HERITAGE HILLS

NEWKIRK ROAD. * TOWN OF EAST GREENBUSH * COUNTY OF RENSSELAER

SITE PLAN APPROVAL BY PLANNING BOARD
TOWN OF EAST GREENBUSH, NEW YORK
CONDITIONS OR MODIFICATIONS:

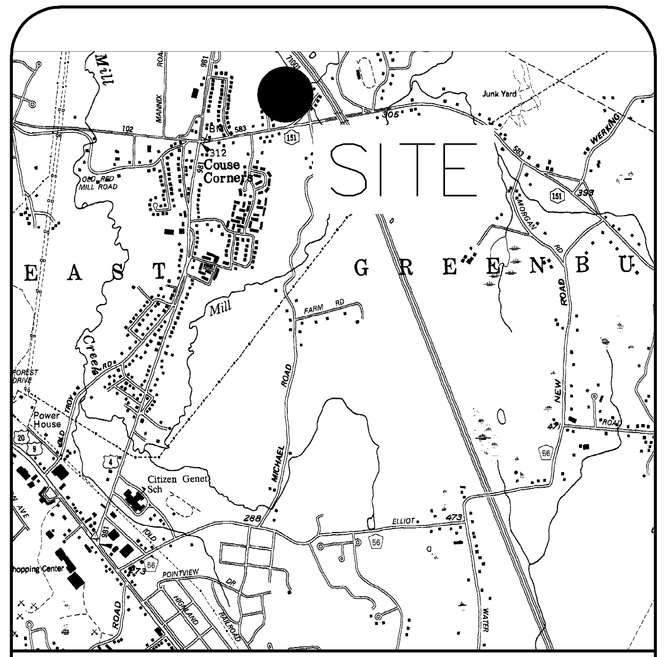
DATED: _____

APPROVED BY: _____
CHAIRMAN

DATED: _____

APPROVED BY: _____
COMMISSIONER OF PUBLIC WORKS

RENNSELAER COUNTY DOH



SITE LOCATION MAP
SCALE: 1"=2000'

LEGEND	
SHEET	DESCRIPTION
1	OVERALL SITE PLAN
2	DETAILED SITE PLAN
3	GRADING PLAN
4	UTILITY PLAN
5	PROFILE 1
6	PROFILE 2
7	LANDSCAPING PLAN
8	EROSION AND SEDIMENT CONTROL PLAN
9	DETAILS
10	DETAILS
11	DETAILS

SITE ZONING

ZONE: R-2

MINIMUM LOT SIZE: 7,500 S.F.
MAXIMUM LOT WIDTH: 75 FT
MAXIMUM LOT COVERAGE: 25%
MINIMUM FRONT YARD: 25 FT
MINIMUM SIDE YARD: 8 FT
MINIMUM REAR YARD: 25 FT
MAXIMUM BUILDING HEIGHT: 35 FT
MAXIMUM DENSITY: 6 UNITS PER ACRE

SITE STATISTICS

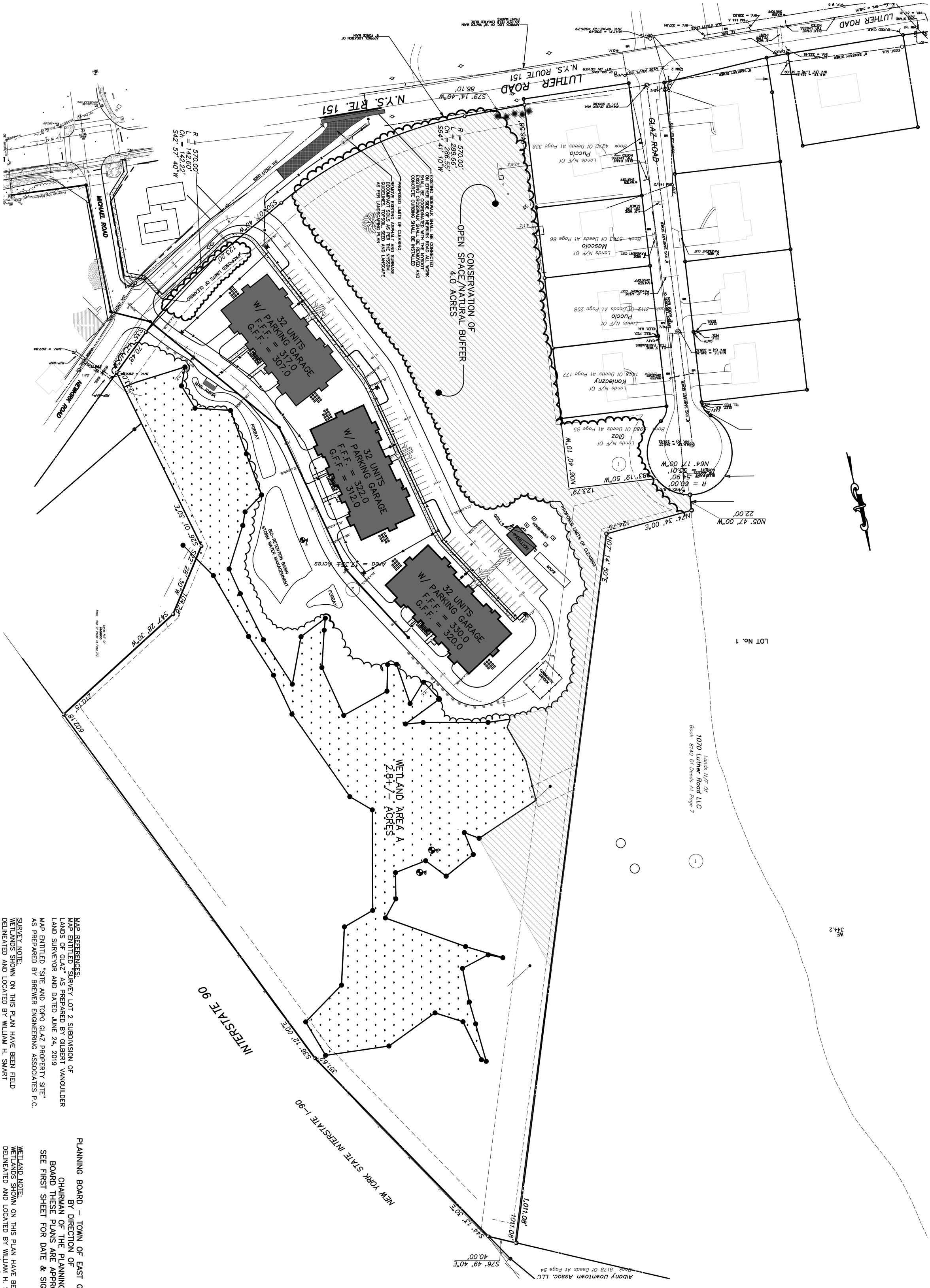
APPLICANT: AMEDORE LAND DEVELOPMENT LLC
1900 WESTERN AVENUE
ALBANY, NY 12203
SBL 155-7-10
AREA = 17.35± ACRES
USE: (3) 32 UNIT SENIOR APARTMENT BUILDINGS
PARKING PROVIDED = 165 SPACES (1.65 SPACES/UNIT)
DENSITY: 5.5 DU/ACRE

PREPARED BY:
BRETT L. STEENBURGH, P.E. LLC

2832 ROSENDALE ROAD
NISKAYUNA, NY 12309
(518) 365-0675
bsteenburghpe@yahoo.com

CIVIL ENVIRONMENTAL STRUCTURAL

APPLICANT:
AMEDORE LAND DEVELOPMENT LLC
1900 WESTERN AVENUE
ALBANY, NY 12203



PLANNING BOARD – TOWN OF EAST GREENBUSH
BY DIRECTION OF
CHAIRMAN OF THE PLANNING
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MAP REFERENCES:
MAP ENTITLED "SURVEY LOT 2 SUBDIVISION OF LANDS OF GLAZ" AS PREPARED BY GILBERT VANGUILDER LAND SURVEYOR AND DATED JUNE 24, 2019
MAP ENTITLED "SITE AND TOPO GLAZ PROPERTY SITE" AS PREPARED BY BREWER ENGINEERING ASSOCIATES P.C.

SURVEY NOTE:
WETLANDS SHOWN ON THIS PLAN HAVE BEEN FIELD DELINEATED AND LOCATED BY WILLIAM H. SMART ENGINEERING PLLC AND DATED 9/26/16

WETLAND NOTE:
WETLANDS SHOWN ON THIS PLAN HAVE BEEN FIELD DELINEATED AND LOCATED BY WILLIAM H. SMART ENGINEERING PLLC AND DATED 9/26/16

NOTE: 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONTACT THE DIG SAFELY NEW YORK TO LOCATE ALL UNDERGROUND UTILITIES. 1-800-962-7962

OVERALL PLAN

AMEDORE LAND DEVELOPMENT
NEWKIRK ROAD
TOWN OF EAST GREENBUSH
COUNTY OF RENNSELAER STATE OF NEW YORK

DRAWN BY: BLS CADD FILE: DF	CHECKED BY: BLS JOB NO. AMEDORE GLAZ	SCALE: 1" = 60'
DATE: APRIL 20, 2018		SHEET 1 OF 11

BRETT L. STEENBURGH, P.E. PLLC

2832 ROSENDALE ROAD
NISKAYUNA, NY 12309
PHONE - (518) 365-0675
FAX - (518) 280-6520
bsteenbu@nycap.rr.com

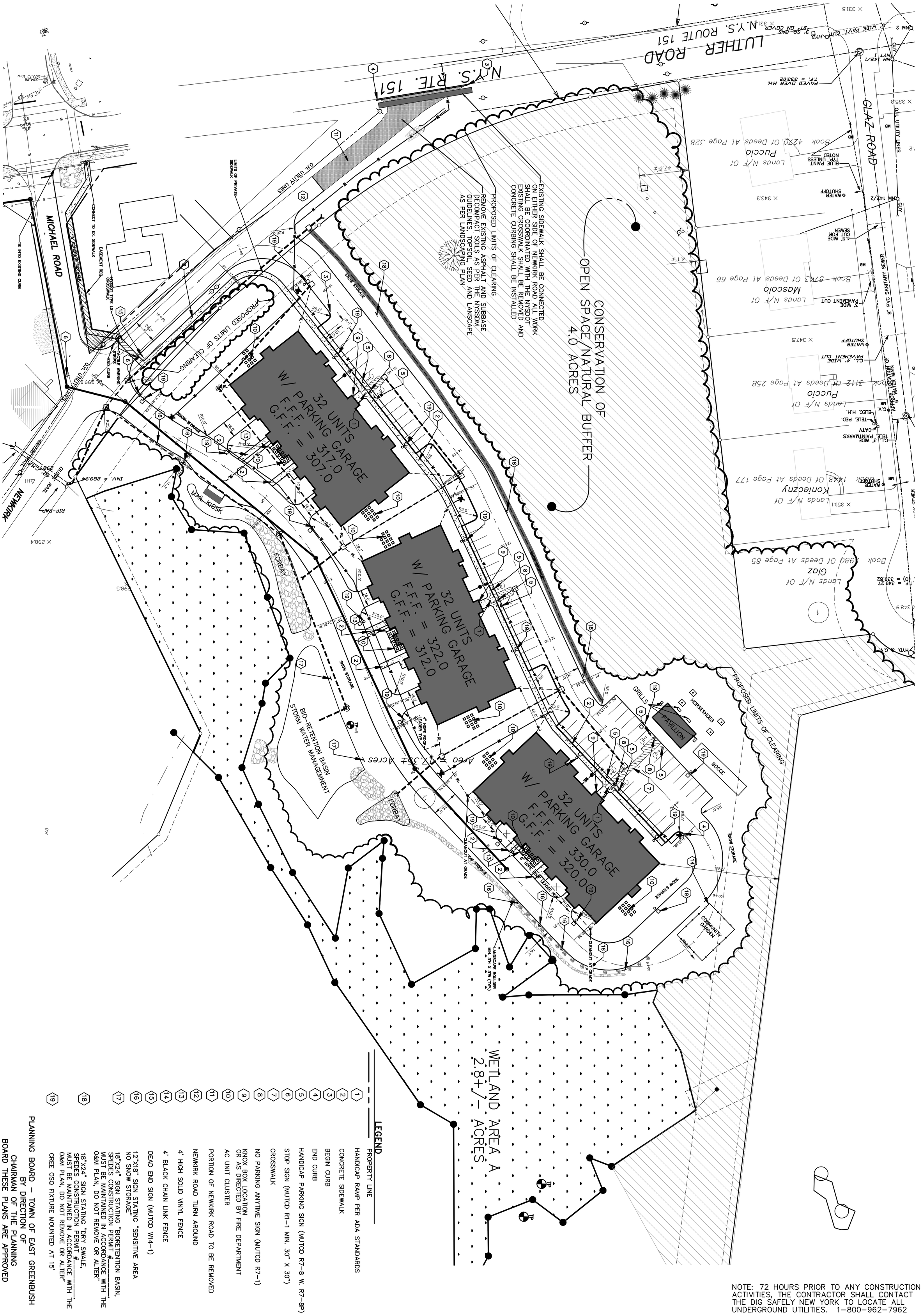
CIVIL ENVIRONMENTAL STRUCTURAL ENGINEERING

BRETT L. STEENBURGH, P.E.
N.Y.S. LIC. NO. 075458

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2	10/15/18	REVISED AS PER MJ ENGINEERING COMMENTS	
1	10/2/18	PROGRESS PRINT FOR PB REVIEW ONLY	



LEGEND

- PROPERTY LINE
- HANDICAP RAMP PER ADA STANDARDS
- CONCRETE SIDEWALK
- BEGIN CURB
- END CURB
- HANDICAP PARKING SIGN (MUTCD R7-8 W. R7-8P)
- STOP SIGN (MUTCD R1-1 MIN. 30" X 30")
- CROSSWALK
- NO PARKING ANYTIME SIGN (MUTCD R7-1)
- KNOX BOX LOCATION OR AS DIRECTED BY FIRE DEPARTMENT
- AC UNIT CLUSTER
- PORTION OF NEWKIRK ROAD TO BE REMOVED
- NEWKIRK ROAD TURN AROUND
- 4' HIGH SOLID VINYL FENCE
- 4' BLACK CHAIN LINK FENCE
- DEAD END SIGN (MUTCD W14-1)
- 12"X18" SIGN STATING "SENSITIVE AREA NO SNOW STORAGE"
- 18"X24" SIGN STATING "BIORETENTION BASIN, SPEDES CONSTRUCTION PERMIT #_____, MUST BE MAINTAINED IN ACCORDANCE WITH THE O&M PLAN, DO NOT REMOVE OR ALTER."
- 18"X24" SIGN STATING "DRY SWALE, SPEDES CONSTRUCTION PERMIT #_____, MUST BE MAINTAINED IN ACCORDANCE WITH THE O&M PLAN, DO NOT REMOVE OR ALTER"
- CREE OSQ FIXTURE MOUNTED AT 15'

PLANNING BOARD – TOWN OF EAST GREENBUSH
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DETAILED SITE PLAN

AMEDORE LAND DEVELOPMENT
NEWKIRK ROAD
TOWN OF EAST GREENBUSH
COUNTY OF RENNSELAER STATE OF NEW YORK

DRAWN BY: BLS CADD FILE: DF	CHECKED BY: BLS JOB NO. AMEDORE GLAZ	SCALE: 1" = 40'
DATE: APRIL 20, 2018		SHEET 2 OF 11

BRETT L. STEENBURGH, P.E. PLLC

2832 ROSENDALE ROAD
NISKAYUNA, NY 12309
PHONE – (518) 365-0675
FAX – (518) 280-6520
bsteenbu@nycap.rr.com

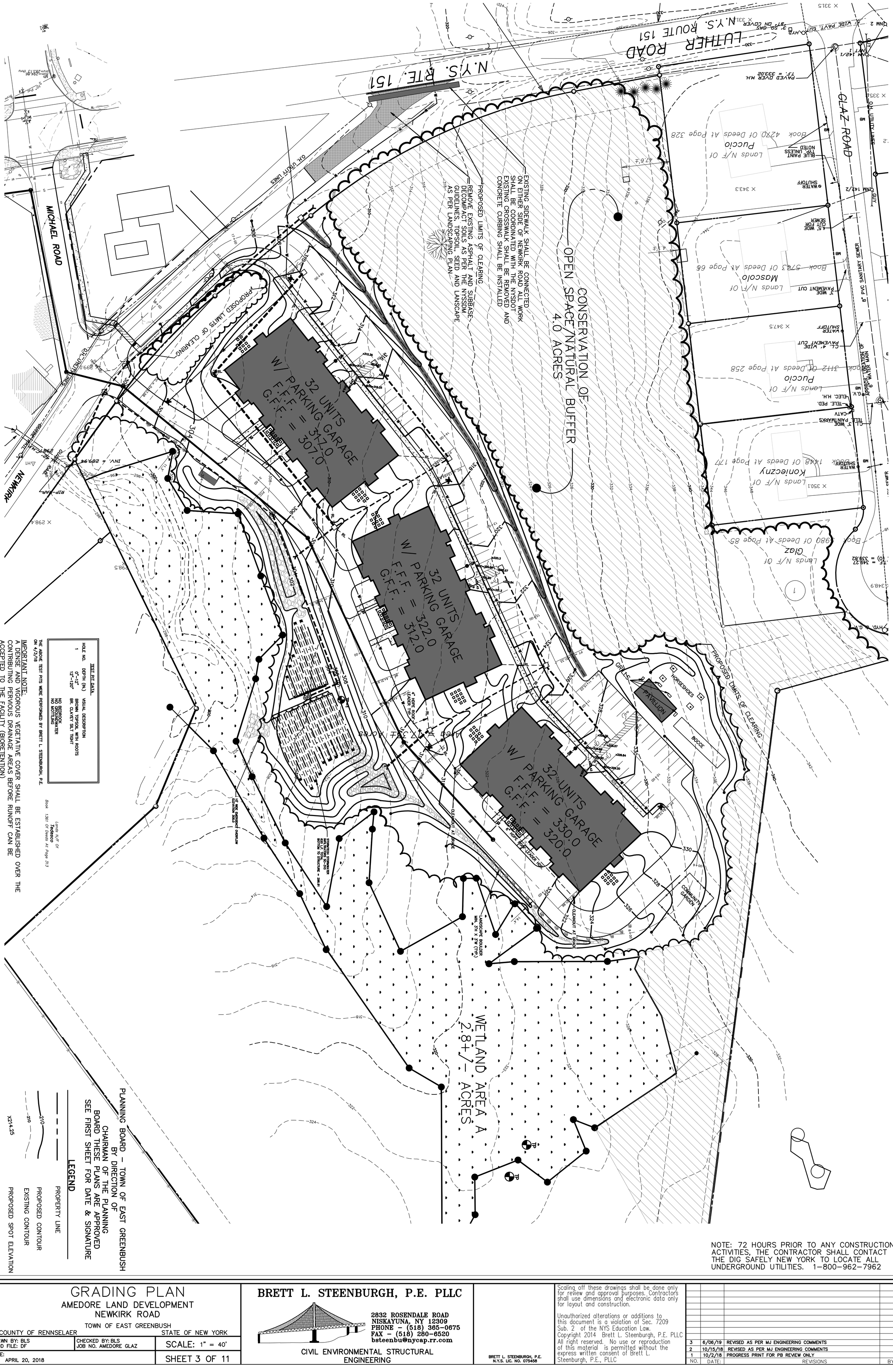
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1	9/11/18	SUBMISSION FOR SKETCH PLAN APPROVAL	



TEST PIT DATA

HOLE NO.	DEPTH (IN.)	VISUAL DESCRIPTION
1	0"–12"	BROWN TOPSOIL WITH ROOTS
	12"–120"	BR. CLAYEY SILT TIGHT
		NO BEDROCK
		NO GROUNDWATER
		NO MOTTLING

THE ABOVE TEST PITS WERE PERFORMED BY BRETT L. STEENBURGH, P.E. ON 4/3/18

IMPORTANT NOTE:
A DENSE AND VIGOROUS VEGETATIVE COVER SHALL BE ESTABLISHED OVER THE CONTRIBUTING PERVIOUS DRAINAGE AREAS BEFORE RUNOFF CAN BE ACCEPTED TO THE FACILITY (BIORETENTION)

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GRADING PLAN

AMEDORE LAND DEVELOPMENT
NEWKIRK ROAD
TOWN OF EAST GREENBUSH
COUNTY OF RENNSELAER STATE OF NEW YORK

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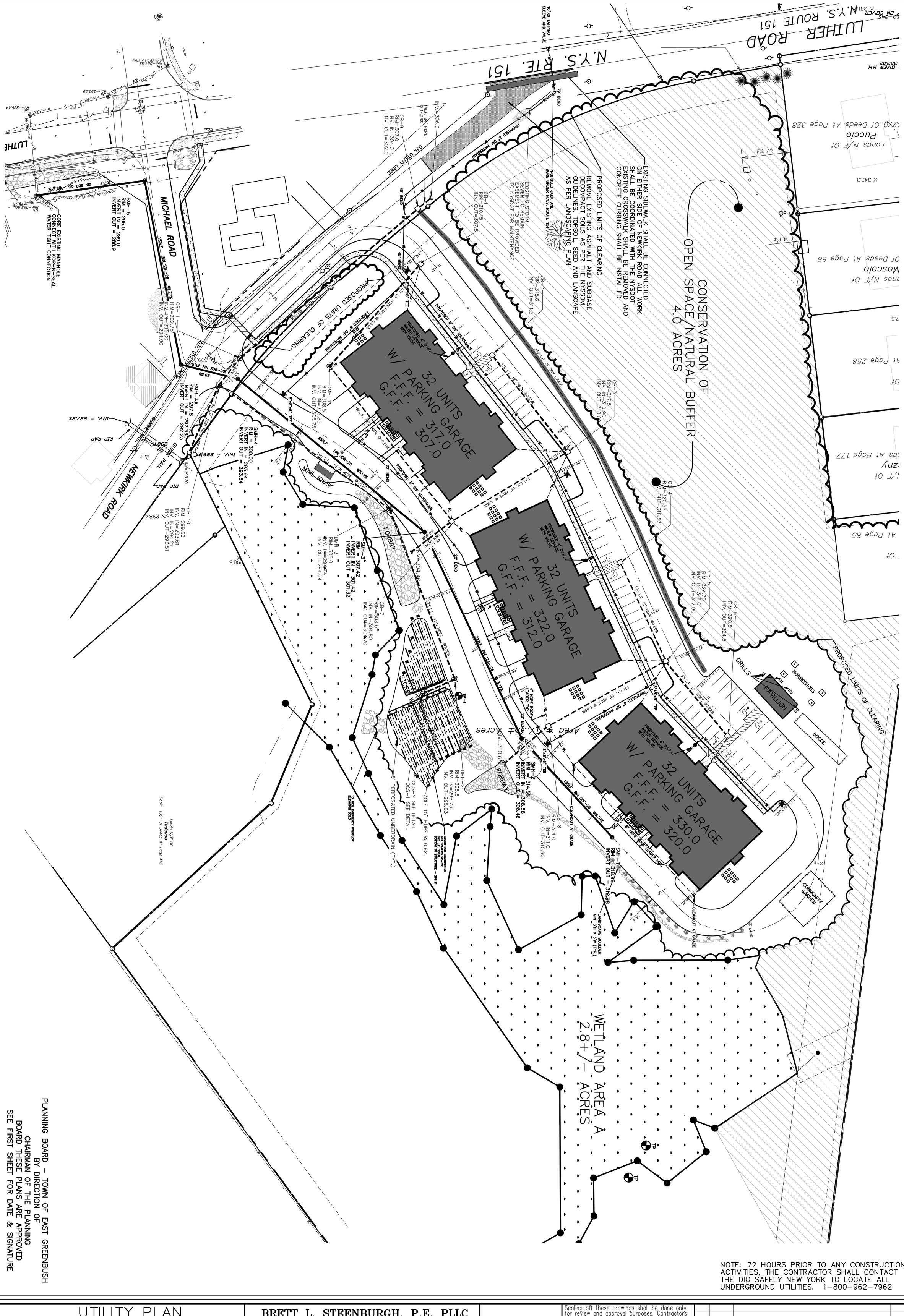
BRETT L. STEENBURGH, P.E. PLLC
CIVIL ENVIRONMENTAL STRUCTURAL ENGINEERING
2832 ROSENDALE ROAD
NISKAYUNA, NY 12309
PHONE - (518) 365-0675
FAX - (518) 280-6520
bsteenbu@nycap.rr.com

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N.Y.S. LIC. NO. 075458

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UTILITY PLAN

AMEDORE LAND DEVELOPMENT
NEWKIRK ROAD
TOWN OF EAST GREENBUSH
COUNTY OF RENNSELAER STATE OF NEW YORK

DRAWN BY: BLS CADD FILE: DF	CHECKED BY: BLS JOB NO. AMEDORE GLAZ	SCALE: 1" = 40'
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2832 ROSENDALE ROAD
NISKAYUNA, NY 12309
PHONE - (518) 365-0675
FAX - (518) 280-6520
bsteenbu@nycap.rr.com

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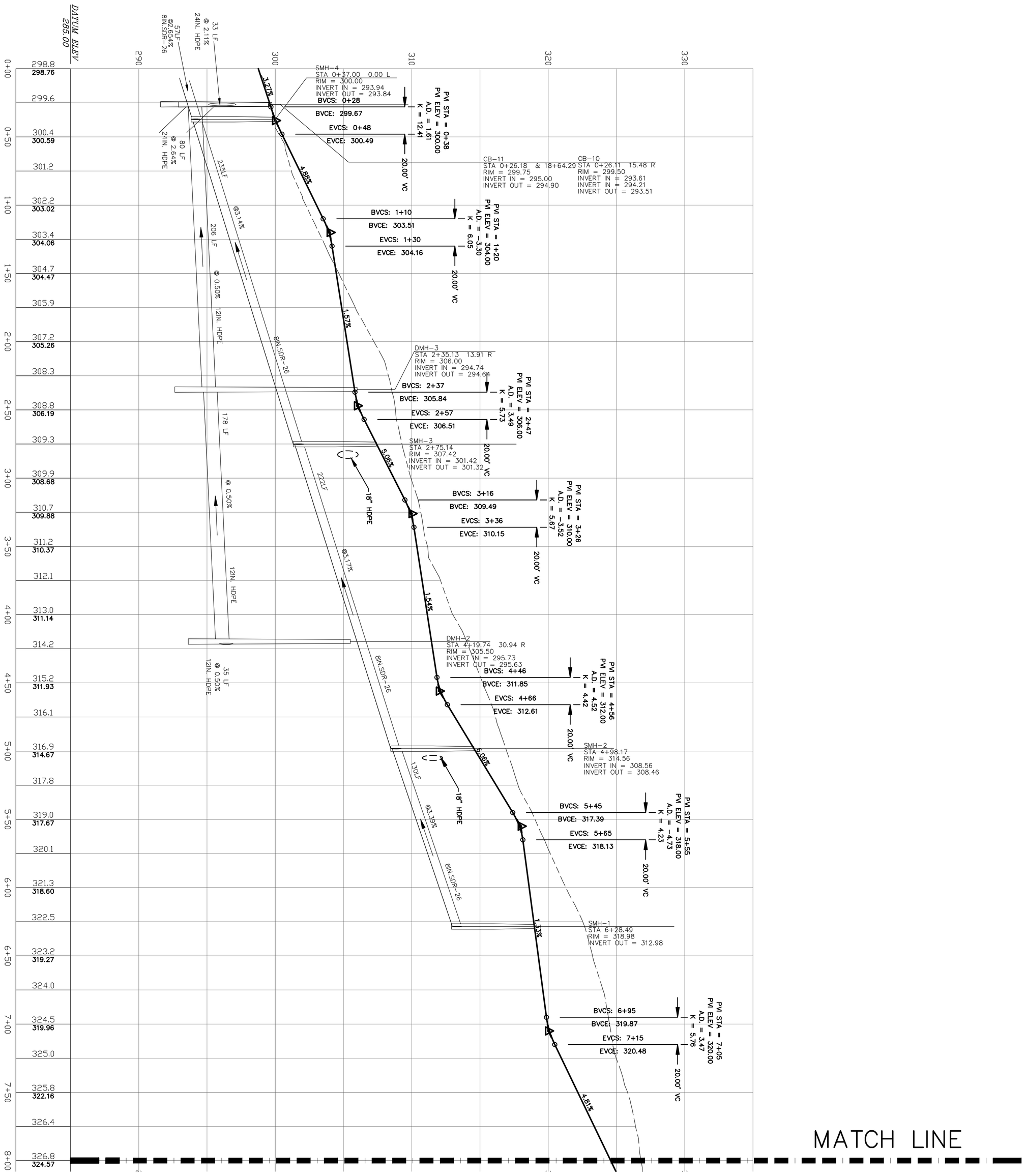
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LOOP ROAD– PROFILE

SCALE HORIZONTAL 1"=40'
VERTICAL 1" = 4'



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PROFILE 1

AMEDORE LAND DEVELOPMENT
NEWKIRK ROAD
TOWN OF EAST GREENBUSH
COUNTY OF RENNSELAER STATE OF NEW YORK

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2832 ROSENDALE ROAD
NISKAYUNA, NY 12309
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FAX – (518) 280–6520
bsteenbu@nycap.rr.com

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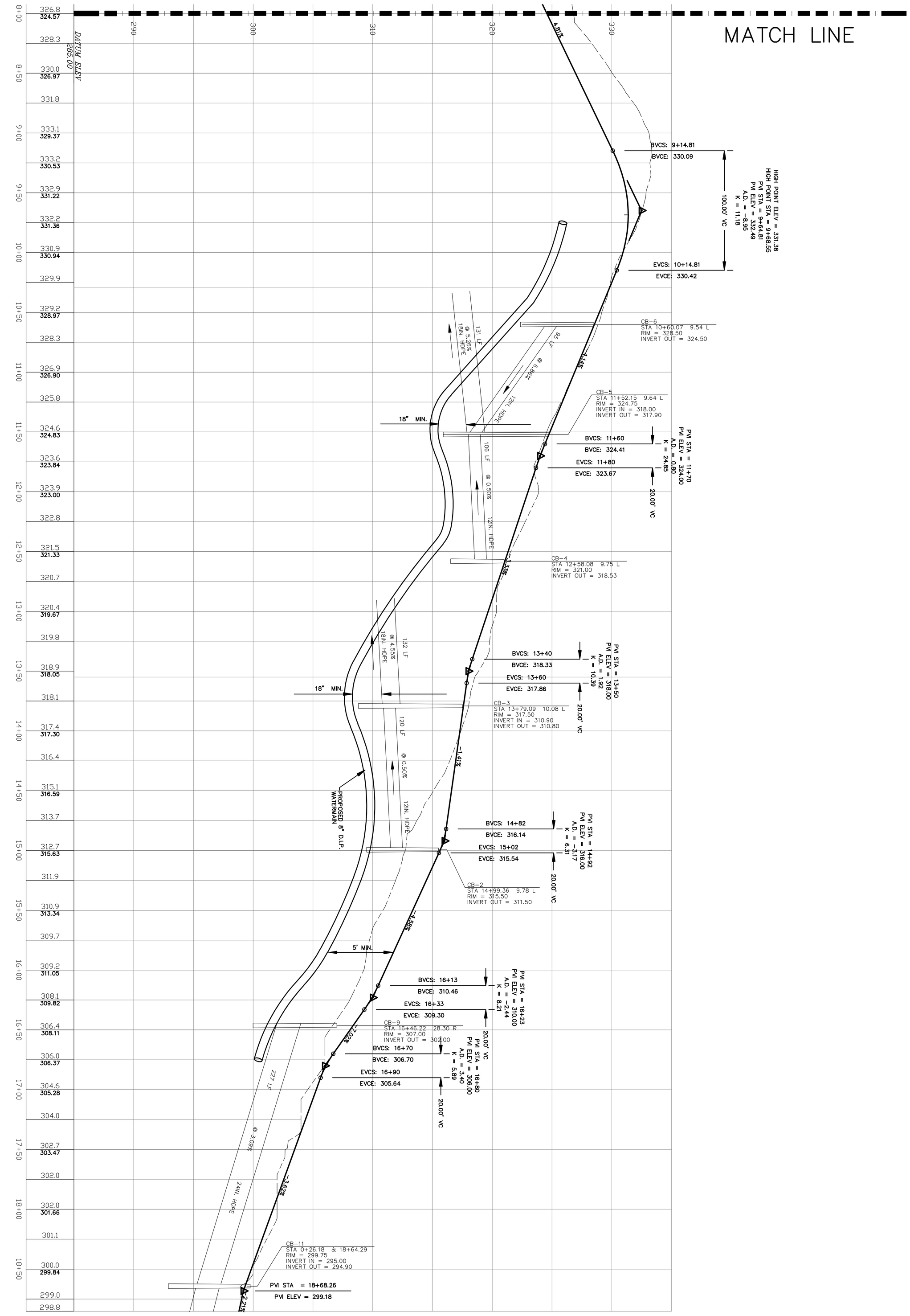
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LOOP ROAD– PROFILE

SCALE HORIZONTAL 1"=40'
VERTICAL 1" = 4'



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PROFILE 2

AMEDORE LAND DEVELOPMENT
NEWKIRK ROAD
TOWN OF EAST GREENBUSH
COUNTY OF RENNSELAER STATE OF NEW YORK

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BRETT L. STEENBURGH, P.E. PLLC

2832 ROSENDALE ROAD
NISKAYUNA, NY 12309
PHONE – (518) 365–0675
FAX – (518) 280–6520
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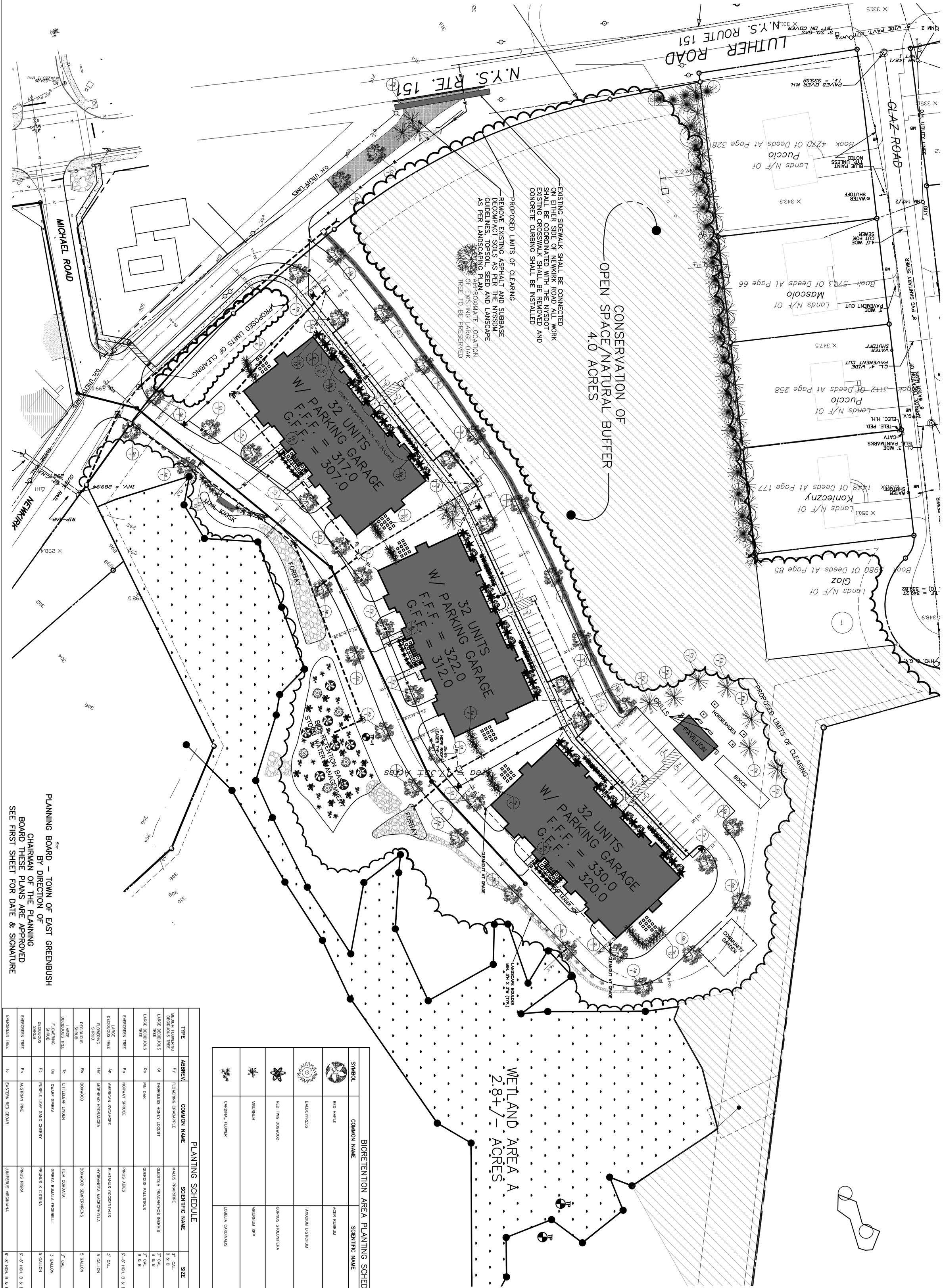
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PLANNING BOARD – TOWN OF EAST GREENBUSH

BY DIRECTION OF

CHAIRMAN OF THE PLANNING

BOARD THESE PLANS ARE APPROVED

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PLANTING SCHEDULE

ABBREV.	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
Py	FLOWERING CRABAPPLE	MALUS PRAIRIFIRE	3" CAL. B & B	4
Gt	THORNLESS HONEY LOCUST	GLEDITSIA TRIACANTHOS INERMIS	3" CAL. B & B	5
Qp	PIN OAK	QUERCUS PALUSTRUS	3" CAL. B & B	17
Pa	NORWAY SPRUCE	PINUS ABIES	6'-8' HGH. B & B	42
Ap	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	3" CAL.	8
Hm	MOPHEAD HYDRANGEA	HYDRANGEA MACROPHYLLA	5 GALLON	36
Bs	BOXWOOD	BOXWOOD SEMPERVIRENS	5 GALLON	102
Tc	LITTLELEAF LINDEN	TILIA CORDATA	3" CAL.	5
Ds	DWARF SPIREA	SPIREA BUMALA FROEBELLI	3 GALLON	24
Pc	PURPLE LEAF SAND CHERRY	PRUNUS X CISTENA	5 GALLON	24
Pn	AUSTRIAN PINE	PINUS NIGRA	6'-8' HGH. B & B	23
To	EASTERN RED CEDAR	JUNIPERUS VIRGINIANA	6'-8' HGH. B & B	40

BIORETENTION AREA PLANTING SCHEDULE

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE
	RED MAPLE	ACER RUBRUM	1" CAL.
	BALDCYPRESS	TAXODIUM DISTICHUM	1" CAL
	RED TWIG DOGWOOD	CORNUS STOLONIFERA	BAREROOT
	VIBURNUM	VIBURNUM SPP	BAREROOT
	CARDINAL FLOWER	LOBELIA CARDINALIS	BAREROOT

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LANDSCAPING PLAN

AMEDORE LAND DEVELOPMENT

NEWKIRK ROAD

TOWN OF EAST GREENBUSH

COUNTY OF RENNSELAER STATE OF NEW YORK

DRAWN BY: BLS CADD FILE: DF	CHECKED BY: BLS JOB NO. AMEDORE GLAZ
DATE: APRIL 20, 2018	SCALE: 1" = 40' SHEET 7 OF 11

BRETT L. STEENBURGH, P.E. PLLC

2832 ROSENDALE ROAD
NISKAYUNA, NY 12309
PHONE - (518) 365-0675
FAX - (518) 280-6520
bsteenbu@nycap.rr.com

CIVIL ENVIRONMENTAL STRUCTURAL ENGINEERING

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N.Y.S. LIC. NO. 075458

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EROSION AND SEDIMENT CONTROL PLAN
AMEDORE LAND DEVELOPMENT
NEWKIRK ROAD
TOWN OF EAST GREENBUSH
COUNTY OF RENNSELAER STATE OF NEW YORK

DRAWN BY: BLS | CHECKED BY: BLS
CADD FILE: DF | JOB NO. AMEDORE GLAZ
SCALE: 1" = 40'
DATE: APRIL 20, 2018
SHEET 8 OF 11

BRETT L. STEENBURGH, P.E. PLLC
2832 ROSENDALE ROAD
NISKAYUNA, NY 12309
PHONE – (518) 365-0675
FAX – (518) 280-6520
bsteenburgh@nycap.rr.com
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PLANNING BOARD – TOWN OF EAST GREENBUSH
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SEE FIRST SHEET FOR DATE & SIGNATURE

LEGEND
- PROPERTY LINE
- 210 PROPOSED CONTOUR
- 210 EXISTING CONTOUR
- x214.25 PROPOSED SPOT ELEVATION

SEDIMENT BASIN STAGING NOTE:
1. THE AREA OF THE BIO-RETENTION BASIN SHALL BE USED AS A TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION ACTIVITIES. A MINIMUM OF 2 FOOT OF IN SITUE SOIL SHALL REMAIN AT THE BOTTOM OF THE BASIN
2. UPON STABILIZATION OF THE SITE (SEE THE IMPORTANT NOTE BELOW), THE FORBAYS SHALL BE CONSTRUCTED WITH AN EMERGENCY OVERFLOW DIRECTLY TO THE WETLAND. THE CONNECTION TO THE BIO-RETENTION BASIN WILL NOT BE CONSTRUCTED
3. THE BIO-RETENTION BASIN SHALL BE EXCAVATED AND CONSTRUCTED. ALL PLANTINGS AND MULCH SHALL BE INSTALLED PRIOR TO CONNECTING THE FORBAYS TO THE BASIN. ONCE THE FORBAYS ARE CONNECTED TO THE BIO-RETENTION BASIN THE FORBAY OVERFLOW TO THE WETLAND SHALL BE CLOSED

IMPORTANT NOTE:
A DENSE AND VIGOROUS VEGETATIVE COVER SHALL BE ESTABLISHED OVER THE CONTRIBUTING PERVIOUS DRAINAGE AREAS BEFORE RUNOFF CAN BE ACCEPTED TO THE FACILITY (BIORETENTION)

Area = 17.35± Acres

CONSERVATION OF OPEN SPACE/NATURAL BUFFER 4.0 ACRES

WETLAND AREA A 2.8+/- ACRES

BIO-RETENTION BASIN

DIVERSION DITCH/SWALE

1050 L.F. OF SILT FENCE

342 L.F. SILT FENCE

TEMPORARY 12" CULVERT

PROPOSED LIMITS OF CLEARING

Lands N/F Of
Glaz
Book 5980 Of Deeds At Page 85

Lands N/F Of
Konieczny
Book 1448 Of Deeds At Page 177

Lands N/F Of
Puccio
Book 3112 Of Deeds At Page 258

Lands N/F Of
Mascolo
Book 5743 Of Deeds At Page 66

Lands N/F Of
Puccio
Book 4270 Of Deeds At Page 328

NEWKIRK

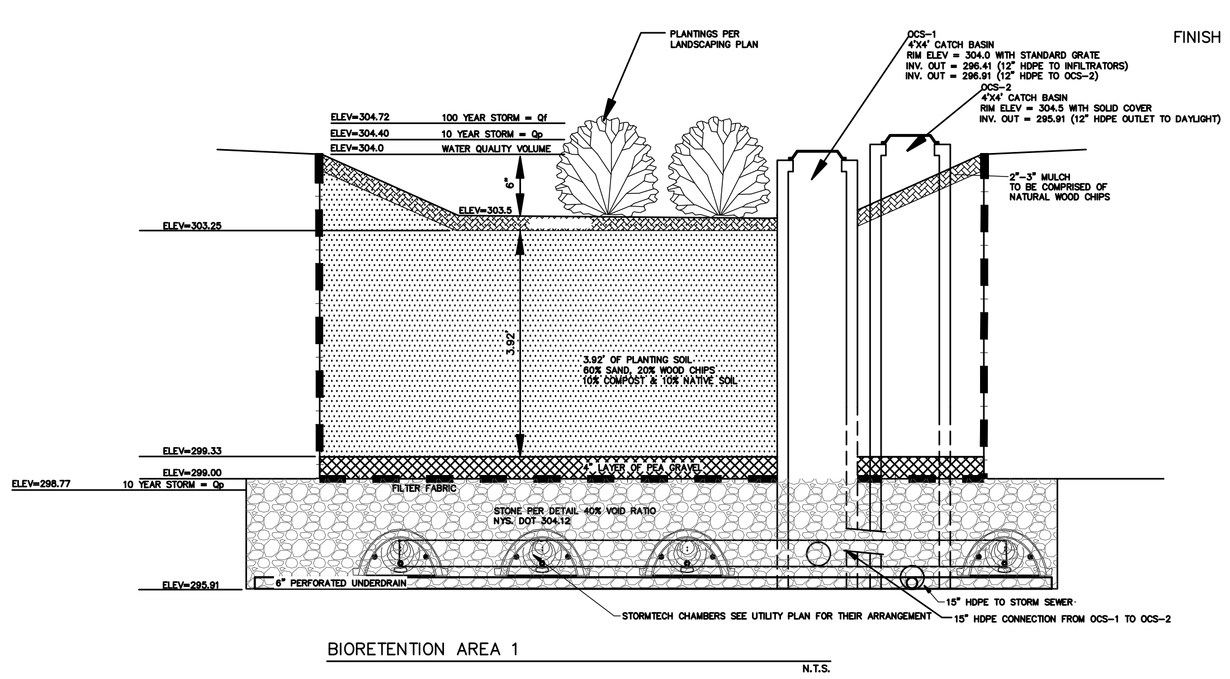
MICHAEL ROAD

GLAZ ROAD

LUTHER ROAD

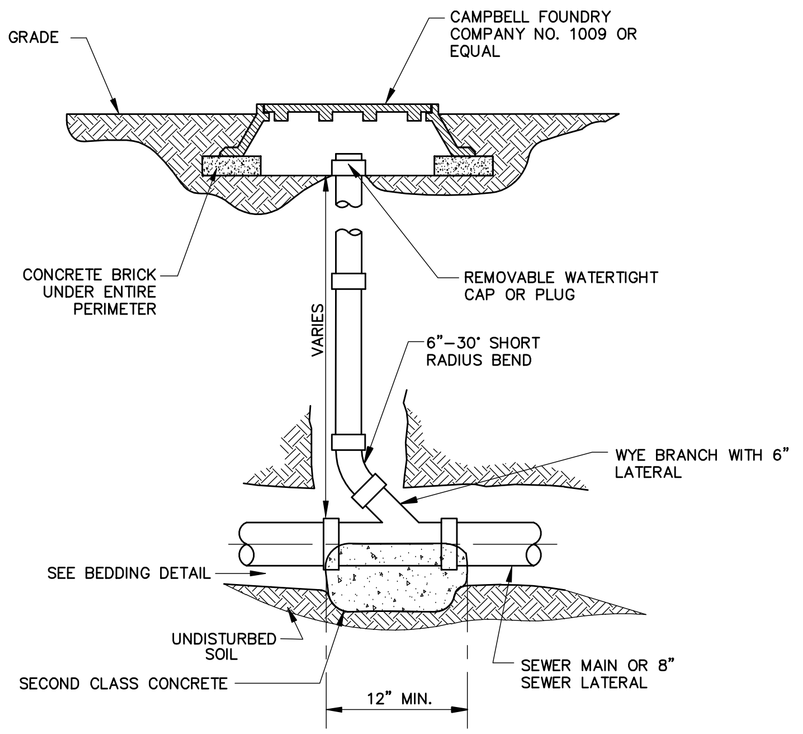
N.Y.S. ROUTE 151

N.Y.S. RTE. 151

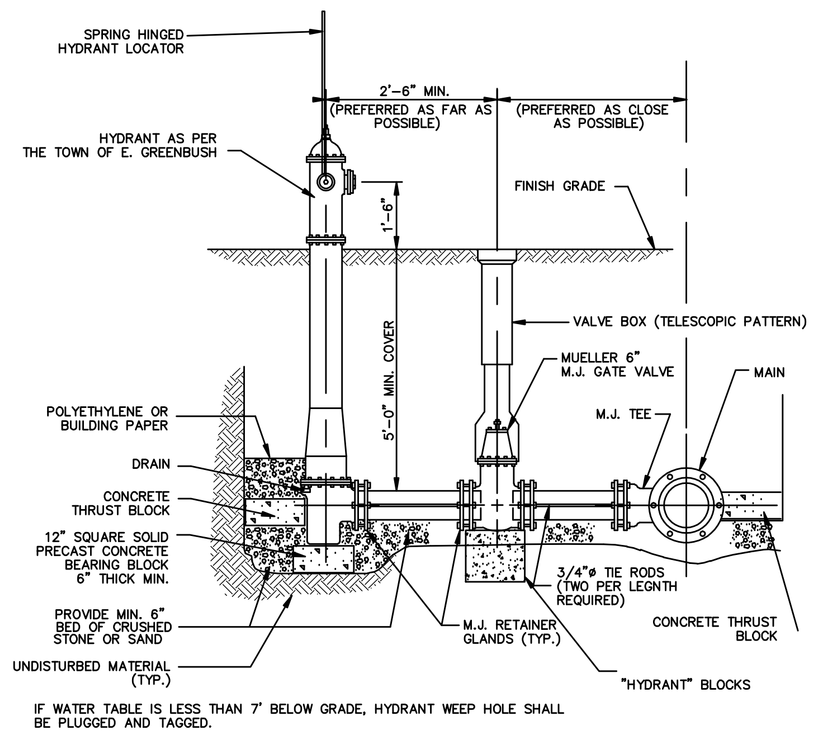


BIORETENTION AREA 1

N.T.S.



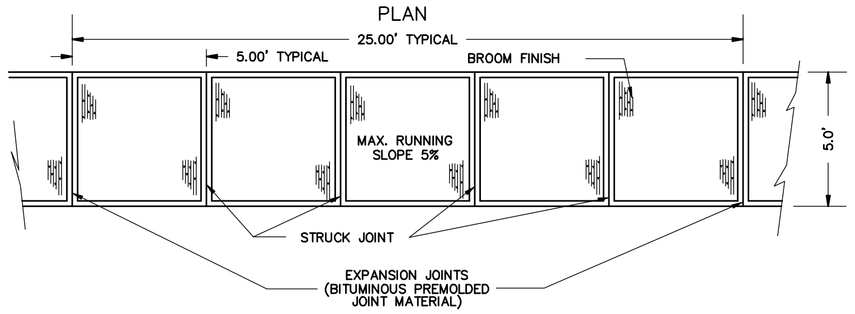
CLEANOUT DETAIL
(NOT TO SCALE)

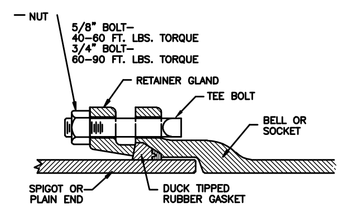


IF WATER TABLE IS LESS THAN 7' BELOW GRADE, HYDRANT WEEP HOLE SHALL BE PLUGGED AND TAGGED.

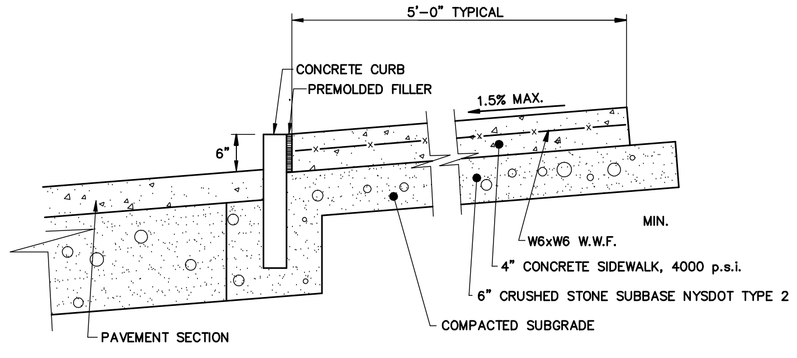
HYDRANT DETAIL
(NOT TO SCALE)

NOTE: 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONTACT THE DIG SAFELY NEW YORK TO LOCATE ALL UNDERGROUND UTILITIES. 1-800-962-7962



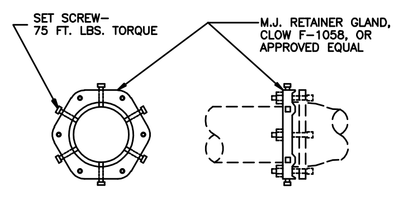


MECHANICAL JOINT (M.J.)
N.T.S.

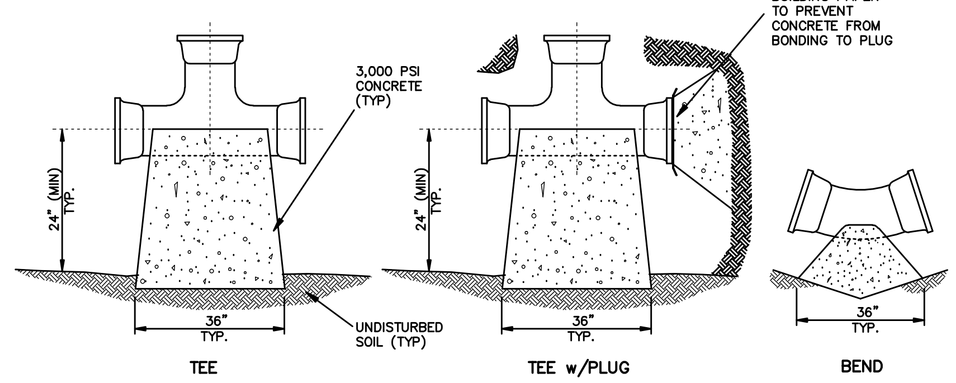


NOTES:
1. SEE SIDEWALK JOINTS DETAIL FOR JOINT SIZE AND SPACING
2. EXPOSED CONCRETE SURFACE TO HAVE LIGHT BROOM FINISH

CONCRETE SIDEWALK DETAIL
N.T.S.



RETAINER GLAND
N.T.S.



TYPICAL HORIZONTAL THRUST BLOCK DETAIL
N.T.S.

TABLE 1

SAFE BEARING LOADS OF SOILS & MULTIPLICATION FACTORS FOR MODIFICATION OF THRUST BLOCK AREAS (TABLE 2)

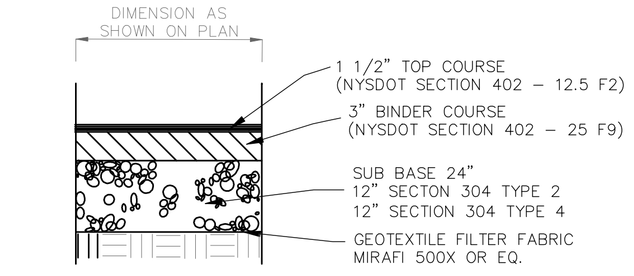
SOIL	SOIL BEARING CAPACITY (LB/FT²)	FACTOR
MUCK PEAT	0	–
SOFT CLAY	300	4.00
SAND	1000	2.00
SAND & GRAVEL	1500	1.33
SAND & GRAVEL w/CLAY	2000	1.00
SHALE	5000	0.40

TABLE 2

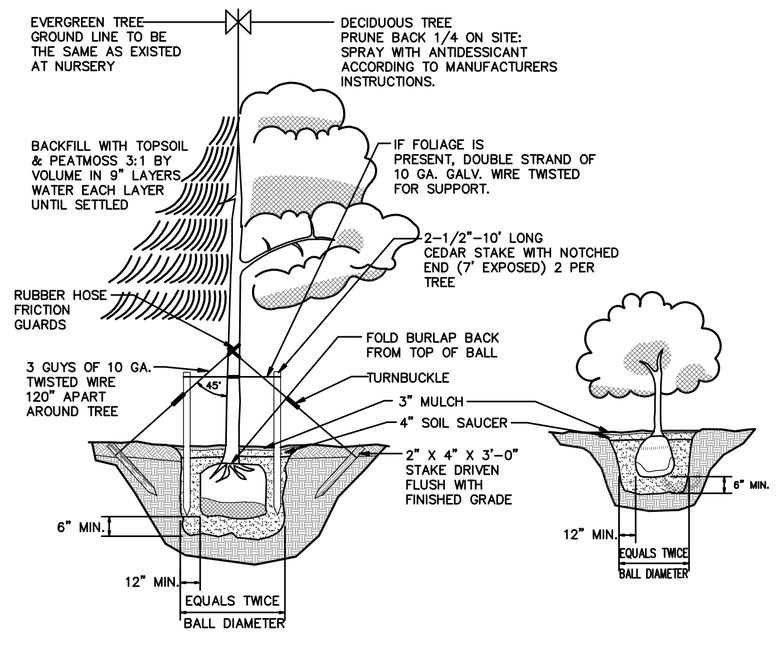
BEARING AREAS (FT²) FOR CONCRETE THRUST BLOCKS

PIPE SIZE	TEE	90° BEND	45° BEND	22.5° BEND	
200 P.S.I.G. INTERNAL PRESSURE					
3" & 4"	1	1	1	1	
6"	2	2	1	1	
8"	3	3	2	1	
10"	6	8	3	2	
12"	6	8	4	2	
14"	11	11	6	3	
16"	14	14	8	4	
18"	18"	18	10	5	
20"	22	22	12	7	
24"	32	32	17	9	

NOTE: BEARING AREAS SHOWN IN TABLE 2 SHALL BE MULTIPLIED BY FACTORS NOTED IN TABLE 1 TO ESTABLISH REQUIRED BEARING AREAS FOR SOIL CONDITIONS.



ASPHALT PAVEMENT SECTION
(NOT TO SCALE)



TYPICAL PLANTING DETAIL
N.T.S.

SEEDING MIX

PRIMARY SEED MIX: 130 lbs/acre			
AMT. BY WEIGHT	SPECIES OR VARIETY	PURITY	MIN. % GERM.
55%	KENTUCKY BLUE GRASS BLEND	95%	80%
25%	RED FESCUE	97%	85%
20%	PERENNIAL RYE	98%	90%
100%			
TEMPORARY COVER SEED MIX: 30 lbs/acre			
AMT. BY WEIGHT	SPECIES OR VARIETY	PURITY	MIN. % GERM.
90%	ANNUAL RYE GRASS	98%	90%
10%	ORGANIC MATERIAL	–	–
100%			

SITE PREPERATION:
1. SEEDBED PREPERATION – SCARIFY IF COMPACTED. REMOVE DEBRIS AND OBSTICLES SUCH AS ROCKS AND STUMPS.
2. SOIL AMENDMENTS:
   A. LIME TO A PH OF 6.0
   B. FERTILIZE WITH 600LBS OF 5-10-10 OR EQUIV. PER ACRE (14LBS/1000 S.F.)
3. POST SEEDING FERTILIZATION AND WATERING IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTED BY THE OWNER AS DESCRIBED IN THE PROJECT SPECIFICATIONS

PLANNING BOARD – TOWN OF EAST GREENBUSH
BY DIRECTION OF
CHAIRMAN OF THE PLANNING
BOARD THESE PLANS ARE APPROVED
SEE FIRST SHEET FOR DATE & SIGNATURE

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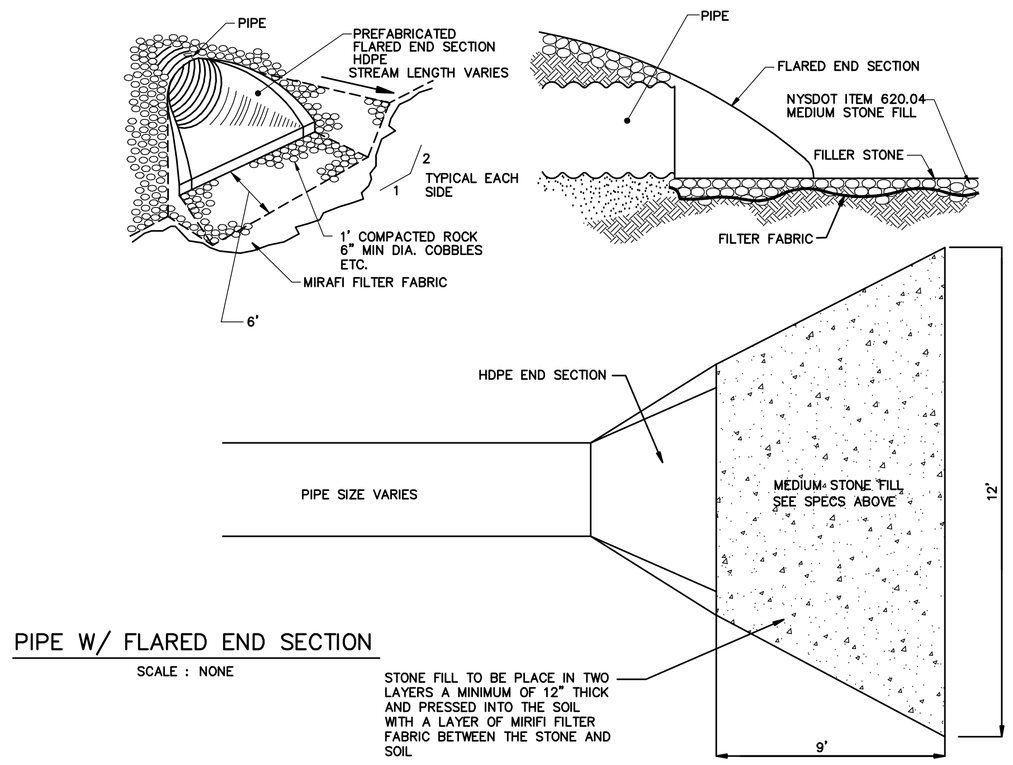
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BRETT L. STEENBURGH, P.E.
N.Y.S. LIC. NO. 075458

BRETT L. STEENBURGH, P.E. PLLC
2832 ROSENDALE ROAD
NISKAYUNA, NY 12309
PHONE – (518) 385-0875
FAX – (518) 280-6520
bsteenbu@nycap.rr.com
CIVIL ENVIRONMENTAL STRUCTURAL ENGINEERING

DETAILS
AMEDORE LAND DEVELOPMENT
NEWKIRK ROAD
TOWN OF EAST GREENBUSH
COUNTY OF RENNSELAER STATE OF NEW YORK

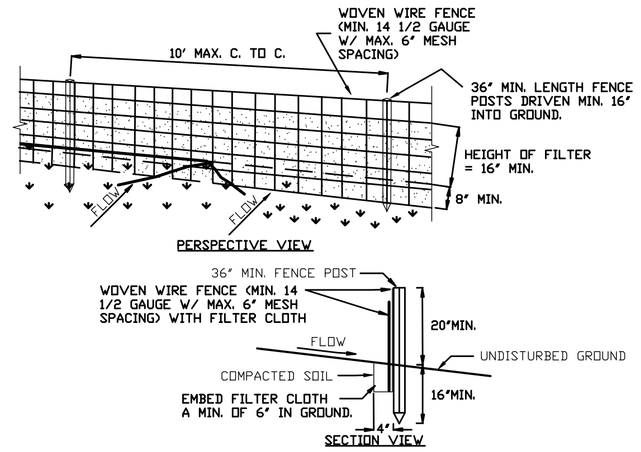
DRAWN BY: BLS
CHECKED BY: BLS
JOB NO.: AMEDORE GLAZ
SCALE: 1" = 40'
DATE: APRIL 20, 2018
SHEET 9 OF 11



PIPE W/ FLARED END SECTION

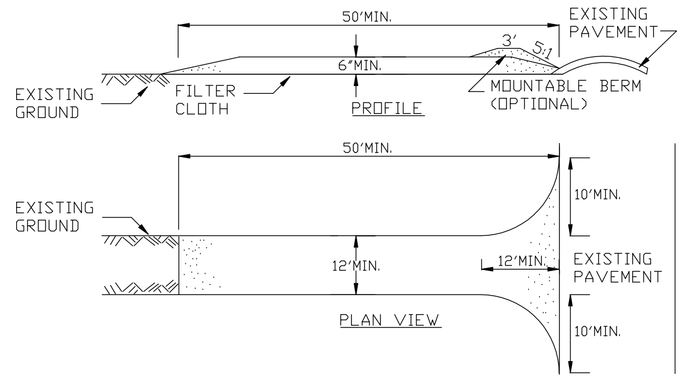
SCALE : NONE

STONE FILL TO BE PLACE IN TWO LAYERS A MINIMUM OF 12" THICK AND PRESSED INTO THE SOIL WITH A LAYER OF MIRFI FILTER FABRIC BETWEEN THE STONE AND SOIL



CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

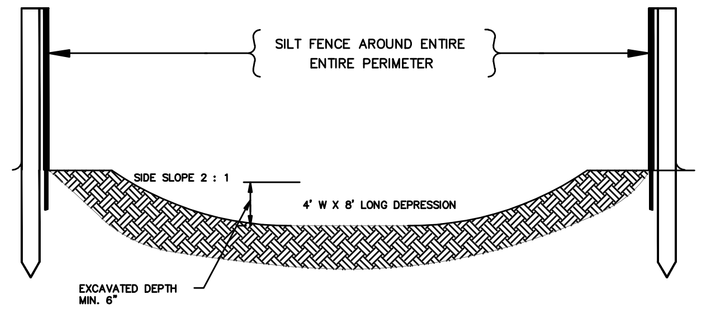


CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CON-STRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

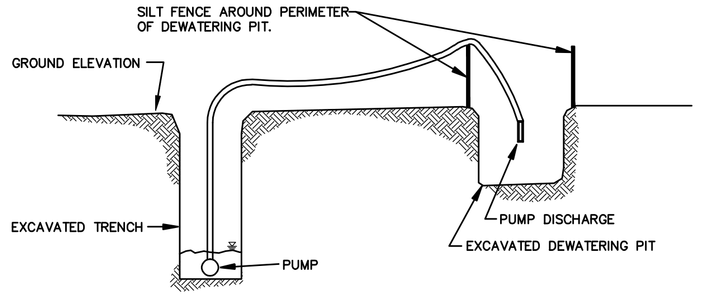
STABILIZED CONSTRUCTION ENTRANCE DETAIL

(NOT TO SCALE)



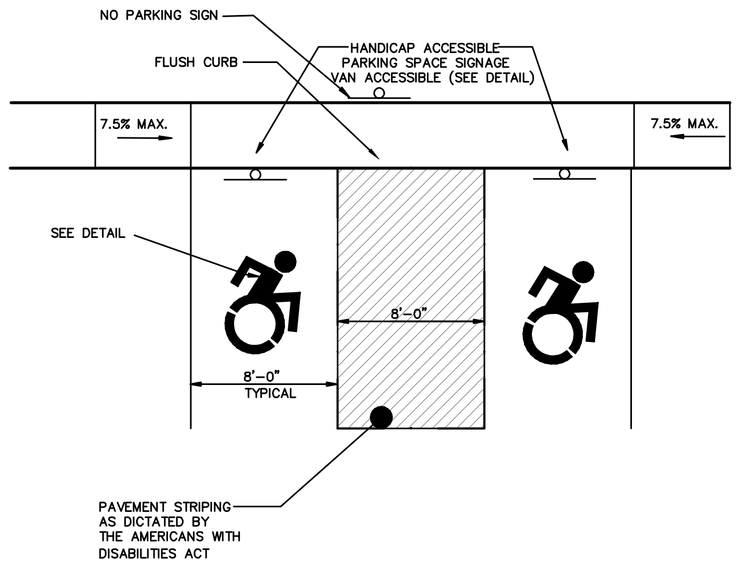
EXCAVATED CONCRETE WASHOUT AREA

SCALE: N.T.S.



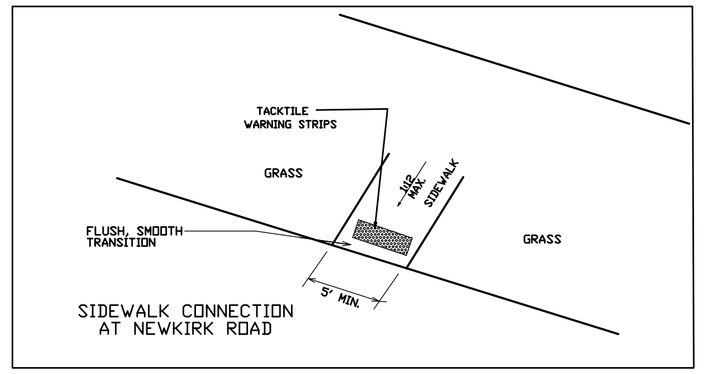
TYPICAL DEWATERING DETAIL

N.T.S.

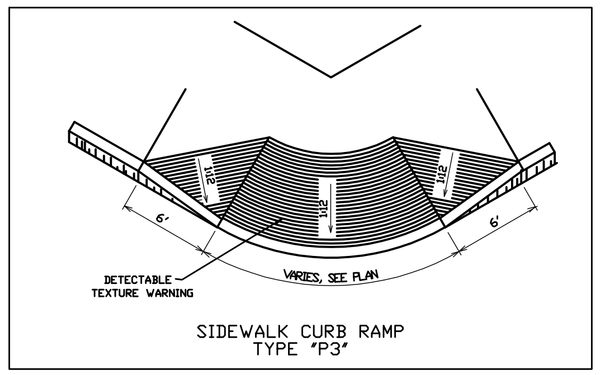


TYPICAL HANDICAP PARKING LAYOUT

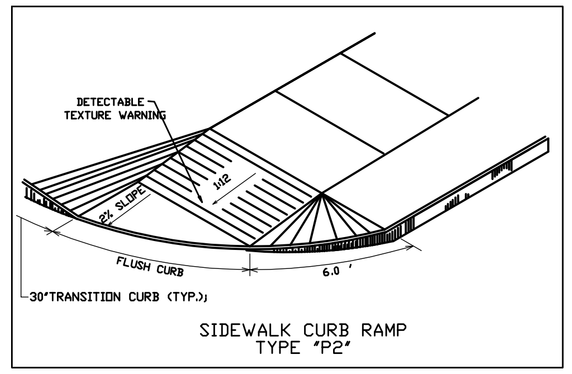
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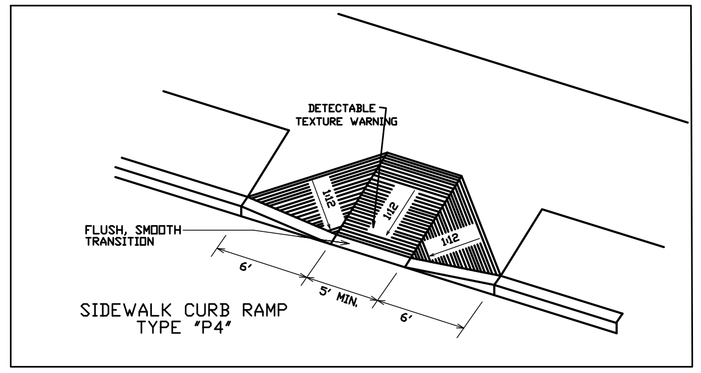
SIDEWALK CONNECTION AT NEWKIRK ROAD



SIDEWALK CURB RAMP TYPE "P3"



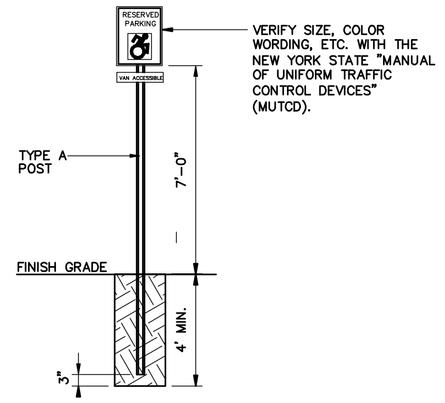
SIDEWALK CURB RAMP TYPE "P2"



SIDEWALK CURB RAMP TYPE "P4"

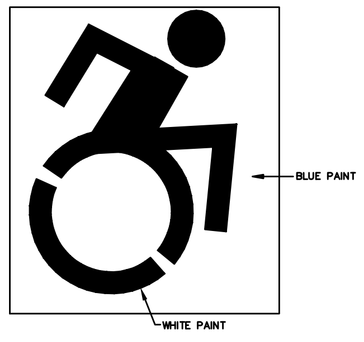
HANDICAP RAMP DETAILS

N.T.S



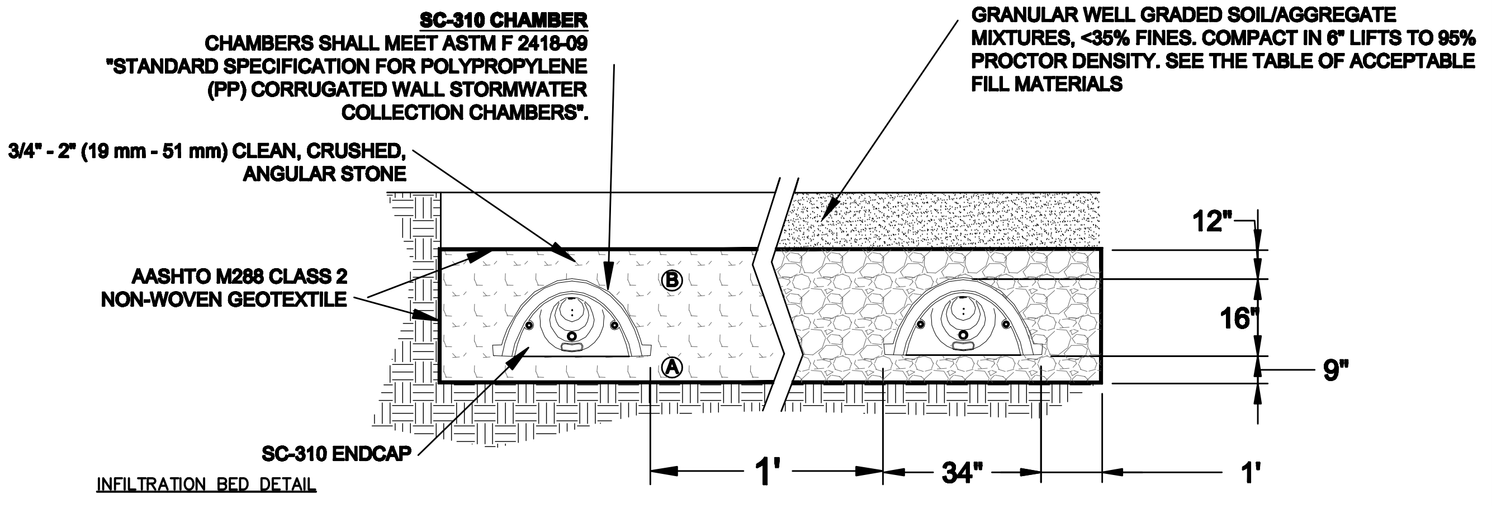
ACCESSIBLE PARKING SIGN

(NOT TO SCALE)



HANDICAP PARKING SPACE PARKING DETAIL

(NOT TO SCALE)



INFILTRATION BED DETAIL

ACCEPTABLE FILL MATERIALS: SC-310 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO M43 DESIGNATION[1]	COMPACTION/DENSITY REQUIREMENT
⑥ FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISH GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THIS LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEERS PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER ENGINEERS PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
⑤ FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBERS. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THIS LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES. MOST PAVEMENT SUB-BASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	A-1, A-2, A-3, M, ML, SC, GW, GP, SW, SP, SM, SP	BEGIN COMPACTION AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) LIFTS TO A MIN. 95% STANDARD PROCTOR DENSITY[2]. ALL LOW-GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 LBS (53 kN). VIBRATORY FORCES NOT TO EXCEED 10,000 lbs (44 kN).
④ EMBEDMENT STONE SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (F) LAYER TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4 - 2 INCH (19 - 51 mm)	3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
③ FOUNDATION STONE BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4 - 2 INCH (19 - 51 mm)	3, 357, 4, 467, 5, 56, 57	PLACE GEOGRAT OR ROLL TO ACHIEVE A 95% STANDARD PROCTOR DENSITY[2].

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. AS AN ALTERNATE TO PROCTOR TESTING AND FIELD DENSITY MEASUREMENTS ON OPEN GRADED STONES, STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'D' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH AN APPROPRIATE COMPACTOR.

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CHAIRMAN OF THE PLANNING
BOARD THESE PLANS ARE APPROVED
SEE FIRST SHEET FOR DATE & SIGNATURE

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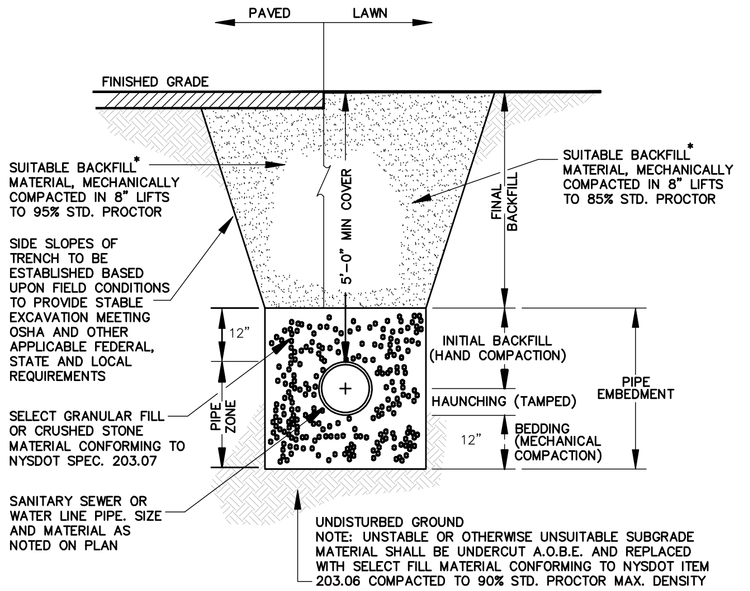
BRETT L. STEENBURGH, P.E.
N.Y.S. LIC. NO. 075458

BRETT L. STEENBURGH, P.E. PLLC
2832 ROSENDALE ROAD
NISKAYUNA, NY 12309
PHONE - (518) 385-0675
FAX - (518) 280-6520
bsteenbu@nycap.rr.com
CIVIL ENVIRONMENTAL STRUCTURAL ENGINEERING

DETAILS

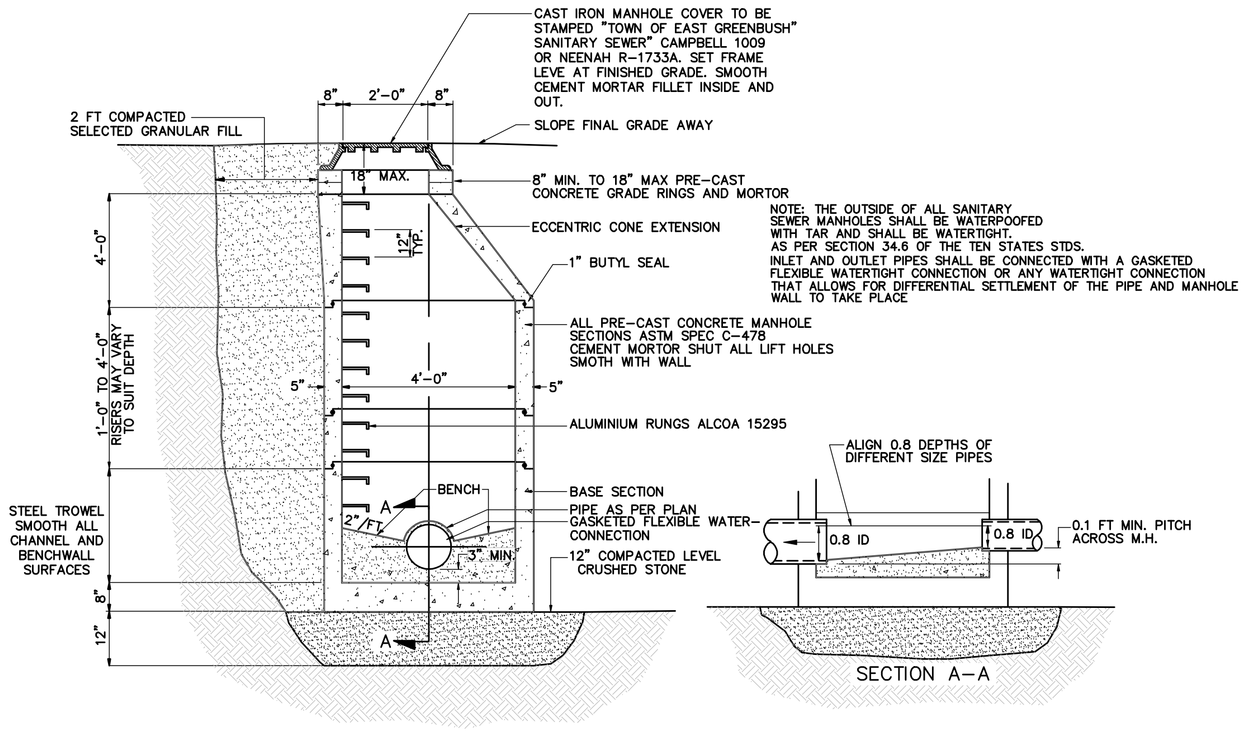
AMEDORE LAND DEVELOPMENT
NEWKIRK ROAD
TOWN OF EAST GREENBUSH
COUNTY OF RENSSELAER STATE OF NEW YORK

DRAWN BY: BLS
CHECKED BY: BLS
JOB NO: AMEDORE GLAZ
SCALE: 1" = 40'
DATE: APRIL 20, 2018
SHEET 10 OF 11

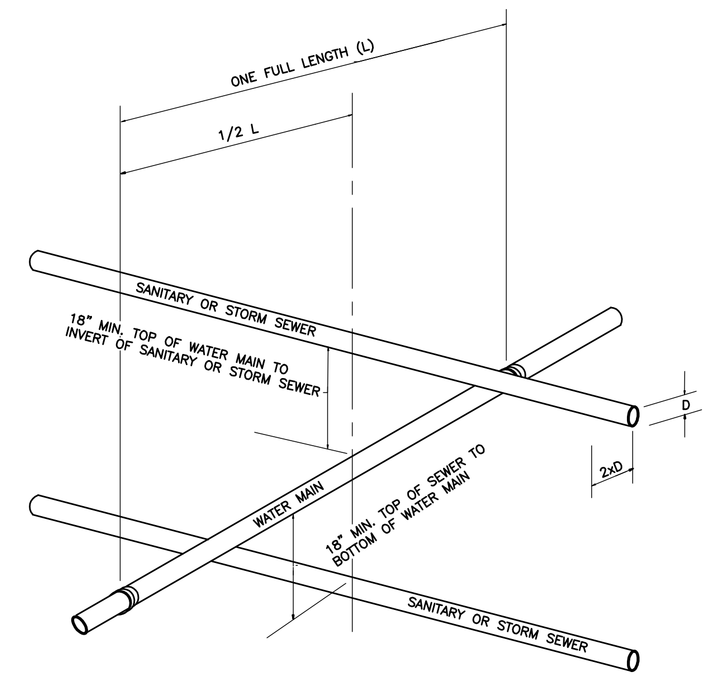


SANITARY SEWER & WATER LINE
TRENCH AND BACKFILL DETAIL
(NOT TO SCALE)

*
NOTE
SUITABLE BACKFILL MATERIAL FOR FINAL BACKFILL SHALL BE FREE OF DEBRIS, FOREIGN MATERIAL, LARGE STONES, TREES, ORGANIC MATTER AND OTHER DELETERIOUS MATER AND CONFORMS WITH ASTM D 2487 SOIL GROUPS GW, GP, GM, SM, SW, AND SP.

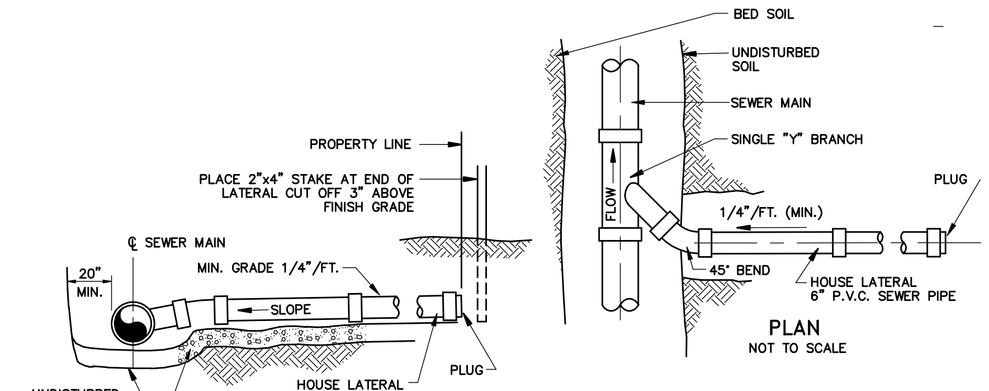


TYPICAL PRE-CAST CONCRETE MANHOLE
(NOT TO SCALE)



VERTICAL PIPE CROSSING DETAIL
(NOT TO SCALE)

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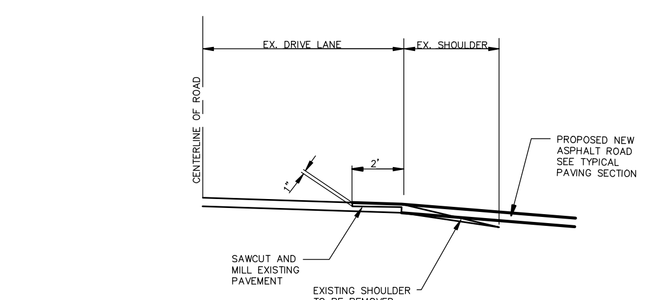
NOTES
1. THE SEWER AND WATER LINES HAVE MINIMUM INVERT SEPERATIONS OF 10 FEET HORIZONTAL AND 18 INCHES VERTICAL.
2. ALL CROSSINGS OF THE SEWER AND STORM WATER SYSTEM THAT HAVE A VERTICALSEPERATION OF LESS THAN 18 INCHES WILL HAVE THE LOWER PIPE PLACED IN A SLEEVE AND BACKFILLED WITH A HIGH SLUMP PORTLAND CEMENT CONCRETE.

STERILIZATION AND TESTING
(RENSSELAER COUNTY HEALTH DEPARTMENT TO BE NOTIFIED AND HAVE REPRESENTATIVE PRESENT DURING CHLORINATION)

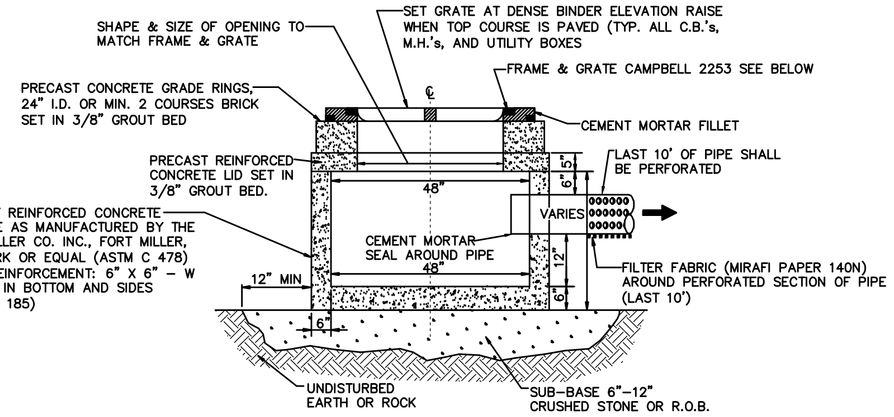
CHLORINATION
MAINS TO BE FLUSHED AND CHLORINATED, A CHLORINE RESIDUAL OF NOT LESS THAN 50 ppM SHALL BE MAINTAINED FOR 24 HRS.

PRESSURE TESTING
MAINS TO BE TESTED AT 200PSI PRESSURE AT WHICH PRESSURE IT SHALL NOT LOSE MORE THAN 1.3 GALLONS OF WATER PER 1000 FEET.

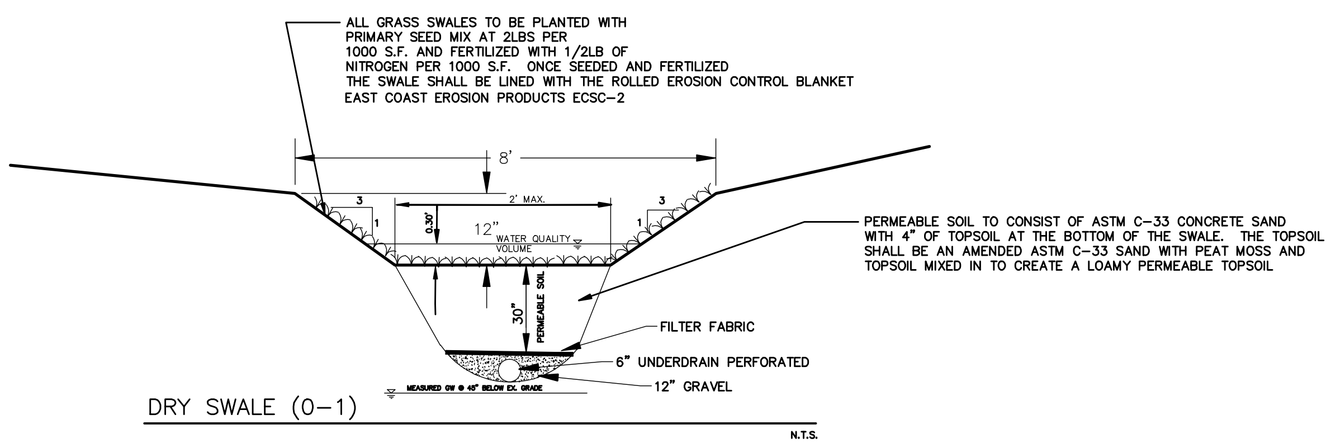
SEWER HOUSE CONNECTION



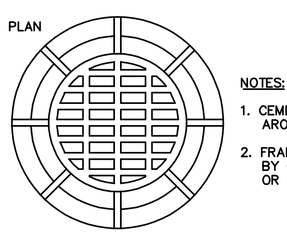
PAVEMENT KEY DETAIL
N.T.S.



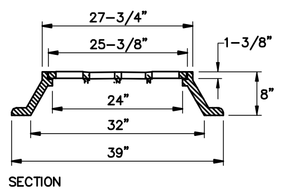
STANDARD ROUND PRECAST CONCRETE CATCH BASIN
(NOT TO SCALE)



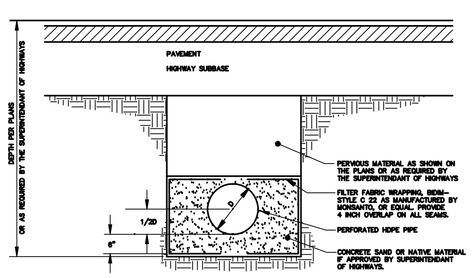
DRY SWALE (0-1)
N.T.S.



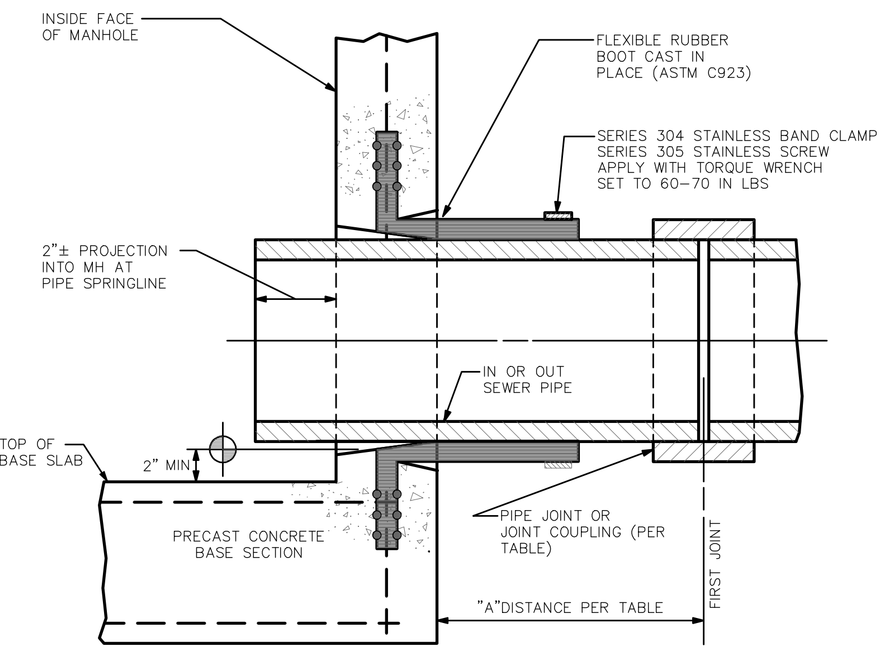
NOTES:
1. CEMENT MORTAR ALL AROUND FRAME.
2. FRAMES AND COVERS BY CAMPBELL FOUNDARY OR APPROVED EQUAL.



INLET STRUCTURE
FRAME & COVER
(NOT TO SCALE)



STANDARD TRENCH DETAIL
FOR UNDERDRAIN PIPE
NOT TO SCALE



FLEXIBLE JOINT REQUIREMENTS

SEWER PIPE TYPE	FLEXIBLE JOINT TYPE IN & OUT	"A"DISTANCE (FEET)
NEW CONSTRUCTION	STD RUBBER GASKET PIPE JOINT ONLY	1 PIPE LENGTH MAX
INSERTION MANHOLE	FEXIBLE TRANSITION COUPLING AOBE	3' MAX

6 SS2 PRECAST HOLE FLEXIBLE PIPE-TO-MH-JOINT
SCALE: NONE
CROSS REFERENCE: 1/SS1

PLANNING BOARD - TOWN OF EAST GREENBUSH
BY DIRECTION OF
CHAIRMAN OF THE PLANNING
BOARD THESE PLANS ARE APPROVED
SEE FIRST SHEET FOR DATE & SIGNATURE

NO.	DATE:	REVISIONS	BY:
3	6/06/19	REVISED AS PER MJ ENGINEERING COMMENTS	
2	10/15/18	REVISED AS PER MJ ENGINEERING COMMENTS	
1	5/04/18	PROGRESS PRINT FOR PB REVIEW	

Scaling off these drawings shall be done only for review and approval purposes. Contractors shall use dimensions on these drawings for layout and construction.

Unauthorized alterations or additions to this document is a violation of Sec. 7209 Sub. 2 of the NYS Education Law.
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BRETT L. STEENBURGH, P.E.
N.Y.S. LIC. NO. 075458

BRETT L. STEENBURGH, P.E. PLLC
2832 ROSENDALE ROAD
NISKAYUNA, NY 12309
PHONE - (518) 385-0675
FAX - (518) 280-6520
bsteenbu@nycap.rr.com
CIVIL ENVIRONMENTAL STRUCTURAL ENGINEERING

DETAILS
AMEDORE LAND DEVELOPMENT
NEWKIRK ROAD
TOWN OF EAST GREENBUSH
COUNTY OF RENNSELAER STATE OF NEW YORK

DRAWN BY: BLS
CHECKED BY: BLS
CAD FILE: DP5
JOB NO: AMEDORE GLAZ
DATE: APRIL 20, 2018
SCALE: 1" = 40'
SHEET 11 OF 11