

TABLE OF MODIFICATIONS

LOT NO	LOT AREA	ESTABLISHED FRONT YARD SETBACK	ESTABLISHED SIDE YARD SETBACK	ESTABLISHED REAR YARD SETBACK	LOT WIDTH AT SETBACK	CORNER LOT SETBACK
1	3,953 S.F.	10'	0'	8'	44.00'	0'
2	2,644 S.F.	10'	0'	8'	75.50'	0'
3	3,507 S.F.	10'	0'	8'	64.80'	0'
4	4,405 S.F.	10'	0'	8'	48.70'	0'
5	4,291 S.F.	10'	0'	8'	48.65'	0'
6	4,268 S.F.	10'	0'	8'	47.98'	0'
7	4,320 S.F.	10'	0'	8'	47.00'	0'
8	4,366 S.F.	10'	0'	8'	46.50'	0'
9	4,751 S.F.	10'	0'	8'	47.60'	0'
10	5,025 S.F.	10'	0'	8'	47.40'	0'
11	4,877 S.F.	10'	0'	8'	39.77'	0'
12	2,710 S.F.	10'	0'	8'	43.71'	0'
13	7,302 S.F.	10'	0'	8'	14.74'	0'
14	6,790 S.F.	10'	0'	8'	15.89'	0'
15	7,217 S.F.	10'	0'	8'	15.60'	0'
16	6,900 S.F.	10'	0'	8'	23.26'	0'
17	4,068 S.F.	10'	0'	8'	43.00'	0'
18	4,097 S.F.	10'	0'	8'	45.50'	0'
19	4,088 S.F.	10'	0'	8'	45.33'	0'
20	4,097 S.F.	10'	0'	8'	45.17'	0'
21	4,097 S.F.	10'	0'	8'	45.00'	0'
22	4,097 S.F.	10'	0'	8'	45.50'	0'
23	4,204 S.F.	10'	0'	8'	45.50'	0'
24	5,800 S.F.	10'	0'	8'	29.94'	0'
25	4,988 S.F.	10'	0'	8'	44.00'	0'
26	5,588 S.F.	10'	0'	8'	29.07'	0'
27	5,563 S.F.	10'	0'	8'	49.28'	0'
28	3,976 S.F.	10'	0'	8'	44.38'	0'
29	3,976 S.F.	10'	0'	8'	44.37'	0'
30	4,076 S.F.	10'	0'	8'	45.50'	0'
31	4,076 S.F.	10'	0'	8'	45.50'	0'
32	3,942 S.F.	10'	0'	8'	44.00'	0'
33	3,976 S.F.	10'	0'	8'	44.38'	0'
34	3,976 S.F.	10'	0'	8'	44.38'	0'
35	4,076 S.F.	10'	0'	8'	45.50'	0'
36	4,076 S.F.	10'	0'	8'	45.50'	0'
37	4,076 S.F.	10'	0'	8'	45.50'	0'
38	4,076 S.F.	10'	0'	8'	45.50'	0'
39	4,294 S.F.	10'	0'	8'	44.00'	0'
40	4,704 S.F.	10'	0'	8'	48.98'	0'
41	4,824 S.F.	10'	0'	8'	48.65'	0'
42	5,050 S.F.	10'	0'	8'	40.50'	0'
43	3,872 S.F.	10'	0'	8'	49.63'	0'
44	4,433 S.F.	10'	0'	8'	40.52'	0'
45	4,591 S.F.	10'	0'	8'	51.53'	0'
46	4,591 S.F.	10'	0'	8'	48.87'	0'
47	5,516 S.F.	10'	0'	8'	64.28'	0'
48	4,242 S.F.	10'	0'	8'	49.81'	0'
49	5,490 S.F.	10'	0'	8'	21.17'	0'
50	3,972 S.F.	10'	0'	8'	44.00'	0'
51	4,112 S.F.	10'	0'	8'	44.00'	0'
52	5,514 S.F.	10'	0'	8'	47.85'	0'
53	3,872 S.F.	10'	0'	8'	44.00'	0'
54	4,988 S.F.	10'	0'	8'	45.50'	0'
55	4,044 S.F.	10'	0'	8'	45.50'	0'
56	5,554 S.F.	10'	0'	8'	50.77'	0'
57	5,246 S.F.	10'	0'	8'	55.66'	0'
58	3,872 S.F.	10'	0'	8'	44.00'	0'
59	3,872 S.F.	10'	0'	8'	44.00'	0'
60	6,674 S.F.	10'	0'	8'	49.00'	0'
61	4,076 S.F.	10'	0'	8'	44.00'	0'
62	4,213 S.F.	10'	0'	8'	45.50'	0'
63	4,056 S.F.	10'	0'	8'	44.89'	0'
64	4,988 S.F.	10'	0'	8'	45.50'	0'
65	3,872 S.F.	10'	0'	8'	44.00'	0'
66	3,888 S.F.	10'	0'	8'	44.00'	0'
67	4,977 S.F.	10'	0'	8'	51.57'	0'
68	3,927 S.F.	10'	0'	8'	44.00'	0'
69	3,927 S.F.	10'	0'	8'	44.00'	0'
70	4,144 S.F.	10'	0'	8'	49.52'	0'
71	4,144 S.F.	10'	0'	8'	49.52'	0'
72	4,112 S.F.	10'	0'	8'	45.50'	0'
73	4,112 S.F.	10'	0'	8'	45.50'	0'
74	4,144 S.F.	10'	0'	8'	49.52'	0'
75	4,144 S.F.	10'	0'	8'	49.52'	0'
76	4,144 S.F.	10'	0'	8'	49.52'	0'
77	4,144 S.F.	10'	0'	8'	49.52'	0'
78	3,976 S.F.	10'	0'	8'	44.00'	0'
79	3,947 S.F.	10'	0'	8'	47.20'	0'
80	4,662 S.F.	10'	0'	8'	43.65'	0'
81	4,793 S.F.	10'	0'	8'	43.60'	0'
82	3,927 S.F.	10'	0'	8'	44.00'	0'
83	4,825 S.F.	10'	0'	8'	48.57'	0'
84	4,213 S.F.	10'	0'	8'	45.50'	0'
85	4,213 S.F.	10'	0'	8'	45.50'	0'
86	4,074 S.F.	10'	0'	8'	44.00'	0'
87	4,977 S.F.	10'	0'	8'	49.87'	0'
88	4,023 S.F.	10'	0'	8'	45.44'	0'
89	4,023 S.F.	10'	0'	8'	45.44'	0'
90	4,023 S.F.	10'	0'	8'	45.50'	0'
91	3,960 S.F.	10'	0'	8'	44.00'	0'
92	4,080 S.F.	10'	0'	8'	45.33'	0'
93	4,080 S.F.	10'	0'	8'	45.34'	0'
94	4,080 S.F.	10'	0'	8'	45.33'	0'
95	4,080 S.F.	10'	0'	8'	45.34'	0'
96	4,080 S.F.	10'	0'	8'	45.33'	0'
97	4,080 S.F.	10'	0'	8'	45.34'	0'
98	3,960 S.F.	10'	0'	8'	44.00'	0'
99	-----	20'	50'	35'	-----	-----

SURVEYOR
 ALL LOTS IN THIS DEVELOPMENT COMPLY FULLY WITH THE ZONING REQUIREMENTS OF R-40 RESIDENCE ZONING DISTRICT IN RESPECT TO AREA AND WIDTH EXCEPT AS MODIFIED IN CHART SHOWN ON THIS SHEET.
 HEREIN I CERTIFY THAT THE WATER SUPPLY (S) AND SEWAGE DISPOSAL SYSTEMS (S) FOR THIS PROJECT WERE DESIGNED BY ME OR UNDER MY DIRECTION, BASED UPON A CAREFUL AND THOROUGH STUDY OF THE SOIL, SITE AND GROUNDWATER CONDITIONS. ALL LOTS AS PROPOSED CONFORM TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES CONSTRUCTION STANDARDS IN EFFECT AS OF THIS DATE.

JOSEPH M. PETITO P.L.S. LIC. NO. 050335-F

ENGINEER:
 I HEREBY CERTIFY THAT THE WATER SUPPLY (S) AND SEWAGE DISPOSAL SYSTEMS (S) FOR THIS PROJECT WERE DESIGNED BY ME OR UNDER MY DIRECTION, BASED UPON A CAREFUL AND THOROUGH STUDY OF THE SOIL, SITE AND GROUNDWATER CONDITIONS. ALL LOTS AS PROPOSED CONFORM TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES CONSTRUCTION STANDARDS IN EFFECT AS OF THIS DATE.

THOMAS C. DIXON P.E. LIC. NO. 60973

SITE DATA:

AREA OF SITE:	126.14 ACRES
NORTH PARCEL:	5.49 ACRES
AREA IN HOMEOWNER'S ASSOC. LOTS:	7.05 ACRES
AREA IN GOLF ASSOCIATION LOTS:	113.60 ACRES
TOTAL AREA:	126.14 ACRES
SOUTH PARCEL:	10.66 ACRES
AREA IN WIDENING (DED. TO T.O.H.):	0.01 ACRES
AREA IN HOMEOWNER'S ASSOC. LOTS:	12.32 ACRES
AREA IN GOLF ASSOCIATION LOTS:	5.43 ACRES
TOTAL AREA:	28.42 ACRES
TOTAL SITE AREA:	154.56 ACRES

LOTS
 NORTHWEST: 38 LOTS
 NORTHEAST: 12 LOTS
 SOUTH: 49 LOTS
 TOTAL: 99 LOTS
 ZONE: R-40
 S.C.T.M. 0400-015-01, 3, 1, 3, 2, 11, 12, 19 AND P/O LOT 22
 SCHOOL DISTRICT: NORTHPORT
 WATER DISTRICT: SUFFOLK COUNTY WATER AUTHORITY
 REFUSE DISTRICT: NO. 02 - ALPHA CARTING
 POST OFFICE: NORTHPORT

BOUNDARY INFORMATION WAS COMPILED FROM A TOPOGRAPHIC SURVEY PREPARED BY O'CONNOR-PETITO, LLP DATED JUNE 11, 2012, AND UPDATED DECEMBER 7, 2017

THIS PROPERTY LIES WHOLLY WITHIN ZONE X OF THE FEMA FLOOD INSURANCE RATE MAP. MAP ID 38103C0341 EFFECTIVE DATE 9-25-09. COMMUNITY: TOWN OF HUNTINGTON COMMUNITY NO. 306796 PANEL 341 OF 3626 MAP SUFFIX: H

CONCRETE WALK
 LIMIT OF CLEARING AND GRADING
 SAWCUT W/PAVEMENT TO BE REMOVED
 TEST HOLE
 DRAINAGE ROGELINE
 PROPOSED MONUMENT

- GENERAL NOTES
- NELSON & POPE SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES OR PROCEDURES UTILIZED BY THE CONTRACTOR, NOR FOR THE SAFETY OF THE PUBLIC OR CONTRACTOR'S EMPLOYEES, OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS THAT WILL BE REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT FROM START TO FINISH, INCLUDING BUT NOT LIMITED TO PERMITS FOR MUNICIPAL ROAD AND CURB CUT CONSTRUCTION, GAS, ELECTRIC, TELEPHONE, AND BUILDING CONSTRUCTION. CONTRACTOR SHALL COORDINATE THE REQUIRED UTILITY AND MUNICIPAL INSPECTIONS.
 - LOCATION OF ALL EXISTING UTILITIES SHALL BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION. CONTRACTOR SHALL NOTIFY OWNER PRIOR TO COMMENCING CONSTRUCTION OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD LOCATIONS AND INFORMATION REPRESENTED ON PLAN. FOR DIRECTION OF UTILITY LOCATIONS SHOWN ON THE PLANS IS BASED ON AVAILABLE INFORMATION AND INFORMATION PROVIDED BY OWNER ONLY. CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING AND IDENTIFYING ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS NECESSARY FOR THE REMOVAL AND DISPOSAL OF ANY EXCAVATED AND DEMOLISHED MATERIALS AND DEBRIS.
 - UNDESIRABLE MATERIAL (AS DEFINED IN THE REQUIREMENTS OF THE MUNICIPAL AGENCY HAVING JURISDICTION AND AS A MINIMUM DEFINED IN SECTION 203 OF N.Y.S.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION) UNDER PAVEMENT, WALKS AND CONCRETE SLABS OR AS INDICATED WITHIN THE SITE WORK CONTRACT DOCUMENTS, SHALL BE REMOVED AND REPLACED WITH SELECT GRANULAR MATERIAL.
 - SELECT GRANULAR FILL MATERIAL SHALL BE AS DEFINED IN THE REQUIREMENTS OF THE MUNICIPAL AGENCY HAVING JURISDICTION AND AS A MINIMUM DEFINED IN SECTION 203 OF N.Y.S.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
 - COMPACTOR SHALL CONFORM TO THE REQUIREMENTS OF THE MUNICIPAL AGENCY HAVING JURISDICTION AND AS A MINIMUM DEFINED IN SECTION 203 OF N.Y.S.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
 - ALL EXISTING STRUCTURES AND SITE IMPROVEMENTS SPECIFIED TO BE REMOVED, SHALL BE COMPLETELY REMOVED AND BACKFILLED. BACKFILL TO BE SELECT GRANULAR FILL, COMPACTED TO 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, AS DETERMINED BY MODIFIED PROCTOR TEST, UNLESS OTHERWISE NOTED.
 - DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL UNSUITABLE MATERIAL, SURPLUS MATERIAL AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, TOWN, COUNTY, STATE AND FEDERAL LAWS AND APPLICABLE CODES.
 - ALL MUNICIPAL AGENCIES HAVING JURISDICTION DURING CONSTRUCTION SHALL BE NOTIFIED A MINIMUM OF FORTY-EIGHT (48) HOURS IN ADVANCE OF ALL CONSTRUCTION UNLESS OTHERWISE INDICATED AS A CONDITION OF MUNICIPAL APPROVAL OR PERMIT. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND INSURING ALL NECESSARY MUNICIPAL INSPECTIONS, CONDITIONS OF APPROVAL, AND CERTIFICATIONS ARE PERFORMED AND OBTAINED IN ACCORDANCE TO THE APPLICABLE PERMITS AND MUNICIPAL REQUIREMENTS.
 - INSTALLATION AND SERVICE COORDINATION OF GAS SERVICE IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL WORK SHALL CONFORM, AS A MINIMUM, TO THE REQUIREMENTS OF NATIONAL GRID.
 - INSTALLATION AND SERVICE COORDINATION OF ELECTRIC SERVICE IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL WORK SHALL CONFORM, AS A MINIMUM, TO THE REQUIREMENTS OF NATIONAL GRID.
 - CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS SPECIFICATIONS. SLOPED PAVING, PORCHES, RAMPS, GARAGES, ROOF LEADERS, PRECISE BUILDING DIMENSIONS AND BUILDING UTILITY ENTRANCES.
 - ALL PARKING LOT LIGHTING POLES, LIGHTING FIXTURE CONFIGURATIONS, AND COLOR SHALL BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE, PRIOR TO INSTALLATION. INSTALLATION OF SITE ELECTRIC SHALL BE AS PERMITTED BY OTHERS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL DETAILS NECESSARY FOR THE INSTALLATION OF SIGNS.
 - SPEED BUMPERS, BUMPER STOPS, OR WHEEL STOPS ARE NOT PERMITTED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF EROSION CONTROL MEASURES PROTECTING NEW AND EXISTING IMPROVEMENTS AND ADJACENT PROPERTIES CONFORMING TO THE FEDERAL, STATE, COUNTY, AND LOCAL MUNICIPAL REQUIREMENTS. EROSION CONTROL IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AND IN PLACE PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY. MEASURES SHALL BE MAINTAINED AND MODIFIED AS NECESSARY THROUGHOUT THE IMPROVEMENT CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL ACCEPTANCE OF IMPROVEMENT CONSTRUCTION BY LOCAL MUNICIPALITY HAVING JURISDICTION.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING PERMANENT TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION, IN CONJUNCTION WITH THE LATEST EDITION OF ANY NEW YORK STATE SUPPLEMENTS TO SUCH. THE CONTRACTOR SHALL ADHERE TO ANY ADDITIONAL LOCAL REQUIREMENTS AND/OR CONDITIONS OF ANY MUNICIPAL PERMITS AND THE APPROVED CONTRACTOR DOCUMENTS. THE CONTRACTOR SHALL NOT AMEND EXISTING OR APPROVED TRAFFIC CONTROL DEVICES WITHOUT EXPRESSED WRITTEN APPROVAL OF ANY AGENCIES HAVING JURISDICTION OVER SUCH.
 - ALL DRAINAGE PIPE SHALL BE SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE (CPI) AS MANUFACTURED BY A.O.S. TYPE N-12 SOFT TIGHT PIPE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING HANDICAP ACCESS RAMP IMPROVEMENTS IN ACCORDANCE WITH THE LATEST APPLICABLE FEDERAL, STATE AND LOCAL HANDICAP ACCESSIBILITY REGULATIONS, REQUIREMENTS AND LAWS INCLUDING, BUT NOT LIMITED TO: BUILDING ACCESS, HANDICAP ACCESSIBLE ROUTE, LANDINGS, PARKING, RAILINGS AND SIGNAGE.
 - NOTWITHSTANDING ANYTHING HEREON TO THE CONTRARY, CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF ALL ACCESSIBLE ROUTES TO ALL REQUIRED ACCESSIBLE FIRST FLOOR UNITS AND COMMON AREAS INCLUDING TRASH DISPOSAL AND MAIL PICK-UP STRICTLY IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS INCLUDING, WITHOUT LIMITATION, THE FAIR HOUSING ACT, AMERICANS WITH DISABILITIES ACT (ADA), NEW YORK STATE BUILDING CODE, TOWN AND COUNTY STANDARDS, AND REFERENCE STANDARDS CONTAINED THEREIN. ACCESSIBLE ROUTES SHALL COMPLY WITH THE ACCESSIBILITY DETAILS AND NOTES CONTAINED HEREIN.
 - AS-BUILT DRAINAGE AND AS-BUILT CURB PLANS SHALL BE SUBMITTED TO THE TOWN ENGINEER IN THE PROPER SEQUENCE IN COMPLIANCE WITH SECTION 7.3 OF THE HUNTINGTON TOWN PLANNING BOARD SUBDIVISION AND SITE PLAN REGULATIONS.
 - ALL HANDICAP RAMP, PARKING SPACES AND ACCESS ISLES SHALL BE IN COMPLIANCE WITH THE LATEST BUILDING CODE OF NEW YORK STATE AND ICC/AIS 1171.2003 STANDARDS.
 - PREPARATION OF SOILS AND PLANTINGS SHALL BE ACCORDING TO SPECIFICATIONS SET FORTH UNDER SECTION 8.3 OF THE TOWN OF HUNTINGTON SUBDIVISION AND SITE PLAN REGULATIONS.
 - ALL AREAS THAT HAVE BEEN DISTURBED SHALL BE SEEDDED UNLESS OTHERWISE NOTED.
 - ALL DEBRIS SHALL BE REMOVED IN ACCORDANCE WITH STATE, AND LOCAL REQUIREMENTS.
 - ELEVATIONS REFER TO NAVD 88.
 - BRIGHTLY COLORED CONSTRUCTION FENCE SHALL BE ERRECTED ALONG THE LIMIT OF CLEARING AND GRADING LINE PRIOR TO AND DURING ANY CONSTRUCTION ACTIVITY.
 - ALL IMPROVEMENTS SHALL BE IN CONFORMANCE WITH THE TOWN OF HUNTINGTON PLANNING BOARD SUBDIVISION AND SITE PLAN REGULATIONS.
 - THE PROPOSED GUTTER GRADES (0.50% MIN) SHALL BE ESTABLISHED BY MAINTAINING A CROSS SLOPE OF 1/4" FT. TO 1/2" FT. DOWN FROM THE EDGE OF PAVEMENT WHILE MAINTAINING A MINIMUM GUTTER SLOPE OF 0.01%.
 - ANY UTILITIES REQUIRED TO BE RELOCATED DUE TO INSTALLATION OF THE REQUIRED IMPROVEMENTS SHALL BE RELOCATED AT THE EXPENSE OF THE APPLICANT/DEVELOPER/OWNER.
 - ANY RETAINING WALL 4' OR MORE IN HEIGHT SHALL REQUIRE APPROVAL BY THE TOWN ENGINEER AND A PERMIT ISSUED BY THE DIRECTOR OF BUILDING AND HOUSING. IT IS THE APPLICANT'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS FOR ALL SUCH RETAINING WALL STRUCTURES.
 - ALL DISTURBED SOIL AREAS, EXCLUDING PAVED AREAS AND RECHARGE BASINS, MUST BE COVERED WITH A MINIMUM OF 8" INCHES OF NATIVE TOPSOIL PRIOR TO THE REMOVAL OF EXCESS TOPSOIL. WHEN ADEQUATE SUPPLY OF ON-SITE TOPSOIL IS UNAVAILABLE, THE DEVELOPER SHALL BRING IN TOPSOIL TO PROVIDE A DEPTH OF 6" (MINIMUM). ALL FINISHED GRADE SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE.
 - PRIOR TO THE ISSUANCE OF ANY BUILDING PERMITS A PRE-CONSTRUCTION MEETING WITH THE DEPARTMENT OF ENGINEERING SERVICES SHALL BE SCHEDULED BY THE APPLICANT/OWNER/BUILDER/DEVELOPER.
 - THE DEVELOPER/OWNER SHALL COMPLY WITH ARTICLE XII 198-79E, REMOVAL OF EXCESS TOPSOIL OR OTHER EARTH.
 - CONTRACTOR TO PROVIDE 3" HIGH RAILING ALONG TOP OF RETAINING WALLS WITH A HEIGHT OF 28" AND GREATER ABOVE FINISHED GRADE. RAILINGS SHALL COMPLY WITH SECTION 1013 GUARDS OF THE BCNYS.
 - ALL ROOF DRAIN PIPE TO BE SDR-35.

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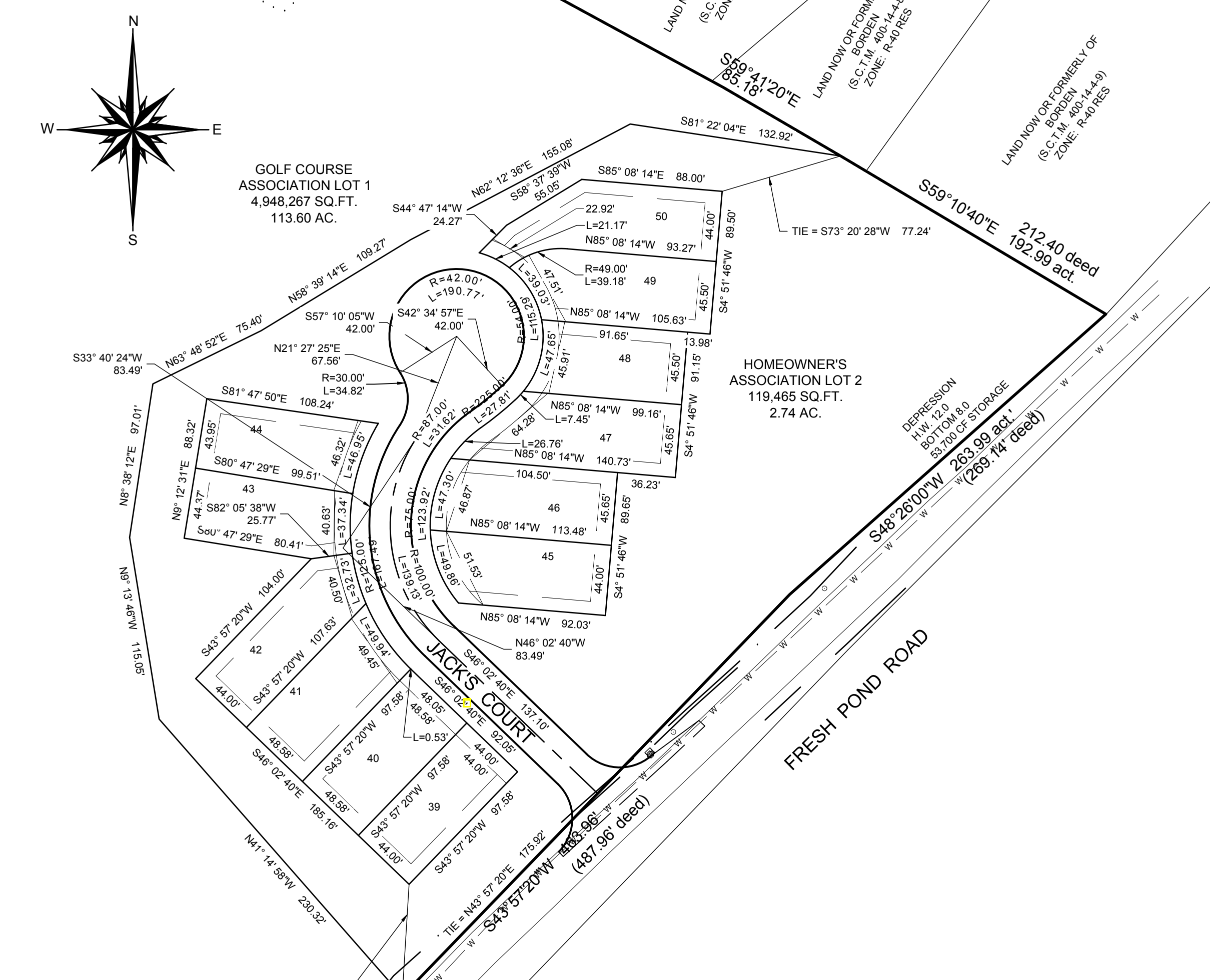
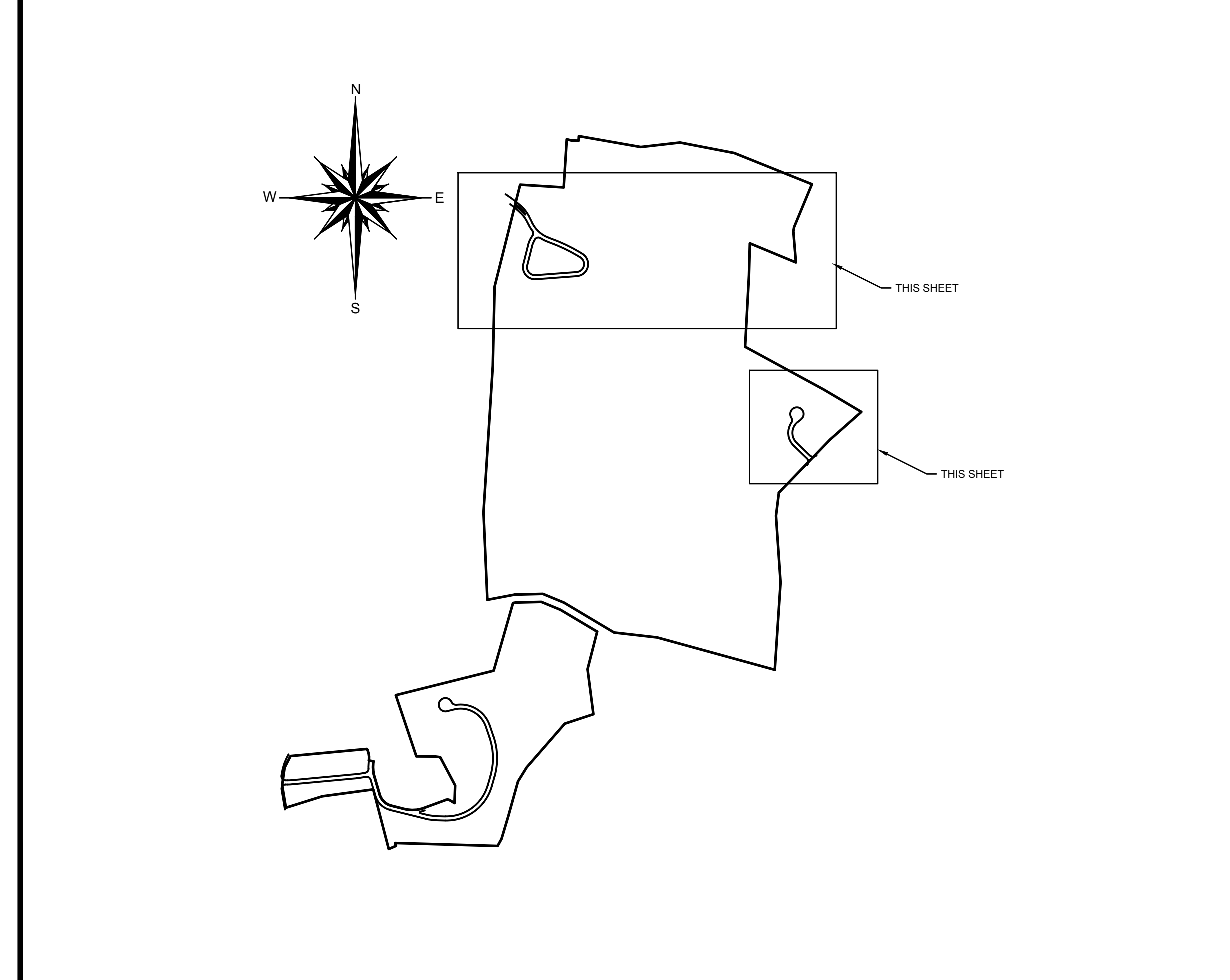
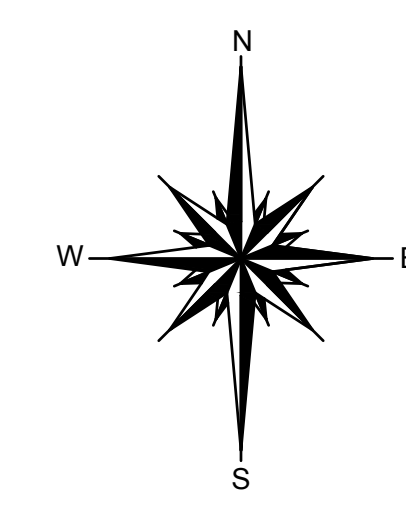
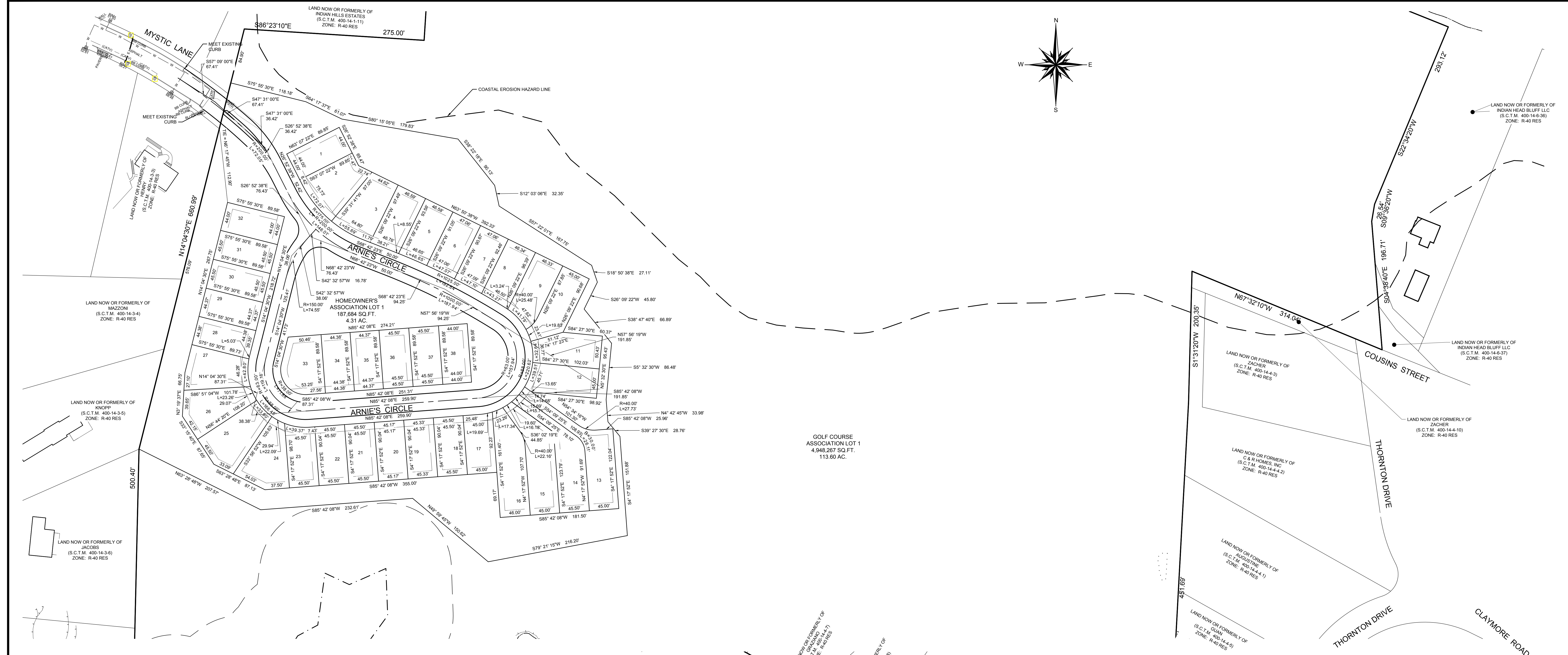
No.	REVISION	DATE
1	REVISE LAYOUT	06-15-2018
2	NO REVISION	DATE

OWNER
 P.I.C.C. INC. AND P.I.C.C. INVESTMENT TRUST
 21 BREZEE HILL ROAD
 NORTHPORT, NY 11788
 (631) 281-2100

OVERALL PLAN
 FOR
 THE PRESERVE AT INDIAN HILLS
 SITUATED AT
 NORTHPORT
 TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
 S.C.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 2, 11, 12, 19 AND P/O 22

NELSON & POPE
 ENGINEERS & SURVEYORS
 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747
 PHONE (631) 427-5665 FAX (631) 427-5620
 WWW.NELSONPOPE.COM

DRAWN BY: GEO CADW NO.: 86047 PM DWG NO.:
 CHECKED BY: JM FILE NO.: 490-914
 DATE: DECEMBER, 2017 PROJECT NO.: 86047 SCALE: 1" = 200'
 SHEET NO.: 1 OF 35



- EXISTING**
- PE (0.00) PAVEMENT ELEVATION
 - TE (0.00) TOP OF CURB ELEVATION
 - BE (0.00) BOTTOM OF CURB ELEVATION
 - SE (0.00) SPOT ELEVATION
 - W (---) WATER
 - G (---) GAS
 - S (---) SANITARY SEWER
 - T (---) TELEPHONE
 - OW (---) OVERHEAD WIRE
 - D (---) DRAINAGE
 - TV (---) TELEVISION
 - WM (---) WATER MAIN
 - WS (---) WATER SERVICE
 - G.M. (---) GAS MAIN
 - CONTOUR
 - E (---) ELECTRIC
 - W (---) WATER
 - G (---) GAS
 - S (---) SANITARY SEWER
 - T (---) TELEPHONE
 - OW (---) OVERHEAD WIRE
 - D (---) DRAINAGE
 - TV (---) TELEVISION
 - WM (---) WATER MAIN
 - WS (---) WATER SERVICE
 - G.M. (---) GAS MAIN
 - MONUMENT
- PROPOSED**
- (TC) (0.00) TOP OF CURB ELEVATION
 - (BC) (0.00) BOTTOM OF CURB ELEVATION
 - SP (0.00) SPOT ELEVATION
 - LP (---) LEACHING POOL
 - CB (---) CATCH BASIN
 - DM (---) DRAINAGE MANHOLE
 - CONTOUR
 - LEACHING POOL W/ OPEN GRATE
 - DRAINAGE BASIN
 - CATCH BASIN
 - (TC - TOP OF CURB BOX)
 - PROPOSED W/ PAVEMENT TO BE REMOVED
 - PROPOSED MONUMENT
 - W (---) WATER
 - WS (---) WATER SERVICE
 - E (---) ELECTRIC
 - G (---) GAS
 - S (---) SANITARY SEWER
 - T (---) TELEPHONE
 - OW (---) OVERHEAD WIRE
 - D (---) DRAINAGE
 - TV (---) TELEVISION
 - WM (---) WATER MAIN
 - WS (---) WATER SERVICE
 - G.M. (---) GAS MAIN
 - CONCRETE WALK
 - LIMIT OF CLEARING AND GRADING DURING CONSTRUCTION
 - PROPOSED W/ PAVEMENT TO BE REMOVED
 - TEST HOLE
 - DRAINAGE RIDGELINE
 - PROPOSED MONUMENT

1. REVISE LAYOUT		06-15-2018
No.	REVISION	DATE

OWNER
 P.C.C. INC. AND
 ROBBERG REVOCABLE TRUST
 21 BREEZE HILL ROAD
 NORTHPORT, NY, 11788
 (631) 261-5700

APPLICANT:
 THE PRESERVE AT INDIAN HILLS
 1 RABRO DRIVE, SUITE 100
 HAUPPAUGE, N.Y. 11788
 (631) 351-4500

ALIGNMENT PLAN - NORTH PARCEL
 FOR
THE PRESERVE AT INDIAN HILLS
 SITUATED AT
 NORTHPORT
 TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
 S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 19 AND PJO 22

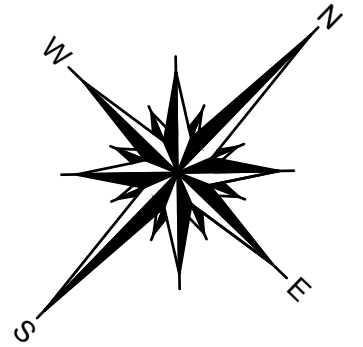
NELSON & POPE
 ENGINEERS & SURVEYORS
 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747
 PHONE (631) 427-5665 FAX (631) 427-5620
 WWW.NELSONPOPE.COM

SCALE: 1" = 60'

DRAWN BY: GEO CADD No.: 86047 PM DWG. SCALE: DRAWING No.:
 CHECKED BY: JM FILE No.: 400-014 1"=60' C-101
 DATE: DECEMBER, 2017 PROJECT No.: 86047 SHEET No.: 2 of 35

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

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MAKAMAH ROAD
BREEZE HILL ROAD
GREENKNOLL COURT
MAJOR TRESSCOT LANE
FRESH POND ROAD
HAYES HILL DRIVE
WYSLIC LANE
LONG ISLAND SOUND
THORNTON DRIVE
CLAMORE ROAD
COUSINS STREET

(1) LAND NOW OR FORMERLY OF BERGME (S.C.T.M. 400-15-1-20) ZONE: R-40 RES

(2) LAND NOW OR FORMERLY OF BUBARIS (S.C.T.M. 400-15-1-17) ZONE: R-40 RES

(3) LAND NOW OR FORMERLY OF BERG (S.C.T.M. 400-15-1-18) ZONE: R-40 RES

(4) LAND NOW OR FORMERLY OF UNKNOWN OWNER (S.C.T.M. 400-15-1-22) ZONE: R-40 RES

(5) LAND NOW OR FORMERLY OF FEDERICO (S.C.T.M. 400-15-1-4) ZONE: R-40 RES

REVOCALE LIVING TRUST (S.C.T.M. 400-15-1-11) ZONE: R-40 RES

REVOCALE LIVING TRUST (S.C.T.M. 400-15-1-21) ZONE: R-40 RES

ALL EXISTING STRUCTURES, PAVEMENT, SANITARY STRUCTURES TO BE REMOVED

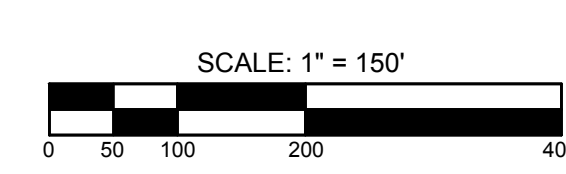
EXISTING STRUCTURES, PAVEMENT, FENCE AND SANITARY STRUCTURES TO BE REMOVED

TO REMAIN

LIMIT OF CLEARING

COASTAL EROSION HAZARD LINE

- EXISTING**
- 100.00 PAVEMENT ELEVATION
 - 1000.00 TOP OF CURB ELEVATION
 - 800.00 BOTTOM OF CURB ELEVATION
 - 800.00 SPOT ELEVATION
 - 100.00 ELECTRIC BOX
 - 100.00 FULL BOX
 - 100.00 FIRE HYDRANT
 - 100.00 GAS VALVE
 - 100.00 WATER VALVE
 - 100.00 TRANSFORMER
 - 100.00 ELECTRIC POLE
 - 100.00 LIGHT POLE
 - 100.00 HIGH TENSION TOWER
 - 100.00 WATER MAIN
 - 100.00 WATER SERVICE
 - 100.00 GAS MAIN
 - 100.00 CONTOUR
 - 100.00 ELECTRIC
 - 100.00 WATER
 - 100.00 GAS
 - 100.00 FENCE
 - 100.00 SANITARY SEWER
 - 100.00 TELEPHONE
 - 100.00 OVERHEAD WIRE
 - 100.00 DRAINAGE
 - 100.00 TELEVISION
 - 100.00 DRAINAGE MANHOLE
 - 100.00 CATCH BASIN
 - 100.00 TREE TO BE REMOVED
 - 100.00 TREE TO REMAIN
 - 100.00 MONUMENT



No.	REVISION	DATE
1	REVISE LAYOUT	06-15-2018

OWNER
R.C.C. INC. AND
ROBERG REVOCABLE TRUST
21 BREEZE HILL ROAD
NORTHPORT, NY, 11788
(631) 261-5700

APPLICANT:
THE PRESERVE AT INDIAN HILLS
1 RABRO DRIVE, SUITE 100
HAUPPAUGE, N.Y. 11788
(631) 361-4000

EXISTING FEATURES DEMOLITION PLAN
FOR
THE PRESERVE AT INDIAN HILLS
SITUATED AT
NORTHPORT
TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 19 AND PLO 22

Thomson

DRAWN BY: GEO
CHECKED BY: JM
DATE: DECEMBER, 2017

N&P NELSON & POPE
ENGINEERS & SURVEYORS
572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747
PHONE (631) 427-5665 FAX (631) 427-5620
WWW.NELSONPOPE.COM

CADD No.: 86047 PM DWG
FILE NO.: 400-014
PROJECT NO.: 86047

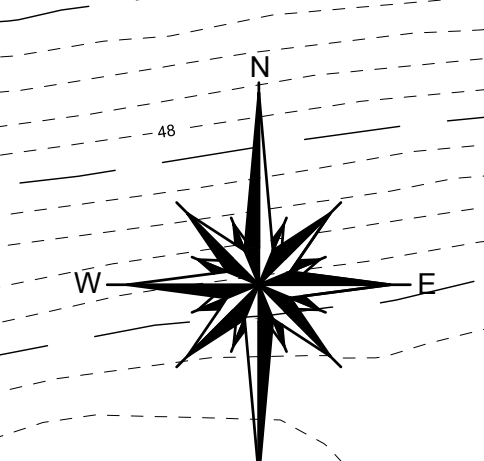
SCALE: 1"=150'
DRAWING NO.: C-103
SHEET NO. 4 OF 35

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

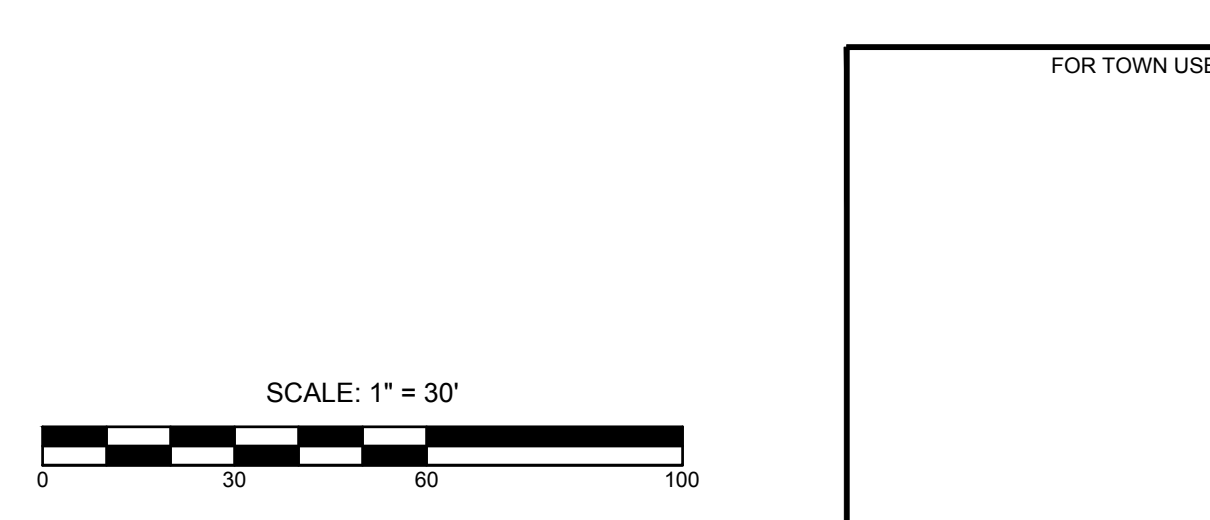
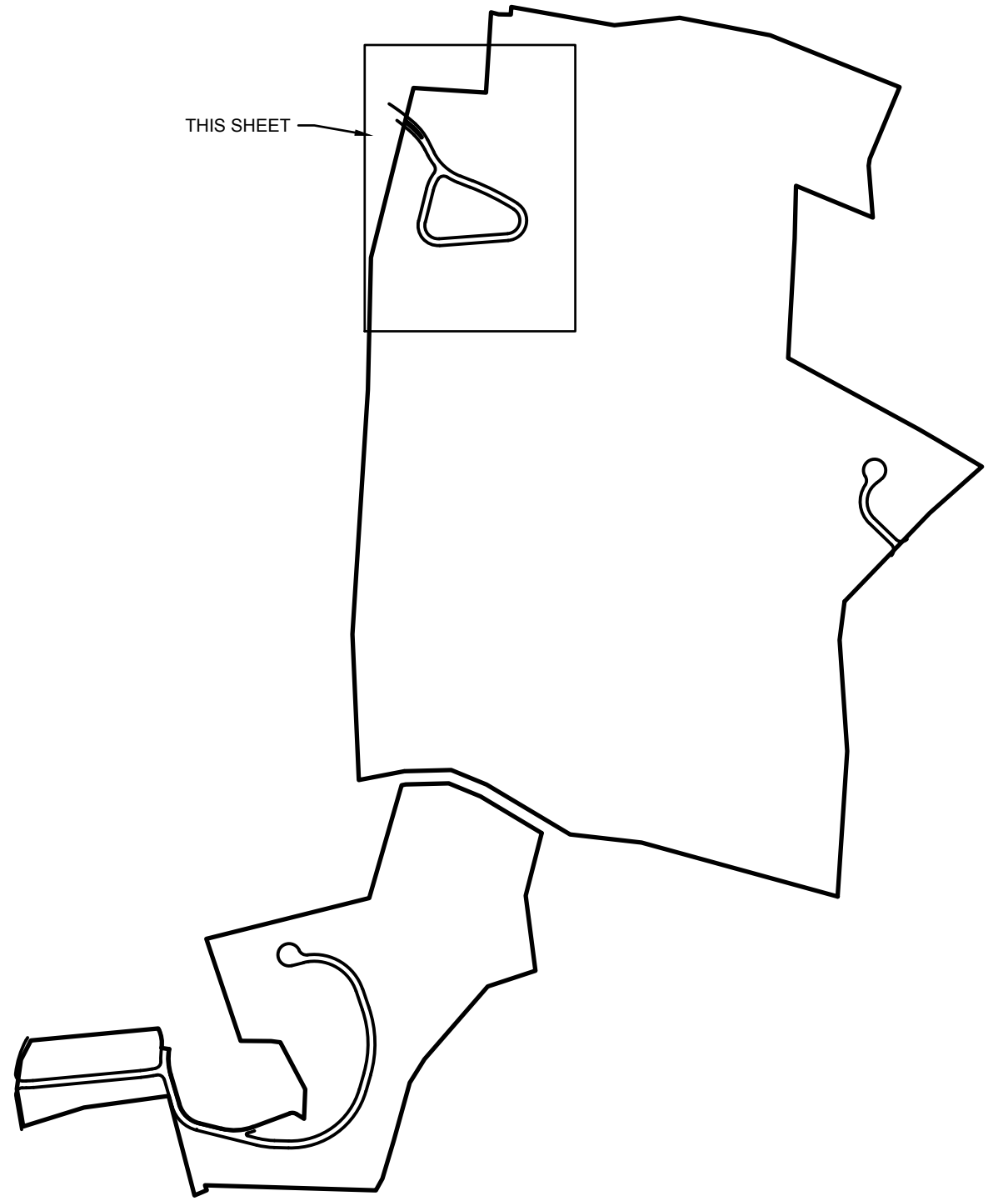
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- EXISTING**
- PAVEMENT ELEVATION
 - TOP OF CURB ELEVATION
 - BOTTOM OF CURB ELEVATION
 - SPOT ELEVATION
 - ELECTRIC BOX
 - FULL BOX
 - FIRE HYDRANT
 - GAR VALVE
 - WATER VALVE
 - TRANSFORMER
 - ELECTRIC POLE
 - LIGHT POLE
 - HIGH TENSION TOWER
 - WATER MAIN
 - WATER SERVICE
 - GAS MAIN
- PROPOSED**
- CONTOUR
 - ELECTRIC
 - WATER
 - GAS
 - FENCE
 - SANITARY SEWER
 - TELEPHONE
 - OVERHEAD WIRE
 - DRAINAGE
 - TELEVISION
 - DRAINAGE MANHOLE
 - CATCH BASIN
 - DECIDUOUS TREE TO REMAIN
 - EVERGREEN TREE TO REMAIN
 - MONUMENT
- PROPOSED**
- TOP OF CURB ELEVATION
 - BOTTOM OF CURB ELEVATION
 - SPOT ELEVATION
 - LEACHING POOL
 - CATCH BASIN
 - SANITARY MANHOLE
 - DRAINAGE MANHOLE
 - CONTOUR
 - LEACHING POOL W/ OPEN GRATE
 - LEACHING POOL W/ SOLID COVER
 - DRAINAGE BASIN
 - CATCH BASIN (T.C. TOP OF CURB BOX)
 - HYDRANT
 - STREET TREE W/ SYMBOL
 - TEST HOLE
 - DRAINAGE REDEVELOPMENT
 - PROPOSED MONUMENT

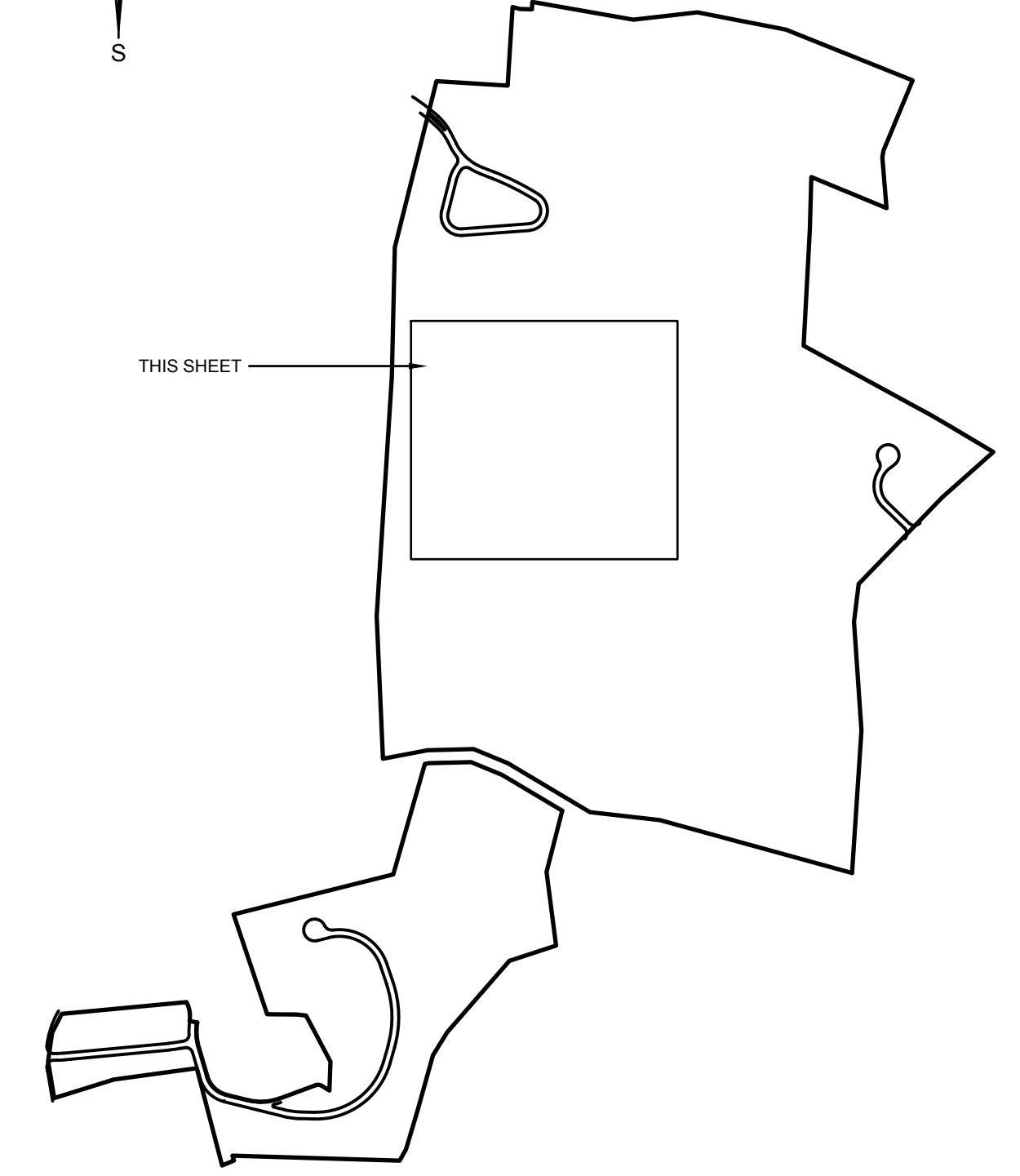
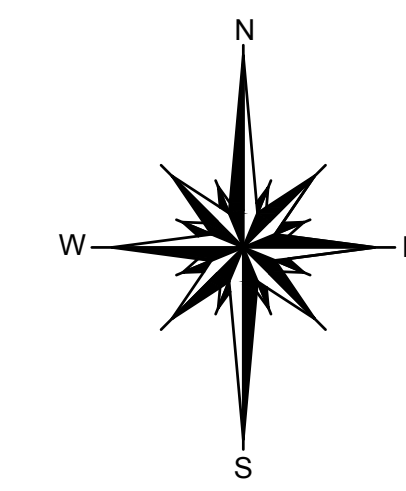


IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.



1. REVISE LAYOUT No. REVISION DATE		06-15-2018 DATE	
OWNER P.L.C.C. INC. AND ROSEBUD REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY 11788 (631) 261-5700		GRADING PLAN 1 FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 19 AND PLO 22	
APPLICANT: THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 351-4500		NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM	
DRAWN BY: GEO CHECKED BY: JM DATE: DECEMBER, 2017	CADD No.: 86047 PM DWG FILE No.: 400-014 PROJECT No.: 86047	SCALE: 1"=30' SHEET No. 5 OF 35	DRAWING No.: C-104

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.



THIS SHEET

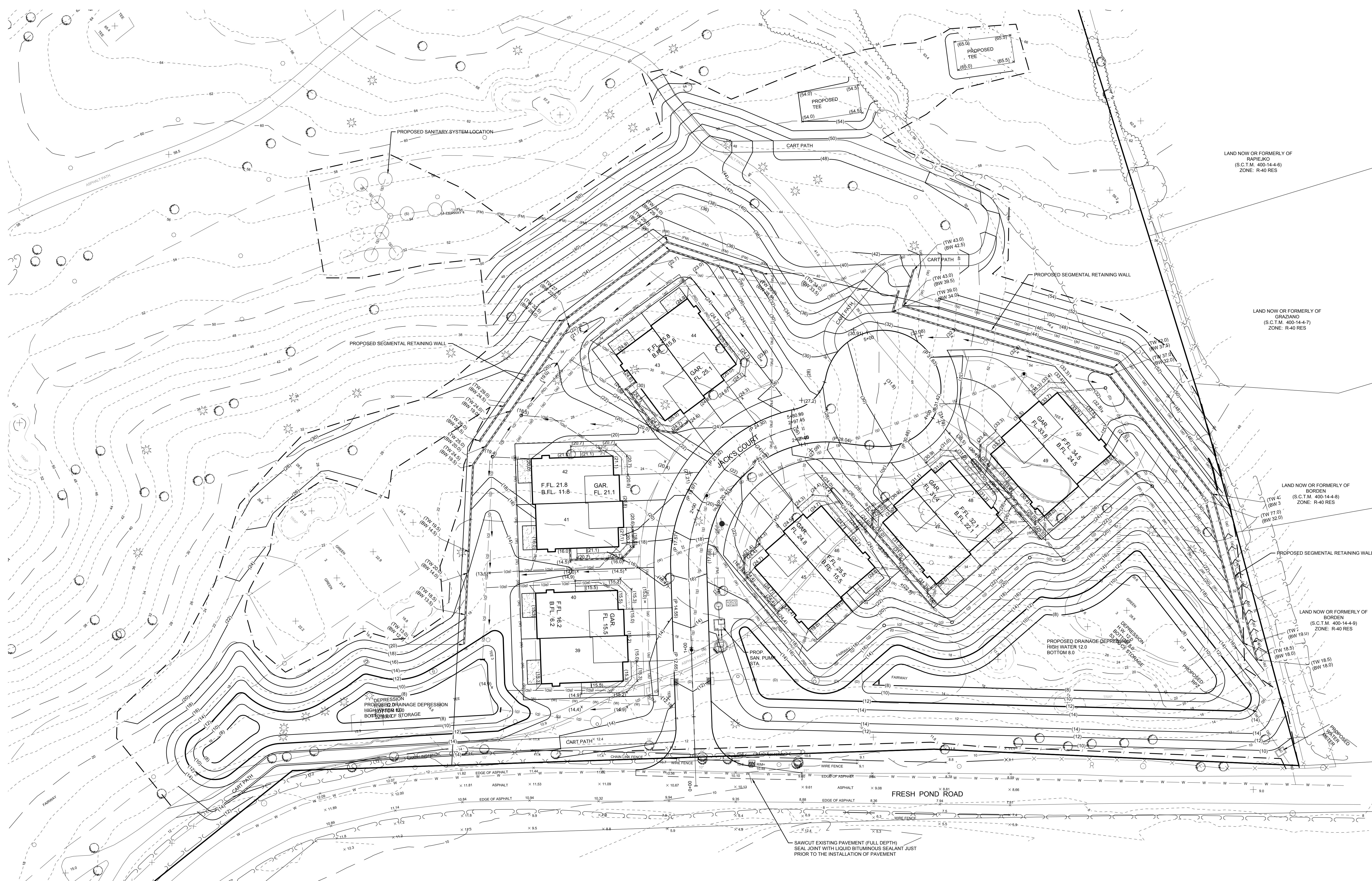
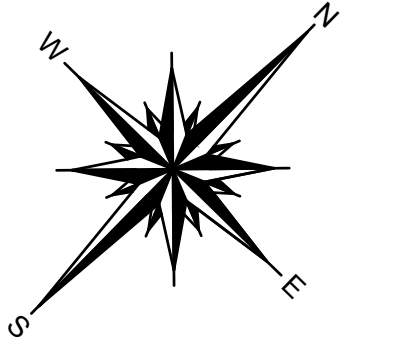
- EXISTING**
- CONTOUR
 - ELECTRIC
 - WATER
 - GAS
 - FENCE
 - SANITARY SEWER
 - TELEPHONE
 - OVERHEAD WIRE
 - DRAINAGE
 - TELEVISION
 - DRAINAGE MANHOLE
 - CATCH BASIN
 - TREE TO BE REMOVED
 - DECIDUOUS TREE TO REMAIN
 - EVERGREEN TREE TO REMAIN
 - MONUMENT
- PROPOSED**
- TOP OF CURB ELEVATION
 - BOTTOM OF CURB ELEVATION
 - SPOT ELEVATION
 - LEACHING POOL
 - CATCH BASIN
 - SANITARY MANHOLE
 - DRAINAGE MANHOLE
 - CONTOUR
 - LEACHING POOL W/ OPEN GRATE
 - LEACHING POOL W/ SOLID COVER
 - DRAINAGE BASIN
 - CATCH BASIN
 - TOP OF CURB BOX
 - HYDRANT
 - STREET TREE W/ DRYWELL
 - (W) WATER
 - (F) FIRE SERVICE
 - (WS) WATER SERVICE
 - (E) ELECTRIC
 - (G) GAS
 - (S) SANITARY HOUSE CONNECTION
 - (D) DRAINAGE
 - (RO) ROOF DRAIN
 - (T) TELEPHONE
 - (CATV) TELEVISION
 - CONCRETE WALK
 - LIMIT OF CLEARING AND GRADING
 - CURBING CONSTRUCTION
 - SAWCUT W/ PAVEMENT TO BE REMOVED
 - TEST HOLE
 - DRAINAGE RIDGELINE
 - PROPOSED MONUMENT

SCALE: 1" = 40'

FOR TOWN USE

<p>1. REVISE LAYOUT 06-15-2018</p> <p>No. REVISION DATE</p>	
<p>OWNER P.R.C.C. INC. AND ROBBERG REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY, 11788 (631) 261-5700</p>	<p>GRADING PLAN 2 FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 16 AND PLO 22</p>
<p>APPLICANT: THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 351-4500</p>	<p>NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM</p>
<p>DRAWN BY: GEO CADD No.: 86047 PM DWG SCALE: 1"=40'</p> <p>CHECKED BY: JM FILE NO.: 400-014</p> <p>DATE: DECEMBER, 2017 PROJECT NO.: 86047</p>	<p>DRAWING NO.: C-105 SHEET NO. 6 OF 35</p>





LAND NOW OR FORMERLY OF
RAPIEKO
(S.C.T.M. 400-14-4-6)
ZONE: R-40 RES

LAND NOW OR FORMERLY OF
GRAZIANO
(S.C.T.M. 400-14-4-7)
ZONE: R-40 RES

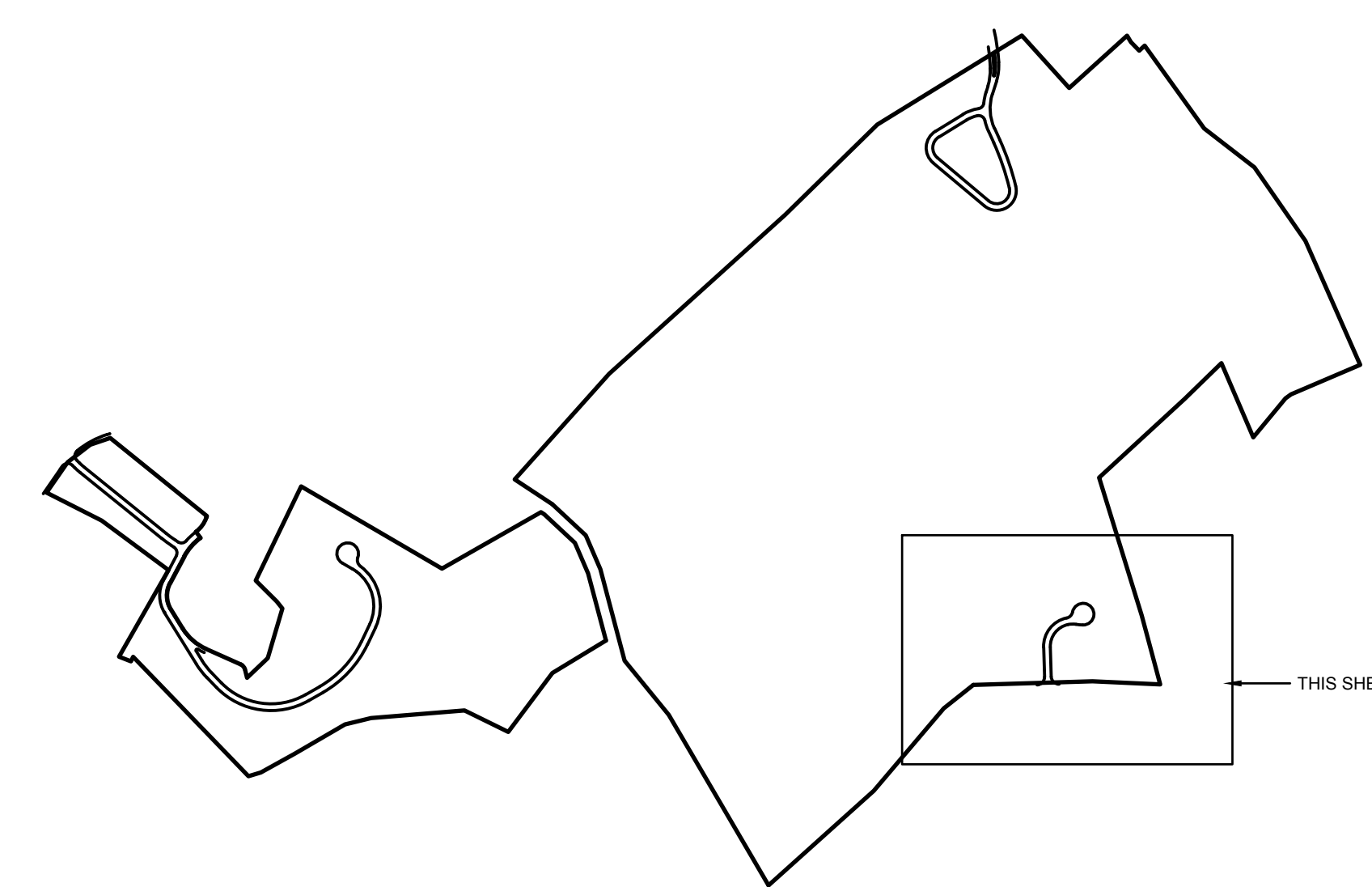
LAND NOW OR FORMERLY OF
BORDEN
(S.C.T.M. 400-14-4-8)
ZONE: R-40 RES

LAND NOW OR FORMERLY OF
BORDEN
(S.C.T.M. 400-14-4-9)
ZONE: R-40 RES

FRESH POND ROAD

SAWCUT EXISTING PAVEMENT (FULL DEPTH)
SEAL JOINT WITH LIQUID BITUMINOUS SEALANT JUST
PRIOR TO THE INSTALLATION OF PAVEMENT

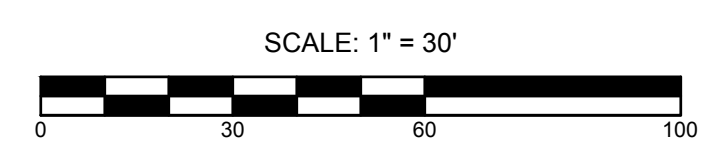
EXISTING		PROPOSED	
PEL	PAVEMENT ELEVATION	(W)	WATER
PEL 2	TOP OF CURB ELEVATION	(F)	FIRE SERVICE
PEL 3	BOTTOM OF CURB ELEVATION	(W)	WATER SERVICE
SPOT	SPOT ELEVATION	(E)	ELECTRIC
CB	CATCH BASIN	(G)	GAS
SMH	SANITARY MANHOLE	(S)	SANITARY SEWER
DMH	DRAINAGE MANHOLE	(T)	TELEPHONE
(---)	CONTOUR	(OHW)	OVERHEAD WIRE
(---)	LEACHING POOL W/ OPEN GRATE	(D)	DRAINAGE
(---)	LEACHING POOL W/ SOLID COVER	(RO)	ROOF DRAIN
(---)	DRAINAGE BASIN	(T)	TELEPHONE
(---)	CATCH BASIN	(GATV)	GAS VALVE
(---)	HYDRANT	(---)	CONCRETE WALK
(---)	STREET TREE	(---)	LIMIT OF CLEARING AND GRADING
(---)	W/ SYMBOL	(---)	BURNING CONSTRUCTION
		(---)	SAWCUT TO PAVEMENT TO BE REMOVED
		(---)	TEST HOLE
		(---)	DRAINAGE RIDGELINE
		(---)	PROPOSED MONUMENT

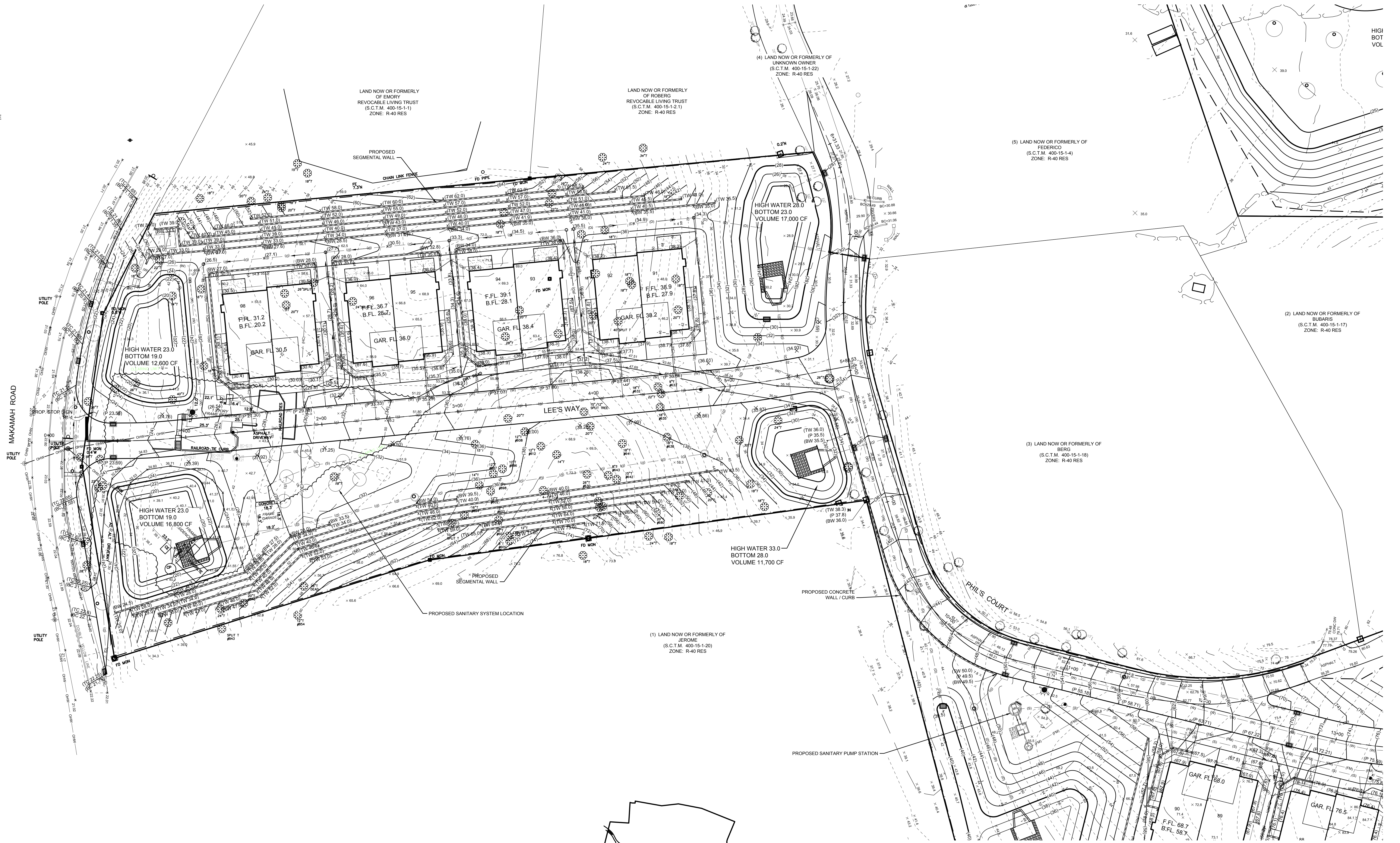
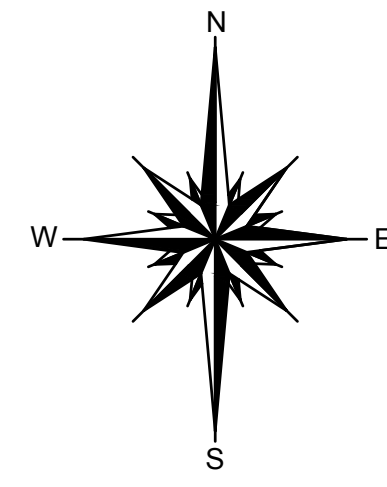


THIS SHEET

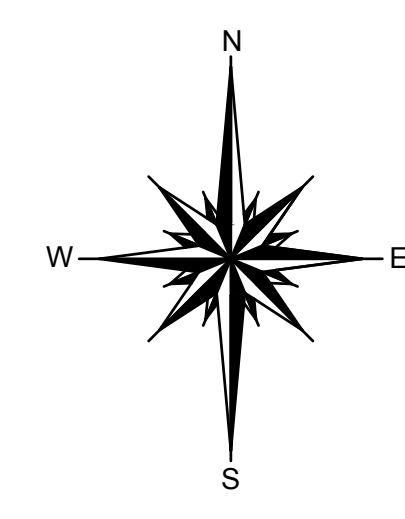
FOR TOWN USE	
1. REVISE LAYOUT	06-15-2018
No. REVISION	DATE
OWNER: P.R.C.C. INC. AND PROBING REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY, 11788 (631) 261-5700	
APPLICANT: THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 351-4000	
GRADING PLAN 5 FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 19 AND PLO 22	
NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM	
DRAWN BY: GEO CHECKED BY: JM DATE: DECEMBER, 2017	CADD No.: 86047 PM DWG FILE NO.: 400-014 PROJECT NO.: 86047 SCALE: 1"=30' DRAWING NO.: C-108 SHEET NO.: 9 of 35

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.





- EXISTING**
- 0.00' — PAVEMENT ELEVATION
 - 0.00' — TOP OF CURB ELEVATION
 - 0.00' — BOTTOM OF CURB ELEVATION
 - 0.00' — SPOT ELEVATION
 - 0.00' — ELECTRIC BOX
 - 0.00' — PULL BOX
 - 0.00' — FIRE HYDRANT
 - 0.00' — GAS VALVE
 - 0.00' — WATER VALVE
 - 0.00' — TRANSFORMER
 - 0.00' — ELECTRIC POLE
 - 0.00' — LIGHT POLE
 - 0.00' — HIGH TENSION TOWER
 - 0.00' — WATER MAIN
 - 0.00' — W.S.
 - 0.00' — WATER SERVICE
 - 0.00' — GAS MAIN
 - 0.00' — CONTOUR
 - 0.00' — ELECTRIC
 - 0.00' — WATER
 - 0.00' — GAS
 - 0.00' — FENCE
 - 0.00' — SANITARY SEWER
 - 0.00' — TELEPHONE
 - 0.00' — OVERHEAD WIRE
 - 0.00' — DRAINAGE
 - 0.00' — TELEVISION
 - 0.00' — DRAINAGE MANHOLE
 - 0.00' — CATCH BASIN
 - 0.00' — TREE TO BE REMOVED
 - 0.00' — DECIDUOUS TREE TO REMAIN
 - 0.00' — EVERGREEN TREE TO REMAIN
 - 0.00' — MONUMENT
- PROPOSED**
- (TCB 20) — TOP OF CURB ELEVATION
 - (BCB 15) — BOTTOM OF CURB ELEVATION
 - (S) — SPOT ELEVATION
 - (L) — LEACHING POOL
 - (CB) — CATCH BASIN
 - (DMH) — DRAINAGE MANHOLE
 - (CONTOUR) — CONTOUR
 - (L) — LEACHING POOL W/ OPEN GRATE
 - (L) — LEACHING POOL W/ SOLID COVER
 - (DR) — DRAINAGE BASIN
 - (CB) — CATCH BASIN
 - (TC - TOP OF CURB BOX) — HYDRANT
 - (T) — STREET TREE
 - (S) — W/S SYMBOL
 - (W) — WATER
 - (F) — FIRE SERVICE
 - (W) — WATER SERVICE
 - (E) — ELECTRIC
 - (G) — GAS
 - (X) — FENCE
 - (S) — SANITARY HOUSE CONNECTION
 - (D) — DRAINAGE
 - (R) — ROOF DRAIN
 - (T) — TELEPHONE
 - (TV) — TELEVISION
 - (C) — CONCRETE WALK
 - (R) — RAINING CONSTRUCTION
 - (S) — SAWCUT W/ PAVEMENT TO BE REMOVED
 - (T) — TEST HOLE
 - (D) — DRAINAGE RIDGELINE
 - (M) — PROPOSED MONUMENT



THIS SHEET



IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

1. REVISE LAYOUT No. REVISION DATE		06-15-2018 DATE	
OWNER P.C.C. INC. AND ROBERG REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY, 11788 (631) 261-5700		GRADING PLAN 6 FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 19 AND PJO 22	
APPLICANT THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 351-4500		NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM	
DRAWN BY: GEO CHECKED BY: JM DATE: DECEMBER, 2017	CADD No.: 86047 PM DWG FILE NO.: 400-014 PROJECT NO.: 86047	SCALE: 1"=30' DRAWING NO.: C-109 SHEET NO. 10 OF 35	FOR TOWN USE



(5) LAND NOW OR FORMERLY OF
FEDERICO
(S.C.T.M. 400-15-14)
ZONE: R-40 RES

(2) LAND NOW OR FORMERLY OF
BUBARIS
(S.C.T.M. 400-15-17)
ZONE: R-40 RES

(3) LAND NOW OR FORMERLY OF
BERG
(S.C.T.M. 400-15-18)
ZONE: R-40 RES

LAND NOW OR FORMERLY OF
GREENFIELD
(S.C.T.M. 400-15-14)
ZONE: R-40 RES

LAND NOW OR FORMERLY OF
SHARFATO
(S.C.T.M. 400-15-15)
ZONE: R-40 RES

(1) LAND NOW OR FORMERLY OF
JEROME
(S.C.T.M. 400-15-20)
ZONE: R-40 RES

LAND NOW OR FORMERLY OF
BOZZELLA
(S.C.T.M. 400-15-3-2)
ZONE: R-40 RES

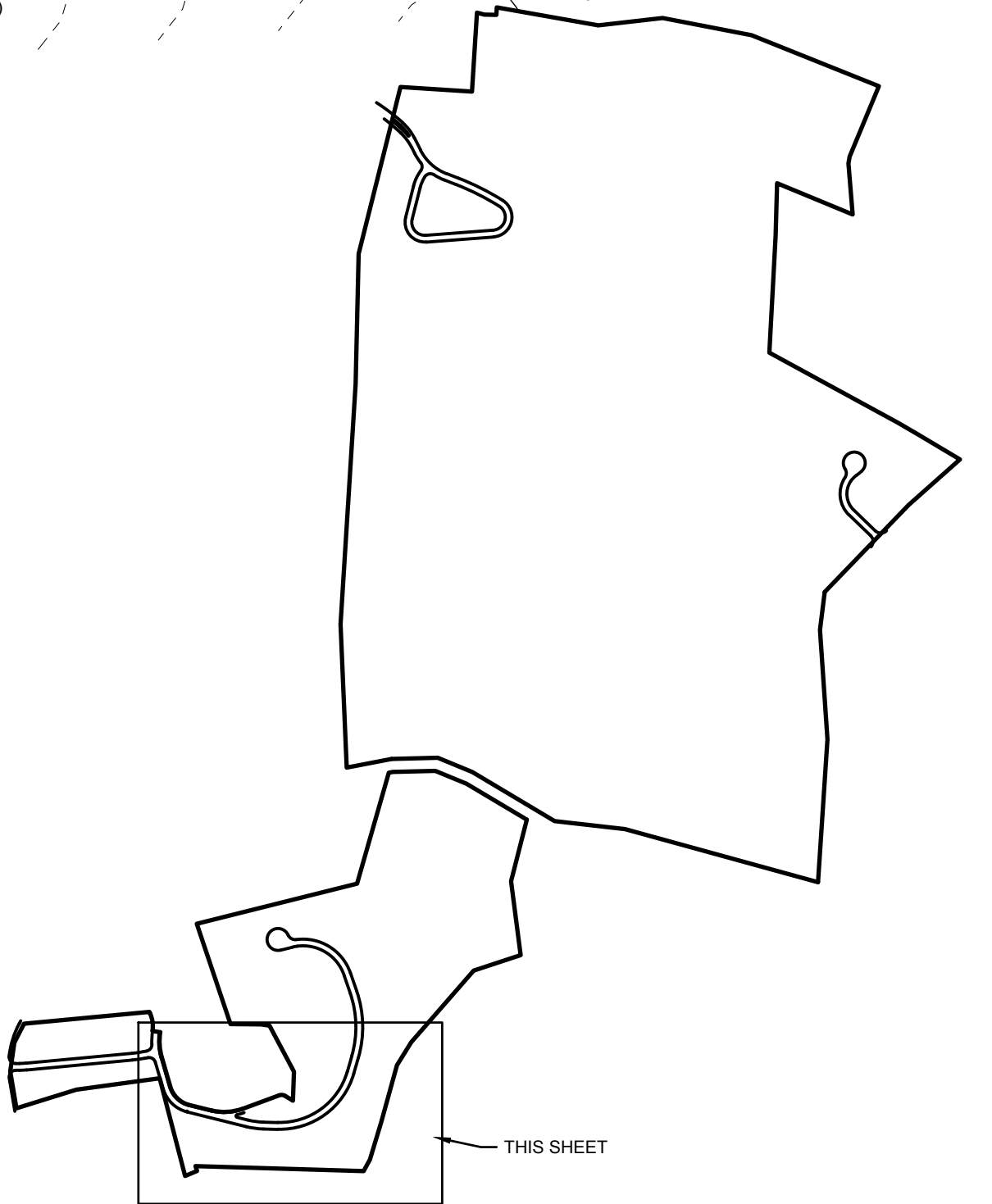
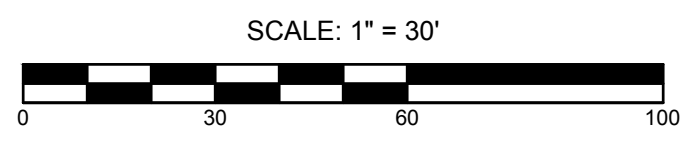
LAND NOW OR FORMERLY OF
DANTONI
(S.C.T.M. 400-15-3-16)
ZONE: R-40 RES

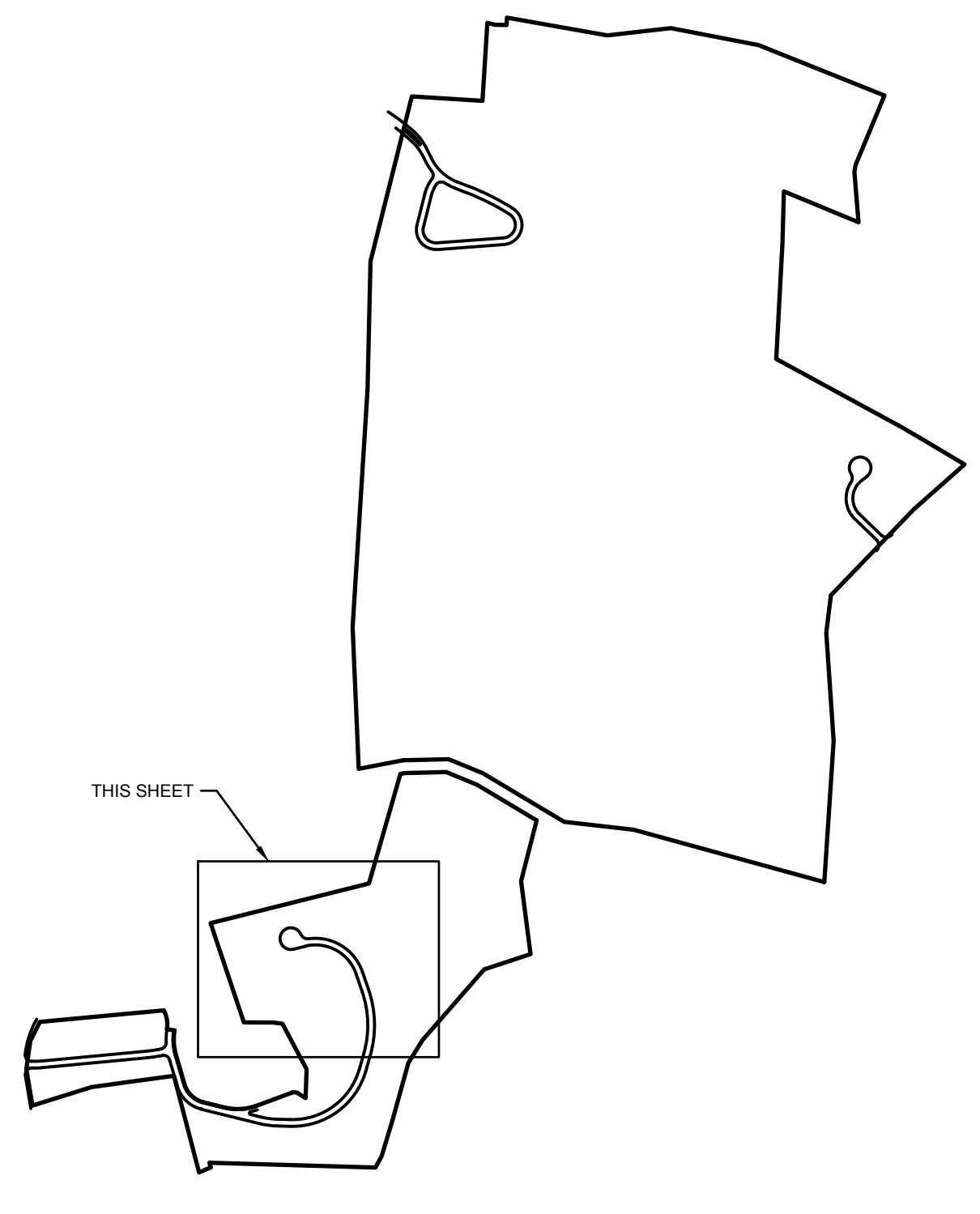
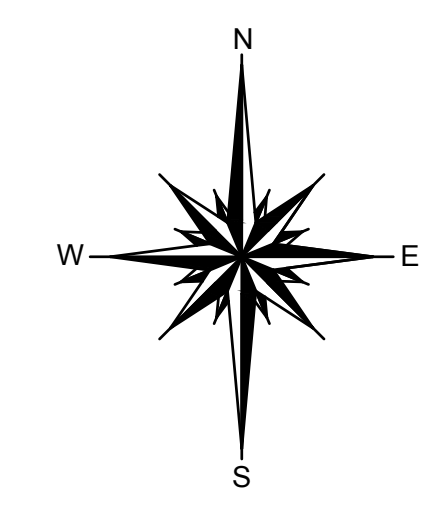
HIGH WATER 40.0
BOTTOM 36.0
VOLUME 19,200 CF

EXISTING		PROPOSED	
96.20	PAVEMENT ELEVATION	(W)	WATER
96.25	TOP OF CURB ELEVATION	(WS)	FIRE SERVICE
96.30	BOTTOM OF CURB ELEVATION	(W)	WATER SERVICE
96.35	SPOT ELEVATION	(E)	ELECTRIC
96.40	ELECTRIC BOX	(G)	GAS
96.45	PULL BOX	(F)	FENCE
96.50	FIRE HYDRANT	(S)	SANITARY SEWER
96.55	GAS VALVE	(T)	TELEPHONE
96.60	WATER VALVE	(D)	OVERHEAD WIRE
96.65	TRANSFORMER	(D)	DRAINAGE
96.70	ELECTRIC POLE	(CATV)	TELEVISION
96.75	LIGHT POLE	(C)	DRAINAGE MANHOLE
96.80	HIGH TENSION TOWER	(CB)	CATCH BASINS
96.85	WATER MAIN	(T)	TREE TO BE REMOVED
96.90	WATER SERVICE	(D)	DECIDUOUS TREE TO REMAIN
96.95	GAS MAIN	(E)	EVERGREEN TREE TO REMAIN
		(M)	MONUMENT
(TCB 20)	TOP OF CURB ELEVATION	(W)	WATER
(BCB 3)	BOTTOM OF CURB ELEVATION	(WS)	FIRE SERVICE
(W)	SPOT ELEVATION	(W)	WATER SERVICE
(E)	LEACHING POOL	(E)	ELECTRIC
(G)	CATCH BASIN	(G)	GAS
(DMH)	SANITARY MANHOLE	(F)	FENCE
(DMH)	DRAINAGE MANHOLE	(S)	SANITARY HOUSE CONNECTION
(CONTOUR)	CONTOUR	(D)	DRAINAGE
(L)	LEACHING POOL W/ OPEN GRATE	(RD)	ROOF DRAIN
(L)	LEACHING POOL W/ SOLID COVER	(T)	TELEPHONE
(D)	DRAINAGE BASIN	(CATV)	TELEVISION
(C)	CATCH BASIN	(C)	DRAINAGE MANHOLE
(TC - TOP OF CURB BOX)	HYDRANT	(CB)	CATCH BASIN
(T)	STREET TREE	(T)	TREE TO BE REMOVED
(W)	W/SYMBOL	(D)	DECIDUOUS TREE TO REMAIN
		(E)	EVERGREEN TREE TO REMAIN
		(M)	MONUMENT

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

1. REVISE LAYOUT No. REVISION DATE		06-15-2018 DATE	
OWNER P.C.C. INC. AND ROBERTS REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY 11768 (631) 261-5700			
APPLICANT: THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 351-4000			
GRADING PLAN 7 FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 3.1, 11, 12, 15, 19 AND PLO 22			
		NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM	
DRAWN BY: GEO CHECKED BY: JM DATE: DECEMBER, 2017	CADD No.: 86047 PM DWG FILE No.: 400-014 PROJECT No.: 86047	SCALE: 1"=30' 1"=30' SCALE:	DRAWING No.: C-110 SHEET No. 11 OF 35





EXISTING

PAVEMENT ELEVATION	—	CONTOUR	—
TOP OF CURB ELEVATION	—	ELECTRIC	—
BOTTOM OF CURB ELEVATION	—	WATER	—
SPOT ELEVATION	•	GAS	—
ELECTRIC BOX	⊕	FENCE	—
PULL BOX	⊙	TELEPHONE	—
FIRE HYDRANT	⊕	OVERHEAD WIRE	—
GAS VALVE	⊕	DRAINAGE	—
WATER VALVE	⊕	TELEVISION	—
TRANSFORMER	⊕	DRAINAGE MANHOLE	⊕
ELECTRIC POLE	⊕	CATCH BASINS	⊕
LIGHT POLE	⊕	TREE TO BE REMOVED	⊕
HIGH TENSION TOWER	⊕	DECIDUOUS TREE TO REMAIN	⊕
W.M.	—	EVERGREEN TREE TO REMAIN	⊕
W.S.	—	MONUMENT	⊕
G.M.	—		

PROPOSED

(TC) (2) (5)	TOP OF CURB ELEVATION	(W)	WATER
(BC) (3)	BOTTOM OF CURB ELEVATION	(F)	FIRE SERVICE
(4) (2)	SPOT ELEVATION	(WS)	WATER SERVICE
(L) (3)	LEACHING POOL	(E)	ELECTRIC
(C) (3)	CATCH BASIN	(G)	GAS
(SM)	SANITARY MANHOLE	(X)	FENCE
(DM)	DRAINAGE MANHOLE	(S)	SANITARY HOUSE CONNECTION
(C)	CONTOUR	(D)	DRAINAGE
(L) (3)	LEACHING POOL W/ OPEN GRATE	(RD)	ROOF DRAIN
(L) (3)	LEACHING POOL W/ SOLID COVER	(TV)	TELEPHONE
(L) (3)	DRAINAGE BASIN	(CATV)	TELEVISION
(C) (3)	CATCH BASIN	(C)	CONCRETE WALK
(TC) (2) (5)	TOP OF CURB BOX	(L)	LIMIT OF CLEARING AND GRADING
(H)	HYDRANT	(S)	SAWCUT W/ PAVEMENT TO BE REMOVED
(T)	STREET TREE	(T)	TEST HOLE
(W)	W/ SYMB	(R)	DRAINAGE RODLINE
		(M)	PROPOSED MONUMENT

No.	REVISION	DATE
1	REVISE LAYOUT	06-15-2018

OWNER
 P.C.C. INC. AND
 PRESERVE REVOCABLE TRUST
 21 BREZZE HILL ROAD
 NORTHPORT, NY, 11788
 (631) 261-5700

APPLICANT:
 THE PRESERVE AT INDIAN HILLS
 1 RABRO DRIVE, SUITE 100
 HAUPPAUGE, N.Y. 11788
 (631) 351-4000

GRADING PLAN 8
 FOR
THE PRESERVE AT INDIAN HILLS
 SITUATED AT
NORTHPORT
 TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
 S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 16, 19 AND PJO 22

NELSON & POPE
 ENGINEERS & SURVEYORS
 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747
 PHONE (631) 427-5665 FAX (631) 427-5620
 WWW.NELSONPOPE.COM

DRAWN BY: GEO CADD No.: 86047 PM DWG SCALE: DRAWING NO.:
 CHECKED BY: JM FILE NO.: 400-014 1"=30' C-111
 DATE: DECEMBER, 2017 PROJECT NO.: 86047 SHEET NO. 12 OF 35

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

(7) LAND NOW OR FORMERLY OF LEWIS (S.C.T.M. 400-15-1-5) ZONE: R-40 RES

LAND NOW OR FORMERLY OF CLERKE (S.C.T.M. 400-15-1-6) ZONE: R-40 RES

LAND NOW OR FORMERLY OF CAMERON (S.C.T.M. 400-15-1-7) ZONE: R-40 RES

LAND NOW OR FORMERLY OF RENDONNE (S.C.T.M. 400-15-1-8) ZONE: R-40 RES

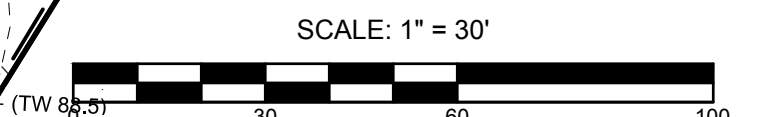
LAND NOW OR FORMERLY OF MONTIQUO (S.C.T.M. 400-15-1-9) ZONE: R-40 RES

LAND NOW OR FORMERLY OF 2222 (S.C.T.M. 400-15-1-10) ZONE: R-40 RES

(5) LAND NOW OR FORMERLY OF FEDERICO (S.C.T.M. 400-15-1-4) ZONE: R-40 RES

(3) LAND NOW OR FORMERLY OF BERG (S.C.T.M. 400-15-1-18) ZONE: R-40 RES

(2) LAND NOW OR FORMERLY OF BURKIS (S.C.T.M. 400-15-1-17) ZONE: R-40 RES



LONG ISLAND SOUND

LONG ISLAND SOUND

LAND NOW OR FORMERLY OF
INDIAN HILLS ESTATES
(S.C.T.M. 400-14-1-11)
ZONE: R-40 RES

LAND NOW OR FORMERLY OF
INDIAN HEAD BLUFF LLC
(S.C.T.M. 400-14-6-30)
ZONE: R-40 RES

LAND NOW OR FORMERLY OF
ZACHER
(S.C.T.M. 400-14-4-10)
ZONE: R-40 RES

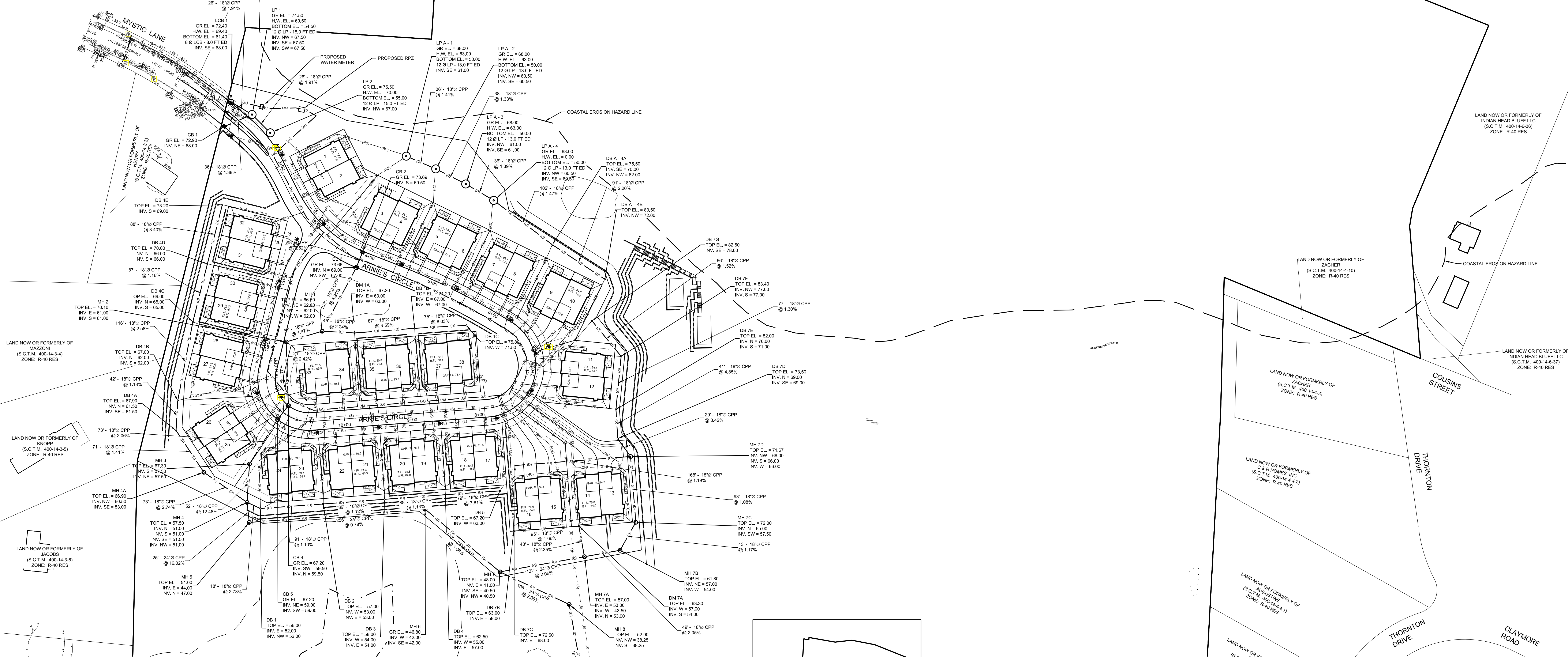
LAND NOW OR FORMERLY OF
INDIAN HEAD BLUFF LLC
(S.C.T.M. 400-14-6-37)
ZONE: R-40 RES

LAND NOW OR FORMERLY OF
ZACHER
(S.C.T.M. 400-14-4-3)
ZONE: R-40 RES

LAND NOW OR FORMERLY OF
C & R HOMES, INC.
(S.C.T.M. 400-14-4-2)
ZONE: R-40 RES

LAND NOW OR FORMERLY OF
ADJUSTABLE
(S.C.T.M. 400-14-4-1)
ZONE: R-40 RES

LAND NOW OR FORMERLY OF
GUAN
(S.C.T.M. 400-14-4-4)
ZONE: R-40 RES



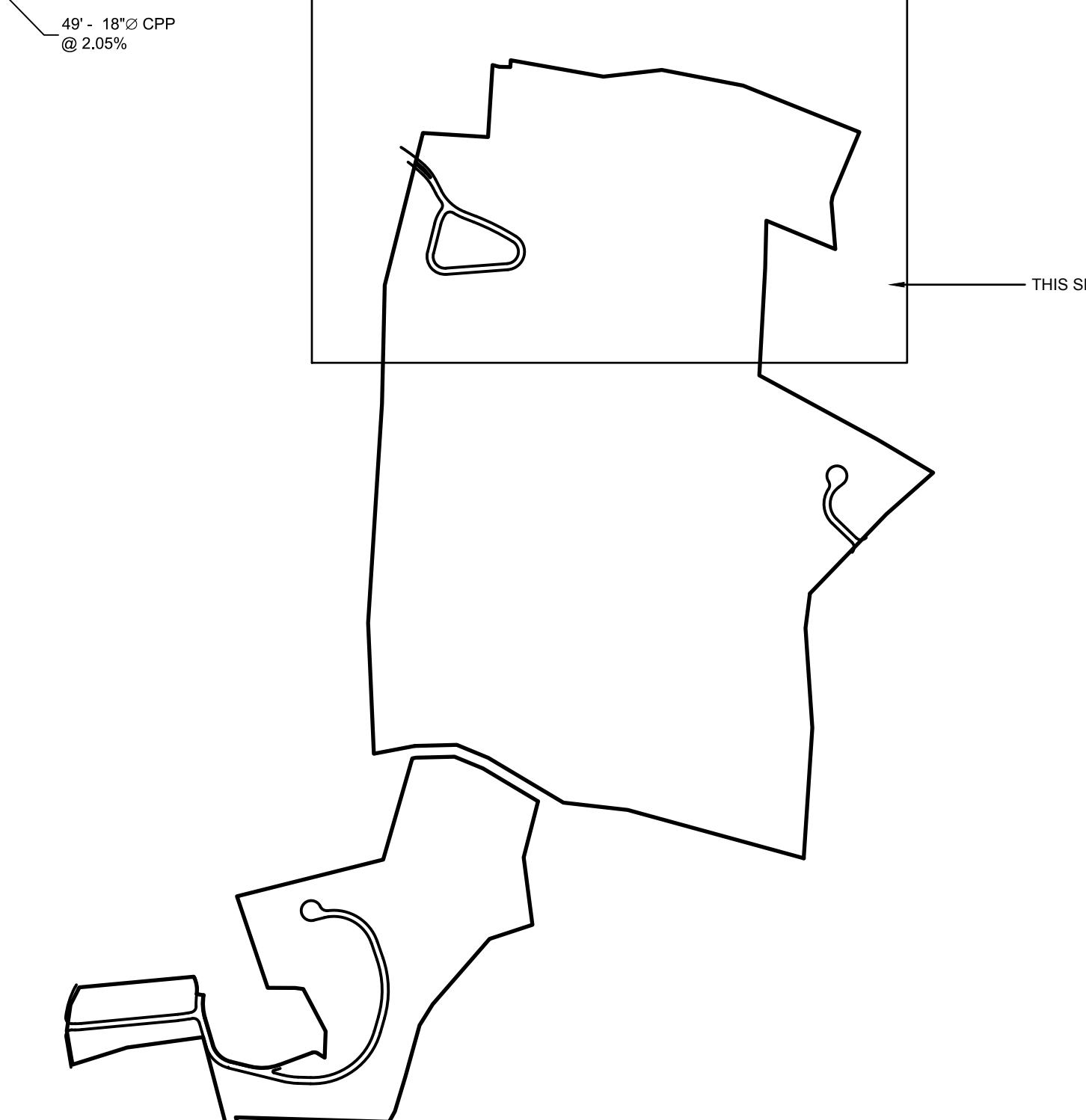
LAND NOW OR FORMERLY OF
MAZZONI
(S.C.T.M. 400-14-3-4)
ZONE: R-40 RES

LAND NOW OR FORMERLY OF
KNOPP
(S.C.T.M. 400-14-3-5)
ZONE: R-40 RES

LAND NOW OR FORMERLY OF
JACOBS
(S.C.T.M. 400-14-3-6)
ZONE: R-40 RES

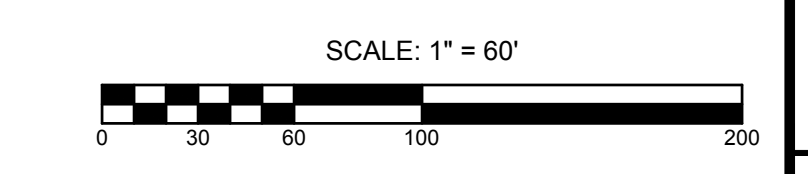
LAND NOW OR FORMERLY OF
SPEN
(S.C.T.M. 400-14-3-7)
ZONE: R-40 RES

EXISTING		PROPOSED	
100.00	PAVEMENT ELEVATION	(W)	WATER
100.00	TOP OF CURB ELEVATION	(F)	FIRE SERVICE
100.00	BOTTOM OF CURB ELEVATION	(W)	WATER SERVICE
100.00	SPOT ELEVATION	(E)	ELECTRIC
100.00	ELECTRIC BOX	(G)	GAS
100.00	PULL BOX	(X)	FENCE
100.00	FIRE HYDRANT	(S)	SANITARY SEWER
100.00	GAS VALVE	(T)	TELEPHONE
100.00	WATER VALVE	(OHV)	OVERHEAD WIRE
100.00	TRANSFORMER	(D)	DRAINAGE
100.00	ELECTRIC POLE	(R)	ROOF DRAIN
100.00	LEADING POLE	(T)	TELEPHONE
100.00	LIGHT POLE	(CATV)	TELEVISION
100.00	HIGH TENSION TOWER	(C)	CONCRETE WALK
100.00	WATER MAIN	(L)	LIMIT OF CLEARING AND GRADING
100.00	WATER SERVICE	(D)	DRAINAGE RIDGELINE
100.00	GAS MAIN	(S)	SANITARY W/PAVEMENT TO BE REMOVED
100.00		(M)	MONUMENT
(TCR) 00	TOP OF CURB ELEVATION	(W)	WATER
(BCR) 00	BOTTOM OF CURB ELEVATION	(F)	FIRE SERVICE
(W) 00	WATER SERVICE	(W)	WATER SERVICE
(E) 00	ELECTRIC	(E)	ELECTRIC
(G) 00	GAS	(G)	GAS
(X) 00	FENCE	(X)	FENCE
(S) 00	SANITARY SEWER	(S)	SANITARY SEWER CONNECTION
(T) 00	TELEPHONE	(D)	DRAINAGE
(OHV) 00	OVERHEAD WIRE	(R)	ROOF DRAIN
(D) 00	DRAINAGE	(T)	TELEPHONE
(R) 00	ROOF DRAIN	(CATV) 00	TELEVISION
(T) 00	TELEPHONE	(C)	CONCRETE WALK
(CATV) 00	TELEVISION	(L)	LIMIT OF CLEARING AND GRADING
(C) 00	CONCRETE WALK	(D)	DRAINAGE RIDGELINE
(L) 00	LIMIT OF CLEARING AND GRADING	(S)	SANITARY W/PAVEMENT TO BE REMOVED
(D) 00	DRAINAGE RIDGELINE	(M)	MONUMENT
(S) 00	SANITARY W/PAVEMENT TO BE REMOVED		
(M) 00	MONUMENT		



OWNER P.C.C. INC. AND ROBBING REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY, 11768 (631) 261-5700		UTILITY PLAN 1 FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 014, BLK. 01, LOTS 3, 1, 12, 11, 10, 15 AND PLO 22	
APPLICANT: THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 351-4500		NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM	
DRAWN BY: GEO CHECKED BY: JM DATE: DECEMBER, 2017	CADD No.: 86047 PM DWG FILE NO.: 400-014 PROJECT NO.: 86047	SCALE: 1"=60' SHEET NO. 13 OF 35	DATE: DECEMBER, 2017 PROJECT NO.: 86047

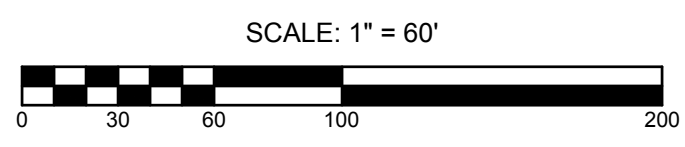
IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

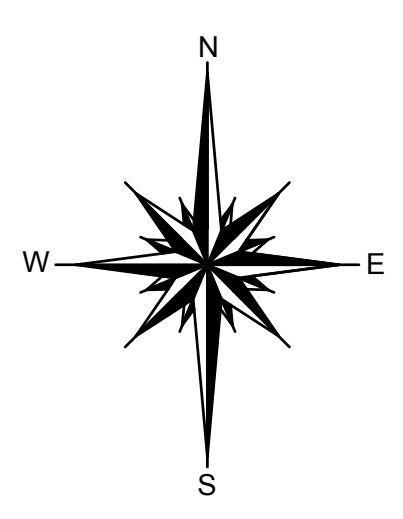




IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

OWNER P.R.C.C. INC. AND PROBING REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY, 11788 (631) 261-5700		UTILITY PLAN 2 FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 015, BLK. 03, LOTS 3, 1, 2, 11, 12, 16, 19 AND PLO 22	
APPLICANT: THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 351-4500		NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM	
1 REVISE LAYOUT No. REVISION DATE	06-15-2018 DATE	DRAWN BY: GEO CHECKED BY: JM DATE: DECEMBER, 2017	CADD No.: 86047 PM.DWG FILE NO.: 490-014 PROJECT NO.: 86047 SCALE: 1"=60' DRAWING NO.: C-113 SHEET NO. 14 OF 35





LAND NOW OR FORMERLY OF (S.C.T.M. 400-14-312) ZONE: R-40 RES

LAND NOW OR FORMERLY OF (S.C.T.M. 400-14-313) ZONE: R-40 RES

LAND NOW OR FORMERLY OF (S.C.T.M. 400-14-314) ZONE: R-40 RES

LAND NOW OR FORMERLY OF (S.C.T.M. 400-14-328) ZONE: R-40 RES

LAND NOW OR FORMERLY OF (S.C.T.M. 400-15-1-10) ZONE: R-40 RES

LAND NOW OR FORMERLY OF (S.C.T.M. 400-15-1-9) ZONE: R-40 RES

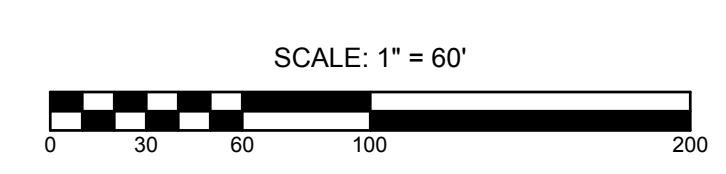
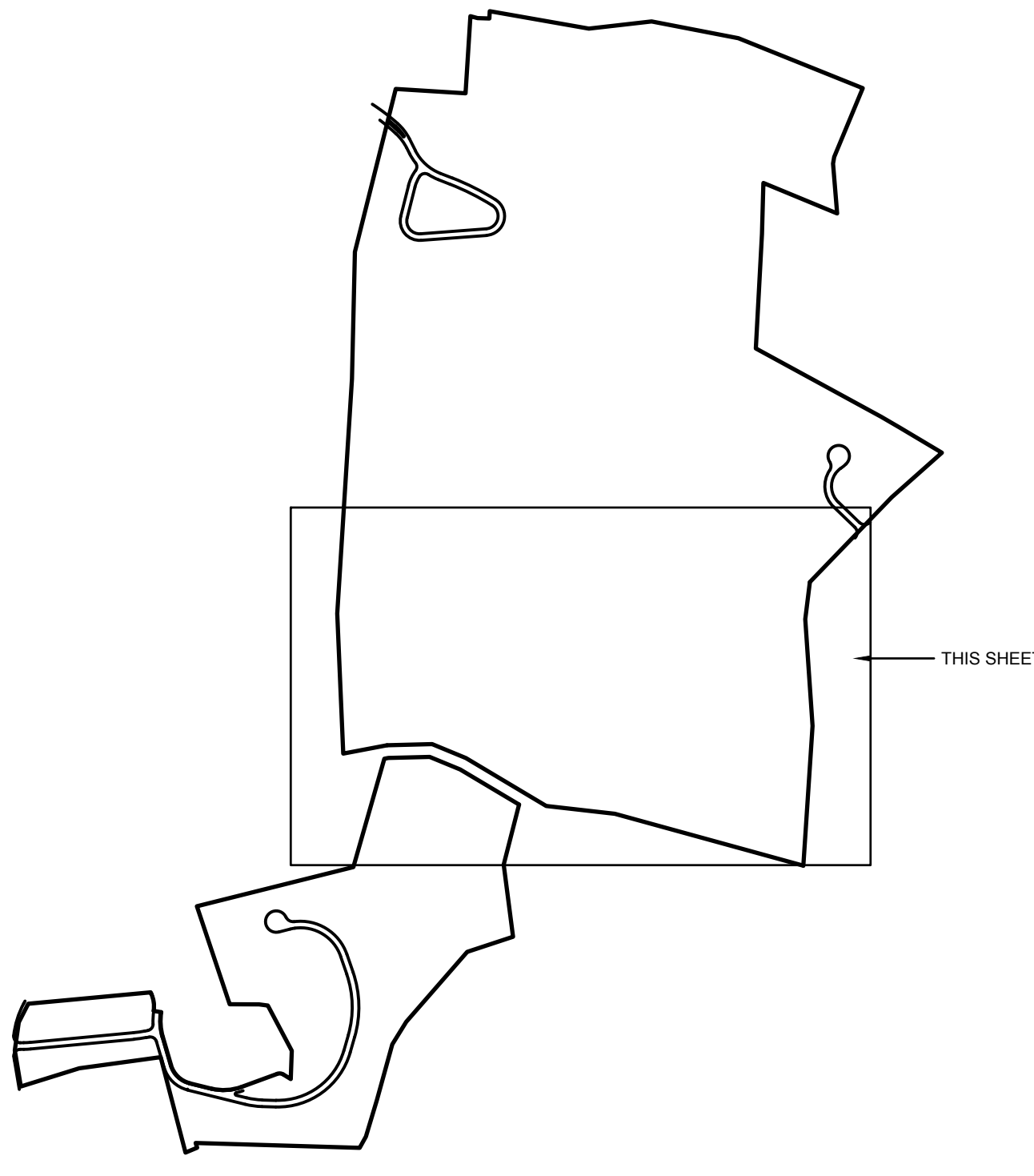
APPROXIMATE LOCATION OF PROPOSED CLUBHOUSE

LAND NOW OR FORMERLY OF (S.C.T.M. 400-15-2-1) ZONE: R-40 RES

DB 9 GR EL. = 50.40

99 254,400 SQ. FT. 5.84 ACRES

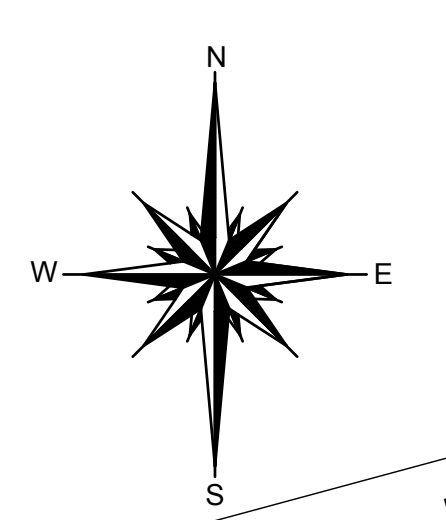
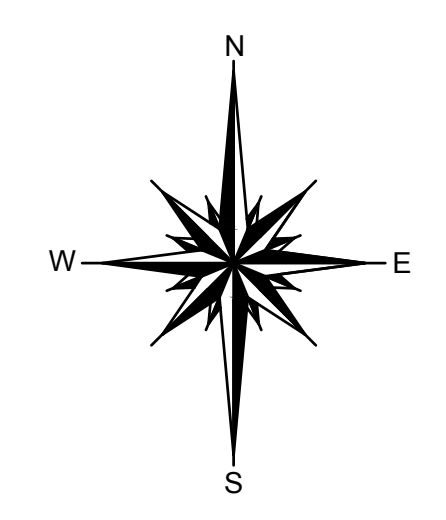
EXISTING		PROPOSED	
102.00	PAVEMENT ELEVATION	(00)	WATER
102.00	TOP OF CURB ELEVATION	(01)	FIRE SERVICE
102.00	BOTTOM OF CURB ELEVATION	(02)	WATER SERVICE
102.00	SPOT ELEVATION	(03)	ELECTRIC
102.00	ELECTRIC BOX	(04)	GAS
102.00	PULL BOX	(05)	FENCE
102.00	FIRE HYDRANT	(06)	SANITARY HOUSE CONNECTION
102.00	WATER VALVE	(07)	DRAINAGE
102.00	TRANSFORMER	(08)	ROOF DRAIN
102.00	ELECTRIC POLE	(09)	TELEPHONE
102.00	LIGHT POLE	(10)	TELEVISION
102.00	HIGH TENSION TOWER	(11)	CONCRETE WALK
102.00	WATER MAIN	(12)	LIMIT OF CLEARING AND GRADING
102.00	WATER SERVICE	(13)	PAVING CONSTRUCTION
102.00	GAS MAIN	(14)	SAW CUT W/ PAVEMENT
102.00		(15)	TO BE REMOVED
102.00		(16)	TEST HOLE
102.00		(17)	DRAINAGE RIDGELINE
102.00		(18)	PROPOSED MONUMENT
102.00		(19)	
102.00		(20)	
102.00		(21)	
102.00		(22)	
102.00		(23)	
102.00		(24)	
102.00		(25)	
102.00		(26)	
102.00		(27)	
102.00		(28)	
102.00		(29)	
102.00		(30)	
102.00		(31)	
102.00		(32)	
102.00		(33)	
102.00		(34)	
102.00		(35)	
102.00		(36)	
102.00		(37)	
102.00		(38)	
102.00		(39)	
102.00		(40)	
102.00		(41)	
102.00		(42)	
102.00		(43)	
102.00		(44)	
102.00		(45)	
102.00		(46)	
102.00		(47)	
102.00		(48)	
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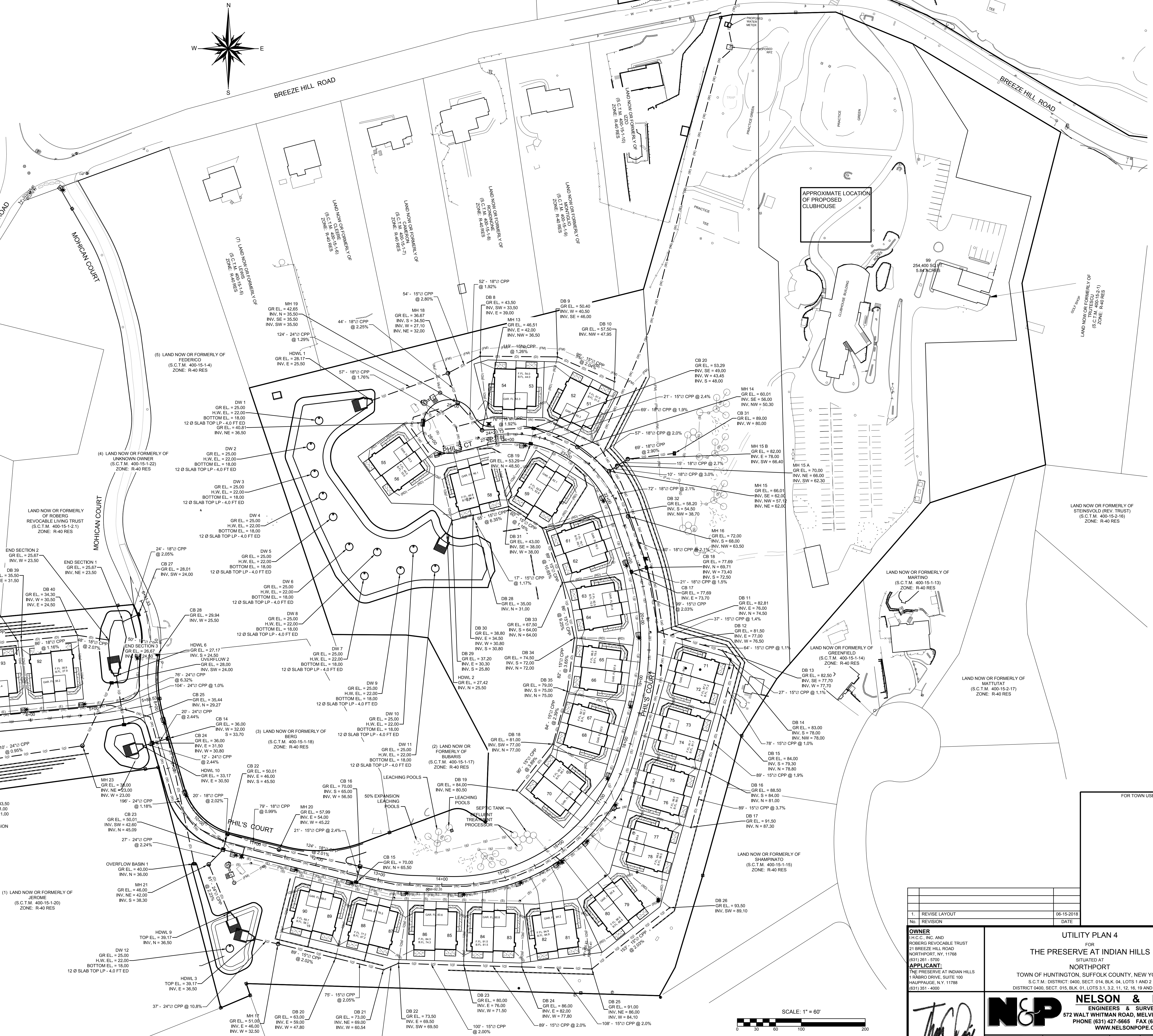
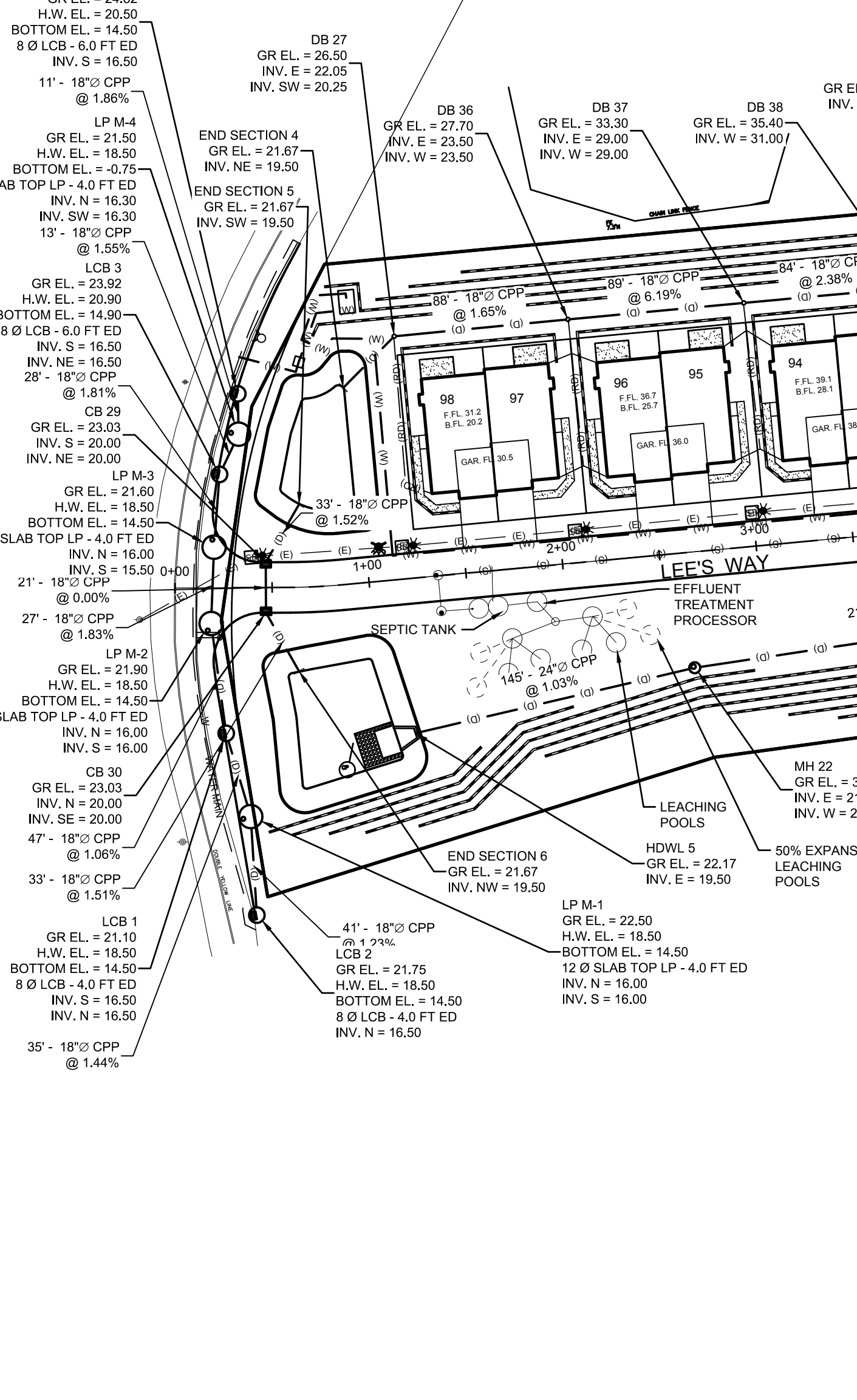
FOR TOWN USE	
1. REVISE LAYOUT 06-15-2018 No. REVISION DATE	
OWNER: P.C.C. INC. AND ROBERTS REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY, 11768 (631) 261-5700	
APPLICANT: THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 261-4500	
UTILITY PLAN 3 FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 19 AND PLO 22	
NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM	
DRAWN BY: GEO CHECKED BY: JM DATE: DECEMBER, 2017	CADD No.: 86047 PM.DWG FILE NO.: 400-014 PROJECT NO.: 86047
SCALE: 1"=100' DRAWING NO.: C-114 SHEET NO. 15 OF 35	

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

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 02/25/2018 10:22:08 AM



- EXISTING**
- PAVEMENT ELEVATION
 - TOP OF CURB ELEVATION
 - BOTTOM OF CURB ELEVATION
 - SPOT ELEVATION
 - ELECTRIC BOX
 - FULL BOX
 - FIRE HYDRANT
 - GAS VALVE
 - TRANSFORMER
 - ELECTRIC POLE
 - LIGHT POLE
 - HIGH TENSION TOWER
 - WATER MAIN
 - WATER SERVICE
 - GAS MAIN
 - CONTOUR
 - LEACHING POOL W/ OPEN GRATE
 - LEACHING POOL W/ SOLID COVER
 - DRAINAGE BASIN
 - CATCH BASIN
 - HYDRANT
 - STREET TREE
 - WV SYMBOL
- PROPOSED**
- WATER
 - FIRE SERVICE
 - WATER SERVICE
 - ELECTRIC
 - GAS
 - FENCE
 - SANITARY HOUSE CONNECTION
 - DRAINAGE
 - ROOF DRAIN
 - TELEPHONE
 - CONCRETE WALK
 - LIMIT OF CLEARING AND GRADING
 - SAW CUT W/ PAVEMENT TO BE REMOVED
 - TEST HOLE
 - DRAINAGE RIDGELINE
 - PROPOSED MONUMENT



1	REVISE LAYOUT	06-15-2018
No.	REVISION	DATE

OWNER
P.R.C.C. INC. AND PROBING REVOCABLE TRUST
21 BREEZE HILL ROAD
NORTHPORT, NY 11788
(631) 261-5700

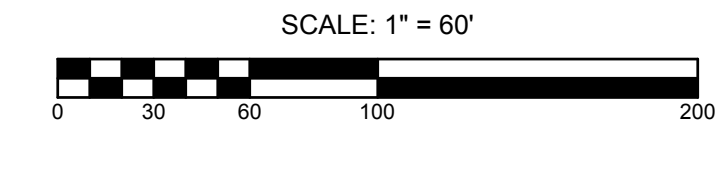
APPLICANT
THE PRESERVE AT INDIAN HILLS
1 RABRO DRIVE, SUITE 100
HAUPPAUGE, NY 11788
(631) 351-4000

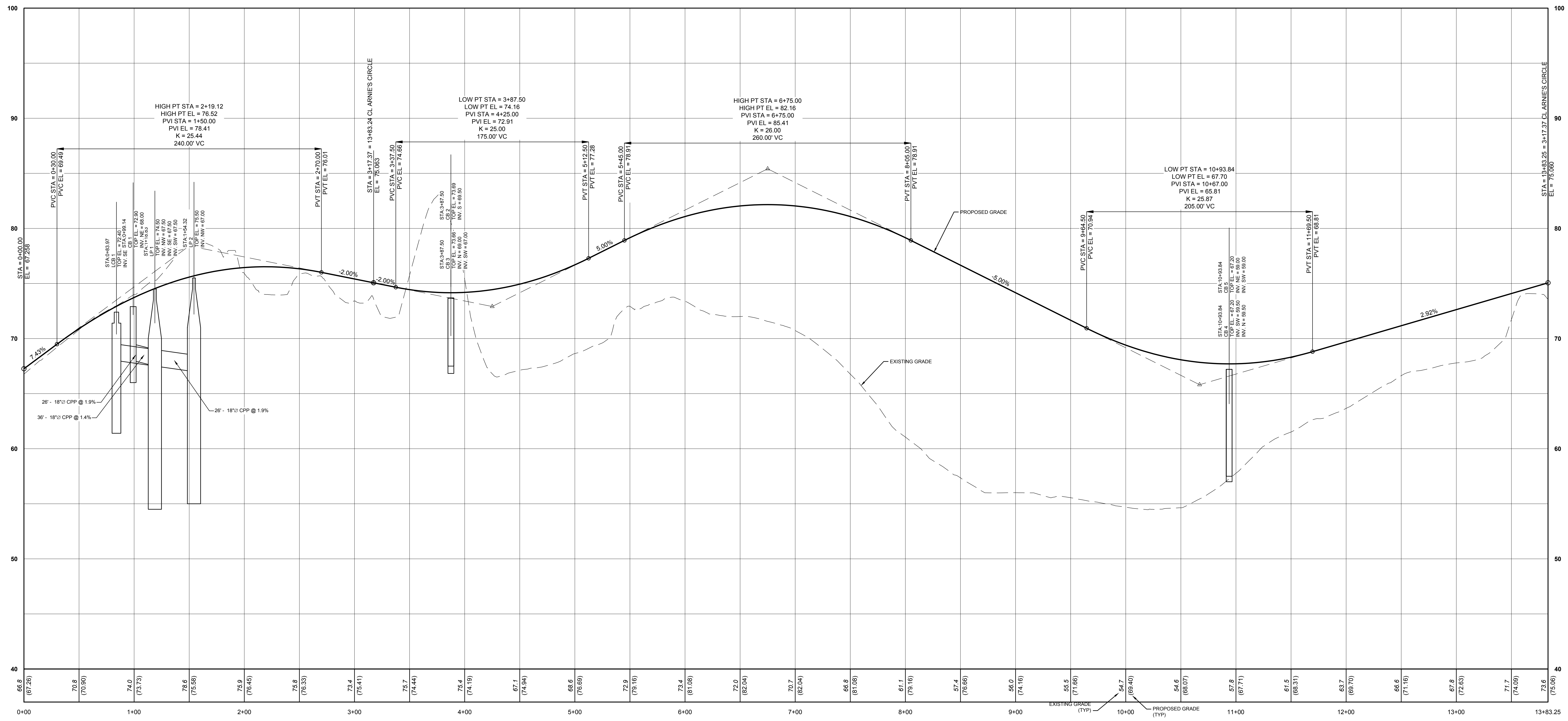
UTILITY PLAN 4
FOR
THE PRESERVE AT INDIAN HILLS
SITUATED AT
NORTHPORT
TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
S.C.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 16 AND PJO 22

NELSON & POPE
ENGINEERS & SURVEYORS
572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747
PHONE (631) 427-5665 FAX (631) 427-5620
WWW.NELSONPOPE.COM

DRAWN BY: GEO CADD No.: 86047 PM DWG SCALE: 1"=60'
CHECKED BY: JM FILE No.: 400-014
DATE: DECEMBER, 2017 PROJECT No.: 86047 1"=60' **C-115**
SHEET No. 16 OF 35

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

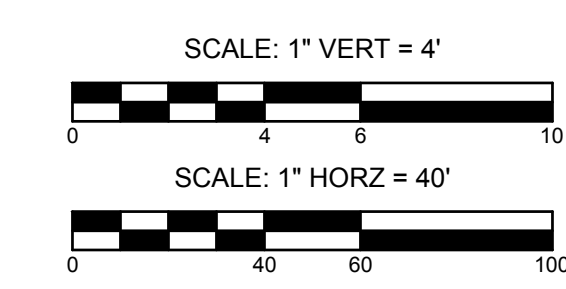




ARNIE'S CIRCLE

66.8 (67.26)	70.9 (70.90)	74.0 (73.73)	78.6 (75.98)	75.9 (76.46)	75.8 (76.33)	72.4 (75.41)	75.7 (74.44)	75.4 (74.19)	67.1 (74.94)	68.6 (70.09)	72.9 (73.16)	72.4 (61.08)	72.0 (62.04)	70.7 (62.04)	66.8 (61.08)	61.1 (79.16)	57.4 (76.66)	56.0 (74.16)	55.5 (71.66)	54.7 (69.40)	54.6 (68.07)	57.8 (67.71)	61.5 (68.51)	63.7 (69.70)	66.6 (71.16)	67.8 (72.63)	71.7 (74.09)	73.6 (75.66)
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IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

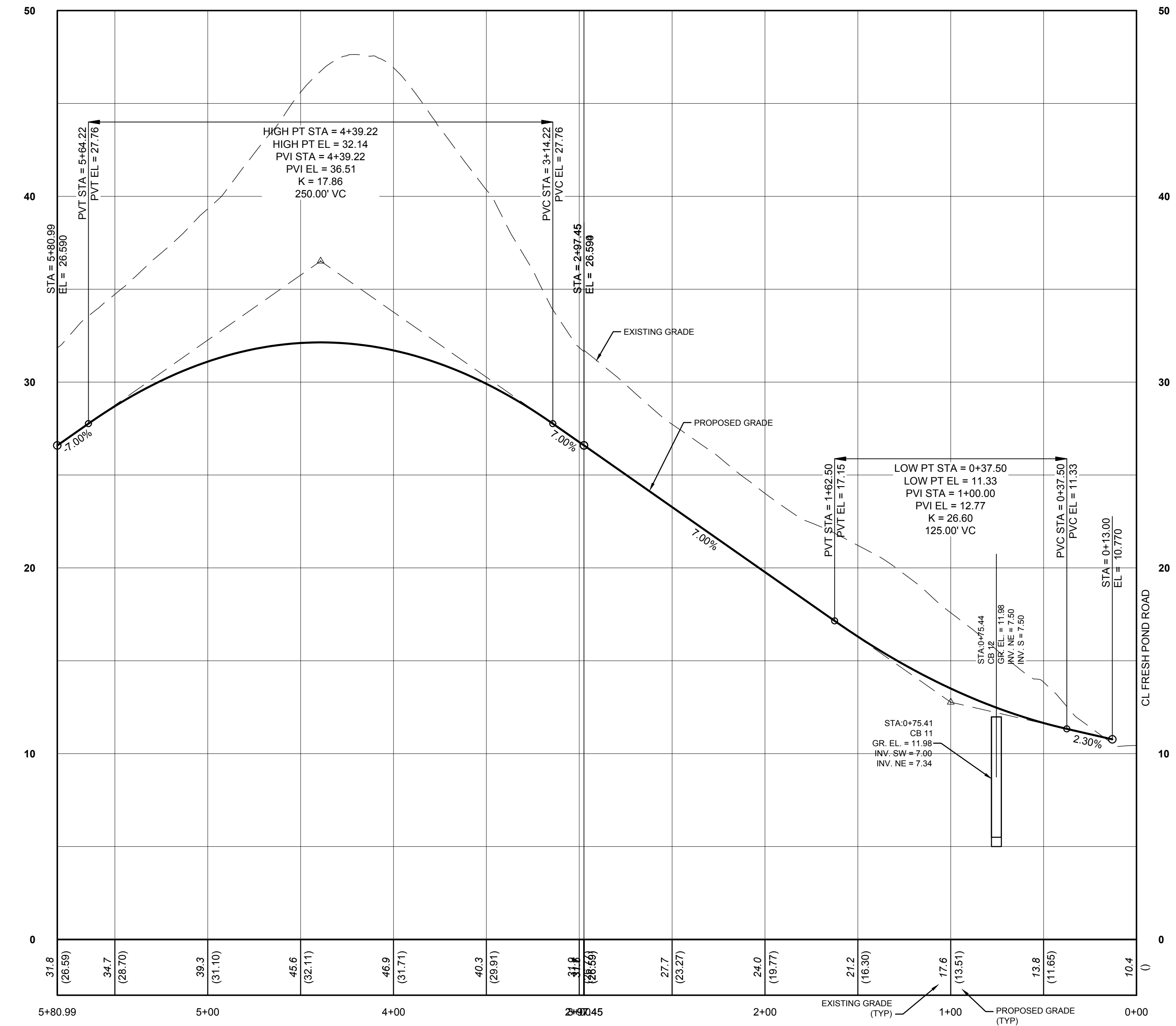
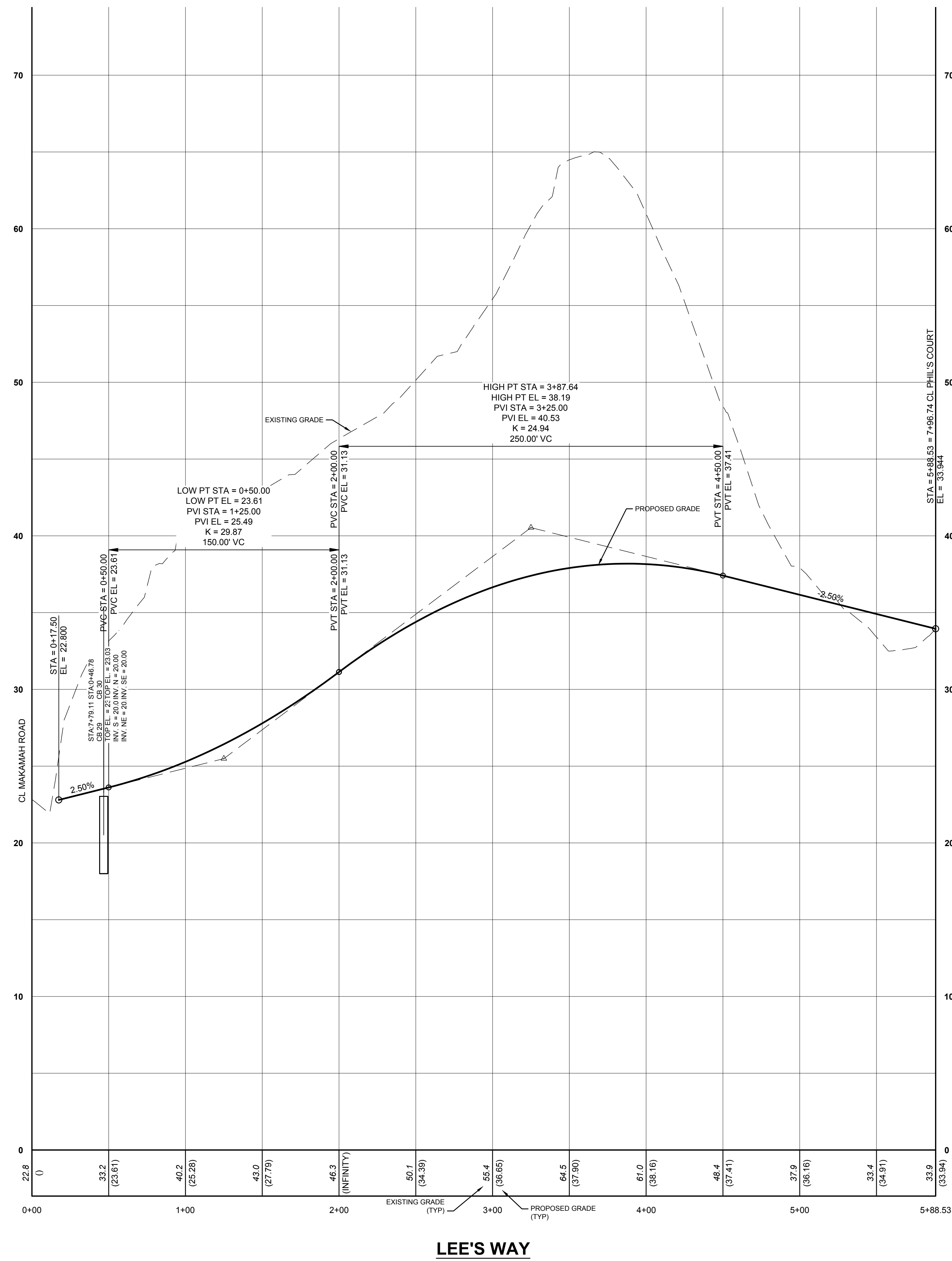


1. REVISE LAYOUT No. REVISION DATE		06-15-2018	
OWNER P.C.C. INC. AND ROSEBROOK REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY, 11788 (631) 261-5700		APPLICANT: THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 351-4500	
PROFILES 1 FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 16, 19 AND P/O 22		NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM	
DRAWN BY: GEO CHECKED BY: JM DATE: DECEMBER, 2017	CADD No.: 86047 PM DWG FILE NO.: 490-014 PROJECT NO.: 86047	SCALE: 1" VERT = 4' 1" HORZ = 40'	DRAWING NO.: C - 116 SHEET NO. 17 OF 35

FOR TOWN USE

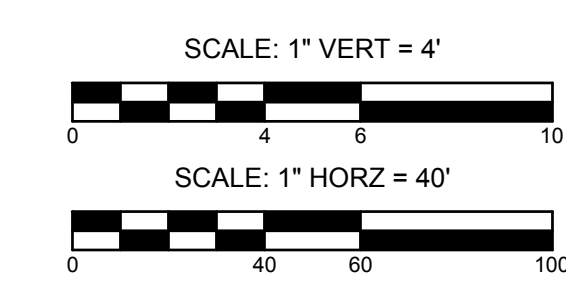
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IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.



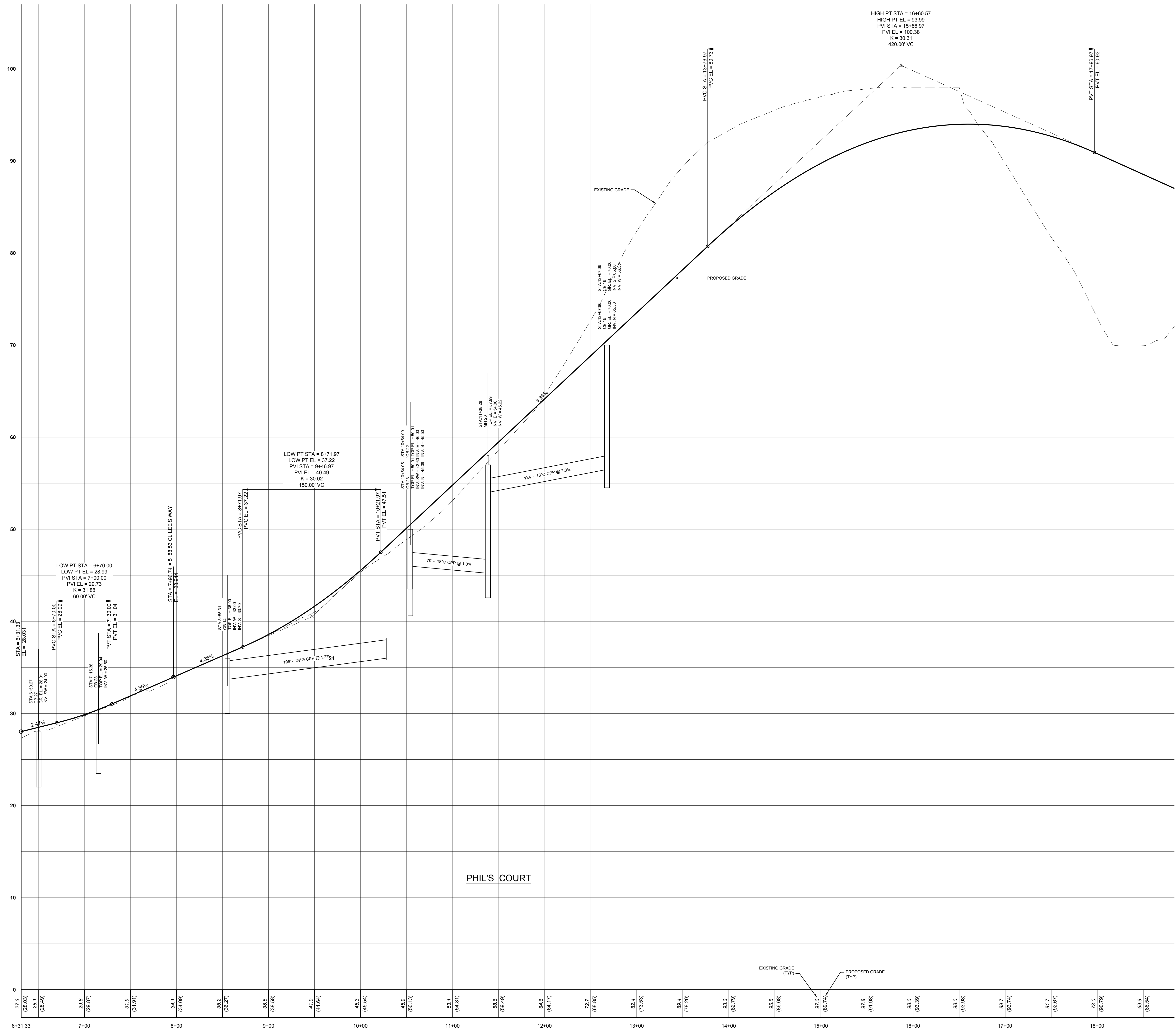
JACK'S COURT

1. REVISE LAYOUT No. REVISION DATE		06-15-2018 DATE	
OWNER P.C.C. INC. AND ROBING REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY, 11788 (631) 261-5700		PROFILES 2 FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 16, 19 AND PLO 22	
APPLICANT: THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 351-4500		N&P NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM	
DRAWN BY: GEO CHECKED BY: JM DATE: DECEMBER, 2017		CADD No.: 86047 PM DWG FILE NO.: 400-014 PROJECT NO.: 86047 SCALE: 1" VERT = 4' 1" HORZ = 40' DRAWING NO.: C-117 SHEET NO. 18 OF 35	

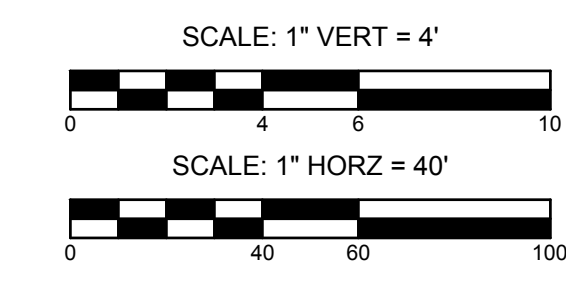


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IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.



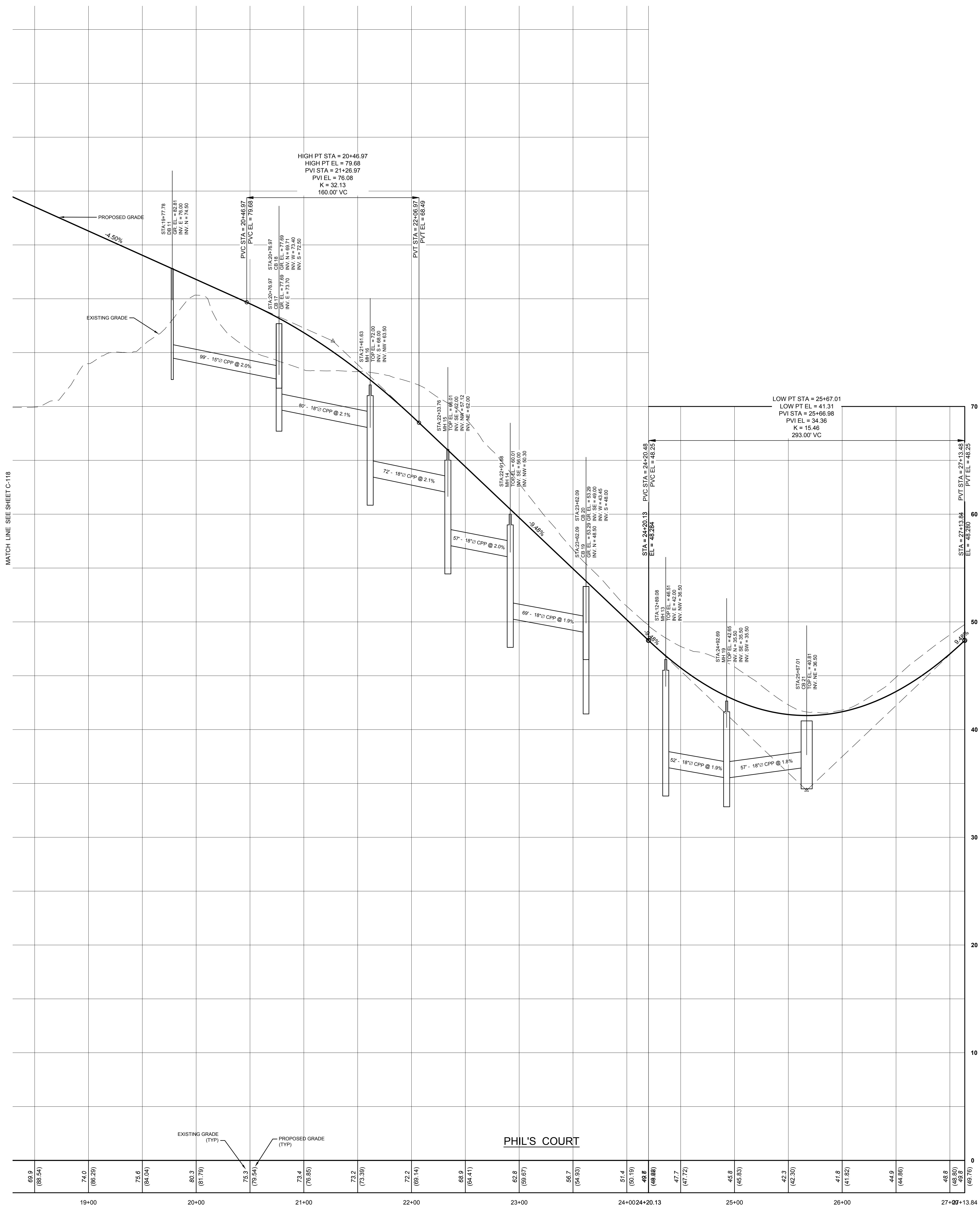
MATCH LINE SEE SHEET C-119



PHIL'S COURT

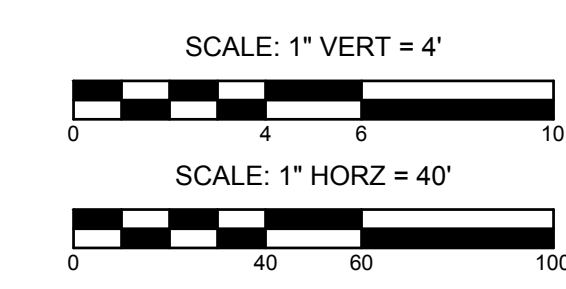
FOR TOWN USE

1. REVISE LAYOUT No. REVISION DATE		06-15-2018 DATE	
OWNER P.C.C. INC. AND ROBING REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY, 11768 (631) 261-5700		PROFILES 3 FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 16, 19 AND P/O 22	
APPLICANT: THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 351-4500		NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM	
DRAWN BY: GEO CHECKED BY: JM DATE: DECEMBER, 2017	CADD No.: 86047 PM DWG FILE NO.: 400-014 PROJECT NO.: 86047	SCALE: 1" VERT = 4' 1" HORIZ = 40'	DRAWING NO.: C-118 SHEET NO. 19 OF 35



MATCH LINE SEE SHEET C-118

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

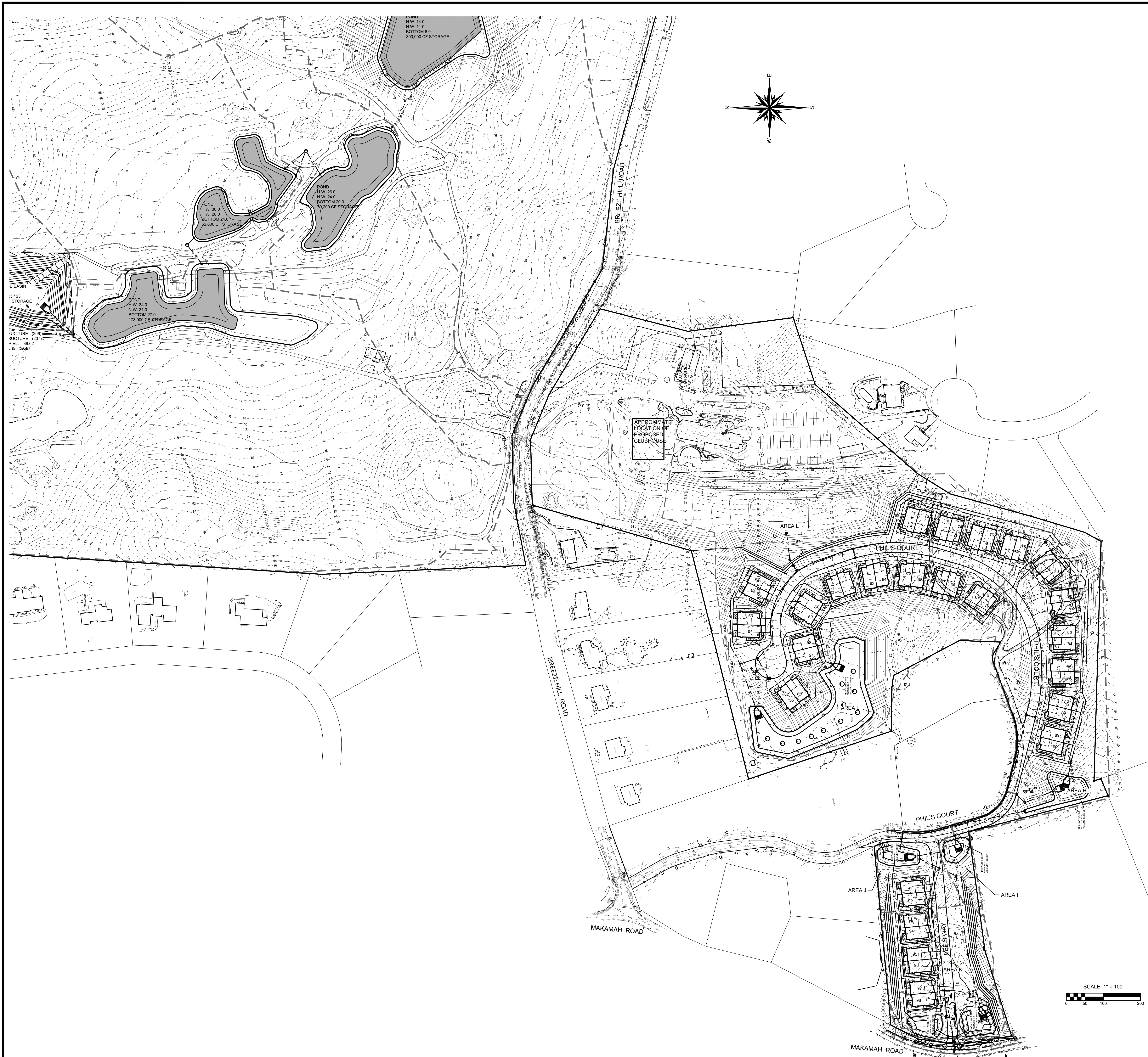


FOR TOWN USE

No.	REVISION	DATE
1.	REVISE LAYOUT	06-15-2018

OWNER P.C.C. INC. AND ROSEBUD REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY, 11788 (631) 261-5700	PROFILES 4 FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 4, 5, 11, 12, 16, 19 AND P/O 22	
	NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM	
APPLICANT: THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 351-4500	DRAWN BY: GEO CHECKED BY: JM DATE: DECEMBER, 2017	CADD No.: 86047 PM.DWG FILE NO.: 400-014 PROJECT NO.: 86047
SCALE: 1" VERT = 4' 1" HORZ = 40'		DRAWING NO.: C-119 SHEET NO. 20 OF 35

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DRAINAGE CALCULATIONS

AREA H

REQUIRED:
4.5 AC. X 5850 = 26,325 C.F. x 1.5 = 37,487 C.F.

PROVIDE:
19,200 C.F. 4' DEPRESSION
H.W. 30.0
BOTTOM 28.0

AREA I

REQUIRED:
0.55 AC. X 5850 = 3,218 C.F. x 1.5 = 4,826 C.F.
OVERFLOW FROM H = 20,287 C.F.
TOTAL REQUIRED = 25,113 C.F.

PROVIDE:
11,700 C.F. 5' DEPRESSION

AREA J

REQUIRED:
1.0 AC. X 5850 = 5,850 C.F. x 1.5 = 8,775 C.F.
OVERFLOW FROM AREA I = 13,413 C.F.
TOTAL REQUIRED = 22,188 C.F.

PROVIDE:
17,000 C.F. 5' DEPRESSION

AREA K

REQUIRED:
2.25 AC. X 5850 = 13,162 C.F. x 1.5 = 19,743 C.F.
OVERFLOW FROM AREA J = 5,188 C.F.
TOTAL REQUIRED = 24,931 C.F.

PROVIDE:
29,400 C.F. 4' DEPRESSION

AREA L

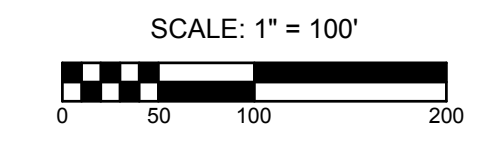
REQUIRED:
12.1 AC. X 5850 = 70,785 C.F. x 1.5 = 106,177 C.F.

PROVIDE:
148,000 C.F. 4' DEPRESSION

No.	REVISION	DATE
1	REVISE LAYOUT	06-15-2018

FOR TOWN USE

<p>OWNER P.C.C. INC. AND ROBING REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY, 11768 (631) 261-5700</p> <p>APPLICANT: THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 351-4500</p>	<p>OVERALL DRAINAGE PLAN - SOUTH PARCEL</p> <p>FOR</p> <p>THE PRESERVE AT INDIAN HILLS</p> <p>SITUATED AT</p> <p>NORTHPORT</p> <p>TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK</p> <p>S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2</p> <p>DISTRICT 0400, SECT. 014, BLK. 04, LOTS 3, 1, 2, 11, 12, 15, 19 AND PLO 22</p>	
	<p>N&P NELSON & POPE</p> <p>ENGINEERS & SURVEYORS</p> <p>572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747</p> <p>PHONE (631) 427-5665 FAX (631) 427-5620</p> <p>WWW.NELSONPOPE.COM</p>	
<p>DRAWN BY: GEO CADD No.: 86047 PM DWG SCALE: 1"=100'</p> <p>CHECKED BY: JM FILE NO.: 400-014</p> <p>DATE: DECEMBER, 2017 PROJECT NO.: 86047</p>	<p>DRAWING NO.: C-121</p> <p>SHEET NO. 22 of 35</p>	



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EROSION CONTROL MEASURES LEGEND

- CONSTRUCTION FENCE
- SILT FENCE (SF) (SF) (SF)
- STONE AND BLOCK INLET PROTECTION
- CURB AND GRATE INLET PROTECTION
- CONCRETE WASHOUT
- CONSTRUCTION ENTRANCE
- TERRA TUBE

No.	REVISION	DATE
1	REVISED LAYOUT	06-15-2018

OWNER:
 F.T.C.C. INC. AND
 ROBERT REVOCABLE TRUST
 21 BREEZE HILL ROAD
 NORTHPORT, NY, 11768
 (631) 261 - 5700

APPLICANT:
 THE PRESERVE AT INDIAN HILLS
 1 RABRO DRIVE, SUITE 100
 HAUPPAUGUE, NY, 11788
 (631) 351 - 4000

SEDIMENT AND EROSION CONTROL PLAN 1
 FOR
THE PRESERVE AT INDIAN HILLS
 SITUATED AT
 NORTHPORT
 TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
 S.C.T.M.: DISTRICT: 0400, SECT: 014, BLK: 04, LOTS 1 AND 2
 DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1, 2, 11, 12, 15, 16, 19 AND PLO 22

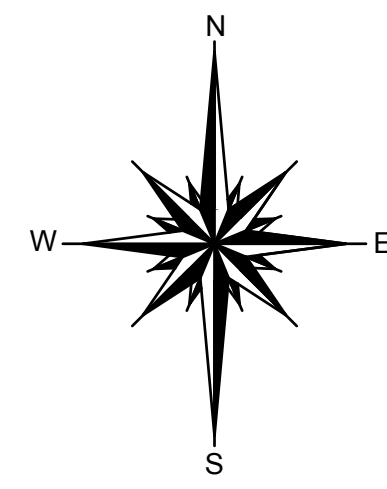
Thompson

DRAWN BY: GEO
 CHECKED BY: JM
 DATE: NOVEMBER, 2017

NELSON & POPE
 ENGINEERS & SURVEYORS
 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747
 PHONE (631) 427-5665 FAX (631) 427-5620
 WWW.NELSONPOPE.COM

SCALE: 1"=60'
 DRAWING NO.: C-122
 SHEET NO.: 23 of 35

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 2209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.



THIS SHEET



IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

LAND NOW OR FORMERLY OF DANTON (S.C.T.M. 400-15-3-31.6) ZONE: R-40 RES

EROSION CONTROL MEASURES LEGEND

- CONSTRUCTION FENCE
- SILT FENCE
- STONE AND BLOCK INLET PROTECTION
- CURB AND GRATE INLET PROTECTION
- CONCRETE WASHOUT
- CONSTRUCTION ENTRANCE
- TERRA TUBE

No.	REVISION	DATE
1	REVISED LAYOUT	06-15-2018

OWNER:
 P.T.C.C., INC. AND
 ROBERG REVOCABLE TRUST
 21 BREEZE HILL ROAD
 NORTHPORT, NY, 11768
 (631) 261 - 5700

APPLICANT:
 THE PRESERVE AT INDIAN HILLS
 1 RABRO DRIVE, SUITE 100
 HAUPPAUGUE, NY, 11788
 (631) 351 - 4000

SEDIMENT AND EROSION CONTROL PLAN 2
 FOR
THE PRESERVE AT INDIAN HILLS
 SITUATED AT
 NORTHPORT
 TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
 S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 16 AND PJO 22

Thompson

N&P NELSON & POPE
 ENGINEERS & SURVEYORS
 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747
 PHONE (631) 427-5665 FAX (631) 427-5620
 WWW.NELSONPOPE.COM

DRAWN BY: GEO CADD No. 174 PM 2018 BR01A.DWG SCALE: 400-014
 CHECKED BY: JM FILE NO.: 1"=60'
 DATE: NOVEMBER, 2017 PROJECT NO.: 86047 DRAWING NO.: C - 123
 SHEET NO.: 24 of 35

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EROSION CONTROL MEASURES LEGEND

- CONSTRUCTION FENCE
- SILT FENCE (SF) (SF) (SF)
- STONE AND BLOCK INLET PROTECTION
- CURB AND GRATE INLET PROTECTION
- CONCRETE WASHOUT
- CONSTRUCTION ENTRANCE
- TERRA TUBE

1	REVISED LAYOUT	06-15-2018
No.	REVISION	DATE

OWNER:
 P.T.C.C., INC. AND
 ROBERG REVOCABLE TRUST
 21 BREEZE HILL ROAD
 NORTHPORT, NY, 11768
 (631) 261 - 5700

APPLICANT:
 THE PRESERVE AT INDIAN HILLS
 1 RABRO DRIVE, SUITE 100
 HAUPPAUGUE, NY, 11788
 (631) 351 - 4000

SEDIMENT AND EROSION CONTROL PLAN 3
 FOR
THE PRESERVE AT INDIAN HILLS
 SITUATED AT
 NORTHPORT
 TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
 S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 19 AND PLO 22

Thomson

N&P NELSON & POPE
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 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747
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CHECKED BY: JM	FILE NO.: 400-014		SHEET NO.: 25 of 35
DATE: NOVEMBER, 2017	PROJECT NO.: 86047		

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1 REVISED LAYOUT		06-15-2018
No.	REVISION	DATE

OWNER:
 P.L.C., INC. AND
 ROBERG REVOCABLE TRUST
 21 BREEZE HILL ROAD
 NORTHPORT, NY, 11768
 (631) 261 - 5700

APPLICANT:
 THE PRESERVE AT INDIAN HILLS
 1 RABRO DRIVE, SUITE 100
 HAUPPAUGUE, NY, 11788
 (631) 261 - 4000

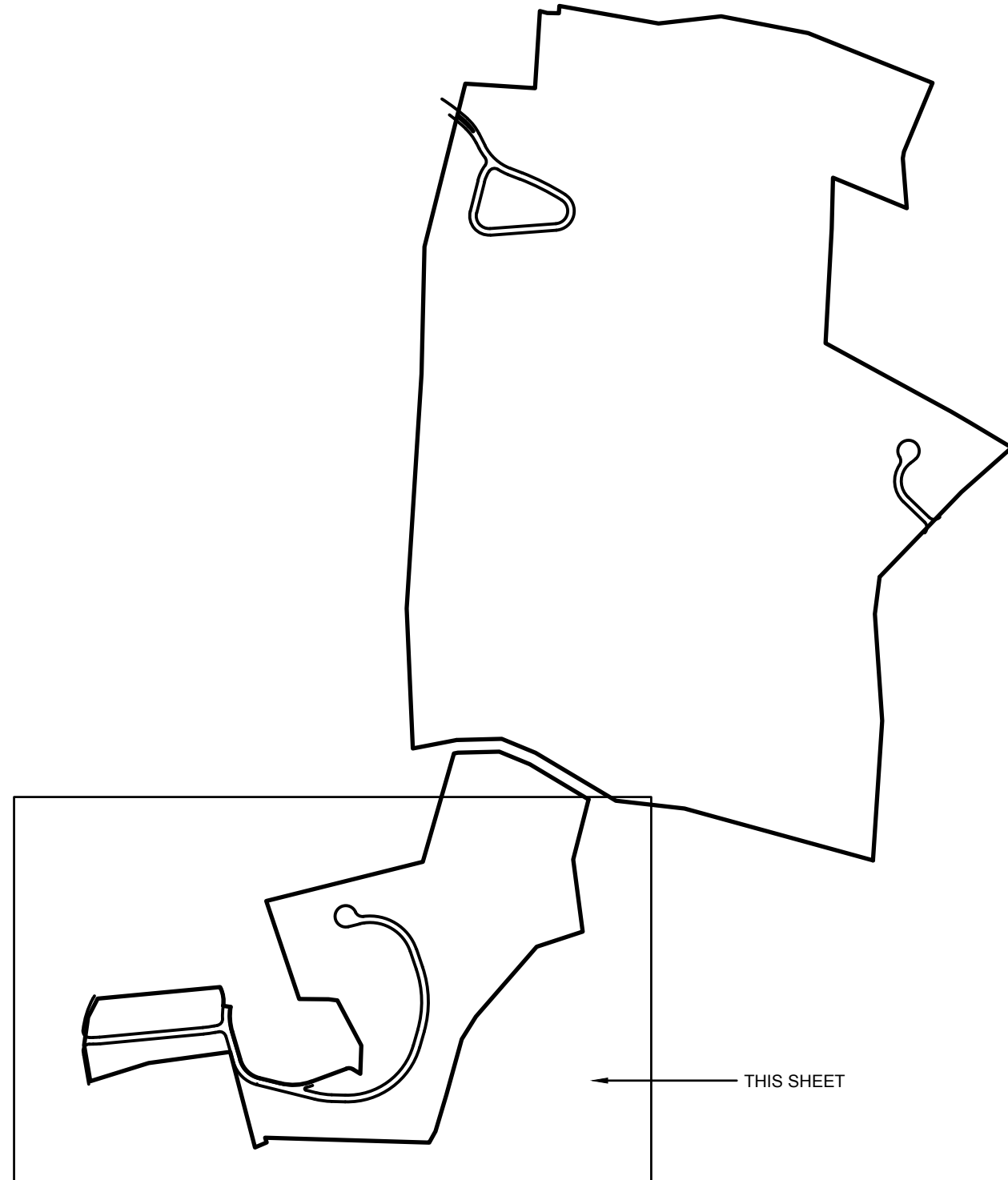
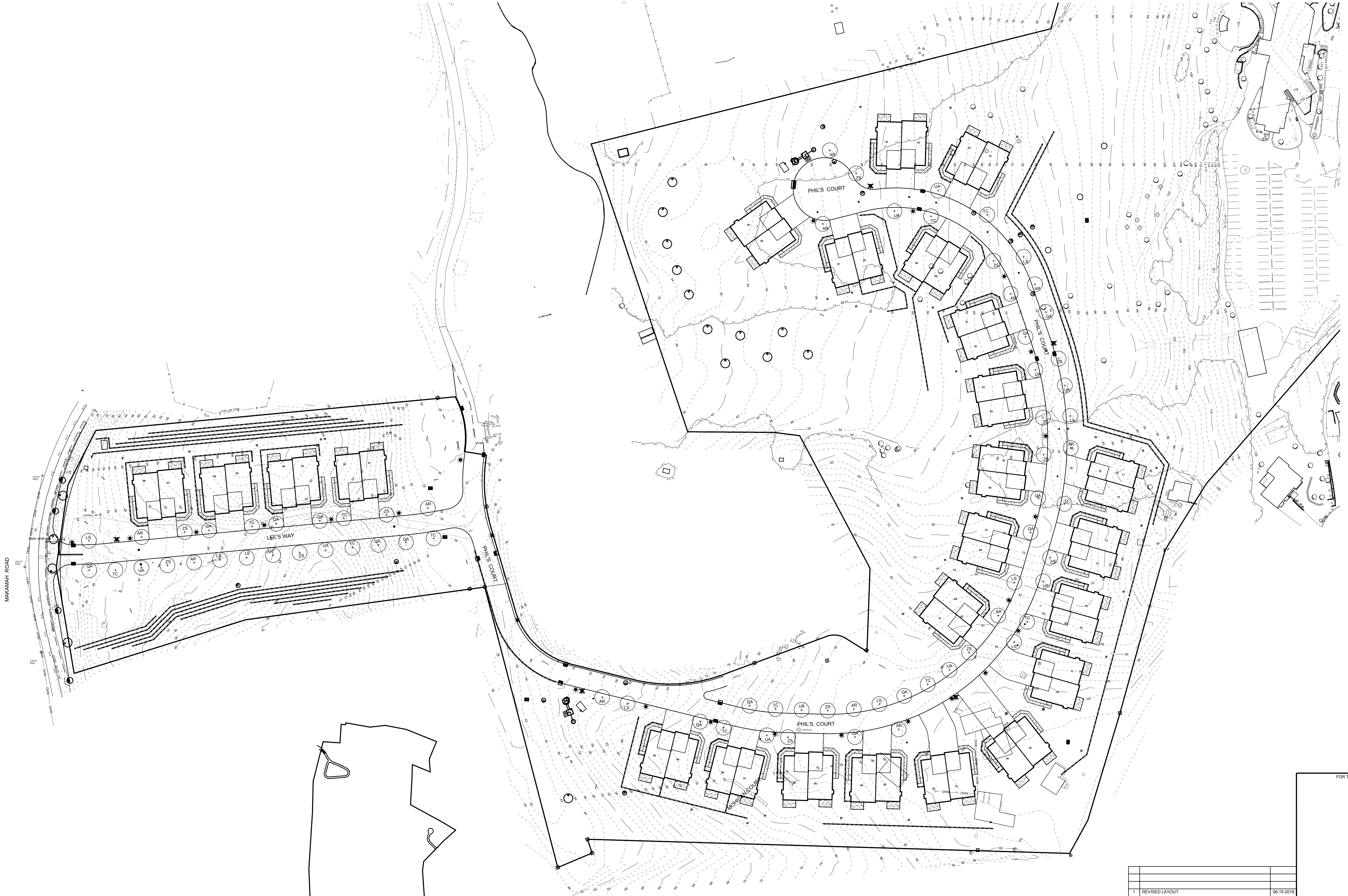
LANDSCAPE PLAN 1
 FOR
THE PRESERVE AT INDIAN HILLS
 SITUATED AT
 NORTHPORT
 TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
 S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 16, 19 AND PLO 22

NELSON & POPE
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 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747
 PHONE (631) 427-5665 FAX (631) 427-5620
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CHECKED BY: JM **FILE NO.:** 400-014 **DRAWING NO.:** LP - 101
DATE: NOVEMBER, 2017 **PROJECT NO.:** 86047 **SHEET NO.:** 26 of 35

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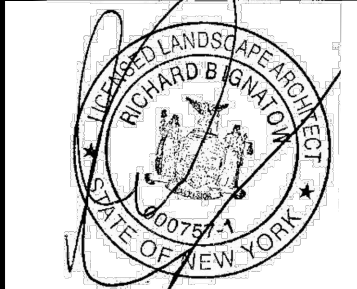
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No.	REVISION	DATE
1	REVISED LAYOUT	06-15-2018

OWNER:
 P.T.C.C., INC. AND
 ROBERG REVOCABLE TRUST
 21 BREEZE HILL ROAD
 NORTHPORT, NY, 11768
 (631) 261 - 5700

APPLICANT:
 THE PRESERVE AT INDIAN HILLS
 1 RABRO DRIVE, SUITE 100
 HAUPPAUGUE, NY, 11788
 (631) 261 - 4000

LANDSCAPE PLAN 2
 FOR
THE PRESERVE AT INDIAN HILLS
 SITUATED AT
 NORTHPORT
 TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
 S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 19 AND P/O 22



N&P NELSON & POPE
 ENGINEERS & SURVEYORS
 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747
 PHONE (631) 427-5665 FAX (631) 427-5620
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DRAWN BY: GEO CADD No. 2718 02/18 02/18
 CHECKED BY: JM FILE NO.: 400-014
 DATE: NOVEMBER, 2017 PROJECT NO.: **86047** SCALE: 1"=50'
 DRAWING NO.: **LP - 102**
 SHEET NO.: 27 of 35

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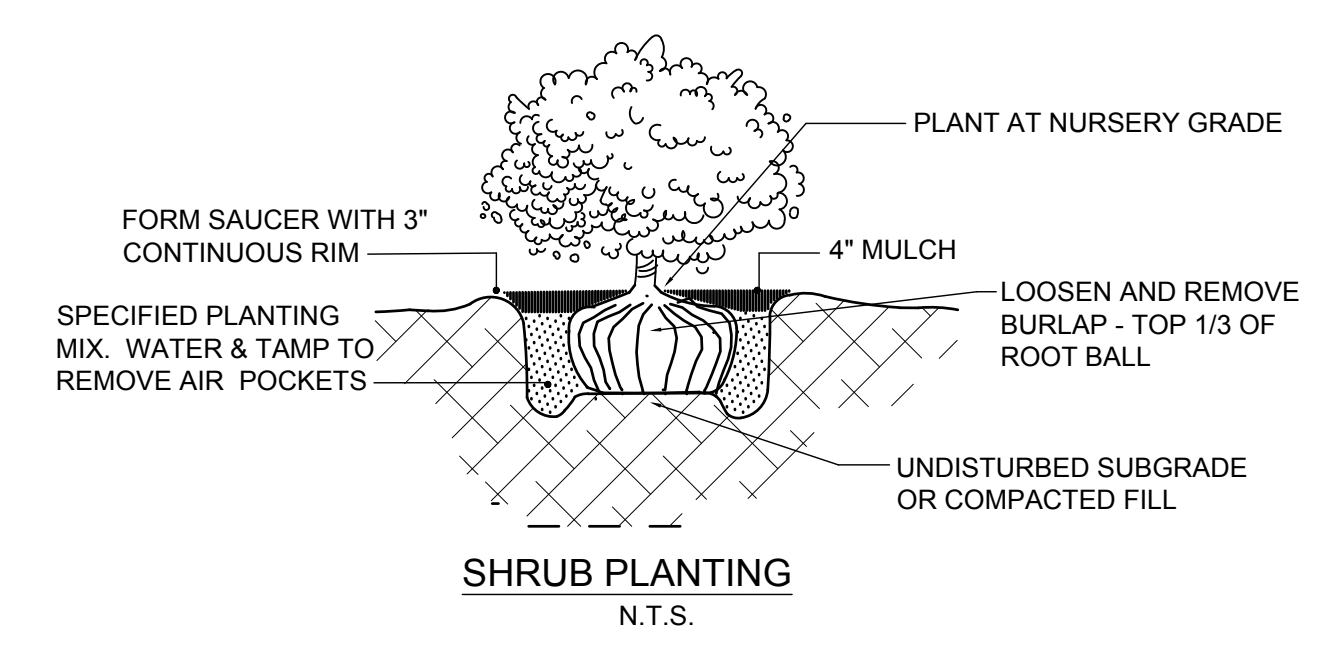


STREET TREE PLANTING SCHEDULE

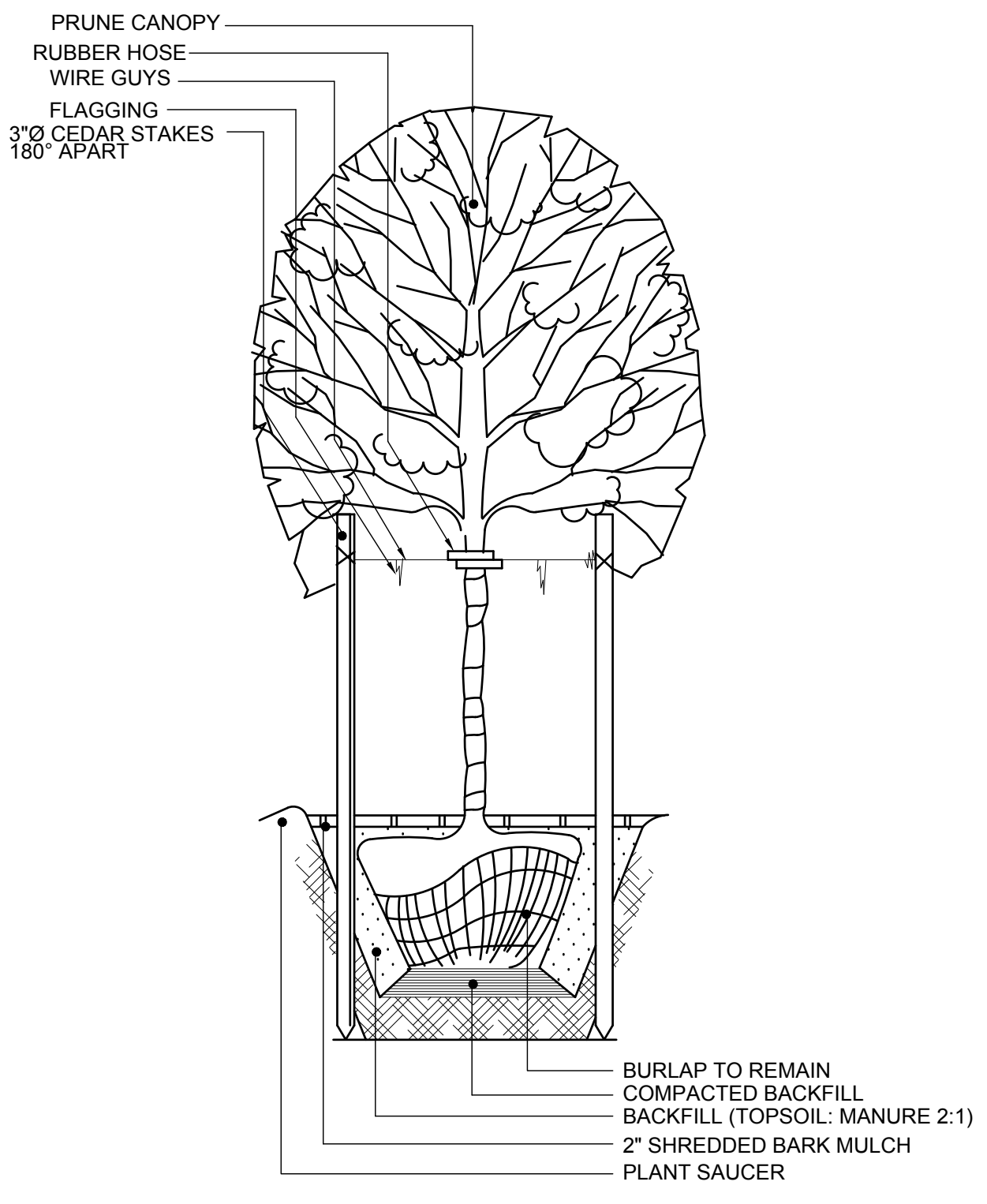
18	QA	QUERCUS ALBA	WHITE OAK	3-3 1/2" CAL.	35' o.c.
23	AR	ACER RUBRUM	RED MAPLE	3-3 1/2" CAL.	25' o.c.
19	LS	LIQUIDAMBAR STYRACIFLUA	SWEETGUM	3-3 1/2" CAL.	35' o.c.
21	TC	TILIA CORDATA	LITTLELEAF LINDEN	3-3 1/2" CAL.	35' o.c.
16	UA	ULMUS AMERICANA LIBERTY	LIBERTY ELM	3-3 1/2" CAL.	35' o.c.
25	ZS	ZELKOVA SERRATA	JAPANESE ZELKOVA	3-3 1/2" CAL.	35' o.c.

HYDROSEED MIX "B" - 170 LBS/ACRE
 ECOLOGY SUMMER MIXTURE
 60% RELIANT HARD FESCUE
 20% JAMESTOWN II CHEWING FESCUE
 20% TRIBUTE TALL FESCUE

- NOTES:
- 1) ALL PLANT MATERIAL GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING ACCEPTANCE BY OWNER.
 - 2) ALL PLANTING BEDS SHALL BE WEEDED AND HAVE A MINIMUM FOUR (4) INCH THICK LAYER OF WOOD CHIPS (OR SHREDDED BARK).
 - 3) ALL PLANTING AREAS TO RECEIVE 4" OF SCREENED TOPSOIL PRIOR TO PLANT INSTALLATION.
 - 4) LANDSCAPING SHALL BE PLANTED AND MAINTAINED IN COMPLIANCE WITH TOWN OF HUNTINGTON SUBDIVISION REGULATIONS AND SITE IMPROVEMENT SPECIFICATIONS AND ADDENDA.
 - 5) THERE SHALL BE NO PLANT SUBSTITUTIONS UNLESS AUTHORIZED BY THE STAFF OF THE HUNTINGTON TOWN PLANNING AND ENVIRONMENTAL DEPARTMENT.
 - 6) NO PLANT MATERIAL, EXCEPT LAWN OR GROUND COVER, IS TO BE LOCATED WITHIN 2' OF ANY PARKING LOT CURBS.
 - 7) ALL DECIDUOUS TREES TO BE SECURED WITH TWO 3" DIA. CEDAR STAKES 180 DEGREES APART.
 - 8) ALL ROPES AND WIRES SURROUNDING ROOT BALL TO BE REMOVED PRIOR TO BACKFILLING OF TREE PITS. TREE TRUNK WRAP TO BE REMOVED.
 - 9) NO TREES TO BE LOCATED WITHIN 10' OF DRYWELLS, WALLS, OR PIPING AND DRAINAGE STRUCTURES AS PER TOWN OF HUNTINGTON STANDARDS.
 - 10) ALL PROPOSED STREET TREES TO BE LIMBED UP TO A HEIGHT OF 7' TO AVOID ANY INTERFERENCE WITH PEDESTRIAN MOVEMENT ALONG PROPOSED SIDEWALKS.
 - 11) FIELD PLANTING OF STREET TREES AND OTHER PLANT MATERIALS MUST BE UNDER THE SUPERVISION OF A LICENSED NEW YORK STATE REGISTERED LANDSCAPE ARCHITECT OR A QUALIFIED HORTICULTURIST DEEMED QUALIFIED BY THE REVIEWING AGENCY TO OVERSEE LANDSCAPE INSTALLATION IN ACCORDANCE WITH THE TOWN REQUIREMENTS. THE DEVELOPER MUST SUPPLY THE TOWN ENGINEER WITH AN AFFIDAVIT FROM THE REGISTERED LANDSCAPE ARCHITECT OR THE QUALIFIED HORTICULTURIST STATING THAT THE QUALITY, VARIETY, SIZE OF PLANTS AND PLANTING PROCEDURES CONFORM TO THE SPECIFICATIONS OF THE TOWN OF HUNTINGTON.
- * IRRIGATION REQUIRED FOR LANDSCAPE AND LAWN AREAS.



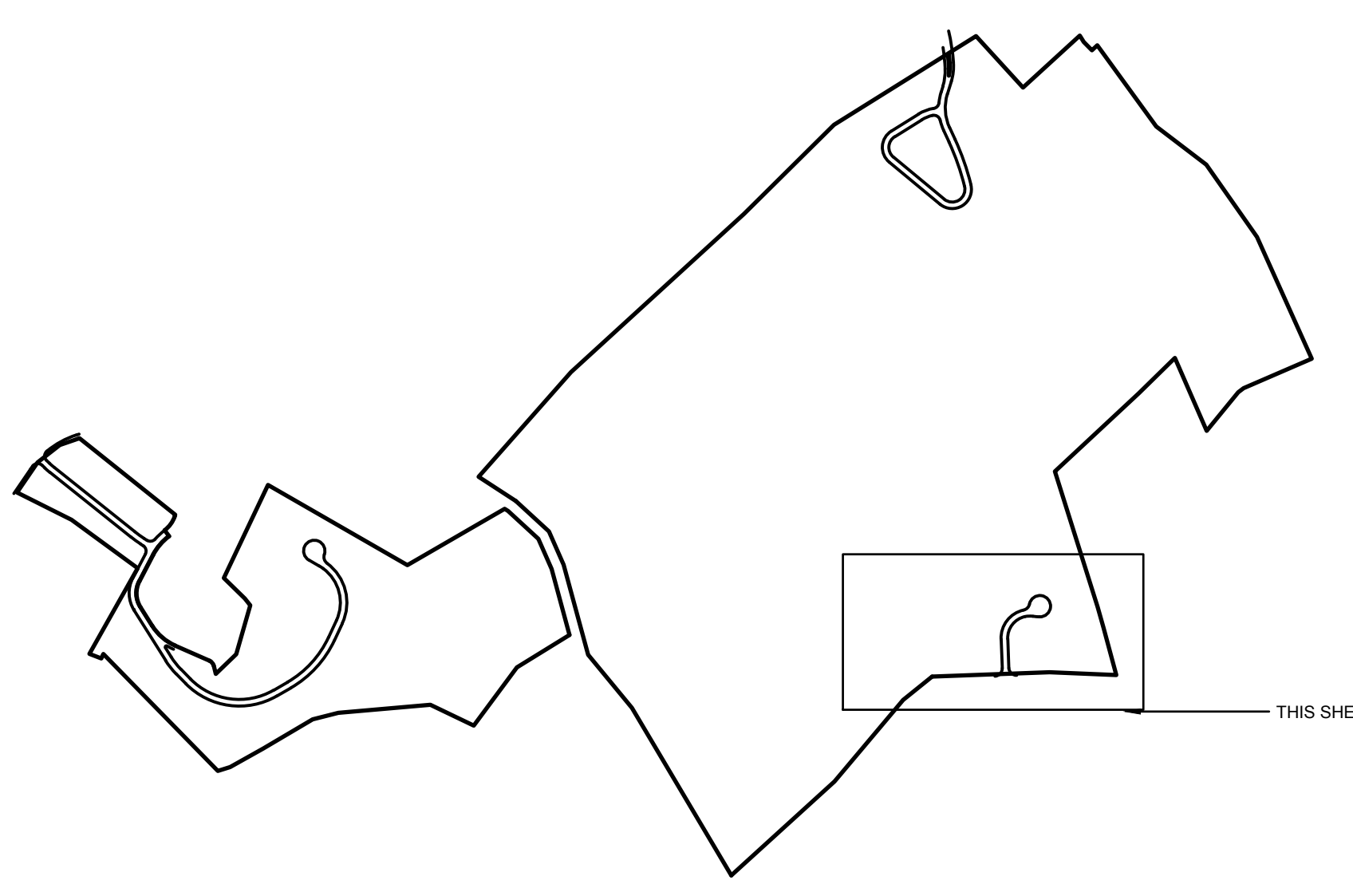
SHRUB PLANTING
N.T.S.



TREE PLANTING DETAIL
N.T.S.

TREE AND SHRUB PLANTING

1. ALL TREES AND SHRUBS SHALL BE PLANTED IN CIRCULAR PITS 1 FOOT CLEAR ON ALL SIDES AND BOTTOM OF ROOT BALL AND BACKFILL WITH A MIXTURE OF 7 PARTS TOPSOIL, 1 PART ROTTED MANURE.
2. ALL PLANT MATERIAL SHALL HAVE VIGOROUS ROOT GROWTH AND BE FREE FROM ROOT INJURY AND DISEASE IN ANY FORM.
3. ALL PLANT MATERIALS SHALL BE NURSERY GROWN WITH SIZE GRADUATION, ROOTBALL AND DIAMETER AND SPREAD CONFORMING WITH THE STANDARDS OF THE AMERICAN STANDARD OF NURSEY MEN.
4. STREET TREES SHALL NOT BE PLANTED WITHIN 10' OF A FIRE HYDRANT, DRIVEWAY APRON OR STORMWATER PIPE/CATCH BASIN OR WITHIN 25' OF ANY STREET LIGHT, STREET SIGN OR POINT OF CURVATURE OR TANGENCY OF ANY CORNER.
5. THERE SHALL BE NO PLANT SUBSTITUTIONS UNLESS AUTHORIZED BY THE STAFF OF THE BROOKHAVEN TOWN PLANNING DEPARTMENT.
6. ALL PLANT MATERIAL GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING CERTIFICATE OF OCCUPANCY.
7. ALL PLANTING BEDS TO BE MULCHED WITH 2" OF SHEDDED BARK.
8. ALL PLANTING BEDS TO RECEIVE 4" OF SCREENED TOPSOIL PRIOR TO PLANT INSTALLATION.
9. NO PLANT MATERIAL, EXCEPT LAWN OR GROUND COVER, IS TO BE LOCATED WITHIN 2' OF ANY PARKING LOT CURBS.



THIS SHEET

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

R.B. IGNATOW
 LANDSCAPE ARCHITECT
 91 GREEN STREET
 HUNTINGTON, NY 11743

1 REVISED LAYOUT 06-15-2018 No. REVISION DATE		FOR TOWN USE
OWNER: F.T.C., INC. AND ROBERG REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY, 11768 (631) 261 - 5700		
APPLICANT: THE PRESERVE AT INDIAN HILLS HALPPAUGUE, NY, 11788 (631) 261 - 4000		LANDSCAPE PLAN 3 FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 16, 19 AND P/O 22
		NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM
DRAWN BY: GEO CHECKED BY: JM DATE: NOVEMBER, 2017	CADD No: PM 2018 000A.DWG FILE NO.: 400-014 PROJECT NO.: 86047	SCALE: 1"=50' DRAWING NO.: LP - 103 SHEET NO.: 28 of 35

DLC
PRODUCT OVERVIEW

American Revolution Full Cutoff LED Series 247CL



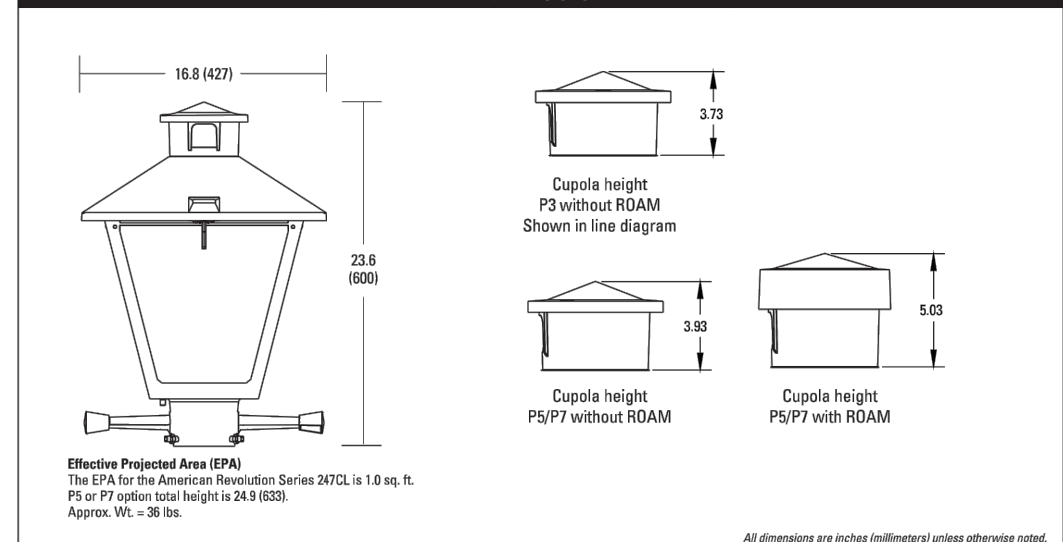
- Features:**
- Die-cast aluminum housing and hood for long-life performance
 - Die-cast trigger switch (T/S) and captive thumb screws option available for easy access to internal components
 - Optical assembly designed for maximum performance, available in Type II, Type III and Type IV
 - Hinged hood and captive thumb screws provision afford quick, easy access to internal and optical area for servicing
 - Signature with three set screws allows secure installation to pole sizes 2-3/8" or 3" O.D.
 - Surge protection device (standard) exceeds ANSI C83.41 Category C1 criteria (surge tested at 10kV/50kA)
 - Complies with ANSI: C136.2, C136.10, C136.15
 - CSA listed and available for up to 30°C ambient
 - Rated L70, L80 life greater than 100,000 hours at 25°C
 - Replaces up to 150W PPS light source incandescent models
 - LED electronics (90-100 lumen/watt driver)
 - Designlight's Conservation® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Product List at www.dlcqualified.com to confirm which version are qualified.

Applications:

- Streetscape
- Walkways
- Pathways
- Parks

CAT. # 247CL 20LEDE70 MVOLT 4K R3 PCLL

DIMENSIONS



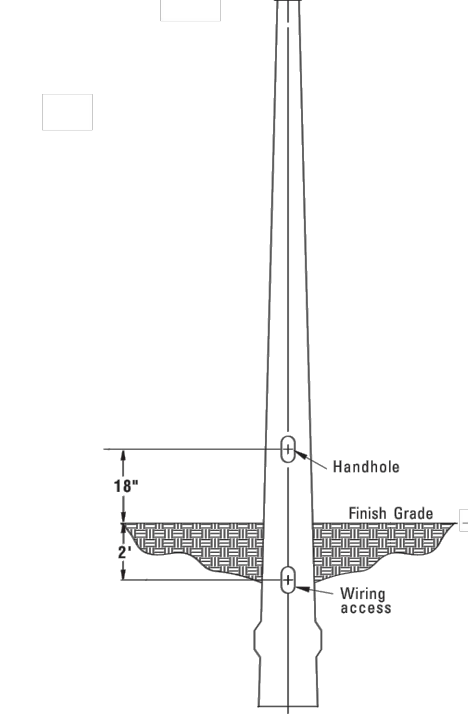
Note: Specifications subject to change without notice. American Revolution Full Cutoff Series 247CL LED



RTFDB Round Tapered Fiberglass Poles - Direct Burial

Catalog Number	Nominal Section Elevation Height (feet)	Pole shaft dia (in x O.D.)	EPF (ft) with 1.2 gal			Max. weight (pounds)	Approximate shipping weight (pounds)
			90' HPS	100' HPS	110' HPS		
RTFDB 20-6-4X	14	6.8 x 6.1 x 20	14.0	15.4	7.9	150	26
RTFDB 20-6-7X	15	6.7 x 6.1 x 20	10.0	7.4	5.5	100	28
RTFDB 20-6-8X	20	6.7 x 6.1 x 20	8.2	5.8	4.1	100	48
RTFDB 20-6-9X	25	6.2 x 6.1 x 20	6.2	4.7	3.8	100	71
RTFDB 20-6-4X	25	8.4 x 4.7 x 20	14.5	11.2	6.3	200	98
RTFDB 20-6-4X	30	8.4 x 4.7 x 20	16.5	13.0	6.2	200	116
RTFDB 20-6-5X	30	8.8 x 6.1 x 20	14.0	11.6	7.0	300	120
RTFDB 41-11-4X	35	11.8 x 6.4 x 41	14.3	10.8	7.8	300	218

POLE DETAIL

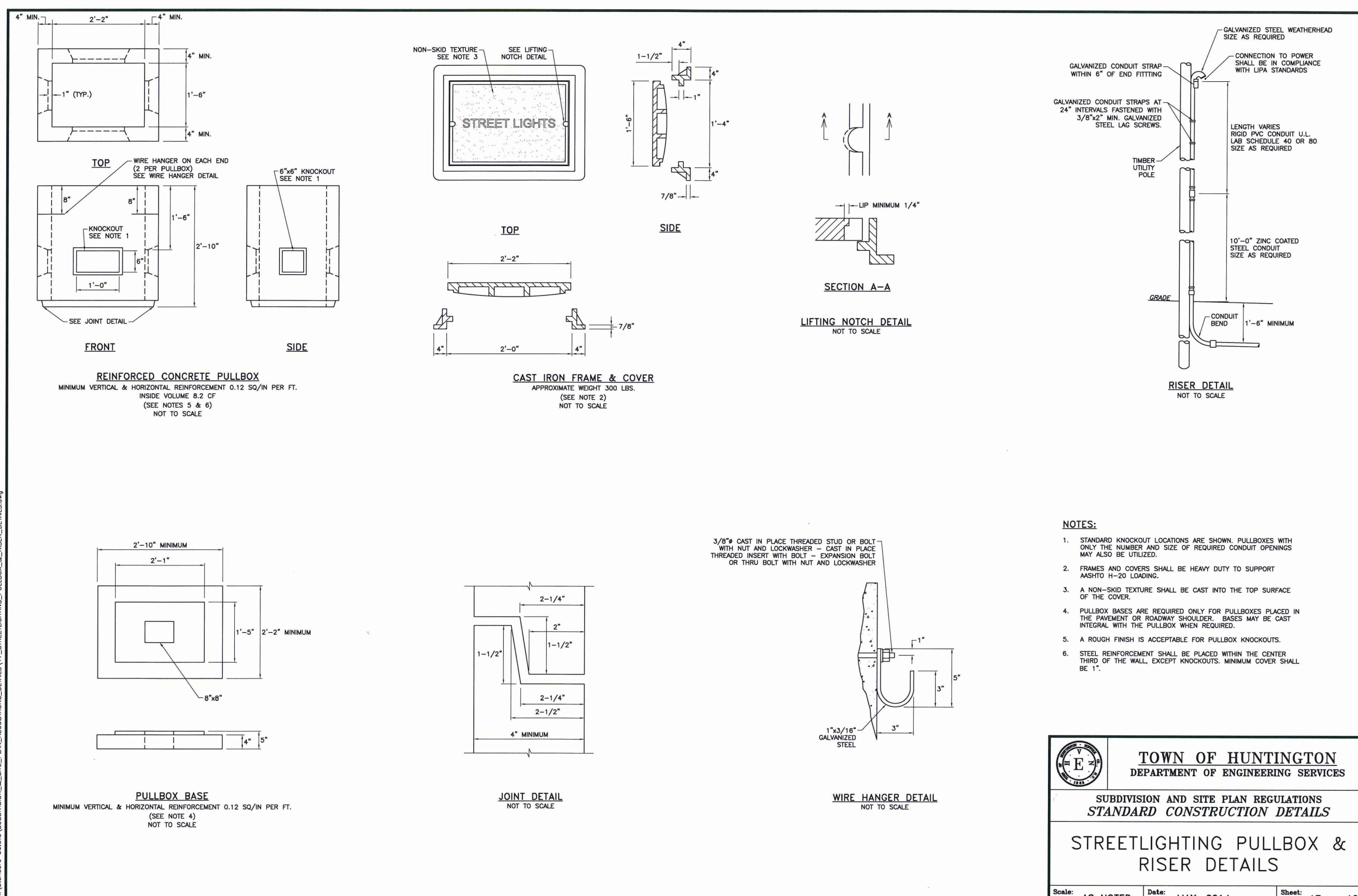
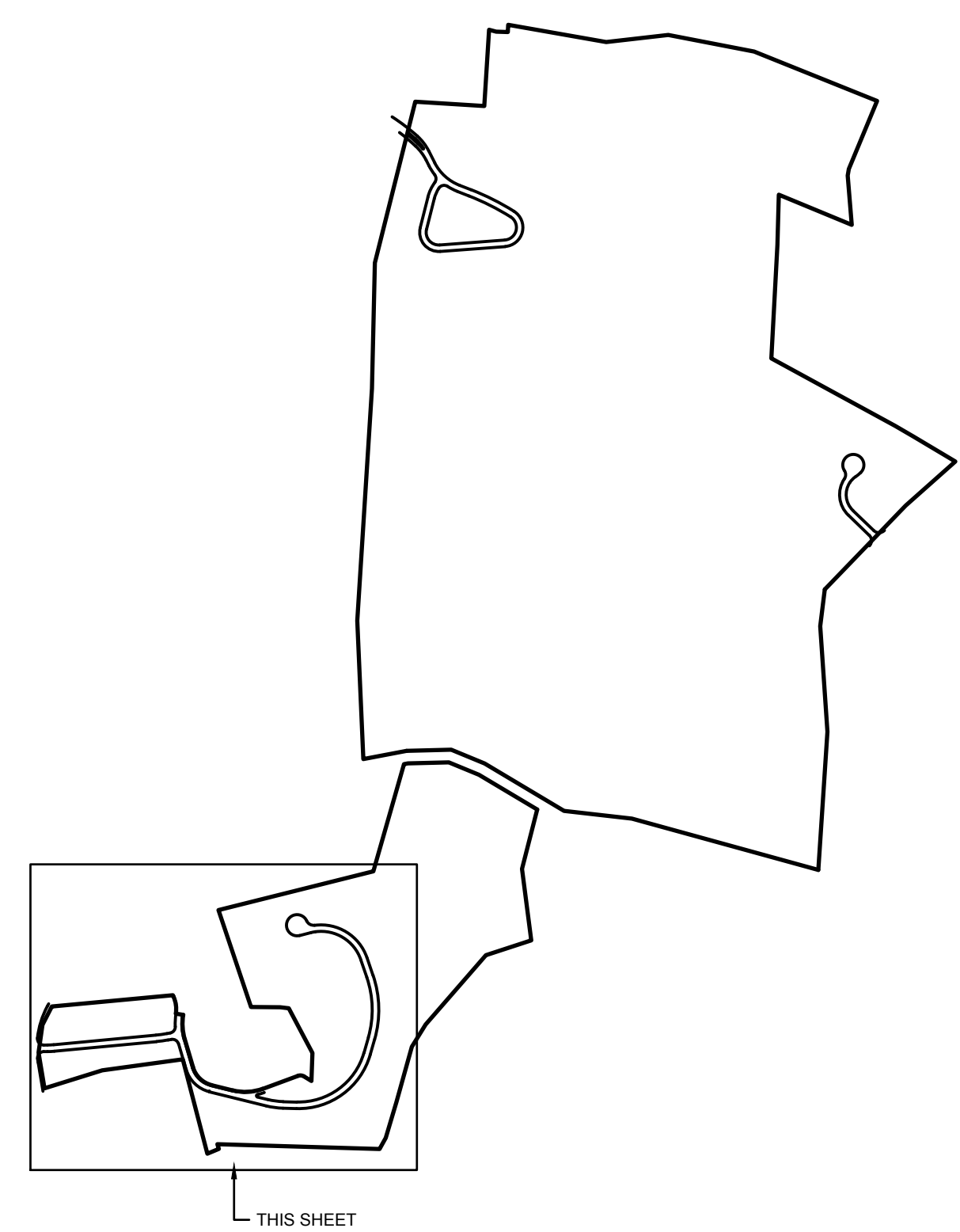


IMPORTANT:
These specifications are intended for general purposes only. Lithonia reserves the right to change material or design without prior notice in a continuing effort to improve its products.



Sheet #: Pole-RTFDB

Lithonia Lighting
3000 Peachtree Drive, Cumming, GA 30007
Phone: (770) 886-8888 Fax: (770) 886-1338
www.lithonia.com



TOWN OF HUNTINGTON
DEPARTMENT OF ENGINEERING SERVICES
SUBDIVISION AND SITE PLAN REGULATIONS
STANDARD CONSTRUCTION DETAILS
STREETLIGHTING PULLBOX & RISER DETAILS
Scale: AS NOTED DATE: MAY, 2014 Sheet: 17 of 15

LEGEND

EXISTING

- PAVEMENT ELEVATION
- TOP OF CURB ELEVATION
- BOTTOM OF CURB ELEVATION
- SPOT ELEVATION
- ELECTRIC BOX
- PULL BOX
- FIRE HYDRANT
- GAS VALVE
- WATER VALVE
- TRANSFORMER
- ELECTRIC POLE
- LIGHT POLE
- HIGH-TENSION TOWER
- W.M.
- W.S.
- WATER MAIN
- WATER SERVICE
- G.M.
- CONTOUR
- ELECTRIC
- WATER
- GAS
- FENCE
- SANITARY SEWER
- TELEPHONE
- OVERHEAD WIRE
- DRAINAGE
- CONDUIT
- DRAINAGE MANHOLE
- CATCH BASIN
- TREE TO BE REMOVED
- TREE TO REMAIN
- MONUMENT

PROPOSED

- TOP OF CURB ELEVATION
- BOTTOM OF CURB ELEVATION
- SPOT ELEVATION
- LEACHING POOL
- CATCH BASIN
- SANITARY MANHOLE
- DRAINAGE MANHOLE
- CONTOUR
- LEACHING POOL W/ OPEN GRATE
- LEACHING POOL W/ SOLID COVER
- DRAINAGE BASIN
- CATCH BASIN
- HYDRANT
- STREET TREE
- W/ SYMBOL
- WATER
- FIRE SERVICE
- WATER SERVICE
- ELECTRIC
- GAS
- FENCE
- SANITARY HOUSE CONNECTION
- DRAINAGE
- ROOF DRAIN
- TELEPHONE
- TELEVISION
- LIMIT OF CLEARING AND GRADING DURING CONSTRUCTION
- CONCRETE SIDEWALK / CONCRETE APRON

LEGEND

- PROPOSED STREET LIGHT (SINGLE LUMINAIRE)
- PROPOSED SPICE BOX
- (3) #6 AWG IN 1.25" GALVANIZED STEEL CONDUIT OR (3) #6 AWG IN 1 1/4" SCHEDULE 80 PVC CONDUIT

SCALE: 1" = 60'

FOR TOWN USE

1. REVISE LAYOUT	06-15-2018
No. REVISION	DATE

OWNER
P.L.C. INC. AND ROBBERG REVOCABLE TRUST
21 BREEZE HILL ROAD
NORTHPORT, NY, 11786
(631) 261-5700

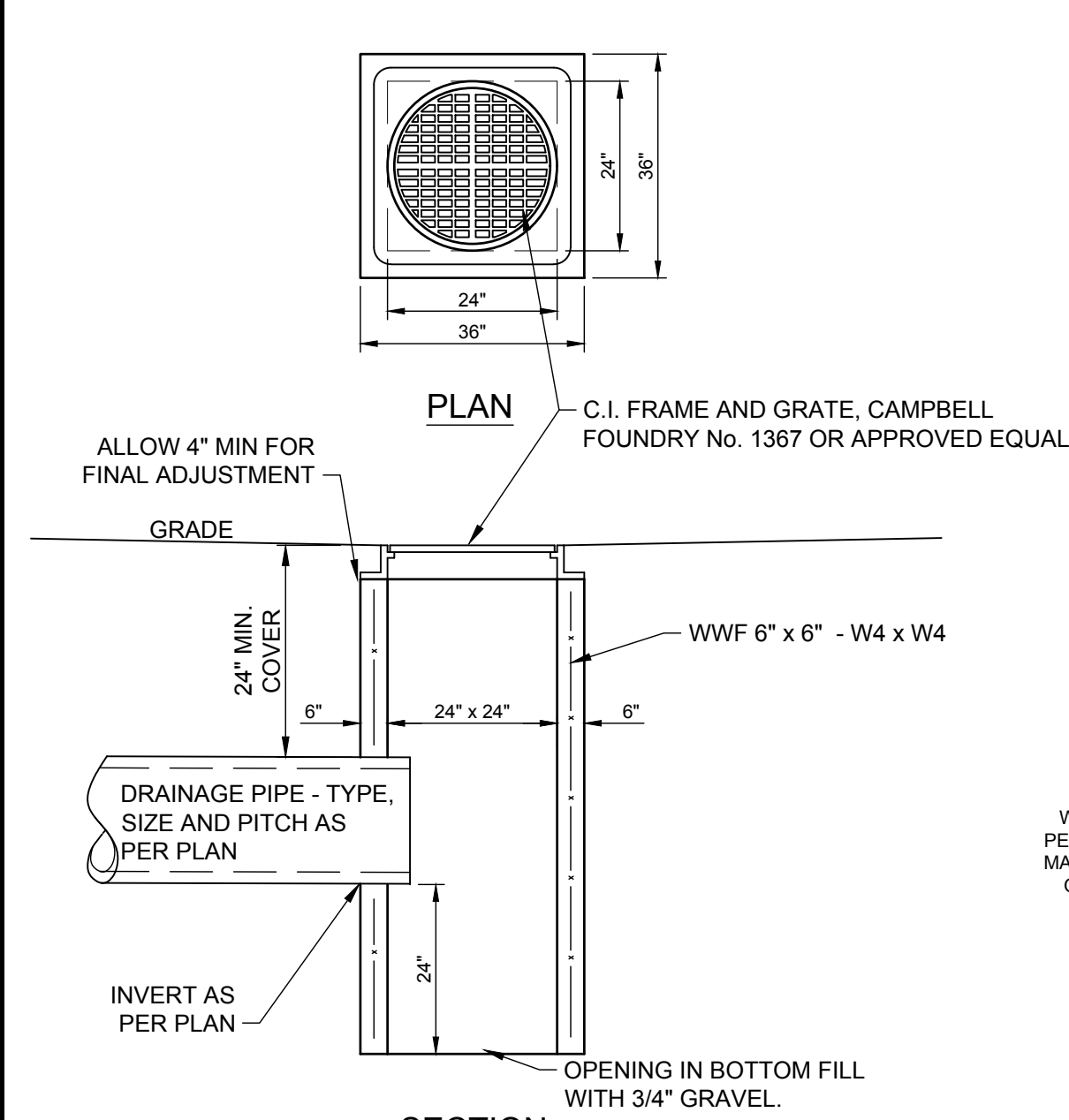
APPLICANT:
THE PRESERVE AT INDIAN HILLS
1 RABRO DRIVE, SUITE 100
HAUPPAUGE, N.Y. 11788
(631) 351-4500

LEGHTING PLAN - SOUTH PARCEL
FOR
THE PRESERVE AT INDIAN HILLS
SITUATED AT
NORTHPORT
TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 16 AND PLO 22

N&P NELSON & POPE
ENGINEERS & SURVEYORS
572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747
PHONE (631) 427-5665 FAX (631) 427-5620
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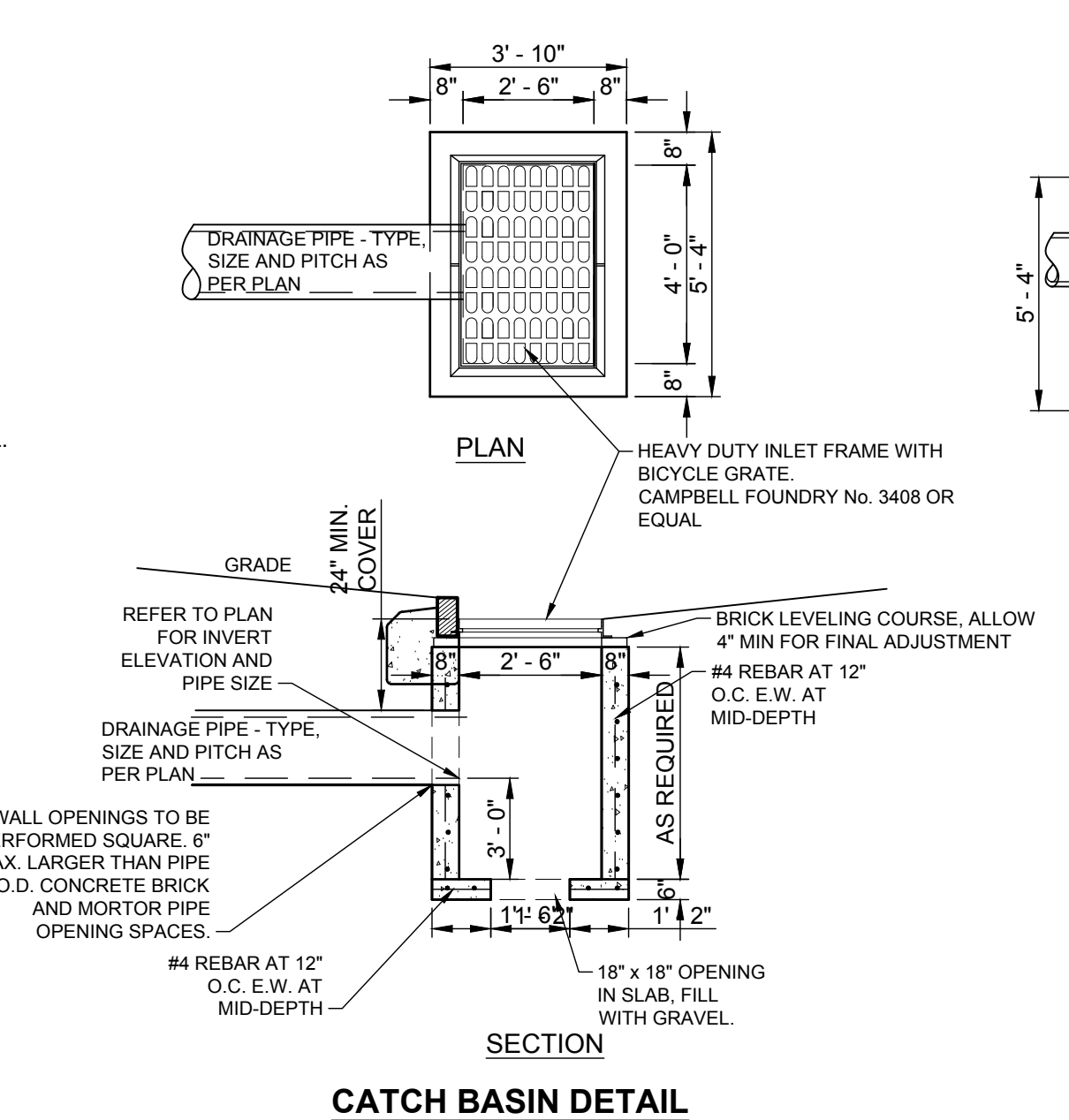
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CHECKED BY: JM FILE NO.: 490-014 1"=60' LI-102
DATE: DECEMBER, 2017 PROJECT NO.: 86047 SHEET NO. 30 of 35

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.



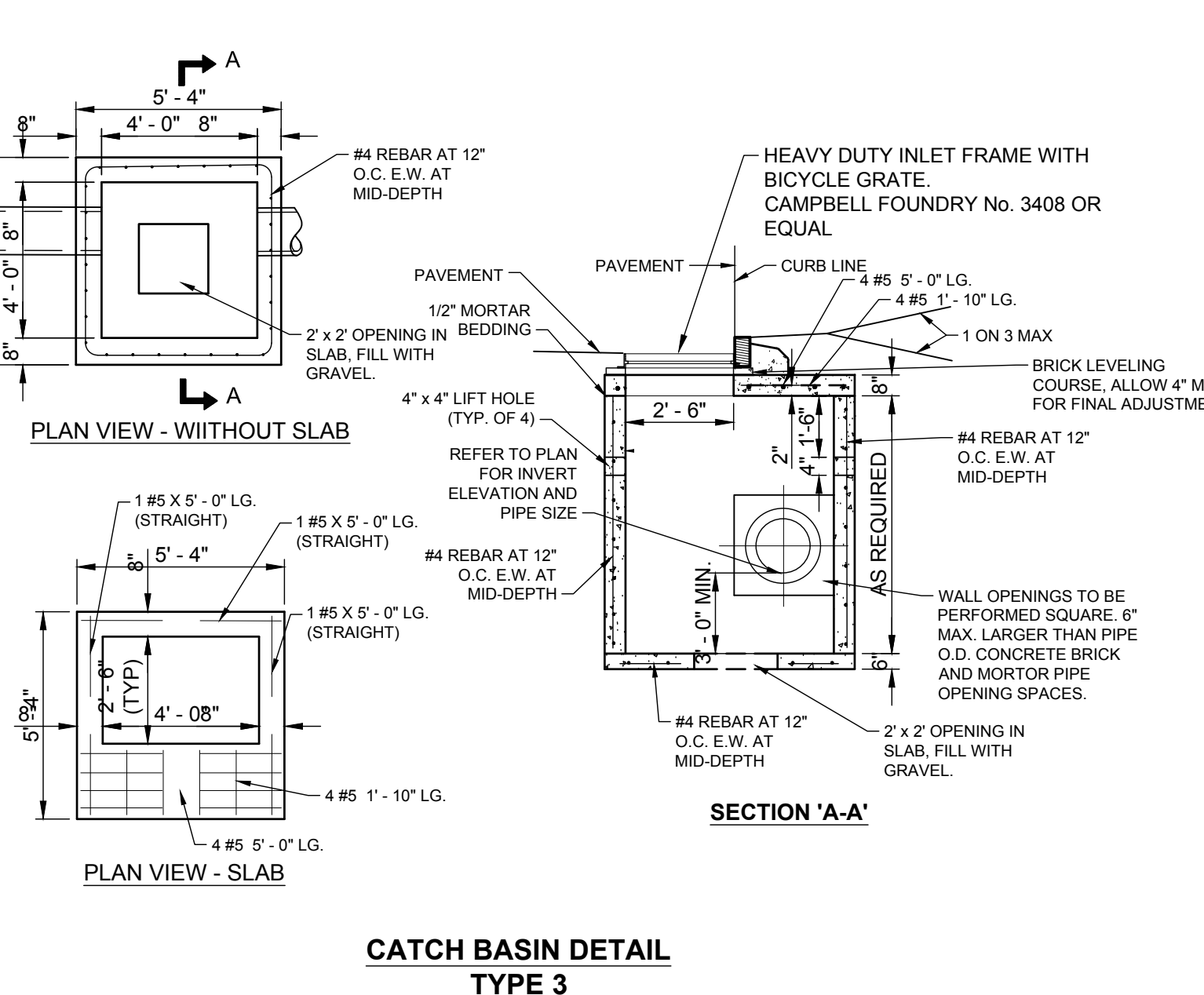
DRAINAGE BASIN DETAIL DB
NOT TO SCALE

- NOTES:**
1. CONCRETE TO BE 1:2:4 MIX WITH A 4" - 5" SLUMP AND AGGREGATE PASSING THE 3/4" SIEVE.
 2. ALL DRAINAGE PIPES MUST BE PROVIDED WITH A MINIMUM COVER OF 2' - 0".
 3. ALL CONCRETE TO BE 4,000 PSI, AT 28 DAYS, AND AIR ENTRAINED.
 4. WWF SHALL MEET A82 AND A185. REBAR SHALL MEET ASTM A615, GRADE 60.
 5. WINDOW TO BE CAST IN STRUCTURE AS REQUIRED. KNOCK-OUT PANELS WILL NOT BE PERMITTED.



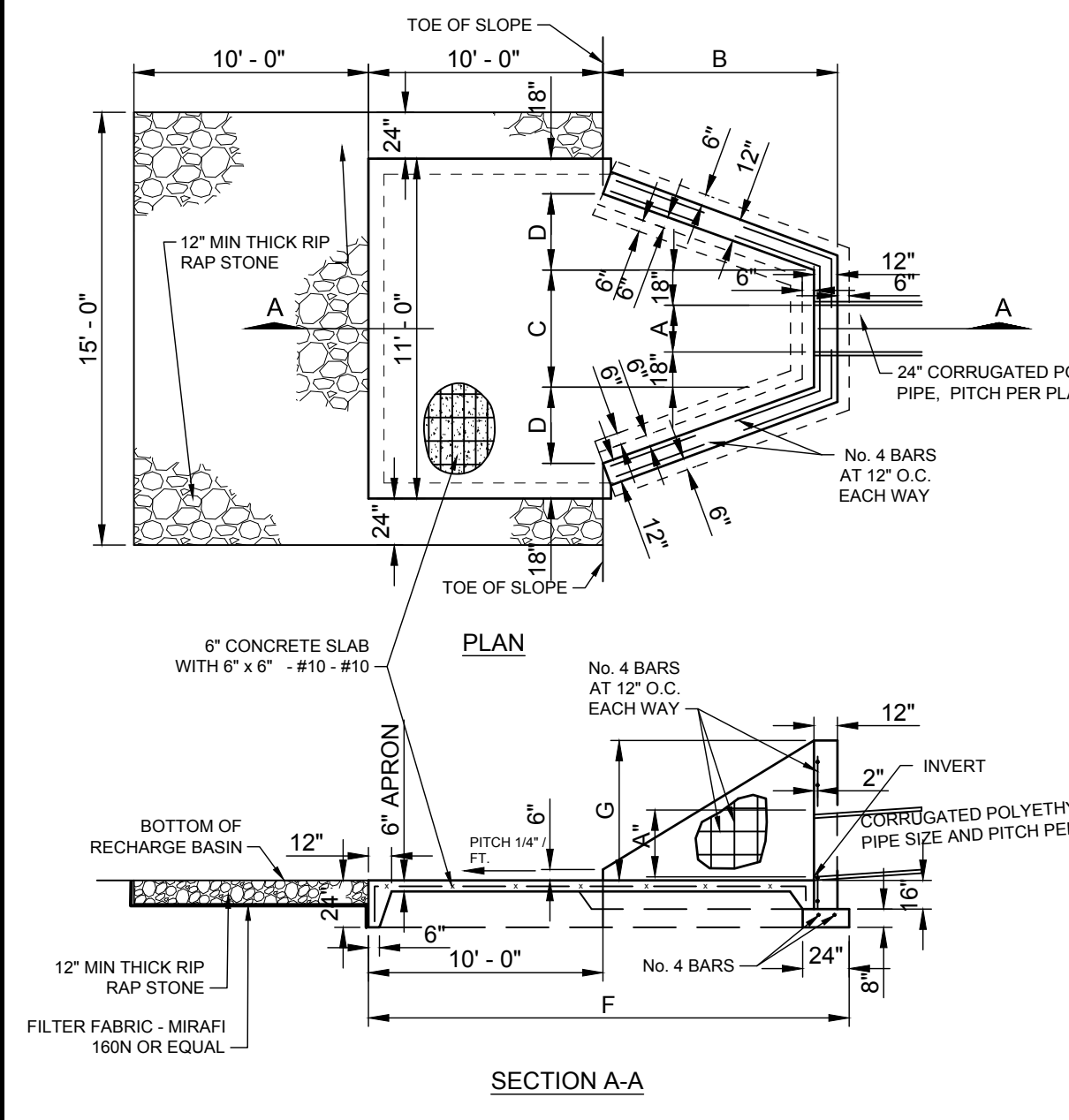
CATCH BASIN DETAIL TYPE 1
NOT TO SCALE

- NOTES:**
1. CONCRETE TO BE 1:2:4 MIX 4" - 5" SLUMP AGGREGATE PASSING 3/4" SIEVE.
 2. ALL DRAINAGE PIPES MUST BE PROVIDED WITH A MINIMUM COVER OF 2' - 0".
 3. ALL CONCRETE TO BE 4,000 PSI, AT 28 DAYS.
 4. WWF A82 AND A185, REBAR ASTM A615, GRADE 60.
 5. W.W.M. 18" x 6" - 448 P.S.I. 60,000 P.S.I. A.S.T.M. A-185 PROVIDE 1 1/2" COVER AT ENDS OF VERTICAL WIRES, 1" RADIUS BENDS AT CORNERS.
 6. UTILIZE 4 LIFT HOLES FOR HANDLING.
 7. WINDOW TO BE CAST IN STRUCTURE AS REQUIRED. KNOCK-OUT PANELS WILL NOT BE PERMITTED.



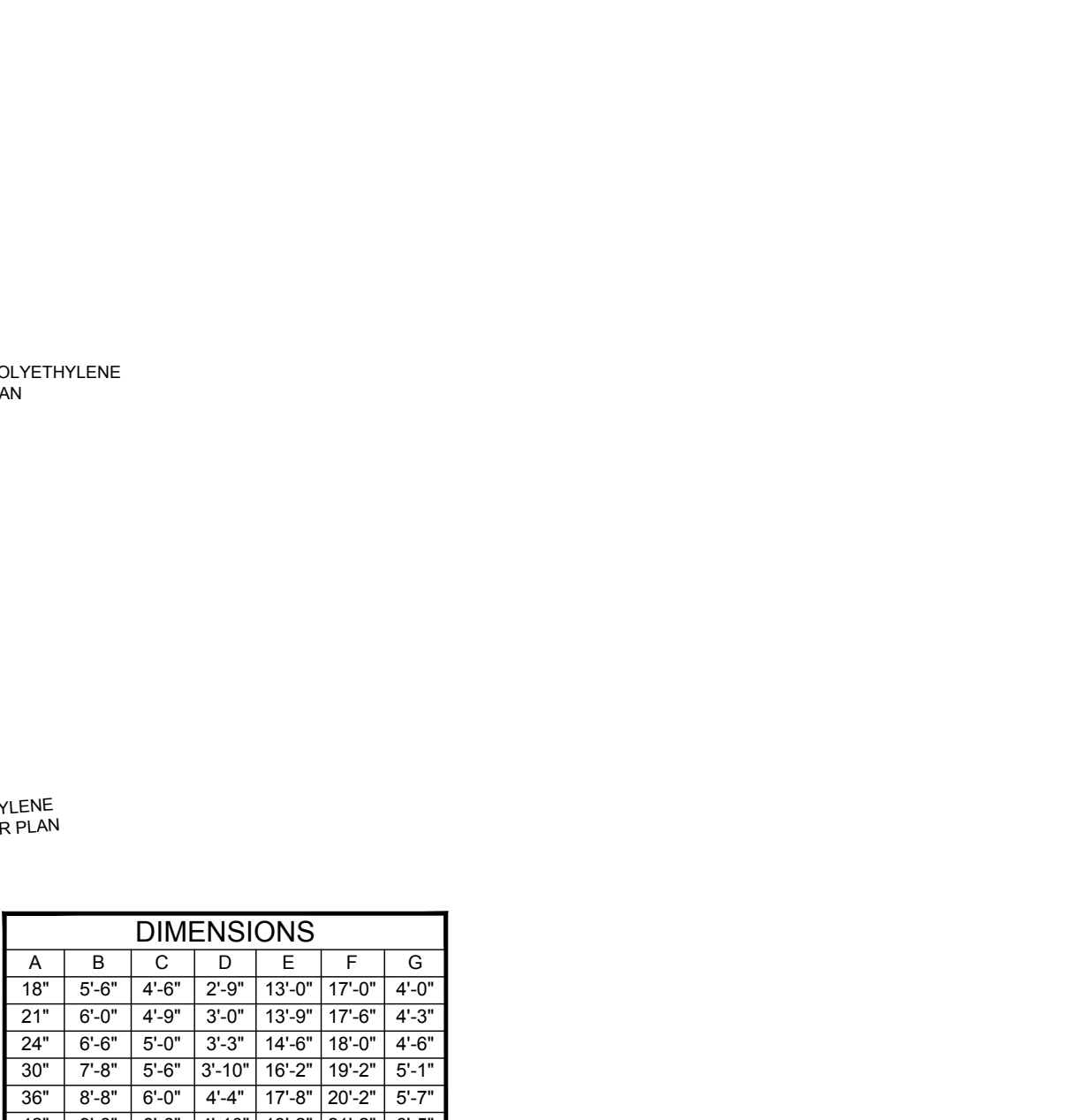
CATCH BASIN DETAIL TYPE 3
NOT TO SCALE

- NOTES:**
1. CONCRETE TO BE 1:2:4 MIX 4" - 5" SLUMP AGGREGATE PASSING 3/4" SIEVE.
 2. ALL DRAINAGE PIPES MUST BE PROVIDED WITH A MINIMUM COVER OF 2' - 0".
 3. ALL CONCRETE TO BE 4,000 PSI, AT 28 DAYS.
 4. WWF A82 AND A185, REBAR ASTM A615, GRADE 60.
 5. W.W.M. 18" x 6" - 448 P.S.I. 60,000 P.S.I. A.S.T.M. A-185 PROVIDE 1 1/2" COVER AT ENDS OF VERTICAL WIRES, 1" RADIUS BENDS AT CORNERS.
 6. UTILIZE 4 LIFT HOLES FOR HANDLING.
 7. WINDOW TO BE CAST IN STRUCTURE AS REQUIRED. KNOCK-OUT PANELS WILL NOT BE PERMITTED.



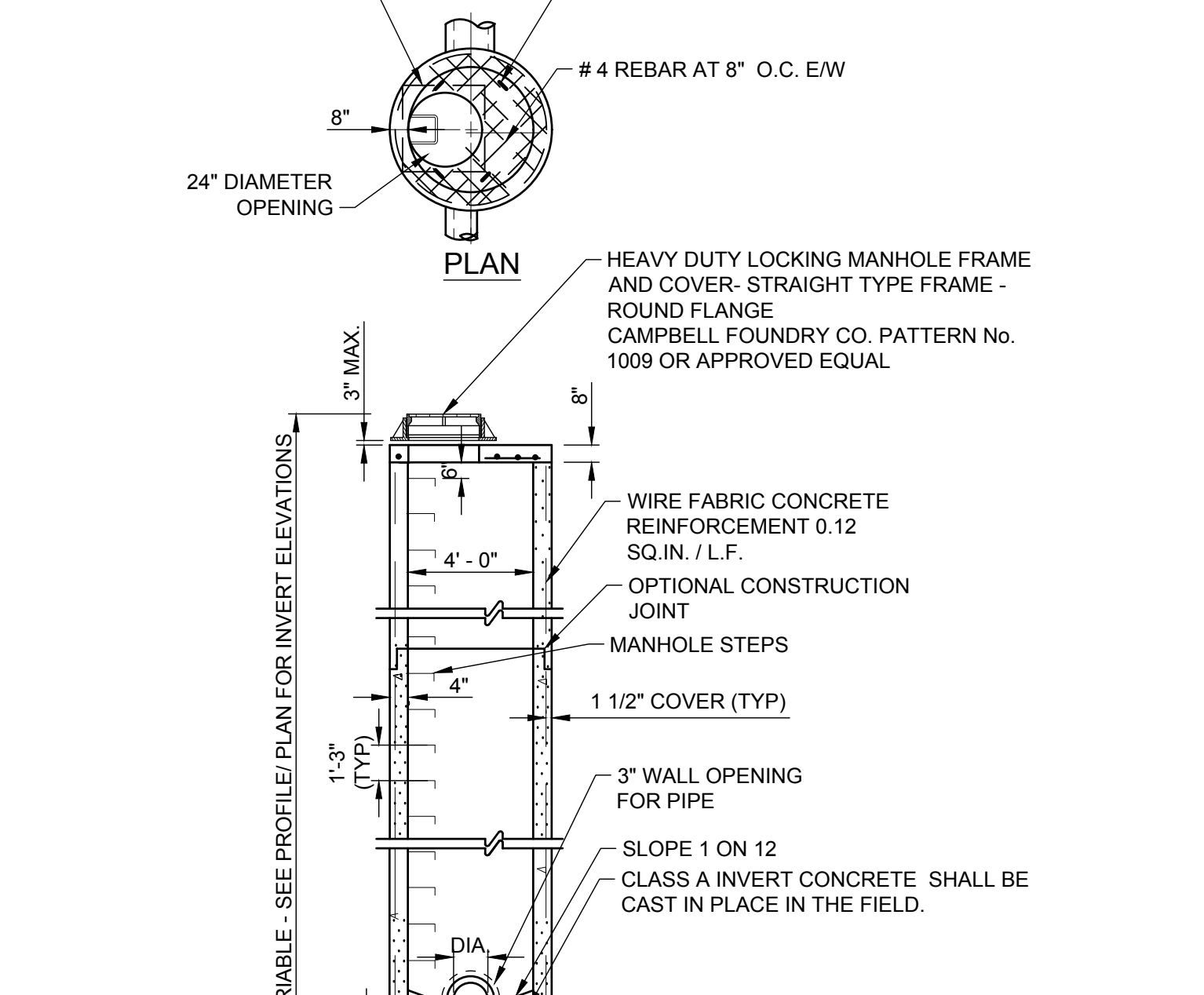
DRAINAGE MANHOLE DETAIL DMH ON-SITE
NOT TO SCALE

- NOTES:**
1. CONCRETE TO BE CLASS A - AIR ENTRAINED.
 2. ALL DRAINAGE PIPES MUST BE PROVIDED WITH A MINIMUM COVER OF 2' - 0".
 3. ALL CONCRETE TO BE 4,000 PSI, AT 28 DAYS.
 4. WELDED WIRE MESH - ASTM A615 AND A185 - FLAT SHEETS.
 5. REBAR - ASTM A615, GRADE 60.
 6. CONCRETE SLAB SHALL BE STEEL TROWEL FINISHED.
 7. TO BE CONSTRUCTED MONOLITHICALLY EXCEPT AS NOTED OR APPROVED.



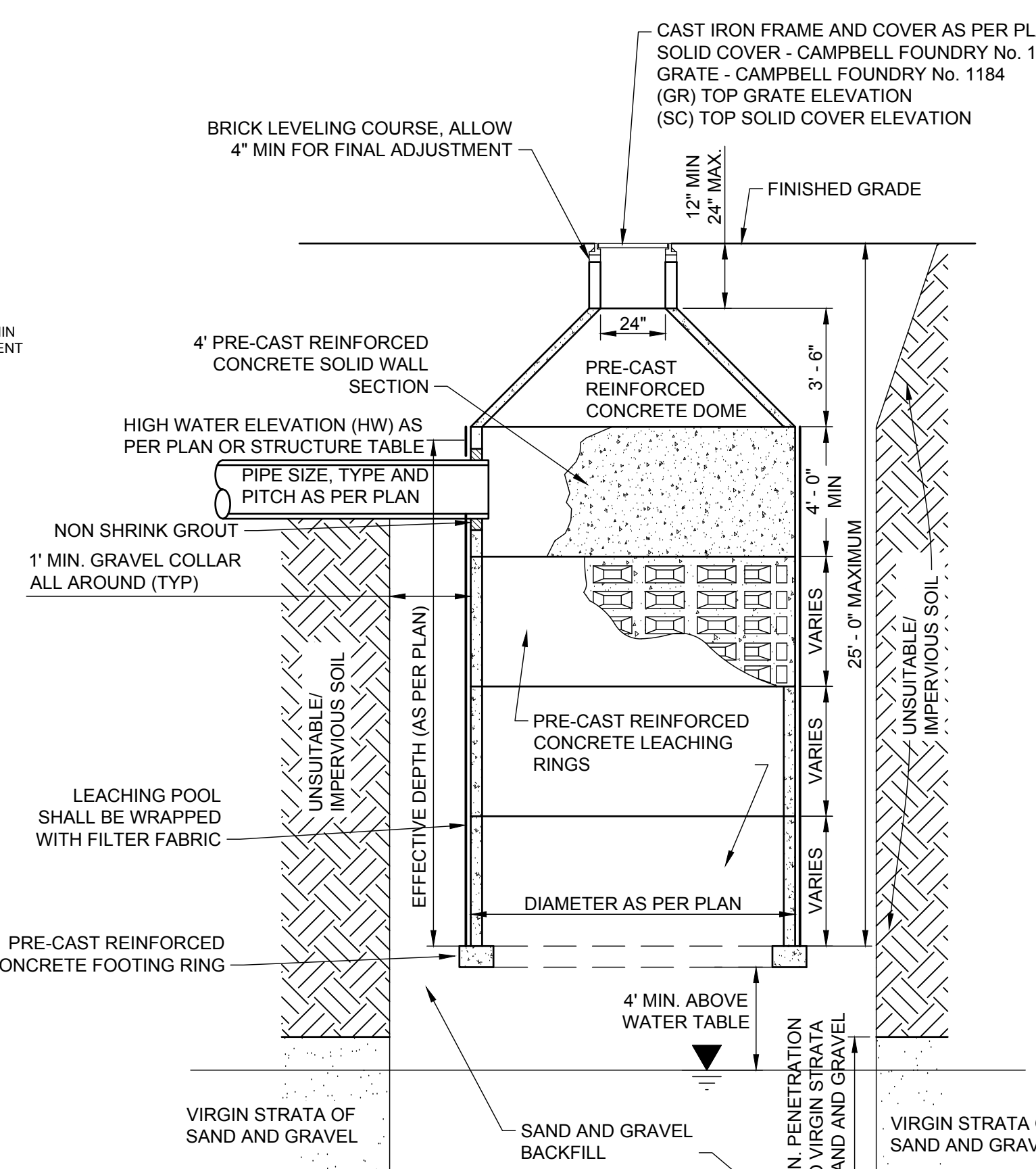
RECHARGE BASIN HEADWALL DETAIL
NOT TO SCALE

- NOTES:**
1. CONCRETE TO BE CLASS A - AIR ENTRAINED.
 2. ALL DRAINAGE PIPES MUST BE PROVIDED WITH A MINIMUM COVER OF 2' - 0".
 3. ALL CONCRETE TO BE 4,000 PSI, AT 28 DAYS.
 4. WELDED WIRE MESH - ASTM A615 AND A185 - FLAT SHEETS.
 5. REBAR - ASTM A615, GRADE 60.
 6. CONCRETE SLAB SHALL BE STEEL TROWEL FINISHED.
 7. TO BE CONSTRUCTED MONOLITHICALLY EXCEPT AS NOTED OR APPROVED.



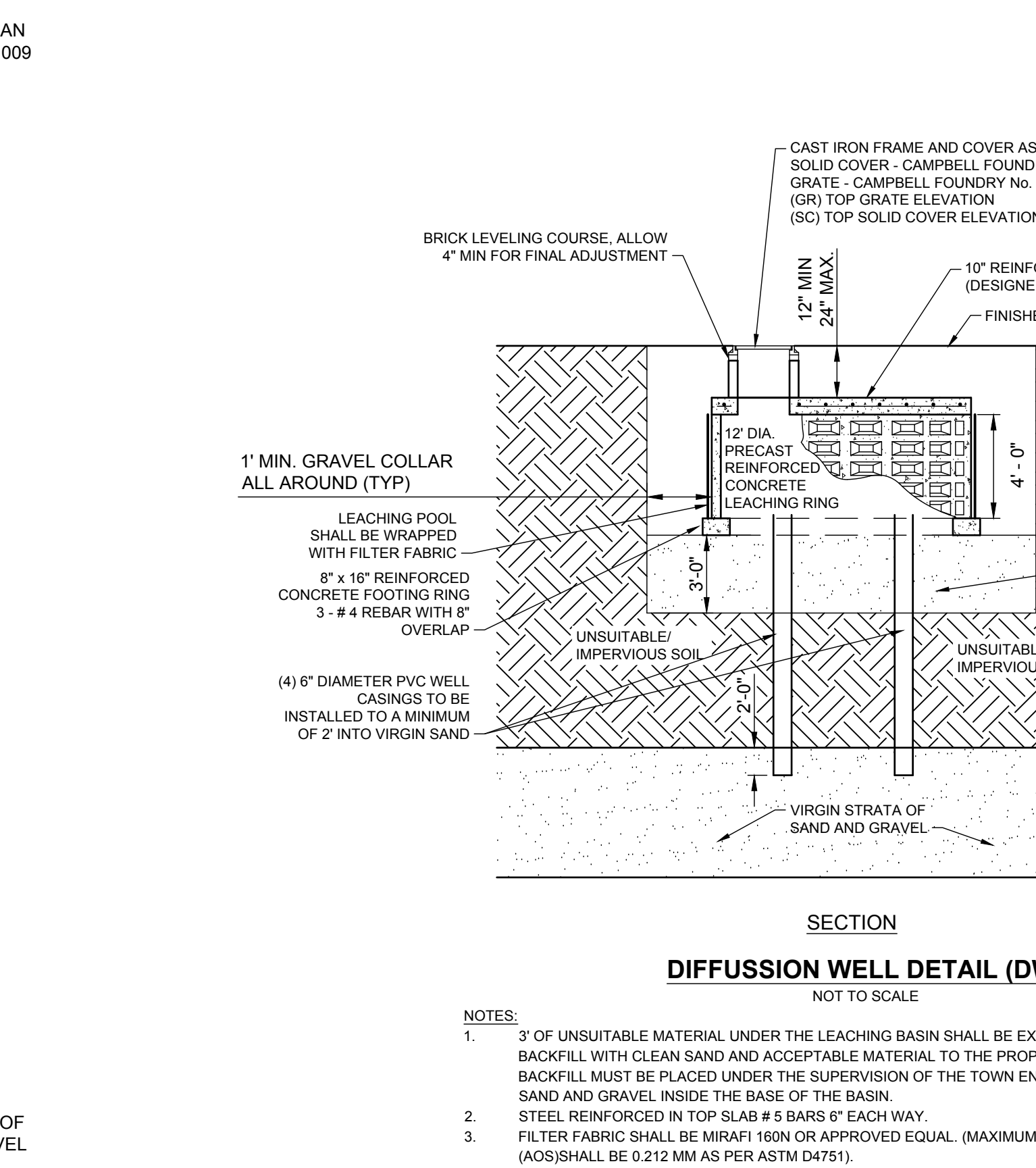
LEACHING POOL DETAIL TYPE B LP (T-B)
NOT TO SCALE

- NOTES:**
1. ALL DRAINAGE PIPES MUST BE PROVIDED WITH A MINIMUM 2'-0" OF COVER AND ENTER A SOLID WALL SECTION.
 2. ANY UNSUITABLE MATERIAL UNDER THE LEACHING BASIN SHALL BE EXCAVATED AND REMOVED UNTIL A VIRGIN STRATA OF SAND AND GRAVEL IS ENCOUNTERED. AN ADDITIONAL 6" IS THEN TO BE EXCAVATED INTO THE VIRGIN SAND AND GRAVEL. ALL BACKFILL MUST BE CLEAN AND ACCEPTABLE MATERIAL PLACED UNDER THE SUPERVISION OF THE TOWN ENGINEER. PROVIDE 2" OF CLEAN SAND AND GRAVEL INSIDE THE BASE OF THE BASIN.
 3. TOP DOME SHALL BE DESIGNED FOR AASHTO H-20 LOADING.
 4. FILTER FABRIC SHALL BE MIRAFI 160N OR APPROVED EQUAL. (MAXIMUM APPARENT OPENING SIZE (AOS) SHALL BE 0.212 MM AS PER ASTM D4751).
 5. CONCRETE: 4,000 PSI AT 28 DAYS.
 6. ALL PRECAST DRAINAGE STRUCTURES SHALL BE FURNISHED WITH PRECAST OPENINGS FOR DRAINAGE PIPE. KNOCK-OUT PANELS WILL NOT BE ACCEPTED.



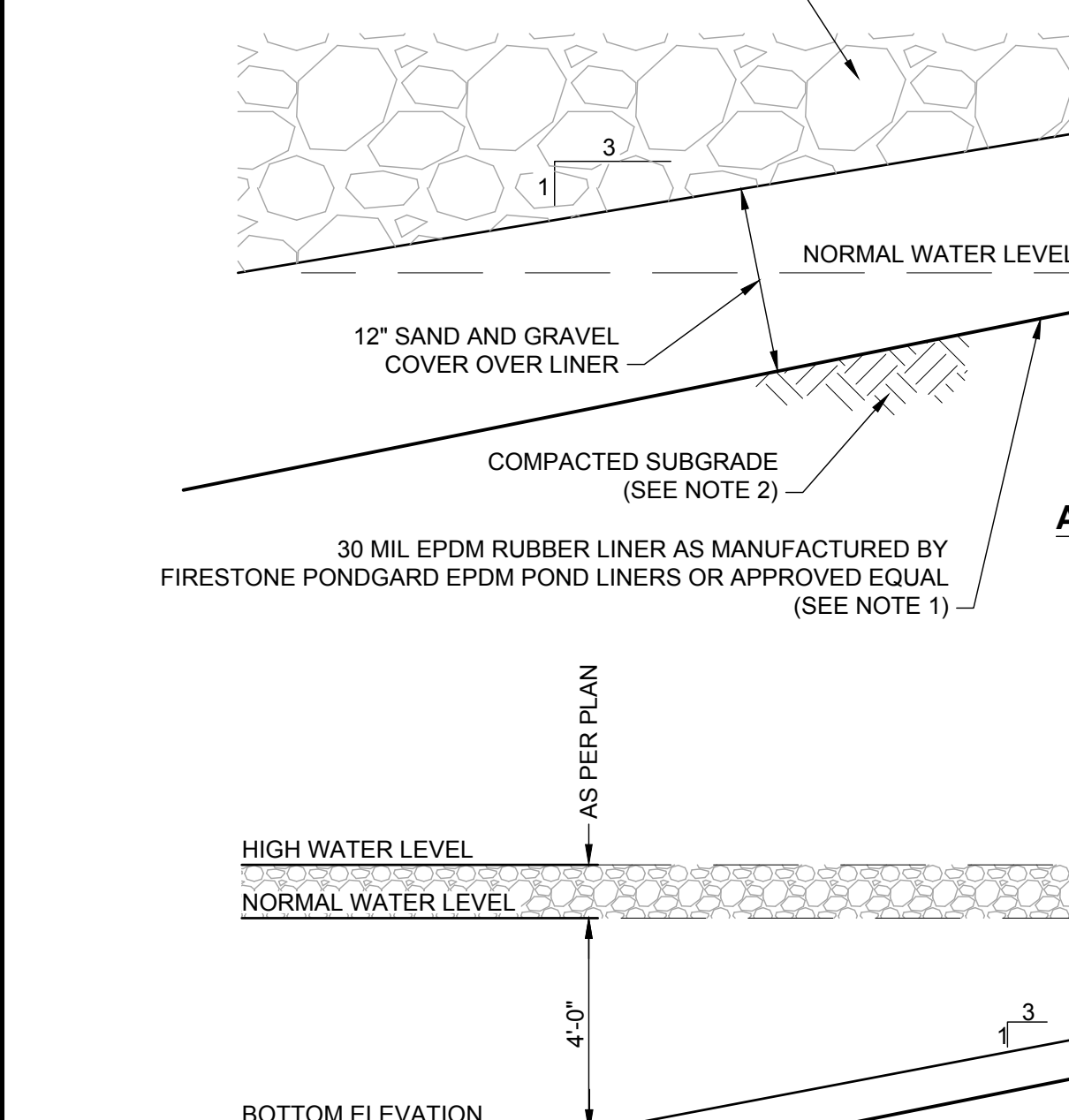
LEACHING POOL DETAIL TYPE A LP (T-A)
NOT TO SCALE

- NOTES:**
1. ALL DRAINAGE PIPES MUST BE PROVIDED WITH A MINIMUM 2'-0" OF COVER AND ENTER A SOLID WALL SECTION.
 2. ANY UNSUITABLE MATERIAL UNDER THE LEACHING BASIN SHALL BE EXCAVATED AND REMOVED UNTIL A VIRGIN STRATA OF SAND AND GRAVEL IS ENCOUNTERED. AN ADDITIONAL 6" IS THEN TO BE EXCAVATED INTO THE VIRGIN SAND AND GRAVEL. ALL BACKFILL MUST BE CLEAN AND ACCEPTABLE MATERIAL PLACED UNDER THE SUPERVISION OF THE TOWN ENGINEER. PROVIDE 2" OF CLEAN SAND AND GRAVEL INSIDE THE BASE OF THE BASIN.
 3. TOP DOME SHALL BE DESIGNED FOR AASHTO H-20 LOADING.
 4. FILTER FABRIC SHALL BE MIRAFI 160N OR APPROVED EQUAL. (MAXIMUM APPARENT OPENING SIZE (AOS) SHALL BE 0.212 MM AS PER ASTM D4751).
 5. CONCRETE: 4,000 PSI AT 28 DAYS.
 6. ALL PRECAST DRAINAGE STRUCTURES SHALL BE FURNISHED WITH PRECAST OPENINGS FOR DRAINAGE PIPE. KNOCK-OUT PANELS WILL NOT BE ACCEPTED.



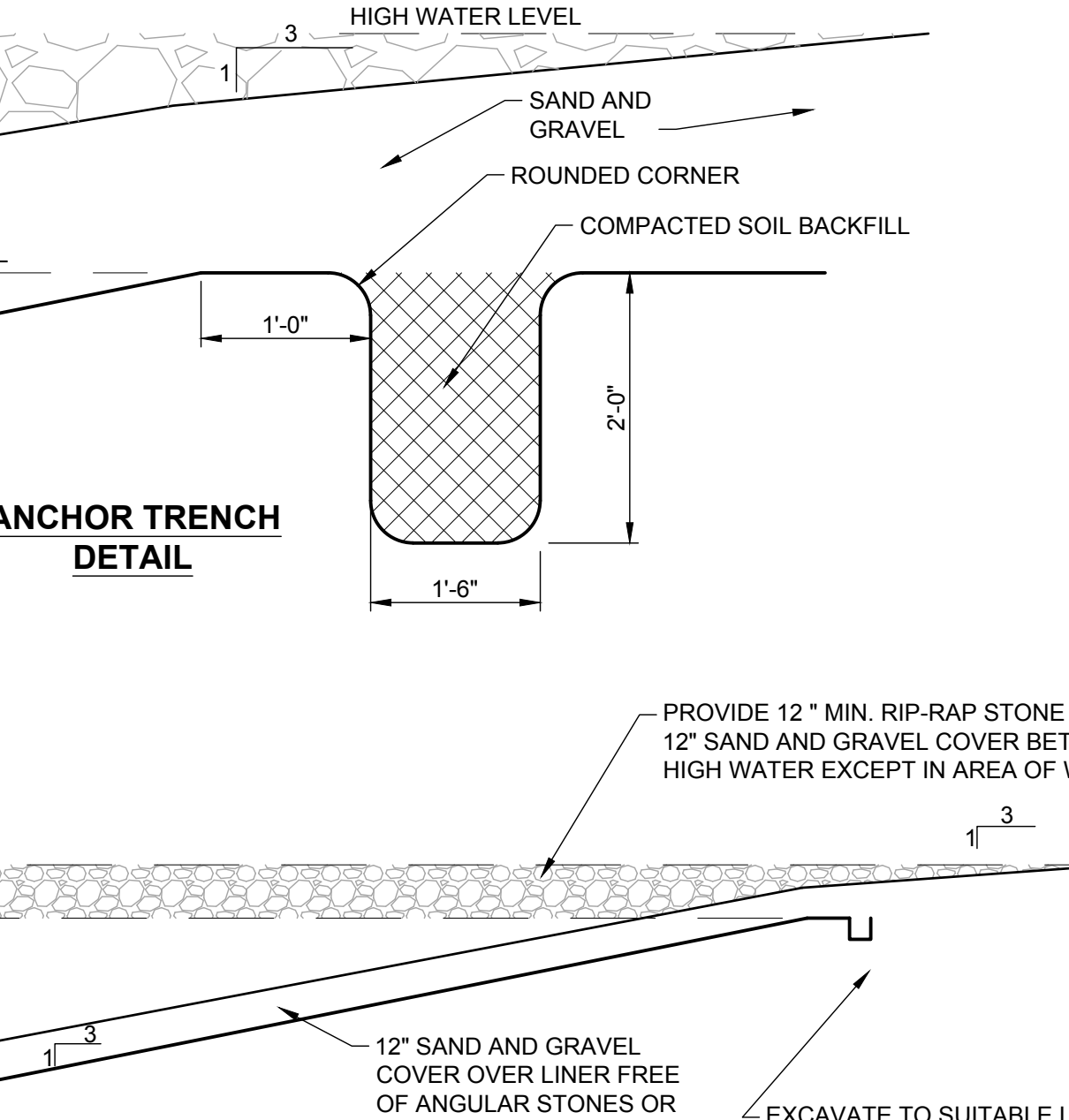
DIFFUSION WELL DETAIL (DW)
NOT TO SCALE

- NOTES:**
1. UNSUITABLE MATERIAL UNDER THE LEACHING BASIN SHALL BE EXCAVATED AND REMOVED. BACKFILL WITH CLEAN SAND AND ACCEPTABLE MATERIAL TO THE PROPOSED BOTTOM OF WELL. ALL BACKFILL MUST BE PLACED UNDER THE SUPERVISION OF THE TOWN ENGINEER. PROVIDE 2" OF CLEAN SAND AND GRAVEL INSIDE THE BASE OF THE BASIN.
 2. STEEL REINFORCED IN TOP SLAB # 4 BARS @ EACH WAY.
 3. FILTER FABRIC SHALL BE MIRAFI 160N OR APPROVED EQUAL. (MAXIMUM APPARENT OPENING SIZE (AOS) SHALL BE 0.212 MM AS PER ASTM D4751).
 4. CONCRETE: 4,000 PSI AT 28 DAYS, WWF A-185, REBAR ASTM A615, GRADE 60, TOP DOME DESIGNED FOR AASHTO H-20 LOADING.



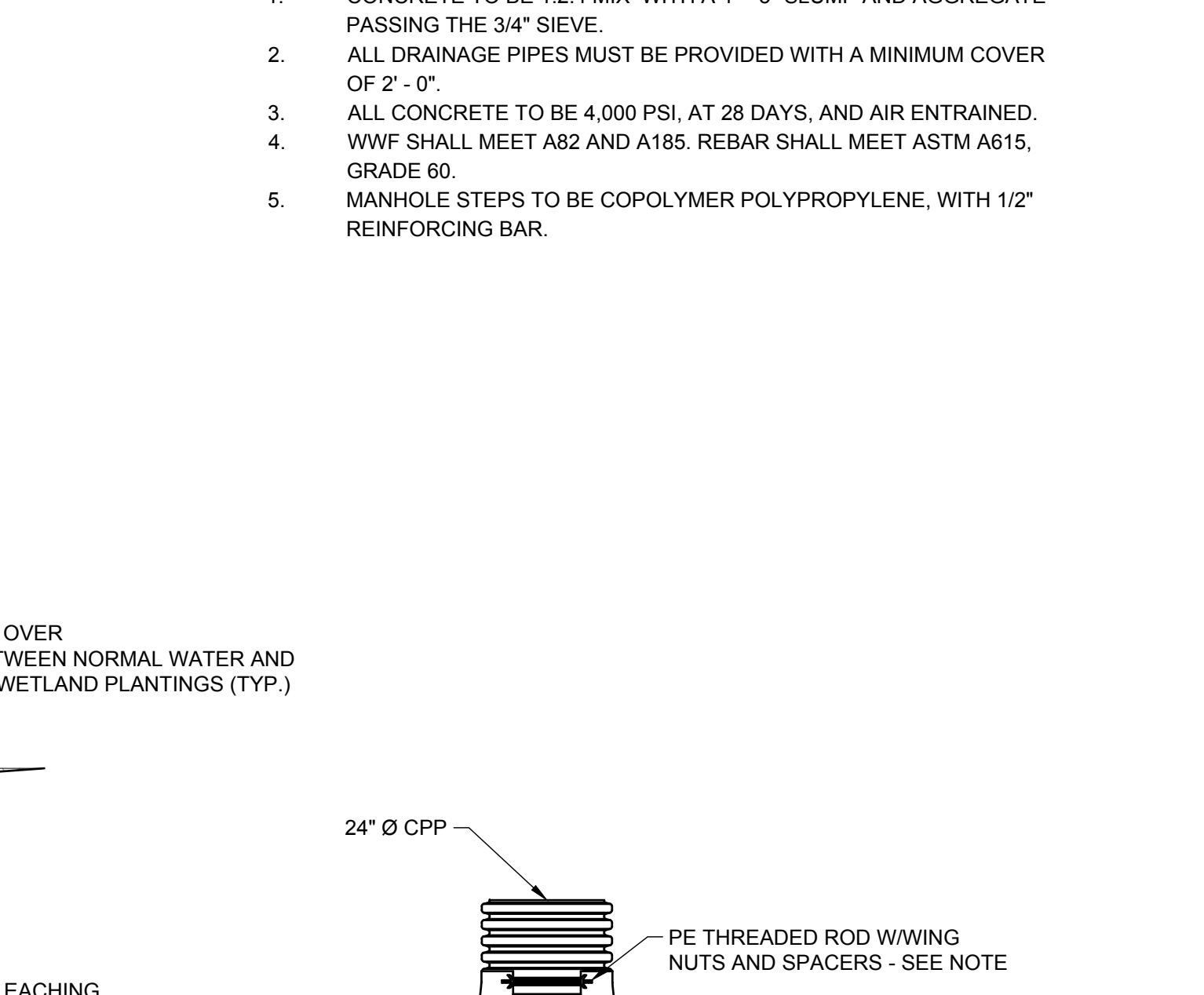
POND AREA - TYPICAL SECTION DETAIL
NOT TO SCALE

- NOTES:**
1. THE LINER SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS.
 2. THE COMPACTED SUBGRADE SHALL BE SMOOTH, FIRM, UNYIELDING AND FREE OF VEGETATION, CONSTRUCTION DEBRIS, STICKS, SHARP ROCKS, VOID SPACES, ICE, ABRUPT ELEVATION CHANGES, STANDING WATER, CRACKS LARGER THAN 1/4" IN WIDTH AND ANY OTHER FOREIGN MATTER THAT COULD CONTACT THE LINER.



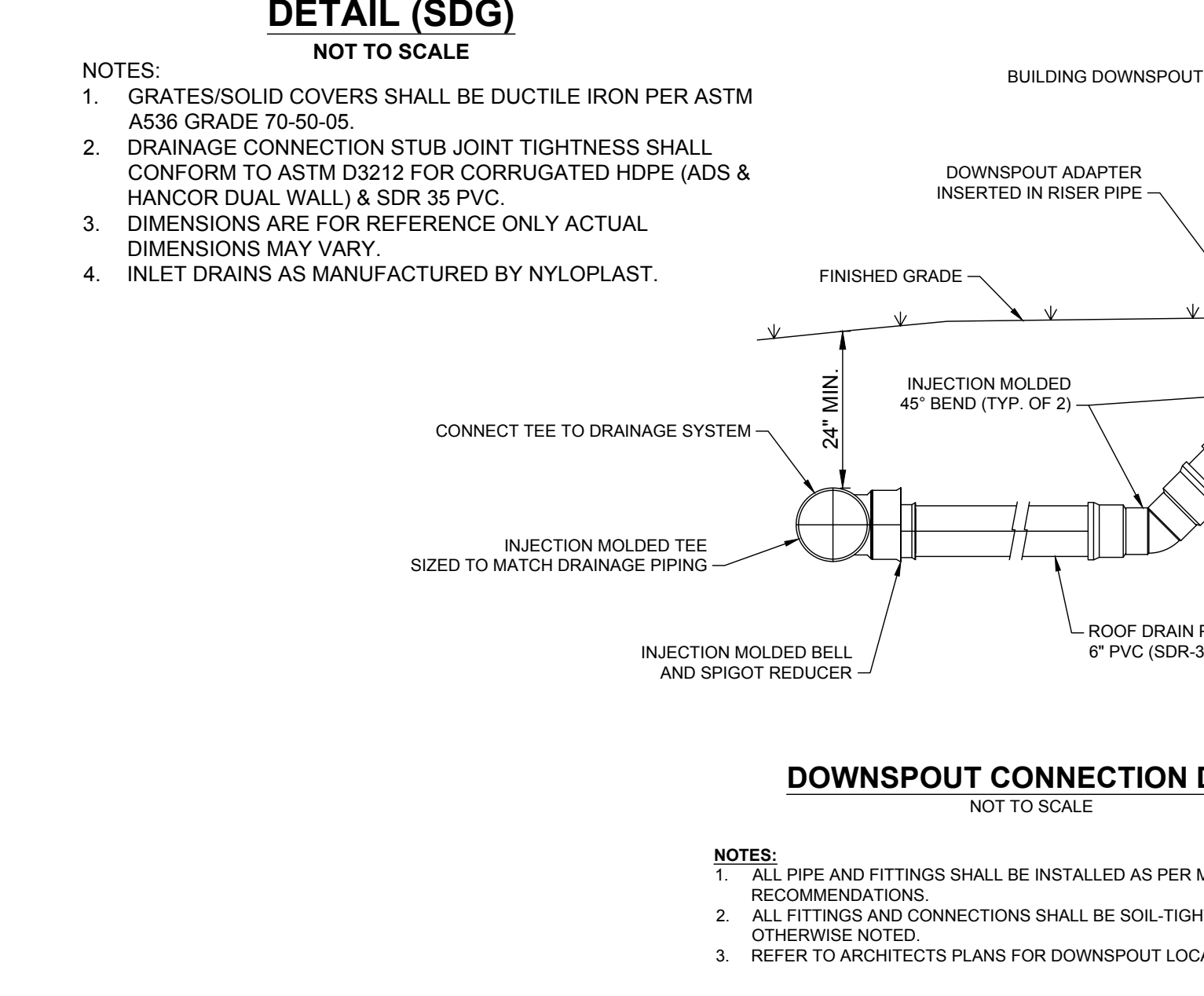
ANCHOR DETAIL
NOT TO SCALE

- NOTES:**
1. THE LINER SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS.
 2. THE COMPACTED SUBGRADE SHALL BE SMOOTH, FIRM, UNYIELDING AND FREE OF VEGETATION, CONSTRUCTION DEBRIS, STICKS, SHARP ROCKS, VOID SPACES, ICE, ABRUPT ELEVATION CHANGES, STANDING WATER, CRACKS LARGER THAN 1/4" IN WIDTH AND ANY OTHER FOREIGN MATTER THAT COULD CONTACT THE LINER.



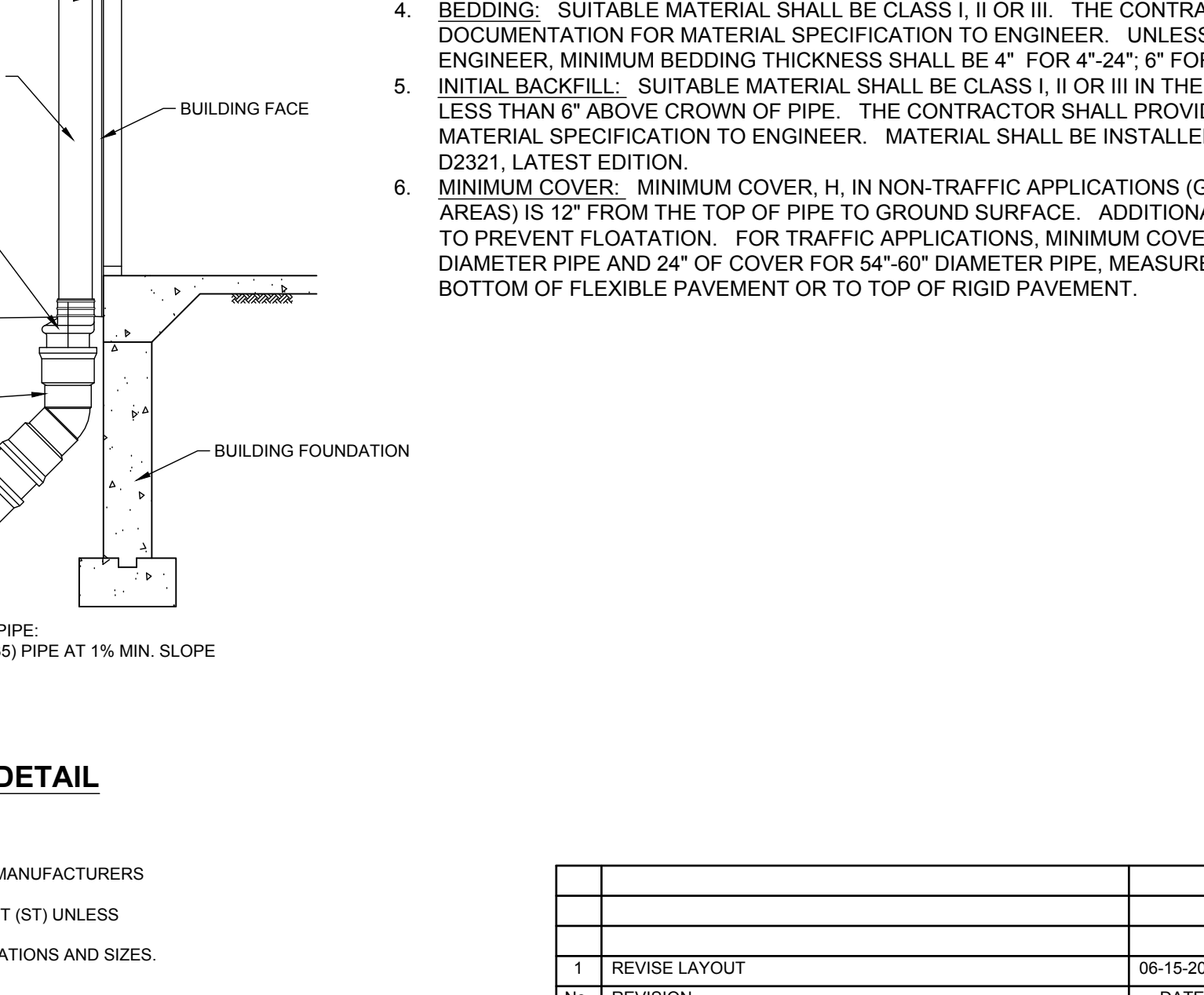
SURFACE DRAINAGE GRATE DETAIL (SDG)
NOT TO SCALE

- NOTES:**
1. GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
 2. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANGOR DUAL WALL) & SDR 35, SCH 40 DWV, CORRUGATED & RIBBED PVC.
 3. DIMENSIONS ARE FOR REFERENCE ONLY ACTUAL DIMENSIONS MAY VARY.
 4. INLET DRAINS AS MANUFACTURED BY NYLOPLAST.



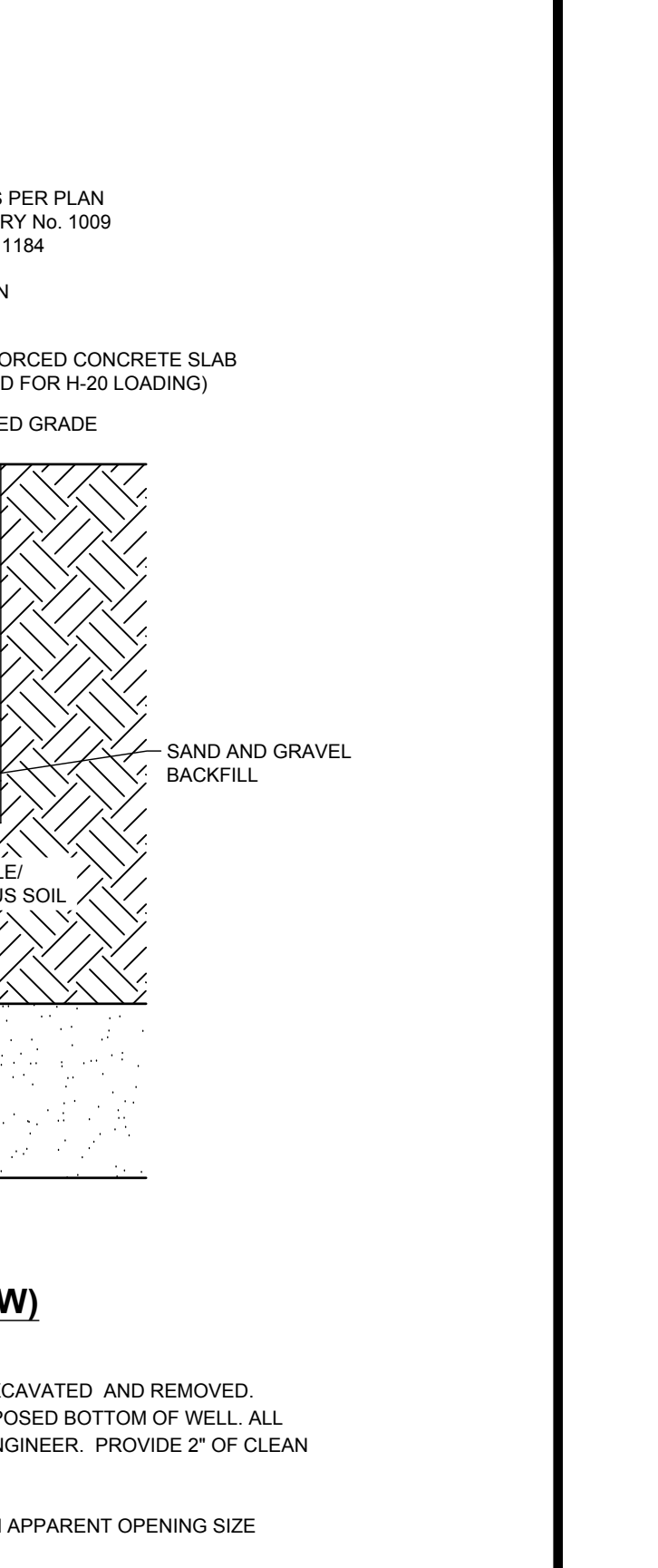
DOWNSPOUT CONNECTION DETAIL
NOT TO SCALE

- NOTES:**
1. ALL PIPE AND FITTINGS SHALL BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS.
 2. ALL FITTINGS AND CONNECTIONS SHALL BE SOIL TIGHT (ST) UNLESS OTHERWISE NOTED.
 3. REFER TO ARCHITECTS PLANS FOR DOWNSPOUT LOCATIONS AND SIZES.



FLARED END SECTION DETAIL FES
NOT TO SCALE

- NOTES:**
1. END SECTIONS REQUIRE TWO (2) THREADED RODS FOR ASSEMBLY.



CORRUGATED POLYETHYLENE PIPE TRENCH AND BEDDING DETAIL
NOT TO SCALE

- NOTES:**
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
 2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL WHEN REQUIRED.
 3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSUITABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE: 4" FOR 4" - 24" PIPE, 6" FOR 30" - 60" PIPE.
 5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

PIPE DIA.	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
14"	34"
16"	36"
18"	39"
24"	46"
30"	56"
36"	64"
42"	72"
48"	80"
54"	88"
60"	96"

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

NOTES:

1. THE LINER SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS.
2. THE COMPACTED SUBGRADE SHALL BE SMOOTH, FIRM, UNYIELDING AND FREE OF VEGETATION, CONSTRUCTION DEBRIS, STICKS, SHARP ROCKS, VOID SPACES, ICE, ABRUPT ELEVATION CHANGES, STANDING WATER, CRACKS LARGER THAN 1/4" IN WIDTH AND ANY OTHER FOREIGN MATTER THAT COULD CONTACT THE LINER.

NOTES:

1. END SECTIONS REQUIRE TWO (2) THREADED RODS FOR ASSEMBLY.

NOTES:

1. ALL PIPE AND FITTINGS SHALL BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS.
2. ALL FITTINGS AND CONNECTIONS SHALL BE SOIL TIGHT (ST) UNLESS OTHERWISE NOTED.
3. REFER TO ARCHITECTS PLANS FOR DOWNSPOUT LOCATIONS AND SIZES.

OWNER:
THE PRESERVE AT INDIAN HILLS
NORTHPORT
TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
S.O.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 16 AND PJO 22

APPLICANT:
THE PRESERVE AT INDIAN HILLS
1 RABRO DRIVE, SUITE 100
HAUPPAUGE, N.Y. 11788
(631) 361-4600

SCALE:
NONE

DRAWING NO.:
C-501

SHEET NO.:
31 OF 35

FOR TOWN USE

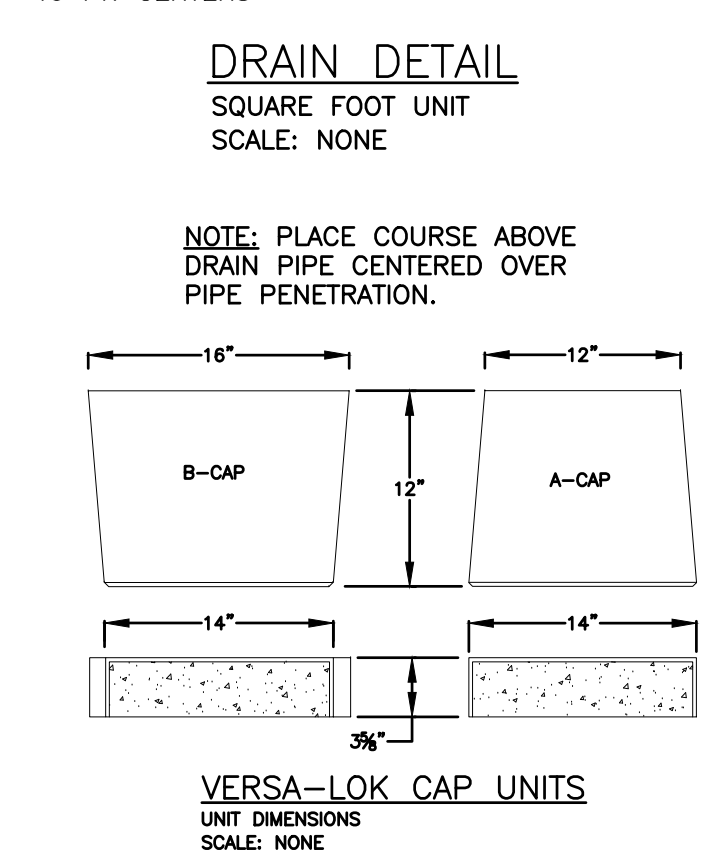
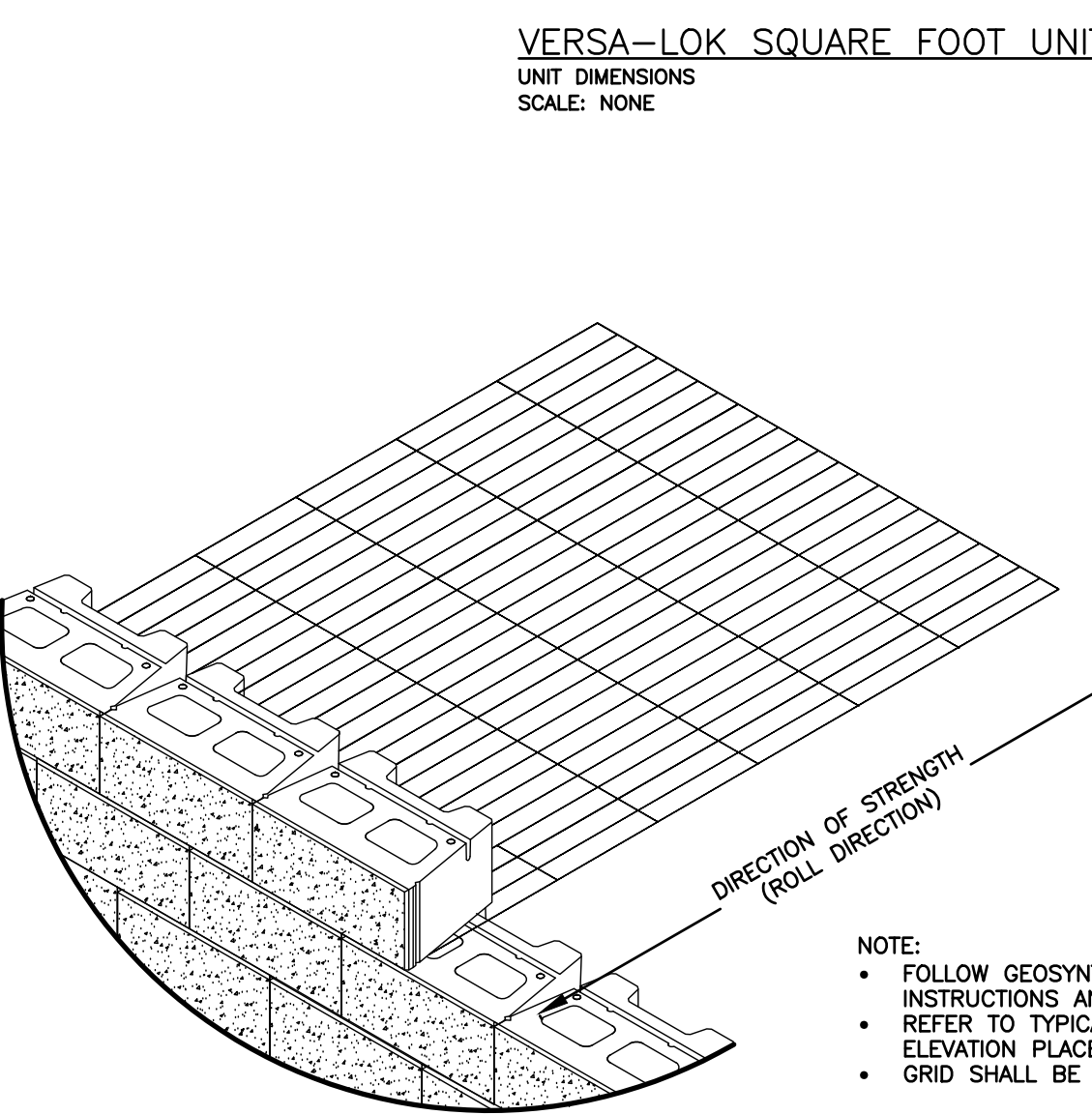
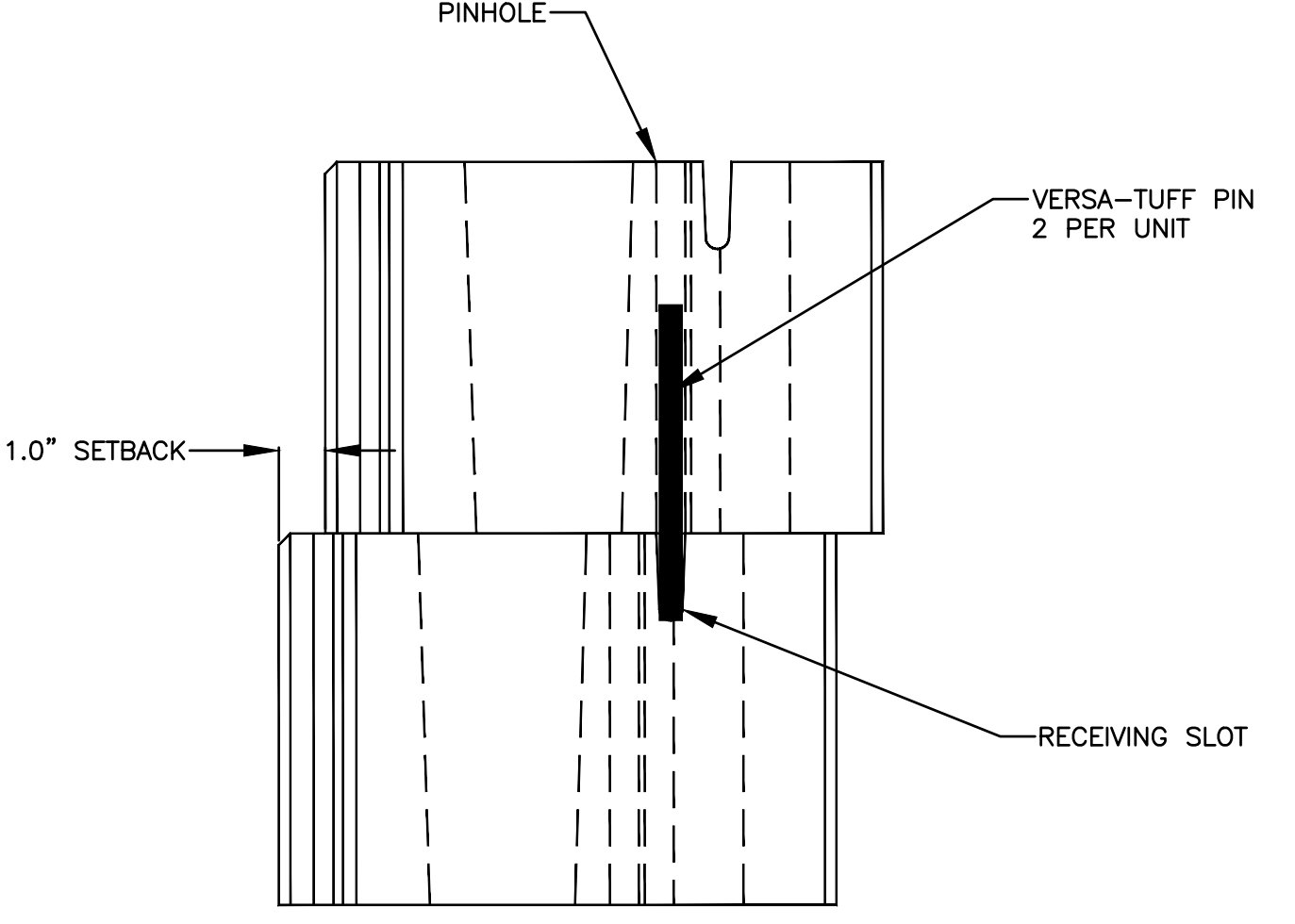
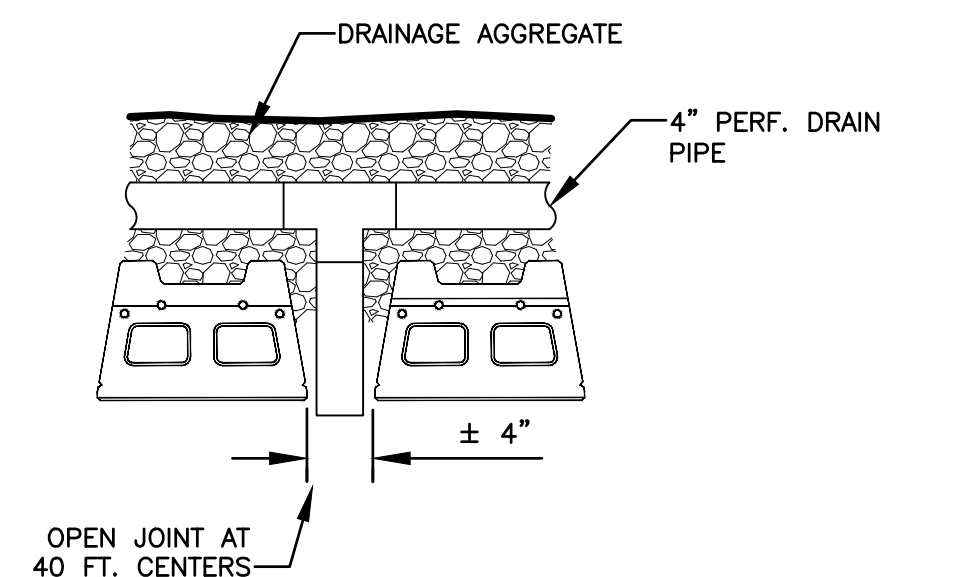
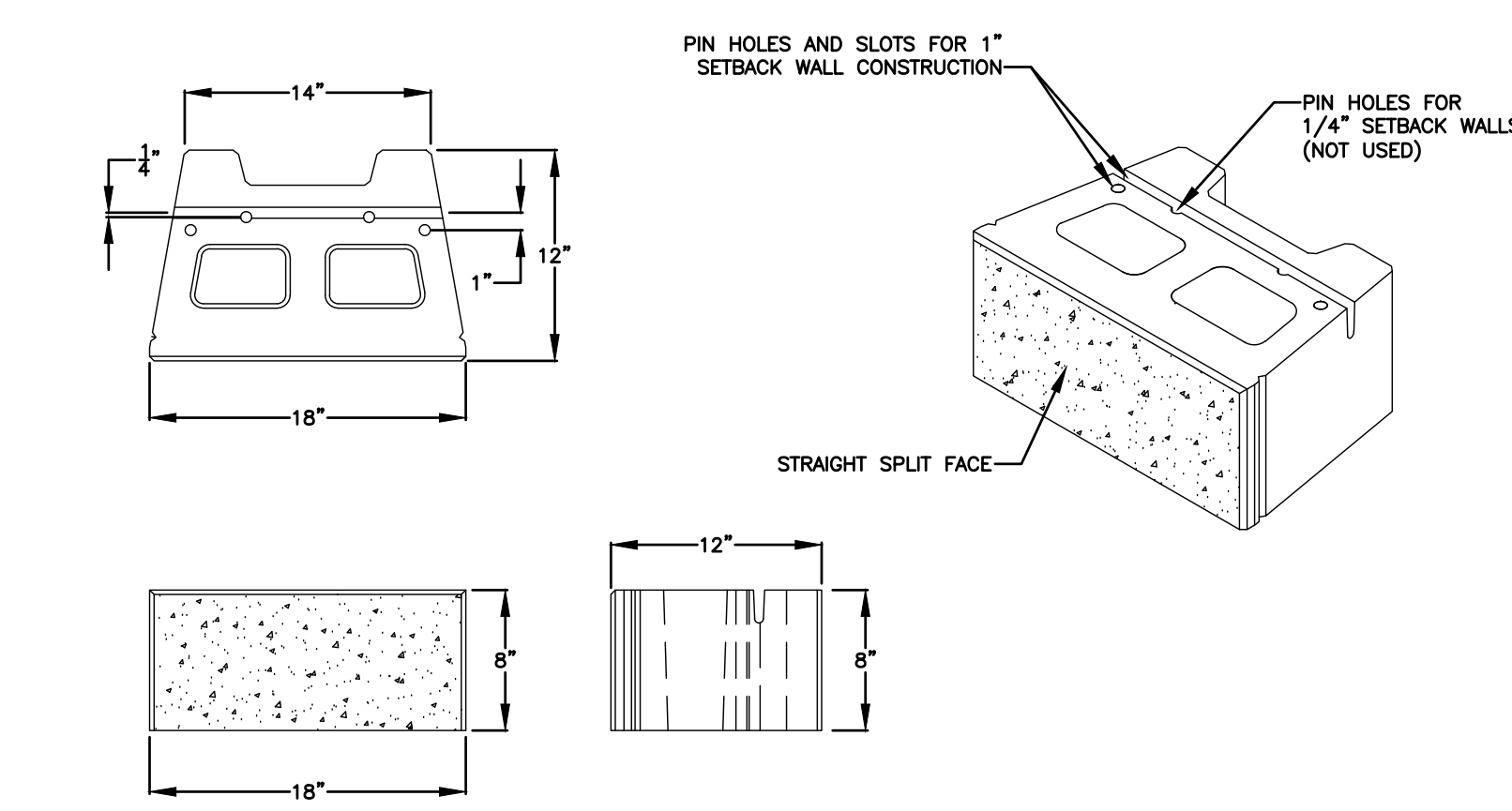
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S.O.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 15, 16 AND PJO 22

APPLICANT:
THE PRESERVE AT INDIAN HILLS
1 RABRO DRIVE, SUITE 100
HAUPPAUGE, N.Y. 11788
(631) 361-4600

SCALE:
NONE

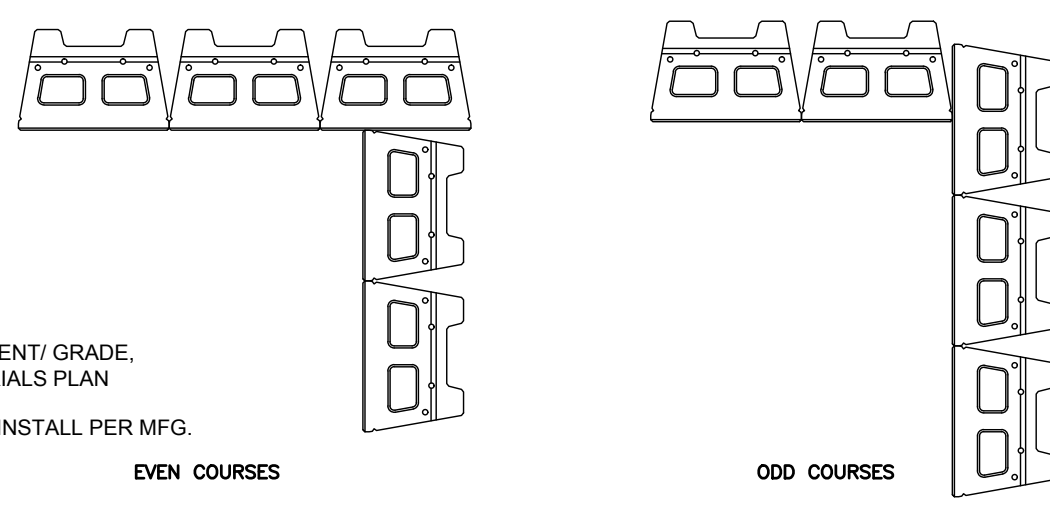
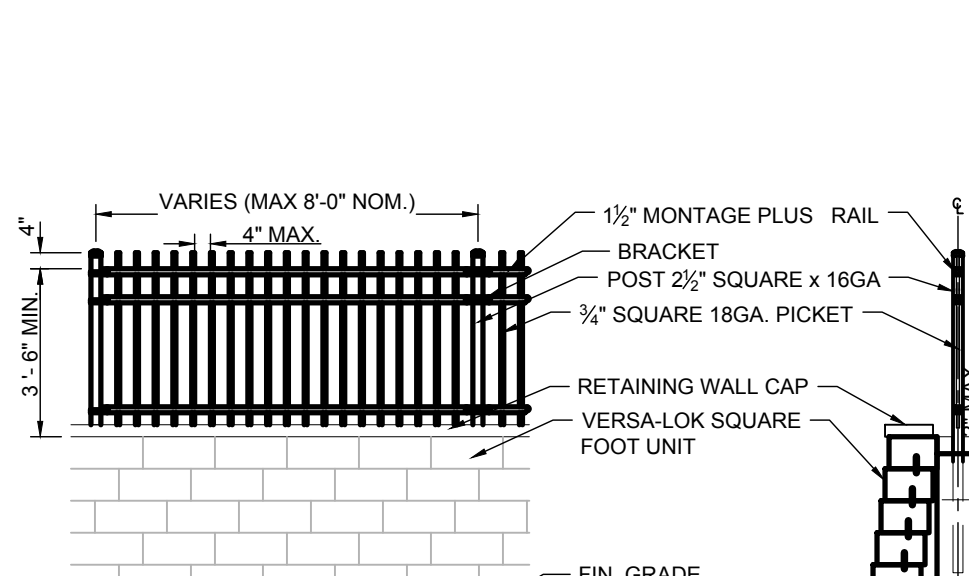
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C-501

SHEET NO.:
31 OF 35



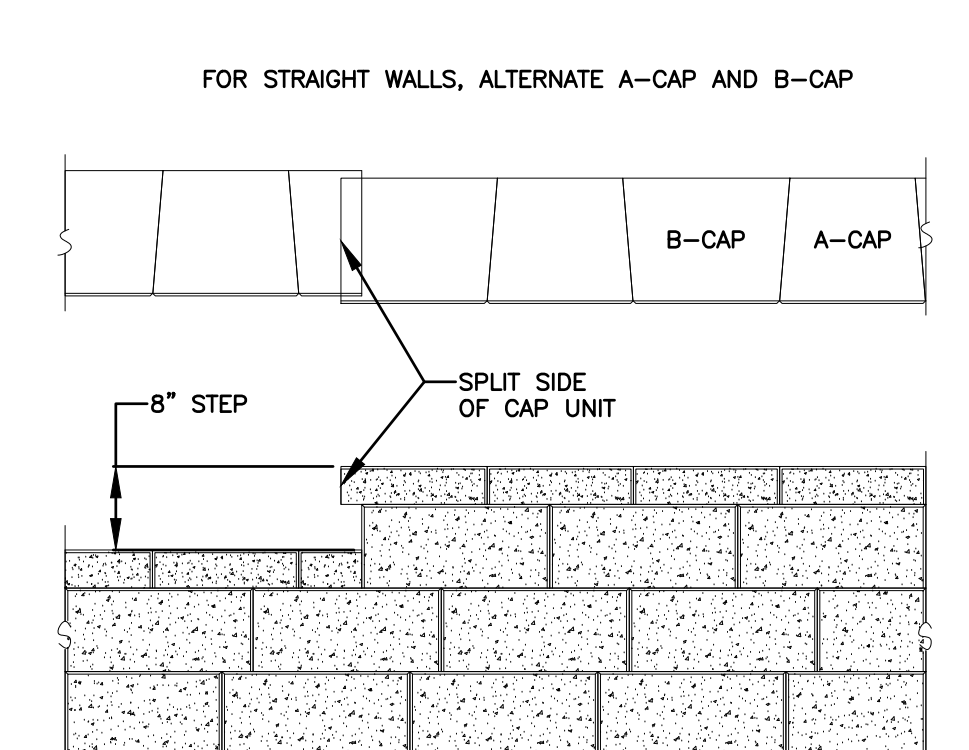
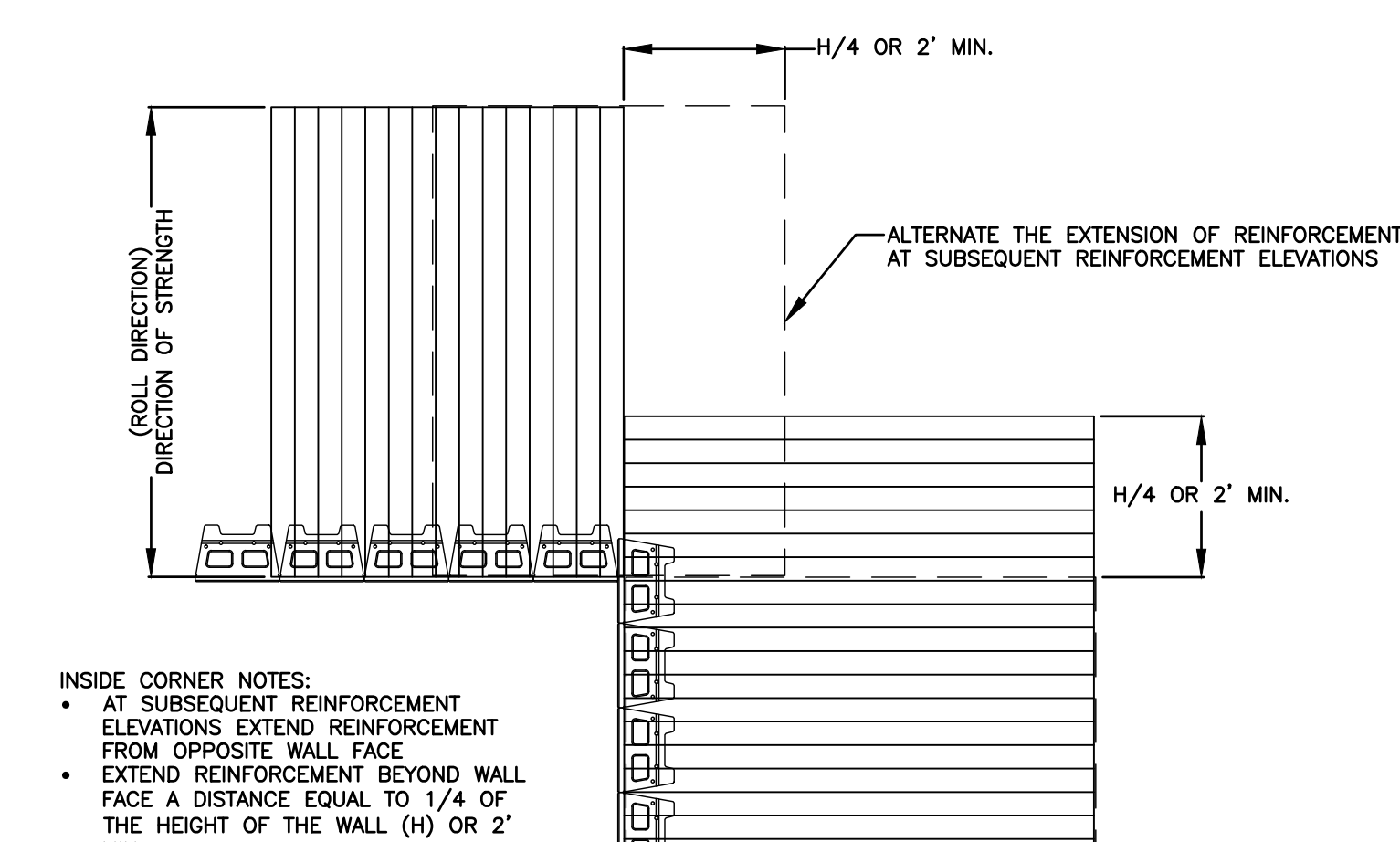
1.0" SETBACK PINNING DETAIL
SQUARE FOOT UNIT—CROSS SECTION
SCALE: NONE

GEOSYNTHETIC INSTALLATION DETAIL
SQUARE FOOT UNIT
SCALE: NONE



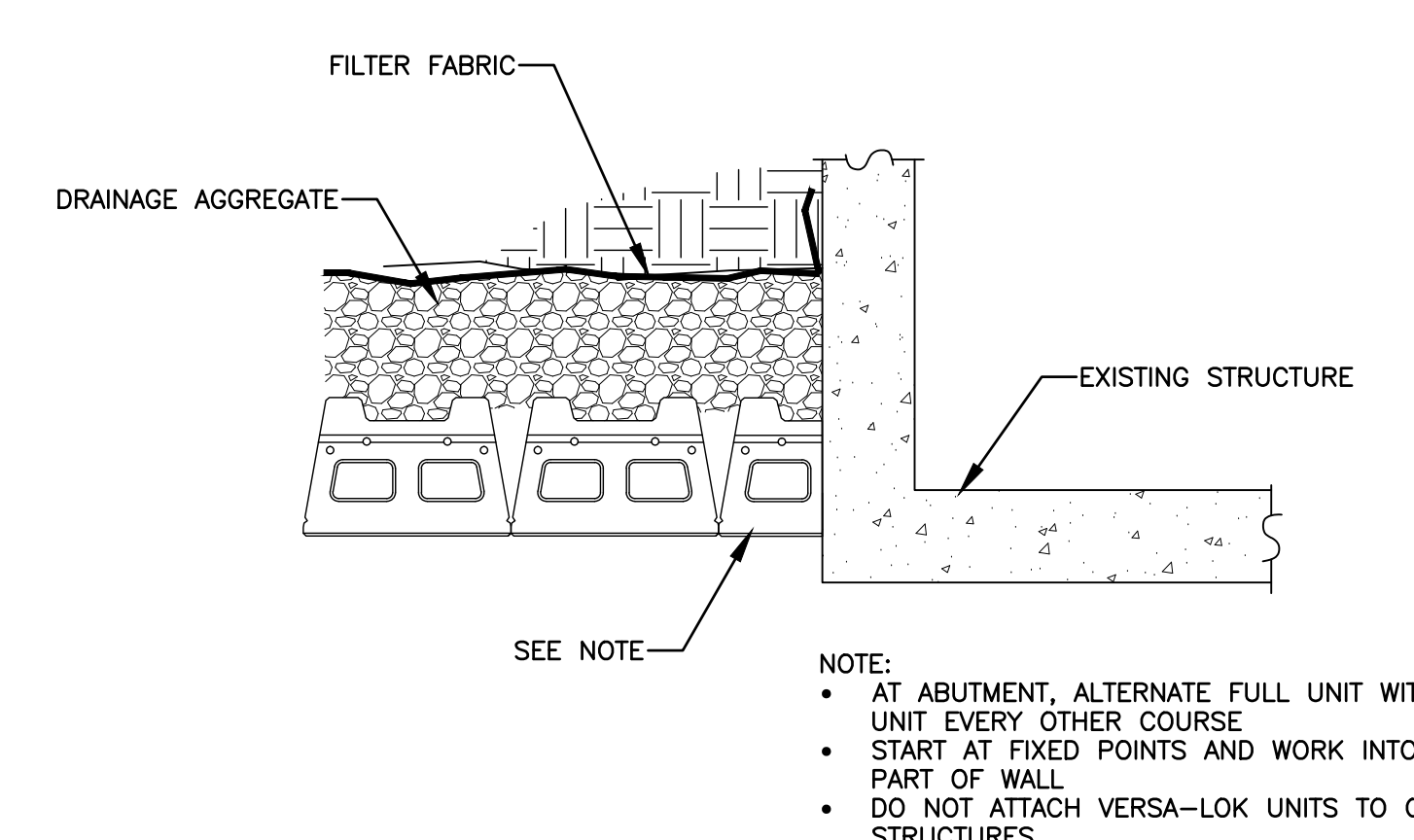
FENCE DETAIL
NOT TO SCALE

CORNER DETAIL
SQUARE FOOT UNIT—90° INSIDE
SCALE: NONE



GEOSYNTHETIC PLACEMENT
SQUARE FOOT UNIT—INSIDE CORNER
SCALE: NONE

CAPPING DETAIL—PROFILE
SQUARE FOOT UNIT—STEP AT TOP OF WALL
SCALE: NONE



WALL ABUTMENT DETAIL
SQUARE FOOT UNIT
SCALE: NONE

- B. THE MAXIMUM PARTICLE SIZE OF POORLY-GRADED GRAVELS (GP) (NO FINES) SHALL NOT EXCEED 3/4 INCH.
C. THE PLASTICITY OF THE FINE FRACTION SHALL BE LESS THAN 20.
- PART 3 CONSTRUCTION**
- 3.01 OWNER**
A. THE OWNER IS RESPONSIBLE FOR VERIFYING THAT THE CONTRACTOR MEETS ALL THE REQUIREMENTS OF THE SPECIFICATION. THIS INCLUDES ALL SUBMITTALS FOR MATERIALS AND DESIGN, QUALIFICATIONS, AND PROPER INSTALLATION OF WALL SYSTEM.
- 3.02 EXCAVATION**
A. CONTRACTOR SHALL EXCAVATE TO THE LINES AND GRADES SHOWN ON THE PROJECT GRADING PLANS. CONTRACTOR SHALL TAKE PRECAUTIONS TO MINIMIZE OVER-EXCAVATION. OVER-EXCAVATION SHALL BE FILLED WITH COMPACTED INFILL MATERIAL.
B. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING STRUCTURES AND UTILITIES PRIOR TO EXCAVATION. CONTRACTOR SHALL ENSURE ALL SURROUNDING STRUCTURES ARE PROTECTED FROM THE EFFECTS OF WALL EXCAVATION. EXCAVATION SUPPORT, IF REQUIRED, IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 3.03 FOUNDATION PREPARATION**
A. FOLLOWING THE EXCAVATION, THE FOUNDATION SOIL SHALL BE EXAMINED BY THE OWNER'S SOILS ENGINEER TO ASSURE ACTUAL FOUNDATION SOIL STRENGTH MEETS OR EXCEEDS THE ASSUMED DESIGN BEARING STRENGTH OF 2.5 TONS PER S.F. SOILS NOT MEETING THE REQUIRED STRENGTH SHALL BE REMOVED AND REPLACED WITH INFILL SOILS.
B. FOUNDATION SOIL SHALL BE PRODFILLED AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY AND INSPECTED BY THE OWNER'S SOILS ENGINEER PRIOR TO PLACEMENT OF LEVELING PAD MATERIALS.
C. DO NOT PLACE WALL SYSTEM ON LOOSE, SOFT, WET OR FROZEN SOIL.
- 3.04 LEVELING PAD CONSTRUCTION**
A. LEVELING PAD SHALL BE PLACED AS SHOWN ON THE RETAINING WALL PLANS WITH A MINIMUM THICKNESS OF 6 INCHES. THE LEVELING PAD SHOULD EXTEND LATERALLY AT LEAST A DISTANCE OF 6 INCHES FROM THE TOE AND HEEL OF THE LOWER MOST SRW UNIT.
B. GRANULAR LEVELING PAD MATERIAL SHALL BE COMPACTED TO PROVIDE A FIRM, LEVEL BEARING SURFACE ON WHICH TO PLACE THE FIRST COURSE OF UNITS. WELL-GRADED SAND CAN BE USED TO SMOOTH THE TOP 1/4" TO 1/2" INCH OF THE LEVELING PAD. COMPACTOR SHALL BE WITH MECHANICAL PLATE COMPACTORS TO ACHIEVE 95-PERCENT OF MAXIMUM STANDARD PROCTOR DENSITY (ASTM D 698).
C. SRW UNIT INSTALLATION
A. ALL SRW UNITS SHALL BE INSTALLED AT THE PROPER ELEVATION AND ORIENTATION AS SHOWN ON THE RETAINING WALL PLANS AND DETAILS. THE SRW UNITS SHALL BE INSTALLED IN GENERAL ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
B. FIRST COURSE OF SRW UNITS SHALL BE PLACED ON THE LEVELING PAD. THE UNITS SHALL BE LEVELLED SIDE-TO-SIDE, FRONT-TO-FRONT AND WITH ADJACENT UNITS, AND ADJUSTED TO ENSURE INTIMATE CONTACT WITH THE LEVELING PAD. THE FIRST COURSE IS THE MOST IMPORTANT TO ENSURE ACCURATE AND ACCEPTABLE RESULTS. NO GAPS SHALL BE LEFT BETWEEN THE FRONT OF ADJACENT UNITS. ALIGNMENT MAY BE DONE BY MEANS OF A STRING LINE OR OFFSET FROM BASE LINE TO THE BACK OF THE UNITS.
C. THE VOIDS (CORES) OF THE BASE COURSE UNITS SHALL BE FILLED WITH CRUSHED GRAVEL. THE CORES OF ADDITIONAL COURSES SHALL BE FILLED WITH FREE-DRAINING AGGREGATE.
D. ALL EXCESS DEBRIS SHALL BE CLEANED FROM TOP OF UNITS AND THE NEXT COURSE OF UNITS INSTALLED ON THE UNITS BELOW.
E. TWO VERSA-TUFF® CONNECTION PINS SHALL BE INSERTED THROUGH THE PIN HOLES OF EACH UPPER COURSE UNIT INTO RECEIVING SLOTS IN LOWER COURSE UNITS. PINS SHALL BE FULLY SEATED IN THE PIN SLOT BELOW. UNITS SHALL BE PUSHED FORWARD TO REMOVE ANY LOOSENESS IN THE UNIT-TO-UNIT CONNECTION.
F. PRIOR TO PLACEMENT OF NEXT COURSE, THE LEVEL AND ALIGNMENT OF THE UNITS SHALL BE CHECKED AND CORRECTED, WHERE NEEDED.
G. LAYOUT OF CURVES AND CORNERS SHALL BE INSTALLED IN ACCORDANCE WITH THE WALL PLAN DETAILS OR IN GENERAL ACCORDANCE WITH SRW MANUFACTURER'S INSTALLATION GUIDELINES. WALLS MEETING AT CORNERS SHALL BE INTERLOCKED BY OVERLAPPING SUCCESSIVE COURSES.
H. PROCEDURES THROUGH "H" SHALL BE REPEATED UNTIL REACHING TOP OF WALL, JUST BELOW THE HEIGHT OF THE CAP UNITS. GEOSYNTHETIC REINFORCEMENT, DRAINAGE MATERIALS, AND REINFORCED BACKFILL SHALL BE PLACED IN SEQUENCE WITH UNIT INSTALLATION AS DESCRIBED IN SECTION 3.06, 3.07, AND 3.08.

- SEGMENTAL RETAINING WALL SPECIFICATIONS**
- PART 1 GENERAL**
- 1.01 DESCRIPTION**
A. WORK INCLUDES FURNISHING AND INSTALLING SEGMENTAL RETAINING WALL (SRW) UNITS FOR THE WALLS INDICATED. THE SRW UNITS SHALL BE INSTALLED TO THE LINES AND GRADES DESIGNATED ON THE SITE GRADING PLANS.
- 1.02 REFERENCE STANDARDS**
A. SEGMENTAL RETAINING WALL UNITS
1. ASTM C 1372
2. STANDARD SPECIFICATION FOR SEGMENTAL CONCRETE MASONRY UNITS
3. ASTM C 493
4. STANDARD TEST METHODS OF SAMPLING AND TESTING CONCRETE MASONRY UNITS
B. GEOSYNTHETIC REINFORCEMENT
1. ASTM D 4986
2. TENSILE PROPERTIES OF GEOTEXTILES BY THE WIDE-WIDTH STRIP METHOD
3. ASTM D 5026
4. TEST METHOD FOR EVALUATING THE UNCONFINED CREEP BEHAVIOR OF GEOSYNTHETICS
C. GEGRID
1. SINGLE RIB GEOSGRID TENSILE STRENGTH
2. GEOSGRID PULLOUT
D. SOILS
1. ASTM D 698
2. ASTM D 422
3. GRADATION OF SOILS
4. ATTERBERG LIMITS OF SOIL
E. MATERIAL SUBMITTALS: THE CONTRACTOR SHALL SUBMIT MANUFACTURER'S CERTIFICATIONS TWO WEEKS PRIOR TO START OF WORK, STATING THAT THE SRW UNITS AND GEOSYNTHETIC REINFORCEMENT MEET THE REQUIREMENTS OF PART 2 OF THIS SPECIFICATION.
- 1.04 DELIVERY, STORAGE AND HANDLING**
A. CONTRACTOR SHALL CHECK MATERIALS UPON DELIVERY TO ASSURE THAT SPECIFIED TYPE AND GRADE OF MATERIALS HAVE BEEN RECEIVED AND PROPER COLOR AND TEXTURE OF SRW UNITS HAVE BEEN RECEIVED.
B. CONTRACTOR SHALL PREVENT EXCESSIVE MOISTURE, WET CONCRETE, EPISODES, AND LIKE MATERIALS THAT MAY AFFECT THEMSELVES FROM COMING IN CONTACT WITH MATERIALS.
C. CONTRACTOR SHALL STORE AND HANDLE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
D. CONTRACTOR SHALL PROTECT MATERIALS FROM DAMAGE. DAMAGED MATERIALS SHALL NOT BE INCORPORATED INTO THE RETAINING WALL.
- PART 2 MATERIALS**
- 2.01 SEGMENTAL RETAINING WALL (SRW) UNITS**
A. SRW UNITS SHALL BE MACHINE-FORMED, PORTLAND CEMENT CONCRETE BLOCKS SPECIFICALLY DESIGNED FOR RETAINING WALL APPLICATIONS. SRW UNITS SHALL BE SQUARE FOOT™ UNITS AS MANUFACTURED BY VERSA-LOK RETAINING WALL SYSTEMS.
B. COLOR OF SRW UNITS SHALL BE SELECTED BY OWNER.

- 3.06 GEOSYNTHETIC REINFORCEMENT PLACEMENT**
A. ALL GEOSYNTHETIC REINFORCEMENT SHALL BE INSTALLED AT THE PROPER ELEVATION AND ORIENTATION AS SHOWN ON THE RETAINING WALL PLAN AND DETAILS.
B. AT THE ELEVATIONS SHOWN ON THE PLANS, (AFTER THE UNITS, DRAINAGE MATERIAL, AND BACKFILL HAVE BEEN PLACED ON THIS ELEVATION) THE GEOSYNTHETIC REINFORCEMENT SHALL BE LAID HORIZONTALLY ON COMPACTED INFILL AND ON TOP OF THE CONCRETE SRW UNITS. IT SHALL BE PLACED TO WITHIN ONE INCH OF THE FRONT FACE OF THE UNIT BELOW. EMBEDMENT OF THE GEOSYNTHETIC IN THE SRW UNITS SHALL BE CONSISTENT WITH SRW MANUFACTURER'S RECOMMENDATIONS. CORRECT ORIENTATION OF THE GEOSYNTHETIC REINFORCEMENT SHALL BE VERIFIED BY THE CONTRACTOR TO BE IN ACCORDANCE WITH THE GEOSYNTHETIC MANUFACTURER'S RECOMMENDATIONS. THE HIGHEST STRENGTH DIRECTION OF THE GEOSYNTHETIC MUST BE PERPENDICULAR TO THE WALL FACE.
C. GEOSYNTHETIC REINFORCEMENT LAYERS SHALL BE ONE CONTINUOUS PIECE FOR THEIR ENTIRE EMBEDMENT LENGTH. SPLICING OF THE GEOSYNTHETIC IN THE DESIGN STRENGTH DIRECTION (PERPENDICULAR TO THE WALL FACE) SHALL NOT BE PERMITTED. ALONG THE LENGTH OF THE WALL (PARALLEL TO THE FACE), HORIZONTALLY ADJACENT SECTIONS OF GEOSYNTHETIC REINFORCEMENT SHALL BE BUTTED IN A MANNER TO ASSURE 100-PERCENT COVERAGE PARALLEL TO THE WALL FACE.
D. TRACKED CONSTRUCTION EQUIPMENT SHALL NOT BE OPERATED DIRECTLY ON THE GEOSYNTHETIC REINFORCEMENT. A MINIMUM 12" OF 3/4" INCH OR FINER SHALL BE MAINTAINED PRIOR TO OPERATION OF TRACKED VEHICLES OVER THE GEOSYNTHETIC. TURNING SHOULD BE KEPT TO A MINIMUM. RUBBER-TIRED EQUIPMENT MAY PASS OVER THE GEOSYNTHETIC REINFORCEMENT AT SLOW SPEEDS (LESS THAN 5 MPH).
E. THE GEOSYNTHETIC REINFORCEMENT SHALL BE FREE OF WRINKLES PRIOR TO PLACEMENT OF SOIL FILL. THE NOMINAL TENSION SHALL BE APPLIED TO THE REINFORCEMENT AND SECURED IN PLACE WITH STAPLES, STAKES, OR BY HAND TENSIONING UNTIL REINFORCEMENT IS COVERED BY 6 INCHES OF FILL.
- 3.07 DRAINAGE MATERIALS**
A. DRAINAGE AGGREGATE SHALL BE INSTALLED TO THE LINE, GRADES, AND SECTIONS SHOWN ON THE RETAINING WALL PLANS. DRAINAGE AGGREGATE SHALL BE PLACED TO THE MINIMUM THICKNESS SHOWN ON THE PLANS BETWEEN AND BEHIND UNITS.
B. DRAINAGE COLLECTION PIPES SHALL BE INSTALLED TO MAINTAIN GRAVITY FLOW OF WATER TO OUTSIDE THE REINFORCED SOIL ZONE. THE DRAINAGE COLLECTION PIPE SHALL OUTLET THROUGH THE WALL AS SHOWN ON THE PLANS.
- 3.08 BACKFILL PLACEMENT**
A. THE REINFORCED BACKFILL SHALL BE PLACED AS SHOWN IN THE WALL PLANS IN THE MAXIMUM COMPACTED LIFT THICKNESS OF 8 INCHES AND SHALL BE COMPACTED TO A MINIMUM OF 95-PERCENT OF STANDARD PROCTOR DENSITY (ASTM D 698) AT A MOISTURE CONTENT WITHIN 2 PERCENT OF OPTIMUM. THE BACKFILL SHALL BE PLACED AND SPREAD IN SUCH A MANNER AS TO ELIMINATE WRINKLING OR MOVEMENT OF THE GEOSYNTHETIC REINFORCEMENT AND THE SRW UNITS.
B. ONLY HAND-OPERATED COMPACTION EQUIPMENT SHALL BE ALLOWED WITHIN 3 FEET OF THE BACK OF THE WALL UNIT. COMPACTION WITHIN THE 3 FEET BEHIND THE WALL UNIT SHALL BE ACHIEVED BY AT LEAST THREE (3) PASSES OF A LIGHTWEIGHT MECHANICAL TAMPER OR PLATE.
C. AT THE END OF EACH DAY'S OPERATION, THE CONTRACTOR SHALL SLOPE THE LAST LAYER OF BACKFILL AWAY FROM THE WALL FACE AND REINFORCED BACKFILL TO DIRECT WATER RUNOFF AWAY FROM THE WALL FACE.
D. AT COMPLETION OF WALL CONSTRUCTION, BACKFILL SHALL BE PLACED LEVEL WITH FINAL TOP-OF-WALL ELEVATION. IF FINAL GRADING PARALLEL TO THE WALL IS NOT PLACED, GRADING AND/OR STORM DRAINAGE INSTALLATION ADJACENT TO THE WALL IS NOT TO BE COMPLETED UNTIL AFTER WALL COMPLETION. TEMPORARY GRADING AND DRAINAGE SHALL BE PROVIDED TO ENSURE WATER RUNOFF IS NOT DIRECTED AT THE WALL. IT IS NOT ALLOWED TO COLLECT OR POND BEHIND THE WALL UNTIL FINAL CONSTRUCTION ADJACENT TO THE WALL CARE SHOULD BE TAKEN BY THE CONTRACTOR TO ENSURE WATER RUNOFF IS DIRECTED AWAY FROM THE WALL STRUCTURE UNTIL FINAL GRADING AND SURFACE DRAINAGE COLLECTION SYSTEMS ARE COMPLETED.
- 3.09 SRW CAPS**
A. SRW CAPS SHALL BE PROPERLY ALIGNED AND GLEUED TO UNDERLYING UNITS WITH VERSA-LOK® CONCRETE ADHESIVE. A FLEXIBLE, HIGH-STRENGTH CONCRETE ADHESIVE, RIGID ADHESIVE OR MORTAR IS NOT ACCEPTABLE.
B. CAPS SHALL OVERHANG THE TOP COURSE OF UNITS BY 3/4" TO 1 INCH. SLIGHT VARIATION IN OVERHANG IS ALLOWED TO CORRECT ALIGNMENT AT THE TOP OF THE WALL.
- 3.10 CONSTRUCTION ADJACENT TO COMPLETED WALL**
A. THE OWNER IS RESPONSIBLE FOR ENSURING THAT CONSTRUCTION BY OTHERS ADJACENT TO THE WALL DOES NOT DISTURB THE WALL OR PLACE TEMPORARY CONSTRUCTION LOADS ON THE WALL THAT EXCEED DESIGN LOADS. INCLUDING LOADS SUCH AS WATER PRESSURE, TEMPORARY GRADING, OR EQUIPMENT LOADING. HEAVY EQUIPMENT GRADING EQUIPMENT SHALL BE KEPT A MINIMUM OF 3 FEET BEHIND THE BACK OF THE WALL. EQUIPMENT WITH WHEEL LOADS IN EXCESS OF 150 PSF LIVE LOAD SHALL NOT BE OPERATED WITHIN 10 FEET OF THE FACE OF THE RETAINING WALL DURING CONSTRUCTION ADJACENT TO THE WALL. CARE SHOULD BE TAKEN BY THE CONTRACTOR TO ENSURE WATER RUNOFF IS DIRECTED AWAY FROM THE WALL STRUCTURE UNTIL FINAL GRADING AND SURFACE DRAINAGE COLLECTION SYSTEMS ARE COMPLETED.

- C. FINISH OF SRW UNITS SHALL BE SPLIT FACE.**
D. SRW UNIT FACES SHALL BE OF STRAIGHT GEOMETRY.
E. SRW UNIT HEIGHT SHALL BE 8 INCHES.
F. SRW UNITS NOT INCLUDING AGGREGATE FILL IN UNIT VOIDS SHALL PROVIDE A MINIMUM HEIGHT OF 80 PSF WALL FACE AREA.
G. SRW UNITS SHALL BE INTERLOCKED WITH CONNECTION PINS, DESIGNED WITH PROPER SETBACK TO PROVIDE 8:1 VERTICAL TO HORIZONTAL BATH (3:1 AGGREGATE FILL FROM VERTICAL).
H. SRW UNITS SHALL BE CAPABLE OF BEING ERECTED WITH THE HORIZONTAL GAP BETWEEN ADJACENT UNITS NOT EXCEEDING 1/8 INCH.
I. SRW UNITS SHALL BE SOUND AND FREE OF CRACKS OR OTHER DEFECTS THAT WOULD INTERFERE WITH THE PROPER PLACING OF THE UNIT OR SIGNIFICANTLY IMPAIR THE STRENGTH OR PERMANENCE OF THE STRUCTURE. CRACKING OR EXCESSIVE CHIPPING MAY BE CONDOLDED FOR REPAIR. UNITS SHOWING CRACKS LONGER THAN 1/2" SHALL NOT BE USED WITHIN THE WALL. UNITS SHOWING CHIPS VISIBLE AT A DISTANCE OF 30 FEET FROM THE WALL SHALL NOT BE USED WITHIN THE WALL.
J. CONCRETE USED TO MANUFACTURE SRW UNITS SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI AND A MAXIMUM MOISTURE ABSORPTION RATE, BY WEIGHT, OF 8 PERCENT AS DETERMINED IN ACCORDANCE WITH ASTM C140. COMPRESSIVE STRENGTH TEST SPECIMENS SHALL CONFORM TO THE SAW-CUT COUPON PROVISIONS OF ASTM C140.
K. SRW UNITS' MOLED DIMENSIONS SHALL NOT DIFFER MORE THAN 1/16 INCH FROM THAT SPECIFIED, IN ACCORDANCE WITH ASTM C1372.
- 2.02 SEGMENTAL RETAINING WALL UNIT CONNECTION PINS**
A. SRW UNITS SHALL BE INTERLOCKED WITH VERSA-TUFF® CONNECTION PINS. THE PINS SHALL CONSIST OF GLASS-REINFORCED NYLON MADE FOR THE EXPRESSED USE WITH THE SRW UNITS SUPPLIED.
- 2.03 GEOSYNTHETIC REINFORCEMENT**
A. GEOSYNTHETIC REINFORCEMENT SHALL CONSIST OF GEOTEXTILES OR GEOTEXTILES MANUFACTURED AS A SOIL REINFORCEMENT ELEMENT. THE MANUFACTURER/SUPPLIER OF THE GEOSYNTHETIC REINFORCEMENT SHALL HAVE DEMONSTRATED CONSTRUCTION OF SIMILAR SIZE AND TYPES OF SEGMENTAL RETAINING WALLS ON PREVIOUS PROJECTS.
B. THE TYPE, STRENGTH, AND PLACEMENT LOCATION OF THE REINFORCING GEOSYNTHETIC SHALL BE AS SHOWN ON THE RETAINING WALL PLANS.
- 2.04 LEVELING PAD**
A. MATERIAL FOR LEVELING PAD SHALL CONSIST OF COMPACTED SAND, GRAVEL, OR COMBINATION THEREOF (LESS SOIL TYPES GP, GW, SP, & SW) AND SHALL BE A MINIMUM OF 6 INCHES IN THICKNESS. LEAN CONCRETE WITH A STRENGTH OF 200 TO 300 PSI AND THREE INCHES THICK MAXIMUM MAY ALSO BE USED AS A LEVELING PAD MATERIAL. THE LEVELING PAD SHOULD EXTEND LATERALLY AT LEAST A DISTANCE OF 6 INCHES FROM THE TOE AND HEEL OF THE LOWER MOST SRW UNIT.
- 2.05 DRAINAGE AGGREGATE**
A. DRAINAGE AGGREGATE SHALL BE ANGULAR, CLEAN STONE OR GRANULAR FILL MEETING THE FOLLOWING GRADATION AS DETERMINED IN ACCORDANCE WITH ASTM D422
- | SIEVE SIZE | PERCENT PASSING |
|------------|-----------------|
| 1 INCH | 100 |
| 3/4 INCH | 75-100 |
| NO. 4 | 0-60 |
| NO. 40 | 0-50 |
| NO. 200 | 0-5 |
- 2.06 DRAINAGE PIPE**
A. THE DRAINAGE COLLECTION PIPE SHALL BE A PERFORATED OR SLOTTED PVC, OR CORRUGATED HDPE PIPE. THE DRAINAGE PIPE SHALL BE WRAPPED WITH A GEOTEXTILE TO FUNCTION AS A FILTER.
B. DRAINAGE PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM D 3034 AND/OR ASTM D 1248.
- 2.07 REINFORCED (INFILL) SOIL**
A. THE REINFORCED SOIL MATERIAL SHALL BE FREE OF DEBRIS. THE REINFORCED MATERIAL SHALL CONSIST OF THE INORGANIC USCS SOIL TYPES GP, GW, SW, SP, SM MEETING THE FOLLOWING GRADATION, AS DETERMINED IN ACCORDANCE WITH ASTM D422
- | SIEVE SIZE | PERCENT PASSING |
|------------|-----------------|
| 4 INCHES | 100 |
| NO. 4 | 20-100 |
| NO. 40 | 0-60 |
| NO. 200 | 0-5 |

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 2209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

1	REVISE LAYOUT	06-15-2018
No.	REVISION	DATE

OWNER
P.C.C. INC. AND ROBERT REVOCABLE TRUST
21 BREEZE HILL ROAD
NORTHPORT, NY 11768
(631) 261-5700

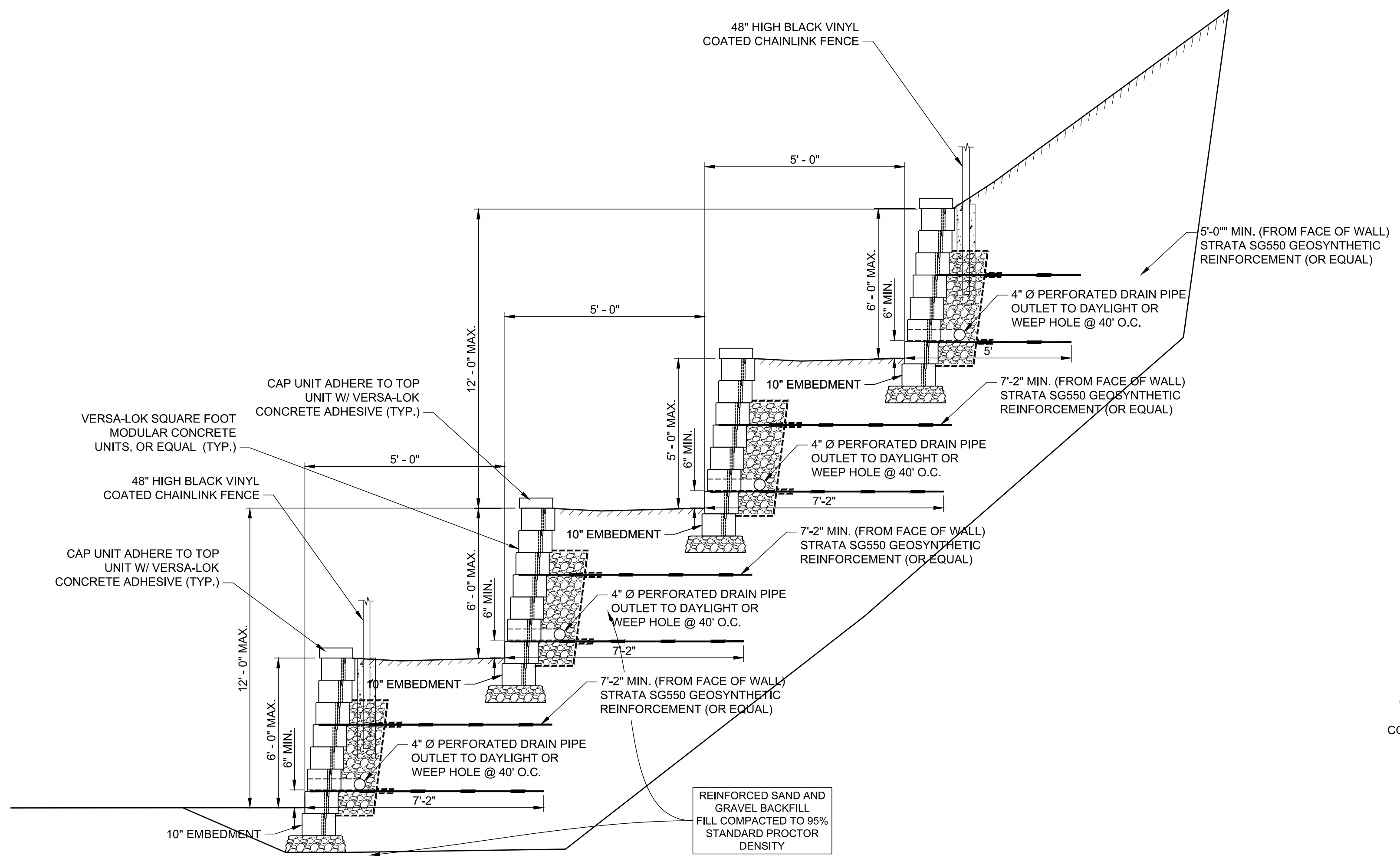
FOR TOWN USE

RETAINING WALL DETAILS
FOR
THE PRESERVE AT INDIAN HILLS
SITUATED AT
NORTHPORT
TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
S.C.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
DISTRICT 0400, SECT. 015, BLK. 01, LOTS 2.1, 2.2, 11, 12, 15, 19 AND PJO 22

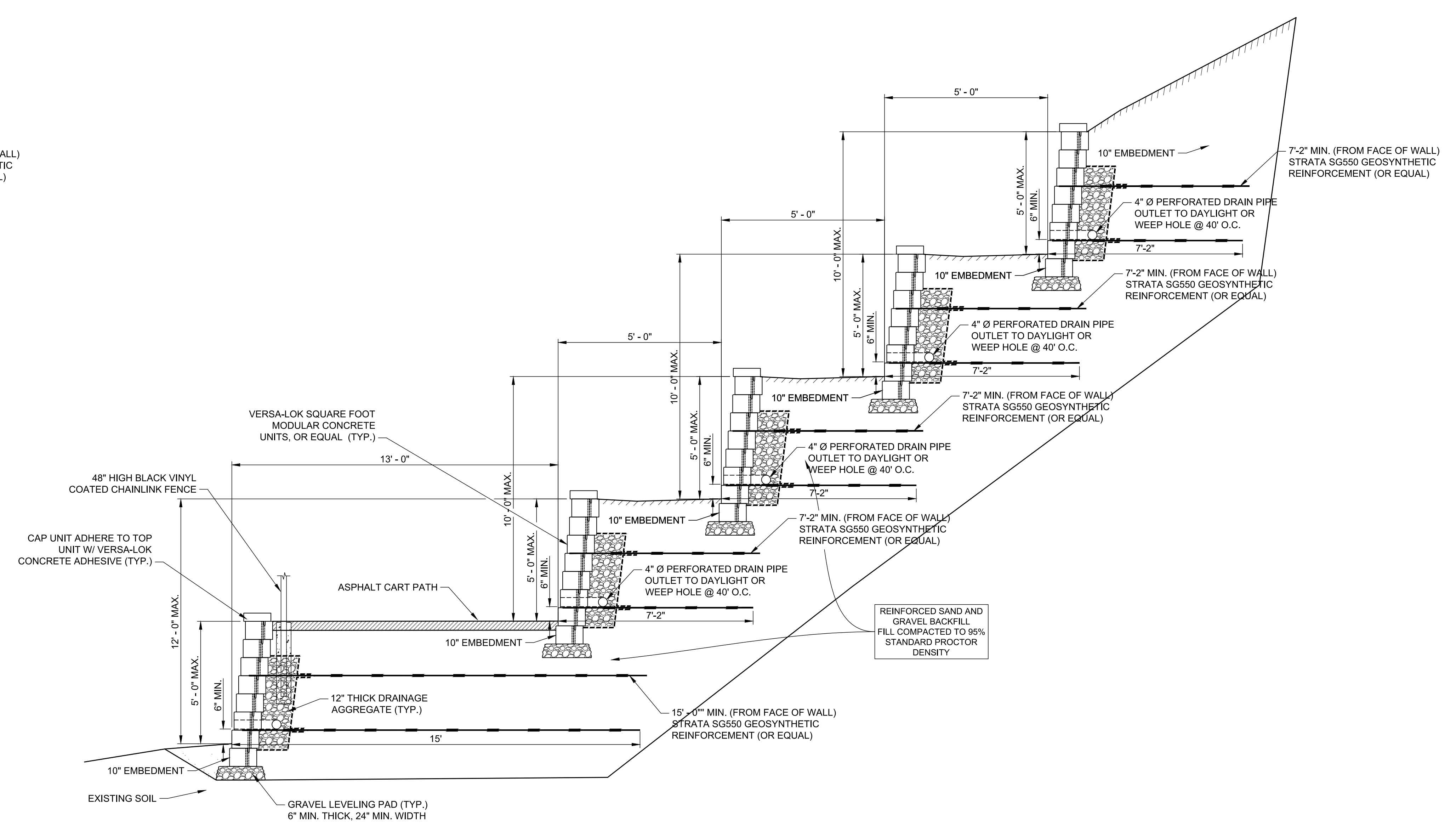
APPLICANT:
THE PRESERVE AT INDIAN HILLS
1 RABRO DRIVE, SUITE 100
HAUAPPAUGE, N.Y. 11788
(631) 351-4600

NELSON & POPE
ENGINEERS & SURVEYORS
572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747
PHONE (631) 427-5665 FAX (631) 427-5620
WWW.NELSONPOPE.COM

DRAWN BY: GEO **CADD NO.:** 8007 PM 2018 DETAILS 2000 **SCALE:** NONE **DRAWING NO.:** C-503
CHECKED BY: JM **FILE NO.:** 400-014 **SHEET NO.:** 33 OF 35
DATE: DECEMBER, 2017 **PROJECT NO.:** 86047

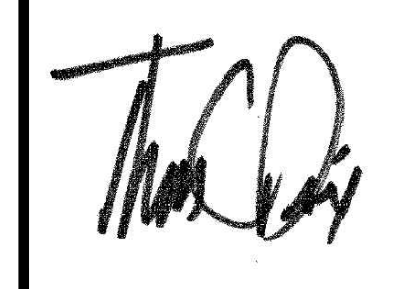


**TYPICAL MULTI-TIER
RETAINING WALL SECTION**



**MULTI-TIER RETAINING WALL SECTION
WITH GOLF CART PATH**

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

FOR TOWN USE																									
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1	REVISE LAYOUT	06-15-2018																							
OWNER R.C.C. INC. AND ROBERT REVOCABLE TRUST 21 BREEZE HILL ROAD NORTHPORT, NY, 11768 (631) 261-5700 APPLICANT: THE PRESERVE AT INDIAN HILLS 1 RABRO DRIVE, SUITE 100 HAUPPAUGE, N.Y. 11788 (631) 351-4500	RETAINING WALL SECTIONS FOR THE PRESERVE AT INDIAN HILLS SITUATED AT NORTHPORT TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK S.C.T.M.: DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2 DISTRICT 0400, SECT. 015, BLK. 01, LOTS 3, 1, 2, 11, 12, 16, 19 AND P/O 22																								
 N&P NELSON & POPE ENGINEERS & SURVEYORS 572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747 PHONE (631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM	<table border="1"> <tr> <td>DRAWN BY:</td> <td>GEO</td> <td>CADD No.:</td> <td>86047 PM 2018</td> <td>SCALE:</td> <td>NONE</td> <td>DRAWING NO.:</td> <td>C-504</td> </tr> <tr> <td>CHECKED BY:</td> <td>JM</td> <td>FILE NO.:</td> <td>480-014</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>DATE:</td> <td>DECEMBER, 2017</td> <td>PROJECT NO.:</td> <td>86047</td> <td></td> <td></td> <td></td> <td>SHEET NO.: 34 OF 35</td> </tr> </table>	DRAWN BY:	GEO	CADD No.:	86047 PM 2018	SCALE:	NONE	DRAWING NO.:	C-504	CHECKED BY:	JM	FILE NO.:	480-014					DATE:	DECEMBER, 2017	PROJECT NO.:	86047				SHEET NO.: 34 OF 35
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DUST CONTROL NOTES

DEFINITION
THE CONTROL OF DUST RESULTING FROM LAND-DISTURBING ACTIVITIES.

PURPOSE
TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM DISTURBED SOIL SURFACES THAT MAY CAUSE OFF-SITE DAMAGE, HEALTH HAZARDS AND TRAFFIC SAFETY PROBLEMS.

CONDITIONS WHERE PRACTICE APPLIES
ON CONSTRUCTION ROADS, ACCESS POINTS, AND OTHER DISTURBED AREAS SUBJECT TO SURFACE DUST MOVEMENT AND DUST BLOWING WHERE OFF-SITE DAMAGE MAY OCCUR IF DUST IS NOT CONTROLLED.

DESIGN CRITERIA
CONSTRUCTION OPERATIONS SHOULD BE SCHEDULED TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ONE TIME. BUFFER AREAS OF VEGETATION SHOULD BE LEFT WHERE PRACTICAL. TEMPORARY OR PERMANENT STABILIZATION MEASURES SHOULD BE INSTALLED. NO SPECIFIC DESIGN CRITERIA ARE GIVEN; SEE CONSTRUCTION SPECIFICATIONS BELOW FOR COMMON METHODS OF DUST CONTROL.

WATER QUALITY MUST BE CONSIDERED WHEN MATERIALS ARE SELECTED FOR DUST CONTROL. WHERE THERE IS POTENTIAL FOR THE MATERIAL TO WASH OFF TO A STREAM OR WATER BODY, INGREDIENT INFORMATION MUST BE PROVIDED TO THE LOCAL PERMITTING AUTHORITY.

CONSTRUCTION SPECIFICATIONS

A. NON-DRIVING AREAS - THESE AREAS USE PRODUCTS AND MATERIALS APPLIED OR PLACED ON SOIL SURFACES TO PREVENT AIRBORNE MIGRATION OF SOIL PARTICLES.

VEGETATIVE COVER - FOR DISTURBED AREAS NOT SUBJECT TO TRAFFIC; VEGETATION PROVIDES THE MOST PRACTICAL METHOD OF DUST CONTROL. TEMPORARY SEEDING SHALL BE AS FOLLOWS:
RYE GRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE (0.7 LBS./1,000 S.F.)
CERTIFIED "ARROSTOOK" WINTER RYE (CEREAL RYE) AT 100 LBS. PER ACRE (2.5 LBS./S.F.)
USE WINTER RYE IF SEEDING IN OCTOBER / NOVEMBER.

MULCH (INCLUDING GRAVEL, MULCH - MULCH OFFERS A FAST, EFFECTIVE MEANS OF CONTROLLING DUST. THIS CAN ALSO INCLUDE ROLLED EROSION CONTROL BLANKETS).

SPRAY ADHESIVES - THESE ARE PRODUCTS GENERALLY COMPOSED OF POLYMERS IN A LIQUID OR SOLID FORM THAT ARE MIXED WITH WATER TO FORM AN EMULSION THAT IS SPRAYED ON THE SOIL SURFACE WITH TYPICAL HYDROSPREADING EQUIPMENT. THE MIXING RATIOS AND APPLICATION RATES WILL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIC SOILS ON THE SITE. IN NO CASE SHALL THE APPLICATION OF THESE ADHESIVES BE MADE ON WET SOILS OR IF THERE IS A PROBABILITY OF PRECIPITATION WITHIN 48 HOURS OF ITS PROPOSED USE. MATERIAL SAFETY DATA SHEETS WILL BE PROVIDED TO ALL APPLICATORS AND OTHERS WORKING WITH THE MATERIAL.

EXAMPLES OF SPRAY ADHESIVES FOR USE ON MINERAL SOILS ARE SHOWN IN THE FOLLOWING TABLE.

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS ACRE
ACRYLIC POLYMER	9:1	COURSE SPRAY	500
LATEX EMULSION	12:1	FINE SPRAY	250
RESIN IN WATER	4:1	FINE SPRAY	300

B. DRIVING AREAS - THESE AREAS UTILIZE WATER, POLYMER EMULSIONS AND BARRIERS TO PREVENT DUST MOVEMENT FROM THE TRAFFIC SURFACE INTO THE AIR.

SPRINKLING - THIS SITE MAY BE SPRAYED UNTIL THE SURFACE IS WET. THIS IS ESPECIALLY EFFECTIVE ON HAUL ROADS AND ACCESS ROUTES.

POLYMER ADDITIVES - THESE POLYMERS ARE MIXED WITH WATER AND APPLIED TO THE DRIVING SURFACE BY A WATER TRUCK WITH A GRAVITY FEED DRIP BAR, SPRAY BAR OR AUTOMATED DISTRIBUTOR TRUCK. THE MIXING RATIOS AND APPLICATION RATES WILL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. INCORPORATION OF THE EMULSION INTO THE SOIL WILL BE DONE TO THE APPROPRIATE DEPTH BASED ON EXPECTED TRAFFIC COMPACTION AFTER INCORPORATION WILL BE BY VIBRATORY ROLLER TO A MINIMUM OF 95%. THE PREPARED SURFACE SHALL BE MOST ADEQUATE FOR THE APPLICATION OF THE POLYMER. IF THERE IS A PROBABILITY OF PRECIPITATION WITHIN 48 HOURS OF ITS PROPOSED USE, MATERIAL SAFETY DATA SHEETS WILL BE PROVIDED TO ALL APPLICATORS WORKING WITH THE MATERIAL.

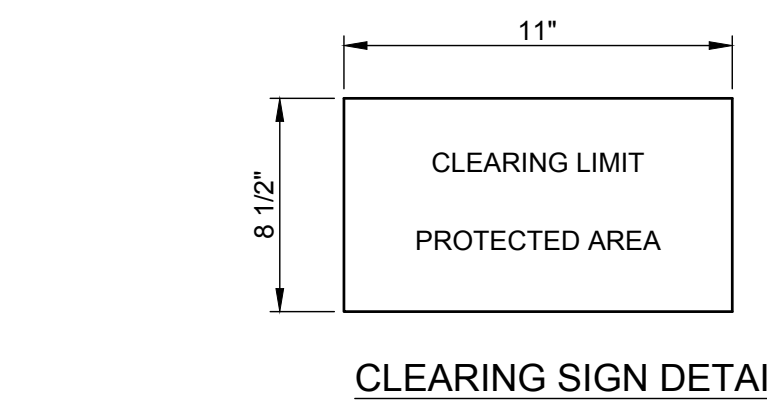
BARRIERS - WOVEN GEOTEXTILES CAN BE PLACED ON THE DRIVING SURFACE TO EFFECTIVELY REDUCE DUST THROW AND PARTICLE MIGRATION ON HAUL ROADS. STONE CAN ALSO BE USED FOR CONSTRUCTION ROADS FOR EFFECTIVE DUST CONTROL.

WINDBREAK - A SILT FENCE OR SIMILAR BARRIER CAN CONTROL AIR CURRENTS AT INTERVALS EQUAL TO TEN TIMES THE BARRIER HEIGHT. PRESERVE EXISTING WIND BARRIER VEGETATION AS MUCH AS PRACTICAL.

MAINTENANCE
MAINTAIN DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED.

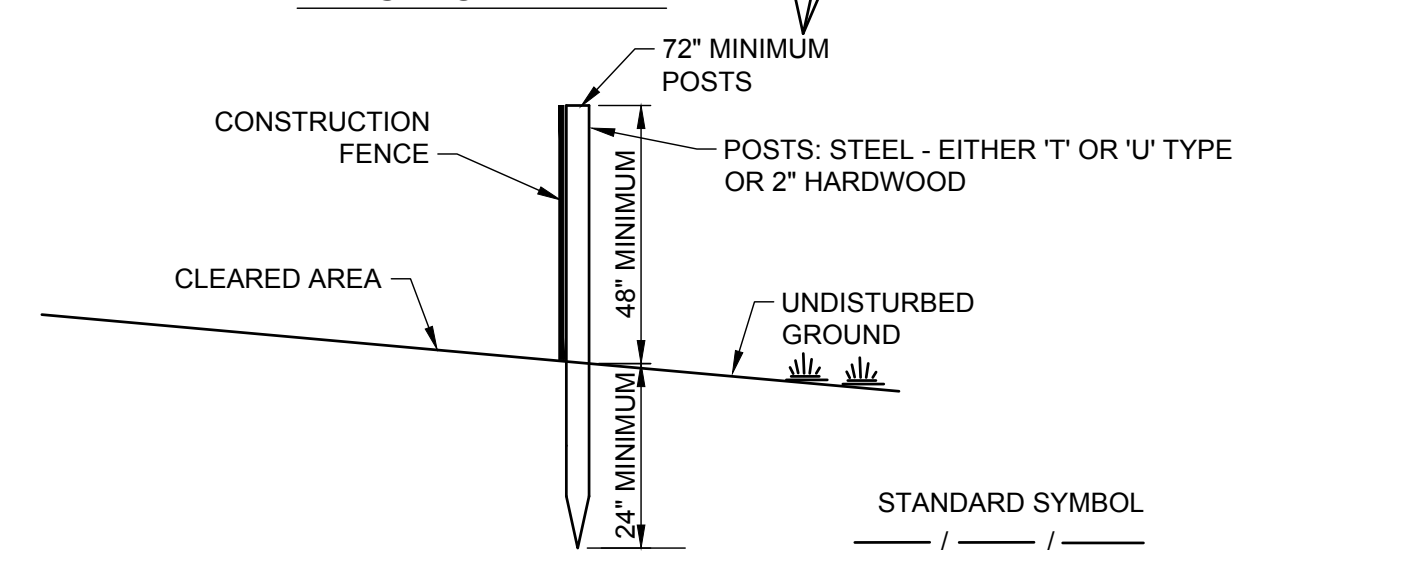
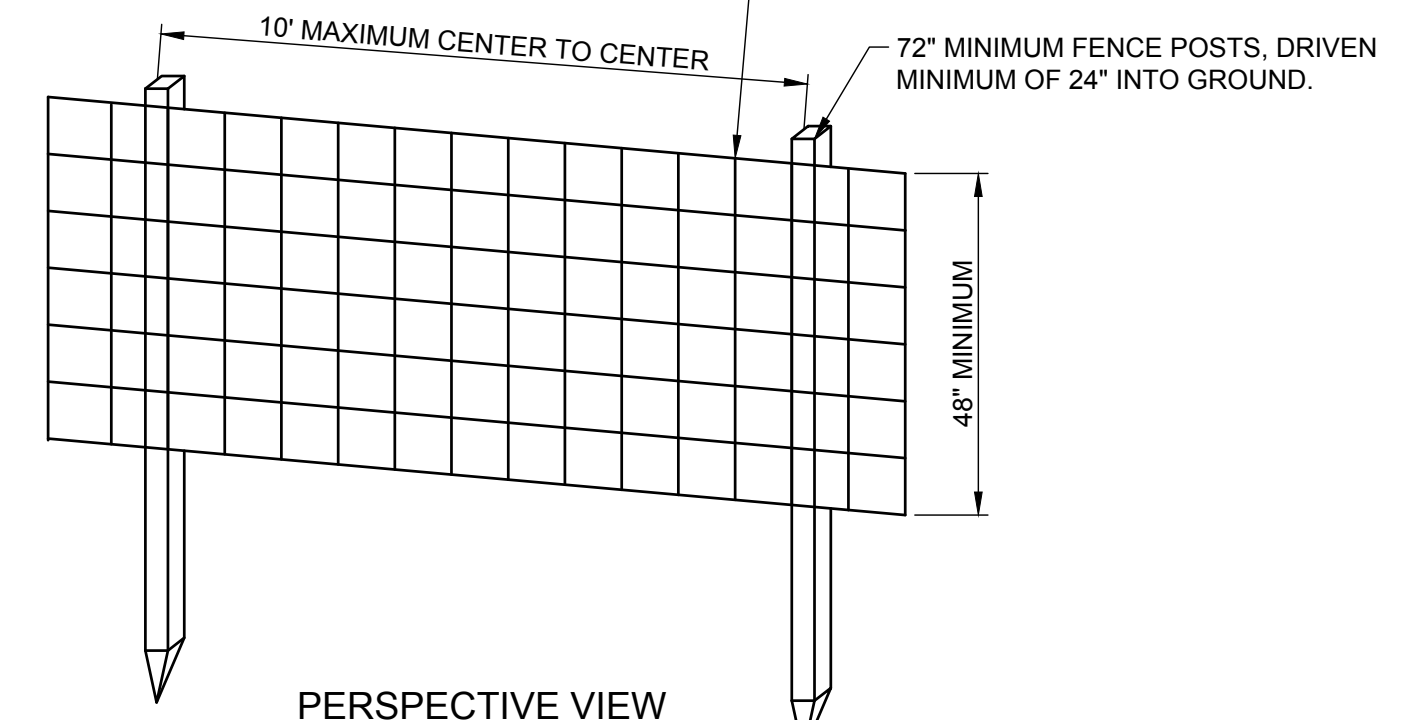
EROSION CONTROL NOTES

- A - EXISTING VEGETATION TO REMAIN SHALL BE PROTECTED AND REMAIN UNDISTURBED.
- B - CLEARING AND GRADING SHALL BE SCHEDULED SO AS TO MINIMIZE THE SIZE OF EXPOSED AREAS AND THE LENGTH OF TIME THAT AREAS ARE EXPOSED.
- C - THE LENGTH AND STEEPNESS OF CLEARED SLOPES SHALL BE MINIMIZED TO REDUCE RUN-OFF VELOCITIES.
- D - RUN-OFF SHALL BE DIVERTED AWAY FROM CLEARED SLOPES.
- E - SEDIMENT SHALL BE TRAPPED ON-SITE.
- SPECIFIC METHODS AND MATERIALS EMPLOYED IN THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES SHALL CONFORM TO THE NEW YORK GUIDELINES FOR EROSION AND SEDIMENT CONTROL, LATEST EDITION.
- SEDIMENT BARRIERS (SILT FENCES, HAY BALES OR APPROVED EQUAL) SHALL BE INSTALLED AS REQUIRED ALONG LIMITS OF DISTURBANCE FOR THE DURATION OF THE WORK. NO SEDIMENT FROM THE SITE SHALL BE PERMITTED TO WASH ON TO ADJACENT PROPERTIES, WETLANDS OR ROADS.
- GRADED AND STRIPPED AREAS AND STOCKPILES SHALL BE KEPT STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AS REQUIRED. SEED MIXTURE SHALL BE IN ACCORDANCE WITH SOIL CONSERVATION SERVICE RECOMMENDATIONS.
- DRAINAGE INLETS INSTALLED AS PART OF THE PROJECT SHALL BE PROTECTED FROM SEDIMENT BUILD-UP THROUGH THE USE OF SEDIMENT BARRIERS, SEDIMENT TRAPS, ETC., AS REQUIRED.
- INSPECTION AND MAINTENANCE OF EROSION CONTROL MEASURES IS TO BE PERFORMED DAILY BY CONTRACTOR PRIOR TO THE START OF CONSTRUCTION FOR THE DAY AND AFTER HEAVY OR PROLONGED STORMS. MAINTENANCE MEASURES INCLUDE, BUT NOT LIMITED TO, CLEANING OF SEDIMENT BASINS OR TRAPS, CLEANING OR REPAIR OF SEDIMENT BARRIERS, CLEANING AND REPAIR OF BERMS AND DIVERSIONS, AND CLEANING AND REPAIR OF INLET PROTECTION.
- APPROPRIATE MEANS SHALL BE USED TO CONTROL DUST DURING CONSTRUCTION. SEE DUST CONTROL NOTES, THIS SHEET.
- A STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT SOIL AND LOOSE DEBRIS FROM BEING TRACKED ONTO LOCAL ROADS. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED UNTIL THE SITE IS PERMANENTLY STABILIZED.
- SEDIMENT BARRIERS AND OTHER EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL UPLAND DISTURBED AREAS ARE PERMANENTLY STABILIZED. AFTER PERMANENT STABILIZATION, PAVED AREAS SHALL BE CLEANED AND DRAINAGE SYSTEM FLUSHED AS NECESSARY.
- DURING THE COURSE OF CONSTRUCTION, CERTAIN EROSION AND SEDIMENT CONTROL MEASURES MAY BECOME NECESSARY TO PREVENT THE TRANSPORT OF SEDIMENT TO OFF-SITE AREAS, PONDS, WATER COURSES, DRAINAGE INLETS, RECHARGE BASINS, ETC. ACTUAL EROSION CONTROL MEASURES WILL BE DICTATED BY FIELD CONDITIONS AS CONSTRUCTION PROGRESSES BUT THE GENERAL CONDITIONS IN NOTES 1 THROUGH 9 SHALL BE OBSERVED.



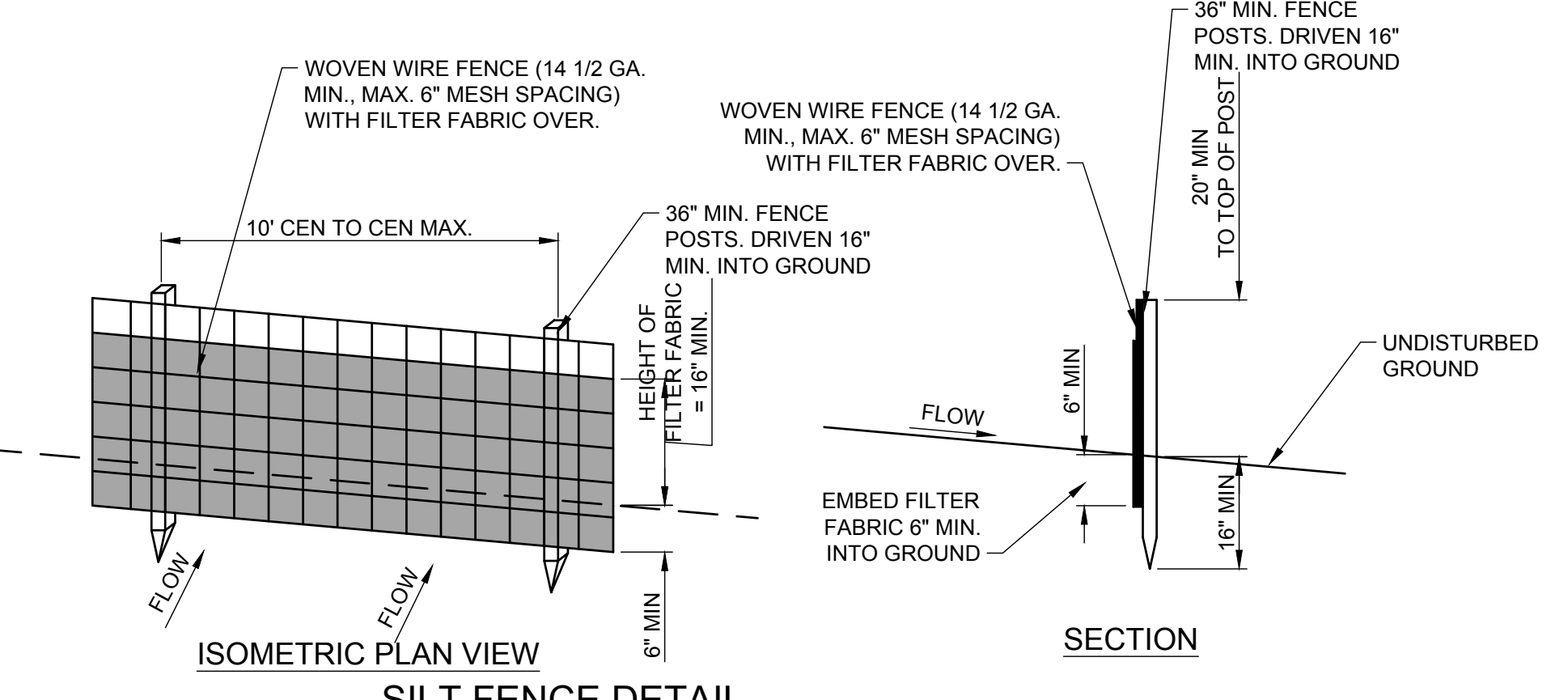
- NOTES:**
- THE SIGNS SHALL BE ATTACHED TO THE FENCE WITH WIRE SUBJECT TO THE APPROVAL OF THE ENGINEERING INSPECTOR.
 - SIGNS AND LETTERING SHALL BE OF WATERPROOF MATERIAL SUBJECT TO THE APPROVAL OF THE TOWN ENGINEERING INSPECTOR.
 - THE SIGNS SHALL BE LOCATED ON FENCING 20' MAXIMUM ON CENTER.
 - LETTERING SHALL BE 1" MINIMUM IN HEIGHT.

CONSTRUCTION FENCE SHALL BE MANUFACTURED OF POLYETHYLENE OR POLYPROPYLENE WITH A NOMINAL RECTANGULAR MESH OPENING OF NO GREATER THAN 1" x 2". FENCE SHALL BE 48" HIGH AND SUPPLIED IN ROLLS OF AT LEAST 50' IN LENGTH. COLOR SHALL BE "INTERNATIONAL ORANGE".



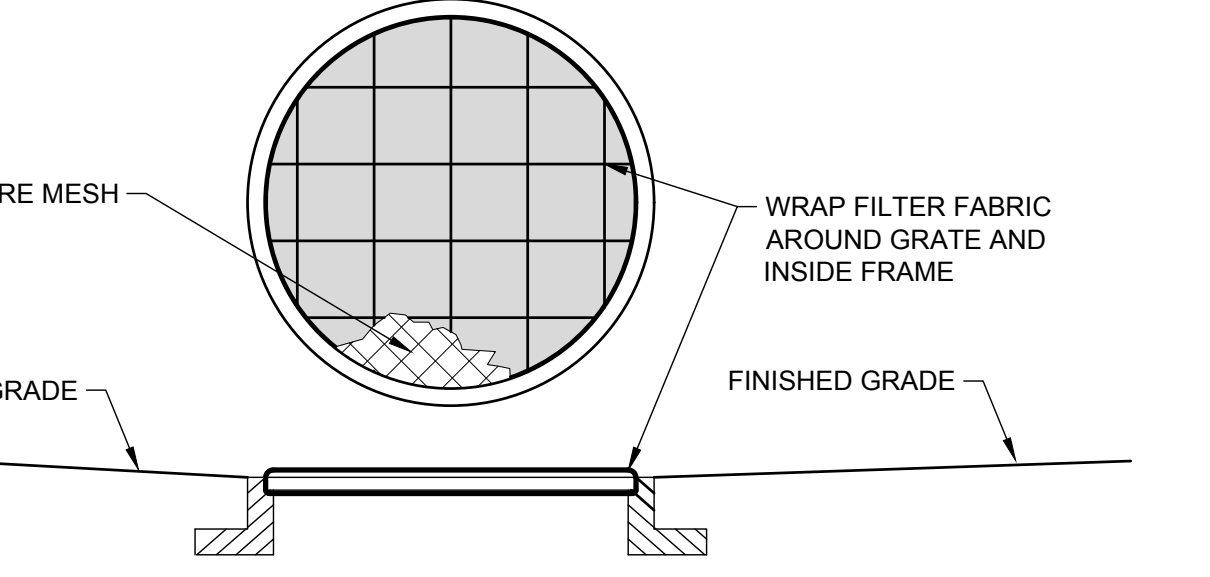
CONSTRUCTION FENCE DETAIL
NOT TO SCALE

- NOTES:**
- THE CONTRACTOR SHALL INSTALL THE CONSTRUCTION FENCE IN LOCATIONS AS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS OR MUNICIPAL AUTHORITIES.
 - THE PRIMARY PURPOSE OF THE CONSTRUCTION FENCE IS TO CLEARLY DELINEATE A CONSTRUCTION AREA AND PROVIDE SOME MEASURE OF PROTECTION FOR THE SURROUNDING NATURAL AREAS. IT IS NOT DESIGNED OR INTENDED TO BE AN IMPENETRABLE BARRIER TO THOSE INTENT ON ENTERING THE CONSTRUCTION SITE.
 - CONSTRUCTION FENCE SHALL BE INSTALLED BY WEAVING FENCE POSTS VERTICALLY THROUGH AT LEAST THREE (3) MESH OPENINGS (TOP, MIDDLE AND BOTTOM OF FENCE) AND DRIVING POSTS WITH A 3LB. HAND DRILLING HAMMER (OR EQUIVALENT) FLUSH WITH THE TOP OF FENCING. POSTS SHALL BE AT AN INTERVAL OF NO GREATER THAN TEN FEET. FENCING SHALL BE SECURED FIRMLY TO EACH POST AT THE TOP, BOTTOM AND MID-POINT WITH WIRE REBAR TIES. WHERE LENGTHS OF FENCING ARE JOINED, A POST SHALL BE WOVEN THROUGH BOTH FENCE SECTIONS AT THE JOINT, WITH TIES FASTENING BOTH FENCE SECTIONS TO THE POST. FENCING SHALL BE STRETCHED AS TAUT AS PRACTICAL BETWEEN FENCE POSTS WITHOUT INORDINATELY DEFLECTING POSTS.
 - TEMPORARY OPENINGS IN CONSTRUCTION FENCE INSTALLATIONS SHALL BE PERMITTED FOR ENTRY OF WORKERS, MATERIALS AND EQUIPMENT. SUCH OPENINGS SHALL BE SECURED AT THE END OF EACH WORK DAY IN THE MANNER AFOREMENTIONED FOR JOINING FENCE SECTIONS.
 - POSTS: STEEL, EITHER "T" OR "U" TYPE OR 2" HARDWOOD.



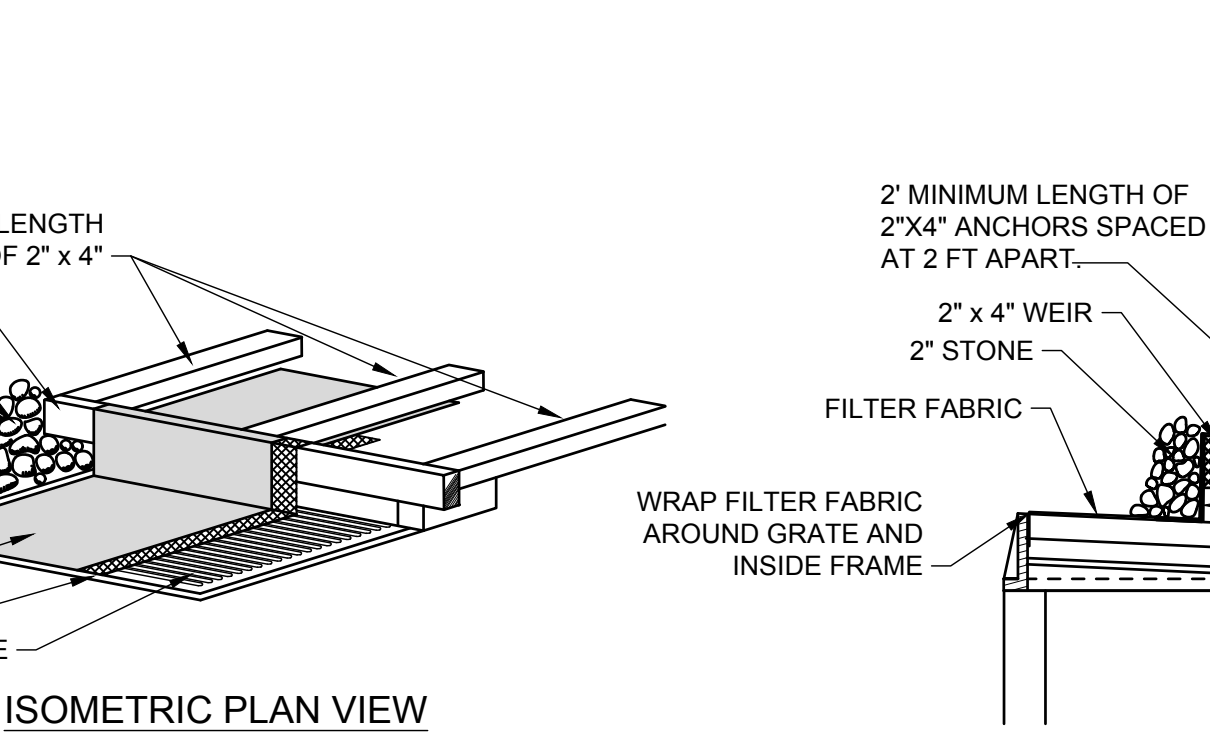
SILT FENCE DETAIL
NOT TO SCALE

- NOTES:**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 - POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD.
 - FENCE: WOVEN WIRE, 14 1/2 GA. 6" MAX. MESH OPENING.
 - FILTER CLOTH SHALL BE A WOVEN GEOTEXTILE COMPOSED OF POLYPROPYLENE CONFORMING TO AASHTO M288.



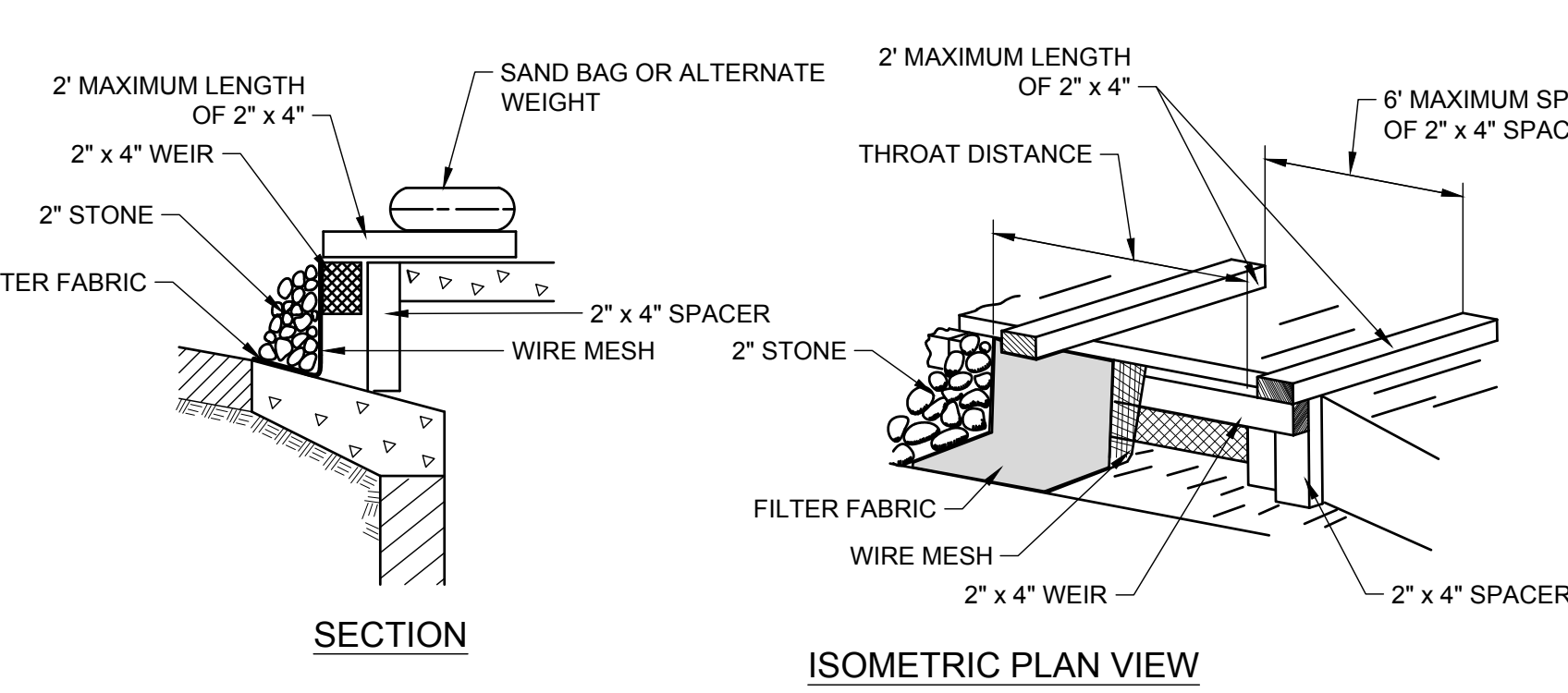
INLET GRATE PROTECTION DETAIL
NOT TO SCALE

- NOTES:**
- FILTER FABRIC SHALL HAVE AN APPROVED AOS OF 40-85.
 - MAINTAIN / REPLACE FILTER FABRIC AS REQUIRED.



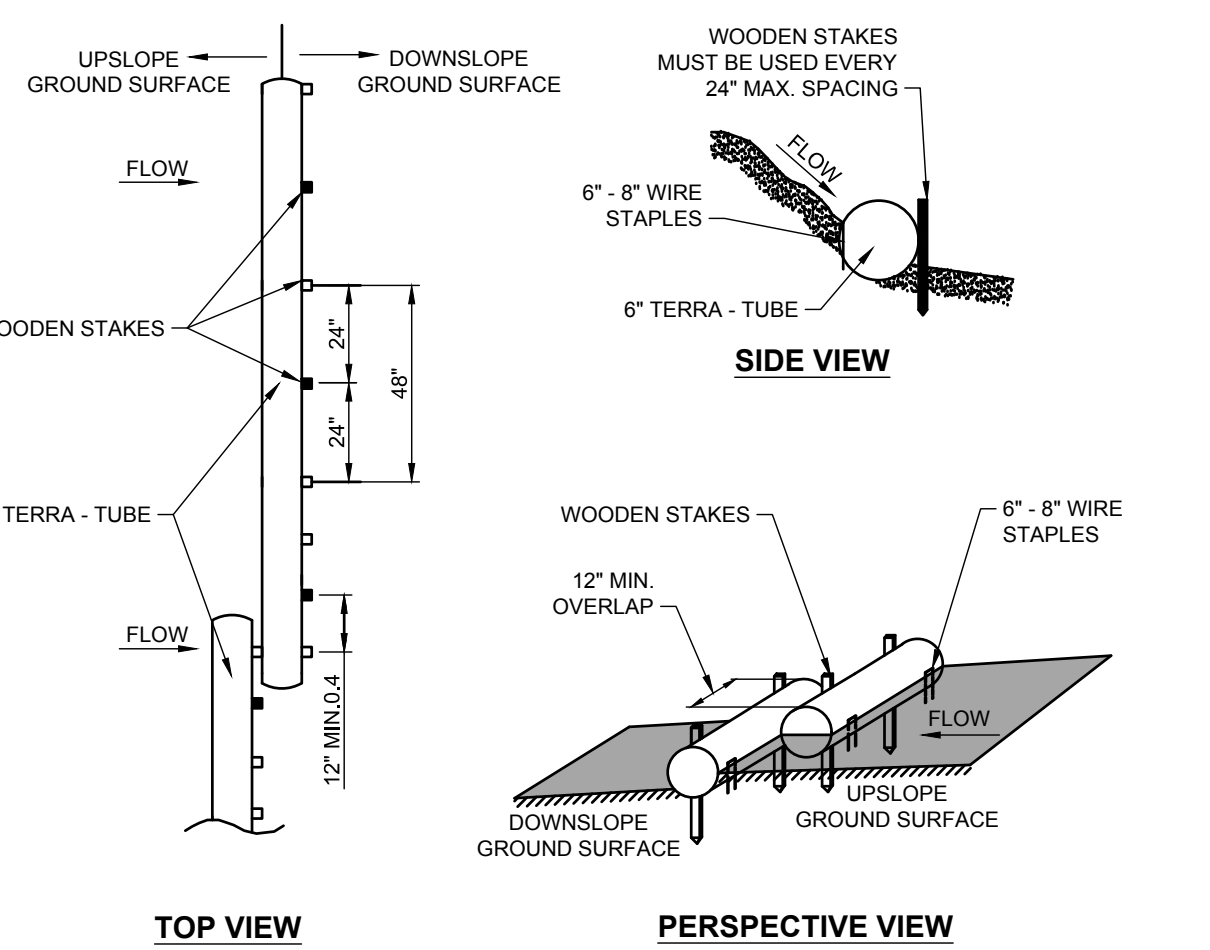
CURB AND GRATE INLET PROTECTION
NOT TO SCALE

- NOTES:**
- FILTER FABRIC SHALL HAVE AN AOS OF 40-85.
 - WOODEN FRAME SHALL BE CONSTRUCTED OF 2" x 4" CONSTRUCTION GRADE LUMBER.
 - WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" x 4" WEIR.
 - THE WEIR SHALL BE SECURELY NAILED TO 2" x 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
 - THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" x 4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.
 - MAXIMUM DRAINAGE AREA 1 ACRE.



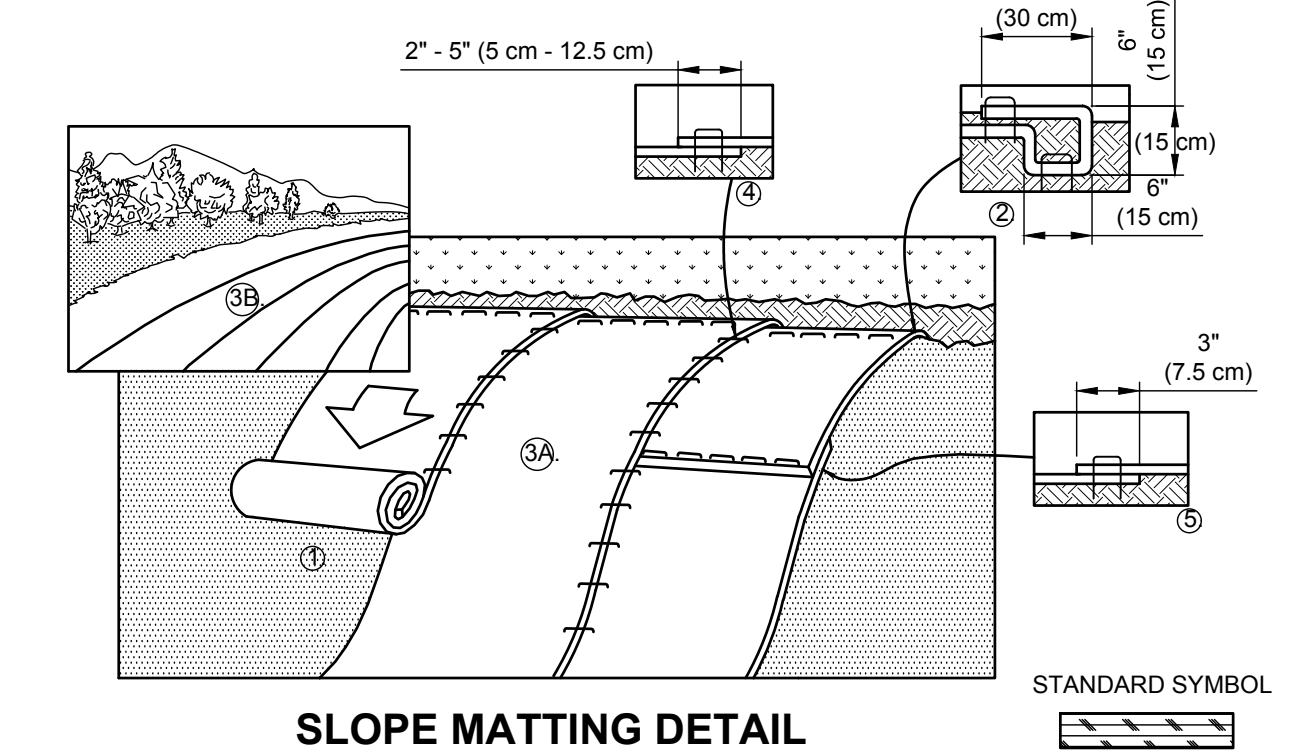
CURB DROP INLET PROTECTION
NOT TO SCALE

- NOTES:**
- FILTER FABRIC SHALL HAVE AN AOS OF 40-85.
 - WOODEN FRAME SHALL BE CONSTRUCTED OF 2" x 4" CONSTRUCTION GRADE LUMBER.
 - WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" x 4" WEIR.
 - THE WEIR SHALL BE SECURELY NAILED TO 2" x 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
 - THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" x 4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.
 - MAXIMUM DRAINAGE AREA 1 ACRE.



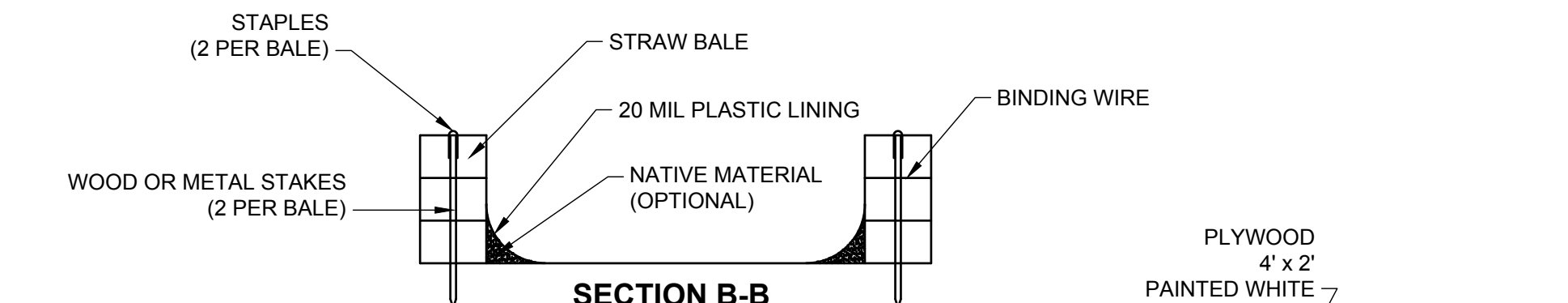
TERRA TUBE DETAIL
NOT TO SCALE

- NOTES:**
- INSTALL TERRA-TUBES PRIOR TO ANY SEEDING.
 - REMOVE ALL OBSTRUCTIONS LARGER THAN 1/2" IN DIAMETER.
 - ANCHOR UPSLOPE SIDE USING 6" x 8" U-SHAPED WIRE STAPLES OR APPROVED DEVICE EVERY 1' POSITION ANCHORS 1' INWARD FROM UPSLOPE OF DEVICE, DRIVE FLUSH TO SOIL.
 - BACKFILL AND COMPACT LOOSE SOIL AGAINST UPSLOPE SIDE.
 - OVERLAP ADJACENT TUBES BY A MINIMUM OF 1". REDUCE STAKE INTERVAL ON DOWNSLOPE SIDE TO 1' INTERVAL MAKING SURE TO PLACE A STAKE AT THE END OF THE TUBES.
 - REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.

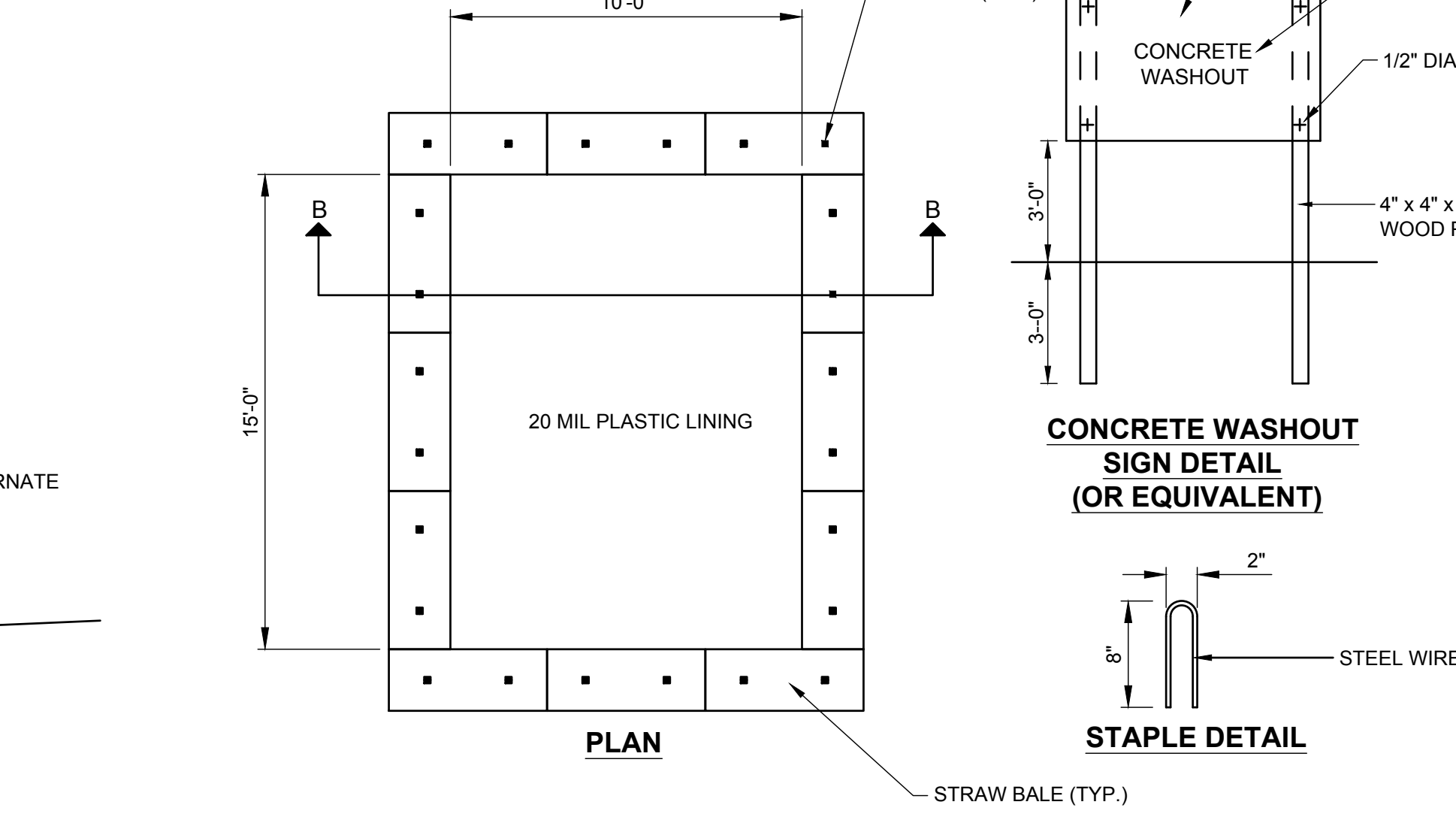


SLOPE MATTING DETAIL
NOT TO SCALE

- NOTES:**
- PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPs), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 - BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPs IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECPs EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPs WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECPs BACK OVER SEED AND COMPACTED SOIL. SECURE RECPs OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECPs.
 - ROLL THE RECPs (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECPs WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPs MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN. THE EDGES OF PARALLEL RECPs MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECPs TYPE.
 - CONSECUTIVE RECPs SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECPs WIDTH.
 - IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECPs.

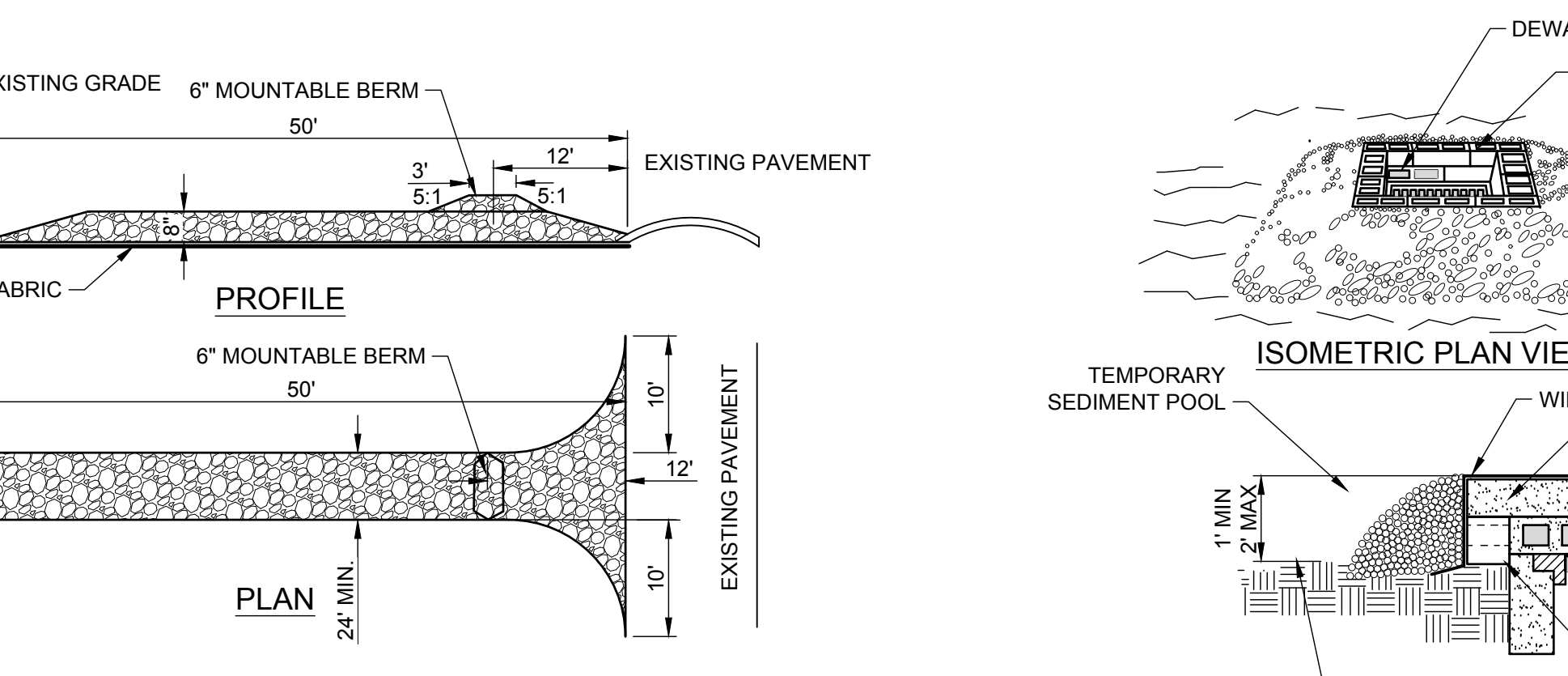


SECTION B-B
NOT TO SCALE



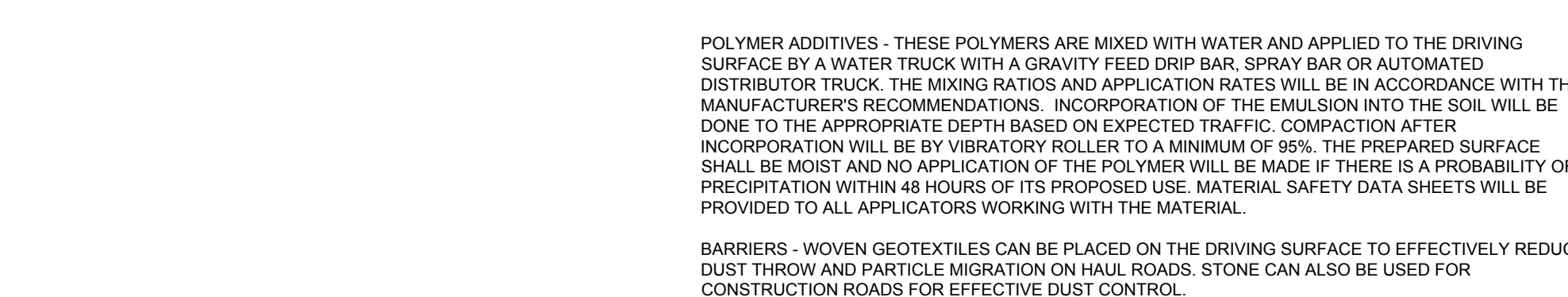
TEMPORARY STRAW BALE CONCRETE WASHOUT DETAIL
NOT TO SCALE

- NOTES:**
- WASHOUT AREA SHALL BE A MINIMUM OF 50' FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES AND WATER COURSES.
 - ONCE CONCRETE WASTES ARE WASHED INTO DESIGNATED AREAS AND ALLOWED TO HARDEN, THE CONCRETE SHOULD BE BROKEN UP, REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, COUNTY, AND STATE REGULATIONS.
 - THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 20' OF TEMPORARY WASHOUT FACILITY.

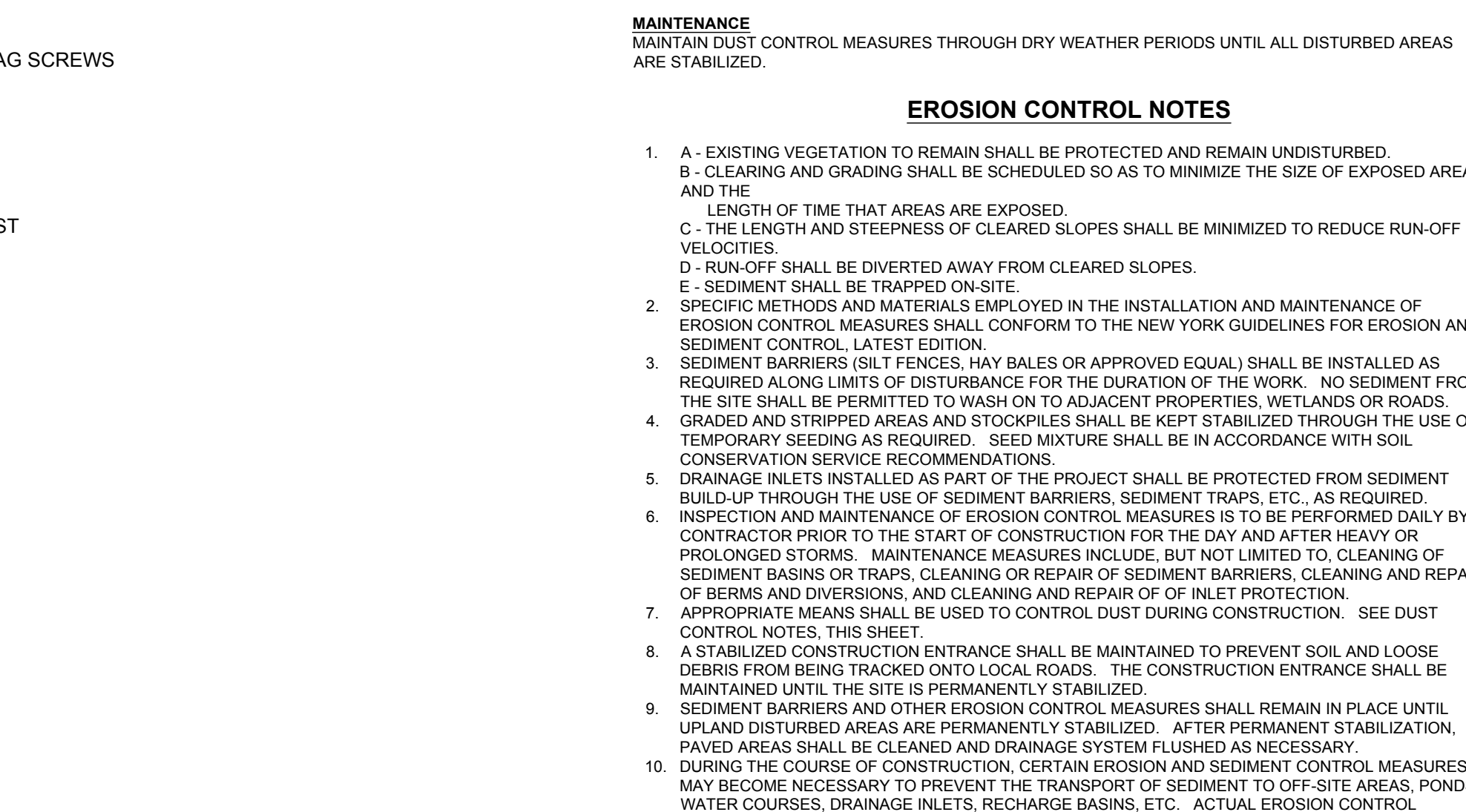


STABILIZED CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

- NOTES:**
- STONE SIZE - USE 2" STONE.
 - LENGTH - NOT LESS THAN 50 FEET.
 - THICKNESS - NOT LESS THAN EIGHT (8) INCHES.
 - WIDTH - TWENTY FOUR (24) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)
NOT TO SCALE



STONE AND BLOCK INLET PROTECTION DETAIL
NOT TO SCALE

- NOTES:**
- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
 - HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
 - USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
 - FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.
 - MAXIMUM DRAINAGE AREA - 1 ACRE

No.	REVISION	DATE
1	REVISE LAYOUT	06-15-2018

SEDIMENT AND EROSION CONTROL DETAILS

FOR
THE PRESERVE AT INDIAN HILLS

SITUATED AT
NORTHPORT

TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK
S.C.T.M. DISTRICT 0400, SECT. 014, BLK. 04, LOTS 1 AND 2
DISTRICT 0400, SECT. 015, BLK. 01, LOTS 1, 11, 12, 13 AND PLO 22

OWNER
P.R.C.C. INC. AND
ROBING REVOCABLE TRUST
21 BREEZE HILL ROAD
NORTHPORT, NY 11788
(631) 261-5700

APPLICANT:
THE PRESERVE AT INDIAN HILLS
1 RABRO DRIVE, SUITE 100
HAUPPAUGE, NY 11788
(631) 351-4500

FOR TOWN USE

N&P NELSON & POPE
ENGINEERS & SURVEYORS
572 WALT WHITMAN ROAD, MELVILLE, N.Y. 11747
PHONE (631) 427-5665 FAX (631) 427-5620
WWW.NELSONPOPE.COM

DRAWN BY: GEO **CADD No.:** 8004 PM 2018
CHECKED BY: JM **FILE No.:** 400-014
DATE: DECEMBER, 2017 **PROJECT No.:** 86047 **SCALE:** NONE **DRAWING No.:** C-505 **SHEET No.:** 35 OF 35

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.