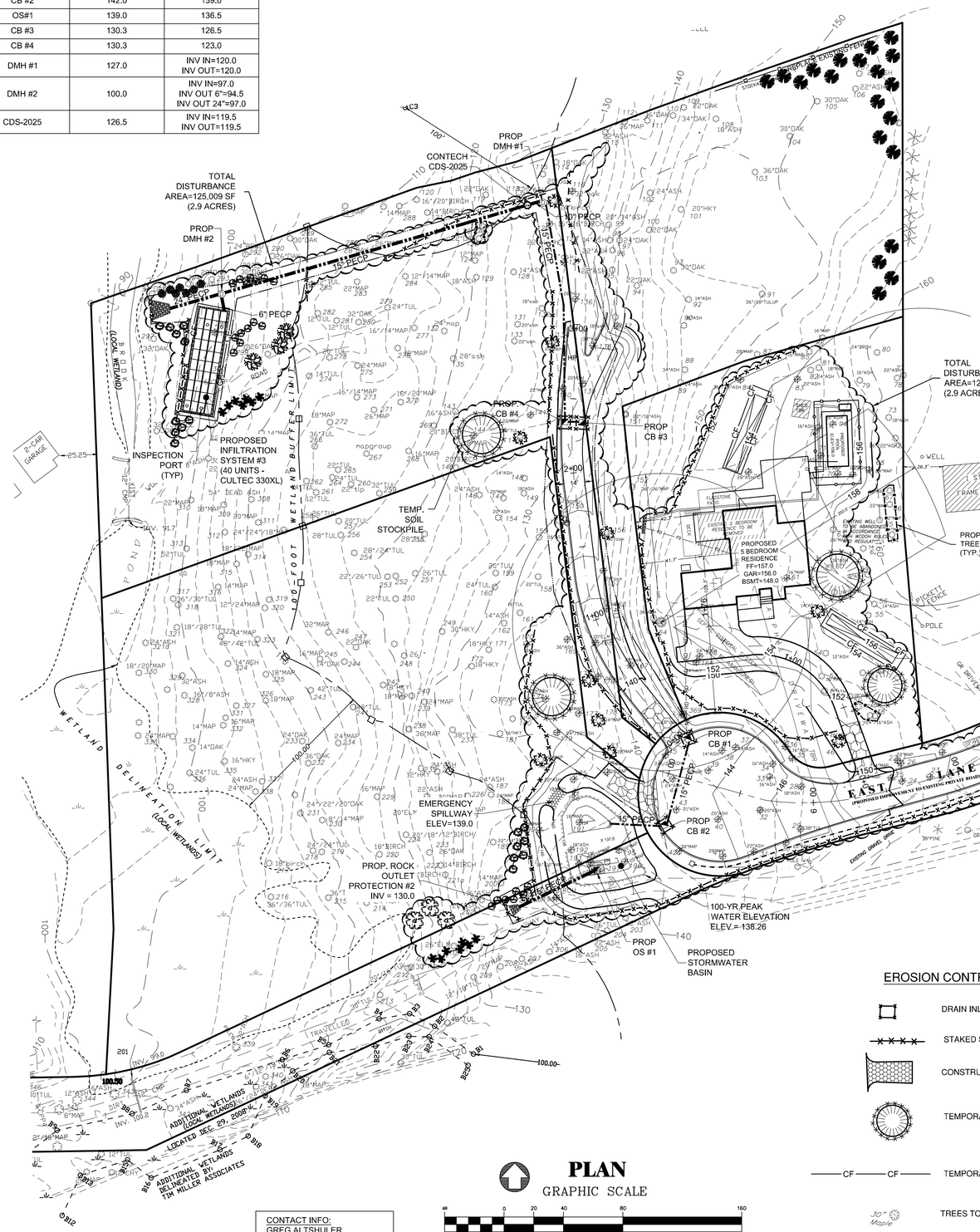
EXISTING CONDITIONS PLAN

IREP-CG EAST LANE LLC
8 EAST LANE
TOWN OF NORTH CASTLE, WESTCHESTER COUNTY, NY.

BIBBO ASSOCIATES, LLP
293 ROUTE 100 SUITE 203
SOMERS, NEW YORK 10589
TEL. 914 277 5805

DATE:	6-6-2022
SCALE:	1" = 50'
FILE:	----
DSGN / CHK:	NG
DRN. BY:	AW
SHT NO.	1 OF 5
DWG NO.	EX-1

DRAINAGE STRUCTURE SCHEDULE		
STRUCTURE	RIM EL	INVERTS
CB #1	142.0	139.5
CB #2	142.0	139.0
OS#1	139.0	136.5
CB #3	130.3	126.5
CB #4	130.3	123.0
DMH #1	127.0	INV IN=120.0 INV OUT=120.0
DMH #2	100.0	INV IN=97.0 INV OUT 6"=94.5 INV OUT 24"=97.0
CDS-2025	126.5	INV IN=119.5 INV OUT=119.5



PLAN
GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

CONTACT INFO:
GREG ALTSHULER
37 CROSBY STREET, 4A
NEW YORK, NY, 10013
917-575-8532

GENERAL NOTES

1. SILT FENCE SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS SPECIFICALLY 5-FEET FROM THE TOE OF FILL SLOPES. THE FILTER FABRIC SHALL BE BURIED AT THE BASE. ALL SILT FENCING INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS.

2. TREE PROTECTION. SIGNIFICANT INDIVIDUAL TREES PROPOSED TO REMAIN SHALL BE PROTECTED TO THE DRIP LINE USING STAKED SILT FENCE TO THE EDGE OF THE DRIP LINE. GROUPS OF TREES TO REMAIN SHALL BE PROTECTED AS SHOWN IN THE CRIBBING DETAIL.

3. SITE GRADING SHALL BE UNDERTAKEN TO MINIMIZE DISTURBANCES LOCALLY UPGRADIENT OF ALREADY ESTABLISHED SEDIMENT TRAPS AND SILT FENCE. THE TOTAL AREA OF EXPOSED EARTH SHOULD NOT EXCEED 5 ACRES AT ANY GIVEN TIME. AREAS GRADED TO FINAL ROUGH GRADE SHALL BE PERMANENTLY/TEMPORARILY STABILIZED IMMEDIATELY UPON COMPLETION IN ACCORDANCE WITH THE GENERAL EROSION CONTROL PROGRAM.

4. DUST CONTROL. WHILE NOT EXPECTED TO BE A PROBLEM, IF EXCESSIVE DUST SHALL OCCUR, IT SHALL BE CONTROLLED BY SPRINKLING.

5. ALL UTILITIES (ELECTRIC, TELEPHONE, CABLE TV, ETC,) SHALL BE INSTALLED WITHIN ROADWAY R.O.W. PROVISION FOR ROADWAY CROSSINGS SHALL BE MADE PRIOR TO INSTALLATION OF ROADWAY PAVEMENT. IDEALLY, THIS ACTIVITY SHALL TAKE PLACE PRIOR TO FINAL SITE STABILIZATION SO THAT ANY DISTURBANCES WILL BE CONTROLLED BY MEANS OF THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THESE PLANS. PRIOR TO INSTALLATION, THE OWNER SHALL REVIEW THE EXISTING CONDITIONS AND SHALL PROVIDE SUCH ADDITIONAL EROSION CONTROL MEASURES AS DEEMED NECESSARY. (REFER TO EROSION CONTROL GUIDELINES FOR ASSISTANCE)

6. THE CULTEC INFILTRATION SYSTEM SHALL NOT BE BROUGHT ON LINE UNTIL ALL DISTURBED AREAS CONTRIBUTING TO THE INFILTRATION SYSTEM HAVE BEEN PERMANENTLY STABILIZED WITH TURFGRASS, PAVEMENT OR OTHER PERMANENT VEGETATION OR HARDSCAPE.

7. CONSTRUCTION ON INDIVIDUAL LOTS SHALL PROCEED IN ACCORDANCE WITH THE RECOMMENDED SEQUENCE . EROSION AND SEDIMENTATION CONTROLS SHALL BE IMPLEMENTED AS REQUIRED FOR EACH LOT.

CONSTRUCTION SEQUENCE INDIVIDUAL LOTS

1. INSTALL SILT FENCE FOR HOUSE & DRIVEWAY CONSTRUCTION. INSTALL SEDIMENT TRAPS ON LOTS 3 & 4.

2. PROVIDE ORANGE CONSTRUCTION FENCING AROUND FUTURE INFILTRATION AREA AND SEWAGE TREATMENT AREAS SO THAT THEY ARE CORDONED OFF AND PROTECTED FROM CONSTRUCTION TRAFFIC.

2. CLEAR & GRUB LOT, IF NECESSARY.

3. INSTALL STABILIZED CONSTRUCTION ENTRANCE AT DRIVEWAY ENTRANCE.

4. EXCAVATE DRIVEWAY TO SUBGRADE AND BEGIN HOUSE EXCAVATION.

5. INSTALL TEMPORARY CRUSHED STONE FILTER DAM AND DRILL WELL IN ACCORDANCE WITH APPROVED PLANS.

6. INSTALL SILT FENCE DOWNGRADIENT OF SEWAGE DISPOSAL AREAS, INSTALL SEWAGE DISPOSAL SYSTEM IN ACCORDANCE WITH APPROVED PLANS.

7. UPON SUBSTANTIAL COMPLETION OF THE HOUSE INSTALL ROOF AND DRIVEWAY DRAINS AND DISCHARGE TO EXISTING STORM DRAINAGE SYSTEM AS INDICATED ON PLAN. PROTECT ON-GRADE DISCHARGE WITH RIP RAP AT OUTLET.

7. FINISH DRIVEWAY, ESTABLISH FINAL GRADES, AND SEED AND MULCH ALL DISTURBED AREAS.

8. THE SITE CONTRACTOR FOR EACH LOT SHALL TAKE CARE TO IMPLEMENT SUCH EROSION CONTROL PRACTICES AS NECESSARY TO AVOID DEPOSITION OF SILT BEYOND EACH LOT BOUNDARY. IN ADDITION, THE CONTRACTOR SHALL INSURE THAT NO PERMANENT STORMWATER CONVEYANCE OR TREATMENT SYSTEMS (SWALES, CATCH BASINS, S.W.Q.B.'S) ARE IMPACTED BY INDIVIDUAL LOT CONSTRUCTION.

9. MAINTAIN ALL EROSION CONTROLS IN PROPER WORKING ORDER THROUGH THE DURATION OF CONSTRUCTION. EROSION CONTROLS TO BE REMOVED AT THE DIRECTION OF THE TOWN ENGINEER OR BUILDING INSPECTOR.

EROSION CONTROL LEGEND:

- DRAIN INLET SEDIMENT FILTER
- STAKED SILT FENCE
- CONSTRUCTION ENTRANCE
- TEMPORARY STOCKPILE AREA
- CF——CF—— TEMPORARY CONSTRUCTION FENCING
- 30" Maple — TREES TO REMAIN
- 30" Maple — TREES TO BE REMOVED

EAST LANE CONSTRUCTION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE TO KEEP EAST LANE PASSABLE TO THE GREATEST EXTENT PRACTICAL AT ALL TIMES BOTH DURING ROAD CONSTRUCTION AND CONSTRUCTION OF THE LOTS. PASSABLE ROAD INCLUDES BUT NOT LIMITED TO ONE WAY VEHICLE PASSAGE, ROADWAY FREE OF EXCESS RUTS, WATER, CONSTRUCTION MATERIAL AND STOCK PILED EARTHWORK.

   ROAD CONSTRUCTION SEQUENCING: THE ROAD SHALL BE CONSTRUCTED SUCH THAT ONLY THE EASTBOUND LANE OF EAST LANE IS ROUGH GRADED AT FIRST, WHILE THE WESTBOUND LANE MAINTAINS ACCESS FOR THE OTHER EAST LANE USERS. ONCE ROUGH GRADING IS COMPLETE AND SUBBASE IS IN PLACE FOR THE EASTBOUND SIDE OF EAST LANE, VEHICULAR TRAFFIC SHOULD BE DIVERTED TO THE WESTBOUND LANE TO FINISH THE REGRADING OF THE ROADWAY. TRAFFIC CONES AND BARRELS SHOULD BE USED TO GUIDE VEHICLES THROUGH THE CONSTRUCTION ZONE AND AWAY FROM STEEP GRADE TRANSITIONS DURING THE EARTHWORK OPERATIONS.

2. IF A PROLONGED ROAD CLOSURE IS ANTICIPATED (MORE THAN 15 MINUTES), CONTRACTOR SHALL NOTIFY ALL USERS OF EAST LANE 12 HOURS IN ADVANCE.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC SAFETY THROUGHOUT THE DURATION OF THE PROJECT.

4. UPON COMPLETION OF WORK EACH DAY, CONTRACTOR SHALL KEEP THE ROAD CLEAR OF ALL CONSTRUCTION ACTIVITIES INCLUDING CONSTRUCTION VEHICLES, MATERIALS AND EARTHWORK.

5. NO BUILDING PERMITS SHALL BE ISSUED UNTIL THE EAST LANE IMPROVEMENTS ARE SUBSTANTIALLY COMPLETE BINDER COURSE AND TO THE SATISFACTION OF THE TOWN ENGINEER.

6. ALL IMPROVEMENTS SHOW ON THE PLANS BE INSTALLED IN ACCCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATON OF THE TOWN.

7. CONSTRUCTION ACTIVITY SHALL BE LIMITED FROM 7:00 A.M. TO 6:00 P.M. AND THAT NO CONSTRUCTION ACTIVITY SHALL OCCUR ON SUNDAYS OR LEGAL NEW YORK STATE HOLIDAYS.

FILED MAP NO. 29373

SEC NO: 108.03 BLOCK NO: 3 LOT NO: 39.1 SUBLOT NO: 1

REVISIONS						
9-9-22	TOWN COMMENTS	AW				
DATE:	DESCRIPTION	BY/CK	DATE:	DESCRIPTION		BY/CK

STATE OF NEW YORK NICHOLAS GABOURY LICENSED PROFESSIONAL ENGINEER NO. 095349
NICHOLAS GABOURY P.E.

EROSION CONTROL PLAN

IREP-CG EAST LANE LLC
8 EAST LANE
TOWN OF NORTH CASTLE, WESTCHESTER COUNTY, NY.

BIBBO ASSOCIATES, LLP
293 ROUTE 100 SUITE 203
SOMERS, NEW YORK 10589
TEL. 914 277 5805

DATE:	6-6-2022
SCALE:	1" = 40'
FILE:	----
DSGN / CHK:	NG
DRN. BY:	AW
SHT NO.	2 OF 5
DWG NO.	**EC-1**

GENERALIZED CONSTRUCTION SEQUENCE

CONSTRUCTION FENCING SHALL BE LOCATED AND INSTALLED ALONG THE CLEARING AND GRADING LIMIT LINES PRIOR THE START OF ANY CONSTRUCTION.

1. ROADS, STORM DRAINAGE COLLECTION AND TREATMENT FACILITIES SHALL BE STAKED OUT BY SURVEYORS.

2. APPROPRIATE EROSION AND SEDIMENTATION CONTROLS SHALL BE IN PLACE PRIOR TO ANY SITE DISTURBANCE .

3. INSTALL STABILIZED CONSTRUCTION ENTRANCE WHERE INDICATED ON PLAN.

4. CLEAR TREES FROM R.O.W. LIMITS, EXCAVATE TREE STUMPS AND REMOVE FROM SITE.

5. STRIP TOPSOIL AND STOCKPILE AREA OR AREAS AS TYPICALLY DESIGNATED.

6. CONSTRUCTION SHOULD PROCEED SO THAT DISTURBED AREAS SHALL NOT EXCEED 5 ACRES WITHOUT VEGETATING AND STABILIZING PREVIOUSLY DISTURBED AREAS.

7. EXCAVATE S.W.Q.B. TO REQUIRED MINIMUM VOLUMES AS INDICATED ON PLAN. CONSTRUCT BASIN OUTLET STRUCTURES. PROVIDE TEMPORARY CRUSHED STONE FILTER DAMS AROUND OUTLETS TO CONTAIN SILT WITHIN BASIN. PLACE TOPSOIL ON BERMS AND EMBANKMENTS AND SPREAD SEED AND MULCH.

8. EXCAVATE AND PLACE COMPACTED FILL AS REQUIRED TO BRING ROAD TO SUBGRADE.

9. INSTALL DRAINAGE SYSTEM IN THE ROAD . INSTALL EROSION CONTROLS AT CATCH BASIN INLETS. IMMEDIATELY FINISH GRADE AND SPREAD SEED AND MULCH IN DRAINAGE EASEMENT.

10. FINE GRADE AND COMPACT ROAD SUBGRADE.

11. INSTALL R.O.B. SAND AND GRAVEL SUBBASE ON ROAD SUBGRADE AND COMPACT.

12. SET CATCH BASIN AND MANHOLE FRAMES TO FINISH GRADE.

13. INSTALL BASE COURSE OF ROAD PAVEMENT AND CURB.

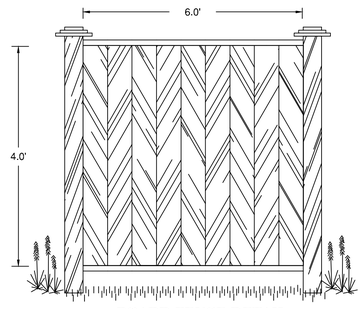
14. FINISH GRADE ROAD SHOULDERS AND EMBANKMENTS. PLACE TOPSOIL AND SPREAD SEED AND MULCH.

15. CLEAN S.W.Q.B. OF ACCUMULATED SEDIMENT, RESHAPE BASINS TO FINISHED GRADE ON PLANS, AND INSTALL PERMANENT OUTLET STRUCTURES.

16. COMPLETE INSTALLATION OF PLANTINGS AT S.W.Q.B. AS INDICATED ON THE PLANS.

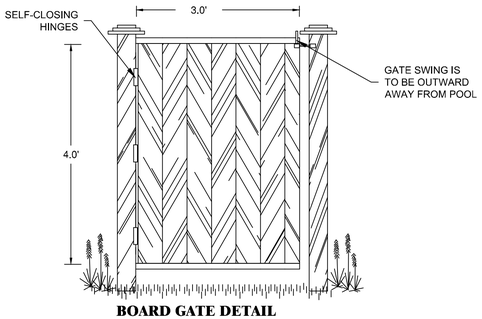
17. MAINTAIN ALL SILT FENCING AND REPAIR ANY AREAS OF EROSION IN DRAINAGE EASEMENTS UNTIL A FIRM STAND OF VEGETATION IS ESTABLISHED.

18. ONCE ALL LOTS HAVE BEEN CONSTRUCTED, INSTALL FINAL ASPHALT TOP COURSE FOR THE TOWN ROAD.



BOARD FENCE DETAIL

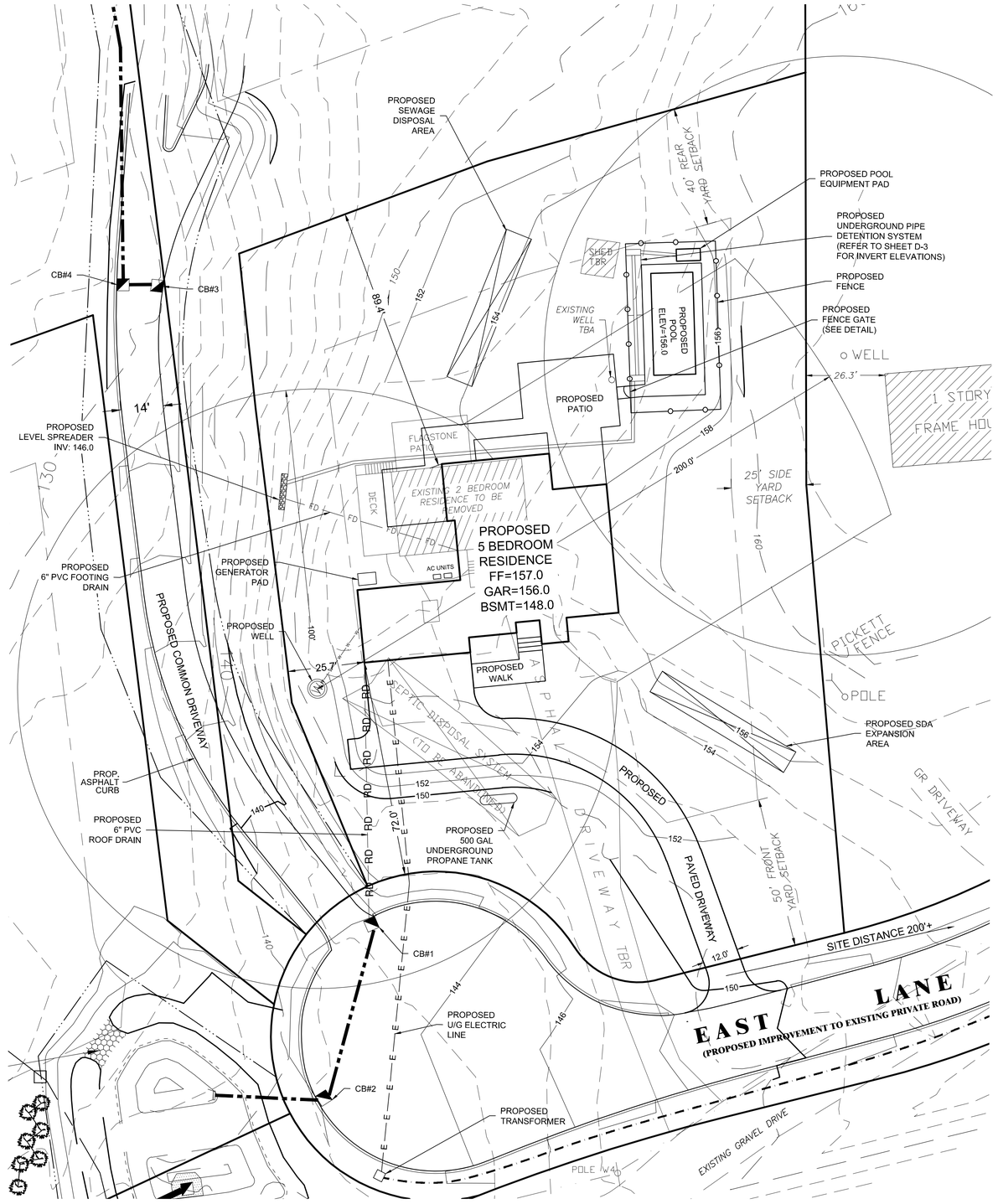
N.T.S.
OR APPROVED EQUAL



BOARD GATE DETAIL

N.T.S.
OR APPROVED EQUAL

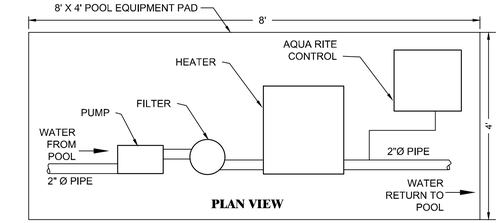
PLEASE NOTE: THE PROPOSED POOL FENCE GATE SHALL OPEN OUTWARD (AWAY FROM POOL), BE SELF-CLOSING, SELF-LATCHING, AND EQUIPPED WITH MAGNALATCH AT 54" OFF OF GRADE.



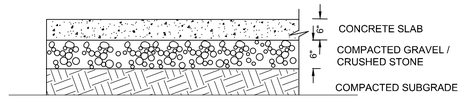
PLAN

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.



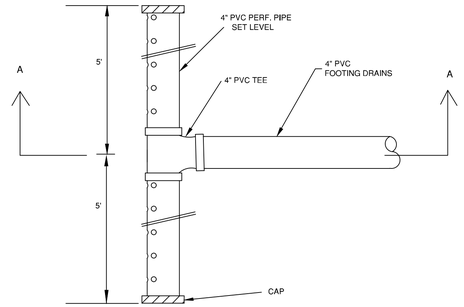
PLAN VIEW

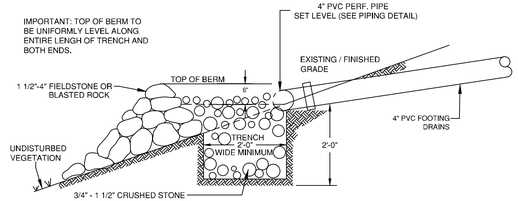


SECTION

POOL EQUIPMENT & CONC. PAD DETAIL

N.T.S.





TRENCH SHALL REMAIN UNFILLED (SEE NOTE *) UNTIL COMPLETION OF SITE STABILIZATION WITH SUITABLE VEGETATIVE COVER. AS DIRECTED BY ENGINEER, SILT DEPOSITED DURING CONSTRUCTION SHALL BE REMOVED AND TRENCH FILLED AS SHOWN

* EXCEPT AT PIPE DISCHARGE POINT : A PILE OF FIELDSTONE SHALL BE PLACED IN TRENCH AS A " SPLASH PLATE " TO MINIMIZE SCOURING.

SEC. A-A
N.T.S.

LEVEL SPREADER

N.T.S.

ZONING DATA			
TAX MAP DESIGNATION		SECTION 108.03, BLOCK 3, LOT 39.1	
ZONING DISTRICT		R-1A - RESIDENTIAL	
		MINIMUM REQUIREMENTS	PROVIDED
GROSS LOT AREA (ACRES)		1.0	1.055 (45,954 sf)
NET LOT AREA (ACRES)		1.0	1.014 (44,182 sf)
WIDTH	(FT)	125	174
DEPTH	(FT)	150	256
FRONT YARD	(FT)	50	72.0
SIDE YARD	(FT)	25	25.7 / 65.9
REAR YARD	(FT)	40	89.4
MAXIMUM BLDG. COVERAGE	(%)	12%	7.9%
MAX. GROSS LAND COV.		9,607 S.F.	9,487 S.F.

CONTACT INFO:
GREG ALTSHULER
37 CROSBY STREET, 4A
NEW YORK, NY 10013
917-575-8532

FILED MAP NO. 29373

SEC NO: 108.03 **BLOCK NO: 3** **LOT NO: 39.1** **SUBLOT NO: 1**

REVISIONS						
9-9-22	TOWN COMMENTS		AW			
DATE:	DESCRIPTION	BY/CK	DATE:	DESCRIPTION	BY/CK	

STATE OF NEW YORK · NICHOLAS GABOURY · LICENSED PROFESSIONAL ENGINEER · No. 090349

NICHOLAS GABOURY P.E.

SITE PLAN

IREP-CG EAST LANE LLC
8 EAST LANE
TOWN OF NORTH CASTLE, WESTCHESTER COUNTY, NY.

BIBBO ASSOCIATES, LLP
293 ROUTE 100 SUITE 203
SOMERS, NEW YORK 10589
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DATE:	6-6-2022
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FILE:	----
DSGN / CHK:	NG
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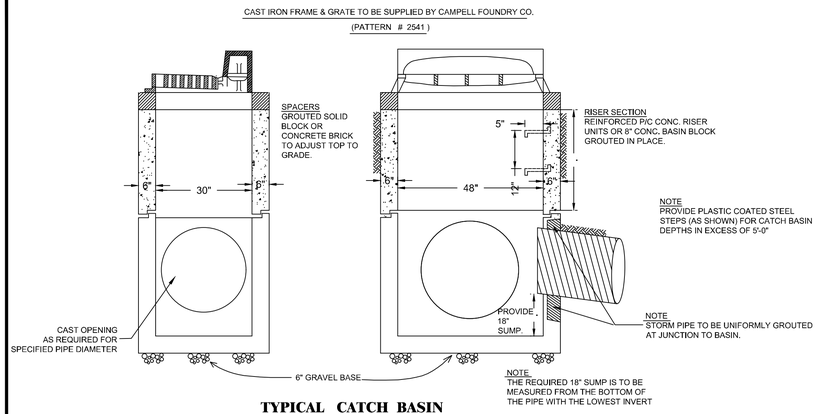
SHT NO.	3 OF 5
DWG NO.	SP-1

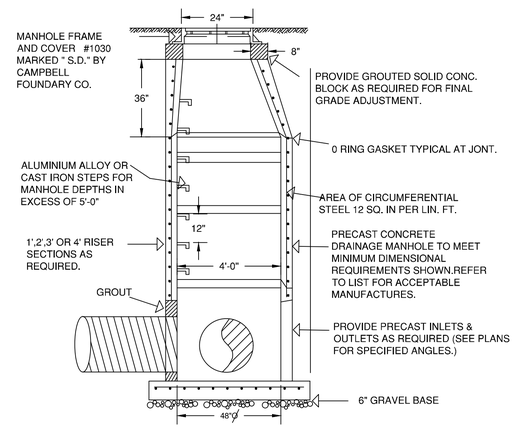
P:\Projects\Turret, Levi\dwg\Altshuler\Altshuler Lot 1 CURRENT- 9-2-22.dwg, 9/12/2022 9:27:32 AM, AWitkowsky, 1:1



TYPICAL CATCH BASIN

N.T.S.

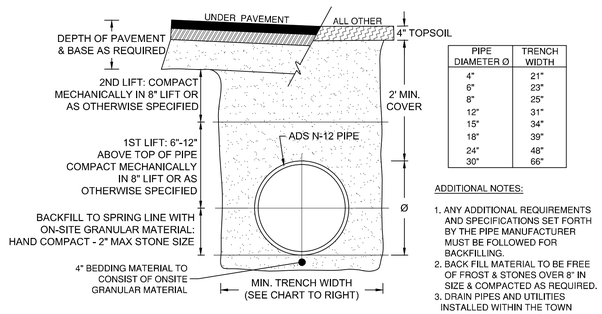
(HEAVY DUTY H-20 LOADING REQUIRED)



TYPICAL DRAINAGE MANHOLE

N.T.S.

(HEAVY DUTY H-20 LOADING REQUIRED)



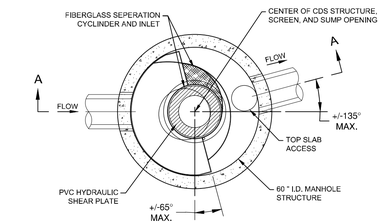
PIPE DIAMETER Ø	TRENCH WIDTH
4"	21"
6"	23"
8"	25"
12"	31"
15"	34"
18"	39"
24"	48"
30"	66"

DRAINAGE PIPE INSTALLATION

N.T.S.

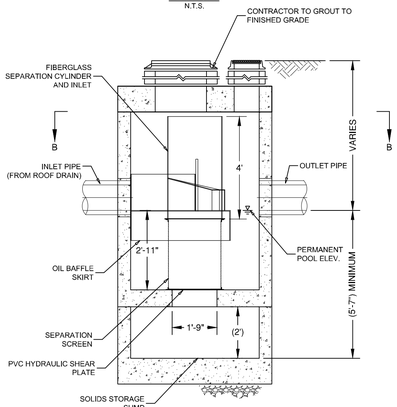
ADDITIONAL NOTES:

1. ANY ADDITIONAL REQUIREMENTS AND SPECIFICATIONS SET FORTH BY THE PIPE MANUFACTURER MUST BE FOLLOWED FOR BACKFILLING.
2. BACK FILL MATERIAL TO BE FREE OF FROST & STONES OVER 8" IN SIZE & COMPACTED AS REQUIRED.
3. DRAIN PIPES AND UTILITIES INSTALLED WITHIN THE TOWN ROAD SHALL BE BACKFILLED WITH CLSM FILL (K-CRETE).



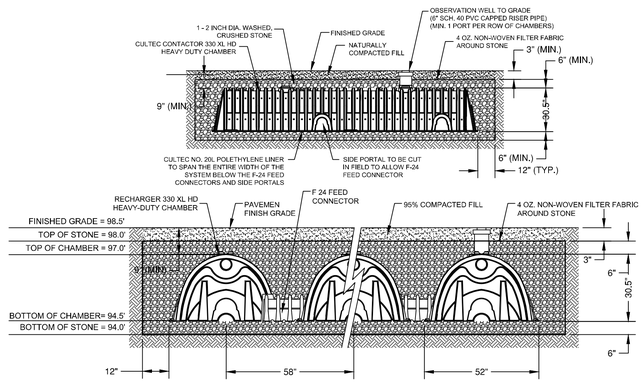
PLAN VIEW

N.T.S.



SECTION A-A

N.T.S.



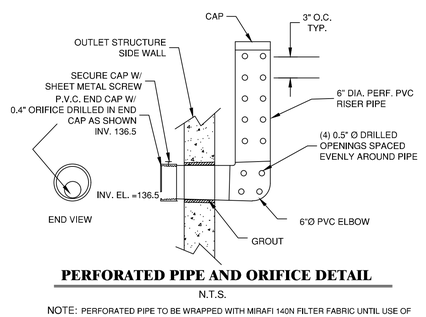
GENERAL NOTES

RECHARGER 330 XL HD BY CULTEC, INC. OF BROOKFIELD, CT.
STORAGE PROVIDED = 11.32 CF/FT PER DESIGN UNIT.
INSTALLED LENGTH = 7.00'
REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.
USE RECHARGER 330 XL HD HEAVY DUTY FOR TRAFFIC AND/OR H20 APPLICATIONS.

ALL RECHARGER 330 XL HD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
ALL RECHARGER 330 XL HD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

CULTEC RECHARGER 330 XL

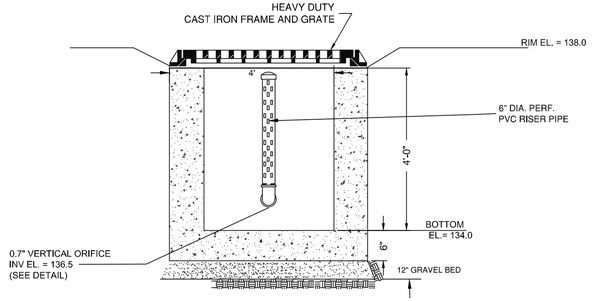
N.T.S.



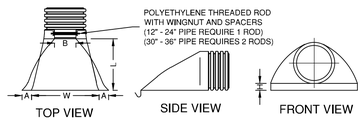
PERFORATED PIPE AND ORIFICE DETAIL

N.T.S.

NOTE: PERFORATED PIPE TO BE WRAPPED WITH MIRAFI 140N FILTER FABRIC UNTIL USE OF THE STORMWATER BASIN AS A TEMPORARY SEDIMENT BASIN.



ELEVATION VIEW

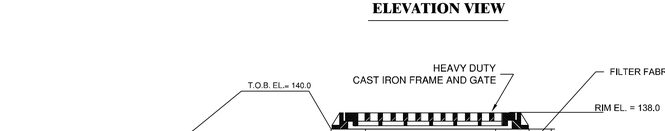


ADS PRODUCT DIMENSIONS						
PART #	PIPE Ø	A	B (MAX)	H	L	W
1210NP	12"	6.5"	10"	6.5"	25"	29"
1510NP	15"	6.5"	10"	6.5"	25"	29"
1810NP	18"	7.5"	15"	6.5"	32"	35"
2410NP	24"	7.5"	18"	6.5"	36"	45"
3015NP	30"	7.5"	12"	8.6"	36"	63"
3615NP	36"	7.5"	25"	8.6"	58"	63"

ADS - FLARED END SECTION

OR APPROVED EQUAL

N.T.S.

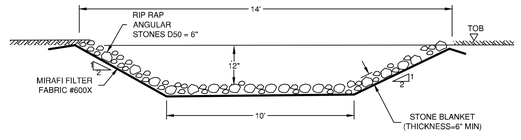


SECTION VIEW

OUTLET CONTROL STRUCTURE DETAIL

(N.T.S.)

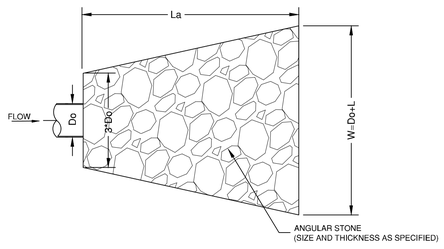
CATCH BASIN WITH FLAT TOP GRATE (30" X 48")
(HEAVY DUTY, H-20 LOADING)
MANUFACTURED BY CONNECTICUT PRECAST CORP.
OR APPROVED EQUAL



SWTA EMERGENCY SPILLWAY CROSS SECTION

APPLY TO ALL SWQB' S

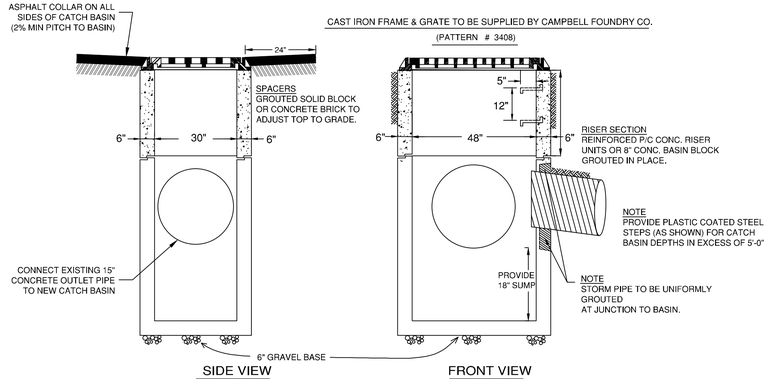
N.T.S.



RIP-RAP OUTLET PROTECTION DETAIL

N.T.S.

ROCK OUTLET PROTECTION SIZING					
	La (ft)	3*Do (ft)	W (ft)	THICKNESS (in)	STONE SIZE (in)
INFILTRATION SYS #3	12	6	14	12	6-9"
STORMWATER BASIN	6	3.75	7.25	9	4-6"



TYPICAL CATCH BASIN (TYPE CL)

N.T.S.

(HS-20-44 LOADING DESIGN REQUIRED)

CHAMBER SIZING	
RATED TREATMENT CAPACITY	1.6 cfs
1 YEAR PEAK FLOW TO PRACTICE	1.24 cfs
MAX. INTERNAL BYPASS CAPACITY	14.0 cfs
100 YEAR PEAK FLOW TO PRACTICE	9.96 cfs

CONTECH STORMWATER SOLUTIONS CDS 2025 PRECAST CONCRETE WATER QUALITY SYSTEM DETAIL

N.T.S.

GENERAL NOTES

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH STORMWATER SOLUTIONS REPRESENTATIVE. www.contechstormwater.com
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING. AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT OR BELOW OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES

1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
3. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
4. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
5. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

FILED MAP NO. 29373

SEC NO: 108.03 **BLOCK NO: 3** **LOT NO: 39.1** **SUBLOT NO: 1**

REVISIONS						
9-9-22	TOWN COMMENTS	AW				
DATE:	DESCRIPTION	BY/CK	DATE:	DESCRIPTION		BY/CK

STATE OF NEW YORK · NICHOLAS GABOURY · LICENSED PROFESSIONAL ENGINEER · No. 099349

NICHOLAS GABOURY P.E.

DETAILS

IREP-CG EAST LANE LLC
8 EAST LANE
TOWN OF NORTH CASTLE, WESTCHESTER COUNTY, NY.

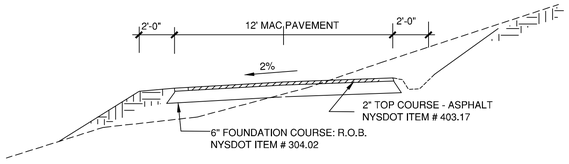
DATE:	6-6-2022
SCALE:	AS SHOWN
FILE:	----
DSGN / CHK:	NG
DRN. BY:	AW
SHT NO.	4 OF 5
DWG NO.	D-1

BIBBO ASSOCIATES, LLP
293 ROUTE 100 SUITE 203
SOMERS, NEW YORK 10589
TEL. 914 277 5805

P:\Projects\Turret, Lee\dwg\Altshuler\Altshuler Lot 1 CURRENT - 9-2-22.dwg, 9/12/2022 9:28:04 AM, AWitkowsky, 1:1

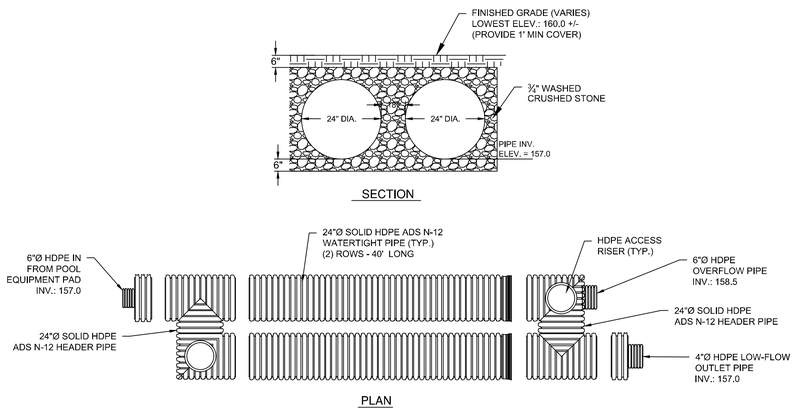
EXISTING TREE HEALTH CHART			
ID #	TREE	HEALTH	STATUS
46	26" ASH	POOR	REMAIN
47	24" ASH	GOOD	"
48	16" ASH	GOOD	"
49	18" ASH	GOOD	"
50	18" ASH	GOOD	"
51	18" ASH	GOOD	"
52	16" ASH	GOOD	"
53	16" ASH	GOOD	"
54	12" ASH	DEAD	"
55	14" ASH	GOOD	"
56	14" ASH	GOOD	"
57	14" ASH	GOOD	"
58	18" OAK	GOOD	"
59	16" ASH	GOOD	"
60	16" ASH	GOOD	"
61	16" ASH	POOR	"
62	14" ASH	GOOD	"
63	26" MAP	GOOD	"
64	24" MAP	GOOD	"
65	22" MAP	GOOD	"
66	22" MAP	GOOD	"
67	16" MAP	GOOD	"
68	24" MAP	GOOD	REMOVE
69	20" ASH	GOOD	"
70	16" MAP	GOOD	"
71	16" ASH	GOOD	"
72	26"/22" ASH	GOOD	REMAIN
73	18" ASH	GOOD	"
74	16" ASH	GOOD	REMOVE
75	16" ASH	GOOD	"
76	28" ASH	GOOD	"
77	22" ASH	GOOD	REMAIN
78	16" ASH	GOOD	"
79	24" ASH	POOR	"
80	24" BRCH	GOOD	"
81	18" MAP	GOOD	"
82	22" ASH	GOOD	"
83	26" ASH	GOOD	REMOVE
84	36" ASH	POOR	"
85	16" MAP	GOOD	REMAIN
86	16" MAP	GOOD	"
87	28" MAP	GOOD	"
88	34" ASH	GOOD	"
89	24" ASH	GOOD	"
151	22"/18" ASH	GOOD	"
152	36"/36"MAP	GOOD	"
164	36" ASH	GOOD	"
165	24" HKY	GOOD	REMOVE
166	24" HKY	GOOD	"

KEY TO TREE IDENTIFICATION	
SYMBOL	NAME
MAP	MAPLE
ASH	ASH
PINE	PINE
OAK	OAK
TUL	TULIP
ELM	ELM



TYPICAL DRIVEWAY

N.T.S.

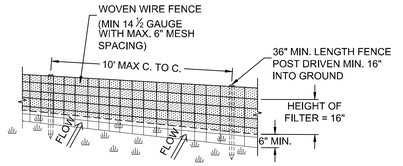


UNDERGROUND PIPE DETENTION SYSTEM DETAIL

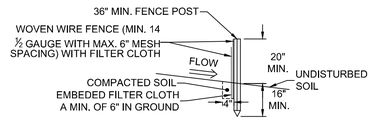
N.T.S.

NOTE:

* IF GROUNDWATER IS ENCOUNTERED DURING INSTALLATION CONCRETE DEADMEN AND ANCHORING STRAPS SHALL BE PROVIDED AS NEEDED. CONTRACTOR SHALL CONTACT DESIGN ENGINEER REGARDING FIELD CHANGE IF REQUIRED.



PERSPECTIVE VIEW

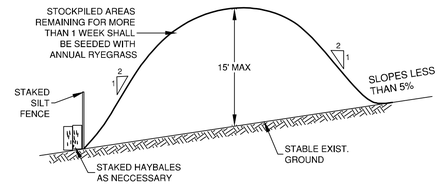


SECTION VIEW

CONSTRUCTION SPECIFICATIONS:

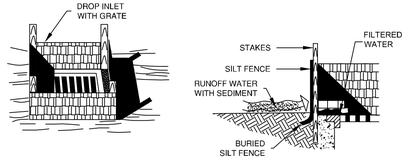
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL WITHER "T" OR "U" TYPE OR HARDWOOD
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. 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.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE DETAIL



TYPICAL SOIL STOCKPILE DETAIL

N. T. S.



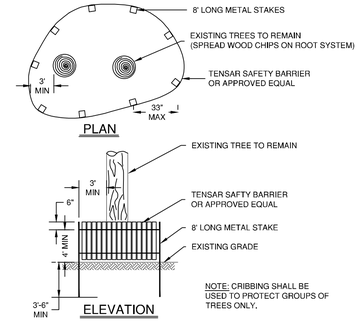
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLCABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 % WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 c.f.s.) ARE TYPICAL. WHERE SLOPES OF FLOWS ARE GREATER OR WHERE CONCENTRATED FLOWS ARE ANTICIPATED, USE HORIZONTAL BRACES ACROSS STAKES AND SURROUND SILT FENCE WITH CRUSHED STONE.

SILT FENCE DROP INLET SEDIMENT FILTER

N.T.S.

NOTE:
THE GRATE OPENING IN CB #s 8, 11, 23 AND 30 SHALL BE SECURELY COVERED WITH MIRAFI 140N FILTER FABRIC UNTIL PAVEMENT IS REPLACED OVER TRENCH LINE.



CRIBBING- EXISTING TREE PROTECTION

N.T.S.

TREE PROTECTION SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY.

SITE SPECIFIC EROSION CONTROLS & SEQUENCING

CONSTRUCTION OF ROADWAY:

1. CLEAR TREES TO END OF ROADWAY, ACCESS TO SWQ BASIN, AND CONSTRUCTION STAGING AREA

IMPORTANT: DO NOT GRUB TREES UNTIL EROSION CONTROLS ARE INSTALLED.

2. INSTALL CONSTRUCTION ENTRANCE TO SITE AS SHOWN.

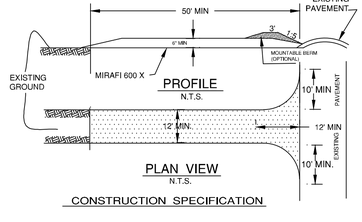
3. INSTALL ALL SILT FENCE AS REQUIRED. ESTABLISH SITES FOR STOCKPILING TOPSOIL, GRUB ALL TREE STUMPS PREVIOUSLY CUT AND REMOVE FROM SITE.

4. ROUGH CUT THE ROADWAY, STABILIZE EMBANKMENTS

5. INSTALL DRAINAGE PIPING. PROVIDE CATCH BASINS WITH DRAIN INLET SEDIMENT FILTER

6. STABILIZE AND SEED DISTURBED AREAS REQUIRED. ALL EMBANKMENTS GREATER THAN 10' IN WIDTH WITH SLOPE GREATER THAN 1:3 SHALL BE STABILIZED WITH A BIODEGRADABLE EROSION CONTROL MAT CONTAINING A RYE GRASS SEED.

7. COMPLETE ROAD SYSTEM TO BINDER COURSE. REMOVE ALL ACCUMULATED SILT IN THE SUMPS.



CONSTRUCTION SPECIFICATION

1 STONE SIZE- USE 2" ANGULAR STONE

2 LENGHT-NOT LESS THAN 50'

3 THICKNESS- NOT LESS THAN SIX (6) INCHES.

4 WIDTH- TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.

5 MIRAFI 600 X WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.

6 SURFACE WATER- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRACES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

7 MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

8 WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE & WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

9 PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

N.T.S.

EROSION CONTROL PROGRAM

PURPOSE

ALL CONSTRUCTION ACTIVITIES INVOLVING THE REMOVAL OR DEPOSITION OF SOILS ARE TO BE PROVIDED WITH APPROPRIATE PROTECTIVE MEASURES TO INHIBIT EROSION AND TO CONTAIN SEDIMENT DEPOSITION WITHIN THE AREA UNDER DEVELOPMENT. THOSE METHODS DEEMED HIGHLY EFFECTIVE ARE DESCRIBED BELOW AND SHOWN ON THIS DRAWING.

REQUIRED PROCEDURES

1. PRIOR TO START OF SITE CONSTRUCTION: ALL CONSTRUCTION ENTRANCES TO SITE SHALL BE INSTALLED AND STABILIZED. ALL TEMPORARY SILTATION BASINS AND/OR OTHER APPROVED SEDIMENT CONTROL MEASURES SHALL BE IN PLACE WHERE MOST EFFECTIVE.
2. ALL TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL REMAIN IN PLACE, MAINTAINED REGULARLY IN PROPER FUNCTIONING CONDITION, UNTIL ALL AREAS EXPOSED DURING SITE CONSTRUCTION HAVE BEEN SUITABLY STABILIZED WITH PAVEMENT, PERMANENT STRUCTURES AND/OR FINAL VEGETATION COVER.

CONSTRUCTION GUIDELINES

A. WHEREVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED (BY FLAGGING OR OTHER EFFECTIVE MEANS).

B ONLY THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME DURING CONSTRUCTION.

C SITE CONSTRUCTION ACTIVITIES SHALL START WHENEVER POSSIBLE AT THE NEAREST POINT UPSTREAM OF THESE SILT TRAPS AND PROCEED TO ACTIVITIES FURTHER UPSTREAM.

D. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE PERIOD OF EXPOSURE SHALL BE KEPT TO A MINIMUM, INSTALLING PERMANENT AND FINAL VEGETATION, PAVING, STRUCTURES, ETC., AT THE EARLIEST POSSIBLE OPPORTUNITY.

E. CONSTRUCTION EQUIPMENT SHALL NOT UNNECESSARILY CROSS LIVE STREAMS EXCEPT BY MEANS OF BRIDGES, CULVERTS OR OTHER APPROVED MEANS.

F. SEDIMENT CONTROL MEASURES INSTALLED IN LIVE STREAMS SHOULD GENERALLY BE MADE OF STONE AND MUST BE SPECIFICALLY DESIGNED, TAKING INTO ACCOUNT THE SIZE OF DRAINAGE BASIN ANTICIPATED STREAM FLOWS AND STREAM VELOCITIES.

G. NO CONSTRUCTION ACTIVITIES WITHIN OR NEAR LIVE STREAMS (CREATION OF PONDS, REALIGNMENT OF STREAM CHANNELS, INSTALLATION OF LARGE CULVERTS, ETC.) SHALL BEGIN UNTIL APPROPRIATE MEASURES FOR TEMPORARILY DIVERTING STREAM FLOW PAST THE WORK SECTION AND REQUIRED DOWNSTREAM SEDIMENT CONTROLS ARE IN PLACE. IN GENERAL THESE SEDIMENT CONTROLS ARE TO BE REMOVED ONLY WHEN ALL CONSTRUCTION ACTIVITY UPSTREAM HAS BEEN SATISFACTORILY COMPLETED AND THE STREAM FLOWS CLEAR.

H. NOTES ON SITE STABILIZATION

1. ALL TOPSOIL TO BE STRIPPED FROM THE AREA BEING DEVELOPED, SHALL BE STOCKPILED NOT LESS THAN 50 PEET FROM ANY BODY OF SURFACE WATER AND SHALL BE IMMEDIATELY SEEDED TO MANHATTAN RYE GRASS.

2. ON ALL EMBANKMENT FILL SLOPES, TOPSOIL SHALL BE STRIPPED AT LEAST FIVE (5) FEET WIDER THAN REQUIRED FOR THE EMBANKMENT TOE OF SLOPE. A PROTECTIVE BERM OF TOPSOIL SHALL BE LEFT IN THIS AREA, RUNNING PARALLEL TO THE CONTOURS FOR THE PURPOSE OF RESTRICTING DRAINAGE RUNOFF. THE TOPSOIL BERM SHALL BE SEEDED AS REQUIRED FOR

3. IN ADDITION TO THE ABOVE, FURTHER EROSION AND SILTATION CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO SLIT TRENCH SILT TRAPS, STAKED HAYBALES OR BRUSH CHECKDAMS, SHALL ALSO BE EMPLOYED WHERE NECESSARY FOR SUPPLEMENTARY EROSION CONTROL MEASURES.

NOTES ON EMBANKMENT STABILIZATION

ALL CUT SLOPES AND EMBANKMENTS FILLS ARE TO BE IMMEDIATELY LAID BACK AND STABILIZED AS FOLLOWS:

A. GRADED TO FINISHED SLOPES

B. SCARIFIED

C. TOPSOILED WITH NOT LESS THAN FOUR (4) INCHES OF SVITABLE TOPSOIL MATERIAL

D. SEEDED WITH FOLLOWING GRASS MIXTURE (BY WEIGHT) OR APPROVED EQUAL:

45% KENTUCKY BLUE GRASS
45% CREEPING RED FESCUE
10% PERENNIAL RYE GRASS

SEED SHALL BE APPLIED AT THE RATE OF NOT LESS THAN TWO (2) POUNDS PER 1000 SQUARE FEET

E. MULCHED WITH NOT LESS THAN ONE (1) INCH AND NOT MORE THAN THREE (3) INCHES OF STRAW AT TWO (2) TONS/ACRE AND ANCHORED IN A SUITABLE MANNER. WHERE SLOPES EXCEED 1:3, SUITABLY ANCHORED NETTING SUCH AS TENEX N030 OR APPROVED EQUAL SHALL BE UTILIZED.

FILED MAP NO. 29373

SEC NO: 108.03 BLOCK NO: 3 LOT NO: 39.1 SUBLOT NO: 1

REVISIONS						
9-9-22	TOWN COMMENTS	AW				
DATE:	DESCRIPTION	BY/CK	DATE:	DESCRIPTION		BY/CK

STATE OF NEW YORK
NICHOLAS GABOURY
LICENSED PROFESSIONAL ENGINEER
NO. 095346
NICHOLAS GABOURY P.E.

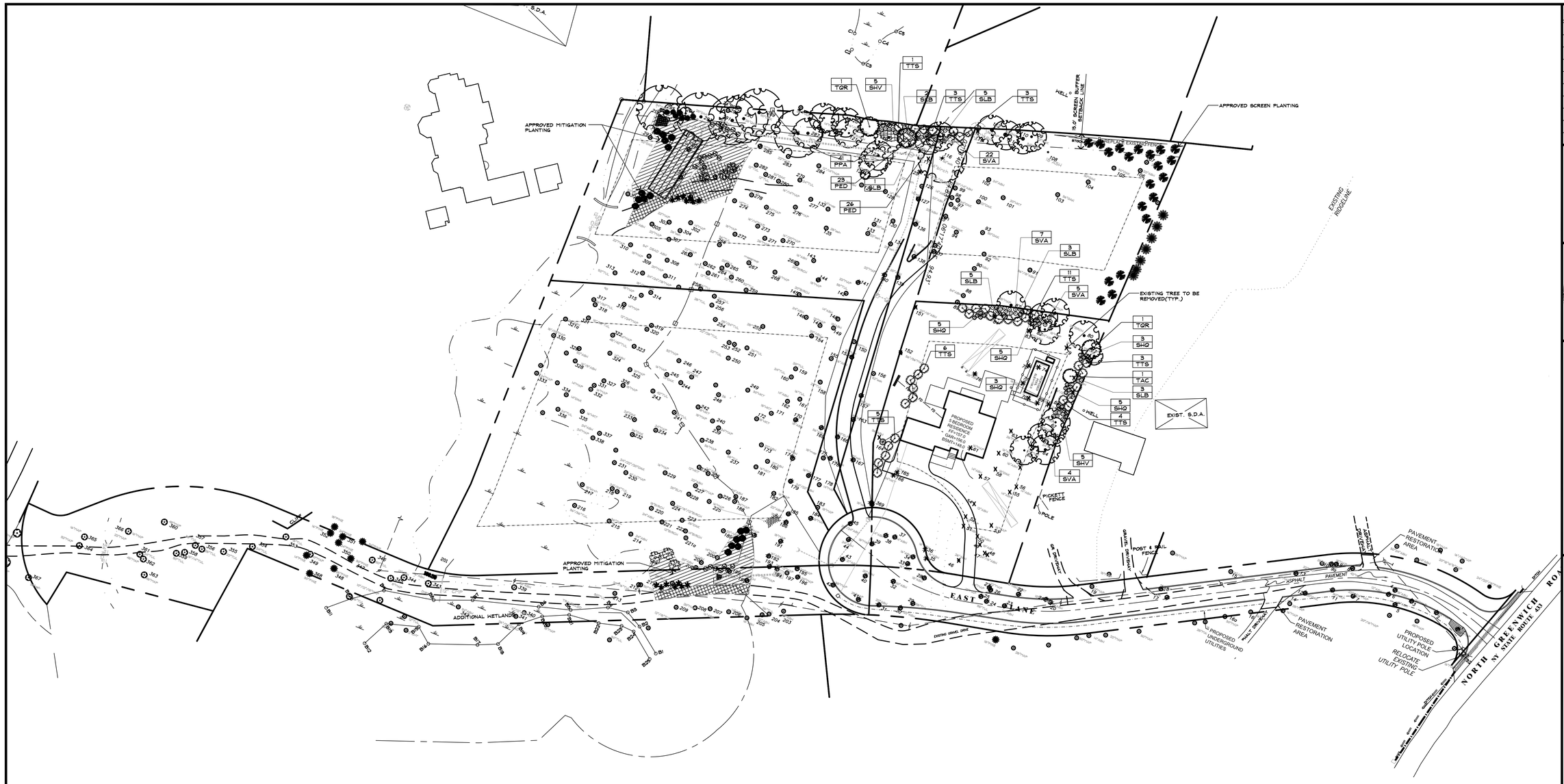
EROSION CONTROL DETAILS

IREP-CG EAST LANE LLC
8 EAST LANE
TOWN OF NORTH CASTLE, WESTCHESTER COUNTY, NY.

BIBBO ASSOCIATES, LLP
293 ROUTE 100 SUITE 203
SOMERS, NEW YORK 10589
TEL. 914 277 5805

DATE:	6-6-2022
SCALE:	AS SHOWN
FILE:	----
DSGN / CHK:	NG
DRN. BY:	AW
SHT NO.	5 OF 5
DWG NO.	**D-2**

P:\Projects\Turet_Lee\dwg\Altshuler\Altshuler Lot 1 CURRENT - 9-2-22.dwg, 9/12/2022 9:28:28 AM, AWitkowsky, 1:1



PLANT SCHEDULE

TREES	BOTANICAL NAME	COMMON NAME	CONT		QTY	REMARKS
TAC	Amelanchier canadensis	Canadian Serviceberry	B & B		1	
TQR	Quercus rubra	Red Oak	B & B		3	
TTS	Thuja standishii x plicata 'Green Giant'	Green Giant Arborvitae	B & B		36	
SHRUBS	**BOTANICAL NAME**	**COMMON NAME**	**CONT**		**QTY**	**REMARKS**
SHV	Hamamelis virginiana	Common Witch Hazel	5 gal		10	
SHQ	Hydrangea quercifolia	Oakleaf Hydrangea	5 gal		21	
SLB	Lindera benzoin	Spicebush	5 gal		20	
SVA	Vaccinium angustifolium	Lowbush Blueberry	5 gal		38	
GROUND COVERS	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SPACING**	**QTY**	**REMARKS**
	Eurybia divaricata	White Wood Aster	4"pot	24" o.c.	49	
	Polystichum acrostichoides	Christmas Fern	4"pot	24" o.c.	41	

LEGEND

EXISTING DECIDUOUS TREE TO REMAIN

EXISTING DECIDUOUS TREE TO BE REMOVED

PLANT NOTES

1. EXISTING SITE AND PROPERTY LINE INFORMATION AND PROPOSED SITE AND UTILITY LAYOUT WAS TAKEN FROM CAD FILES PROVIDED BY BIBBO ASSOCIATES, CIVIL ENGINEERS LOCATED AT 243 NY-100, SOMERS, NY 10589.
2. ANY SUBSTITUTIONS OF PLANT MATERIAL FOR SPECIES, SIZE AND/OR QUANTITY WILL BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
3. ALL TREES AND SHRUBS WILL BE OF HEALTHY VIGOROUS STOCK, GROWN IN A RECOGNIZED NURSERY IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE AND THE STANDARDS OF AMERICAN ASSOCIATION OF NURSERYMEN; FREE OF DISEASE AND DEFECTS.
4. ALL TOPSOIL FOR USE IN PLANTING AREAS WILL BE TESTED BY A LOCAL SOIL TESTING AGENCY AND AMENDED AS RECOMMENDED.
5. ALL PLANTINGS WILL BE MULCHED WITH A MINIMUM OF 2" SWEET PEAT OR BARK MULCH ONLY.

DATE:	REVISION

REGISTERED LANDSCAPE ARCHITECT JOHN P. DIDONA 524 STATE OF NEW YORK
NOT VALID WITHOUT ORIGINAL SIGNATURE AND EMBOSSED SEAL

70 North Street Suite 301
Danbury, Connecticut 06810
Phone: 203-778-1840
Fax: 203-744-1464
e-mail: ddonna@didonnassociates.com
www.didonnassociates.com

didonna

LANDSCAPE PLAN

IREP-CG EAST LANE, LLC
8 EAST LANE
ARMONK, NEW YORK

DATE: 09.07.22
SCALE: 1"=50'
DRAWN BY: JLD, DC
CHECKED BY: JD
SHEET NO.: **L-1.0**

BIBBO ASSOCIATES, L.L.P.
Consulting Engineers

Timothy S. Allen, P.E.
Nicholas Gaboury, P.E.
Matthew J. Gironda, P.E.

September 12, 2022

Town of North Castle
Planning Board
17 Bedford Road
Armonk, NY 10504-1898

ATTN: Mr. Christopher Carthy, Chairman

RE: Site Plan
IREP-CG East Lane, LLC
Turet Subdivision – East Lane

Dear Members of the Board:

On behalf of our client, please find enclosed the following in support of Site Plan Approval:

- 1 copy – Site Plan (5 Sheets), last revised 9-9-2022
- 1 copy – Planting Plan, prepared by Jane Didona, RLA, dated 9-9-2022
- 1 copy – Lot 1 HydroCAD Stormwater Analysis Output Report
- 1 copy – Gross Land Coverage Worksheet (with Graphical Plan)
- 1 copy – Previously Approved Subdivision Plan Set (for reference only)

The project plans and documents attached herewith have been prepared pursuant to the comments found in the Town Planning Department Staff Report dated August 1, 2022 and in the Town Engineer memorandum dated July 28, 2022. We offer the following responses for the Board's consideration:

Town Planning Department Staff Report Memorandum dated August 1, 2022:

Procedural Comments

1. Comment noted. A short Environmental Assessment Form has been previously submitted.
2. Our office is currently working on a submission to the North Castle Architectural Review Board (ARB) for review and comment. We anticipate presenting the project to the ARB at their September meeting.
3. The site plan have been forwarded to the Chief of Police, Fire Inspector, and the Armonk Fire Chief for review and comment. Please note, the Armonk Fire Department previously reviewed the subdivision plans and it was determined at that time that a fire protection storage tank was not necessary for this subdivision.

4. Comment noted. A curb cut permit will be obtained from the North Castle Highway Department prior to construction.
5. Our office is currently working on preparing the neighboring notification in coordination with the Town Tax Assessor and Planning Department. We anticipate the notices will be sent to neighbors at least 10 days prior to the September 29, 2022 Planning Board Meeting.
6. The site plan application has been forwarded to the Westchester County Planning Board for review and comment.
7. The neighbor notification notice will be sent to the Town of Greenwich Town Clerk when the notices are mailed out to the surrounding neighbors.

General Comments

1. A Planting Plan has been prepared by Jane Didona, RLA based on the comments received during the site walk and at the Planning Board Meeting held on August 1, 2022.
2. The Zoning Data has been updated to display gross lot area and the net lot area. The net lot area has been used for the revised coverage worksheets provided herewith.
3. The site plan has been revised to show the correct front yard setback for the proposed residence. The gross land coverage worksheet has been updated accordingly to remain consistent.
4. The architect's data provided on the plans did not include the garage or covered porch when totaling the floor area. The gross floor area worksheet provides the correct area of 7,491 square feet.
5. The tree chart has been revised to show only the tree information for the proposed Lot 1 improvements.
6. We do not anticipate rock chipping or blasting for the proposed development. Based on the proposed elevations and our office's recent onsite soil testing results, we anticipate rock removal to be minimal for the proposed development.
7. Mechanical equipment for the proposed residence has been shown on the revised plans.
8. The site plan has been revised to show the proposed location of a pool enclosure fence and a pool fence detail.

Town Engineer Memorandum dated July 28, 2022:

General Comments

1. Comment noted. Our office is awaiting the review of the cost estimates to establish the Bond for the subdivision improvements.
2. There are no proposed changes to the previously approved roadway plans. All roadway details and profiles have been removed from the revised Site Plan set. A copy of the originally approved, stamped, subdivision plans have been submitted herewith, separate from our current Site Plan, for reference purposes only.
3. Comment noted. A New York State Department of Transportation (NYSDOT) Work Permit was previously approved by the NYSDOT and our office is currently working with the applicant and their contractors to update the NYSDOT approvals.
4. A proposed site distance has been included on the revised Site Plan.
5. Comment noted. A NYSDEC Notice of Intent (NOI) will be filed with the NYSDEC prior to the start of construction.

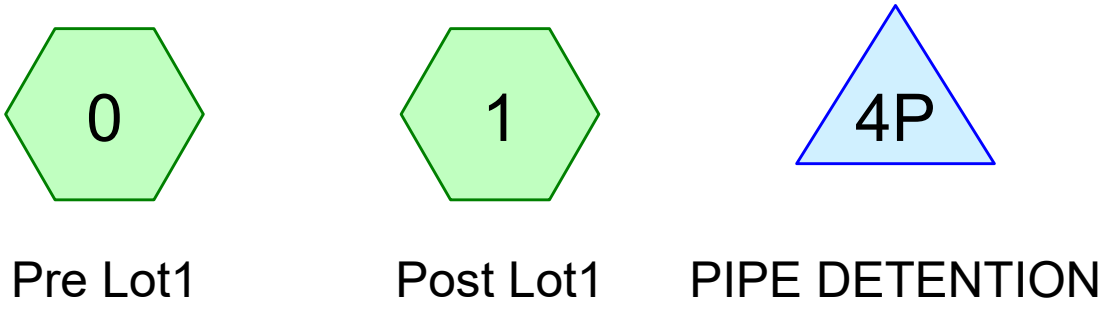
6. Our office is currently addressing comments received from the Westchester Department of Health (WCDH) for the proposed onsite septic system and drilled well. Once WCDH permit approval is obtained, copies will be provided to the Town.
7. An underground pipe detention system has been provided on the revised plan to capture and treat the 6" winterization drawdown for the proposed swimming pool. The pipe detention sizing information is included in the attached Lot 1 HydroCAD Analysis.
8. The proposed stormwater management design for 8 East Lane (Lot 1) was developed to be consistent with the design that was approved during the subdivision review. As previously approved, the Lot 1 roof and paved driveway are treated in the proposed pocket pond at the end of East Lane. Runoff from the patio areas in the rear of the proposed residence and surrounding the proposed pool will flow offsite overland towards the western property line. As demonstrated in the additional Lot 1 HydroCAD Analysis provided herewith, the peak overland flow rate leaving the site is reduced under post-development conditions when compared with the existing development. Therefore, the development will not adversely affect the downstream properties. Please note, the project is located outside the NYCDEP watershed and post-development stormwater treatment practices are not required as part of the NYDEC NOI coverage for the project.
9. The list of "East Lane Construction Notes" on the plan set has been updated to reference the sequencing of construction and maintaining access for the roadway users. The plan is to construct East Lane one lane at a time to allow vehicles to safely pass by the construction. Please note, as witnessed during the site walk, the existing East Lane private roadway is in severe disrepair and the temporary access created during construction will be an immediate improvement upon the existing conditions.

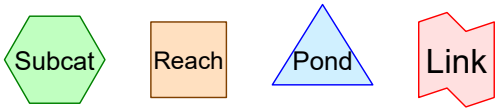
We respectfully request the project be place on your next available meeting agenda for a public meeting. Please feel free to contact our office if you have any questions or concerns.

Very truly yours,

Nicholas Gaboury, P.E.

NG/mme
Enclosures
cc: G. Altshuler
L. Turet





Routing Diagram for Lot 1 HydroCAD Analysis
Prepared by Bibbo Associates, Printed 9/9/2022

Summary for Subcatchment 0: Pre Lot1

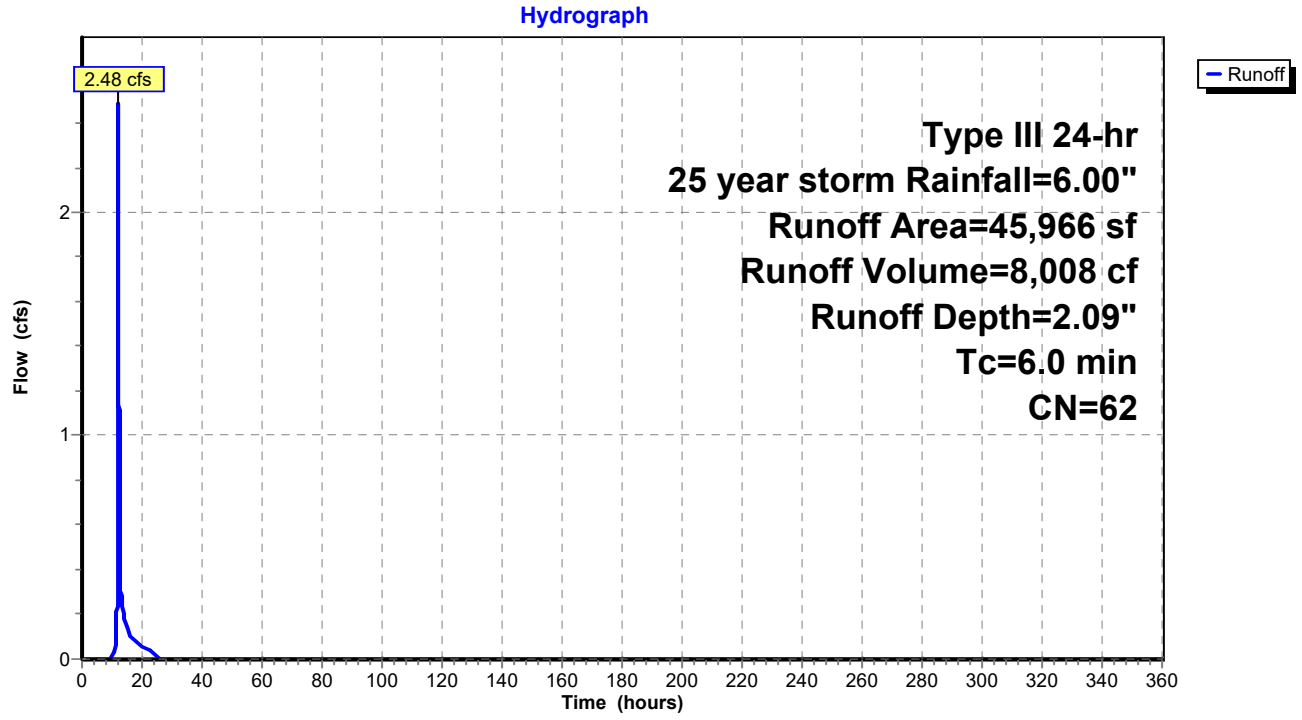
Runoff = 2.48 cfs @ 12.09 hrs, Volume= 8,008 cf, Depth= 2.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-360.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year storm Rainfall=6.00"

	Area (sf)	CN	Description
	21,436	55	Woods, Good, HSG B
	19,817	61	>75% Grass cover, Good, HSG B
*	4,713	98	Impervious
	45,966	62	Weighted Average
	41,253		89.75% Pervious Area
	4,713		10.25% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 0: Pre Lot1



Summary for Subcatchment 1: Post Lot1

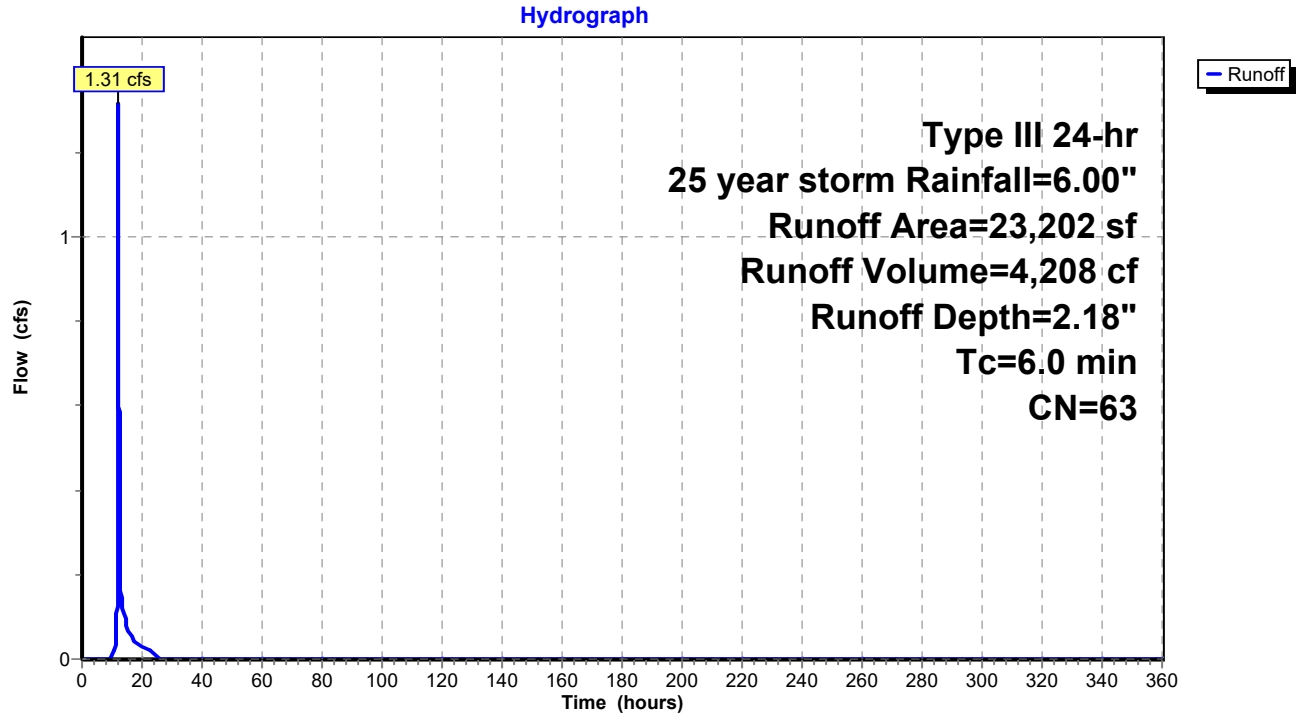
Runoff = 1.31 cfs @ 12.09 hrs, Volume= 4,208 cf, Depth= 2.18"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-360.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year storm Rainfall=6.00"

	Area (sf)	CN	Description
	10,186	55	Woods, Good, HSG B
	10,297	61	>75% Grass cover, Good, HSG B
*	2,719	98	Impervious
	23,202	63	Weighted Average
	20,483		88.28% Pervious Area
	2,719		11.72% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 1: Post Lot1



Summary for Pond 4P: PIPE DETENTION

Volume	Invert	Avail.Storage	Storage Description
#1A	488.57'	271 cf	**7.45'W x 46.33'L x 3.00'H Field A** 1,036 cf Overall - 359 cf Embedded = 677 cf x 40.0% Voids
#2A	488.90'	284 cf	**ADS N-12 24"** x 4 Inside #1 Inside= 23.8"W x 23.8"H => 3.10 sf x 20.00'L = 62.0 cf Outside= 28.0"W x 28.0"H => 3.92 sf x 20.00'L = 78.4 cf 2 Rows of 2 Chambers 5.78' Header x 3.10 sf x 2 = 35.9 cf Inside
		554 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	488.90'	**4.0" Round Culvert** L= 60.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 488.90' / 488.00' S= 0.0150 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#2	Primary	490.40'	**6.0" Round Culvert** L= 60.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 490.40' / 488.00' S= 0.0400 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' (Free Discharge)
↑—**1=Culvert** (Controls 0.00 cfs)
└—**2=Culvert** (Controls 0.00 cfs)

Pond 4P: PIPE DETENTION - Chamber Wizard Field A

Chamber Model = ADS N-12 24" (ADS N-12® Pipe)
Inside= 23.8"W x 23.8"H => 3.10 sf x 20.00'L = 62.0 cf
Outside= 28.0"W x 28.0"H => 3.92 sf x 20.00'L = 78.4 cf

28.0" Wide + 13.4" Spacing = 41.4" C-C Row Spacing

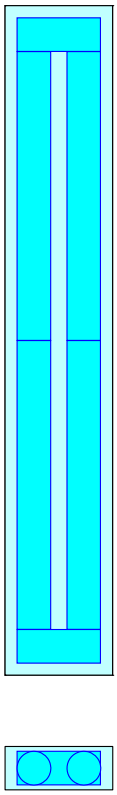
2 Chambers/Row x 20.00' Long +2.33' Header x 2 = 44.67' Row Length +10.0" End Stone x 2 = 46.33' Base Length
2 Rows x 28.0" Wide + 13.4" Spacing x 1 + 10.0" Side Stone x 2 = 7.45' Base Width
4.0" Base + 28.0" Chamber Height + 4.0" Cover = 3.00' Field Height

4 Chambers x 62.0 cf + 5.78' Header x 3.10 sf x 2 = 283.9 cf Chamber Storage
4 Chambers x 78.4 cf + 5.78' Header x 3.92 sf x 2 = 359.1 cf Displacement

1,035.6 cf Field - 359.1 cf Chambers = 676.5 cf Stone x 40.0% Voids = 270.6 cf Stone Storage

Chamber Storage + Stone Storage = 554.5 cf = 0.013 af
Overall Storage Efficiency = 53.5%
Overall System Size = 46.33' x 7.45' x 3.00'

4 Chambers
38.4 cy Field
25.1 cy Stone



TOWN OF NORTH CASTLE

WESTCHESTER COUNTY
17 Bedford Road
Armonk, New York 10504-1898

PLANNING DEPARTMENT
Adam R. Kaufman, AICP
Director of Planning

Telephone: (914) 273-3542
Fax: (914) 273-3554
www.northcastleny.com

GROSS LAND COVERAGE CALCULATIONS WORKSHEET

Application Name or Identifying Title: IREP-CG EAST LANE LLC Date: 9-9-22

Tax Map Designation or Proposed Lot No.: 108.03-3-39.1

Gross Lot Coverage

1. Total lot Area (Net Lot Area for Lots Created After 12/13/06): 44,182

2. **Maximum** permitted gross land coverage (per Section 355-26.C(1)(b)): 9,387

3. **BONUS** maximum gross land cover (per Section 355-26.C(1)(b)):
   Distance principal home is beyond minimum front yard setback
   22 x 10 = 220 9,607

4. **TOTAL Maximum Permitted gross land coverage** = Sum of lines 2 and 3

5. Amount of lot area covered by **principal building:**
   1,238 TBR existing + 3,640 proposed = 3,640

6. Amount of lot area covered by **accessory buildings:**
   132 TBR existing + 0 proposed = 0

7. Amount of lot area covered by **decks:**
   319 TBR existing + 0 proposed = 0

8. Amount of lot area covered by **porches:**
   452 TBR existing + 2,125 proposed = 2,125

9. Amount of lot area covered by **driveway, parking areas and walkways:**
   2,672 TBR existing + 3,182 proposed = 3,182

10. Amount of lot area covered by **terraces:**
    0 existing + 0 proposed = 0

11. Amount of lot area covered by **tennis court, pool and mechanical equip:**
    0 existing + 540 proposed = 540

12. Amount of lot area covered by **all other structures:**
    0 existing + 0 proposed = 0

13. Proposed **gross land coverage:** Total of Lines 5 – 12 = 9,487

If Line 13 is less than or equal to Line 4, your proposal **complies** with the Town's maximum gross land coverage regulations and the project may proceed to the Residential Project Review Committee for review. If Line 13 is greater than Line 4 your proposal does not comply with the Town's regulations.

Signature and Seal of Professional Preparing Worksheet

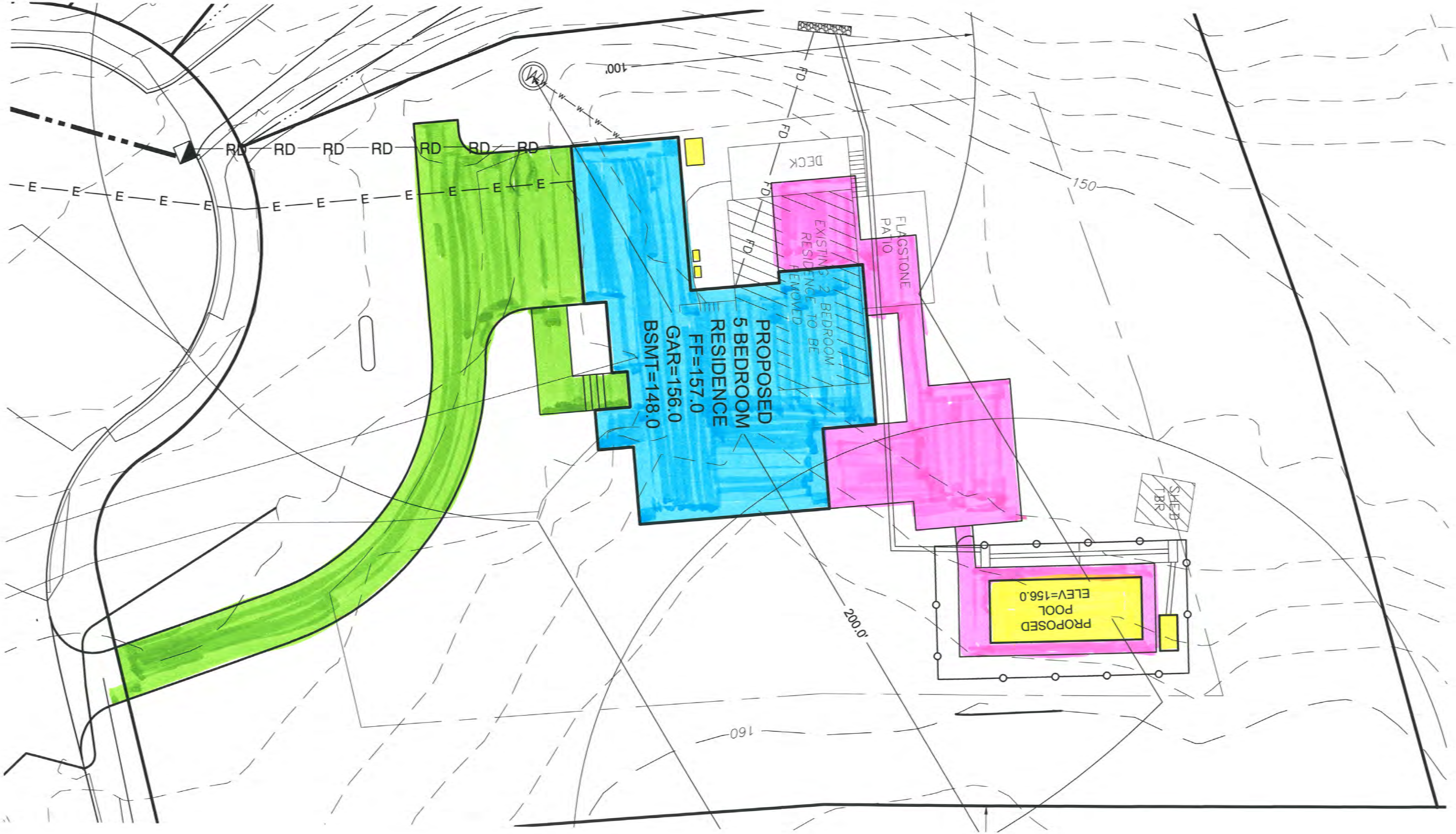
9/12/22
Date

Project IREP-CG EAST LANE LLC - 8 EAST LANE

Gross Land Coverage Breakdown

Legend		Area (SF)
	Principal Building	3640
	Terraces and Porches	2125
	Driveway and Walkway	3182
	Pool and Equipment Pad	540
	All Other Structures	0
	Total	9487

P:\Projects\Turet, Lee\dwg\Altshuler\Altshuler Lot 1 CURRENT- 9-2-22.dwg, 9/9/2022 11:24:18 AM, AWitkowsky, 1:1



NOTES:

1. THE POOLS INDICATED ON THE PLANS ARE NOT APPROVED BY THE PLANNING BOARD AND THEIR CONSTRUCTION WILL BE SUBJECT TO ALL NECESSARY PERMITS.

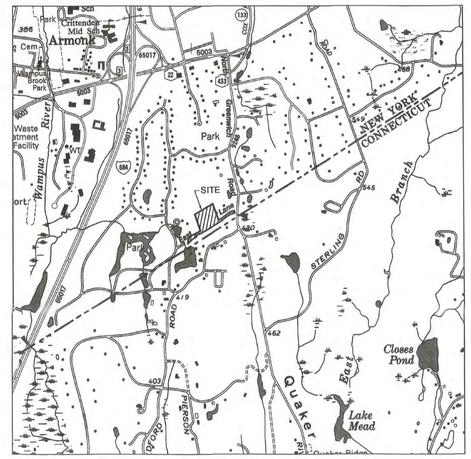
2. METES & BOUNDS, AND ADDITIONAL TAX LOT INFO CAN BE FOUND ON THE SUBDIVISION PLAT PREPARED BY THE PROJECT SURVEYOR.

LEGEND:

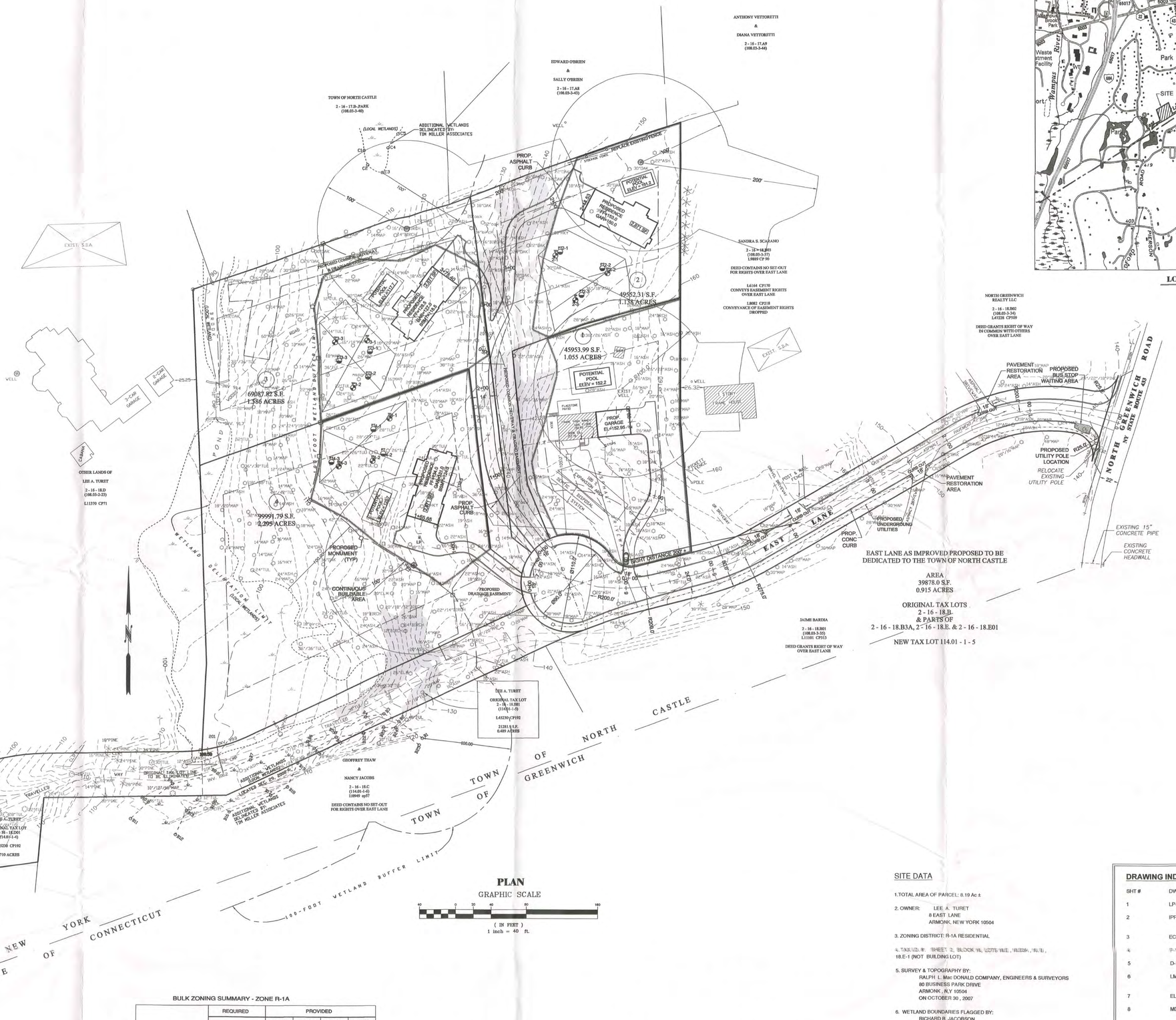
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- EXISTING STONE WALL
- PROP. RESIDENCE W/ DRIVEWAY
- PROP. SDA
- PROP. WELL
- PERCOLATION TEST
- DEEP TEST
- WETLAND BOUNDARY
- 100' WETLAND SETBACK
- PROPOSED LOT LINE
- PROPOSED EASEMENT LINE
- EXISTING TREE (30" Maple)
- EXISTING TREE TO BE REMOVED (30" Maple)
- CONTIGUOUS BUILDABLE AREA

SLOPE LEGEND:

- SLOPES 25% AND GREATER



LOCATION MAP
N.T.S



PLAN
GRAPHIC SCALE
40 0 30 40 80 160
(IN FEET)
1 inch = 40 ft.

BULK ZONING SUMMARY - ZONE R-1A

		REQUIRED	PROVIDED			
			LOT #1	LOT #2	LOT #3	LOT #4
LOT AREA	GROSS	1.0 Ac Min	1.1 Ac	1.1 Ac	1.6 Ac	2.3 Ac
	NET*	1.0 Ac Min	1.0 Ac	1.1 Ac	1.5 Ac	1.8 Ac
FRONTAGE		125'	174'	25'	25'	41'
LOT DEPTH		150'	256.0'	229.4'	219.7'	287.8'
LOT WIDTH		125'	178.2'	131.5'	181.4'	344.0'
FRONT YARD		50'	105'	64'	50'	115'
SIDE YARD		25'	41'	25'	26'	25'
REAR YARD		40'	86'	41'	62'	69'
BUILDING COVERAGE		12 % MAX	6.2 %	5.8%	4.2 %	2.9 %
MAXIMUM BUILDING HEIGHT		2.5 STORIES / 30 FT.	2.5 STORIES 30' MAX	2.5 STORIES 30' MAX	2.5 STORIES 30' MAX	2.5 STORIES 30' MAX

LOT AREA CALCULATIONS

	REQ'D	LOT 1	LOT 2	LOT 3	LOT 4
GROSS LOT AREA	43,560	45,954	49,552	69,088	99,992
AREA IN WETLANDS	TOTAL	-	-	3,922	24,524
WETLAND DEDUCTION	75%	-	-	2,941	18,393
AREA IN STEEP SLOPES	TOTAL	3,543	6,974	432	2,913
STEEP SLOPES DEDUCTION	50%	1,772	3,487	216	1,457
NET LOT AREA	43,560	44,182	46,065	65,931	80,142
CONTIGUOUS BUILDABLE AREA	25,000 SF	39,937	28,162	28,393	31,483

SITE DATA

1. TOTAL AREA OF PARCEL: 8.19 Ac ±
2. OWNER: LEE A. TURET
   8 EAST LANE
   ARMONK, NEW YORK 10504
3. ZONING DISTRICT: R-1A RESIDENTIAL
4. TAX LOT #: SHEET 2, BLOCK 16, LOTS 18.E, 18.B3A, 18.B, 18.E-1 (NOT BUILDING LOT)
5. SURVEY & TOPOGRAPHY BY:
   RALPH L. Mac DONALD COMPANY, ENGINEERS & SURVEYORS
   80 BUSINESS PARK DRIVE
   ARMONK, N.Y 10504
   ON OCTOBER 30, 2007
6. WETLAND BOUNDARIES FLAGGED BY:
   RICHARD B. JACOBSON
   CERTIFIED SOIL SCIENTIST
   ON FEBRUARY 18 & APRIL 8, 2005

ADDITIONAL SITE / PROJECT INFORMATION

1. TOTAL AREA IN WETLANDS: 0.65 Ac (NC-LOCAL ONLY)
2. WETLAND DISTURBANCE
   a. ESTIMATED DISTURBANCE TO WETLANDS = 0.0 Ac
   b. ESTIMATED DISTURBANCE WITHIN WETLAND BUFFER = 0.14 Ac
3. AREA IN STEEP SLOPES:
   a. TOTAL SLOPES > 25% = 0.4 Ac ±
4. SLOPE DISTURBANCE
   a. ESTIMATED DISTURBANCE TO LAND WITH SLOPES > 25% = 0.25 Ac ±
5. ESTIMATED TOTAL SITE DISTURBANCE = 4.13 Ac. ±

APPROVED BY TOWN OF NORTH CASTLE PLANNING BOARD RESOLUTION, DATED : MAY 8, 2017

DATE 01/24/2020
CHRISTOPHER CARTHY, CHAIRMAN
TOWN OF NORTH CASTLE PLANNING BOARD

PLANS REVIEWED FOR CONFORMANCE TO PLANNING BOARD RESOLUTION:

DATE 09/05/19
JOSEPH M. CERMELE, P.E.
KELLARD SESSIONS CONSULTING
CONSULTING TOWN ENGINEERS

DRAWING INDEX:

SHT #	DWG I.D.	TITLE
1	LP-1	LAYOUT PLAN
2	IPP-1	CONSTRUCTION & INTEGRATED PLOT PLAN
3	EC-1	EROSION CONTROL PLAN
4	P-1	ROAD & DRIVEWAY PROFILE
5	D-1	MISCELLANEOUS DETAILS
6	LM-1	LANDSCAPE & WETLAND BUFFER MITIGATION PLAN
7	EL-1	EAST LANE ENTRANCE PLAN
8	MD-1	MPT PLAN & NYSDOT DETAILS

REVISIONS

2-9-09	TOWN COMMENTS	NG	12-2-16	TOWN COMMENTS	NG/NT
10-5-09	TOWN COMMENTS	NG	1-18-17	TOWN ENGINEER COMMENTS	NG/TA
12-17-09	TOWN COMMENTS	NG	3-28-18	FINAL SUBDIVISION REVIEW	NG/TA
1-11-10	TOWN COMMENTS	NG	10-9-18	FINAL SUBDIVISION REVIEW	NG/TA
2-4-10	TOWN COMMENTS	NG	4-5-19	UPDATED SIGNATURE BLOCK	NG/TA
8-30-16	FINAL SUBDIVISION APPLICATION	NG/TA	DATE:	DESCRIPTION	BY/CK

TIMOTHY S. ALLEN, P.E.

LAYOUT PLAN

LEE A. TURET
8 EAST LANE
TOWN OF NORTH CASTLE, WESTCHESTER COUNTY, NY

BIBBO ASSOCIATES, LLP
293 ROUTE 100 SUITE 203
SOMERS, NEW YORK 10589
TEL. 914 277 5805

DATE:	3-3-08
SCALE:	1" = 40'
FILE:	15 D
DSGN / CHK	TSA
DRN. BY	NT/NG
SHT NO.	1 OF 8
DWG NO.	LP-1

EXISTING TREE HEALTH CHART

ID #	TREE	HEALTH	STATUS
1	36" MAP	GOOD	REMOVE
2	24" MAP	GOOD	'
3	30" MAP	GOOD	"
4	18" ASH	GOOD	"
5	18" ASH	GOOD	"
6	12" ASH	GOOD	"
7	22"/18"/14" MAP	GOOD	"
8	42" MAP	GOOD	"
9	18" MAP	GOOD	"
9a	26" MAP	GOOD	"
10	26" MAP	GOOD	REMAIN
11	30" MAP	DEAD	REMOVE
12	20" OAK	GOOD	"
13	24"MAP	GOOD	"
14	28"MAP	GOOD	REMAIN
15	18' ASH	GOOD	"
16	26" MAP	GOOD	"
16a	30" MAP	GOOD	"
17	22" MAP	GOOD	REMOVE
18	28" MAP	GOOD	"
19	12" MAP	GOOD	REMAIN
20	18" ASH	GOOD	REMOVE
21	10"/16" ASH	GOOD	'
22	18" CHSNT	GOOD	"
23	22' ASH	GOOD	"
24	38" TUL	GOOD	"
25	12" MAP	GOOD	"
26	24" MAP	GOOD	"
27	22" MAP	GOOD	"
28	18" ASH	GOOD	"
29	38" TUL	GOOD	"
30	22"ASH	POOR	"
31	22" ASH	GOOD	"
32	20" ASH	GOOD	"
33	16" ASH	GOOD	"
34	16" ASH	GOOD	"
35	16" ASH	GOOD	"
36	16" ASH	GOOD	"
37	14" ASH	GOOD	"
38	14" ASH	GOOD	"
39	18" MAP	GOOD	"
40	20" ASH	GOOD	"
41	28" MAP	GOOD	"
42	38" MAP	GOOD	"
43	21" ASH	GOOD	"
44	24" ASH	GOOD	"
45	24"/24" ASH	GOOD	"
46	26" ASH	GOOD	REMAIN
47	24" ASH	GOOD	"
48	16" ASH	GOOD	"
49	18" ASH	GOOD	"
50	18" ASH	GOOD	REMOVE
51	18" ASH	GOOD	"
52	16" ASH	GOOD	"
53	16" ASH	GOOD	"
54	12" ASH	DEAD	"
55	14" ASH	GOOD	"
56	14" ASH	GOOD	"
57	14" ASH	GOOD	REMAIN
58	18" OAK	GOOD	REMOVE
59	16" ASH	GOOD	"
60	16" ASH	GOOD	"
61	16" ASH	POOR	REMAIN
62	14" ASH	GOOD	REMOVE
63	28" MAP	GOOD	"
64	24" MAP	GOOD	REMAIN
65	22" MAP	GOOD	REMOVE
66	22" MAP	GOOD	REMAIN
67	16" MAP	GOOD	"
68	24" MAP	GOOD	"
69	20" ASH	GOOD	REMOVE
70	16" MAP	GOOD	"
71	16" ASH	GOOD	REMAIN
72	26"/22" ASH	GOOD	"
73	18" ASH	GOOD	"
74	16" ASH	GOOD	"
75	16" ASH	GOOD	"
76	28" ASH	GOOD	REMOVE
77	22" ASH	GOOD	REMAIN
78	16" ASH	GOOD	"
79	24" ASH	GOOD	"
80	24" BRCH	GOOD	"
81	18" MAP	GOOD	"
82	22" ASH	GOOD	"
83	26" ASH	GOOD	"
84	36" ASH	GOOD	"

KEY TO TREE IDENTIFICATION

SYMBOL	NAME
MAP	MAPLE
ASH	ASH
PINE	PINE
OAK	OAK
TUL	TULIP
ELM	ELM

EXISTING TREE HEALTH CHART

ID #	TREE	HEALTH	STATUS
85	16" MAP	GOOD	REMAIN
86	16" MAP	GOOD	"
87	28" MAP	GOOD	"
88	34" ASH	GOOD	"
89	24" ASH	GOOD	"
90	16" ASH	GOOD	REMOVE
91	36"/18" ASH	GOOD	"
92	14" ASH	GOOD	"
93	30" OAK	GOOD	"
94	22" OAK	GOOD	REMOVE
95	22" ASH	GOOD	"
96	22" ASH	GOOD	"
97	24" OAK	POOR	"
98	14" ASH	DEAD	"
99	20"/14" ASH	GOOD	"
100	22" OAK	GOOD	"
101	20" HKY	GOOD	"
102	24" ASH	GOOD	"
103	36" OAK	GOOD	"
104	30" OAK	GOOD	REMAIN
105	30" OAK	GOOD	"
106	22" ASH	POOR	"
107	34" ASH	POOR	"
108	18" ASH	GOOD	REMOVE
109	22" OAK	GOOD	REMAIN
110	34" OAK	GOOD	"
111	36" OAK	GOOD	"
112	36" MAP	GOOD	"
113	22" ASH	GOOD	"
114	18" OAK	GOOD	"
115	20" OAK	GOOD	"
116	32" OAK	GOOD	REMOVE
117	14" BIRCH	GOOD	REMAIN
118	20" ASH	GOOD	"
119	22" OAK	GOOD	"
120	16"/20" BIRCH	GOOD	"
121	14" BIRCH	GOOD	"
122	20" OAK	GOOD	REMAIN
123	22" OAK	GOOD	"
124	12" MAP	GOOD	REMOVE
125	16"/16" BIRCH	GOOD	"
126	22" BIRCH	POOR	REMAIN
127	14" OAK	GOOD	"
128	14" ASH	GOOD	"
129	18" ASH	GOOD	"
130	18" ASH	GOOD	REMOVE
131	20" ASH	GOOD	"
132	24" MAP	GOOD	"
133	22" ASH	GOOD	REMAIN
134	22" ASH	GOOD	"
135	28" ASH	GOOD	REMOVE
136	26" HKY	GOOD	"
137	18" ASH	GOOD	"
138	38" TUL	GOOD	"
139	20" ASH	GOOD	"
140	22" MAP	GOOD	"
141	22" MAP	GOOD	REMOVE
142	38" TUL	GOOD	REMAIN
143	16" ASH	DEAD	REMOVE
144	18" MAP	GOOD	"
145	20" BRCH	GOOD	"
146	24" ASH	GOOD	REMAIN
147	20" MAP	GOOD	"
148	14" ASH	GOOD	REMOVE
149	18" ASH	GOOD	"
150	30" TUL	GOOD	REMAIN
151	22"/18" ASH	GOOD	"
152	36"/36"MAP	GOOD	"
153	18" MAP	GOOD	"
154	22" ASH	GOOD	REMAIN
155	16" ASH	GOOD	REMOVE
156	32" OAK	GOOD	REMAIN
157	26" OAK	GOOD	REMOVE
158	22" TUL	DEAD	"
159	20" TUL	GOOD	"
160	24" TUL	GOOD	"
161	16" TUL	GOOD	"
162	14" ASH	GOOD	"
163	32" OAK	GOOD	"
164	36" ASH	GOOD	REMAIN
165	24" HKY	GOOD	"
166	24" HKY	GOOD	"
167	28" OAK	GOOD	REMOVE
168	20" ELM	GOOD	"
169	36" ASH	GOOD	REMOVE
170	18" ASH	GOOD	"
171	18" HKY	GOOD	"
172	18" HKY	GOOD	REMOVE
173	22" ASH	GOOD	REMOVE
174	19" ASH	GOOD	"
175	18" MAP	GOOD	REMAIN

EXISTING TREE HEALTH CHART

ID #	TREE	HEALTH	STATUS
176	26" OAK	GOOD	REMOVE
177	16" MAP	GOOD	"
178	24"/22" ASH	GOOD	REMAIN
179	22" ASH	GOOD	REMOVE
180	16" HKY	GOOD	"
181	16" MAP	GOOD	"
182	16" MAP	GOOD	REMAIN
183	18" MAP	GOOD	"
184	18" ASH	GOOD	REMOVE
185	22" MAP	GOOD	"
186	18" ASH	GOOD	"
187	24" ASH	GOOD	REMAIN
188	24" MAP	GOOD	"
189	22"/14" BRCH	DEAD	"
190	18" MAP	GOOD	REMOVE
191	18" MAP	GOOD	"
192	18" ASH	GOOD	"
193	16"/12" MAP	GOOD	"
194	20"/12" MAP	GOOD	"
195	20" MAP	GOOD	"
196	20" MAP	GOOD	"
197	18"/20" MAP	GOOD	REMAIN
198	14" BRCH	POOR	REMOVE
199	28" MAP	GOOD	REMAIN
200	14" MAP	GOOD	"
201	16" ASH	GOOD	"
202	20" ASH	GOOD	'
203	22" ASH	GOOD	"
204	26" TUL	GOOD	"
205	22" ASH	GOOD	"
206	14" ASH	GOOD	"
207	16" ASH	GOOD	"
208	20" MAP	GOOD	"
209	12"/18" MAP	GOOD	"
210	26" ELM	GOOD	"
211	30" TUL	GOOD	"
212	20"/16" TUL	GOOD	"
213	30" TUL	GOOD	"
214	24" ASH	GOOD	"
215	36" TUL	GOOD	"
216	36"/36" TUL	GOOD	"
217	18" BRCH	GOOD	"
218	24" TUL	GOOD	"
219	24" TUL	GOOD	"
220	18" BRCH	GOOD	"
221	24" ASH	GOOD	"
221a	12' BRCH	GOOD	"
222	14" BRCH	GOOD	"
223	28" OAK	GOOD	"
224	20"/18"/12" BRCH	DEAD	"
225	16" MAP	GOOD	"
226	20" MAP	GOOD	"
227	22" ASH	GOOD	"
228	20" ELM	GOOD	"
229	16" MAP	GOOD	"
230	8"/14" MAP	GOOD	"
231	24"/22"/20" OAK	GOOD	"
232	30" OAK	GOOD	"
233	24" OAK	GOOD	"
234	24" MAP	GOOD	"
235	12" HKY	GOOD	"
236	24" ASH	GOOD	"
237	38" TUL	GOOD	REMOVE
238	36" MAP	GOOD	"
239	24" MAP	GOOD	"
240	18" MAP	DEAD	"
241	48" TUL	GOOD	REMAIN
242	18" HKY	DEAD	REMOVE
243	42" TUL	GOOD	REMAIN
244	14" OAK	GOOD	REMOVE
245	16" MAP	GOOD	REMAIN
246	32" MAP	GOOD	REMOVE
247	22" OAK	GOOD	"
248	26" OAK	POOR	"
249	30" HKY	GOOD	"
250	22" TUL	GOOD	"
251	26" TUL	GOOD	"
252	26" TUL	GOOD	"
253	22" TUL	GOOD	"
254	28"/24" TUL	GOOD	"
255	28" TUL	GOOD	"
256	28" TUL	GOOD	"
257	20" TUL	GOOD	REMAIN
258	26" TUL	GOOD	"
259	32" TUL	GOOD	"
260	22" TUL	GOOD	REMOVE
261	12" TUL	GOOD	"
262	14" TUL	GOOD	"
263	22" MAP	GOOD	REMAIN
264	24" TUL	GOOD	REMOVE
265	22" TUL	GOOD	"
266	36" TUL	GOOD	"
267	MAP GROUP	POOR	"
268	16" MAP	GOOD	"
269	20" BRCH	GOOD	REMAIN

EXISTING TREE HEALTH CHART

ID #	TREE	HEALTH	STATUS
270	16"/20" MAP	GOOD	REMOVE
271	26" MAP	GOOD	"
272	18" MAP	GOOD	"
273	16"/14" MAP	POOR	"
274	14" TUL	GOOD	"
275	24" MAP	GOOD	"
276	18" MAP	GOOD	"
277	16"/14" MAP	GOOD	"
278	20" TUL	GOOD	"
279	24" TUL	GOOD	"
280	34" OAK	GOOD	"
281	12" TUL	GOOD	"
282	12" TUL	GOOD	"
283	22" MAP	GOOD	"
284	12"/14" MAP	GOOD	"
285	12"TUL	GOOD	"
286	28" OAK	GOOD	REMAIN
287	26" MAP	GOOD	"
288	14" MAP	GOOD	"
289	30" OAK	GOOD	"
290	26" OAK	GOOD	"
291	30" OAK	GOOD	"
292	24" BRCH	GOOD	"
293	28" OAK	GOOD	"
294	16" MAP	GOOD	"
295	22" ASH	POOR	"
296	34" OAK	POOR	"
297	32" OAK	GOOD	"
298	14" MAP	GOOD	REMOVE
299	26" OAK	GOOD	REMAIN
300	60" MAP	GOOD	REMOVE
301	12" MAP	GOOD	REMAIN
302	14" MAP	GOOD	"
303	22" MAP	GOOD	"
304	26" ASH	GOOD	"
305	18" ASH	GOOD	"
306	32"/36" TUL	GOOD	"
307	22" MAP	GOOD	"
308	54" ASH	DEAD	"
309	18" MAP	GOOD	"
310	22" MAP	GOOD	"
311	20" MAP	GOOD	"
312	24"/24"/18" MAP	GOOD	"
313	52" TUL	GOOD	"
314	18"/22" MAP	GOOD	"
315	18" MAP	GOOD	"
316	14" MAP	GOOD	"
317	36" TUL	GOOD	"
318	30" TUL	GOOD	"
319	12" MAP	GOOD	"
320	24" MAP	GOOD	"
321	18"/38" TUL	GOOD	"

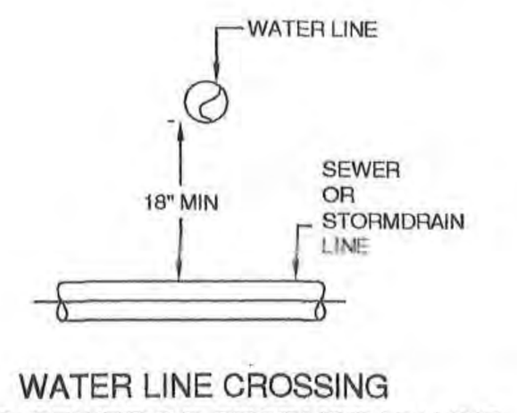
EXISTING TREE HEALTH CHART

ID #	TREE	HEALTH	STATUS
321a	24" ASH	GOOD	REMAIN
322	14" MAP	GOOD	"
323	48"/42" TUL	GOOD	"
324	14" ASH	GOOD	"
325	18" MAP	GOOD	"
326	18" MAP	GOOD	"
327	8" ASH	GOOD	"
328	16" ASH	GOOD	"
329	32" ASH	GOOD	"
330	18"/20" MAP	GOOD	"
331	16" MAP	GOOD	"
332	14" MAP	GOOD	"
333	24" MAP	GOOD	"
334	14" OAK	GOOD	"
335	16" HKY	GOOD	"
336	24" TUL	GOOD	"
337	24" ASH	GOOD	"
338	24" MAP	GOOD	"
339	32" ASH	GOOD	"
340	16"/12"/18" MAP	GOOD	"
341	26"/24" ASH	DEAD	"
342	34" ASH	GOOD	"
343	16" ASH	GOOD	"
344	12" ASH	GOOD	'
345	8" MAP	GOOD	"
346	30" TUL	GOOD	"
347	30" PINE	GOOD	"
348	28" PINE	GOOD	"
349	10" MAP	GOOD	"
350	24" PINE	GOOD	"
351	24" PINE	GOOD	"
352	16" PINE	GOOD	"
353	18" TUL	GOOD	"
354	24" TUL	GOOD	"
355	22" TUL	GOOD	"
356	28" TUL	GOOD	"
357	30" TUL	GOOD	"
358	18"/14" TUL	GOOD	"
359	30" TUL	GOOD	"
360	48" MAP	GOOD	"
361	24" TUL	GOOD	"
362	48" MAP	GOOD	"
363	48" MAP	GOOD	"
364	32" MAP	GOOD	"
365	16" MAP	GOOD	"
366	22" MAP	GOOD	"
367	30" ASH	GOOD	"
368	30" PINE	GOOD	"
369	18" OAK	GOOD	REMOVE

LOT IMPROVEMENT SCHEDULE

LOT #	LOT AREA (AC.)	TEST PIT DESCRIPTIONS	SDS AREA (S.F.)	% SLOPE AREA	PERC RATE (MIN./IN.)	DEPTH TO WATER	DEPTH TO IMPERV	LINEAL FEET OF FIELDS		R.O.B. FILL		CURTAIN DRAIN		REMARKS
								4 BDRM	ADD'L BDRM	DEPTH	VOLUME	DEPTH	LINEAL FEET	
1	1.055	-	-	-	-	-	-	(EXISTING 2 BEDROOM RESIDENCE, SEE WCDH FILE NO. 80NC-33)						
2	1.138	0"-6" Topsoil, 6"-36" Sandy Loam, 36-84" Compacted Sand & Gravel w/ Trace of Silt	7,100	4.3%	8-10	-	-	448	N/A	-	-	-	-	0'-1' R.O.B. FILL FOR GRADING PURPOSES (18" MAX. TRENCH DEPTH)
3	1.586	0"-6" Topsoil, 6"-36" Sandy Loam, 36-84" Mod. Compacted Sand & Gravel	7,400	7.5%	3-5	-	-	336	84	-	-	-	-	0'-2' R.O.B. FILL FOR GRADING PURPOSES
4	2.295	0"-6" Topsoil, 6"-36" Sandy Loam, 36-84" Mod. Compacted Sand & Gravel w/ Some Silt	6,800	9.0%	3-5	-	-	336	84	-	-	-	-	-

NOTE: THERE ARE NO EXISTING OFF SITE ONSITE WASTEWATER TREATMENT SYSTEMS (OWTS) OR WELLS WITHIN RESTRICTIVE DISTANCES TO THE PROPOSED OWTS AND WELLS.



WATER LINE CROSSING
OVER SEWER OR STORMDRAIN LINE

WATER LINE / DRAINAGE LINE CROSSING

NTS

NOTE:
WHERE 18" CLEARANCE CANNOT BE ACHIEVED THE PROJECT ENGINEER SHALL SUBMIT, FOR PRIOR APPROVAL A DETAIL FOR A COMPENSATING METHOD OF CROSSING TO THE WESTCHESTER COUNTY HEALTH DEPARTMENT.

NOTES:

1. THE POOLS INDICATED ON THE PLANS ARE NOT APPROVED BY THE PLANNING BOARD AND THEIR CONSTRUCTION WILL BE SUBJECT TO ALL NECESSARY PERMITS.

2. METES & BOUNDS, AND ADDITIONAL TAX LOT INFO CAN BE FOUND ON THE SUBDIVISION PLAT PREPARED BY THE PROJECT SURVEYOR.

3. NO POOL BACKWASH SHALL DISCHARGE TO THE ONSITE WASTEWATER TREATMENT SYSTEM.

4. ALL PROPOSED AND RECONSTRUCTED DRIVEWAYS SHALL HAVE A MAXIMUM CURB CUT WIDTH OF 18 FEET AS INDICATED ON THE PLANS.

DRIVEWAY DEMOLITION SEQUENCE LOT # 1

1. BEGIN REMOVING EXISTING DRIVEWAY TO ENSURE HEAVY EQUIPMENT DOES NOT TRAVERSE OVER THE EXISTING EXPANSION SEPTIC AREA.
2. CAREFULLY REMOVE EXISTING ASPHALT.
3. SCARIFY GROUND SURFACE.
4. INSTALL CLEAN ROB FILL TO MATCH SURROUNDING GRADE. TOPSOIL & SEED DISTURBED AREA.

SHORT TERM/CONSTRUCTION MAINTENANCE PROGRAM

1. REFERENCE IS HEREBY MADE TO SHEET 3 OF 5 FOR: EROSION CONTROL PROGRAM NOTES AND DETAILS.

2. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS BY A QUALIFIED INSPECTOR IN ACCORDANCE WITH THE NYSDEC GENERAL PERMIT, GP-0-15-002, FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITY . THE FOLLOWING CHECKLIST SHALL BE USED AS A GUIDELINE FOR SHORT TERM INSPECTIONS AND MAINTENANCE:

A. DURING CONSTRUCTION, THE SILT FENCE SHOULD BE INSPECTED TO ENSURE CORRECT INSTALLATION. IN ADDITION, ANY ACCUMULATED SEDIMENT RESULTING IN "BULGES" IN THE SILT FENCE SHOULD BE REMOVED AND MIXED WITH ONSITE SOIL. ANY DAMAGED OR TORN SILT FENCE SHOULD BE REPLACED.

B. THE CONSTRUCTION ENTRANCE SHOULD BE CHECKED TO ENSURE NO SEDIMENT IS BEING DEPOSITED ONTO THE PUBLIC ROADWAY. SHOULD SEDIMENT BE OBSERVED, IT SHOULD BE REMOVED FROM THE STREET AND THE STONE IN THE CONSTRUCTION ENTRANCE REPLACED.

C. ALL TEMPORARY SEDIMENT TRAPS, WATER BREAKS, DRAINAGE STRUCTURES, AND DETENTION BASIN SHALL BE INSPECTED WEEKLY AND AFTER HEAVY RAINS. EXCESS SEDIMENTATION SHOULD BE REMOVED TO STOCKPILE AREAS. DETENTION BASIN SHALL BE CLEANED TO ORIGINAL DEPTH WHEN SEDIMENT HAS ACCUMULATED UP TO WITHIN 6" OF THE LOW LEVEL OUTLET IN ORDER TO INSURE PROPER HYDRAULIC FUNCTIONING. ALL OTHER DRAINAGE STRUCTURES SHALL BE CLEANED WHEN FILLED TO 1/2 OF THE INTENDED CAPACITY.

D. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY FOR DWELLINGS TAKING ACCESS FROM THE COMMON DRIVEWAY, ALL DRAINAGE STRUCTURES AND FACILITIES SHALL BE BROUGHT TO THEIR PROPER FUNCTION AND CLEANED TO THE LINE AND GRADES SHOWN ON THESE DRAWINGS FOR THE COMMON DRIVEWAY.

LONG TERM DRAINAGE MAINTENANCE

A HOMEOWNERS ASSOCIATION SHALL BE CREATED TO MAINTAIN INFILTRATION SYSTEM #3 AND THE STORMWATER BASIN IN GOOD WORKING CONDITION AND IN ACCORDANCE WITH THE LONG TERM MAINTENANCE & INSPECTION REQUIREMENTS OUTLINED IN THE APPROVED STORMWATER POLLUTION PREVENTION PLAN .

1. IT IS RECOMMENDED THAT ALL ASPECTS OF THE DRAINAGE SYSTEMS BE INSPECTED AND MAINTAINED EVERY SIX MONTHS AND AFTER SIGNIFICANT RAINFALL EVENTS. INSPECTIONS AND MAINTENANCE SHOULD BE SCHEDULED FOLLOWING THE WINTER MONTHS (MARCH OR APRIL) AND DURING THE FALL (OCTOBER OR NOVEMBER).

2. THE INSPECTION AND MAINTENANCE OF THE FACILITIES SHOULD INCLUDE THE FOLLOWING:

INFILTRATORS:
- INSPECTION OF THE INFILTRATOR UNITS TO ENSURE ACCUMULATED WATER IS INFILTRATING INTO THE SOIL, AND DEBRIS HAS NOT ENTERED THE INFILTRATION UNITS. ANY DEBRIS SHOULD BE REMOVED. ONCE DEBRIS IS REMOVED, IF STORMWATER IS STILL NOT INFILTRATING CONTACT A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK TO EXAMINE THE SYSTEM.
- INSPECT ROCK OUTLET PROTECTION PAD (IF APPLICABLE). REPLACE ANY ROCKS THAT HAVE BEEN DISPLACED BY SCOUR.
- INSPECTION OF THE OUTLET OF THE OVERFLOW PIPE TO ENSURE IT IS NOT PLUGGED OR CLOGGED.

STORMWATER BASIN:
- INSPECT BASIN FOR BUILD UP OF TRASH OR DEBRIS. REMOVE ANY TRASH TO PREVENT CLOGGING OF OUTLET STRUCTURE.
- INSPECTION OF BASIN FOR ACCUMULATION OF SEDIMENT. ACCUMULATED SEDIMENT SHOULD BE REMOVED IMMEDIATELY.
- INSPECTION OF THE OUTLET OF THE OUTFLOW PIPE TO ENSURE IT IS NOT PLUGGED OR CLOGGED.
- STORMWATER BASIN PLANTINGS SHALL BE INSPECTED ON A YEARLY BASIS (DURING THE SPRING GROWING SEASON) IN THE PRESENCE OF THE TOWN ENGINEER. THE PLANT HEALTH AND MORTALITY RATE SHALL BE CLOSELY MONITORED AND PLANTING SHOULD BE REPLACED AND/OR SUPPLEMENTED AS NECESSARY.

CATCH BASINS AND DRAINAGE MANHOLES:
- INSPECT MONTHLY AND AFTER HEAVY RAIN STORMS > ½" IN 24 HOURS FOR SEDIMENT ACCUMULATION IN SUMP. ACCUMULATED SEDIMENT SHOULD BE REMOVED IMMEDIATELY.

CONTECH CDS HYDRODYNAMIC SEPARATOR:
- INSPECTION OF THE TREATMENT UNITY FOR SEDIMENT ACCUMULATION. ANY DEBRIS AND SEDIMENT SHOULD BE REMOVED IMMEDIATELY.
- REFER TO APPENDIX "F" OF THE APPROVED SWPPP FOR ADDITIONAL INSPECTION AND MAINTENANCE INFORMATION.

3. ANY APPRECIABLE SEDIMENT WHICH ADVERSELY AFFECTS THE FUNCTION OF A GIVEN STRUCTURE SHOULD BE REMOVED TO AN APPROVED DISPOSAL AREA FOR POSSIBLE RECLAMATION. SAID INSPECTIONS AND PROPOSED MAINTENANCE WORK SHOULD BE MADE IN THE PRESENCE AND IN CONSULTATION WITH A PROFESSIONAL ENGINEER. ANY NOTED AREAS OF CHRONIC SEDIMENTATION OR EROSION SHALL BE BROUGHT TO THE ATTENTION OF THE TOWN ENGINEER AND DESIGN ENGINEER FOR A LONG TERM DESIGN SOLUTION.

PLAN

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

LEGEND:

- EXISTING 2' CONTOUR
- 420 EXISTING 10' CONTOUR
- EXISTING STONE WALL
- PROP. RESIDENCE W/ DRIVEWAY
- 64' PROPOSED ABSORPTION TRENCH
- 64' PROPOSED EXPANSION TRENCH
- PROPOSED WELL
- PERCOLATION TEST
- DEEP TEST
- WETLAND BOUNDARY
- 100' WETLAND SETBACK
- PROPOSED LOT LINE
- PROPOSED EASEMENT LINE
- 30" Maple EXISTING TREE
- 30" Maple EXISTING TREE TO BE REMOVED

DEVELOPMENT PLAN LEGEND

- 136 PROPOSED 2' CONTOUR
- 130 PROPOSED 10' CONTOUR
- PROPOSED CATCH BASIN
- PROPOSED FOOTING DRAIN
- PROPOSED STORM DRAIN PIPING
- PROPOSED LEVEL SPREADER
- PROPOSED CLEARING & GRADING LIMITS

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE	RIM EL	INVERTS
CB #1	142.0	139.5
CB #2	142.0	139.0
OS#1	139.0	136.5
CB #3	130.3	126.5
CB #4	130.3	123.0
CB #5	130.5	126.0
CB #6	126.5	123.5
DMH #1	127.0	INV IN=120.0 INV OUT=120.0
DMH #2	100.0	INV IN=97.0 INV OUT 6"=94.5 INV OUT 24"=97.0
DMH #3	130.5	INV IN=125.0 INV OUT=125.0
CDS-2025	126.5	INV IN=119.5 INV OUT=119.5

NOTES ON SITE DEVELOPMENT:

1. FOR EROSION AND SEDIMENTATION CONTROL PROGRAM REFER TO DRAWING #3
2. FOR PROFILES AND RELATED DETAILS REFER TO DRAWING #4
3. FOR DETAILED PLANS OF STORMWATER TREATMENT FACILITIES REFER TO DRAWING #5
4. WHERE CONSTRUCTION IS PROPOSED NEAR OR WITHIN 100' OF TOWN REGULATED WETLAND AREAS, A WETLAND PERMIT FROM THE TOWN OF NORTH CASTLE MUST BE OBTAINED PRIOR TO UNDERTAKING SUCH ACTIVITIES. THIS INCLUDES ANY TEMPORARY INCURSIONS INTO THE BUFFER IN ORDER TO COMPLETE DEVELOPMENT AS SHOWN. ALL AREAS WITHIN WETLAND BUFFER AREAS THAT HAVE BEEN DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPLANTED / RESTORED TO A NATURALIZED BUFFER.
5. EACH BUILDING SITE WILL BE PROVIDED WITH UNDERGROUND UTILITIES.
6. ALL ASPECTS OF THE ROADWAY AND DRAINAGE SYSTEM SHALL BE FULLY BONDED TO ENSURE PROPER COMPLIANCE WITH THE APPROVED PLANS.

APPROVED BY TOWN OF NORTH CASTLE PLANNING BOARD RESOLUTON DATED : MAY 8, 2017

[signature] DATE 01/24/2020
CHRISTOPHER CARTHY, CHAIRMAN
TOWN OF NORTH CASTLE PLANNING BOARD

PLANS REVIEWED FOR CONFORMANCE TO PLANNING BOARD RESOLUTION:

[signature] DATE 09/13/19
JOSEPH M. CERMELE, P.E.
KELLARD SESSIONS CONSULTING
CONSULTING TOWN ENGINEERS

REVISIONS:					
2-9-09	TOWN COMMENTS	NG	12-2-16	TOWN COMMENTS	NG/NT
10-5-09	TOWN COMMENTS	NG	1-18-17	TOWN ENGINEER COMMENTS	NG/TA
12-17-09	TOWN COMMENTS	NG	3-28-18	FINAL SUBDIVISION REVIEW	NG/TA
1-11-10	TOWN COMMENTS	NG	10-9-18	FINAL SUBDIVISION REVIEW	NG/TA
2-4-10	TOWN COMMENTS	NG	4-5-19	UPDATED SIGNATURE BLOCK	NG/TA
8-30-16	FINAL SUBDIVISION APPLICATION	NG/TA	DATE:	DESCRIPTION	BY/CK

STATE OF NEW YORK · TIMOTHY S. ALLEN · 073437 · LICENSED PROFESSIONAL ENGINEER

TIMOTHY S. ALLEN, P.E.

CONSTRUCTION & INTEGRATED PLOT PLAN

LEE A. TURET
8 EAST LANE
TOWN OF NORTH CASTLE , WESTCHESTER COUNTY, NY

BIBBO ASSOCIATES, LLP
293 ROUTE 100 SUITE 203
SOMERS, NEW YORK 10589
TEL. 914 277 5805

DATE:	3-3-08
SCALE:	1" = 40'
FILE:	15 D
DSGN / CHK:	TSA
DRN. BY:	NT
SHT NO.	2 OF 8
DWG NO.	IPP-1

EROSION CONTROL PROGRAM

PURPOSE:

ALL CONSTRUCTION ACTIVITIES INVOLVING THE REMOVAL OR DEPOSITION OF SOILS ARE TO BE PROVIDED WITH APPROPRIATE PROTECTIVE MEASURES TO INHIBIT EROSION AND TO CONTAIN SEDIMENT DEPOSITION WITHIN THE AREA UNDER DEVELOPMENT. THOSE METHODS DEEMED HIGHLY EFFECTIVE ARE DESCRIBED BELOW AND SHOWN ON THIS DRAWING.

REQUIRED PROCEDURES

1. PRIOR TO START OF SITE CONSTRUCTION: ALL CONSTRUCTION ENTRANCES TO SITE SHALL BE INSTALLED AND STABILIZED. ALL TEMPORARY SILTATION BASINS AND/OR OTHER APPROVED SEDIMENT CONTROL MEASURES SHALL BE IN PLACE WHERE MOST EFFECTIVE.

2. ALL TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL REMAIN IN PLACE, MAINTAINED REGULARLY IN PROPER FUNCTIONING CONDITION, UNTIL ALL AREAS EXPOSED DURING SITE CONSTRUCTION HAVE BEEN SUITABLY STABILIZED WITH PAVEMENT, PERMANENT STRUCTURES AND/OR FINAL VEGETATION COVER.

CONSTRUCTION GUIDELINES

A. WHEREVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED (BY FLAGGING OR OTHER EFFECTIVE MEANS).

B ONLY THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME DURING CONSTRUCTION.

C SITE CONSTRUCTION ACTIVITIES SHALL START WHENEVER POSSIBLE AT THE NEAREST POINT UPSTREAM OF THESE SILT TRAPS AND PROCEED TO ACTIVITIES FURTHER UPSTREAM.

D. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE PERIOD OF EXPOSURE SHALL BE KEPT TO A MINIMUM. INSTALLING PERMANENT AND FINAL VEGETATION, PAVING, STRUCTURES, ETC., AT THE EARLIEST POSSIBLE OPPORTUNITY.

E. CONSTRUCTION EQUIPMENT SHALL NOT UNNECESSARILY CROSS LIVE STREAMS EXCEPT BY MEANS OF BRIDGES, CULVERTS OR OTHER APPROVED MEANS.

F. SEDIMENT CONTROL MEASURES INSTALLED IN LIVE STREAMS SHOULD GENERALLY BE MADE OF STONE AND MUST BE SPECIFICALLY DESIGNED, TAKING INTO ACCOUNT THE SIZE OF DRAINAGE BASIN ANTICIPATED STREAM FLOWS AND STREAM VELOCITIES.

G. NO CONSTRUCTION ACTIVITIES WITHIN OR NEAR LIVE STREAMS (CREATION OF PONDS, REALIGNMENT OF STREAM CHANNELS, INSTALLATION OF LARGE CULVERTS, ETC.) SHALL BEGIN UNTIL APPROPRIATE MEASURES FOR TEMPORARILY DIVERTING STREAM FLOW PAST THE WORK SECTION AND REQUIRED DOWNSTREAM SEDIMENT CONTROLS ARE IN PLACE. IN GENERAL THESE SEDIMENT CONTROLS ARE TO BE REMOVED ONLY WHEN ALL CONSTRUCTION ACTIVITY UPSTREAM HAS BEEN SATISFACTORILY COMPLETED AND THE STREAM FLOWS CLEAR.

H. NOTES ON SITE STABILIZATION

1. ALL TOPSOIL TO BE STRIPPED FROM THE AREA BEING DEVELOPED, SHALL BE STOCKPILED NOT LESS THAN 50 FEET FROM ANY BODY OF SURFACE WATER AND SHALL BE IMMEDIATELY SEEDED TO MANHATTAN RYE GRASS.

2. ON ALL EMBANKMENT FILL SLOPES, TOPSOIL SHALL BE STRIPPED AT LEAST FIVE (5) FEET WIDER THAN REQUIRED FOR THE EMBANKMENT TOE OF SLOPE. A PROTECTIVE BERM OF TOPSOIL SHALL BE LEFT IN THIS AREA, RUNNING PARALLEL TO THE CONTOURS FOR THE PURPOSE OF RESTRICTING DRAINAGE RUNOFF. THE TOPSOIL BERM SHALL BE SEEDED AS REQUIRED FOR STOCKPILES.

3. IN ADDITION TO THE ABOVE, FURTHER EROSION AND SILTATION CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO SILT TRENCH SILT TRAPS, STAKED HAYBALES OR BRUSH CHECKDAMS, SHALL ALSO BE EMPLOYED WHERE NECESSARY FOR SUPPLEMENTARY EROSION CONTROL MEASURES.

NOTES ON EMBANKMENT STABILIZATION

ALL CUT SLOPES AND EMBANKMENTS FILLS ARE TO BE IMMEDIATELY LAID BACK AND STABILIZED AS FOLLOWS:

A. GRADED TO FINISHED SLOPES

B. SCARIFIED

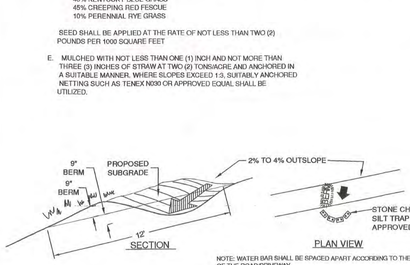
C. TOPSOILED WITH NOT LESS THAN FOUR (4) INCHES OF SVITABLE TOPSOIL MATERIAL

D. SEEDED WITH FOLLOWING GRASS MIXTURE (BY WEIGHT) OR APPROVED EQUAL:

45% KENTUCKY BLUE GRASS
45% CREEPING RED FESCUE
10% PERENNIAL RYE GRASS

SEED SHALL BE APPLIED AT THE RATE OF NOT LESS THAN TWO (2) POUNDS PER 1000 SQUARE FEET

E. MULCHED WITH NOT LESS THAN ONE (1) INCH AND NOT MORE THAN THREE (3) INCHES OF STRAW AT TWO (2) TONS/ACRE AND ANCHORED IN A SUITABLE MANNER. WHERE SLOPES EXCEED 1:3, SUITABLY ANCHORED NETTING SUCH AS TENEX N030 OR APPROVED EQUAL SHALL BE UTILIZED.



NOTE: WATER BAR SHALL BE SPACED APART ACCORDING TO THE GRADIENT OF THE ROAD/DRIVEWAY

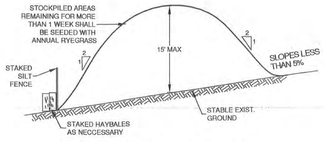
GRADE (%)	< 5%	5-10%
SPACING (FT.)	125±	100

BARS SHOULD BE INSTALLED AT ABOUT A 30 DEGREE ANGLE DOWN SLOPE. THE OUTFLOW END OF THE WATER BAR SHOULD BE OPEN TO KEEP WATER FROM ACCUMULATING AND BE PROTECTED BY A BUFFER OR FILTER ZONE TO CLEAN THE SEDIMENT OUT OF THE WATER AND PREVENT EROSION.

IN GENERAL, ALL WATER BARS SHALL EXTEND BEYOND CUT/FILL AREAS ONTO UNDISTURBED GROUND

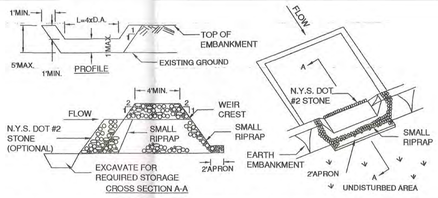
WATER BREAKS DETAIL FOR TEMPORARY DRAINAGE DIVERSION

N.T.S.



TYPICAL SOIL STOCKPILE DETAIL

N. T. S.



OPTION: A ONE FOOT LAYER OF N.Y.S. DOT #2 STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP INPLACE OF THE EMBEDDED FILTER CLOTH.

NOTE: REQUIRED STORAGE SHALL BE 3,600 CU.FT. PER ACRE OF DRAINAGE AREA

STONE OUTLET SEDIMENT TRAP ST-IV

N.T.S.

CONSTRUCTION SPECIFICATIONS

1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.

2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.

3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.

4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1' THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.

5. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP.

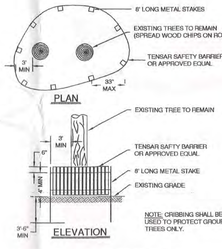
6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.

7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.

8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
MAXIMUM DRAINAGE AREA 5 ACRES

SEDIMENT TRAP SIZING

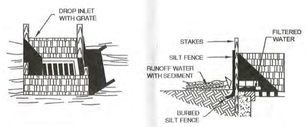
	SEDIMENT TRAP #1		SEDIMENT TRAP #2	
DRAINAGE AREA	1.70 Ac		1.46 Ac	
REQUIRED STORAGE VOLUME	6,120 cu.ft.		5,256 cu.ft.	
CUMULATIVE STORAGE PROVIDED (cu.ft.)	ELEV	STORAGE	ELEV	STORAGE
	122'	0	112'	0
	124'	1,125	114'	911
	126'	3,098	116'	2,599
	128'	6,148	118'	5,293
TOTAL STORAGE PROVIDED	6,148 cu.ft.		5,293 cu.ft.	
STONE OUTLET WIDTH	6'		6'	



CRIBBING- EXISTING TREE PROTECTION

N.T.S.

TREE PROTECTION SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY.



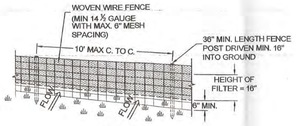
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 % WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 c.f.s.) ARE TYPICAL, WHERE SLOPES OF FLOWS ARE GREATER OR WHERE CONCENTRATED FLOWS ARE ANTICIPATED, USE HORIZONTAL BRACES ACROSS STAKES AND SURROUND SILT FENCE WITH CRUSHED STONE.

SILT FENCE DROP INLET SEDIMENT FILTER

N.T.S.

NOTE:
THE GRATE OPENING IN CB #s 8, 11, 23 AND 30 SHALL BE SECURELY COVERED WITH MIRAFI 140N FILTER FABRIC UNTIL PAVEMENT IS REPLACED OVER TRENCH LINE.

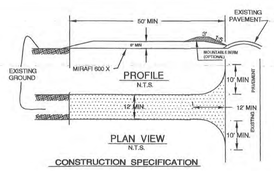


PERSPECTIVE VIEW

SECTION VIEW

CONSTRUCTION SPECIFICATIONS:
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL WITHER "T" OR "U" TYPE OR HARDWOOD
2. FILTER CLOTH TO 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.
3. 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
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE DETAIL



CONSTRUCTION SPECIFICATION

1 STONE SIZE- USE 2" ANGULAR STONE

2 LENGHT-NOT LESS THAN 50'

3 THICKNESS- NOT LESS THAN SIX (6) INCHES.

4 WIDTH- TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.

5 MIRAFI 600 X WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.

6 SURFACE WATER- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE, IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

7 MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

8 WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE & WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

9 PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

N.T.S.

GENERAL NOTES

1. SILT FENCE SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS SPECIFICALLY 5-FEET FROM THE TOE OF FILL SLOPES. THE FILTER FABRIC SHALL BE BURIED AT THE BASE. ALL SILT FENCING INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS.

2. TREE PROTECTION. SIGNIFICANT INDIVIDUAL TREES PROPOSED TO REMAIN SHALL BE PROTECTED TO THE DRIP LINE USING STAKED SILT FENCE TO THE EDGE OF THE DRIP LINE. GROUPS OF TREES TO REMAIN SHALL BE PROTECTED AS SHOWN IN THE CRIBBING DETAIL.

3. SITE GRADING SHALL BE UNDERTAKEN TO MINIMIZE DISTURBANCES LOCALLY UPGRADIENT OF ALREADY ESTABLISHED SEDIMENT TRAPS AND SILT FENCE. THE TOTAL AREA OF EXPOSED EARTH SHOULD NOT EXCEED 5 ACRES AT ANY GIVEN TIME. AREAS GRADED TO FINAL ROUGH GRADE SHALL BE PERMANENTLY/TEMPORARILY STABILIZED IMMEDIATELY UPON COMPLETION IN ACCORDANCE WITH THE GENERAL EROSION CONTROL PROGRAM.

4. DUST CONTROL. WHILE NOT EXPECTED TO BE A PROBLEM, IF EXCESSIVE DUST SHALL OCCUR, IT SHALL BE CONTROLLED BY SPRINKLING.

5. ALL UTILITIES (ELECTRIC, TELEPHONE, CABLE TV, ETC.) SHALL BE INSTALLED WITHIN ROADWAY R.O.W. PROVISION FOR ROADWAY CROSSINGS SHALL BE MADE PRIOR TO INSTALLATION OF ROADWAY PAVEMENT. IDEALLY, THIS ACTIVITY SHALL TAKE PLACE PRIOR TO FINAL SITE STABILIZATION SO THAT ANY DISTURBANCES WILL BE CONTROLLED BY MEANS OF THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THESE PLANS. PRIOR TO INSTALLATION, THE OWNER SHALL REVIEW THE EXISTING CONDITIONS AND SHALL PROVIDE SUCH ADDITIONAL EROSION CONTROL MEASURES AS DEEMED NECESSARY. (REFER TO EROSION CONTROL GUIDELINES FOR ASSISTANCE)

6. THE CULTEO INFILTRATION SYSTEM SHALL NOT BE BROUGHT ON LINE UNTIL ALL DISTURBED AREAS CONTRIBUTING TO THE INFILTRATION SYSTEM HAVE BEEN PERMANENTLY STABILIZED WITH TURFGRASS, PAVEMENT OR OTHER PERMANENT VEGETATION OR HARDSCAPE.

7. CONSTRUCTION ON INDIVIDUAL LOTS SHALL PROCEED IN ACCORDANCE WITH THE RECOMMENDED SEQUENCE . EROSION AND SEDIMENTATION CONTROLS SHALL BE IMPLEMENTED AS REQUIRED FOR EACH LOT.

CONSTRUCTION SEQUENCE INDIVIDUAL LOTS

1. INSTALL SILT FENCE FOR HOUSE & DRIVEWAY CONSTRUCTION. INSTALL SEDIMENT TRAPS ON LOTS 3 & 4.

2. PROVIDE ORANGE CONSTRUCTION FENCING AROUND FUTURE INFILTRATION AREA AND SEWAGE TREATMENT AREAS SO THAT THEY ARE CORDONED OFF AND PROTECTED FROM CONSTRUCTION TRAFFIC.

2. CLEAR & GRUB LOT, IF NECESSARY.

3. INSTALL STABILIZED CONSTRUCTION ENTRANCE AT DRIVEWAY ENTRANCE.

4. EXCAVATE DRIVEWAY TO SUBGRADE AND BEGIN HOUSE EXCAVATION.

5. INSTALL TEMPORARY CRUSHED STONE FILTER DAM AND DRILL WELL IN ACCORDANCE WITH APPROVED PLANS.

6. INSTALL SILT FENCE DOWNGRADIENT OF SEWAGE DISPOSAL AREAS, INSTALL SEWAGE DISPOSAL SYSTEM IN ACCORDANCE WITH APPROVED PLANS.

7. UPON SUBSTANTIAL COMPLETION OF THE HOUSE INSTALL ROOF AND DRIVEWAY DRAINS AND DISCHARGE TO EXISTING STORM DRAINAGE SYSTEM AS INDICATED ON PLAN. PROTECT ON-GRADE DISCHARGE WITH RIP RAP AT OUTLET.

7. FINISH DRIVEWAY, ESTABLISH FINAL GRADES, AND SEED AND MULCH ALL DISTURBED AREAS.

8. THE SITE CONTRACTOR FOR EACH LOT SHALL TAKE CARE TO IMPLEMENT SUCH EROSION CONTROL PRACTICES AS NECESSARY TO AVOID DEPOSITION OF SILT BEYOND EACH LOT BOUNDARY. IN ADDITION, THE CONTRACTOR SHALL INSURE THAT NO PERMANENT STORMWATER CONVEYANCE OR TREATMENT SYSTEMS (SWALES, CATCH BASINS, S.W.O.B.'S) ARE IMPACTED BY INDIVIDUAL LOT CONSTRUCTION.

9. MAINTAIN ALL EROSION CONTROLS IN PROPER WORKING ORDER THROUGH THE DURATION OF CONSTRUCTION. EROSION CONTROLS TO BE REMOVED AT THE DIRECTION OF THE TOWN ENGINEER OR BUILDING INSPECTOR.

GENERALIZED CONSTRUCTION SEQUENCE

CONSTRUCTION FENCING SHALL BE LOCATED AND INSTALLED ALONG THE CLEARING AND GRADING LIMIT LINES PRIOR THE START OF ANY CONSTRUCTION.

1. ROADS, STORM DRAINAGE COLLECTION AND TREATMENT FACILITIES SHALL BE STAKED OUT BY SURVEYORS.

2. APPROPRIATE EROSION AND SEDIMENTATION CONTROLS SHALL BE IN PLACE PRIOR TO ANY SITE DISTURBANCE .

3. INSTALL STABILIZED CONSTRUCTION ENTRANCE WHERE INDICATED ON PLAN.

4. CLEAR TREES FROM R.O.W. LIMITS, EXCAVATE TREE STUMPS AND REMOVE FROM SITE.

5. STRIP TOPSOIL AND STOCKPILE AREA OR AREAS AS TYPICALLY DESIGNATED.

6. CONSTRUCTION SHOULD PROCEED SO THAT DISTURBED AREAS SHALL NOT EXCEED 5 ACRES WITHOUT VEGETATING AND STABILIZING PREVIOUSLY DISTURBED AREAS.

7. EXCAVATE S.W.O.B. TO REQUIRED MINIMUM VOLUMES AS INDICATED ON PLAN. CONSTRUCT BASIN OUTLET STRUCTURES. PROVIDE TEMPORARY CRUSHED STONE FILTER DAMS AROUND OUTLETS TO CONTAIN SILT WITHIN BASIN. PLACE TOPSOIL ON BERMS AND EMBANKMENTS AND SPREAD SEED AND MULCH.

8. EXCAVATE AND PLACE COMPACTED FILL AS REQUIRED TO BRING ROAD TO SUBGRADE. DIRECT RUNOFF FROM SUBGRADE TO SEDIMENT TRAPS.

9. INSTALL DRAINAGE SYSTEM IN THE ROAD . INSTALL EROSION CONTROLS AT CATCH BASIN INLETS. IMMEDIATELY FINISH GRADE AND SPREAD SEED AND MULCH IN DRAINAGE EASEMENT.

10. FINE GRADE AND COMPACT ROAD SUBGRADE.

11. INSTALL R.O.B. SAND AND GRAVEL SUBBASE ON ROAD SUBGRADE AND COMPACT.

12. SET CATCH BASIN AND MANHOLE FRAMES TO FINISH GRADE.

13. INSTALL BASE COURSE OF ROAD PAVEMENT AND CURB.

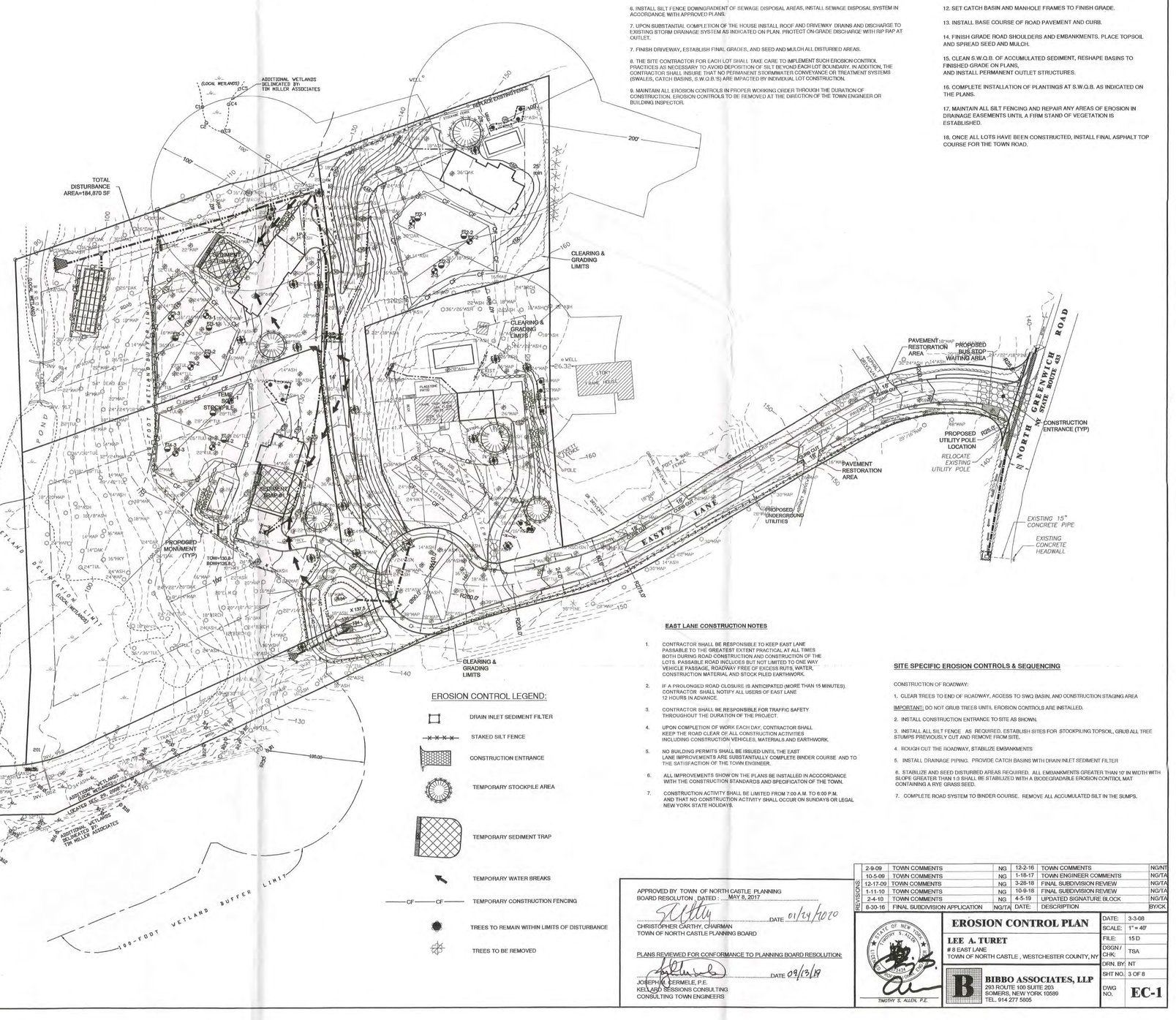
14. FINISH GRADE ROAD SHOULDERS AND EMBANKMENTS. PLACE TOPSOIL AND SPREAD SEED AND MULCH.

15. CLEAN S.W.O.B. OF ACCUMULATED SEDIMENT, RESHAPE BASINS TO FINISHED GRADE ON PLANS, AND INSTALL PERMANENT OUTLET STRUCTURES.

16. COMPLETE INSTALLATION OF PLANTINGS AT S.W.O.B. AS INDICATED ON THE PLANS.

17. MAINTAIN ALL SILT FENCING AND REPAIR ANY AREAS OF EROSION IN DRAINAGE EASEMENTS UNTIL A FIRM STAND OF VEGETATION IS ESTABLISHED.

18. ONCE ALL LOTS HAVE BEEN CONSTRUCTED, INSTALL FINAL ASPHALT TOP COURSE FOR THE TOWN ROAD.



EROSION CONTROL LEGEND:

- DRAIN INLET SEDIMENT FILTER
- STAKED SILT FENCE
- CONSTRUCTION ENTRANCE
- TEMPORARY STOCKPILE AREA
- TEMPORARY SEDIMENT TRAP
- TEMPORARY WATER BREAKS
- CF—CF— TEMPORARY CONSTRUCTION FENCING
- TREES TO REMAIN WITHIN LIMITS OF DISTURBANCE
- TREES TO BE REMOVED

EAST LANE CONSTRUCTION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE TO KEEP EAST LANE PASSABLE TO THE GREATEST EXTENT PRACTICAL AT ALL TIMES BOTH DURING ROAD CONSTRUCTION AND CONSTRUCTION OF THE LOTS. PASSABLE ROAD INCLUDES BUT NOT LIMITED TO ONE WAY VEHICLE PASSAGE, ROADWAY FREE OF EXCESS RUTS, WATER, CONSTRUCTION MATERIAL AND STOCK PILED EARTHWORK.
2. IF A PROLONGED ROAD CLOSURE IS ANTICIPATED (MORE THAN 15 MINUTES), CONTRACTOR SHALL NOTIFY ALL USERS OF EAST LANE 12 HOURS IN ADVANCE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC SAFETY THROUGHOUT THE DURATION OF THE PROJECT.
4. UPON COMPLETION OF WORK EACH DAY, CONTRACTOR SHALL KEEP THE ROAD CLEAR OF ALL CONSTRUCTION ACTIVITIES INCLUDING CONSTRUCTION VEHICLES, MATERIALS AND EARTHWORK.
5. NO BUILDING PERMITS SHALL BE ISSUED UNTIL THE EAST LANE IMPROVEMENTS ARE SUBSTANTIALLY COMPLETE BINDER COURSE AND TO THE SATISFACTION OF THE TOWN ENGINEER.
6. ALL IMPROVEMENTS SHOWN ON THE PLANS BE INSTALLED IN ACCOORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATION OF THE TOWN.
7. CONSTRUCTION ACTIVITY SHALL BE LIMITED FROM 7:00 A.M. TO 6:00 P.M. AND THAT NO CONSTRUCTION ACTIVITY SHALL OCCUR ON SUNDAYS OR LEGAL NEW YORK STATE HOLIDAYS.

SITE SPECIFIC EROSION CONTROLS & SEQUENCING

CONSTRUCTION OF ROADWAY:

1. CLEAR TREES TO END OF ROADWAY, ACCESS TO SWQ BASIN, AND CONSTRUCTION STAGING AREA

IMPORTANT: DO NOT GRUB TREES UNTIL EROSION CONTROLS ARE INSTALLED.

2. INSTALL CONSTRUCTION ENTRANCE TO SITE AS SHOWN.

3. INSTALL ALL SILT FENCE AS REQUIRED. ESTABLISH SITES FOR STOCKPILING TOPSOIL, GRUB ALL TREE STUMPS PREVIOUSLY CUT AND REMOVE FROM SITE.

4. ROUGH CUT THE ROADWAY, STABILIZE EMBANKMENTS

5. INSTALL DRAINAGE PIPING. PROVIDE CATCH BASINS WITH DRAIN INLET SEDIMENT FILTER

6. STABILIZE AND SEED DISTURBED AREAS REQUIRED. ALL EMBANKMENTS GREATER THAN 10' IN WIDTH WITH SLOPE GREATER THAN 1:3 SHALL BE STABILIZED WITH A BIODEGRADABLE EROSION CONTROL MAT CONTAINING A RYE GRASS SEED.

7. COMPLETE ROAD SYSTEM TO BINDER COURSE. REMOVE ALL ACCUMULATED SILT IN THE SUMPS.

APPROVED BY TOWN OF NORTH CASTLE PLANNING BOARD RESOLUTON , DATED : MAY 8, 2017

CHRISTOPHER CARTHY, CHAIRMAN
TOWN OF NORTH CASTLE PLANNING BOARD

DATE 01/24/2020

PLANS REVIEWED FOR CONFORMANCE TO PLANNING BOARD RESOLUTION:

JOSEPH M. CERMELE, P.E.
KELLARD SESSIONS CONSULTING
CONSULTING TOWN ENGINEERS

DATE 09/13/19

REVISIONS					
2-9-09	TOWN COMMENTS	NG	12-2-16	TOWN COMMENTS	NG/NT
10-5-09	TOWN COMMENTS	NG	1-18-17	TOWN ENGINEER COMMENTS	NG/TA
12-17-09	TOWN COMMENTS	NG	3-28-18	FINAL SUBDIVISION REVIEW	NG/TA
1-11-10	TOWN COMMENTS	NG	10-9-18	FINAL SUBDIVISION REVIEW	NG/TA
2-4-10	TOWN COMMENTS	NG	4-5-19	UPDATED SIGNATURE BLOCK	NG/TA
8-30-16	FINAL SUBDIVISION APPLICATION	NG/TA	DATE:	DESCRIPTION	BY/CK

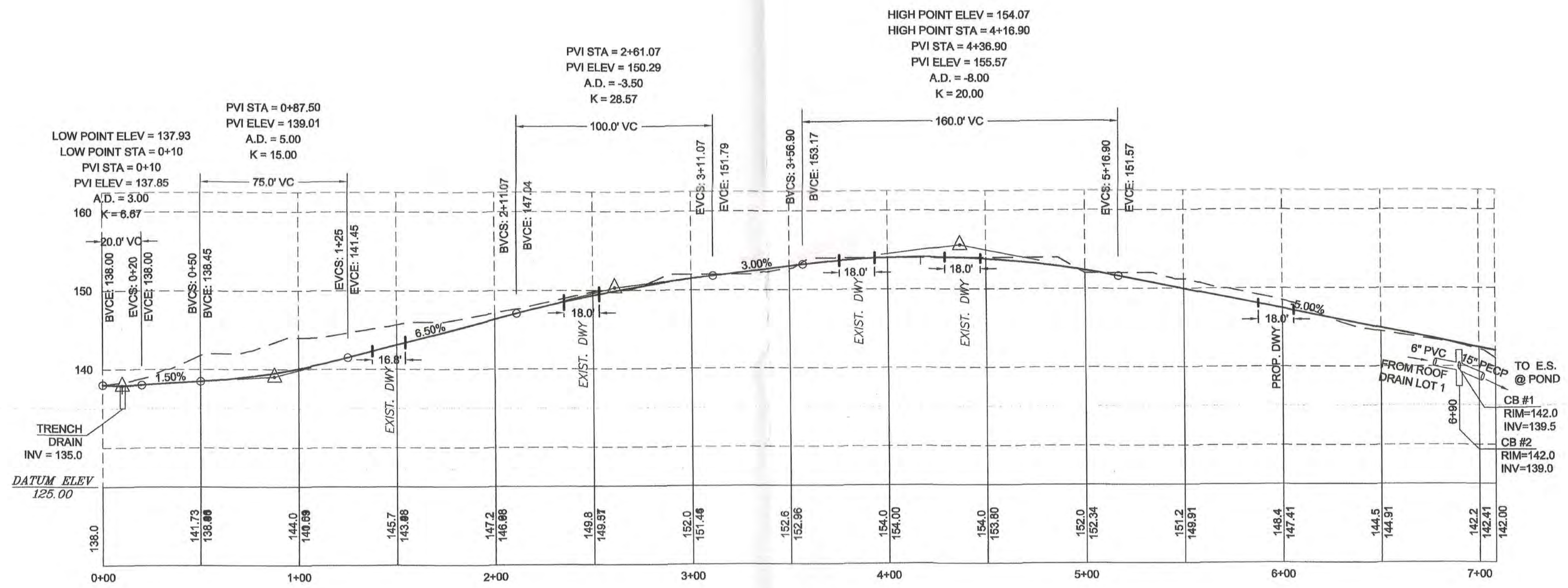
EROSION CONTROL PLAN

LEE A. TURET
8 EAST LANE
TOWN OF NORTH CASTLE , WESTCHESTER COUNTY, NY

DATE:	3-3-08
SCALE:	1" = 40'
FILE:	15 D
DSGN/ CHK	TSA
DRN. BY	NT
SHT NO.	3 OF 8
DWG NO.	EC-1

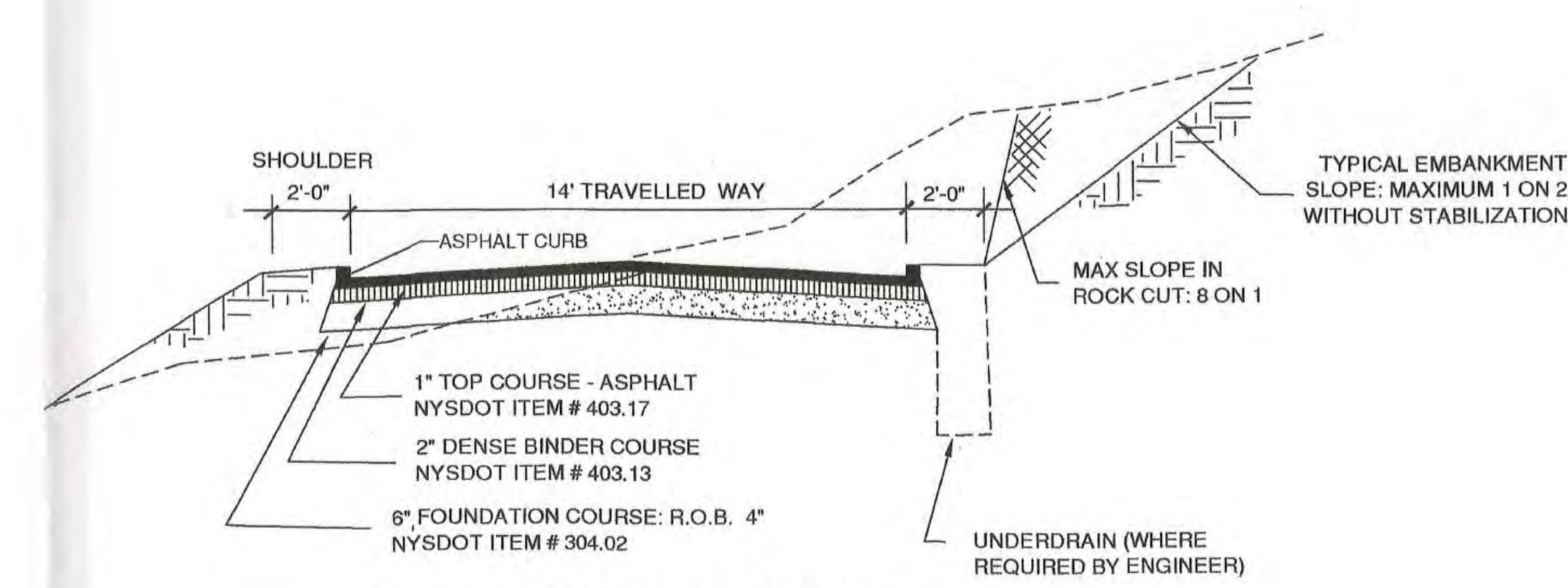
TIMOTHY S. ALLEN, P.E.

BIBBO ASSOCIATES, LLP
293 ROUTE 100 SUITE 203
SOMERS, NEW YORK 10589
TEL. 914 277 5805

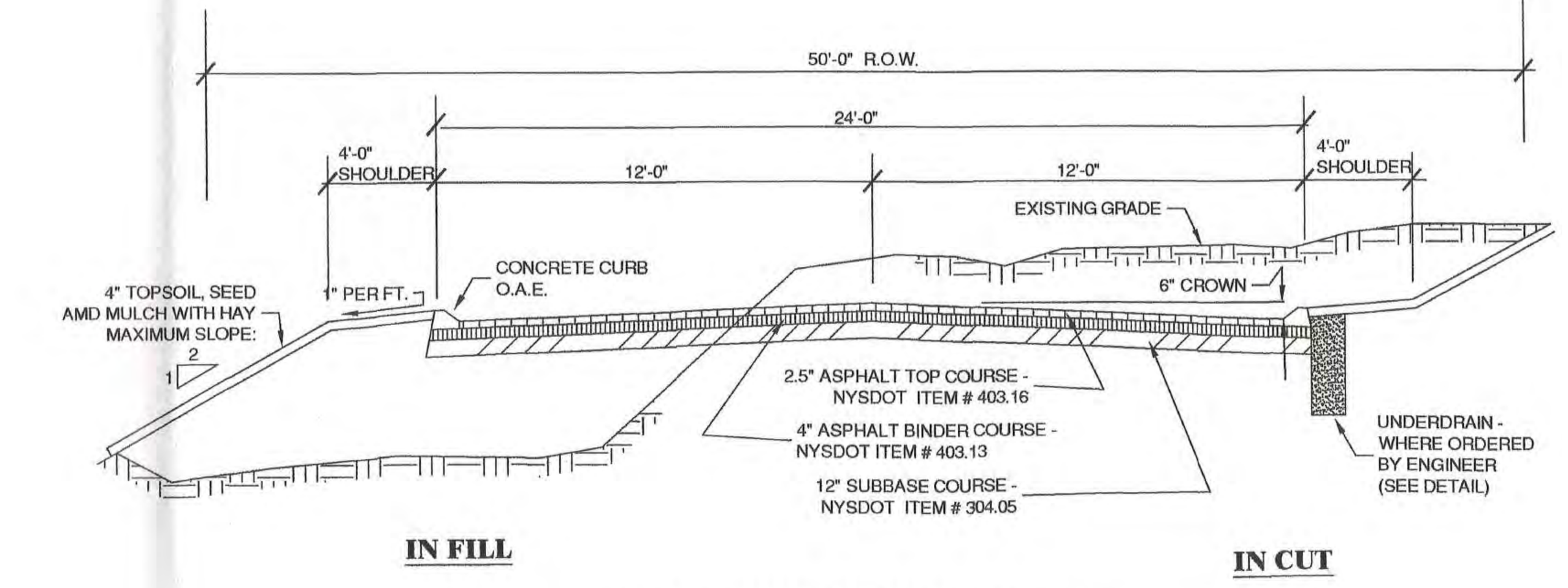


EAST LANE PROFILE

SCALE H 1"= 40' V 1"= 10'



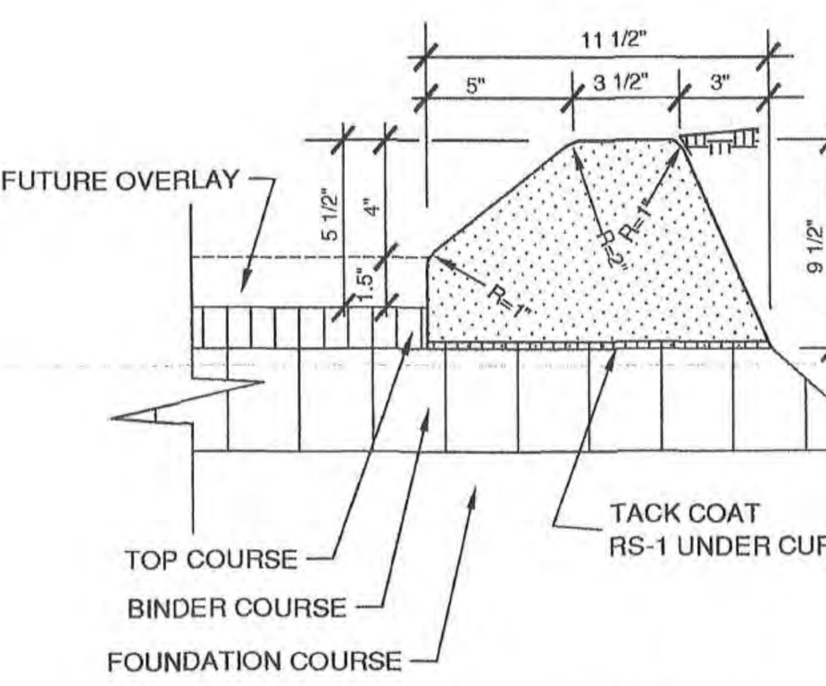
TYPICAL COMMON DRIVEWAY
TWO HOUSES N.T.S.



TOWN ROAD PAVEMENT SECTION
N.T.S.

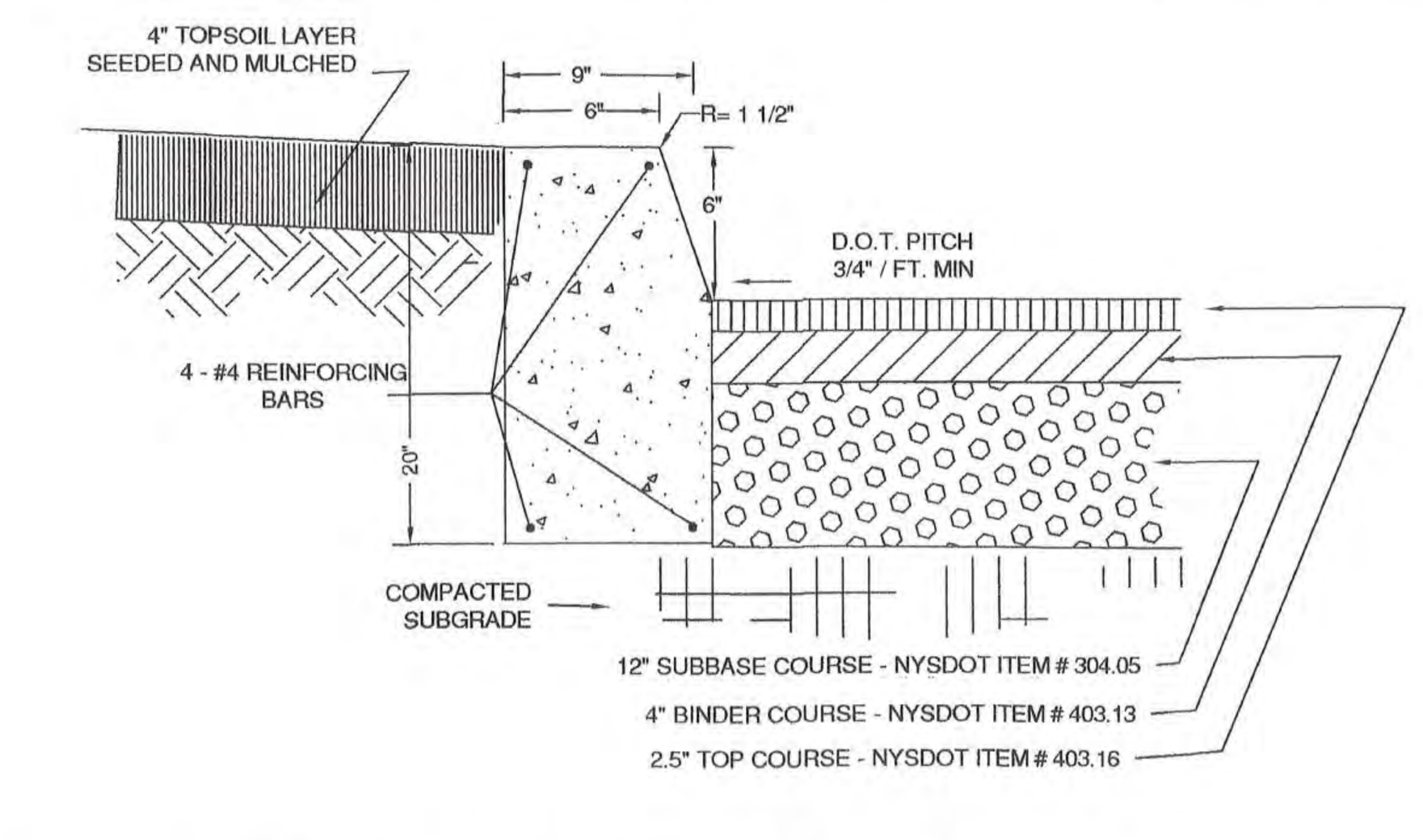
NOTES:

1. ALL ITEMS MUST CONFORM TO N.Y.DS.D.O.T. SPECIFICATIONS.

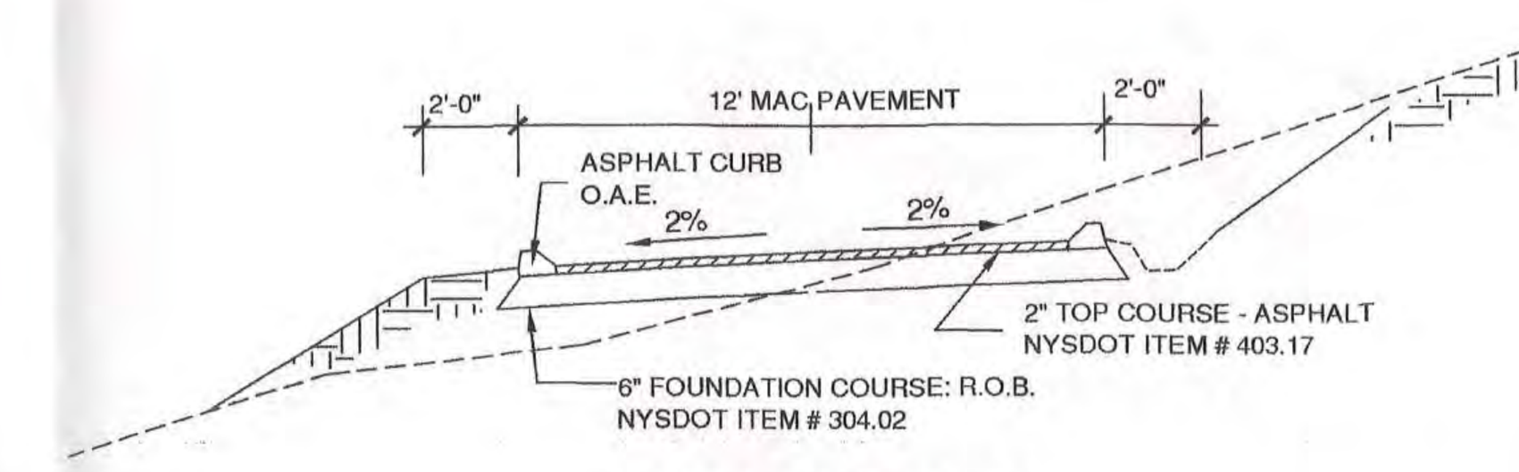


ASPHALT CURB DETAIL
N.T.S.

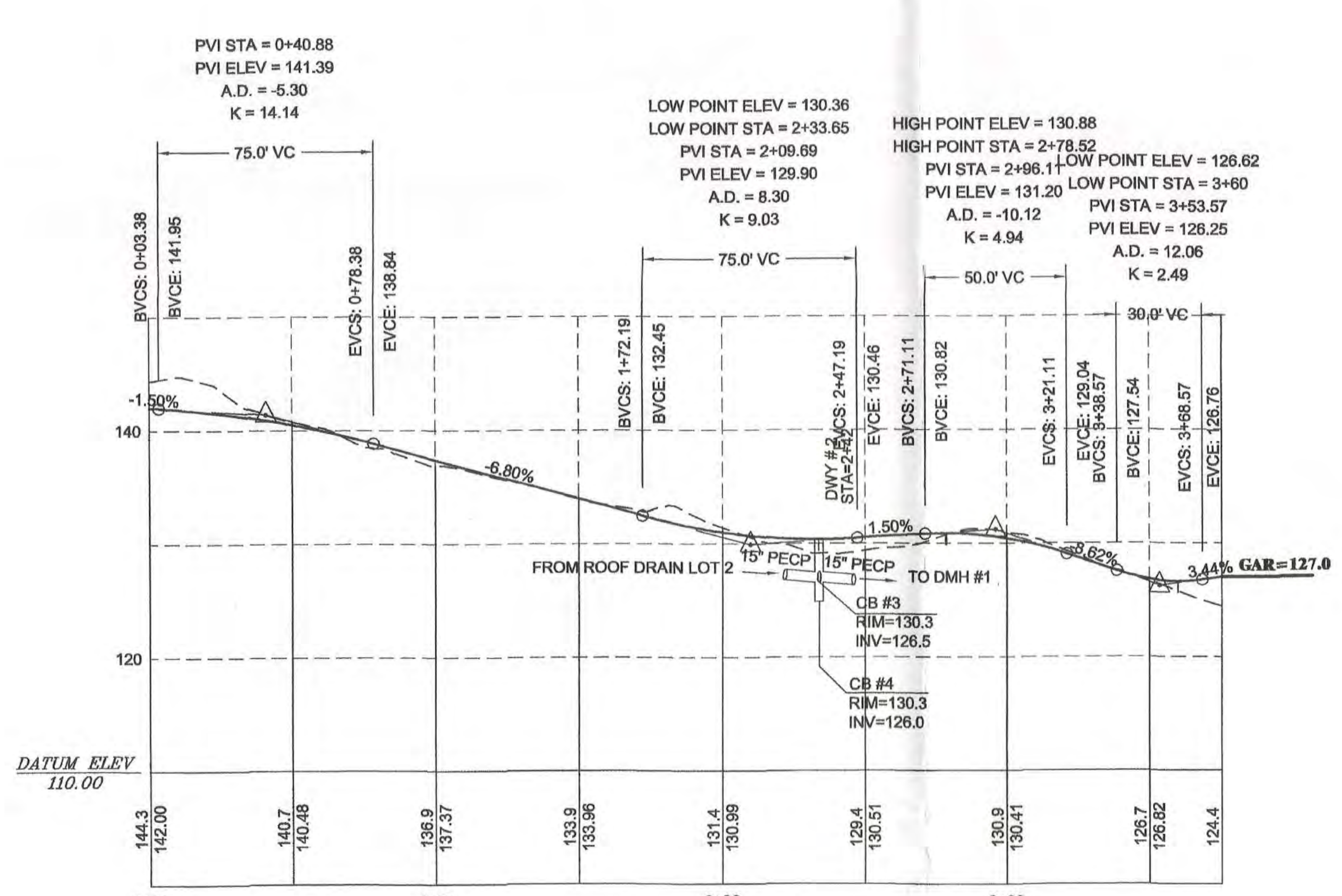
NOTE: WHERE DRIVEWAYS REQUIRE CURBING, PAVEMENT SHALL BE EXTENDED 1' IN WIDTH TO ACCOMODATE THE CURB. SEE PLAN FOR LOCATION TO BE USED FOR DRIVEWAYS.



CONCRETE CURB AND PAVEMENT DETAIL
N.T.S.
(TO BE USED ALONG NEW TOWN ROAD)

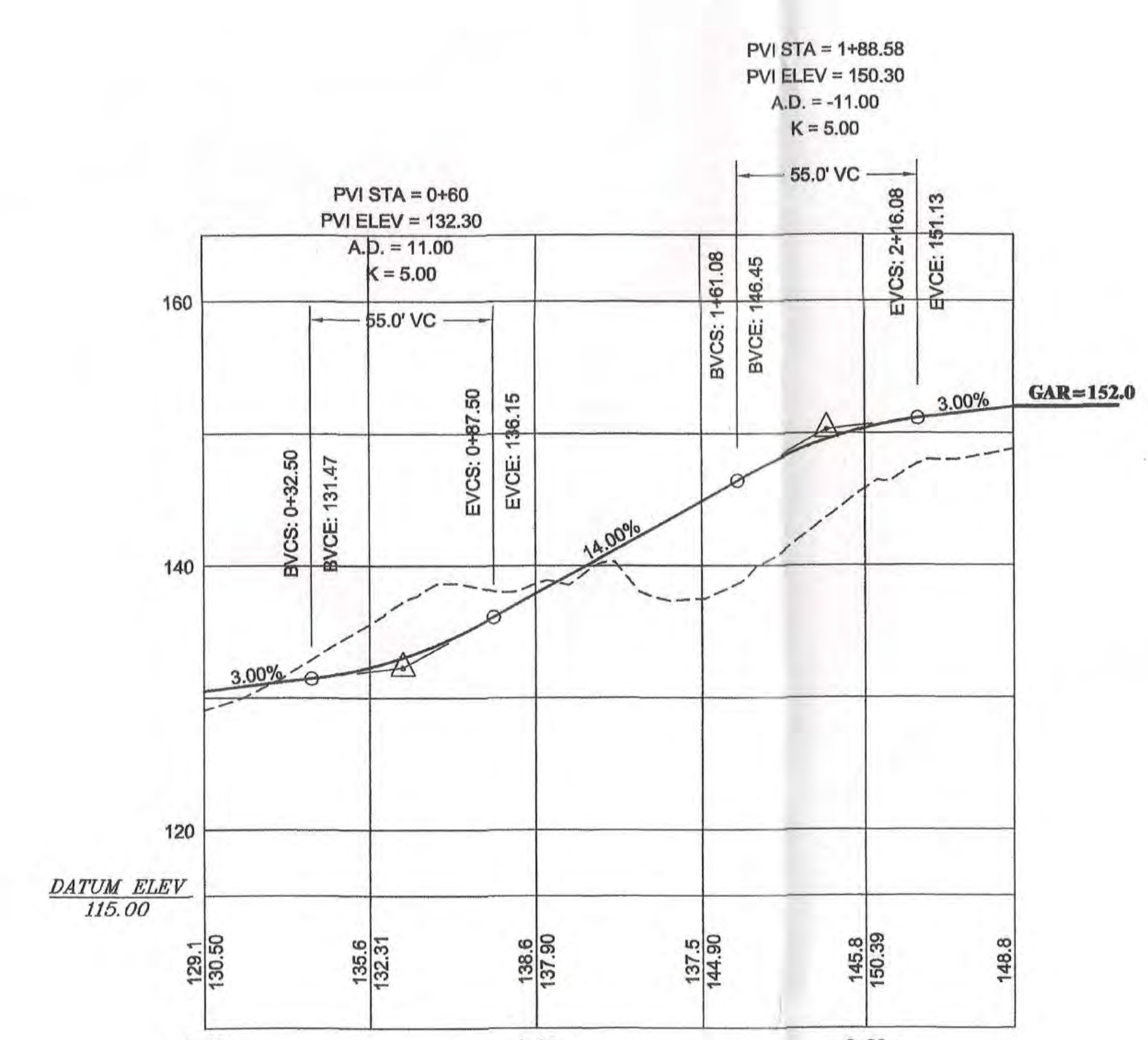


TYPICAL DRIVEWAY
N.T.S.



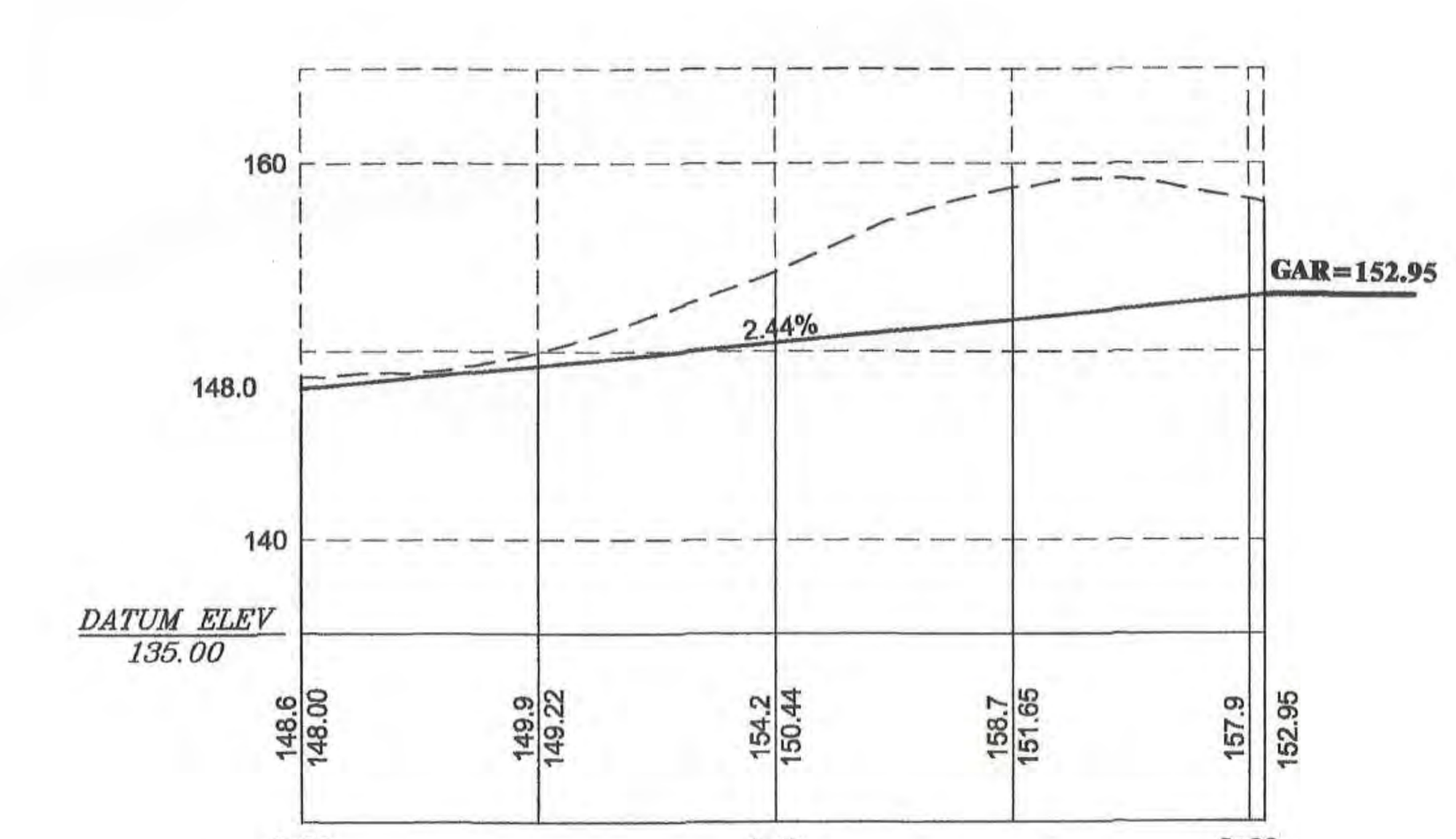
COMMON DRIVEWAY PROFILE

SCALE H 1"= 40' V 1"= 10'



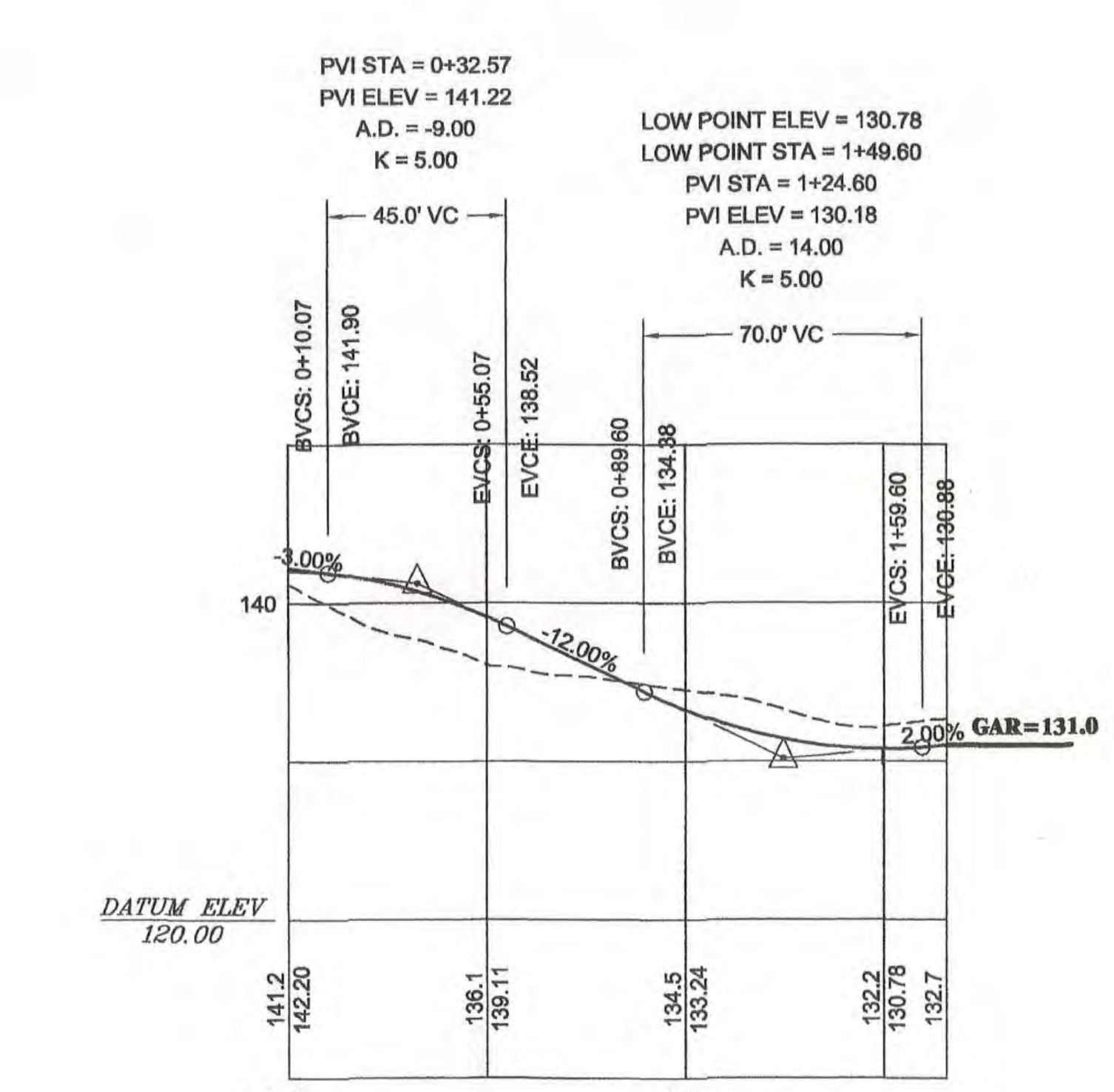
DRIVEWAY PROFILE TO LOT #2

SCALE H 1"= 40' V 1"= 10'



DRIVEWAY PROFILE TO LOT #1

SCALE H 1"= 40' V 1"= 10'



DRIVEWAY PROFILE TO LOT #4

SCALE H 1"= 40' V 1"= 10'

APPROVED BY TOWN OF NORTH CASTLE PLANNING BOARD RESOLUTON , DATED : MAY 8, 2017

DATE 01/24/2020
CHRISTOPHER CARTHY, CHAIRMAN
TOWN OF NORTH CASTLE PLANNING BOARD

PLANS REVIEWED FOR CONFORMANCE TO PLANNING BOARD RESOLUTION:

DATE 09/13/19
JOSEPH M. CERMELE, P.E.
KELLARD SESSIONS CONSULTING
CONSULTING TOWN ENGINEERS

REVISIONS:

DATE	DESCRIPTION	BY/CK	DATE	DESCRIPTION	BY/CK
2-9-09	TOWN COMMENTS	NG	12-2-16	TOWN COMMENTS	NG/NT
10-5-09	TOWN COMMENTS	NG	1-18-17	TOWN ENGINEER COMMENTS	NG/TA
12-17-09	TOWN COMMENTS	NG	3-28-18	FINAL SUBDIVISION REVIEW	NG/TA
1-11-10	TOWN COMMENTS	NG	10-9-18	FINAL SUBDIVISION REVIEW	NG/TA
2-4-10	TOWN COMMENTS	NG	4-5-19	UPDATED SIGNATURE BLOCK	NG/TA
8-30-16	FINAL SUBDIVISION APPLICATION	NG/TA			

STATE OF NEW YORK · TIMOTHY S. ALLEN · LICENSED PROFESSIONAL ENGINEER · 073474
TIMOTHY S. ALLEN, P.E.

ROAD & DRIVEWAY PROFILES

LEE A. TURET
8 EAST LANE
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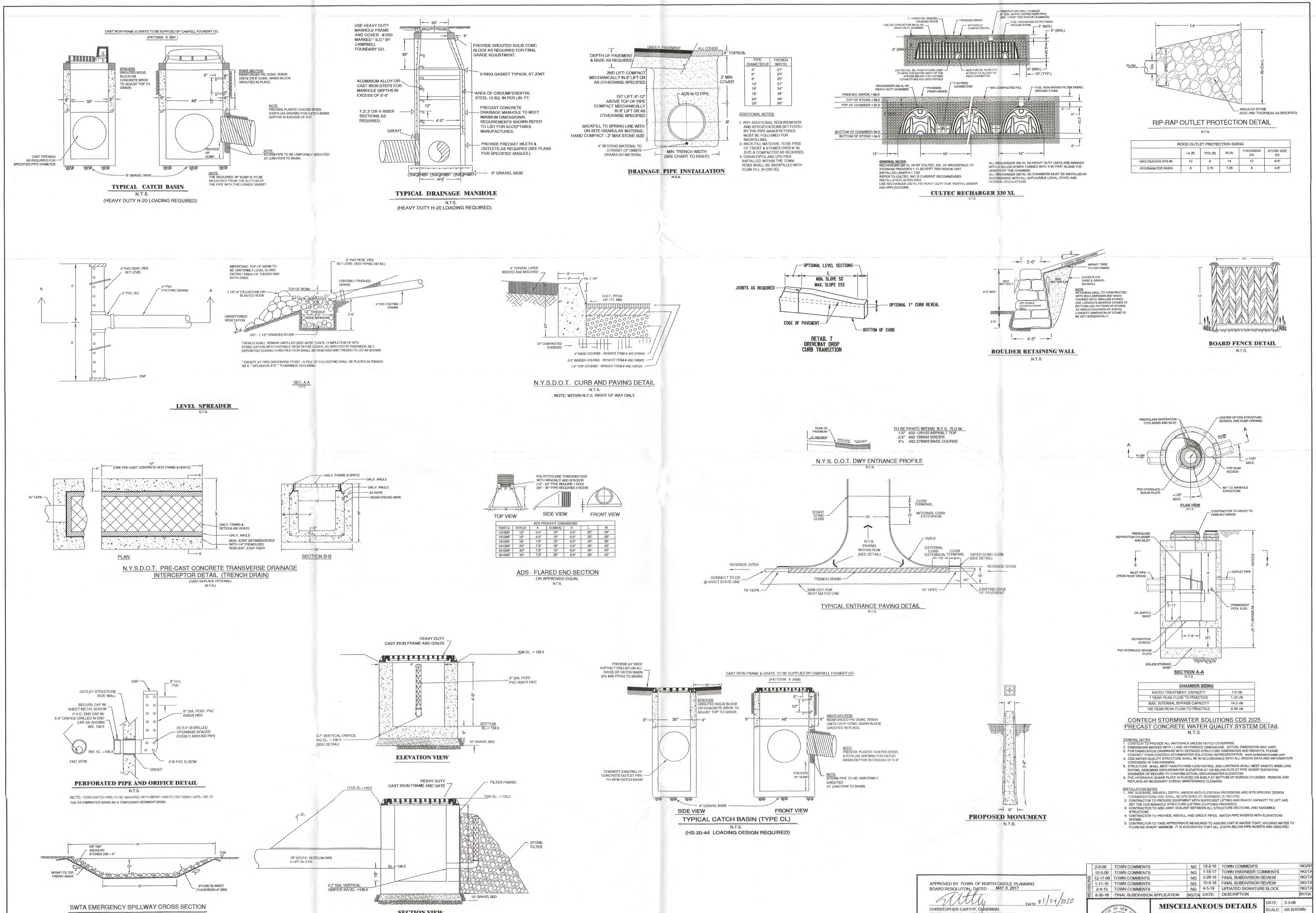
BIBBO ASSOCIATES, LLP
293 ROUTE 100 SUITE 203
SOMERS, NEW YORK 10589
TEL. 914 277 5805

DATE:	3-3-08
SCALE:	AS SHOWN
FILE:	15 D
DSGN / CHK:	TSA
DRN. BY:	NT
SHT NO.	4 OF 8
DWG NO.	P-1



PIPE DIAMETER Ø	TRENCH WIDTH
4"	21"
6"	23"
8"	25"
12"	31"
15"	34"
18"	39"
24"	48"
30"	66"

ROCK OUTLET PROTECTION SIZING

	La (ft)	3*Do (ft)	W (ft)	THICKNESS (in)	STONE SIZE (in)
INFILTRATION SYS #3	12	6	14	12	6-9"
STORMWATER BASIN	6	3.75	7.25	9	4-6"

ADS PRODUCT DIMENSIONS

PART #	PIPE Ø	A	B (MAX)	H	L	W
1210NP	12"	6.5"	10"	6.5"	25"	29"
1510NP	15"	6.5"	10"	6.5"	25"	29"
1810NP	18"	7.5"	15"	6.5"	32"	35"
2410NP	24"	7.5"	18"	6.5"	36"	45"
3015NP	30"	7.5"	12"	8.6"	36"	63"
3615NP	36"	7.5"	25"	8.6"	58"	63"

CHAMBER SIZING

RATED TREATMENT CAPACITY	1.6 cfs
1 YEAR PEAK FLOW TO PRACTICE	1.24 cfs
MAX. INTERNAL BYPASS CAPACITY	14.0 cfs
100 YEAR PEAK FLOW TO PRACTICE	9.98 cfs

APPROVED BY TOWN OF NORTH CASTLE PLANNING BOARD RESOLUTON, DATED : MAY 8, 2017

DATE 01/24/2020
CHRISTOPHER CARTHY, CHAIRMAN
TOWN OF NORTH CASTLE PLANNING BOARD

PLANS REVIEWED FOR CONFORMANCE TO PLANNING BOARD RESOLUTION:

DATE 09/13/19
JOSEPH M. CERMELE, P.E.
KELLARD SESSIONS CONSULTING
CONSULTING TOWN ENGINEERS

REVISIONS:

DATE	DESCRIPTION	BY/CK	DATE	DESCRIPTION	BY/CK
2-9-09	TOWN COMMENTS	NG	12-2-16	TOWN COMMENTS	NG/NT
10-5-09	TOWN COMMENTS	NG	1-18-17	TOWN ENGINEER COMMENTS	NG/TA
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8-30-16	FINAL SUBDIVISION APPLICATION	NG/TA			

TIMOTHY S. ALLEN, P.E.

MISCELLANEOUS DETAILS

LEE A. TURET
8 EAST LANE
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BIBBO ASSOCIATES, LLP
293 ROUTE 100 SUITE 203
SOMERS, NEW YORK 10589
TEL. 914 277 5805

DATE:	3-3-08
SCALE:	AS SHOWN
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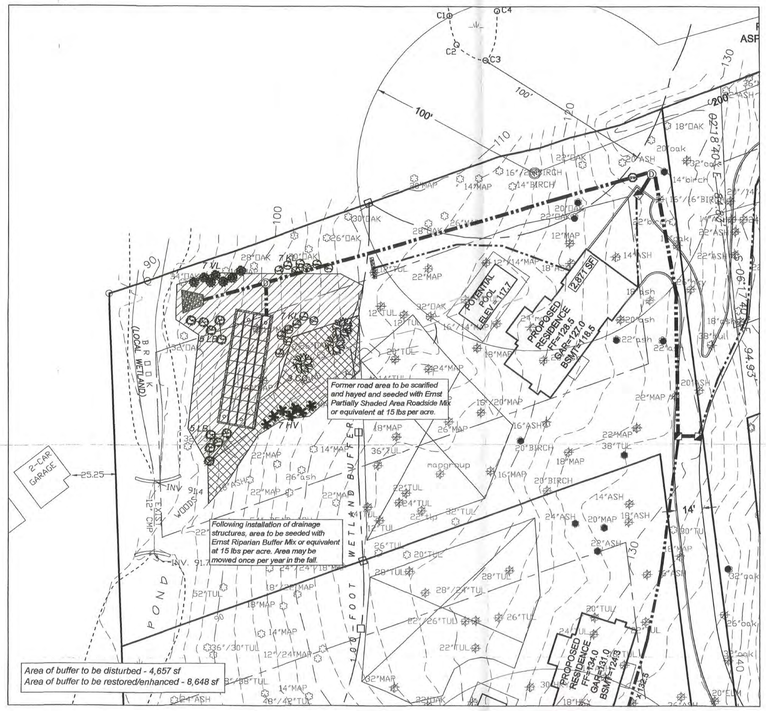
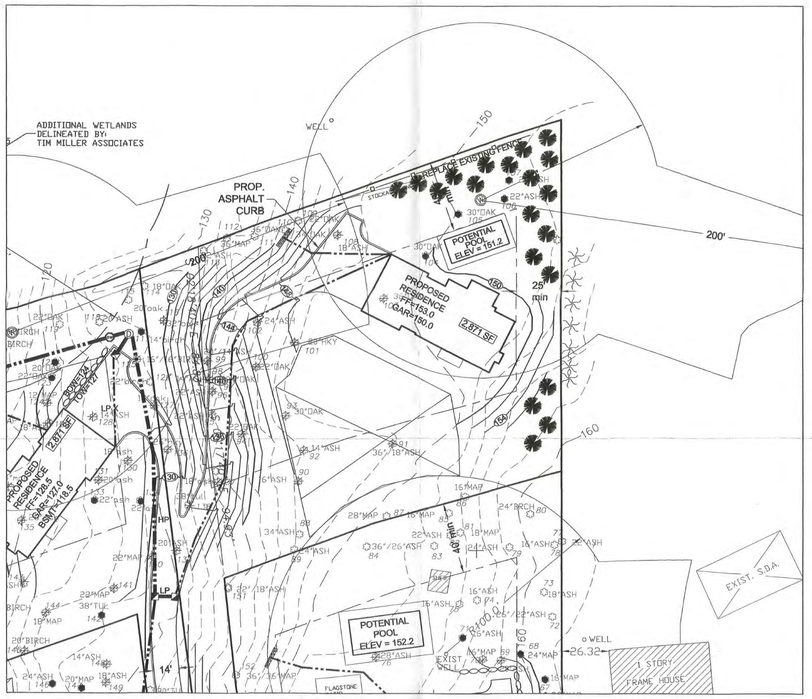
SHT NO.	5 OF 8
DWG NO.	D-1



BUFFER MITIGATION PLAN - LOT 3
SCALE 1"=30'



LANDSCAPE SCREENING PLAN
SCALE 1"=30'

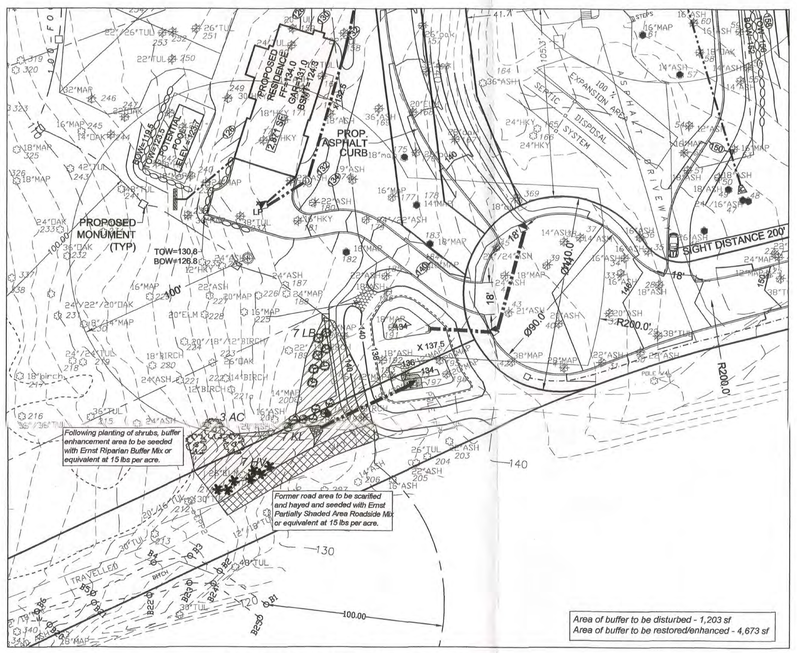
LANDSCAPE PLANTING SCHEDULE				
QTY	SYMBOL	BOTANICAL / COMMON NAME	SIZE	ROOT
20		Picea abies / Norway Spruce	6'-10' MIN	B & B

MITIGATION PLANTING SCHEDULE			
SYM.	QTY	BOTANICAL / COMMON NAME	ABBR.
	21	Kalmia latifolia / Mountain Laurel	KL
	14	Hamamelis virginiana / Witch Hazel	HV
	17	Lindera benzoin / Spicebush	LB
	3	Carpinus caroliana / Hornbeam	CC
	7	Viburnum lentago / Nannyberry	VL
	3	Amelanchier candensis / Shadbush	AC

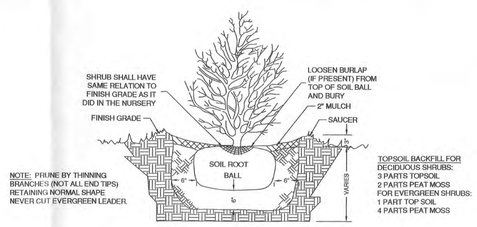
LEGEND:

FORMER ROADWAY TO BE SCARCIFIED, HAYED, AND SEEDED

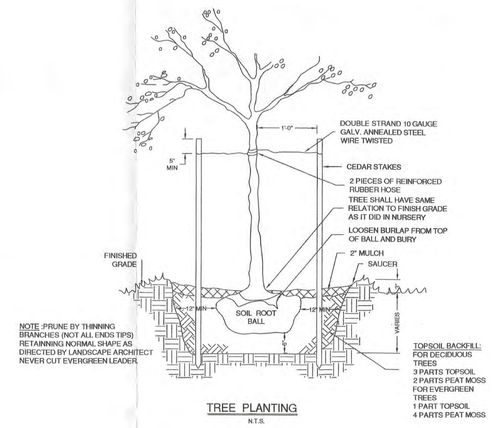
AREA TO BE SEEDED FOLLOWING THE PLANTING OF SHRUBS



BUFFER MITIGATION PLAN - LOT 4
SCALE 1"=30'



SHRUB PLANTING
N.T.S.



TREE PLANTING
N.T.S.

WETLAND BUFFER MITIGATION PROVIDED

TOTAL DISTURBANCE WITHIN WETLAND BUFFER = 5,860 SF

TOTAL WETLAND BUFFER MITIGATION SHOWN = 13,321 SF

PROPOSED WETLAND BUFFER MITIGATION TO DISTURBANCE RATIO = 2.27:1

PROPOSED WETLAND BUFFER MITIGATION PLAN PREPARED BY:

TIM MILLER ASSOCIATES, INC.
10 NORTH STREET
COLD SPRING, NEW YORK 10516

APPROVED BY TOWN OF NORTH CASTLE PLANNING BOARD RESOLUTION , DATED : MAY 8, 2017

DATE 01/24/2020

CHRISTOPHER CARTHY, CHAIRMAN
TOWN OF NORTH CASTLE PLANNING BOARD

PLANS REVIEWED FOR CONFORMANCE TO PLANNING BOARD RESOLUTION:

DATE 02/3/19

JOSEPH M. CERMELE, P.E.
KELLARD SESSIONS CONSULTING
CONSULTING TOWN ENGINEERS

REVISIONS						
2-9-09	TOWN COMMENTS	NG	12-2-16	TOWN COMMENTS	NG/NT
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2-4-10	TOWN COMMENTS	NG	4-5-19	UPDATED SIGNATURE BLOCK	NG/TA
8-30-16	FINAL SUBDIVISION APPLICATION	NG/TA	DATE:	DESCRIPTION	BY/CK

STATE OF NEW YORK — TIMOTHY S. ALLEN — LICENSED PROFESSIONAL ENGINEER
TIMOTHY S. ALLEN, P.E.

LANDSCAPE AND WETLAND BUFFER MITIGATION PLAN

LEE A. TURET
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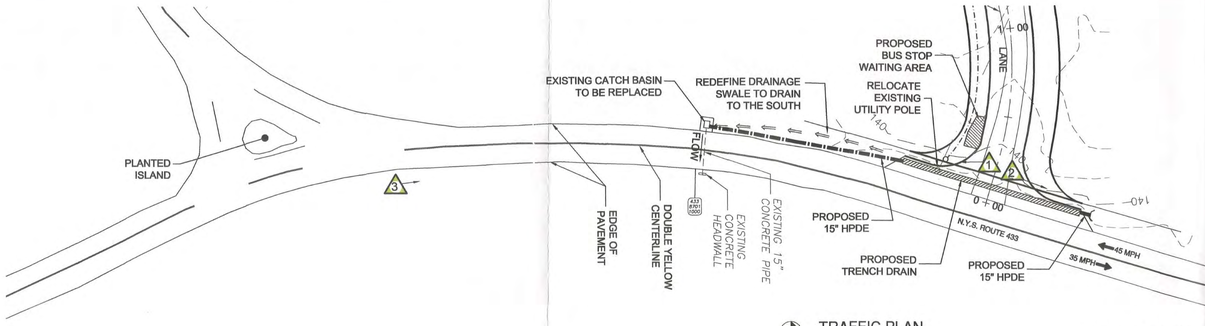
BIBBO ASSOCIATES, LLP
293 ROUTE 100 SUITE 203
SOMERS, NEW YORK 10589
TEL. 914 277 5805

DATE:	3-3-08
SCALE:	1" = 40'
FILE:	15 D
DSGN / CHK:	TSA
DRN. BY:	NG
SHT NO.	6 OF 8
DWG NO.	LM-1



TRAFFIC PLAN
SCALE 1" = 30'

AADT DATA			
DIRECTION	AVERAGE HIGH HOUR COUNT	DAILY HIGH HOUR	ESTIMATED A A D T
NORTHBOUND	358	17:00	2305
SOUTHBOUND	387.5	08:00	2222

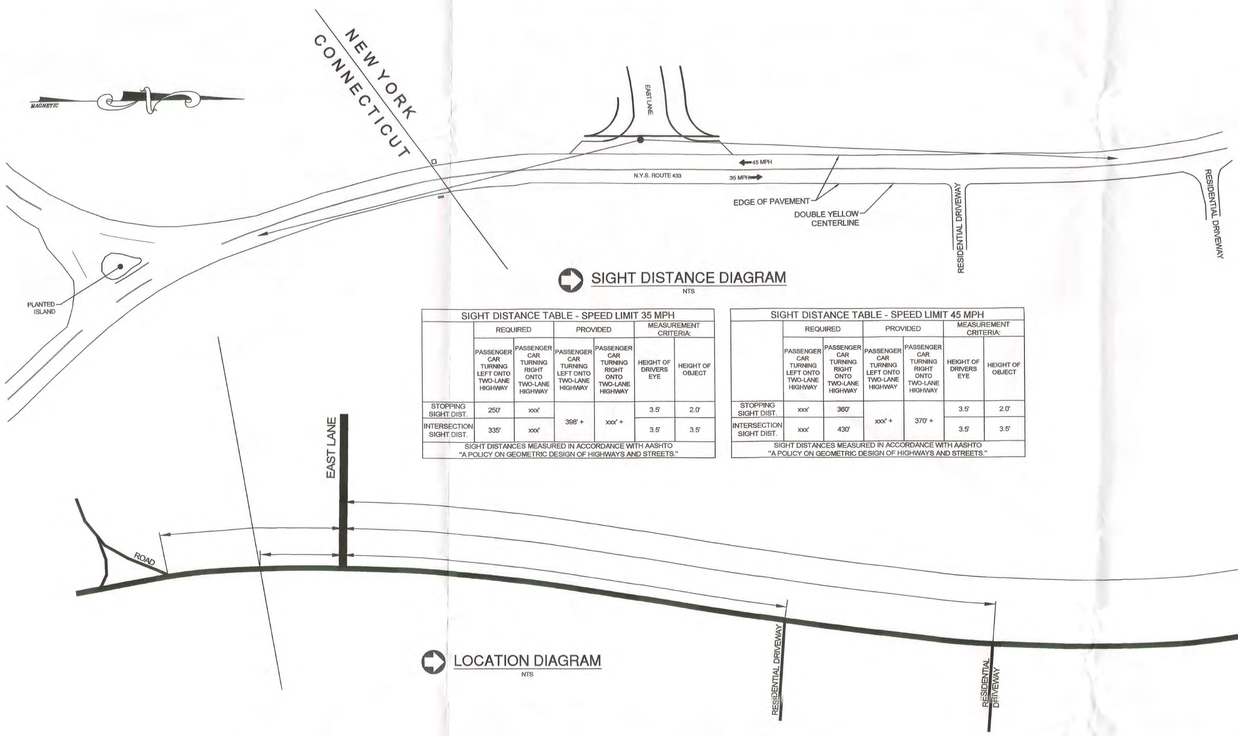
SOURCE: NYSDOT
COUNT CONDUCTED AT REFERENCE MARKER 433 8701 1002 ON 5/19/2009.

1 LOOKING SOUTH FROM EAST LANE

2 LOOKING NORTH FROM EAST LANE

3 LOOKING NORTH FROM NB ROUTE 433 TOWARDS EAST LANE

4 LOOKING SOUTH FROM SB ROUTE 433 TOWARDS EAST LANE

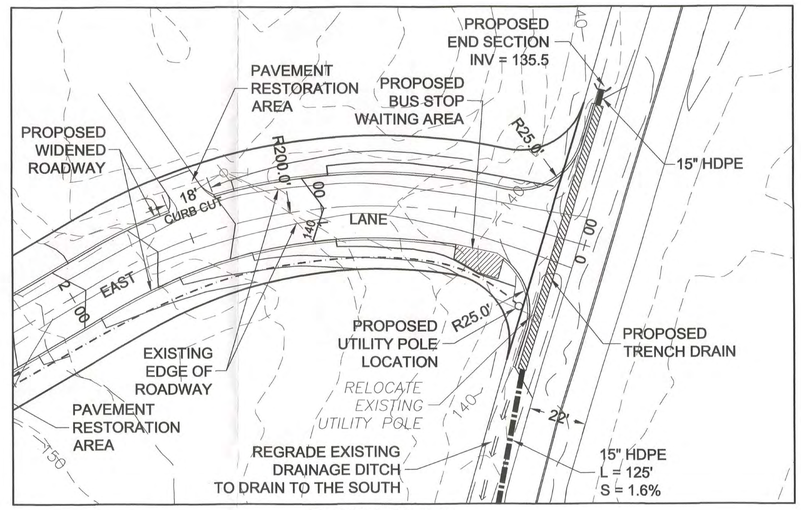


SIGHT DISTANCE DIAGRAM
NTS

SIGHT DISTANCE TABLE - SPEED LIMIT 35 MPH						
	REQUIRED		PROVIDED		MEASUREMENT CRITERIA:	
	PASSENGER CAR TURNING LEFT ONTO TWO-LANE HIGHWAY	PASSENGER CAR TURNING RIGHT ONTO TWO-LANE HIGHWAY	PASSENGER CAR TURNING LEFT ONTO TWO-LANE HIGHWAY	PASSENGER CAR TURNING RIGHT ONTO TWO-LANE HIGHWAY	HEIGHT OF DRIVERS EYE	HEIGHT OF OBJECT
STOPPING SIGHT DIST.	250'	xxx'	398' +	xxx' +	3.5'	2.0'
INTERSECTION SIGHT DIST.	335'	xxx'			3.5'	3.5'
SIGHT DISTANCES MEASURED IN ACCORDANCE WITH AASHTO "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS."						

SIGHT DISTANCE TABLE - SPEED LIMIT 45 MPH						
	REQUIRED		PROVIDED		MEASUREMENT CRITERIA:	
	PASSENGER CAR TURNING LEFT ONTO TWO-LANE HIGHWAY	PASSENGER CAR TURNING RIGHT ONTO TWO-LANE HIGHWAY	PASSENGER CAR TURNING LEFT ONTO TWO-LANE HIGHWAY	PASSENGER CAR TURNING RIGHT ONTO TWO-LANE HIGHWAY	HEIGHT OF DRIVERS EYE	HEIGHT OF OBJECT
STOPPING SIGHT DIST.	xxx'	360'	xxx' +	370' +	3.5'	2.0'
INTERSECTION SIGHT DIST.	xxx'	430'			3.5'	3.5'
SIGHT DISTANCES MEASURED IN ACCORDANCE WITH AASHTO "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS."						

LOCATION DIAGRAM
NTS



ENTRANCE PLAN
SCALE 1" = 20'

APPROVED BY TOWN OF NORTH CASTLE PLANNING BOARD RESOLUTION , DATED : MAY 6, 2017

DATE 01/24/2020

CHRISTOPHER CARTHY, CHAIRMAN
TOWN OF NORTH CASTLE PLANNING BOARD

PLANS REVIEWED FOR CONFORMANCE TO PLANNING BOARD RESOLUTION:

DATE 09/3/19

JOSEPH M. CERMELE, P.E.
KELLARD SESSIONS CONSULTING
CONSULTING TOWN ENGINEERS

REVISIONS:						
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2-4-10	TOWN COMMENTS	NG	4-5-19	UPDATED SIGNATURE BLOCK	NG/TA
8-30-16	FINAL SUBDIVISION APPLICATION	NG/TA	DATE:	DESCRIPTION	BY/CK

STATE OF NEW YORK · TIMOTHY S. ALLEN · 072434 · LICENSED PROFESSIONAL ENGINEER

TIMOTHY S. ALLEN, P.E.

EAST LANE ENTRANCE PLAN

LEE A. TURET
8 EAST LANE
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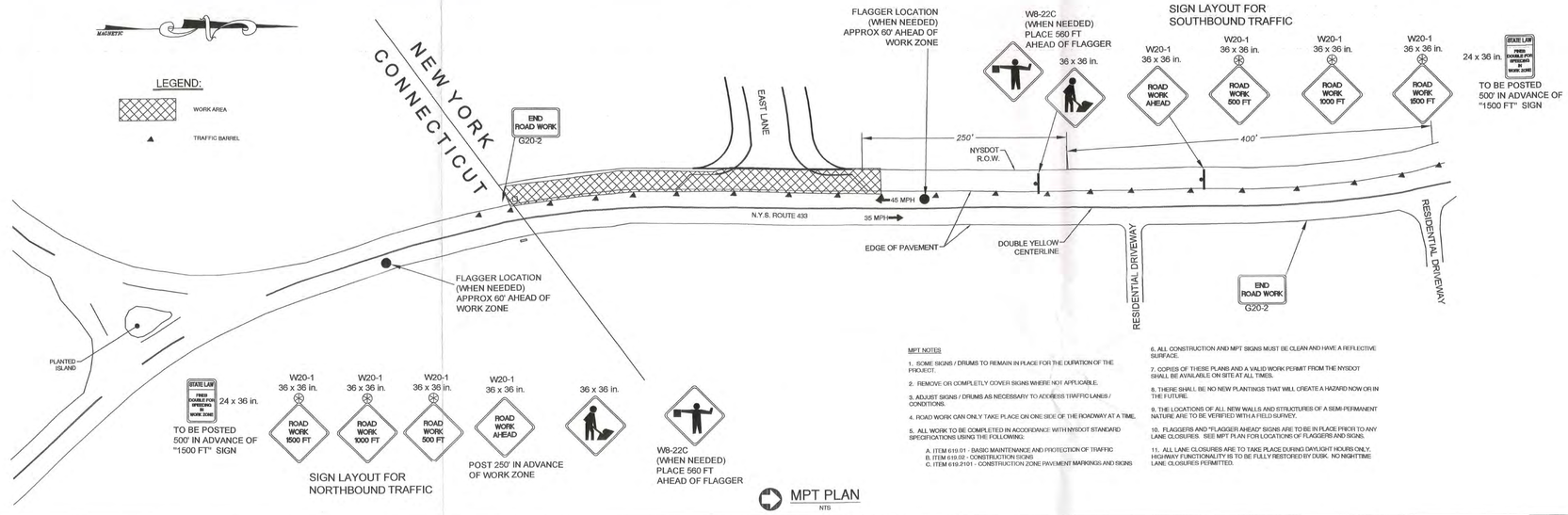
BIBBO ASSOCIATES, LLP
293 ROUTE 100 SUITE 203
SOMERS, NEW YORK 10589
TEL. 914 277 5805

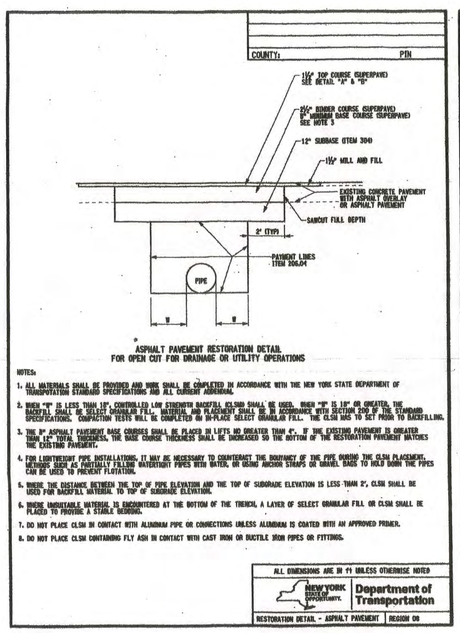
DATE:	3-3-08
SCALE:	AS SHOWN
FILE:	15 D
DSGN / CHK:	TSA
DRN. BY	NT
SHT NO.	7 OF 8
DWG NO.	**EL-1**



MPT PLAN
NTS

MPT NOTES

1. SOME SIGNS / DRUMS TO REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
2. REMOVE OR COMPLETLY COVER SIGNS WHERE NOT APPLICABLE.
3. ADJUST SIGNS / DRUMS AS NECESSARY TO ADDRESS TRAFFIC LANES / CONDITIONS.
4. ROAD WORK CAN ONLY TAKE PLACE ON ONE SIDE OF THE ROADWAY AT A TIME.
5. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATIONS USING THE FOLLOWING:
   A. ITEM 619.01 - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC
   B. ITEM 619.02 - CONSTRUCTION SIGNS
   C. ITEM 619.2101 - CONSTRUCTION ZONE PAVEMENT MARKINGS AND SIGNS
6. ALL CONSTRUCTION AND MPT SIGNS MUST BE CLEAN AND HAVE A REFLECTIVE SURFACE.
7. COPIES OF THESE PLANS AND A VALID WORK PERMIT FROM THE NYSDOT SHALL BE AVAILABLE ON SITE AT ALL TIMES.
8. THERE SHALL BE NO NEW PLANTINGS THAT WILL CREATE A HAZARD NOW OR IN THE FUTURE.
9. THE LOCATIONS OF ALL NEW WALLS AND STRUCTURES OF A SEMI-PERMANENT NATURE ARE TO BE VERIFIED WITH A FIELD SURVEY.
10. FLAGGERS AND "FLAGGER AHEAD" SIGNS ARE TO BE IN PLACE PRIOR TO ANY LANE CLOSURES. SEE MPT PLAN FOR LOCATIONS OF FLAGGERS AND SIGNS.
11. ALL LANE CLOSURES ARE TO TAKE PLACE DURING DAYLIGHT HOURS ONLY. HIGHWAY FUNCTIONALITY IS TO BE FULLY RESTORED BY DUSK. NO NIGHTTIME LANE CLOSURES PERMITTED.

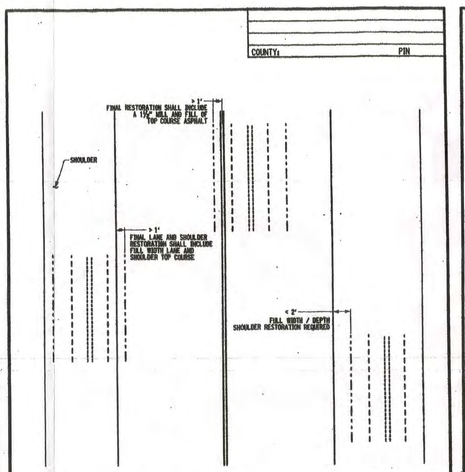


ASPHALT PAVEMENT RESTORATION DETAIL
FOR OPEN CUT FOR DRAINAGE OR UTILITY OPERATIONS

NOTES:

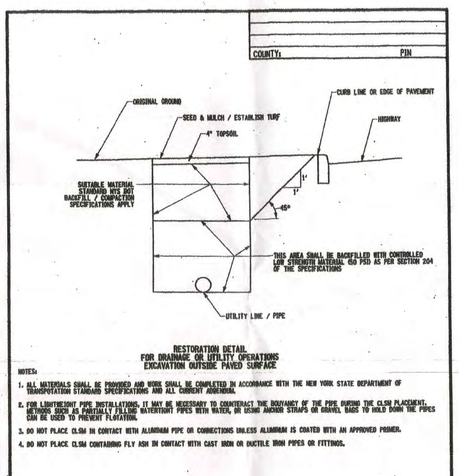
1. ALL MATERIALS SHALL BE PROVIDED AND WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND ALL CURRENT ADDENDA.
2. WHEN "W" IS LESS THAN 18', CONTROLLED LOW STRENGTH BACKFILL (CLSM) SHALL BE USED. WHEN "W" IS 18' OR GREATER, THE BACKFILL SHALL BE SELECT GRANULAR FILL MATERIAL AND PLACEMENT SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE STANDARD SPECIFICATIONS. COMPACTION TESTS WILL BE COMPLETED ON IN-PLACE SELECT GRANULAR FILL. THE CLSM HAS TO SET PRIOR TO BACKFILLING.
3. THE 8" ASPHALT PAVEMENT BASE COURSES SHALL BE PLACED IN 4" LIFTS NO GREATER THAN 6". IF THE EXISTING PAVEMENT IS GREATER THAN 12" TOTAL THICKNESS, THE BASE COURSE THICKNESS SHALL BE INCREASED SO THE BOTTOM OF THE RESTORATION PAVEMENT MATCHES THE EXISTING PAVEMENT.
4. FOR LIGHTWEIGHT PIPE INSTALLATIONS, IT MAY BE NECESSARY TO COUNTERACT THE BOUYANCY OF THE PIPE DURING THE CLSM PLACEMENT. METHODS SUCH AS PARTIALLY FILLING WATERTIGHT PIPES WITH WATER, OR USING ANCHOR STRAPS OR GRAVEL BAGS TO HOLD DOWN THE PIPES CAN BE USED TO PREVENT FLOATATION.
5. WHERE THE DISTANCE BETWEEN THE TOP OF PIPE ELEVATION AND THE TOP OF SUBGRADE ELEVATION IS LESS THAN 2', CLSM SHALL BE USED FOR BACKFILL MATERIAL TO TOP OF SUBGRADE ELEVATION.
6. WHERE UNSUITABLE MATERIAL IS ENCOUNTERED AT THE BOTTOM OF THE TRENCH, A LAYER OF SELECT GRANULAR FILL OR CLSM SHALL BE PLACED TO PROVIDE A STABLE BEDDING.
7. DO NOT PLACE CLSM IN CONTACT WITH ALUMINUM PIPE OR CONNECTIONS UNLESS ALUMINUM IS COATED WITH AN APPROVED PRIMER.
8. DO NOT PLACE CLSM CONTAINING FLY ASH IN CONTACT WITH CAST IRON OR DUCTILE IRON PIPES OR FITTINGS.

ALL DIMENSIONS ARE IN FT UNLESS OTHERWISE NOTED
NEW YORK STATE DEPARTMENT OF TRANSPORTATION — Department of Transportation
RESTORATION DETAIL - ASPHALT PAVEMENT | REGION 08



DETAIL "B"
LONGITUDINAL

ALL DIMENSIONS ARE IN FT UNLESS OTHERWISE NOTED
NEW YORK STATE DEPARTMENT OF TRANSPORTATION — Department of Transportation
RESTORATION DETAIL - ASPHALT PAVEMENT | REGION 08



RESTORATION DETAIL
FOR DRAINAGE OR UTILITY OPERATIONS
EXCAVATION OUTSIDE PAVED SURFACE

NOTES:

1. ALL MATERIALS SHALL BE PROVIDED AND WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND ALL CURRENT ADDENDA.
2. FOR LIGHTWEIGHT PIPE INSTALLATIONS, IT MAY BE NECESSARY TO COUNTERACT THE BOUYANCY OF THE PIPE DURING THE CLSM PLACEMENT. METHODS SUCH AS PARTIALLY FILLING WATERTIGHT PIPES WITH WATER, OR USING ANCHOR STRAPS OR GRAVEL BAGS TO HOLD DOWN THE PIPES CAN BE USED TO PREVENT FLOATATION.
3. DO NOT PLACE CLSM IN CONTACT WITH ALUMINUM PIPE OR CONNECTIONS UNLESS ALUMINUM IS COATED WITH AN APPROVED PRIMER.
4. DO NOT PLACE CLSM CONTAINING FLY ASH IN CONTACT WITH CAST IRON OR DUCTILE IRON PIPES OR FITTINGS.

ALL DIMENSIONS ARE IN FT UNLESS OTHERWISE NOTED
NEW YORK STATE DEPARTMENT OF TRANSPORTATION — Department of Transportation
RESTORATION DETAIL - UNPAVED SURFACE | REGION 08

SPECIAL NOTES

1. **Maintenance and Protection of Traffic is the responsibility of the permittee. Any subcontractors working for the permittee must have a copy of the Highway Work Permit on the site and must be familiar with the traffic control requirements. It is strongly advised that a "tailgate" safety meeting with each work crew be initiated before the start of work.**
2. **Traffic control schemes must be in place, and maintained, throughout the duration of work.**
3. **All Maintenance and Protection of Traffic to be in accordance with the National Manual of Uniform Traffic Control Devices and the NYS Supplement.**
4. **Anyone working within the highway right-of-way shall wear high-visibility apparel meeting the ANSI 107-2004 Class II standards and a hard hat.**
5. **At the start of work on the project, all work zone traffic control devices shall appear in "acceptable" condition. These devices shall not be allowed to fall below the "marginal" condition at any time during the life of the project. Faded and deteriorated panels and non-standard legends are not acceptable.**
6. **Flagger signs are to be used only when a flagger is actually present and visible to the motorist. They shall be covered or removed at all other times. Stop/slow paddles are required.**
7. **No low-mounted signs shall be permitted, except for flexible panels meeting the current specification requirements.**

February 2010 Page 1

STANDARD CONDITION AND OBLIGATION
FOR HIGHWAY WORK PERMITS
WINTER WORK

WINTER TIME WORK OPERATIONS
REQUIRE PRIOR PERMISSION FROM
RESIDENCY PERMIT INSPECTOR OR RESIDENT ENGINEER

Permittees / Utility Companies / Contractors are **Responsible** for Obtaining all necessary Reference Documents, Publications and Drawings. They are available On-Line at **www.dot.state.ny.us**

SNOW PLOWING REQUIREMENTS

Due to possible snow fall and hence snow plowing operations, any steel plates used to cover an excavation shall be: *(steel plates may be allowed for up to 14 days– time extensions require explanations)*

A. Recessed into the pavement and pinned.
OR
B. Pinned with asphalt ramps placed along all edges. Ramps shall be sloped at 1 inch rise per 6 feet run maximum. "RAISE PLOW" signs supplemented with Type A flashing lights must be erected at an appropriate distance before the excavation; signs and lights must meet NYSDOT MUTCD Specifications.

WINTER TIME EARTHWORK REQUIREMENTS

All Permit work under construction between the dates of November 1 through May 1 shall conform to the following requirements:

1. Granular or other frost susceptible material shall not be placed when the temperature is below 32 degrees Fahrenheit.
2. Frozen material shall not be incorporated into embankments or backfills.
3. Material shall not be placed on frozen ground.
4. The material shall be compacted in accordance with Highway Design Manual Chapter 13 Appendix 13C, "Requirements For The Design And Construction Of Underground Utility Installations Within The State Highway Right-Of-Way" (aka Blue Book), latest revision, or EI 04-015 (Engineering Instruction).
5. Any special conditions and restrictions as may be imposed by the Resident Engineer or the Regional Geotechnical (Soils) Engineer.

SPECIAL NOTE
TEMPORARY LANE CLOSURE RESTRICTIONS FOR MAJOR HOLIDAYS
2017, 2018, 2019

There shall be no temporary lane closures on roadway facilities owned and/or maintained by New York State Department of Transportation (NYSDOT) on the major holidays listed below.

2017 Holiday	Day/Date	Beginning	Ending
New Year's Day –	Sunday, 01/01/17	6 am Friday, 12/30/16	10:00 am Tuesday, 01/03/17
Memorial Day –	Monday, 05/29/17	6 am Friday, 05/26/17	10:00 am Tuesday, 05/30/17
Independence Day –	Tuesday, 07/04/17	6 am Friday, 06/30/17	10:00 am Wed., 07/05/17
Labor Day –	Monday, 09/04/17	6 am Friday, 09/01/17	10:00 am Tuesday, 09/05/17
Thanksgiving Day –	Thursday, 11/23/17	6 am Wed., 11/22/17	10:00 am Monday, 11/27/17
Christmas Day –	Monday, 12/25/17	6 am Friday, 12/22/17	10:00 am Tuesday, 12/26/17

2018 Holiday	Day/Date	Beginning	Ending
New Year's Day –	Monday, 01/01/18	6 am Friday, 12/29/17	10:00 am Tuesday, 01/02/18
Memorial Day –	Monday, 05/28/18	6 am Friday, 05/25/18	10:00 am Tuesday, 05/29/18
Independence Day –	Wed., 07/04/18	6 am Tue., 07/03/18	10:00 am Thursday, 07/05/18
Labor Day –	Monday, 09/03/18	6 am Friday, 08/31/18	10:00 am Tue., 09/04/18
Thanksgiving Day –	Thursday, 11/22/18	6 am Wed., 11/21/18	10:00 am Monday, 11/26/18
Christmas Day –	Tuesday, 12/25/18	6 am Friday, 12/21/18	10:00 am Wed., 12/26/18

2019 Holiday	Day/Date	Beginning	Ending
New Year's Day –	Tuesday, 01/01/19	6 am Friday, 12/28/18	10:00 am Wed., 01/02/19
Memorial Day –	Monday, 05/27/19	6 am Friday, 05/24/19	10:00 am Tue., 05/28/19
Independence Day –	Thursday, 07/04/19	6 am Wed., 07/03/19	10:00 am Monday, 07/08/19
Labor Day –	Monday, 09/02/19	6 am Friday, 08/30/19	10:00 am Tue., 09/03/19
Thanksgiving Day –	Thursday, 11/28/19	6 am Wed., 11/27/19	10:00 am Monday, 12/02/19
Christmas Day –	Wed., 12/25/19	6 am Tuesday, 12/24/19	10:00 am Thursday, 12/26/19

Exceptions can only be made under the following conditions:

- Emergency work
- Work within long-term stationary lane closures
- Safety work that does not adversely impact traffic mobility and has been authorized by the Office of Traffic Safety & Mobility.

2009 July 01

STANDARD CONDITION AND OBLIGATION
FOR HIGHWAY WORK PERMIT

Landscape, ADA & Environmental Notes

1. **All disturbed areas** within the State R.O.W. are to be topsoiled, seeded and mulched to guarantee an acceptable stand of grass.
2. **No trees** within the State R.O.W. over 6" D.B.H. (Diameter Breast Height) are to be removed without prior permission from the Regional Landscape Architect / Office. The Regional Landscape Architect/ Office may be contacted at (845) 431-5853.
3. **Acceptable** Island treatments or other landscaped areas are:
   a. maintained turf,
   b. organic mulch with or without plants,
      *** Plants, at their mature height, shall not invade the sight distance requirements of driveways. Plants must be 2 feet or less in height above the driveway pavement (18" above 6" curb).
   c. concrete pavers/ landscape brick,
      *** Flush Channelizing Islands in lieu of large asphalt driveways with pavement markings must be designed & constructed to support traffic load of large vehicle turn paths
   d. concrete (if for sidewalk, 5 feet + space for signs minimum between curbs),
   e. combinations of these.
   f. Landscape Planting Details shall comply with NYSDOT Standard Sheet **M611-1** or **611-01**.
4. Unacceptable Island treatments or other landscaped areas are:
   a. asphalt
   b. loose stone/ gravel of any size.
5. Applicant/ Permittee **Agrees to maintain landscaping** on NYSDOT ROW.
   *** Blowing of hazardous debris (dust, dirt, leaves, etc.) with any kind of force towards the State Highway, other public roadway or driveway entrances is prohibited. Leaf blowers or other power tools that can interfere with traffic, damage a vehicle / bicycle / property of other highway users or cause injury to persons are not permitted for maintenance operations. Maintenance shall include normal manual landscape type labor.
6. All Sidewalk Curb Ramps and Detectable Warning Surfaces shall be as per:
   a. NYSDOT Standard Sheets
      Metric Units (09 06-05), approved 2006-12-07 effective 2007-05-03)
      M608-10 Sheet 1 of 4 Sidewalk Curb Ramps Dimensions, Details and Geometry
      M608-11 Sheet 2 of 4 Sidewalk Curb Ramps Configurations: Type 1 thru 8
      M608-12 Sheet 3 of 4 Sidewalk Curb Ramps Configurations: Type 9 thru 13
      M608-13 Sheet 4 of 4 Sidewalk Curb Ramps Detectable Warning Details
      U.S. Customary Units (09 06-06, approved 2006-09-19 effective 2009-01-08)
      608-01 Sheet 1 of 4 Sidewalk Curb Ramp Details Dimensions and Geometry
      608-01 Sheet 2 of 4 Sidewalk Curb Ramp Details Configurations: Type 1 thru 8
      608-01 Sheet 3 of 4 Sidewalk Curb Ramp Details Configurations: Type 9 thru 13
      608-01 Sheet 4 of 4 Sidewalk Curb Ramp Details Detectable Warnings
   b. NYSDOT Standard Specifications May 1, 2008 U.S. Customary Units
      Item 608.20 Surface-Applied Detectable Warning Units Square Yard
      Item 608.21 Embedded Detectable Warning Units Square Yard
      Item 608.22 Stamped Concrete Detectable Warning Units Square Yard
7. Other Accessible requirements shall be as per:
   a. Engineering Instruction 92-005 - **Accessible Bus Stops**
   b. NYSDOT Standard Sheet:
      Metric Units (09 02-039, approved 2002-07-25 effective 2003-01-16)
      M608-4R1 - Details, Accessible Parking For Persons With Disabilites
      U.S. Customary Units (09 06-036, approved 2008-09-19 effective 2009-01-08)
      608-02 - Details, Accessible Parking For Persons With Disabilites
8. Pavement markings for crosswalks & stop lines are as per NYSDOT Standard Sheets, the latest versions:
   Metric Units Stop lines are on Standard Sheet M685-1R1 Crosswalks are on Standard Sheet M685-3R3
   U.S. Customary Units Stop lines are on Standard Sheet 685-01 Sheet 1 of 5 Crosswalks are on Standard Sheet 685-01 Sheet 2 of 5

REGIONAL BULLETIN — NEW YORK STATE DEPARTMENT OF TRANSPORTATION	Code: 8-B-16-15 Date: 4/14/16
APPROVED: Todd B. Westhuis, P.E. Regional Director – Region 8	SUBJECT: TMC Notification of Lane and Shoulder Closures
	Distribution: ☒General ☐Other

Effective April 18, 2016, all work requiring lane or shoulder closures on state highways in the Region shall be reported to the Transportation Management Center (TMC) at the start and completion of the closure. In addition, work that is delayed past the expected completion time shall also be reported to the TMC.

This requirement includes all construction, maintenance, bridge inspection, survey and other work that could impact the flow of traffic and whose safety of Department staff could be enhanced with the benefit of both broad and targeted notifications to motorists by the TMC. In addition, permittees shall also be given contact information for the TMC with the direction that they must also call at the start, completion and delay of any work they perform on state highways.

Reporting the work to the TMC can be done by calling the TMC operations floor at (914) 742-6100. TMC operators will be prepared with several brief questions:

- D-number or Permit #
- Caller name
- Call back #
- Location of road work
- Lane blockage details
- Type of work
- Work start and end time of day

The goal of this effort is to improve safety for motorists and workers. Any questions regarding this bulletin can be directed to Adam Lavine, TMC Manager, at (914) 742-6010 or adam.lavine@dot.ny.gov.

APPROVED BY TOWN OF NORTH CASTLE PLANNING BOARD RESOLUTION , DATED : MAY 8, 2017

CHRISTOPHER CARTHY, CHAIRMAN
TOWN OF NORTH CASTLE PLANNING BOARD
DATE 01/24/2020

PLANS REVIEWED FOR CONFORMANCE TO PLANNING BOARD RESOLUTION:

JOSEPH M. CERMELE, P.E.
KELLAM SESSIONS CONSULTING
CONSULTING TOWN ENGINEERS
DATE 01/23/20

REVISIONS					
2-9-09	TOWN COMMENTS	NG	12-2-16	TOWN COMMENTS	NG/NT
10-5-09	TOWN COMMENTS	NG	1-16-17	TOWN ENGINEER COMMENTS	NG/TA
12-17-09	TOWN COMMENTS	NG	3-28-18	FINAL SUBDIVISION REVIEW	NG/TA
1-11-10	TOWN COMMENTS	NG	10-9-18	FINAL SUBDIVISION REVIEW	NG/TA
2-4-10	TOWN COMMENTS	NG	4-5-19	UPDATED SIGNATURE BLOCK	NG/TA
8-30-16	FINAL SUBDIVISION APPLICATION	NG/TA	DATE:	DESCRIPTION	BY/CK

STATE OF NEW YORK — TIMOTHY S. ALLEN — 22342 — LICENSED PROFESSIONAL ENGINEER
TIMOTHY S. ALLEN, P.E.

MPT PLAN & NYSDOT DETAILS

LEE A. TURET
8 EAST LANE
TOWN OF NORTH CASTLE , WESTCHESTER COUNTY, NY

BIBBO ASSOCIATES, LLP
293 ROUTE 100 SUITE 203
SOMERS, NEW YORK 10589
TEL. 914 277 5805

DATE:	3-3-08
SCALE:	AS SHOWN
FILE:	15 D
DSGN / CHK:	TSA
DRN. BY	NT
SHT NO.	8 OF 8
DWG NO.	MD-1