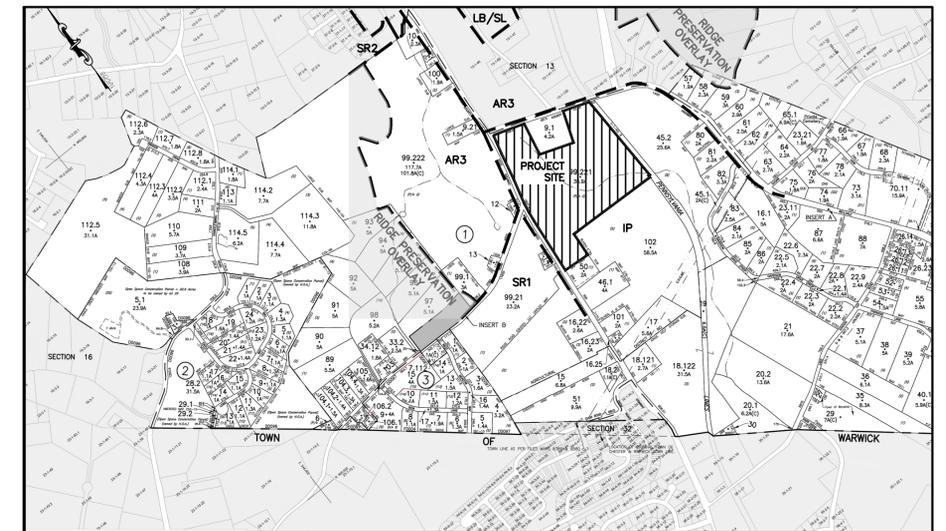
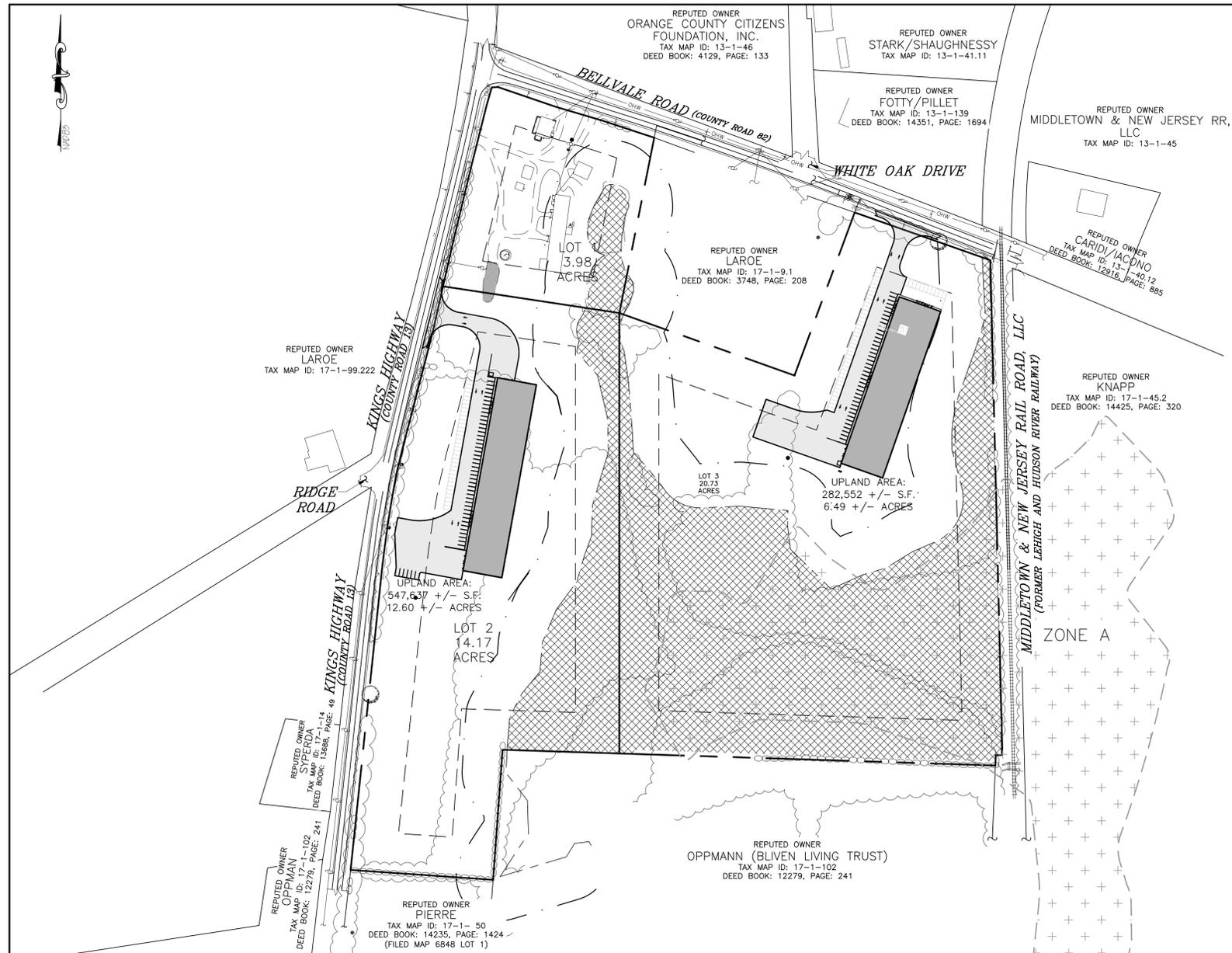


SUBDIVISION AND SITE PLAN FOR 1251 KINGS HIGHWAY LLC

CHESTER, NEW YORK 10918



LOCATION MAP
SCALE: 1"=400'

NYSDEC FRESHWATER WETLAND BOUNDARY VALIDATION

The freshwater wetland boundary as represented on these plans accurately depicts the limits of Freshwater Wetland WR-36 as delineated by Michael Fraatz of the NYSDEC on June 15, 2019.

DEC Staff: Michael Fraatz / Surveyor/Engineer: Arden Consulting Engineers, PLLC

Date Valid: _____ Expiration Date: _____ SEAL

Wetland boundary delineations as validated by the New York State Department of Environmental Conservation remain valid for five (5) years unless existing exempt activities, area hydrology, or land use practices change (e.g., agricultural to residential). After five (5) years the boundary must be revalidated by DEC staff. Revalidation may include a new delineation and survey of the wetland boundary.

Any proposed construction, grading, filling, excavating, clearing or other regulated activity in the freshwater wetland or within 100 feet of the wetland boundary as depicted on this plan requires a permit from the NYS Department of Environmental Conservation under Article 24 of the Environmental Conservation Law (Freshwater Wetlands Act) prior to commencement of work.

TITLE SHEET
SCALE: 1"=150'

STANDARD COUNTY NOTE:

NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.

GENERAL NOTES:

- TOTAL AREA OF SUBJECT PARCEL: 38.891 +/- ACRES
- TAX MAP IDENTIFICATION NUMBER: SECTION 17, BLOCK 1, LOT 99.221
- DEED REFERENCE: DEED LIBER 3748, PAGE 208
- MAP REFERENCES:
 - A MAP ENTITLED, "SUBDIVISION OF PROPERTY FOR LANDS OF BLIVEN" BY DILLIN & SORACE ASSOCIATES DATED OCTOBER 3, 1984 AND FILED IN THE OFFICE OF THE ORANGE COUNTY CLERK ON JANUARY 9, 1985 AS MAP NUMBER 6864
 - A MAP ENTITLED, "LEHIGH AND HUDSON RIVER RAILWAY, RIGHT OF WAY AND TRACK MAP STATION 301+35 TO STATION 195+75" DATED JUNE 30, 1918 AND FILED IN THE ORANGE COUNTY TAX MAP DEPARTMENT AS MAP NUMBER V-1-NO.8.
- ORANGE COUNTY DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAPS ENTITLED, "WARWICK - CHESTER PART TWO, COUNTY ROAD NO. 13", SHET 3 & 4, DATED 1934 AND FILED IN THE OFFICE OF THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS.
- THIS SURVEY IS SUBJECT TO THE FINDING OF AN UP TO DATE ABSTRACT OF TITLE
- SUBJECT TO ANY UNWRITTEN AND/OR WRITTEN LICENSES, EASEMENTS, RESTRICTIONS, AND/OR AGREEMENTS OF RECORD.
- OFFSETS OR DIMENSIONS FROM THE PROPERTY LINES TO STRUCTURES OR IMPROVEMENTS ARE SHOWN FOR THE SPECIFIC PURPOSE OF INTERPRETATION OF COMPLIANCE WITH ZONING AND ARE NOT INTENDED TO MONUMENT THE PROPERTY LINES OR TO GUIDE THE ERECTION OF FENCES OR ANY OTHER IMPROVEMENTS TO THE LAND.

- CERTIFICATIONS ON THIS BOUNDARY SURVEY MAP SIGNIFY THAT THE MAP WAS PREPARED IN ACCORDANCE WITH THE CURRENT EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS, INC. THE CERTIFICATION IS LIMITED TO THE PERSONS FOR WHOM THE BOUNDARY SURVEY MAP IS PREPARED, TO THE TITLE COMPANY, TO THE GOVERNMENTAL AGENCY, AND TO THE LENDING INSTITUTION LISTED ON THIS BOUNDARY SURVEY MAP.
- CERTIFICATIONS HERON ARE NOT TRANSFERABLE.
- WETLANDS LIMITS SHOWN HEREON ARE BASED UPON ACTUAL FIELD LOCATION OF WETLANDS FLAGGING AND AS REFERENCED ON A MAP ENTITLED, "SKETCH PLAN FOR CLASSIC TILE", AS PREPARED BY CIVIL TEC ENGINEERING & SURVEYING, P.C., DATED 5/10/2017.
- UNAUTHORIZED COPIES MAY CONTAIN FRAUDULENT, INCORRECT, ERRONEOUS, OR MISLEADING INFORMATION OR OMIT IMPORTANT AND RELEVANT INFORMATION. DO NOT RELY ON UNAUTHORIZED COPIES. THE SEAL, SIGNATURE, AND CERTIFICATE ARE HEREBY REVOKED OR OTHERWISE VOID ON ALL UNAUTHORIZED COPIES. ALL ORIGINAL DOCUMENTS BEAR AN ORIGINAL IMPRESSION AND INK SIGNATURE.
- ALL UNDERGROUND UTILITIES AND/OR IMPROVEMENTS OR THE ENCROACHMENT OF SUCH IMPROVEMENTS ARE NOT ALWAYS KNOWN AND OFTEN MUST BE ESTIMATED. IF THE ENCROACHMENT OF SUCH UNDERGROUND IMPROVEMENTS EXIST OR ARE SHOWN HEREON, THE ENCROACHMENTS OF SUCH UNDERGROUND UTILITIES AND/OR IMPROVEMENTS ARE NOT COVERED BY THIS CERTIFICATE.
- HOURS OF OPERATION: SUNDAY THROUGH SATURDAY 7:00 AM TO 10:00 PM.

DRAWING LIST

SHEET NO	TITLE	ORIGINAL DATE/LAST REVISED DATE
01 OF 20	TITLE SHEET	4-24-20 /
02 OF 20	EXISTING CONDITIONS PLAN	1-21-19 / 4-24-20
03 OF 20	SUBDIVISION & SITE PLAN	1-21-19 / 4-24-20
04 OF 20	SUBDIVISION & SITE PLAN BUILDING 1	1-21-19 / 4-24-20
05 OF 20	SUBDIVISION & SITE PLAN BUILDING 2	1-21-19 / 4-24-20
06 OF 20	GRADING AND UTILITY PLAN BUILDING 1	1-21-19 / 4-24-20
07 OF 20	GRADING AND UTILITY PLAN BUILDING 2	1-21-19 / 4-24-20
08 OF 20	LANDSCAPING & LIGHTING PLAN BUILDING 1	1-21-19 / 4-24-20
09 OF 20	LANDSCAPING & LIGHTING PLAN BUILDING 2	1-21-19 / 8-26-19
10 OF 20	LIGHTING & LANDSCAPING DETAILS	3-15-19 / 8-26-19
11 OF 20	ROAD PROFILES	1-21-19 / 4-24-20
12 OF 20	EROSION AND SEDIMENT CONTROL PLAN	1-21-19 / 4-24-20
13 OF 20	EROSION AND SEDIMENT CONTROL PLAN DETAILS	3-15-19 / 8-26-19
14 OF 20	SDS DETAILS	3-15-19 / 8-26-19
15 OF 20	CONSTRUCTION DETAILS	1-21-19 / 8-26-19
16 OF 20	STORMWATER CONSTRUCTION DETAILS	3-15-19 / 4-24-20
17 OF 20	STORMWATER CONSTRUCTION DETAILS	3-15-19 / 8-26-19
18 OF 20	TURNING DIAGRAMS	1-21-19 / 4-24-20
19 OF 20	OCDPW ENTRANCE DETAILS	3-15-19 / 4-24-20
20 OF 20	OCDPW ENTRANCE DETAILS	4-24-19/

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REVISION	BY	DATE	DESCRIPTION

THIS SHEET IS NOT VALID WITHOUT ALL OF THE SHEETS THAT COMPRISE THE SET

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TEL: (845) 782-8114
WWW.ARDENCONSULTING.NET

**SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC**
1251 KINGS HWY
CHESTER, NY 10918

JOB#: 18-029
SCALE: AS NOTED
DATE: 4/24/20
DRAWN: MM
CHECKED: MM
SHEET NO: 01 of 20

TITLE SHEET

MICHAEL A. MORGANTE, P.E.
LIC. NO. 78577



LEGEND:

	EXISTING BUILDING
	EXISTING EASEMENT
	EXISTING WATER EDGE
	EXISTING WETLANDS BUFFER
	EXISTING EDGE OF PAVEMENT
	EXISTING YELLOW LINE
	EXISTING WHITE LINE
	EXISTING OVERHEAD WIRE
	EXISTING WIRE MESH FENCE
	EXISTING SOIL DELINEATOR
	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING STONE WALL
	EXISTING DRAINAGE LINE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING WETLAND
	STEEL BRIDGE
	EXISTING GUY
	RAIL ROAD TRUCK
	GRAVEL SURFACE TO BE REMOVED
	PERCOLATION TEST
	EXISTING WELL
	EXISTING LIGHT POLE
	EXISTING IRON PIPE MARKER
	EXISTING IRON ROD MARKER
	EXISTING RAILROAD SIGNAL X-ING STOP ARM
	EXISTING SIGN
	RR X-ING SIGN
	TREE
	EXISTING TREELINE
	CONCRETE SURFACE
	EXISTING FLOOD ZONE

ORANGE COUNTY SOIL SURVEY TABLE

SOIL CLASSIFICATION	SOIL DESCRIPTION	SOIL CHARACTERISTIC	SLOPE
Ab	ALDEN SILT LOAM	POORLY DRAINED	0 - 3 %
BnC	BATH-NASSAU SHALY SILT LOAM	WELL DRAINED	8 - 15 %
ErB	ERIE GRAVELLY SILT LOAM	SOMEWHAT POORLY DRAINED	3 - 8 %
Ma	MADALIN SILT LOAM	POORLY DRAINED	0 - 3 %
MdB	MARDIN GRAVELLY SILT LOAM	MODERATELY WELL DRAINED	3 - 8 %
MdD	MARDIN GRAVELLY SILT LOAM	MODERATELY WELL DRAINED	15 - 25 %

SLOPES TABLE

NUMBER	MINIMUM SLOPE	MAXIMUM SLOPE	COLOR	AREA (SF)
1	0.00%	10.00%		650444.58
2	10.00%	20.00%		349735.80
3	20.00%	100.00%		108001.61

EXISTING CONDITIONS PLAN
SCALE: 1"=100'



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REVISION	BY	DATE	DESCRIPTION
4.	MM	4/24/20	REVISIONS PER 4/10/20 OGDPM COMMENT LETTER
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SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

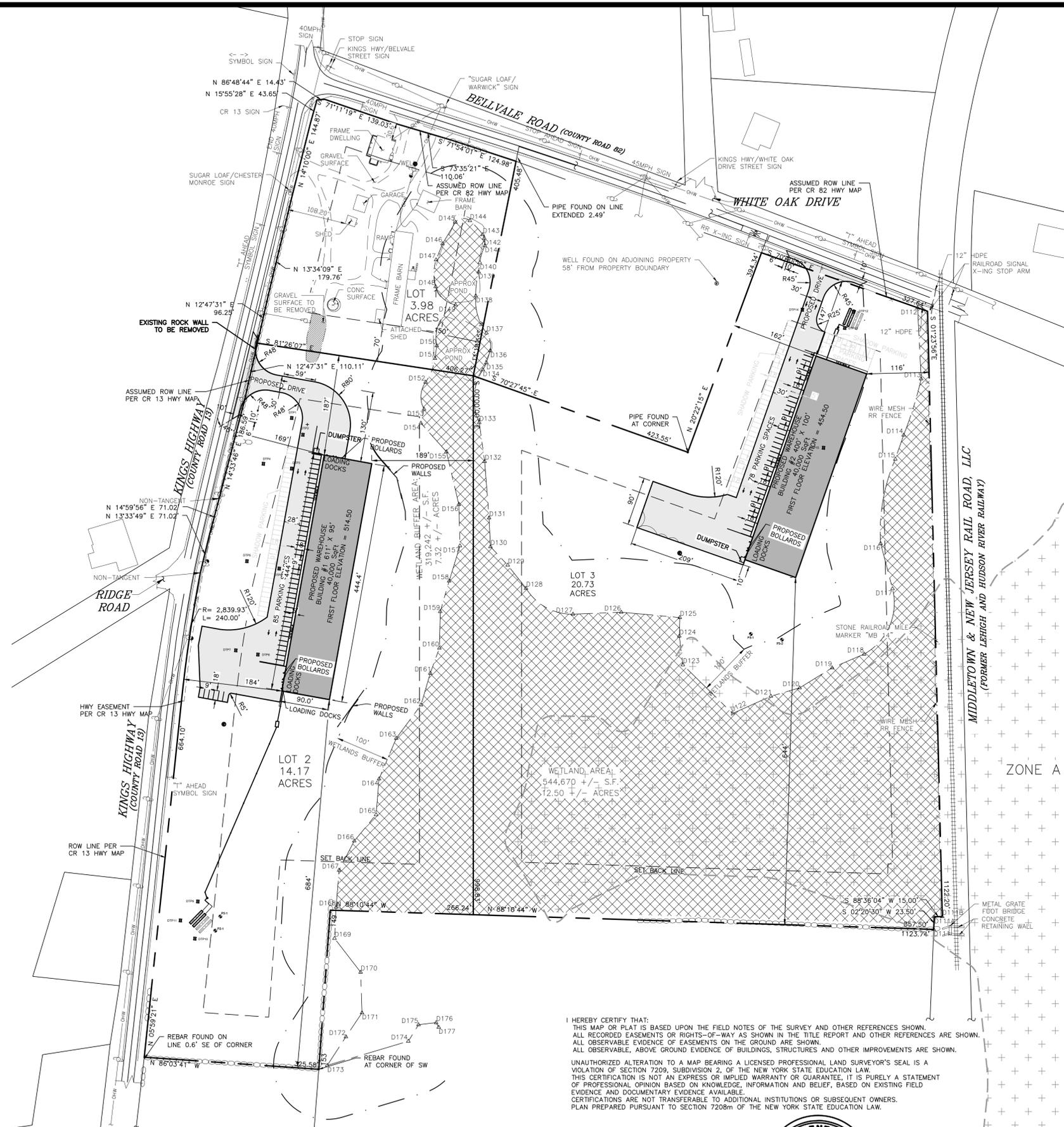
JOB#: 18-029
SCALE: AS NOTED
DATE: 1/21/19
DRAWN: MM
CHECKED: MM
SHEET NO. 02 of 20

EXISTING CONDITIONS PLAN

MICHAEL A. MORGANTE, P.E.
LIC. NO. 78577

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LEGEND:

[Symbol]	EXISTING BUILDING
[Symbol]	EXISTING WATER EDGE
[Symbol]	EXISTING WETLANDS BUFFER
[Symbol]	EXISTING EDGE OF PAVEMENT
[Symbol]	EXISTING YELLOW LINE
[Symbol]	EXISTING WHITE LINE
[Symbol]	EXISTING OVERHEAD WIRE
[Symbol]	EXISTING PROPERTY LINE
[Symbol]	EXISTING ADJACENT PROPERTY LINE
[Symbol]	EXISTING STONE WALL
[Symbol]	EXISTING MAJOR CONTOUR
[Symbol]	EXISTING MINOR CONTOUR
[Symbol]	EXISTING DRAINAGE LINE
[Symbol]	EXISTING WETLAND
[Symbol]	EXISTING GUY
[Symbol]	GRAVEL SURFACE TO BE REMOVED
[Symbol]	PERCOLATION TEST
[Symbol]	EXISTING WELL
[Symbol]	EXISTING LIGHT POLE
[Symbol]	EXISTING IRON PIPE MARKER
[Symbol]	EXISTING IRON ROD MARKER
[Symbol]	EXISTING SIGN
[Symbol]	PROPOSED WELL
[Symbol]	DUMPSTER LINE
[Symbol]	ZONING SET BACK LINE
[Symbol]	PROPOSED BUILDING
[Symbol]	PROPOSED EDGE OF PAVEMENT
[Symbol]	PROPOSED PROPERTY LINE
[Symbol]	PROPOSED SEWER LINE
[Symbol]	PROPOSED SEWER CLEANOUT
[Symbol]	PROPOSED SEPTIC TANK
[Symbol]	PROPOSED DISTRIBUTION BOX
[Symbol]	EXISTING FLOOD ZONE
[Symbol]	DEEP TESTS

**ZONING BULK TABLE
IP DISTRICT (INDUSTRIAL PARK)**

	REQUIRED (MINIMUM)	LOT 1 3.98 ACRES	LOT 2 14.17 ACRES	LOT 3 20.73 ACRES
LOT AREA	2 ACRES	3.98 ACRES	14.17 ACRES	20.73 ACRES
LOT WIDTH	200 FT.	456.9 FT.	1,340.6 FT.	385.9 FT.
FRONT YARD	75 FT.	108.2 FT. EXISTING	169.0 FT.	147.0 FT.
SIDE YARD (1)	70 FT.	30.6 FT. EXISTING	187.0 FT.	116.0 FT.
SIDE YARD (BOTH)	140 FT.	100.9 FT.	871.0 FT.	278.0 FT.
REAR YARD	75 FT.	149.6 FT. EXISTING	189.0 FT.	644.0 FT.
BUILDING HEIGHT (MAX.)	45 FT.	26.8 FT. EXISTING	45 FT.	45 FT.
LOT COVERAGE (MAX)	40%	5.6%	14.9%	10.4%
DISTURBED AREA		3.13 ACRES	2.84 ACRES	

PARKING REQUIREMENTS

WAREHOUSE OR WHOLESALE ESTABLISHMENT
1 PER 500 SQUARE FEET OF GROSS FLOOR AREA

LOT 2: 40,000 SF/500 SF/SPACE=80 SPACES REQUIRED
50 SPACES PROVIDED
35 SPACES SHADOW

LOT 3: 40,000 SF/500 SF/SPACE=80 SPACES REQUIRED
40 SPACES PROVIDED
49 SPACES SHADOW

STANDARD COUNTY NOTE:

1. NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW



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CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
PLAN PREPARED PURSUANT TO SECTION 7208m OF THE NEW YORK STATE EDUCATION LAW.

SUBDIVISION & SITE PLAN
SCALE: 1"=100'



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3.	MM	8/26/19	REVISIONS PER 3/25/19 FUSCO COMMENT LETTER & 3/29/19 KALA COMMENT LETTER
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1.	MM	3/15/19	REVISIONS PER 1/28/19 FUSCO COMMENT LETTER

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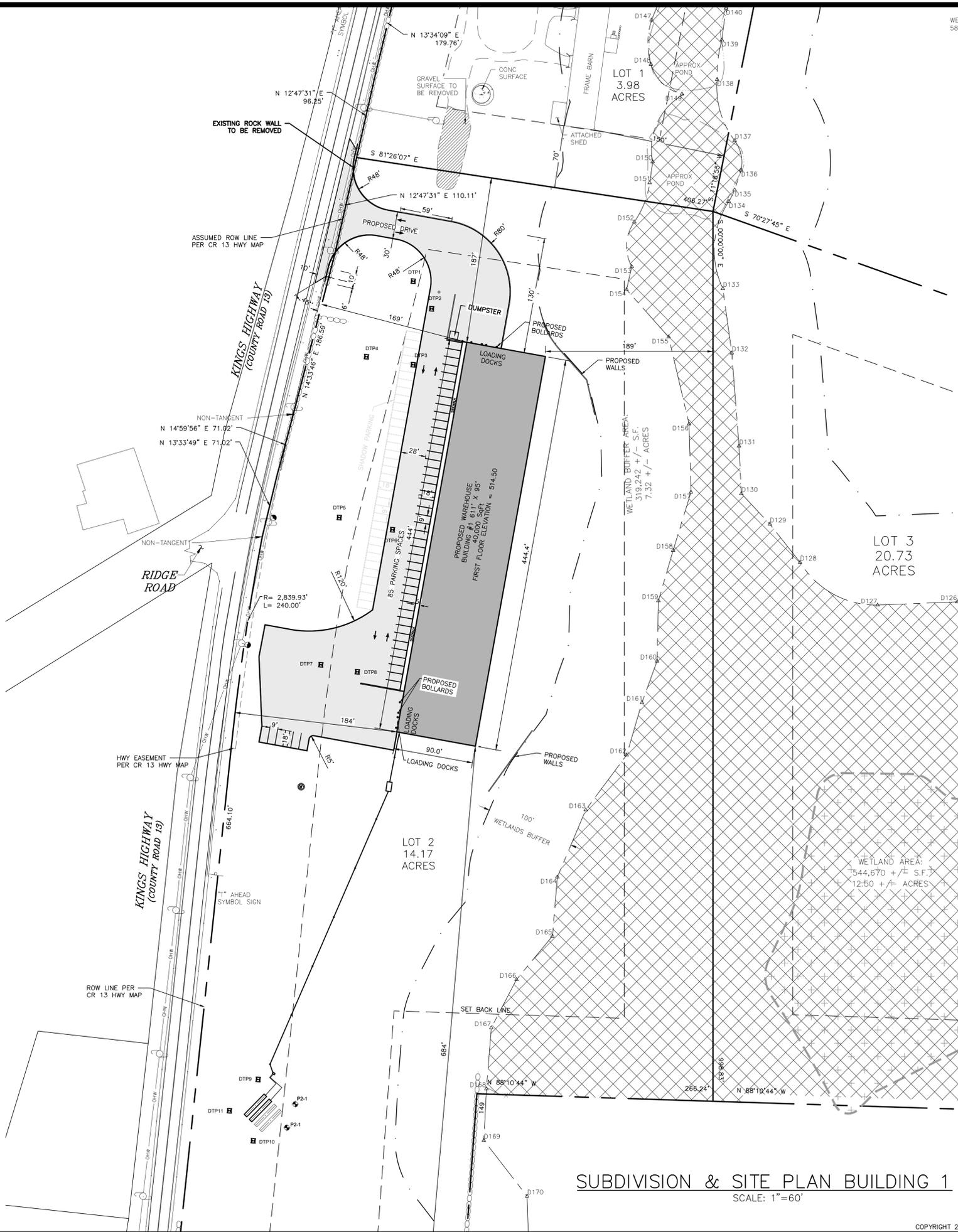
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SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

JOB#: 18-029
SCALE: AS NOTED
DATE: 1/21/19
DRAWN: MM
CHECKED: MM
SHEET NO. 03 OF 20

MICHAEL A. MORGANTE, P.E.
LIC. NO. 78577

SUBDIVISION & SITE PLAN



LEGEND:

	EXISTING BUILDING
	EXISTING WATER EDGE
	EXISTING WETLANDS BUFFER
	EXISTING EDGE OF PAVEMENT
	EXISTING YELLOW LINE
	EXISTING WHITE LINE
	EXISTING OVERHEAD WIRE
	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING STONE WALL
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING DRAINAGE LINE
	EXISTING WETLAND
	EXISTING GUY
	GRAVEL SURFACE TO BE REMOVED
	PERCOLATION TEST
	EXISTING WELL
	EXISTING LIGHT POLE
	EXISTING IRON PIPE MARKER
	EXISTING IRON ROD MARKER
	EXISTING SIGN
	PROPOSED WELL
	DUMPSTER LINE
	ZONING SET BACK LINE
	PROPOSED BUILDING
	PROPOSED EDGE OF PAVEMENT
	PROPOSED PROPERTY LINE
	PROPOSED SEWER LINE
	PROPOSED SEWER CLEANOUT
	PROPOSED SEPTIC TANK
	PROPOSED DISTRIBUTION BOX
	EXISTING FLOOD ZONE
	DEEP TESTS

ZONING BULK TABLE
IP DISTRICT (INDUSTRIAL PARK)

	REQUIRED (MINIMUM)	PROPOSED		
		LOT 1	LOT 2	LOT 3
LOT AREA	2 ACRES	3.98 ACRES	14.17 ACRES	20.73 ACRES
LOT WIDTH	200 FT.	456.9 FT.	1,340.6 FT.	385.9 FT.
FRONT YARD	75 FT.	108.2 FT. EXISTING	169.0 FT.	147.0 FT.
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PARKING REQUIREMENTS
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35 SPACES SHADOW

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49 SPACES SHADOW

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SHADOW PARKING NOTE:
SHADOW PARKING TO BE CONSTRUCTED AS DIRECTED BY THE ENGINEER

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REVISION	BY	DATE	DESCRIPTION
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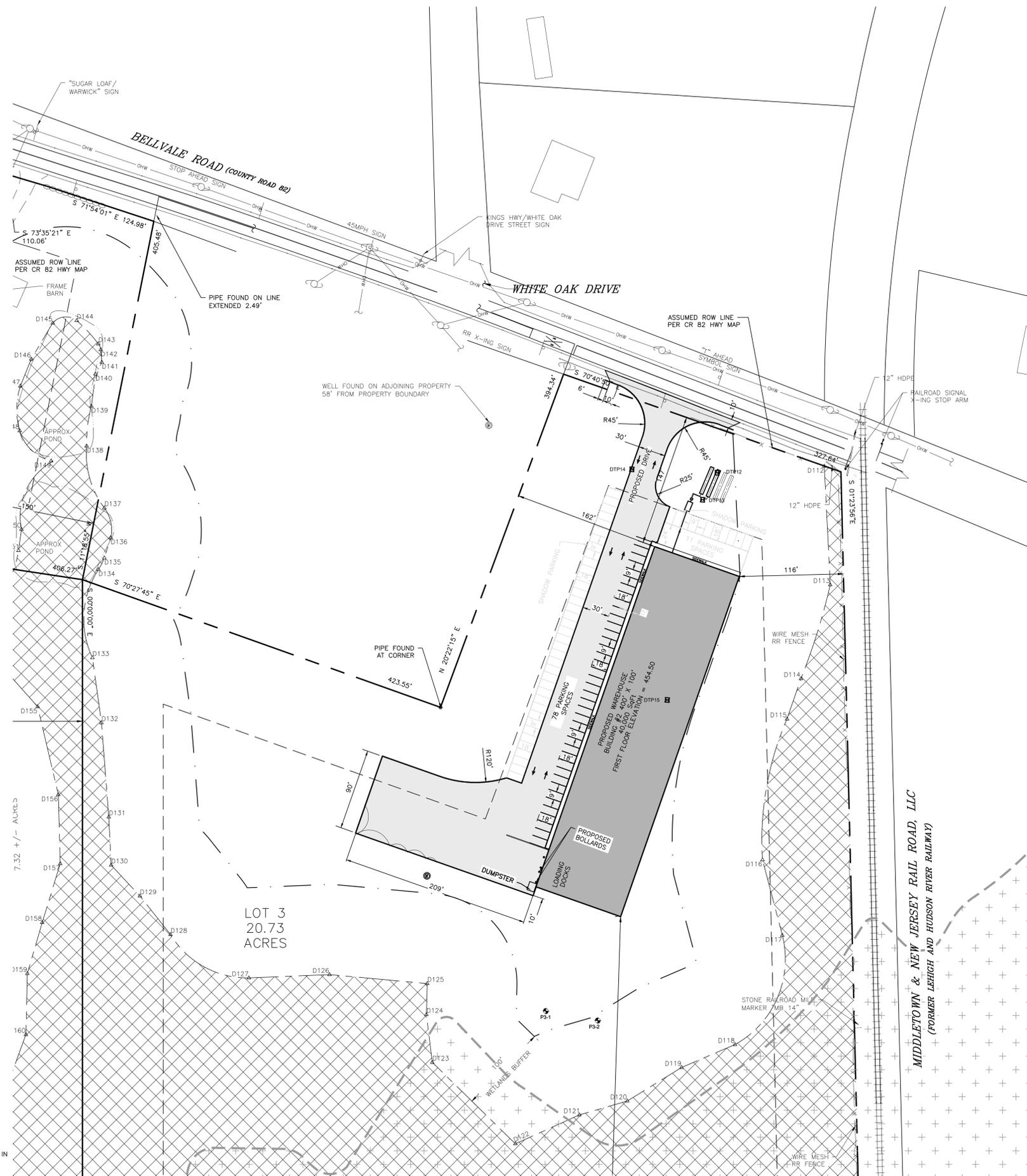
JOB#: 18-029
SCALE: AS NOTED
DATE: 1/21/19
DRAWN: MM
CHECKED: MM
SHEET NO. 04 of 20

SUBDIVISION & SITE PLAN BUILDING 1
SCALE: 1"=60'



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[Symbol]	PERCOLATION TEST
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[Symbol]	PROPOSED PROPERTY LINE
[Symbol]	PROPOSED SEWER LINE
[Symbol]	PROPOSED SEWER CLEANOUT
[Symbol]	PROPOSED SEPTIC TANK
[Symbol]	PROPOSED DISTRIBUTION BOX
[Symbol]	EXISTING FLOOD ZONE
[Symbol]	DEEP TESTS

ZONING BULK TABLE
IP DISTRICT (INDUSTRIAL PARK)

	REQUIRED (MINIMUM)	LOT 1	LOT 2	LOT 3
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BUILDING HEIGHT (MAX.)	45 FT.	26.8 FT. EXISTING	45 FT.	45 FT.
LOT COVERAGE (MAX)	40%	5.6%	14.9%	10.4%
DISTURBED AREA			3.13 ACRES	2.84 ACRES

PARKING REQUIREMENTS

WAREHOUSE OR WHOLESALE ESTABLISHMENT
1 PER 500 SQUARE FEET OF GROSS FLOOR AREA

LOT 2: 40,000 SF/500 SF/SPACE=80 SPACES REQUIRED
50 SPACES PROVIDED
35 SPACES SHADOW

LOT 3: 40,000 SF/500 SF/SPACE=80 SPACES REQUIRED
40 SPACES PROVIDED
49 SPACES SHADOW

STANDARD COUNTY NOTE:

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SHADOW PARKING NOTE:

SHADOW PARKING TO BE CONSTRUCTED AS DIRECTED BY THE ENGINEER



REVISION	BY	DATE	DESCRIPTION
4.	MM	4/24/20	REVISIONS PER 4/10/20 OGD/PW COMMENT LETTER
3.	MM	8/26/19	REVISIONS PER 3/25/19 FUSCO COMMENT LETTER & 3/29/19 KALA COMMENT LETTER
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1.	MM	3/15/19	REVISIONS PER 1/28/19 FUSCO COMMENT LETTER

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SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

SUBDIVISION & SITE PLAN
BUILDING 2

JOB#: 18-029
SCALE: AS NOTED
DATE: 1/21/19
DRAWN: MM
CHECKED: MM
SHEET NO. 05 of 20

MICHAEL A. MORGANTE, P.E.
LIC. NO. 78577

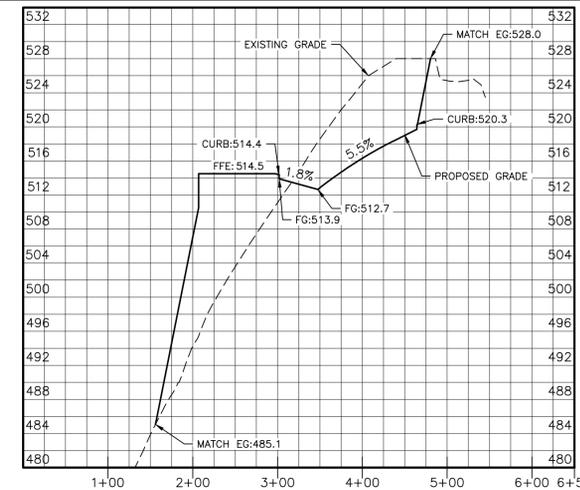
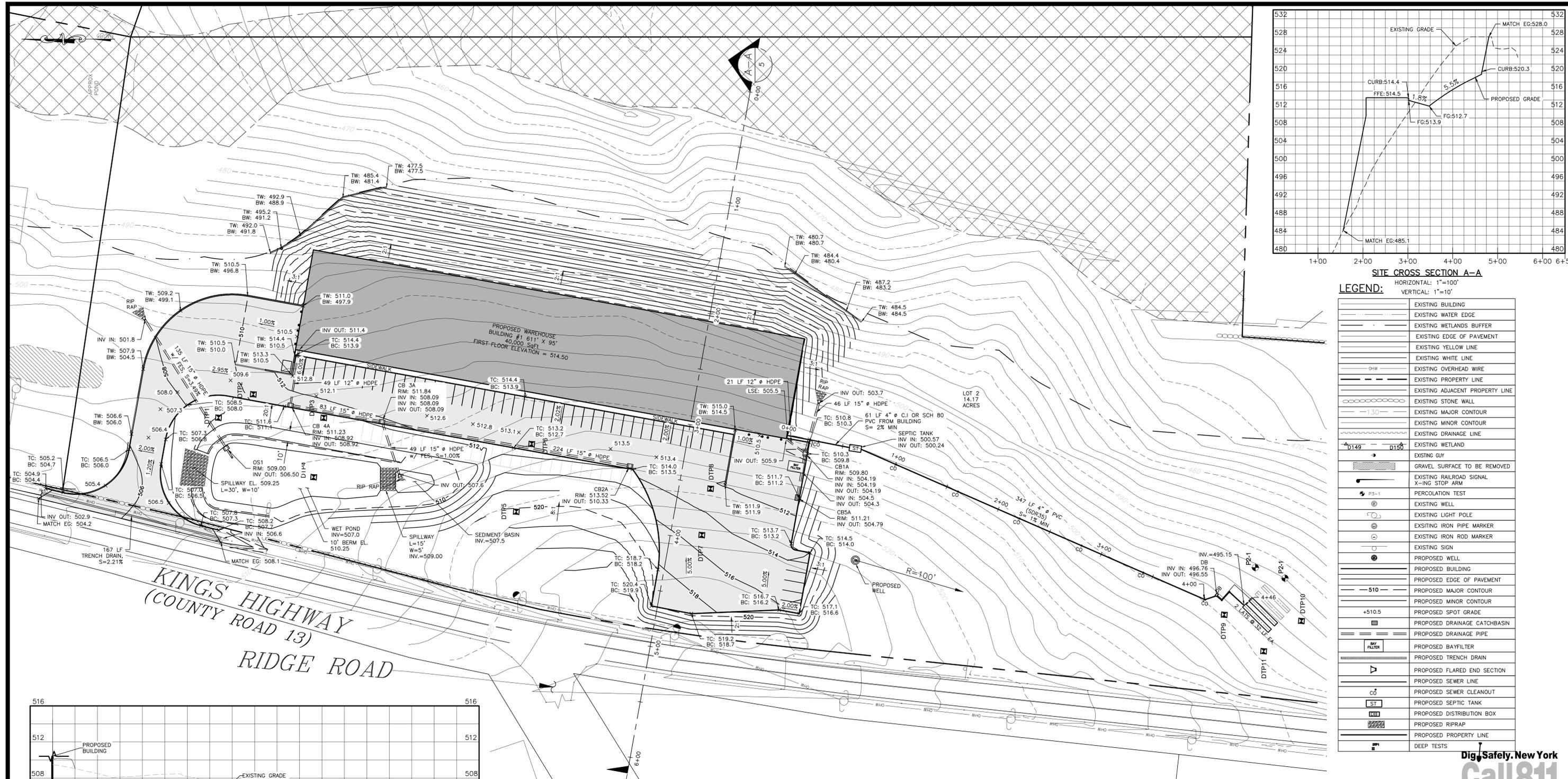
SUBDIVISION & SITE PLAN BUILDING 2
SCALE: 1"=60'



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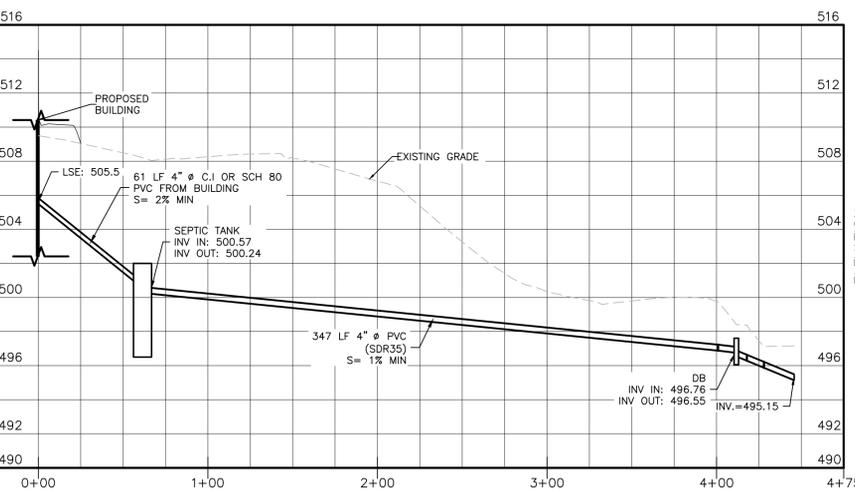
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SITE CROSS SECTION A-A
 HORIZONTAL: 1"=100'
 VERTICAL: 1"=10'

LEGEND:

	EXISTING BUILDING
	EXISTING WATER EDGE
	EXISTING WETLANDS BUFFER
	EXISTING EDGE OF PAVEMENT
	EXISTING YELLOW LINE
	EXISTING WHITE LINE
	EXISTING OVERHEAD WIRE
	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING STONE WALL
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING DRAINAGE LINE
	EXISTING WETLAND
	EXISTING GUY
	GRAVEL SURFACE TO BE REMOVED
	EXISTING RAILROAD SIGNAL
	EXISTING STOP ARM
	PERCOLATION TEST
	EXISTING WELL
	EXISTING LIGHT POLE
	EXISTING IRON PIPE MARKER
	EXISTING IRON ROD MARKER
	EXISTING SIGN
	PROPOSED WELL
	PROPOSED BUILDING
	PROPOSED EDGE OF PAVEMENT
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED SPOT GRADE
	PROPOSED DRAINAGE CATCHBASIN
	PROPOSED DRAINAGE PIPE
	PROPOSED BAYFILTER
	PROPOSED TRENCH DRAIN
	PROPOSED FLARED END SECTION
	PROPOSED SEWER LINE
	PROPOSED SEWER CLEANOUT
	PROPOSED SEPTIC TANK
	PROPOSED DISTRIBUTION BOX
	PROPOSED RIPRAP
	PROPOSED PROPERTY LINE
	DEEP TESTS



SEWAGE DISPOSAL SYSTEM PROFILE
 HORIZONTAL: 1"=50'
 VERTICAL: 1"=10'

GRADING AND UTILITY PLAN BUILDING 1
 SCALE: 1"=40'

PERCOLATION TEST LOT 2

PERC. No.	TEST RUN	DURATION
No. 1	FIRST RUN	1:50 MIN.
	SECOND RUN	2:21 MIN.
	THIRD RUN	2:22 MIN.
No. 2	FIRST RUN	0:50 MIN.
	SECOND RUN	0:52 MIN.
	THIRD RUN	1:05 MIN.
	FOURTH RUN	1:09 MIN.

PERCOLATION TESTS WERE WITNESSED BY FUSCO ENGINEERING & LAND SURVEYING, P.C.

DEEP TEST PIT OBSERVATIONS LOT 2
 AUGUST 30, 2019 BY ARDEN CONSULTING ENGINEERS, PLLC

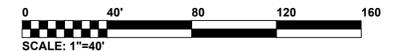
PIT NO.	DEPTH	DESCRIPTION
DT9	0"-8" 8"-24" 24"-48"	TOPSOIL LOAM w/ GRAVEL LOAM w/ RIPPLE SHALE NO MOTTLING REFUSAL @ 48" NO SEEPAGE
DT10	0"-8" 8"-48"	TOPSOIL LOAM w/ RIPPLE SHALE NO MOTTLING REFUSAL @ 48" NO SEEPAGE
DT11	0"-8" 8"-48"	TOPSOIL LOAM w/ RIPPLE SHALE NO MOTTLING REFUSAL @ 48" NO SEEPAGE

SEPTIC SYSTEM DESIGN CRITERIA:

- HYDRAULIC RATE PER EMPLOYEE/SHIFT = 15 GPD
- SEPTIC TANK DESIGN: 1.5*Q = 1.5*450 GPD = 675 GALLONS
USE A 1,250 GALLON SEPTIC TANK
- MAX. STABILIZED PERCOLATION RATE: 2:22 MIN/IN
DESIGN RATE: 1-5 MIN/IN.
- FLOW RATE (GAL/DAY): 450 GPD FOR 30 EMPLOYEES WITH ONE WORK SHIFT
- ELJEN DESIGN PER 2014 NYSDEC DESIGN STDS. FOR INTERMEDIATE SIZED WTS
 - 1.2 GPD/SF APPLICATION RATE
 - DESIGN FLOW=450 GPD
 - 450 GPD/1.2 GPD/SF = 375 S.F.
 - USING 6 SF/LF YIELDS 62.5 LF
 - DIVIDING BY 4 LF/ELIEN UNIT YIELDS 15,625 UNITS-SAY 16 UNITS PROVIDED: 2 LATS. @ 8 UNITS PER LATERAL =64 LF w/ 100% EXPANSION

STANDARD COUNTY NOTE:

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REVISION	BY	DATE	DESCRIPTION
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1.	MM	3/15/19	REVISIONS PER 1/28/19 FUSCO COMMENT LETTER

THIS SHEET IS NOT VALID WITHOUT ALL OF THE SHEETS THAT COMPRISE THE SET

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SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
 1251 KINGS HWY
 CHESTER, NY 10918

JOB#: 18-029
 SCALE: AS NOTED
 DATE: 1/21/19
 DRAWN: MM
 CHECKED: MM
 SHEET NO. 06 OF 20

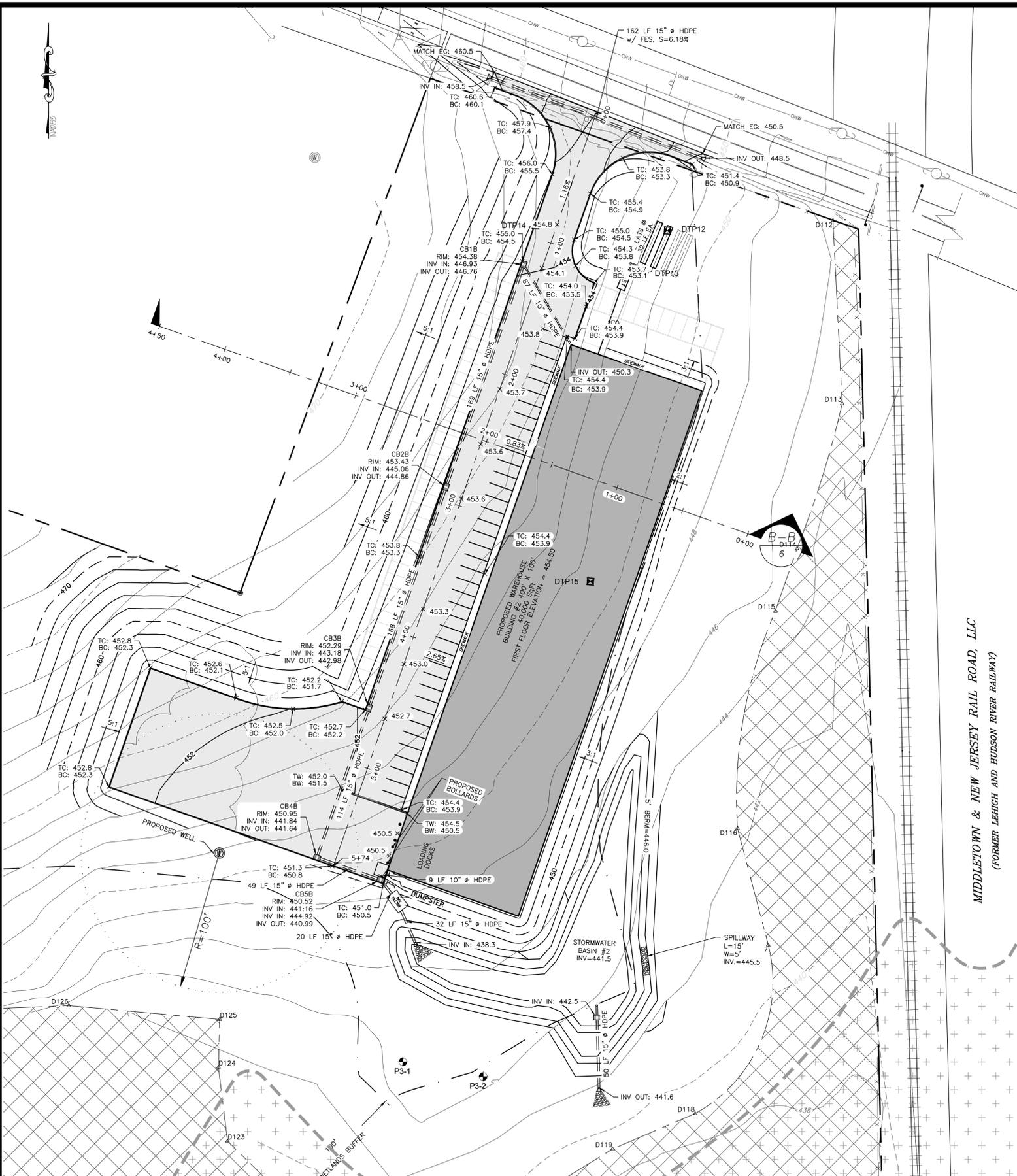
GRADING AND UTILITY PLAN BUILDING 1

MICHAEL A. MORGANTE, P.E.
 LIC. NO. 78577

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LEGEND:

[Symbol]	EXISTING BUILDING
[Symbol]	EXISTING WATER EDGE
[Symbol]	EXISTING WETLANDS BUFFER
[Symbol]	EXISTING EDGE OF PAVEMENT
[Symbol]	EXISTING YELLOW LINE
[Symbol]	EXISTING WHITE LINE
[Symbol]	EXISTING OVERHEAD WIRE
[Symbol]	EXISTING PROPERTY LINE
[Symbol]	EXISTING ADJACENT PROPERTY LINE
[Symbol]	EXISTING STONE WALL
[Symbol]	EXISTING MAJOR CONTOUR
[Symbol]	EXISTING MINOR CONTOUR
[Symbol]	EXISTING DRAINAGE LINE
[Symbol]	EXISTING WETLAND
[Symbol]	EXISTING GUY
[Symbol]	GRAVEL SURFACE TO BE REMOVED
[Symbol]	EXISTING RAILROAD SIGNAL X-ING STOP ARM
[Symbol]	PERCOLATION TEST
[Symbol]	EXISTING WELL
[Symbol]	EXISTING LIGHT POLE
[Symbol]	EXISTING IRON PIPE MARKER
[Symbol]	EXISTING IRON ROD MARKER
[Symbol]	EXISTING SIGN
[Symbol]	PROPOSED WELL
[Symbol]	PROPOSED BUILDING
[Symbol]	PROPOSED EDGE OF PAVEMENT
[Symbol]	PROPOSED MAJOR CONTOUR
[Symbol]	PROPOSED MINOR CONTOUR
[Symbol]	PROPOSED SPOT GRADE
[Symbol]	PROPOSED DRAINAGE CATCHBASIN
[Symbol]	PROPOSED DRAINAGE PIPE
[Symbol]	PROPOSED BAYFILTER
[Symbol]	PROPOSED TRENCH DRAIN
[Symbol]	PROPOSED FLARED END SECTION
[Symbol]	PROPOSED SEWER LINE
[Symbol]	PROPOSED SEWER CLEANOUT
[Symbol]	PROPOSED SEPTIC TANK
[Symbol]	PROPOSED DISTRIBUTION BOX
[Symbol]	PROPOSED RIPRAP
[Symbol]	PROPOSED PROPERTY LINE
[Symbol]	DEEP TESTS
[Symbol]	EXISTING FLOOD ZONE

PERCOLATION TEST LOT 3

PERC. No. 1	
FIRST RUN	1:26 MIN.
SECOND RUN	1:55 MIN.
THIRD RUN	2:17 MIN.
PERC. No. 2	
FIRST RUN	1:54 MIN.
SECOND RUN	2:40 MIN.
THIRD RUN	2:56 MIN.
FOURTH RUN	3:04 MIN.

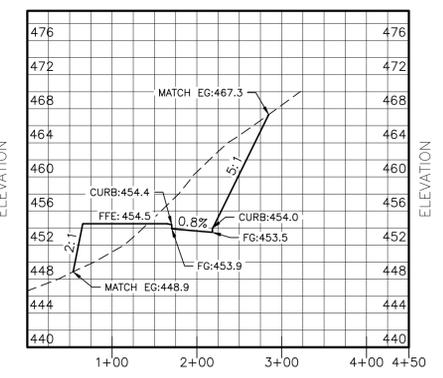
PERCOLATION TESTS WERE WITNESSED BY FUSCO ENGINEERING & LAND SURVEYING, P.C.

DEEP TEST PIT OBSERVATIONS LOT 3
AUGUST 30, 2019 BY ARDEN CONSULTING ENGINEERS, PLLC

PIT NO.	DEPTH	DESCRIPTION
DT12	0'-9"	TOPSOIL
	9'-36"	LOAM w/ GRAVEL
	36"-60"	SANDY LOAM w/ GRAVEL, SHALE COBBLES & CLAY POCKETS ROOTS TO 36"+ NO LEDGE NO SEEPAGE
DT13	0'-9"	TOPSOIL
	9'-44"	LOAM w/ GRAVEL
	44"-72"	SANDY LOAM w/ GRAVEL, SHALE COBBLES & CLAY POCKETS ROOTS TO 36"+ NO LEDGE NO SEEPAGE

SEPTIC SYSTEM DESIGN CRITERIA:

- HYDRAULIC RATE PER EMPLOYEE/SHIFT = 15 GPD
- SEPTIC TANK DESIGN: 1.5*Q = 1.5*450 GPD = 675 GALLONS
USE A 1,250 GALLON SEPTIC TANK
- MAX. STABILIZED PERCOLATION RATE: 2:22 MIN/IN
DESIGN RATE: 1-5 MIN/IN.
- FLOW RATE (GAL/DAY): 450 GPD FOR 30 EMPLOYEES WITH ONE WORK SHIFT
- ELJEN DESIGN PER 2014 NYSDEC DESIGN STDS. FOR INTERMEDIATE SIZED WTS
 - 1.2 GPD/SF APPLICATION RATE
 - DESIGN FLOW=450 GPD
 - 450 GPD/1.2 GPD/SF = 375 S.F.
 - USING 6 SF/LF YIELDS 62.5 LF
 - DIVIDING BY 4 LF/ELJEN UNIT
 - YIELDS 15.625 UNITS-SAY 16 UNITS
 - PROVIDED: 2 LATS. @ 8 UNITS PER LATERAL
 - =64 LF w/ 100% EXPANSION



SITE CROSS SECTION B-B
HORIZONTAL: 1"=100'
VERTICAL: 1"=10'



REVISION	BY	DATE	DESCRIPTION
4.	MM	4/24/20	REVISIONS PER 4/10/20 OCPDW COMMENT LETTER
3.	MM	8/26/19	REVISIONS PER 3/25/19 FUSCO COMMENT LETTER & 3/29/19 KALA COMMENT LETTER
2.	MM	8/9/19	REVISIONS PER NYSDEC WETLAND DELINEATION
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SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

**GRADING AND UTILITY PLAN
BUILDING 2**

JOB#: 18-029
SCALE: AS NOTED
DATE: 1/21/19
DRAWN: MM
CHECKED: MM
SHEET NO. 07 OF 20

GRADING AND UTILITY PLAN BUILDING 2
SCALE: 1"=40'



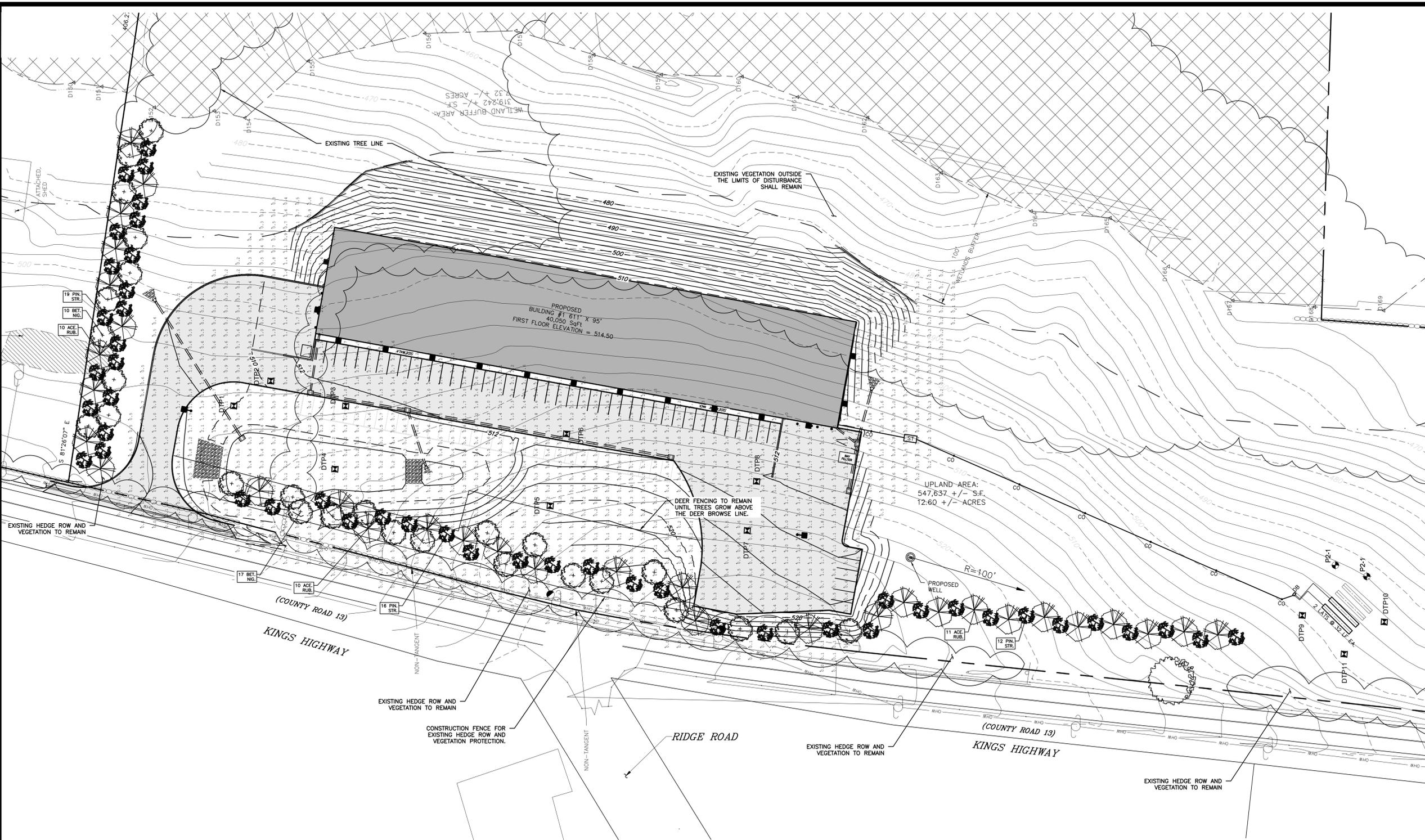
NOTE:
WETLAND BUFFER DISTURBANCE AREA=13,189 SF

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LEGEND:

	EXISTING BUILDING
	EXISTING WATER EDGE
	EXISTING WETLANDS BUFFER
	EXISTING EDGE OF PAVEMENT
	EXISTING YELLOW LINE
	EXISTING WHITE LINE
	EXISTING OVERHEAD WIRE
	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING STONE WALL
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING DRAINAGE LINE
	EXISTING WETLAND
	EXISTING TREELINE
	EXISTING GUY
	GRAVEL SURFACE TO BE REMOVED
	EXISTING RAILROAD SIGNAL X-ING STOP ARM
	PERCOLATION TEST
	EXISTING WELL
	EXISTING LIGHT POLE
	EXISTING IRON PIPE MARKER
	EXISTING IRON ROD MARKER
	EXISTING SIGN
	PROPOSED WELL
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	PROPOSED EDGE OF PAVEMENT
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED DRAINAGE CATCHBASIN
	PROPOSED DRAINAGE PIPE
	PROPOSED BAY FILTER
	PROPOSED TRENCH DRAIN
	PROPOSED FLARED END SECTION
	PROPOSED SEWER LINE
	PROPOSED SEWER CLEANOUT
	PROPOSED SEPTIC TANK
	PROPOSED DISTRIBUTION BOX
	PROPOSED RIPRAP
	PROPOSED PROPERTY LINE
	DEEP TESTS



LANDSCAPING & LIGHTING PLAN BUILDING 1
SCALE: 1"=40'

Label	Units	Avg	Max	Min	Avg/Min	Max/Min	PtSpClr	PtSpTb
BUILDING #1	Fc	1.43	3.1	0.1	14.30	31.00	10	10
BUILDING #2	Fc	1.43	3.3	0.1	14.30	33.00		

Symbol	Qty	Label	Lum. Lumens	LLF	Description	Lum. Watts
	1	A	18931	0.950	WLS-CLXM-LED-18L-SIL-3-40-70CRI 25' POLE 2'-6" BASE	148.5
	3	B	17562	0.950	WLS-CLXM-LED-18L-SIL-5W-40-70CRI 25' POLE 2'-6" BASE	148.5
	30	C	8265	0.950	WLS-MIRW-FT-LED-08-40 25' MOUNTING HEIGHT	76

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREE(S)					
PIN. STR.	47	PINUS STROBUS	WHITE PINE BOTANICAL	6'-8'	B&B.
DECIDUOUS TREE(S)					
ACE. RUB.	31	ACER RUBRUM 'FRANKSRED'	RED SUNSET RED MAPLE	2.5"-3" CAL.	B&B
BET. NIG.	27	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	12"-14'	B&B



REVISION	BY	DATE	DESCRIPTION
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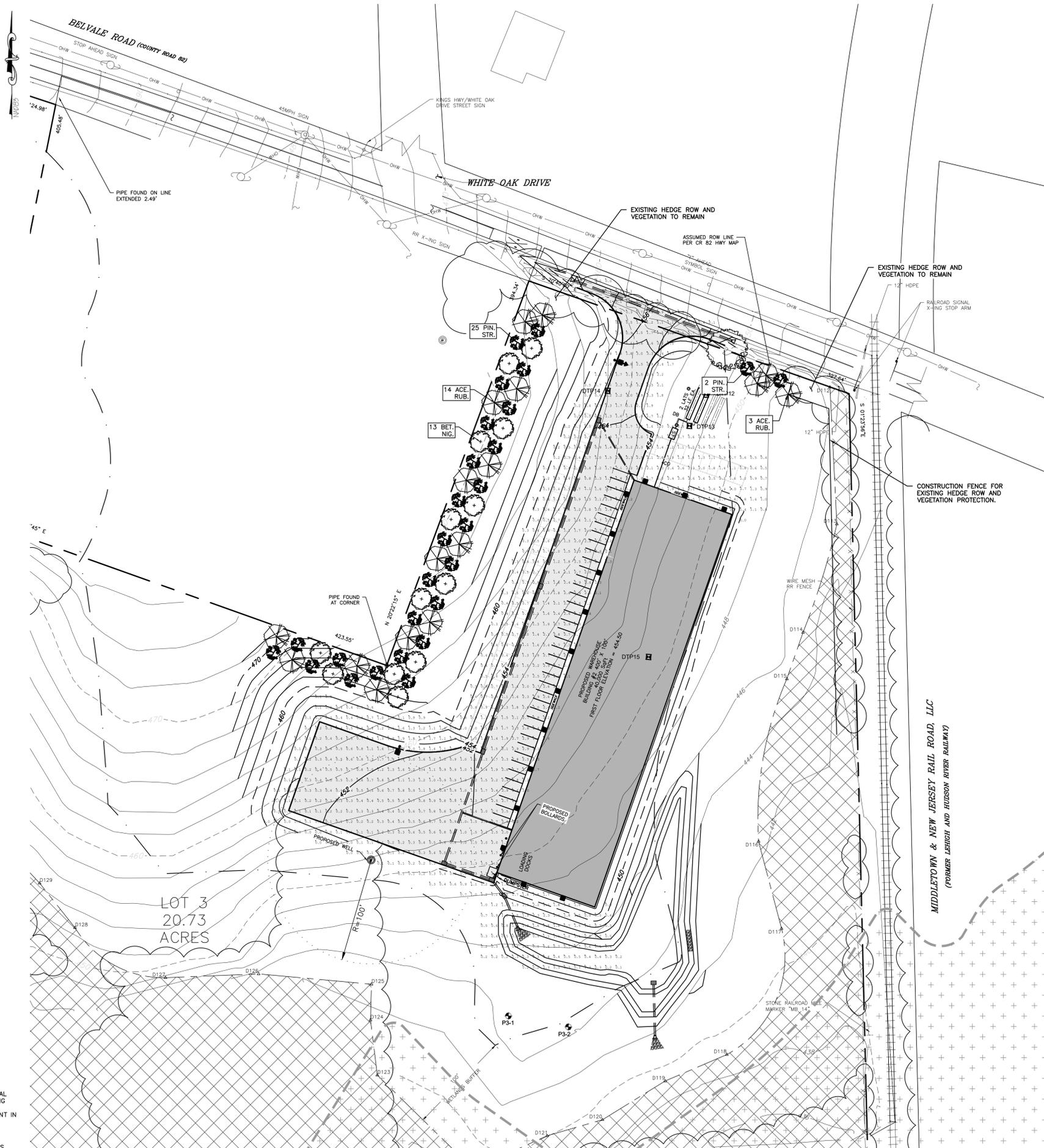
SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

JOB#: 18-029
SCALE: AS NOTED
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	EXISTING WETLANDS BUFFER
	EXISTING EDGE OF PAVEMENT
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	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING STONE WALL
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING DRAINAGE LINE
	EXISTING WETLAND
	EXISTING TREELINE
	EXISTING GULLY
	GRAVEL SURFACE TO BE REMOVED
	EXISTING RAILROAD SIGNAL X-ING STOP ARM
	PERCOLATION TEST
	EXISTING WELL
	EXISTING LIGHT POLE
	EXISTING IRON PIPE MARKER
	EXISTING IRON ROD MARKER
	EXISTING SIGN
	PROPOSED WELL
	PROPOSED BUILDING
	PROPOSED EDGE OF PAVEMENT
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	PROPOSED FLARED END SECTION
	PROPOSED SEWER LINE
	PROPOSED SEWER CLEANOUT
	PROPOSED SEPTIC TANK
	PROPOSED DISTRIBUTION BOX
	PROPOSED RIPRAP
	PROPOSED PROPERTY LINE
	DEEP TESTS
	EXISTING FLOOD ZONE

Label	Units	Avg	Max	Min	Avg/Min	Max/Min	PtSpclr	PtSpctb
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SUBDIVISION & SITE PLAN FOR
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1251 KINGS HWY
CHESTER, NY 10918

LANDSCAPING & LIGHTING PLAN
BUILDING 2

JOB#: 18-029
SCALE: AS NOTED
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CHECKED: MM
SHEET NO. 08 of 20

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LANDSCAPING & LIGHTING PLAN BUILDING 2

SCALE: 1"=50'

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GENERAL LANDSCAPING NOTES: REVISED 2/16/2015

- THE LANDSCAPE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH THESE SPECIFICATIONS, APPROVED OR FINAL DRAWINGS, AND INSTRUCTIONS PROVIDED BY THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIALS, OR OWNER/OWNER'S REPRESENTATIVE. ALL WORK COMPLETED AND MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH THE INTENTIONS OF THE SPECIFICATIONS, DRAWINGS, AND INSTRUCTIONS AND EXECUTED WITH THE STANDARD LEVEL OF CARE FOR THE LANDSCAPE INDUSTRY.
- WORK MUST BE CARRIED OUT ONLY DURING WEATHER CONDITIONS FAVORABLE TO LANDSCAPE CONSTRUCTION AND TO THE HEALTH AND WELFARE OF PLANTS. THE SUITABILITY OF SUCH WEATHER CONDITIONS SHALL BE DETERMINED BY THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL.
- IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, BEFORE ORDERING OR PURCHASING MATERIALS, TO PROVIDE SAMPLES OF THOSE MATERIALS TO THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL FOR APPROVAL, IF SO REQUESTED.
- IF SAMPLES ARE REQUESTED, THE LANDSCAPE CONTRACTOR IS TO SUBMIT CERTIFICATION TAGS FROM TREES, SHRUBS AND SEED VERIFYING TYPE AND PURITY.
- UNLESS OTHERWISE AUTHORIZED BY THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL, THE LANDSCAPE CONTRACTOR SHALL PROVIDE NOTICE AT LEAST FORTY-EIGHT HOURS (48 HRS) IN ADVANCE OF THE ANTICIPATED DELIVERY DATE OF ANY PLANT MATERIALS TO THE PROJECT SITE. A LEGIBLE COPY OF THE INVOICE, SHOWING VARIETIES AND SIZES OF MATERIALS INCLUDED FOR EACH SHIPMENT SHALL BE FURNISHED TO THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL.
- THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL RESERVES THE RIGHT TO INSPECT AND REJECT PLANTS AT ANY TIME AND AT ANY PLACE.
- EXCESS SNOW THAT CANNOT BE ACCOMMODATED WITHIN THE SNOW DUMP AREAS MUST BE REMOVED FROM THE SITE.

SOIL PREPARATION AND MULCH NOTES:

- LANDSCAPE CONTRACTOR SHALL OBTAIN A SOIL TEST OF THE IN-SITU TOPSOIL BY A CERTIFIED SOIL LABORATORY PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL ALLOW FOR A TWO WEEK TURNAROUND TIME FROM SUBMITTAL OF SAMPLE TO NOTIFICATION OF RESULTS.
- BASED ON SOIL TEST RESULTS, RATES OF LIME AND FERTILIZER THAT WILL BE MIXED INTO THE TOP SIX INCHES (6") OF TOPSOIL. THE LIME AND FERTILIZER RATES PROVIDED WITHIN THE "SEED SPECIFICATION" OR "SOD SPECIFICATION" IS APPROXIMATE AND FOR BIDDING PURPOSES ONLY. IF ADDITIONAL AMENDMENTS ARE NECESSARY, ADJUST THE TOPSOIL AS FOLLOWS:
 - MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM.
 - MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
- TOPSOIL SHALL BE FERTILE, FRAGILE, NATURAL TOPSOIL OF LOAMING CHARACTER, WITHOUT ADMIXTURE OF SUBSOIL MATERIAL OBTAINED FROM A WELL-DRAINED ARABLE SITE, FREE FROM ALL CLAY, LUMPS, COARSE SANDS, STONES, PLANTS, ROOTS, STICKS, AND OTHER FOREIGN MATERIAL GREATER THAN ONE INCH (1").
- TOPSOIL SHALL HAVE A PH RANGE OF 5.0-7.0 AND SHALL NOT CONTAIN LESS THAN 6% ORGANIC MATTER BY WEIGHT.
- OBTAIN TOPSOIL ONLY FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT FOUND AT THE PROJECT SITE.
- CONTRACTOR SHALL PROVIDE A SIX INCH (6") DEEP LAYER OF TOPSOIL IN ALL PLANTING AREAS. TOPSOIL SHALL BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN SOIL CONDITIONS.
- UNLESS OTHERWISE NOTED IN THE CONTRACT, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRAING WITHIN THE DISTURBED AREA OF THE SITE.
- LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE SUB-GRADE ELEVATION MEETS THE FINISHED GRADE ELEVATION (LESS THE REQUIRED TOPSOIL), IN ACCORDANCE WITH THE APPROVED OR FINAL GRADING PLAN.
- ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN ANNUAL UNIFORM PLANE WITH NO ABRUPT CHANGE OF GRADE AS DEPICTED WITHIN THE APPROVED OR FINAL CONSTRUCTION SET UNLESS OTHERWISE DIRECTED BY THE PROJECT LANDSCAPE DESIGNER OR MUNICIPAL OFFICIAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SURFACE AND SUBSURFACE PLANT BED DRAINAGE PRIOR TO THE INSTALLATION OF PLANTINGS. IF POOR DRAINAGE CONDITIONS EXIST, CORRECTIVE ACTION SHALL BE TAKEN PRIOR TO INSTALLATION. ALL PLANTING AND LAWN AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW A FREE FLOW OF SURFACE WATER.
- DOUBLE SHREDDED HARDWOOD MULCH OR APPROVED EQUAL SHALL BE USED AS A THREE INCH (3") TOP DRESSING IN ALL SHRUB PLANTING BEDS AND AROUND ALL TREES PLANTED BY LANDSCAPE CONTRACTOR. GROUND COVER, PERENNIAL, AND ANNUAL PLANTING BEDS SHALL BE MULCHED WITH A TWO INCH (2") TOP DRESSING. SINGLE TREES OR SHRUBS SHALL BE MULCHED TO AVOID CONTACT WITH TRUNK OR PLANT STEM. MULCH SHALL BE OF SUFFICIENT CHARACTER AS NOT TO BE EASILY DISPLACED BY WIND OR WATER RUNOFF.
- WHENEVER POSSIBLE, THE SOIL PREPARATION AREA SHALL BE CONNECTED FROM PLANTING TO PLANTING.
- SOIL SHALL BE LOOSENED WITH A BACKHOE OR OTHER LARGE COARSE-TILING EQUIPMENT UNLESS THE SOIL IS FROZEN OR EXCESSIVELY WET. TILING THAT PRODUCES LARGE, COARSE CHUNKS OF SOIL IS PREFERABLE TO TILING THAT RESULTS IN FINE GRASS UNIFORM IN TEXTURE. AFTER THE AREA IS LOOSENED IT SHALL NOT BE DRIVEN OVER BY ANY VEHICLE.
- APPLY PRE-EMERGENT WEED CONTROL TO ALL PLANT BEDS PRIOR TO MULCHING. ENSURE COMPATIBILITY BETWEEN PRODUCT AND PLANT MATERIAL.
- ALL PLANTING-SOIL SHALL BE AMENDED WITH THE FOLLOWING:

PLANT QUALITY AND HANDLING NOTES: REVISED 2/16/2015

- ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004) OR LATEST REVISION AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
- IN ALL CASES, BOTANICAL NAMES LISTED WITHIN THE APPROVED OR FINAL PLANT LIST SHALL TAKE PRECEDENCE OVER COMMON NAMES.
- ALL PLANTS SHALL BE OF SELECTED SPECIMEN QUALITY, EXCEPTIONALLY HEAVY, TIGHTLY KNIT, SO TRAINED OR FAVORED IN THEIR DEVELOPMENT AND APPEARANCE AS TO BE SUPERIOR IN FORM, NUMBER OF BRANCHES, COMPACTNESS AND SYMMETRY. ALL PLANTS SHALL HAVE A NORMAL HABIT OR SOUND, HEALTHY, VIGOROUS PLANTS WITH WELL DEVELOPED ROOT SYSTEM. PLANTS SHALL BE FREE OF DISEASE, INSECT PESTS, EGGS OR LARVAE.
- PLANTS SHALL NOT BE PRUNED BEFORE DELIVERY. TREES WITH ABRASION OF THE BARK, SUNSCALDS, DISFIGURING KNOTS OR FRESH CUTS OF LIMBS OVER ONE AND ONE-FOURTH INCHES (1-1/4") WHICH HAVE NOT COMPLETELY CALLOUSED SHALL BE REJECTED.
- ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH AND BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE.
- THE ROOT SYSTEM OF EACH PLANT SHALL BE WELL PROVIDED WITH FIBROUS ROOTS. ALL PARTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL-DEVELOPED AND GENSELY COLICATED WHEN IN LEAF.
- ALL PLANTS DESIGNATED BALL AND BURLAP (B&B) MUST BE MOVED WITH THE ROOT SYSTEM AS SOLID UNITS WITH BALLS OF EARTH FIRMLY WRAPPED WITH BURLAP. THE DIAMETER AND DEPTH OF THE BALLS OF EARTH MUST BE SUFFICIENT TO ENCOMPASS THE FIBROUS ROOT FEEDING SYSTEMS NECESSARY FOR THE HEALTHY DEVELOPMENT OF THE PLANT. NO PLANT SHALL BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN BADLY CRACKED OR BROKEN PREPARATORY TO OR DURING THE PROCESS OF PLANTING. THE BALLS SHALL REMAIN INTACT DURING ALL OPERATIONS. ALL PLANTS THAT CANNOT BE PLANTED AT ONCE MUST BE HELED-IN BY SETTING IN THE GROUND AND COVERING THE BARK WITH SOIL OR MULCH AND THEN WATERING. HEMP BURLAP AND TWINE IS PREFERABLE TO TREATED BURLAP IF USED, ALL TWINE IS TO BE CUT FROM AROUND THE TRUNK AND ALL BURLAP IS TO BE REMOVED.
- PLANTS TRANSPORTED TO THE PROJECT IN OPEN VEHICLES SHALL BE COVERED WITH TARPS OR OTHER SUITABLE COVERS SECURELY FASTENED TO THE BODY OF THE VEHICLE TO PREVENT INJURY TO THE PLANTS. CLOSED VEHICLES SHALL BE ADEQUATELY VENTILATED TO PREVENT OVERHEATING OF THE PLANTS. EVIDENCE OF INADEQUATE PROTECTION FOLLOWING DIGGING, CARELESSNESS WHILE IN TRANSIT, OR IMPROPER HANDLING OR STORAGE SHALL BE CAUSE FOR REJECTION OF MOST FRESHLY ARRIVED PLANTS. SUCH PROTECTION SHALL ENCOMPASS THE ENTIRE PERIOD DURING WHICH THE PLANTS ARE IN TRANSIT, BEING HANDLED, OR ARE IN TEMPORARY STORAGE.
- ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE CORRESPONDING LANDSCAPE PLAN AND PLANTING DETAILS.
- LANDSCAPE CONTRACTOR SHALL MAKE BEST EFFORT TO INSTALL PLANTINGS ON THE SAME DAY AS DELIVERY. IF PLANTS ARE NOT PLANTED IMMEDIATELY ON SITE, PROPER CARE SHALL BE TAKEN TO PLACE THE PLANTINGS IN PARTIAL SHADE. THE ROOT BALL SHALL BE KEPT MOIST AT ALL TIMES AND COVERED WITH MULCH OR AGED WOODCHIPS. PROPER IRRIGATION SHALL BE SUPPLIED SO AS TO NOT ALLOW THE ROOT BALL TO DRY OUT. PLANTINGS SHALL BE UNTIED AND PROPER SPACING SHALL BE ALLOTTED FOR AIR CIRCULATION AND TO PREVENT DISEASE, WILTING, AND LEAF LOSS. PLANTS THAT REMAIN UNPLANTED FOR A PERIOD OF TIME GREATER THAN THREE (3) DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH AND WATERED AS REQUIRED TO PRESERVE ROOT MOISTURE.
- NO PLANT MATERIAL SHALL BE PLANTED IN MUDDY OR FROZEN SOIL.
- PLANTS WITH INJURED ROOTS OR BRANCHES SHALL BE REMOVED PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY DISEASED OR INJURED PLANTS SHALL BE REMOVED.
- IF ROCK OR OTHER UNDERGROUND OBSTRUCTION IS ENCOUNTERED, THE LANDSCAPE DESIGNER RESERVES THE RIGHT TO RELOCATE OR ENLARGE PLANTING PITS OR DELETE PLANT MATERIAL FROM THE CONTRACT.
- IF PLANTS ARE PROPOSED WITHIN SIGHT TRIANGLES, TREES SHALL BE LIMBED AND MAINTAINED TO A HEIGHT OF SEVEN FEET (7') ABOVE GRADE, AND SHRUBS, GROUND COVER, PERENNIALS, AND ANNUALS SHALL BE MAINTAINED TO A HEIGHT NOT TO EXCEED TWO FEET (2') ABOVE GRADE UNLESS OTHERWISE NOTED OR SPECIFIED BY THE GOVERNING MUNICIPALITY OR AGENCY.
- INSTALLATION SHALL OCCUR DURING THE FOLLOWING SEASONS:
 - PLANTS (MARCH 15 - DECEMBER 15)
 - LAWNS (MARCH 15 - JUNE 15 OR SEPTEMBER 1 - DECEMBER 1)
- THE FOLLOWING TREES ARE SUSCEPTIBLE TO TRANSPANT SHOCK AND SHALL NOT BE PLANTED DURING THE FALL SEASON (STARTING SEPTEMBER 15):

ABIES CONCOLOR	CORNUS VARIETES	Ostrya virginiana
ACER BURGERSII	CORNUS FLORIDA	PLATANUS VARIETES
ACER FREEMANII	CUPRESSOCYPARIS LEYLANDII	FAGUS VARIETES
ACER RUBRUM	HELESA VARIETES	PRUNUS VARIETES
ACER SACCHARINUM	ILEX X FOSTERI	BETULA VARIETES
ALNUS VARIETES	ILEX NELLIE STEVENS	QUERCUS VARIETES (NOT Q. PALUSTRIS)
CARPINUS VARIETES	CELRUS DODDARA	SALIX WEEPING VARIETES
CELRUS DODDARA	CELTIS VARIETES	SORBUS VARIETES
CERCIDIPHYLLUM VARIETES	CERCIDIPHYLLUM VARIETES	KOELREUTERIA PANICULATA
CORNUS CANADENSIS	CORNUS VARIETES	LIQUIDAMBAR VARIETES
CORNUS VARIETES	CORNUS VARIETES	LIRIODENDRON VARIETES
CRATAEGUS VARIETES	CRATAEGUS VARIETES	MALUS PARIQUOLA VARIETES
		NYSSA SYLVATICA

- IF A PROPOSED PLANT IS UNATTAINABLE OR ON THE FALL DIGGING HAZARD LIST, AN EQUIVALENT SPECIES OF THE SAME SIZE MAY BE REQUESTED FOR SUBSTITUTION OF THE ORIGINAL PLANT, ALL SUBSTITUTIONS SHALL BE APPROVED BY THE PROJECT LANDSCAPE DESIGNER OR MUNICIPAL OFFICIAL PRIOR TO ORDERING AND INSTALLATION.
- DURING THE COURSE OF CONSTRUCTION/PLANT INSTALLATION, EXCESS AND WASTE MATERIALS SHALL BE CONTINUOUSLY AND PROMPTLY REMOVED AT THE END OF EACH WORK DAY. ALL DEBRIS, MATERIALS, AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF AND ALL PAVED AREAS SHALL BE CLEANED.
- THE LANDSCAPE CONTRACTOR SHALL DISPOSE OF ALL RUBBISH AND EXCESS SOIL AT HIS EXPENSE TO AN OFF-SITE LOCATION AS APPROVED BY THE LOCAL MUNICIPALITY.
- A 90-DAY MAINTENANCE PERIOD SHALL BEGIN IMMEDIATELY AFTER ALL PLANTS HAVE BEEN SATISFACTORILY INSTALLED.
- MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, REPLACING MULCH THAT HAS BEEN DISPLACED BY EROSION OR OTHER MEANS, REPAIRING AND RESHAPING WATER RINGS OR SAUCERS, MAINTAINING STAKES AND GYPS IF ORIGINALLY REQUIRED, WEEDING, PRUNING, SPRAYING, EXERCISING, MOWING THE LAWN, AND PERFORMING ANY OTHER WORK REQUIRED TO KEEP THE PLANTS IN A HEALTHY CONDITION.
- ALL GRASS AREAS AT REGULAR INTERVALS TO KEEP THE GRASS HEIGHT FROM EXCEEDING THREE INCHES (3"). MOWING SHALL BE PERFORMED ONLY WHEN GRASS IS DRY. MOWER BLADE SHALL BE SET TO REMOVE NO MORE THAN ONE THIRD (1/3) OF THE GRASS LENGTH. WHEN THE AMOUNT OF GRASS IS HEAVY, IT SHALL BE REMOVED TO PREVENT DESTRUCTION OF THE UNDERLYING TURF. MOW GRASS AREAS IN SUCH A MANNER AS TO PREVENT CLIPPINGS FROM BLOWING ON PAVED AREAS, AND SIDEWALKS. CLEANUP AFTER MOWING SHALL INCLUDE SWEEPING OR BLOWING OF PAVED AREAS AND SIDEWALKS TO CLEAR THEM FROM MOWING DEBRIS.
- GRASSED AREAS DAMAGED DURING THE PROCESS OF THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL RESTORE THE DISTURBED AREAS TO A CONDITION SATISFACTORY TO THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIAL, OR OWNER/OWNER'S REPRESENTATIVE. THIS MAY INCLUDE FILLING TO GRADE, FERTILIZING, SEEDING, AND MULCHING.
- SHOULD THE OWNER REQUIRE MAINTENANCE BEYOND THE STANDARD 90-DAY MAINTENANCE PERIOD, A SEPARATE CONTRACT SHALL BE ESTABLISHED.
- LANDSCAPE CONTRACTOR SHALL WATER NEW PLANTINGS FROM TIME OF INSTALL AND THROUGHOUT REQUIRED 90-DAY MAINTENANCE PERIOD UNTIL PLANTS ARE ESTABLISHED. IF ON-SITE WATER IS NOT AVAILABLE AT THE PROJECT LOCATION, THE LANDSCAPE CONTRACTOR SHALL FURNISH IT BY MEANS OR A WATERING TRUCK OR OTHER ACCEPTABLE MANNER.
- THE QUANTITY OF WATER APPLIED AT ONE TIME SHALL BE SUFFICIENT TO PENETRATE THE SOIL TO A MINIMUM OF EIGHT INCHES (8") IN SHRUB BEDS AND SIX INCHES (6") IN TURF AREAS AT A RATE WHICH WILL PREVENT SATURATION OF THE SOIL.
- IF AN AUTOMATIC IRRIGATION SYSTEM HAS BEEN INSTALLED, IT CAN BE USED FOR WATERING PLANT MATERIAL. HOWEVER, FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY OF PLANT HEALTH AND ESTABLISHMENT.

PLANT SELECTION

THE ROLE OF PLANTS IN ALL STORM WATER MANAGEMENT FACILITIES IS TO PREVENT EROSION AND SLOW WATER MOVEMENT, HOLD OR CONVERT POLLUTANTS, ENHANCE INFILTRATION AND EVAPOTRANSPIRATION, AND ENCOURAGE WILDLIFE. THE DESIGNER CAN SELECT PLANT SPECIES OR MIXES THAT MEET THE CRITICAL OBJECTIVES AND EXTREME CONDITIONS UNDER WHICH PLANTS MUST SURVIVE. NATIVE GRASSES ESTABLISH RAPIDLY, WITH FIBROUS ROOT SYSTEMS THAT TOLERATE FAST-MOVING WATER. HERBACEOUS SPECIES PLAY THE ROLE OF ADDING AESTHETICS, TEXTURE, AND PROVIDING WILDLIFE FOOD AND HABITAT. WOODY SPECIES ASSIST IN EVAPOTRANSPIRATION, WHILE PREVENTING EROSION.

GENERAL MAINTENANCE

IN ADDITION TO STRUCTURAL MAINTENANCE, SILTATION NEEDS TO BE REMOVED AS NEEDED. PLANTS NEED TO BE TRIMMED BACK TO MAINTAIN AESTHETIC VALUE AND INVASIVE SPECIES NEED TO BE CONTROLLED. CLOSE MOWING OR EXTENSIVE CHEMICAL USE IS NOT CONDUCTIVE TO WATER QUALITY IMPROVEMENT AND WILDLIFE HABITAT.

SITE PREPARATION

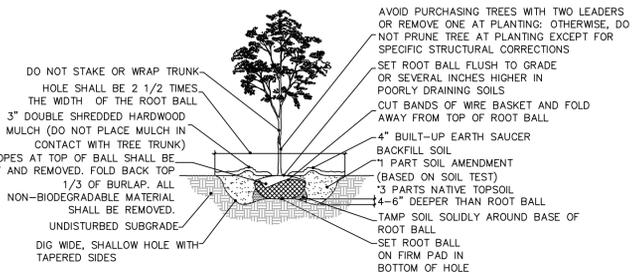
INVASIVE SPECIES, PARTICULARLY THOSE THAT WILL ADAPT TO WET CONDITIONS, SHOULD BE REMOVED OR SPRAYED BEFORE THEY BECOME INCORPORATED INTO THE SITE. NORMAL VEGETATION CAN BE WORKED INTO THE TOPSOIL, WHICH SHOULD BE STOCKPILED UNTIL THE FINAL GRADE HAS BEEN ESTABLISHED. WITH THE ENGINEER'S SPECIFICATIONS AND DIMENSIONS IN HAND, ON-SITE CONSTRUCTION OF THE BERM AND OUTLETS MUST BE EXECUTED CAREFULLY IN ORDER TO MAINTAIN STRUCTURAL INTEGRITY. THE INFILTRATION AND PLANT GROWTH AREAS SHOULD BE LOOSE AND FRAGILE, HIGH IN ORGANIC MATTER, AND COMPLETED WITHOUT COMPACTIONS FROM HEAVY EQUIPMENT. BY USING THE "DIG AND DROP" METHOD, ONE CAN USE AN EXCAVATOR TO DIG AND DROP EACH AREA OF THE BOTTOM SOIL IN A LOOSE MANNER. AT THIS POINT, ONE CAN INCORPORATE LIME, COMPOSTED LEAVES, AND/OR CRASS CLIPPINGS INTO THE EXCAVATION MACHINE. DOES NOT MOVE OVER THE FINISHED SURFACE, THUS AVOIDING UNNECESSARY COMPACTION. NATIVE VEGETATION CAN BE PLANTED OR SEEDED OVER THIS VEGETATION, ABSORBENT SURFACE.

SEEDING AND PLANTING METHODS

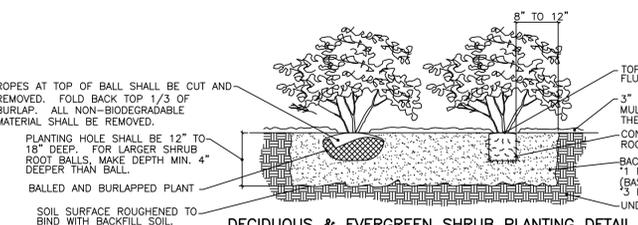
SEEDING AND PLANTING SHOULD BEGIN IMMEDIATELY UPON COMPLETION OF THE STRUCTURE WHEN THE SOIL IS STILL FRAGILE AND BEFORE INVASIVE WEEDS EMERGE. PLAN SEEDING AND PLANTING BEFORE THE BASIN IS FLOODED, OR ALLOW THE BASIN TO DRAIN TO A FEW INCHES. SEEDING, BROADCAST SEED EVENLY OVER EACH UNIT BY HAND SEEDING OR HYDROSEEDING. SEEDING RATES ARE GENERALLY LOW (1/2 LB PER 1,000 SQ FT) THE USE OF A SEED FILER, I.E., PAM-12, CAN BE USED TO CREATE A MIX OF 10 LB PER 1,000 SQ FT (I.E., 9-1/2 LB OF PAM-12 MIXED WITH 1/2 LB OF SEED), WHICH CAN BE BROADCAST EVENLY OVER THE AREA. BIRD FEEDERS, OR RYE CAN PROVIDE TEMPORARY VEGETATION TO PROTECT THE SOIL IN STORM WATER MANAGEMENT FACILITIES UNTIL PERMANENT VEGETATION CAN BE ESTABLISHED. THE USE OF NATIVE SPECIES, IRONICALLY, CAN BE USED TO CONTROL EROSION AND PROTECT EMERGING SEEDLINGS FROM EXCESS TEMPERATURES AND DRYING OUT. MULCH SHOULD BE SPARSE TO ALLOW SUNLIGHT TO REACH THE GROUND, TRANSPANTED SEEDLINGS AND SHRUBS NEED TEMPORARY WATER UNTIL THEY BECOME WELL ROOTED. IRRIGATION OF SEEDED AREAS IS OF VALUE UNTIL SEEDLINGS BECOME ESTABLISHED.

NOTES:

- FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
- THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
- SOIL AMENDMENTS:
 - MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM
 - MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX



DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE



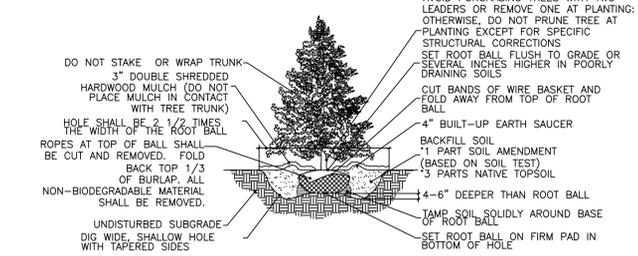
DECIDUOUS & EVERGREEN SHRUB PLANTING DETAIL
NOT TO SCALE

NOTES:

- THOROUGHLY SOAK THE GROUND COVER ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
- SOIL AMENDMENTS:MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX
- ALL GROUND COVER AREAS SHALL BE TREATED WITH A PRE-EMERGENT PER MANUFACTURER'S SPECIFICATIONS

NOTES:

- FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
- THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
- SOIL AMENDMENTS:
 - MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM
 - MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX

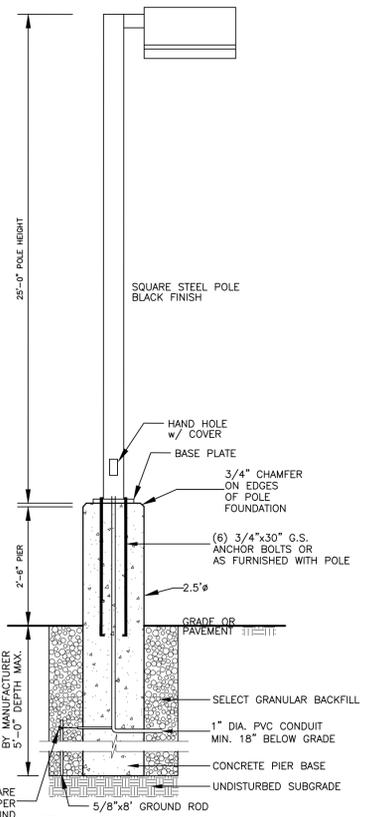


EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE

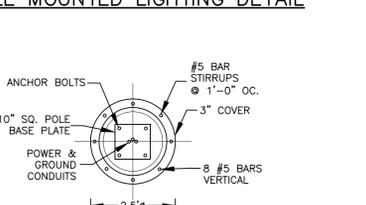
SPACING CHART NOT TO SCALE	SPACING "D"	ROW "A"
	6" O.C.	5.20"
	8" O.C.	6.93"
	10" O.C.	8.66"
	12" O.C.	10.40"
	15" O.C.	13.00"
	18" O.C.	15.60"
	24" O.C.	20.80"
	30" O.C.	26.00"
	36" O.C.	30.00"



GROUND COVER/PERENNIAL/ANNUAL PLANTING DETAIL
NOT TO SCALE



POLE MOUNTED LIGHTING DETAIL



POLE FOUNDATION DETAIL
NOT TO SCALE

LIGHTING PLAN NOTES

- ALL EXTERIOR LUMINAIRES SHALL BE PULSE START METAL HALIDE OR LED SEVERE FULL CUT OFF TYPE UNITS WITH A FLAT GLASS LENS ATTACHED TO A POLE OR BUILDING ON A FIXED ARM OR WALL MOUNT WITH THE FLAT GLASS LENS ORIENTED PARALLEL TO THE GROUND. CERTAIN CIRCUMSTANCES MAY REQUIRE APPROVAL OF OTHER TYPE LIGHT LUMINAIRES. AVERAGE MAINTAINED ILLUMINATION LEVELS SHALL BE BETWEEN THREE-QUARTERS (0.75) TO FIVE (5) FOOT-CANDELES AT THE GROUND. MINIMUM MAINTAINED FOOT-CANDLE LEVELS SHALL EXCEED 0.1 FOOT-CANDLE.
- ALL LIGHTING FIXTURE SUBSTITUTIONS AND OR CHANGES TO LIGHTING FIXTURES, FIXTURE LOCATION AND TO FIXTURE ORIENTATION MUST BE SUBMITTED TO AND APPROVED IN ACCORDANCE WITH THE ABOVE.

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REVISION	BY	DATE	DESCRIPTION
2.	MM	8/26/19	REVISIONS PER 3/25/19 FUSCO COMMENT LETTER & 3/29/19 KALA COMMENT LETTER
1.	MM	8/9/19	REVISIONS PER NYSDC WETLAND DELINEATION

THIS SHEET IS NOT VALID WITHOUT ALL OF THE SHEETS THAT COMPRISE THE SET

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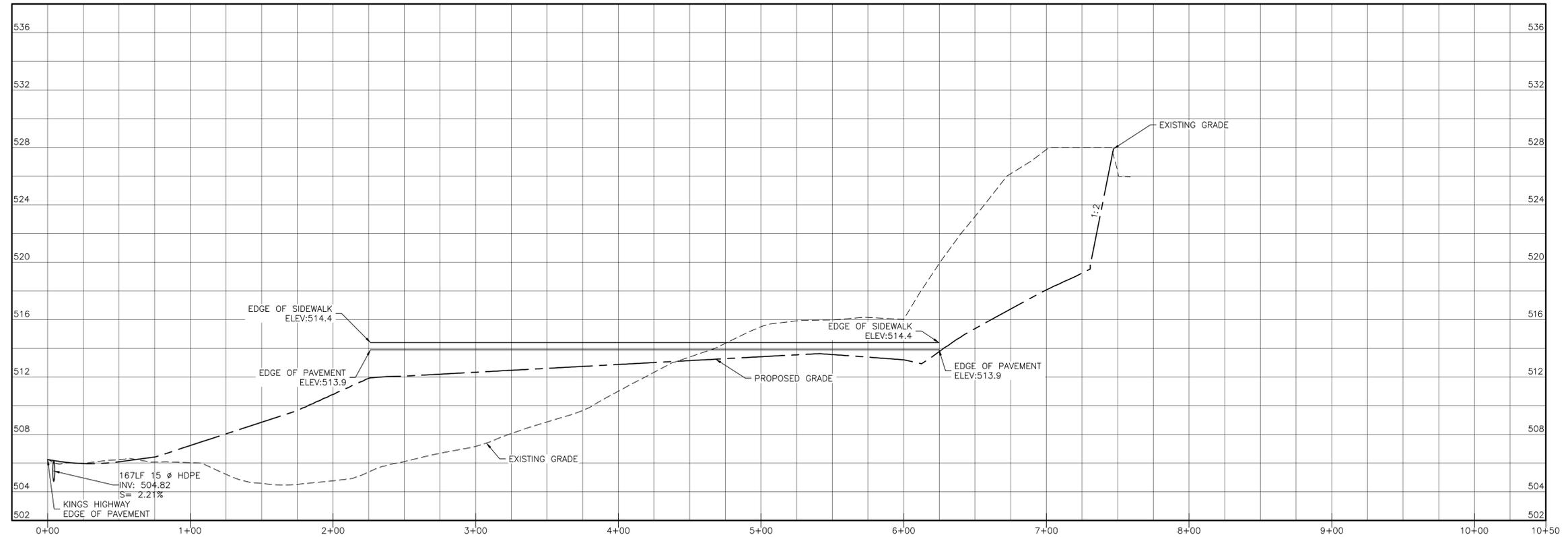
LIGHTING & LANDSCAPING DETAILS

JOB#: 18-029
SCALE: AS NOTED
DATE: 3/15/19
DRAWN: MM
CHECKED: MM
SHEET NO: 10 of 20

MICHAEL A. MORGANTTE, P.E.
Lic. No. 78577

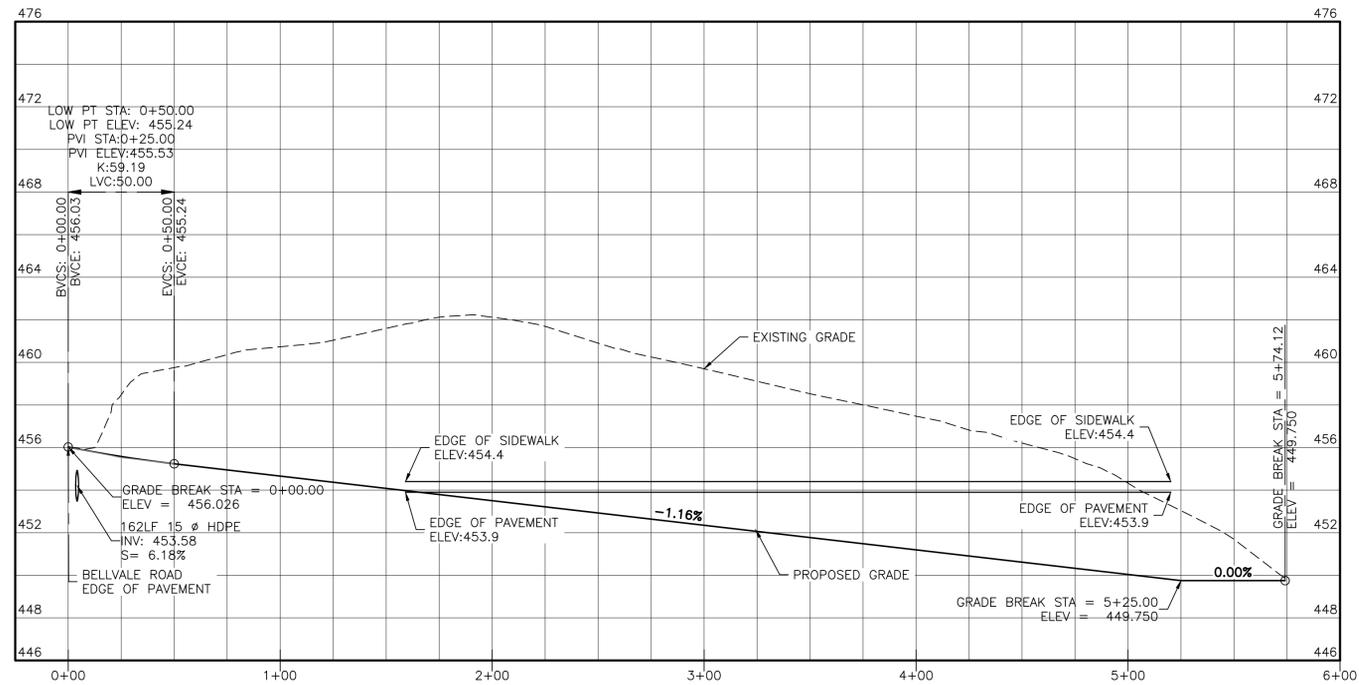
STANDARD COUNTY NOTE:

- NO SITE PREPARATION ION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL BE CONDUCTED WITHIN A VALID HIGHWAY BARRICADE PERMIT HAS BEEN SECURED FROM THE RANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW



DRIVEWAY PROFILE BUILDING 1

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



DRIVEWAY PROFILE BUILDING 2

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



REVISION	BY	DATE	DESCRIPTION
4.	MM	4/24/20	REVISIONS PER 4/10/20 OCDPW COMMENT LETTER
3.	MM	8/26/19	REVISIONS PER 3/25/19 FUSCO COMMENT LETTER & 3/29/19 KALA COMMENT LETTER
2.	MM	8/9/19	REVISIONS PER NYSDEC WETLAND DELINEATION
1.	MM	3/15/19	REVISIONS PER 1/28/19 FUSCO COMMENT LETTER

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SUBDIVISION & SITE PLAN FOR
1251 KINGS HWY LLC
1251 KINGS HWY
CHESTER, NY 10918

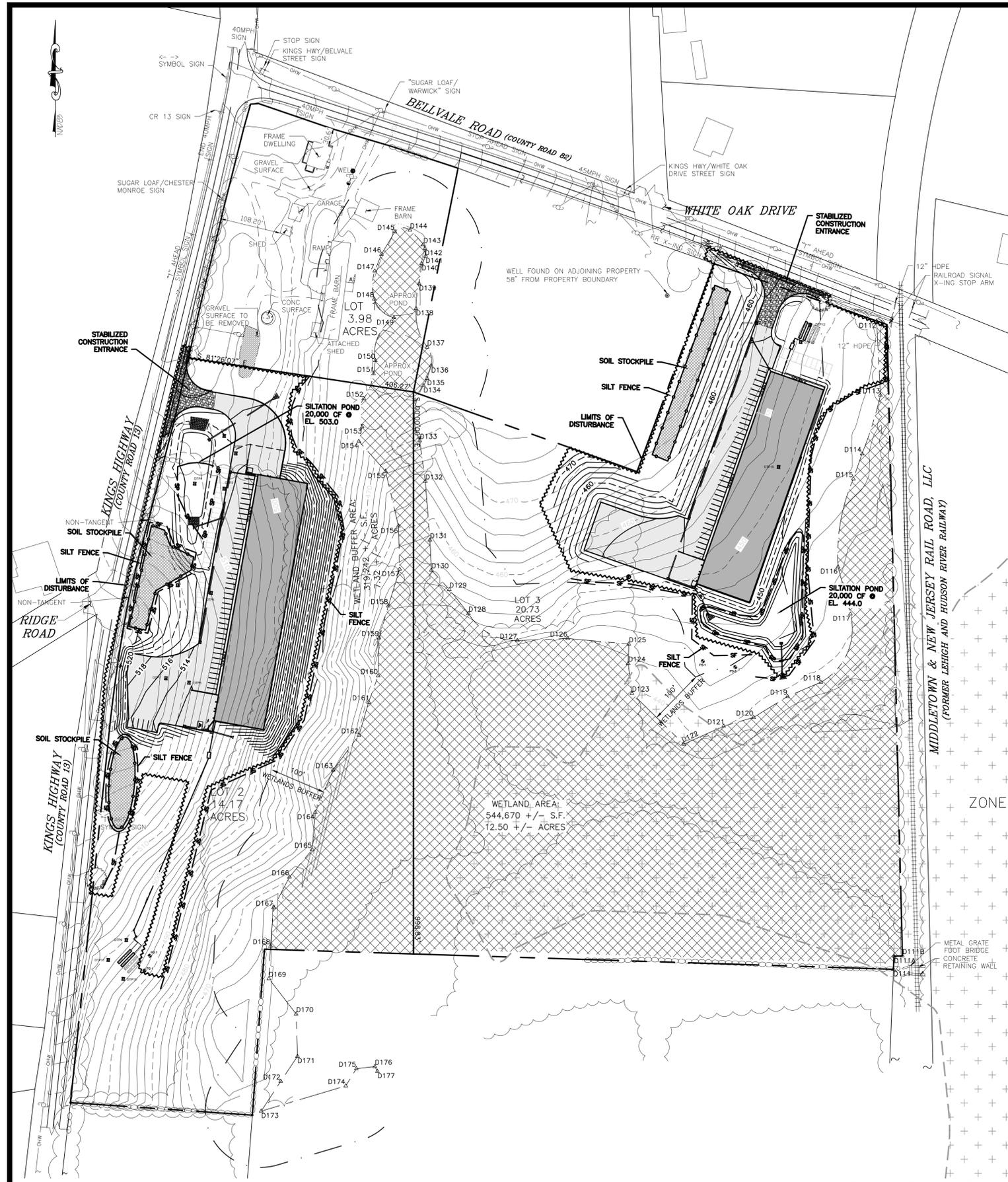
ROAD PROFILES

JOB#: 18-029
SCALE: AS NOTED
DATE: 1/21/19
DRAWN: MM
CHECKED: MM
SHEET NO. 11 of 20

STATE OF NEW YORK
MICHAEL A. MORGAN
LICENSED PROFESSIONAL ENGINEER
078577
MICHAEL A. MORGAN, P.E.
LIC. NO. 78577

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LEGEND:

[Symbol]	EXISTING BUILDING	[Symbol]	PROPOSED BUILDING
[Symbol]	EXISTING WATER EDGE	[Symbol]	PROPOSED EDGE OF PAVEMENT
[Symbol]	EXISTING WETLANDS BUFFER	[Symbol]	PROPOSED MAJOR CONTOUR
[Symbol]	EXISTING EDGE OF PAVEMENT	[Symbol]	PROPOSED MINOR CONTOUR
[Symbol]	EXISTING YELLOW LINE	[Symbol]	PROPOSED DRAINAGE CATCHBASIN
[Symbol]	EXISTING WHITE LINE	[Symbol]	PROPOSED DRAINAGE PIPE
[Symbol]	EXISTING OVERHEAD WIRE	[Symbol]	PROPOSED BAYFILTER
[Symbol]	EXISTING PROPERTY LINE	[Symbol]	PROPOSED TRENCH DRAIN
[Symbol]	EXISTING ADJACENT PROPERTY LINE	[Symbol]	PROPOSED FLARED END SECTION
[Symbol]	EXISTING STONE WALL	[Symbol]	PROPOSED SEWER LINE
[Symbol]	EXISTING MAJOR CONTOUR	[Symbol]	PROPOSED SEWER CLEANOUT
[Symbol]	EXISTING MINOR CONTOUR	[Symbol]	PROPOSED SEPTIC TANK
[Symbol]	EXISTING DRAINAGE LINE	[Symbol]	PROPOSED DISTRIBUTION BOX
[Symbol]	EXISTING WETLAND	[Symbol]	PROPOSED RIPRAP
[Symbol]	EXISTING TREELINE	[Symbol]	PROPOSED PROPERTY LINE
[Symbol]	EXISTING GUY	[Symbol]	DEEP TESTS
[Symbol]	GRAVEL SURFACE TO BE REMOVED	[Symbol]	EXISTING FLOOD ZONE
[Symbol]	EXISTING RAILROAD SIGNAL X-ING STOP ARM	[Symbol]	LIMIT OF DISTURBANCE
[Symbol]	PERCOLATION TEST	[Symbol]	PROPOSED SILT FENCE
[Symbol]	EXISTING WELL	[Symbol]	PROPOSED SOIL STOCKPILE
[Symbol]	EXISTING LIGHT POLE	[Symbol]	PROPOSED SILTATION POND
[Symbol]	EXISTING IRON PIPE MARKER	[Symbol]	STABILIZED CONSTRUCTION ENTRANCE
[Symbol]	EXISTING IRON ROD MARKER		
[Symbol]	EXISTING SIGN		
[Symbol]	PROPOSED WELL		

BEST MANAGEMENT PRACTICES FOR SITE FACILITY MAINTENANCE
 THE OWNER WILL BE RESPONSIBLE FOR THE MAINTENANCE AND OPERATION OF ALL SITE RELATED FACILITIES, INCLUDING THE STORM WATER SEDIMENT AND DETENTION BASINS AND THE FOLLOWING MEASURES AND/OR STRUCTURES, AS APPLICABLE AND SHOWN ON THE PLANS:

WATER QUALITY INLETS
 1. WATER QUALITY INLETS SHALL BE CLEANED OUT AT LEAST TWICE A YEAR TO REMOVE POLLUTANTS. REMOVED MATERIAL SHOULD BE TAKEN TO A TREATMENT PLANT OR APPROVED LANDFILL FOR DISPOSAL.
 2. STORM WATER INLETS THROUGHOUT THE SITE SHALL BE INSPECTED ANNUALLY FOR ACCUMULATED SEDIMENT OR OTHER PROBLEMS AND REPAIRED AS NECESSARY.

PARKING AND ROADWAY PAVEMENTS
 1. PARKING AREA AND ROADWAY PAVEMENTS SHALL BE SWEEPED ON A REGULAR BASIS TO REMOVE ACCUMULATED SEDIMENT. COLLECTED SEDIMENT SHALL BE REMOVED TO AN APPROVED DISPOSAL SITE WHICH WILL NOT ALLOW THE RE-ENTRANCE OF SILT INTO THE STORM WATER DRAINAGE SYSTEM.

VEGETATIVE STABILIZATION
 1. ALL VEGETATIVE PLANTING ON AREAS WHICH HAVE BEEN DISTURBED AND ARE FINISH GRADED SHALL BE INSPECTED AFTER EACH RAIN EVENT. PLANTING (OR SEEDING) SHALL BE MAINTAINED IN A VIABLE CONDITION TO STABILIZE THE SOIL AND TO PREVENT SOIL EROSION. RESTORE ALL SITE PLANTING AND/OR SEEDING WHICH HAS BEEN DAMAGED TO A VIABLE CONDITION.
 2. IF VEGETATIVE STABILIZATION HAS BEEN DAMAGED FROM STORM WATER EROSION, CORRECT UPSTREAM CONDITIONS WHICH CAUSED THE EROSION. CHECK UP WITH SEDIMENT TRAPS, BARRIERS, AND FILTERS AS NECESSARY. STONE OUTFALL APRONS MAY BE REQUIRED TO BE REPAIRED AT STORM WATER OUTFALLS.

CONSTRUCTION ACTIVITY
 1. CONSTRUCTION ACTIVITIES WILL OCCUR DURING WEEKDAYS COMMENCING AT 7:00 AM AND TERMINATING AT 6:00 PM

EROSION AND SEDIMENT CONTROL NOTES:
 1. GRADED AREAS - UPPER ELEVATIONS: PROVIDE TEMPORARY DRAINAGE SWALES, 1% GRADE MIN., TO DIRECT RUNOFF AWAY FROM CONSTRUCTION SITES. DISCHARGE AREAS AND ENERGY DISPERSION REQUIREMENTS TO BE ACCEPTABLE TO OWNER.
 2. GRADED AREAS - LOWER ELEVATIONS: PROVIDE DRAINAGE SWALES, 1% MIN. GRADES, WITH STAKED AND SECURED HAY BALE BERMS TO PREVENT DOWN STREAM AND DOWN GRADIENT SILTATION.

SEDIMENT & EROSION CONTROL NOTES & CONSTRUCTION SEQUENCING
 1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES FOR ALL ROAD AND DRIVE ENTRANCES. STREETS SHALL BE CLEANED DAILY.
 2. INSTALL SEDIMENT BARRIERS/SWALES/DITCHES/DIKES AT DOWN SLOPE AREAS FROM ALL PROPOSED GRADING OPERATIONS, AND INSTALL OTHER SEDIMENTATION AND EROSION CONTROL STRUCTURES OR MEASURES AS SHOWN ON THE DRAWINGS.
 3. LAND DISTURBANCE SHALL BE LIMITED TO ONLY THAT AREA NECESSARY FOR DEVELOPMENT. NO MORE THAN FIVE (5) ACRES OF UNPROTECTED SOIL SHALL BE DISTURBED AT ONE TIME. PREVIOUS EARTHWORK SHALL BE STABILIZED AS SPECIFIED BEFORE ADDITIONAL AREA IS EXPOSED.
 4. CLEAR EXISTING TREES AND VEGETATION FROM AREAS TO BE EXCAVATED OR FILLED, THEN STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE DISTURBED. SEED STOCKPILE TOPSOIL WITH TEMPORARY RYEGRASS COVER AS SPECIFIED BELOW (SEE NOTE B), AND ERECT A SILT FENCE AROUND THE STOCKPILE.
 5. PROTECT ALL TREES WHICH ARE TO REMAIN AND WHICH ARE IN OR NEAR CONSTRUCTION AREAS.
 6. PERFORM NECESSARY EXCAVATION OR FILL OPERATIONS TO BRING SITE TO DESIRED SUBGRADE.
 7. INSTALL SEDIMENT BARRIERS AROUND ALL STORM DRAIN INLETS, OR MODIFY SEDIMENT CONTROL MEASURES INSTALLED IN #2 ABOVE AND MAINTAIN UNTIL ALL DISTURBED AREAS ARE STABILIZED WITH VEGETATION AND ALL PAVEMENTS ARE PAVED WITH A BASE COURSE.
 8. TEMPORARILY SEED ALL DISTURBED AREAS WHICH WILL REMAIN UNDISTURBED FOR A PERIOD OF 15 DAYS OR MORE AND WHICH WILL NOT BE UNDER CONSTRUCTION WITHIN 30 DAYS IN ACCORDANCE WITH SPECIFICATION FOR VEGETATIVE ESTABLISHMENT.
 9. IF CONSTRUCTION IS SUSPENDED OR COMPLETED, ALL DISTURBED AREAS SHALL BE SEEDING AND MULCHED IMMEDIATELY. ALL SLOPES STEEPER THAN ONE ON THREE (V/H) AND PERIMETER TRENCHES AND TRAP EMBANKMENTS SHALL, ON COMPLETION, BE IMMEDIATELY STABILIZED WITH TEMPORARY SEEDING AND MULCHING.
 10. AFTER COMPLETION OF SITE CONSTRUCTION, FINE GRADE AND SPREAD TOPSOIL ON ALL LAWN AREAS AND SEED WITH PERMANENT LAWN MIX AS DISCUSSED ON THE SPECIFICATIONS FOR FOR VEGETATIVE ESTABLISHMENT ON THIS SHEET.
 11. DURING THE PROGRESS OF CONSTRUCTION, MAINTAIN ALL SEDIMENT TRAPS, BARRIERS, AND FILTERS AS NECESSARY TO PREVENT THEIR BEING CLOGGED UP WITH SEDIMENT.
 12. AFTER PAVEMENTS ARE INSTALLED AND PERMANENT VEGETATIVE COVER AND PLANTINGS ARE ESTABLISHED, REMOVE SEDIMENT BARRIERS AND SEED THOSE DISTURBED AREAS.
 13. MAINTAIN ALL SEEDING AND PLANTED AREAS TO INSURE A VIABLE STABILIZED VEGETATIVE COVER.
 14. STRUCTURAL MEASURES MUST BE MAINTAINED TO BE EFFECTIVE. IN GENERAL, THESE MEASURES MUST BE PERIODICALLY INSPECTED TO INSURE STRUCTURAL INTEGRITY, TO DETECT VANDALISM DAMAGE, AND FOR CLEANING AND REPAIR WHENEVER NECESSARY.
 15. DURING CONSTRUCTION, ALL STRUCTURES SHOULD BE INSPECTED WEEKLY AND AFTER EVERY RAIN. REMOVE ACCUMULATED SEDIMENT AND STOCKPILE AND STABILIZE IN AN AREA NOT SUBJECT TO FURTHER EROSION.
 16. AFTER CONSTRUCTION IS COMPLETED, PERMANENT SEDIMENT OR EROSION CONTROL STRUCTURES SHOULD BE INSPECTED AT LEAST SEMI-ANNUALLY AND AFTER EVERY RAIN.

SILTATION POND SIZING:

BUILDING 1:
 AREA OF DISTURBANCE = 5 ACRES = 18,000 CF
 (3,600 CF/ACRE DIST.) x 5 ACRES = 18,000 CF
 24,000 CF SILTATION POND PROVIDED

BUILDING 2:
 AREA OF DISTURBANCE = 5 ACRES = 18,000 CF
 (3,600 CF/ACRE DIST.) x 5 ACRES = 18,000 CF
 20,000 CF SILTATION POND PROVIDED

SPECIFICATIONS FOR VEGETATIVE ESTABLISHMENT:

- PERMANENT SEEDING:
 - SEEDBED PREPARATION: AREA TO BE SEEDING SHALL BE LOOSE AND FRIABLE TO A DEPTH OF AT LEAST 3 INCHES. THE TOP LAYER SHALL BE LOOSENED BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING OCCURS. FOR SITES LESS THAN 5 ACRES, APPLY 100 POUNDS OF DOLOMITIC LIMESTONE AND 21 POUNDS OF 10-20-20 FERTILIZER PER 1,000 SF. HARROW OR DISK LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF AT LEAST 3 INCHES ON SLOPES FLATTER THAN 3:1.
 - SEEDING: APPLY 5-6 POUNDS PER 1,000 SF OF SEED MIX BETWEEN FEBRUARY 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 31. APPLY SEED UNIFORMLY ON A MOIST FIRM SEEDBED WITH A CYCLONE SEEDER DRILL, CULTIPACKER SEEDER OR HYDROSEEDER (SLURRY INCLUDES SEEDS AND FERTILIZER, RECOMMENDED ON STEEP SLOPES ONLY). MAXIMUM SEED DEPTH SHOULD BE 1/4 INCH IN CLAYEY SOILS AND 1/2 INCH IN SANDY SOILS. WHEN USING OTHER THAN THE HYDROSEEDER METHOD, IRRIGATE IF SOIL MOISTURE IS DEFICIENT TO SUPPORT ADEQUATE GROWTH UNTIL VEGETATION IS FIRMLY ESTABLISHED. SELECT SEED MIXTURES FROM SECTION 3. NYS GUIDELINES FOR URBAN EROSION & SEDIMENT CONTROL.
 - MULCHING: MULCH SHALL BE APPLIED TO ALL SEEDING AREAS IMMEDIATELY AFTER SEEDING. DURING THE TIME PERIODS WHEN SEEDING IS NOT PERMITTED, MULCH SHALL BE APPLIED IMMEDIATELY AFTER GRADING. MULCH SHALL BE UNROTTED, UNCHOPPED, SMALL GRAIN STRAW APPLIED AT A RATE OF 2 TONS PER ACRE OR 90 POUNDS PER 1,000 SQUARE FEET (2 BALES). IF A MULCH ANCHORING TOOL IS USED, APPLY 2.5 TONS PER ACRE. MULCH MATERIALS SHALL BE RELATIVELY FREE OF ALL KINDS OF WEEDS AND SHALL BE COMPLETELY FREE OF PROHIBITED NOXIOUS WEEDS. SPREAD MULCH UNIFORMLY BY HAND TO A DEPTH OF 1-2 INCHES.
 - SECURING STRAW MULCH: STRAW MULCH SHALL BE SECURED IMMEDIATELY FOLLOWING MULCH APPLICATIONS TO MINIMIZE MOVEMENT OF WIND OR WATER. THE FOLLOWING METHODS ARE PERMITTED:
 - USE A MULCH ANCHORING TOOL WHICH IS DESIGNED TO PUNCH AND ANCHOR FABRIC TYPE MULCH INTO THE SOIL SURFACE TO A MINIMUM DEPTH OF 2 INCHES. THIS IS THE MOST EFFECTIVE METHOD FOR SECURING MULCH. HOWEVER, IT IS LIMITED TO RELATIVELY FLAT AREAS WHERE EQUIPMENT CAN OPERATE SAFELY.
 - WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. APPLY THE FIBER BINDER AT A NET DRY WEIGHT OF 750 POUNDS PER ACRE. IF MIXED WITH WATER, USE 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER.
 - LIQUID BINDERS MAY BE USED AND APPLIED HEAVIER AT THE EDGES WHERE WIND CATCHES MULCH, SUCH AS IN VALLEYS AND ON CRESTS OF SLOPES. THE REMAINDER OF THE AREA SHOULD APPEAR UNIFORM AFTER BINDER APPLICATION.
 - LIGHTWEIGHT NETTING, MAY BE USED TO SECURE MULCH. THE NETTING WILL BE STAPLED TO THE GROUND ACCORDING TO MANUFACTURERS' RECOMMENDATIONS.
- TEMPORARY SEEDING:
 - LIME: 100 POUNDS OF DOLOMITIC LIMESTONE PER 1,000 SF
 - FERTILIZER: 15 POUNDS OF 10-10-10 PER 1,000 SF
 - SEED: PERENNIAL RYE-0.92 POUNDS PER 1,000 SF
- FILL:
 - NO FILLS MAY BE PLACED ON FROZEN GROUND. ALL FILL TO BE PLACED IN APPROXIMATELY HORIZONTAL LAYERS, EACH LAYER HAVING A LOOSE THICKNESS OF NOT MORE THAN 8 INCHES. ALL FILL IN ROADWAYS AND PARKING AREAS IS TO BE CLASSIFIED TYPE 2 COMPACTED TO 90% DENSITY; COMPACTION TO BE DETERMINED BY ASTM D-1557-66T (MODIFIED PROCTOR). ANY FILL WITHIN THE BUILDING AREAS IS TO BE COMPACTED TO A MINIMUM OF 95% AS DETERMINED BY METHODS PREVIOUSLY MENTIONED. FILLS FOR POND EMBANKMENTS SHALL BE COMPACTED AS PER THE PROJECT ENGINEER'S SPECIFICATIONS. ALL OTHER FILLS SHALL BE COMPACTED SUFFICIENTLY SO AS TO BE STABLE AND PREVENT EROSION AND SLIPPAGE.
- PERMANENT SOD:
 - INSTALLATION OF SOD SHOULD FOLLOW THE PERMANENT SEEDING DATES. PERMANENT SOD IS TO BE STATE APPROVED SOD; LIME AND FERTILIZER PER PERMANENT SEEDING SPECIFICATIONS AND LIGHTLY IRRIGATE SOIL PRIOR TO LAYING SOD. SOD IS TO BE LAID ON THE CONTOUR WITH ALL ENDS TIGHTLY ABUTTING. JOINTS ARE TO BE STAGGERED BETWEEN ROWS. WATER AND ROLL OR TAMP SOD TO INSURE POSITIVE ROOT CONTACT WITH THE SOIL. ALL SLOPES STEEPER THAN 3:1, AS SHOWN, ARE TO BE PERMANENTLY SODDED OR PROTECTED WITH APPROVED EROSION CONTROL NETTING. ADDITIONAL WATERING FOR ESTABLISHMENT MAY BE REQUIRED. SOD IS NOT TO BE APPLIED ON FROZEN GROUND. SOD SHALL NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (DRY OR WET) AND/OR EXTREME TEMPERATURE MAY ADVERSELY AFFECT ITS SURVIVAL. IN THE ABSENCE OF ADEQUATE RAINFALL, IRRIGATION SHOULD BE PERFORMED TO INSURE ESTABLISHED SOD.

SLOPE STABILIZATION, SEEDING METHOD & MULCHING

SLOPES OR 4:1 OR GREATER (HORIZONTAL - VERTICAL)
 SLOPES SHALL BE HYDROSEEDED WITH THE MIXTURES AND RATES INDICATED IN THE PERMANENT SEEDING MIXTURE SCHEDULE. STRAW OR HAY MULCH SHALL BE APPLIED AT A RATE OF 2,000 LBS./ACRE. STRAW OR HAY MULCH SHALL BE ANCHORED WITH Bio-Mesh60 NETTING AS MANUFACTURED BY RoLANKA INTERNATIONAL OR APPROVED EQUIVALENT. NETTING TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.

GENTLE SLOPE AND FLAT AREAS
 AREA SHALL BE SEEDING BY HYDROSEEDING OR BROADCASTING WITH THE MIXTURES AND RATES INDICATED ON THE PERMANENT SEEDING MIXTURE SCHEDULE. HYDROSEEDED AREAS SHALL BE MULCHED WITH A WOOD FIBER MULCH APPLIED AT A RATE OF 500 LBS./ACRE. BROADCAST AREAS SHALL BE MULCHED WITH HAY OR STRAW AT A RATE OF 2,000 LBS./ACRE. AREAS SEEDING BY BROADCASTING SHALL BE LIGHTLY RAKED AND PAVED PRIOR TO PLACING MULCH.

AREAS REMAINING DISTURBED FOR 20 DAYS OR MORE SHALL BE STABILIZED AS FOLLOWS:
 SCARIFY SOILS IF COMPACTED, LIME TO pH OF 6.0 IF REQUIRED, FERTILIZE WITH 600 LBS./ACRE. 5-10-10 FERTILIZER IF REQUIRED. SEED WITH SPECIES AND RATE SHOWN BELOW. MULCH WITH HAY OR STRAW AT A RATE OF 2,000 LBS./ACRE. ANCHOR MULCH WITH NETTING OF WOOD FIBER OR JUTE IF STEEP SLOPE OR HIGH POTENTIAL FOR EROSION.

SILTATION POND NOTES:
 CONTRACTOR SHALL ENSURE SEDIMENT LADEN RUNOFF IS DIVERTED TO SILTATION PONDS WHICH MAY REQUIRE DIVERSION DITCHES AND STONE CHECK DAMS

REVISION	BY	DATE	DESCRIPTION
4.	MM	4/24/20	REVISIONS PER 4/10/20 OGDWP COMMENT LETTER
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THIS EROSION CONTROL PLAN SHALL BE USED FOR EROSION CONTROL METHODS AND LOCATIONS ONLY. DO NOT USE THIS PLAN FOR BUILDING, PAVED AREA, UTILITY LOCATIONS, etc.

THE OWNER IS ASSIGNED THE RESPONSIBILITY FOR THE CONSTRUCTION & MAINTENANCE OF THE MEASURES AS DETAILED ON THIS PLAN INCLUDING THE TECHNICAL SPECIFICATIONS ON THIS PLAN

CONSTRUCTION NOTE:
 1. ONLY ONE SITE CAN BE CONSTRUCTED AT ONE TIME IN ORDER TO COMPLY WITH THE NYSDEC 5 ACRE MAXIMUM SITE DISTURBANCE REQUIREMENT.
 FOR ALL CONSTRUCTION SPECIFICATIONS REFER TO "NY GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL"

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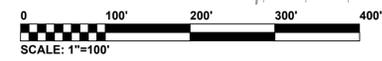
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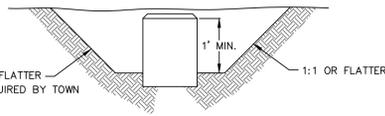
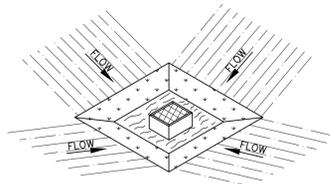
SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
 1251 KINGS HWY
 CHESTER, NY 10918

JOB#: 18-029
 SCALE: AS NOTED
 DATE: 1/21/19
 DRAWN: MM
 CHECKED: MM
 SHEET NO: 12 OF 20

EROSION AND SEDIMENT CONTROL PLAN

MICHAEL A. MORGANTE, P.E.
 LIC. NO. 78577





CONSTRUCTION SPECIFICATION FOR ST-III

1. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
2. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
3. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
4. THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONTRIBUTORY DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
5. ALL CUT SLOPES SHALL BE 1:1 OR FLATTER.

STORM INLET SEDIMENT TRAP

NOT TO SCALE

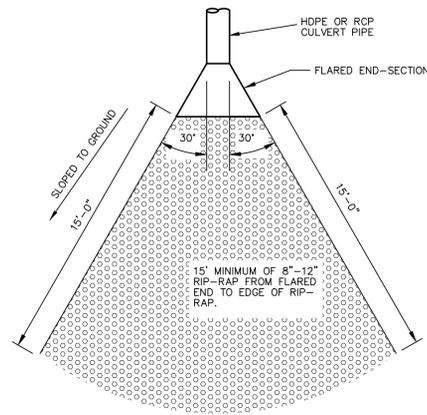
FOR CONSTRUCTION SPECIFICATIONS REFER TO "NY GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL"

LAND GRADING SPECIFICATIONS

1. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
2. ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS".
3. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS.
4. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
5. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL.
6. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
7. ALL FILL TO BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
8. EXCEPT FOR APPROVED LANDFILLS, FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
9. FROZEN MATERIALS OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
10. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
11. ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
12. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
13. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.
14. STOCKPILES, BORROW AREAS AND SPOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF THIS STANDARD AND SPECIFICATION.

STANDARD COUNTY NOTE:

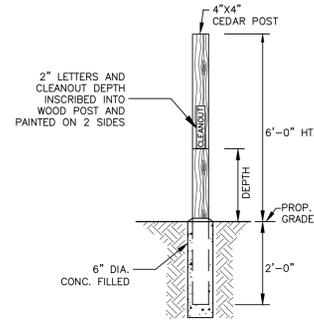
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FLARED CULVERT END SECTION

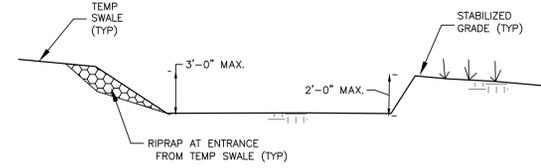
NOT TO SCALE

SEDIMENT CLEANOUT			
DETENTION POND	BOTTOM ELEV.	CLEANOUT ELEV.	DEPTH
#1	419.0	421.0	2 FT.
#2	412.0	414.0	2 FT.



SEDIMENT CLEANOUT MARKER

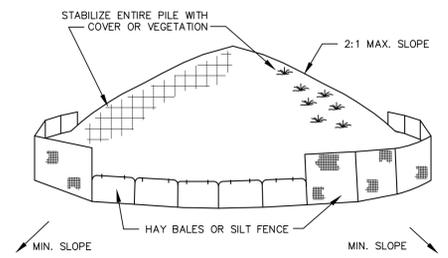
NOT TO SCALE



TEMPORARY SILTATION POND DETAIL

NOT TO SCALE

1. SWALE SEDIMENT TRAP SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DIMENSIONS PROVIDED ON THE DESIGN DRAWINGS OR SIZED TO PROVIDE THE MINIMUM STORAGE NECESSARY: 1800 CU FT STORAGE FOR EACH ACRE OF DRAINAGE AREA. DRAINAGE AREA= 1.34 AC; 2500 CU FT PROVIDED.
2. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
3. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
5. THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONTRIBUTORY DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
6. THE SWALE SEDIMENT TRAP WILL BE PROPERLY BACKFILLED AND THE SWAL OR DITCH RECONSTRUCTED.
7. CONTRIBUTORY DRAINAGE AREA NOT TO EXCEED 2 ACRES.
8. THE PROPOSED INFILTRATION BASIN SHALL NOT BE USED AS A SILTATION POND.

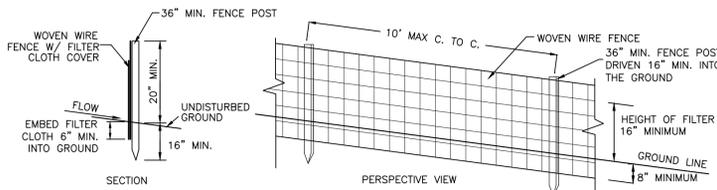


SOIL STOCKPILE DETAIL

NOT TO SCALE

INSTALLATION NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE
2. MAXIMUM SLOPE OF STOCKPILES SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR HAY BALES, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.



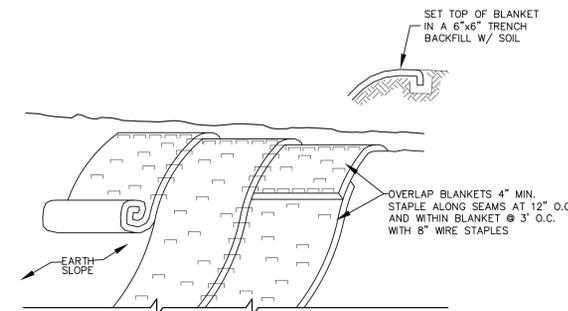
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POST WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POST: STEEL EITHER "T" OR "U" TYPE OR 2" HARDWOOD
 FENCE: WOVEN WIRE, 14 1/2 GA. 6" MAX. MESH OPENING
 FILTER CLOTH: FILER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL
 PREFABRICATED UNIT: GEIOFAB, ENVIROFENCE, OR APPROVED EQUAL.

SILT FENCE DETAIL

NOT TO SCALE

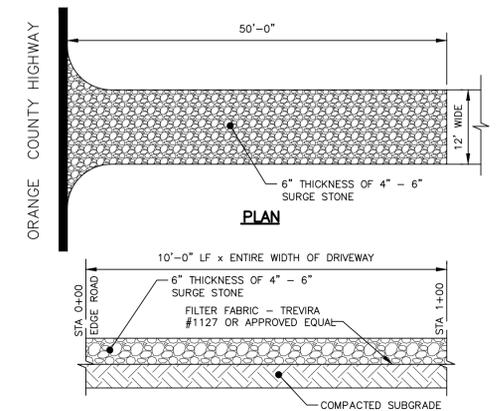


SLOPE STABILIZATION DETAIL

NOT TO SCALE

NOTES:

1. STABILIZE PREPARED EARTHEN SLOPE WITH A BIODEGRADABLE NATURAL FIBER NETTING APPROVED TYPES ARE AS FOLLOWS:
 -C350 -NORTH AMERICAN GREEN #1-800-772-2040
 -EODCORP 9000- EASTERN PRODUCTS, INC. #1-201-234-5050
 -ERO-MAT V125C- EROSION CONTROL TECH. #1-800-245-0551
 -ALL SLOPE RESTORATION TO GET 4" TOPSOIL
2. SEED SLOPE PRIOR TO INSTALLING EROSION CONTROL NETTING.
3. AFTER NETTING IS INSTALLED, PLANT GRASS-COVER, TREES & FORSYTHIA THROUGH SLITS CUT IN FABRIC.



SECTION

NOTES:

1. ENTRANCE SHALL BE MAINTAINED AS CONDITIONS DEMAND TO PREVENT TRACKING OF SEDIMENT INTO PUBLIC RIGHTS OF WAY.
2. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
3. A CRUSHED STONE, VEHICLE WHEEL CLEANING BLANKET WILL BE INSTALLED WHENEVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 6" DEPTH OF 4"-6" SURGE STONE, WILL BE AT LEAST 45' X 100' AND SHOULD BE PLACED ON COMPACTED SUBGRADE.
4. ALL DRIVEWAYS MUST BE STABILIZED WITH 1"-1 1/2" CRUSHED STONE OR SUBBASE DURING CONSTRUCTION.
5. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
6. ALL CATCH BASIN INLETS WILL BE PROTECTED WITH CRUSHED STONE OR HAYBALE FILTER.
7. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE DISCHARGE POINTS BECOME OPERATIONAL.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

FOR ALL CONSTRUCTION SPECIFICATIONS REFER TO "NY GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL"

THIS EROSION CONTROL PLAN SHALL BE USED FOR EROSION CONTROL METHODS AND LOCATIONS ONLY. DO NOT USE THIS PLAN FOR BUILDING, PAVED AREA, UTILITY LOCATIONS, etc.

THE OWNER IS ASSIGNED THE RESPONSIBILITY FOR THE CONSTRUCTION & MAINTENANCE OF THE MEASURES AS DETAILED ON THIS PLAN INCLUDING THE TECHNICAL SPECIFICATIONS ON THIS PLAN

REVISION	BY	DATE	DESCRIPTION
2.	MM	8/26/19	REVISIONS PER 3/25/19 FUSCO COMMENT LETTER & 3/29/19 KALA COMMENT LETTER
1.	MM	8/9/19	REVISIONS PER NYSDEC WETLAND DELINEATION

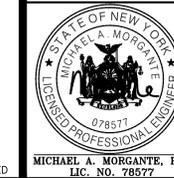
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 WWW.ARDENCONSULTING.NET

SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
 1251 KINGS HWY
 CHESTER, NY 10918

JOB#: 18-029
 SCALE: AS NOTED
 DATE: 3/15/19
 DRAWN: MM
 CHECKED: MM
 SHEET NO. 13 of 20

EROSION AND SEDIMENT CONTROL PLAN DETAILS

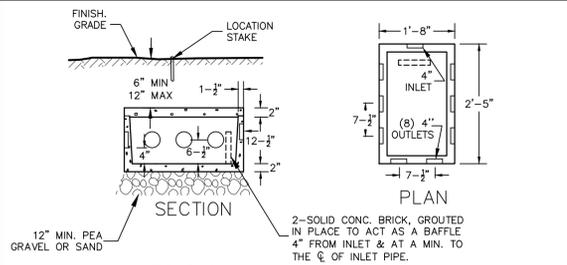


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ONLY MAPS WITH EMBOSSED SEALS ARE GENUINE COPIES OF THE ORIGINAL WORK AND OPINION. MAPS NOT BEARING EMBOSSED SEALS SHOULD NOT BE RELIED UPON SINCE OTHER THAN EMBOSSED-SEAL COPIES MAY CONTAIN UNAUTHORIZED AND UNDETECTABLE MODIFICATIONS, DELETIONS, ADDITIONS AND CHANGES.





8-OUTLET DISTRIBUTION BOX
NOT TO SCALE

SPECIFICATIONS:
 1. CONCRETE MINIMUM STRENGTH - 4,000 PSI @ 28 DAYS
 2. STEEL REINFORCEMENT - 6" X 6" X 6 GA. WWF
 3. AIR ENTRAINMENT - 5%
 4. CONSTRUCTION JOINT - BUTYL RUBBER SEAL
 5. CEMENT PIPE CONSTRUCTION - "POLYLOK SEAL" (PAT.)
 6. DIST. BOX DB-9 AS MANUFACTURED BY WOODARD'S CONCRETE, OR EQUAL

NOTES:
 1. PIPE JOINTS TO BE SEALED WITH ASPHALTIC MATERIAL OR EQUIVALENT.
 2. INVERT ELEVATIONS OF ALL OUTLET PIPES MUST BE EQUAL. USE OF SPEED LEVELING DEVICES IS REQUIRED.
 3. THE SLOPE OF OUTLET PIPES BETWEEN THE DISTRIBUTION BOX AND DISTRIBUTOR LATERALS SHOULD BE AT LEAST 1/8" PER FOOT.
 4. A BAFFLE AS SHOWN IS REQUIRED.
 5. OUTLETS MUST BE USED IN A MANNER THAT WILL ALLOW ACCESS TO THE EXPANSION AREA WITHOUT DISTURBING EXISTING PIPING.

8-OUTLET DISTRIBUTION BOX
NOT TO SCALE

ELJEN SECTION
NOT TO SCALE

1. SYSTEM TO BE INSTALLED IN CONFORMANCE WITH ALL NYSDEC REQUIREMENTS FOR RESIDENTIAL WASTEWATER TREATMENT SYSTEMS.
 2. SYSTEM TO MEET ALL SEPARATION REQUIREMENTS.
 3. PERFORATED PIPE SHALL BE PLACED SO THAT HOLES ARE FACING 5 & 7 O'CLOCK POSITIONS.
 4. LATERALS ARE TO BE SET LEVEL.
 5. ALL TRENCHES TO HAVE IDENTICAL NUMBER OF ELJEN UNITS.
 6. END OF ALL DISTRIBUTION PIPES MUST BE PLOUGED.
 7. RAKE SIDES & BOTTOM OF TRENCH PRIOR TO PLACING SAND.
 8. DO NOT INSTALL TRENCHES IN WET SOIL.
 9. TRENCHES TO BE INSTALLED PARALLEL WITH EXISTING CONTOURS. SPACING SHALL BE A MIN. OF 8 FT. ON CENTER WITH A MINIMUM OF 4 FEET OF UNDISTURBED SOIL BETWEEN TRENCHES. LOT 5 ONLY REQUIRES AN ELJEN LATERAL SPACING OF 12' ON-CENTER.
 10. THE BACKFILL IN THE TRENCHES MUST BE MOUND FOR SETTLING.
 11. SEE TABLE BELOW FOR ASTM C33 SAND SPECIFICATIONS.

SEIVE SIZE	SEIVE SIZE SQ. OPENING	% PASSING BY WEIGHT (WET SIEVE)	
		MINIMUM	MAXIMUM
3/8"	9.5 mm	100	100
NO. 4	4.75 mm	95	100
NO. 8	2.36 mm	80	100
NO. 16	1.18 mm	50	85
NO. 30	600 μm	25	60
NO. 50	300 μm	5	30
NO. 100	150 μm	0	<10
NO. 200	75 μm	0	<5

ELJEN SECTION
NOT TO SCALE

TABLE 2
REQUIRED SEPARATION DISTANCES FROM WASTEWATER SYSTEM COMPONENTS (FEET)

SYSTEM COMPONENTS	WELL OR SUCTION LINE (e) (g)	STREAM, LAKE, WATERCOURSE (b), or WETLAND	DWELLING	PROPERTY LINE	DRAINAGE DITCH or RAIN GARDENS (h)
HOUSE SEWER DRAIN (WATERTIGHT JOINTS)	25 IF CAST IRON 50 OTHERWISE	25	3	10	10
SEPTIC TANK, DOSING TANK & WATERTIGHT ETU	50	50	10	10	10
EFFLUENT LINE TO DISTRIBUTION BOX/DROP BOX	50	50	10	10	10
DISTRIBUTION BOX/DROP BOX	100	100	20	10	50
ABSORPTION FIELD (c) (d)	100 (a)	100	20	10	50
SEEPAGE PIT (d)	150 (a)	100	20	10	50
RAISED SYSTEM or MOUND (c) (d)	100 (a)	100	20	10	50
INTERMITTENT SAND FILTER (d)	100 (a)	100 (f)	20	10	50
NON WATERBORNE SYSTEMS WITH OFFSITE RESIDUAL DISPOSAL	50	50	20	10	50
NON WATERBORNE SYSTEMS WITH ONSITE DISCHARGE	100	50	20	10	50

NOTES:
 A) WHEN WASTEWATER TREATMENT SYSTEMS ARE LOCATED UPGRADE AND IN THE DIRECT PATH OF SURFACE WATER DRAINAGE TO A WELL, THE CLOSEST PART OF THE TREATMENT SYSTEM SHALL BE AT LEAST 200 FEET AWAY FROM THE WELL.
 B) MEAN HIGH WATER MARK, WETLAND OR WATERCOURSE DETERMINATIONS SHOULD BE ADDRESSED WITH THE LHD OR OTHER AGENCY HAVING JURISDICTION AND THE APPLICABLE NYSDEC REGIONAL OFFICE.
 C) FOR ALL SYSTEMS INVOLVING THE PLACEMENT OF FILL MATERIAL, SEPARATION DISTANCES ARE MEASURED FROM THE TOE OF SLOPE OF THE FILL, EXCEPT FOR SOME SHALLOW ABSORPTION TRENCH SYSTEMS AS DESCRIBED IN 9.12.2 OF THIS HANDBOOK.
 D) SEPARATION DISTANCES SHALL ALSO BE MEASURED FROM THE EDGE OF THE DESIGNATED ADDITIONAL USEABLE AREA [i.e. RESERVE AREA], WHEN AVAILABLE.
 E) THE CLOSEST PART OF THE WASTEWATER TREATMENT SYSTEM SHALL BE LOCATED AT LEAST TEN (10) FEET FROM ANY WATER SERVICE LINE (e.g., PUBLIC WATER SUPPLY MAIN, PUBLIC WATER SERVICE LINE OR RESIDENTIAL WELL WATER SERVICE LINE).
 F) WHEN INTERMITTENT SAND FILTERS ARE DESIGNED TO BE WATERTIGHT AND COLLECT ALL EFFLUENT, THE SEPARATION DISTANCE CAN BE REDUCED TO 50 FEET.
 G) THE LISTED WATER WELL SEPARATION DISTANCES FROM CONTAMINANT SOURCES SHALL BE INCREASED BY 50% WHENEVER AQUIFER WATER ENTERS THE WATER WELL AT LESS THAN 50- FEET BELOW GRADE. IF A 50% INCREASE CANNOT BE ACHIEVED, THEN THE GREATEST POSSIBLE INCREASE IN SEPARATION DISTANCE SHALL BE PROVIDED WITH SUCH ADDITIONAL MEASURES AS NEEDED TO PREVENT CONTAMINATION.
 H) RECOMMENDED: USE SITE EVALUATION TO AVOID OWTS SHORT-CIRCUITING TO THE SURFACE OR GROUNDWATER AND TO MINIMIZE IMPACTS ON OWTS FUNCTIONALITY.
 EMBANKMENT OR VERY STEEP SLOPE: IT IS RECOMMENDED THAT SYSTEM COMPONENTS BE LOCATED A MINIMUM OF 25 FEET AND THE ABSORPTION FIELD BE LOCATED A MINIMUM OF 50 FEET FROM AN EMBANKMENT OR VERY STEEP SLOPE. MAXIMIZE SEPARATION DISTANCES AND USE SITE EVALUATION TO AVOID SHORT-CIRCUITING TO SURFACE (BREAKOUT OR SEEPAGE).
 SWIMMING POOLS (ABOVE OR BELOW GROUND): IT IS RECOMMENDED THAT SYSTEM COMPONENTS BE LOCATED A MINIMUM OF 20 FEET AND THE ABSORPTION FIELD BE LOCATED A MINIMUM OF 35 FEET FROM SWIMMING POOLS. MAXIMIZE SEPARATION DISTANCES AND USE SITE EVALUATION TO MINIMIZE IMPACTS ON OWTS ACCESSIBILITY AND FUNCTIONALITY.

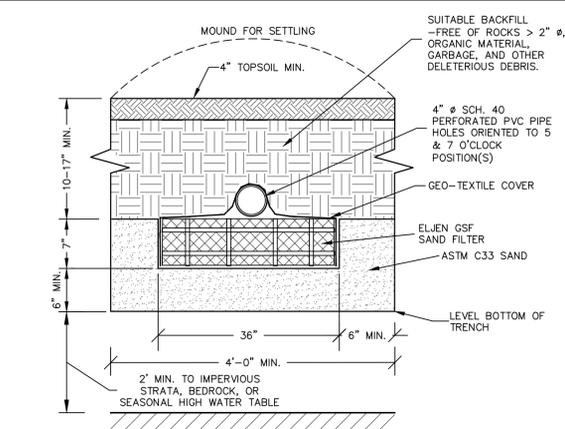
ACCEPTED AS ORANGE COUNTY HEALTH DEPARTMENT POLICY & STANDARD WITH THE FOLLOWING ADDITIONS

- SEPARATION: WELL TO SWALE, STREAM OR WATERCOURSE - 25'
- SEPARATION: ABSORPTION FIELD TO THE HIGH WATER LINE OF A WET POND - 100'
- SEPARATION: ABSORPTION FIELD TO INTERMITTENT STREAM, DRY WELL, CULVERT OR STORM SEWER (NON-GASKETED PIPE), OR CATCH BASIN - 50'
- SEPARATION: ABSORPTION FIELD TO CULVERT OR STORM SEWER (GASKETED, TIGHT PIPE) - 35'
- SEPARATION: ABSORPTION FIELD TO CURTAIN DRAIN - 15'
- SEPARATION: ABSORPTION FIELD, PITS, EXPANSION AREA, TO TOP OF EMBANKMENT OR STEEP (1 ON 3) SLOPE - 25'
- SEPARATION: ABSORPTION FIELD TO SOLID CURTAIN DRAIN, ROOF OR FOOTING PIPES, SNOW STORAGE ESMT - 10'
- DRAINAGE PIPES WITHIN 25' OF ANY WELL MUST BE WATERTIGHT.
- SEPARATION: WELL TO CEMETERY PROPERTY LINE - 100'
- SEPARATION: WELL TO SUBDIVISION BOUNDARY - 50'
- SEPARATION: EVAPOTRANSPIRATION-ABSORPTION SYSTEM TO DRAINAGE DITCH - 50'
- SEPARATION: DRY WELL (ROOF AND FOOTING) TO DRAINAGE DITCH - 50'

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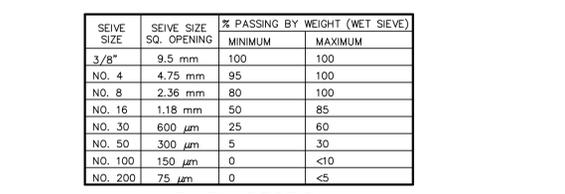
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SEPTIC/SWALE CROSS SECTION
NOT TO SCALE

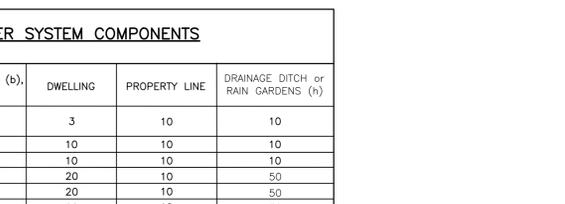


BUILDING LATERAL SEWER CLEANOUT (C.O.)
NOT TO SCALE

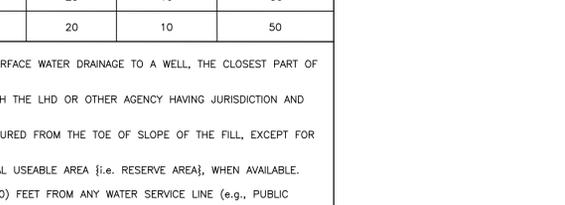
NOTES:
 1. EACH BUILDING LATERAL SEWER SHALL HAVE A CLEANOUT INSTALLED APPROXIMATELY 2' DOWNSTREAM OF THE BUILDING PIPE TO BUILDING LATERAL SEWER CONNECTION. HEREAFTER, CLEANOUTS SHALL BE INSTALLED ALONG THE BUILDING LATERAL SEWER APPROXIMATELY EVERY 100' (MAXIMUM). FOR THE PURPOSE OF CLEANOUT LOCATIONS, DISTANCE SHALL BE MEASURED FROM THE FIRST CLEANOUT LOCATED DOWNSTREAM OF THE BUILDING PIPE TO BUILDING LATERAL SEWER CONNECTION, HENCE DOWNSTREAM ALONG THE BUILDING LATERAL SEWER TO THE CENTER OF THE SEWER MAIN LINE (GENERALLY LOCATED IN THE CENTER OF THE STREET).
 2. CLEANOUT LOCATED IN A ROAD, DRIVEWAY OR PARKING AREA SHALL REQUIRE A CAMELL FOUNDRY #4164 CAST IRON FRAME AND COVER. (OR APPROVED EQUAL).



TYPICAL ELJEN TRENCH CROSS SECTION
NOT TO SCALE

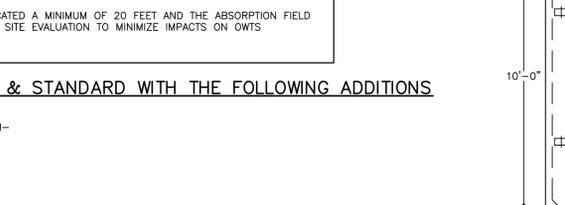


WATER & SEWER HORIZONTAL SEPARATION
NOT TO SCALE

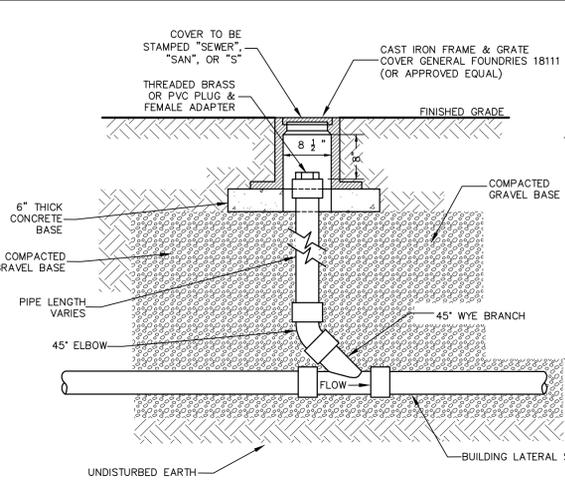


1.250 GALLON SEPTIC TANK
NOT TO SCALE

NOTES:
 1. TYPICAL PRECAST CONCRETE SEPTIC TANK, WOODARD CONCRETE PRODUCTS, INC. MODEL ST-1250, OR EQUAL (PROVIDE WATER TIGHT SEAL AT ANY CONSTRUCTION JOINT).
 2. SEPTIC TANK SHALL HAVE A SANITARY TEE W/ GAS DEFLECTOR.
 3. ACCESS HATCHES TO SEPTIC TANK IN PARKING LOT MUST BE ACCESSIBLE.
 4. CONCRETE MINIMUM STRENGTH: 4,000 PSI AT 28 DAYS.
 5. CONSTRUCTION JOINT: SEALED WITH BUTYL RUBBER SEALANT OR EQUIVALENT
 6. REINFORCEMENT: #4 BAR OR 60, FORTA FERRO 5 LB/CY
 7. AIR ENTRAINMENT: 6%
 8. PIPE CONNECTION: POLYLOK SEAL (PATENTED)
 9. WEIGHT = 9,500 LBS
 10. LOAD RATING: 300 PSF

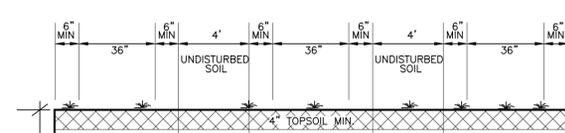


SEPTIC/SWALE CROSS SECTION
NOT TO SCALE



WELL DETAIL
NOT TO SCALE

NOTES:
 1. THE LISTED WATER WELL SEPARATION DISTANCES FROM CONTAMINANT SOURCES SHALL BE INCREASED BY 50% WHENEVER AQUIFER WATER ENTERS THE WATER WELL AT LESS THAN 50 FEET BELOW GRADE. IF A 50% INCREASE IN SEPARATION DISTANCES CAN NOT BE ACHIEVED, THEN THE GREATEST POSSIBLE INCREASE IN SEPARATION DISTANCE SHALL BE PROVIDED WITH SUCH ADDITIONAL MEASURES AS NEEDED TO PREVENT CONTAMINATION. SEE ALSO NOTE 6 TO TABLE 2 OF APPENDIX 5-B.
 2. WELL TO BE INSTALLED IN ACCORDANCE WITH ANWA A-100 & TONYCRR APPENDIX 5-B STANDARDS FOR WATER WELLS.
 3. SANITARY WELL SEAL & PITLESS ADAPTER SHALL BE APPROVED BY THE WATER SYSTEMS COUNCIL.



ELJEN ABSORPTION TRENCH CONFIGURATION
NOT TO SCALE

NOTES:
 1. LATERALS TO BE INSTALLED IN CONFORMANCE WITH ALL STATE AND LOCAL DEPARTMENT OF HEALTH REQUIREMENTS.
 2. ALL SEPARATION DISTANCES TO BE MAINTAINED.

STANDARD COUNTY NOTE:

- NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW

REVISION	BY	DATE	DESCRIPTION
2.	MM	8/26/19	REVISIONS PER 3/25/19 FUSCO COMMENT LETTER & 3/29/19 KALA COMMENT LETTER
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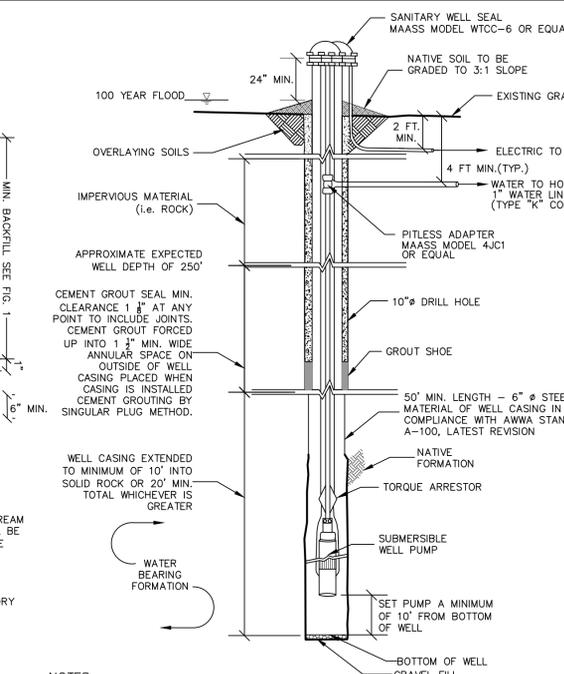
SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

SANITARY DETAILS

DATE: 3/15/19
SCALE: AS NOTED
DRAWN: MM
CHECKED: MM
SHEET NO: 14 OF 20

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SANITARY NOTES

- THE DESIGN AND LOCATION OF SANITARY (WATER & SEWER) SYSTEMS SHALL NOT BE CHANGED.
- ALL WELLS WITHIN 200' OF THE PROJECT HAVE BEEN LOCATED AND SHOWN ON THE PLANS.
- TRENCHES SHALL NOT BE INSTALLED IN WET SOIL. THE SIDES AND BOTTOM OF TRENCHES MUST BE RAKED. THE ENDS OF ALL OF THE LATERALS MUST BE CAPPED.
- TRENCHES SHALL BE NO REGRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELDS.
- HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE ABSORPTION FIELDS EXCEPT DURING THE ACTUAL CONSTRUCTION. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD BEFORE, DURING, OR AFTER CONSTRUCTION. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDEQ COMPACTION THAT COULD RESULT IN A CHANGE OF THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
- THIS SYSTEM WAS NOT DESIGNED TO ACCOMMODATE GARAGE GRINDERS, JAGUZZI TYPE SPA TUBS OVER 100 GALLONS, OR WATER CONDITIONERS. AS SUCH, THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SYSTEM IS REDESIGNED TO ACCOUNT FOR THEM AND REAPPROVED BY THE OGDH.
- THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC (OR ANY PUMPING OR DOSING CHAMBER) TO THE BUILDING, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
- THE OWNER/APPLICANT SHALL BE PROVIDED WITH A COPY OF THE APPROVED PLANS AND AN ACCURATE AS-BUILT DRAWING OF ANY EXISTING SANITARY FACILITIES. THE OWNER/APPLICANT SHALL ALSO BE ADVISED OF ANY ROUTINE OR SPECIAL MAINTENANCE PROCEDURES THAT MAY BE NECESSARY.
- INDIVIDUAL WELLS AND SEWAGE DISPOSAL SYSTEMS SHALL NO LONGER BE CONSTRUCTED OR USED WHEN PUBLIC FACILITIES BECOME AVAILABLE. CONNECTION TO THE PUBLIC SEWER SYSTEM IS REQUIRED W/ 1 YEAR OF AVAILABILITY.
- A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER SHALL INSPECT THE SANITARY FACILITIES AT THE TIME OF CONSTRUCTION. THE ENGINEER SHALL CERTIFY TO THE LOCAL CODE ENFORCEMENT OFFICER AND THE OGDH THAT THE FACILITIES HAVE BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC TANK JOINTS HAVE BEEN SEALED AND TESTED FOR WATER TIGHTNESS.
- AEROBIC SEPTIC TANK AND PUMP CHAMBER TO BE REINFORCED CONCRETE.
- PIPE FROM HOUSE TO SEPTIC TANK TO BE INSTALLED IN ACCORDANCE WITH ANWA A-100, LATEST REVISION.
- NO CELLAR, FOOTING, OR ROOF DRAINS SHALL DISCHARGE INTO SEPTIC TANKS OR DRAIN FIELDS. THERE ARE NO FOOTING DRAINS FOR THE EXISTING SUBJECT RESIDENCE.
- THE SEWAGE DISPOSAL SYSTEM SHALL BE DESIGNED, LOCATED AND CONSTRUCTED TO ALLOW FOR A 50% EXPANSION FOR TILE FIELDS AND 100% EXPANSION FOR ELJEN SYSTEMS CAPABILITY FOR FUTURE USE.
- INSTALL TRENCHES PARALLEL TO CONTOURS.
- DRIVEWAYS AND OTHER STRUCTURES WHICH MAY COMPACT THE SOILS SHALL NOT BE CONSTRUCTED ON TOP OF ABSORPTION FIELD.
- DIVERSION SWALES TO BE LOCATED UPHILL FROM THE SEWAGE DISPOSAL AREA. THE DIVERSION SWALES ARE TO DIVERT RUNOFF AWAY FROM THE SEWAGE DISPOSAL AREA AND THE FUTURE EXPANSION AREA.
- SEPTIC TANK INLETS TO BE OPPOSITE OUTLETS.
- ALL ON SITE SANITATION AND WATER SUPPLY FACILITIES SHALL BE BUILT IN ACCORDANCE WITH "WASTE TREATMENT HANDBOOK" INDIVIDUAL HOUSEHOLD SYSTEMS (10 NYCRR 75) OF THE N.Y.S. DEPARTMENT OF HEALTH 1996 DESIGN HANDBOOK.
- ALL TREES, STUMPS, BRUSH, WEEDS, ETC. SHALL BE CUT TO GRADE AND REMOVED. ALL LEAVES, LIMBS, AND BODILERS ABOVE GRADE SHALL BE CAREFULLY REMOVED.
- CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND PROPERLY ABANDON EXISTING SEPTIC TANK AND LEACHFIELDS.
- THE SUBJECT PROPERTY DOES NOT LIE WITHIN A PUBLIC WATERSHED, AND THERE WILL BE NO CONSTRUCTION ON WATERSHED LANDS.
- ORANGE COUNTY DEPARTMENT OF HEALTH PLAN APPROVAL IS LIMITED TO 5 YEARS. TIME EXTENSIONS FOR APPROVAL MAY BE GRANTED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH BASED UPON REGULATIONS IN EFFECT AT THAT TIME. A NEW PLAN SUBMISSION MAY BE REQUIRED TO OBTAIN A TIME EXTENSION.
- ALL ROOF AND FOOTING DRAINS MUST DISCHARGE AWAY FROM SANITARY ABSORPTION FACILITIES.
- NO LOT IS TO BE FURTHER SUBDIVIDED WITHOUT ORANGE COUNTY DEPARTMENT OF HEALTH REVIEW AND APPROVAL.
- SEPTIC TANKS SHALL BE INSPECTED PERIODICALLY AND PUMPED EVERY 2-3 YEARS.
- PUMP STATIONS/DOSING CHAMBERS SHOULD BE INSPECTED PERIODICALLY BY A TRAINED PERSON FOR PROPER OPERATION, INCLUDING HIGH WATER ALARMS, VENTING & ANY PHYSICAL DAMAGE.
- DISTRIBUTION BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.
- THE APPROVED PLANS MUST BE FILED WITH THE ORANGE COUNTY CLERK'S OFFICE PRIOR TO OFFERING LOTS FOR SALE AND WITHIN 90 DAYS OF THE LAST APPROVAL OF FINAL PLANS.

ORANGE COUNTY HEALTH DEPT. AEROBIC UNIT NOTES

- PRIOR TO COMPLETION OF CONSTRUCTION AND/OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY, A SIGNED SERVICE CONTRACT MUST BE SUBMITTED TO THE ORANGE COUNTY DEPT. OF HEALTH AND THE LOCAL CODE ENFORCEMENT OFFICER. THIS CONTRACT MUST INCLUDE THE FOLLOWING:
 - A MINIMUM DURATION OF 3 YEARS.
 - SEMI-ANNUAL SERVICE INSPECTIONS BY A QUALIFIED INDIVIDUAL.
 - AT THE TIME ANY AEROBIC UNITS ARE INSTALLED, AND THE AEROBIC UNIT(S) EFFECTIVENESS IS IN QUESTION, SEMI-ANNUAL EFFLUENT TESTING FOR BIOLOGICAL OXYGEN DEMAND (BOD), TOTAL SUSPENDED SOLIDS (TSS), AND ANY OTHER PARAMETERS THAT MAY BE NECESSARY TO SHOW COMPLIANCE WITH NSF STANDARD 40, CLASS 1 (USEPA SECONDARY TREATMENT GUIDELINES). ANALYSES SHALL BE PERFORMED BY A NYS CERTIFIED LABORATORY.
 - THE UNIT SHALL BE PUMPED OUT AT LEAST EVERY 3 YEARS, OR MORE FREQUENTLY IF DETERMINED NECESSARY BY THE SERVICE PERSONNEL.
 - A NOTATION STATING THAT AFTER THE CONTRACT HAS EXPIRED, IF THE HOMEOWNER SO CHOOSES, A DIFFERENT QUALIFIED SERVICE PROVIDER CAN BE CHOSEN.
- A SERVICE CONTRACT MEETING ALL REQUIREMENTS OF NOTE #1 MUST BE IN EFFECT FOR THE LIFE OF THE AEROBIC UNIT.

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TEL: (845) 782-8114
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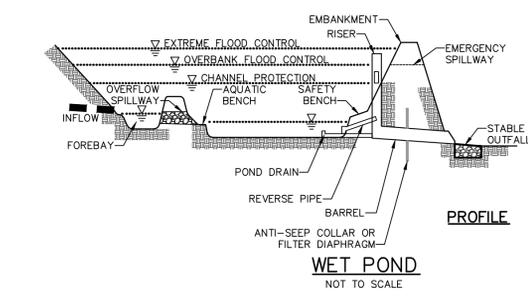
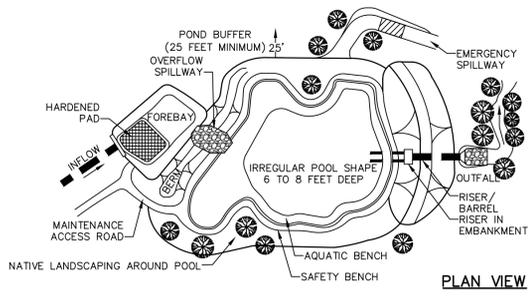
SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

SANITARY DETAILS

DATE: 3/15/19
SCALE: AS NOTED
DRAWN: MM
CHECKED: MM
SHEET NO: 14 OF 20

MICHAEL A. MORGANTTE, P.E.
LIC. NO. 78577

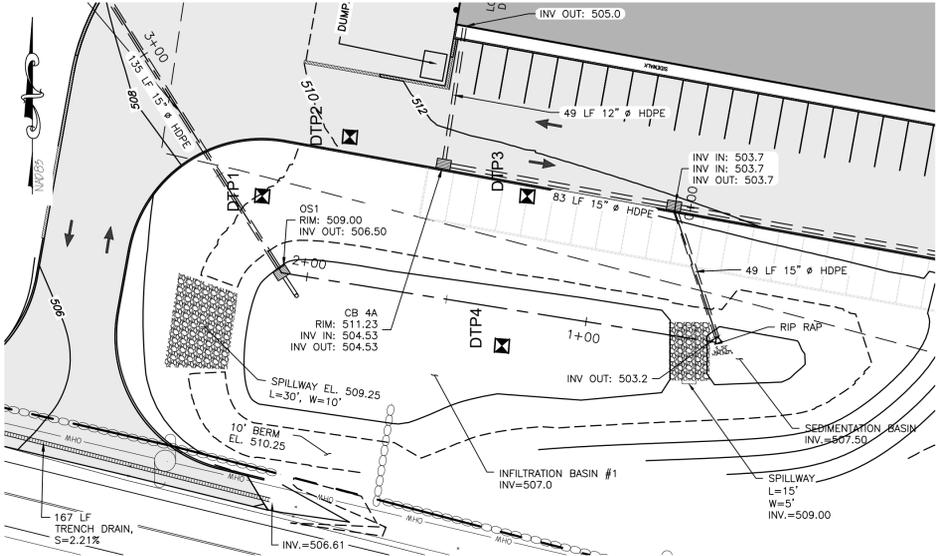
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STORMWATER DEEP TEST PIT OBSERVATIONS LOT 2

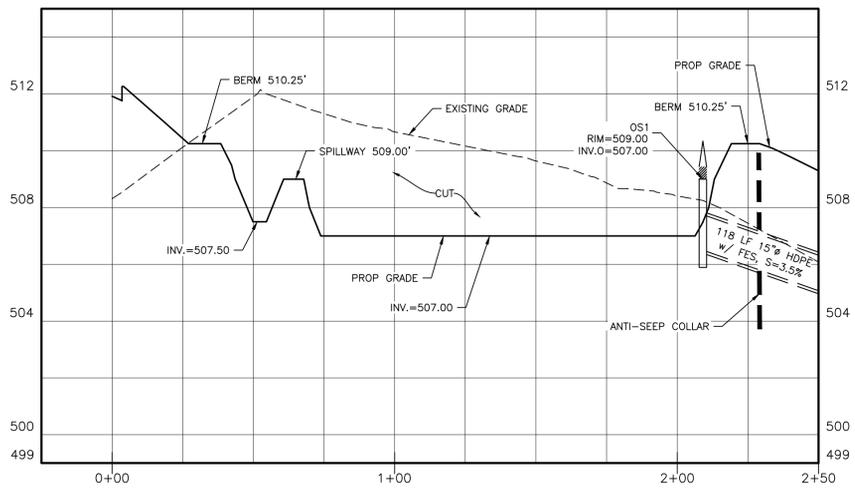
AUGUST 30, 2019 BY ARDEN CONSULTING ENGINEERS, PLLC

PIT NO.	DEPTH	DESCRIPTION
T1	0'-6" 6'-24"	TOPSOIL LOAM w/ GRAVEL & SHALE COBBLES LEDGE @ 24"
T2	0'-12" 12'-72"	TOPSOIL LOAM w/ GRAVEL LEDGE @ 72"
T3	0'-12" 12'-24" 24'-60"	TOPSOIL LOAM w/ GRAVEL SANDY LOAM w/ GRAVEL & SHALE COBBLES LEDGE @ 60"
T4	0'-12" 12'-48"	TOPSOIL LOAM w/ GRAVEL LEDGE @ 48"



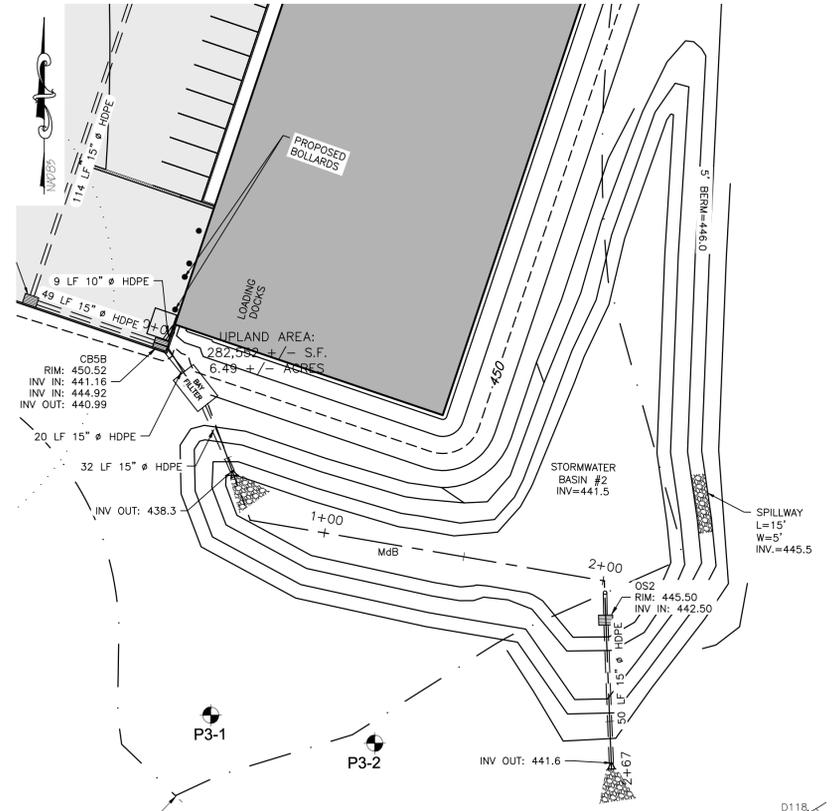
WET POND 1 PLAN

SCALE: 1"=30'



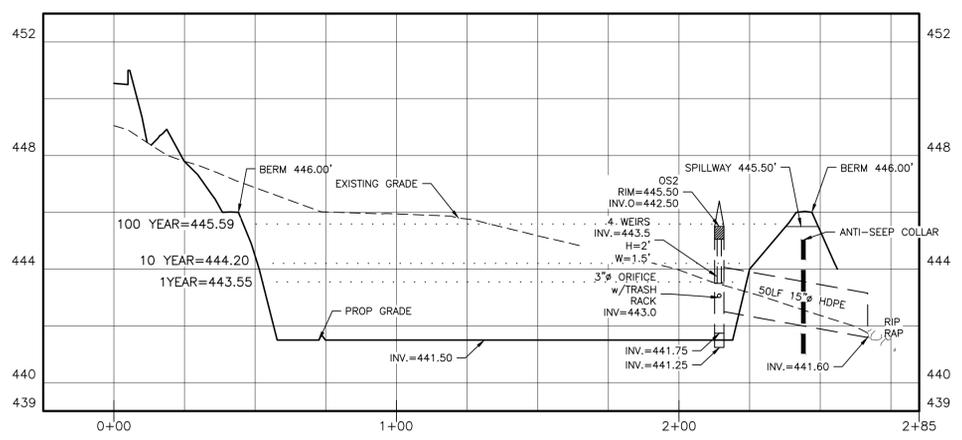
WET POND 1

VERTICAL SCALE: 1"=30' HORIZONTAL SCALE: 1"=10'



STORMWATER BASIN 2 PLAN

SCALE: 1"=30'



STORMWATER BASIN 2

VERTICAL SCALE: 1"=30'
HORIZONTAL SCALE: 1"=10'

STANDARD COUNTY NOTE:

1. NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW

REVISION	BY	DATE	DESCRIPTION
3.	MM	4/24/20	REVISIONS PER 4/10/20 OGDWP COMMENT LETTER
2.	MM	8/26/19	REVISIONS PER 3/25/19 FUSCO COMMENT LETTER & 3/29/19 KALA COMMENT LETTER
1.	MM	8/9/19	REVISIONS PER NYSDEC WETLAND DELINEATION

THIS SHEET IS NOT VALID WITHOUT ALL OF THE SHEETS THAT COMPRISE THE SET

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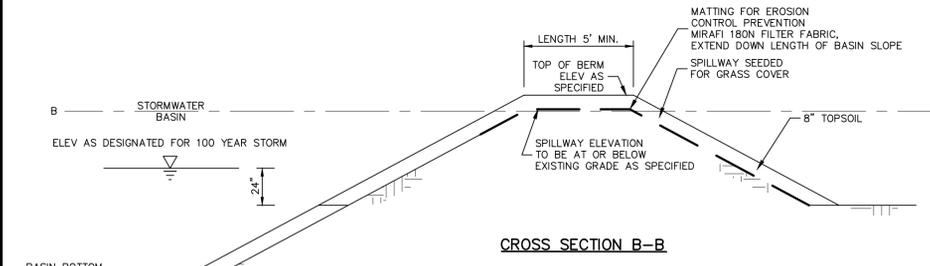
SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

JOB#: 18-029
SCALE: AS NOTED
DATE: 3/15/19
DRAWN: MM
CHECKED: MM
SHEET NO. 16 OF 20

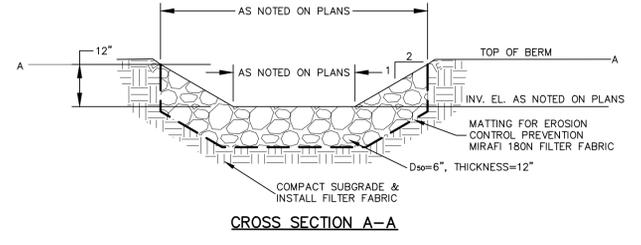
STORMWATER CONSTRUCTION DETAILS

STORMWATER BASIN DATA

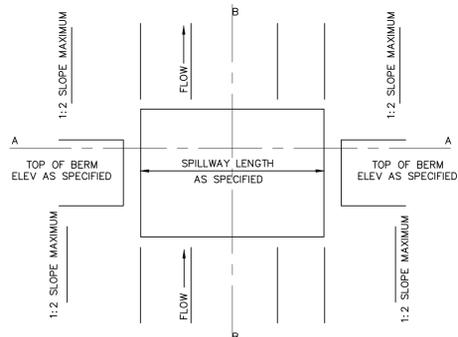
	OS-1	OS-2
A INVERT OF OUTLET STRUCTURE	501.75	441.75
B OUTLET STRUCTURE DIMENSIONS (OUTSIDE)	60" x 60"	60" x 60"
C TOP OF STRUCTURE ELEVATION	503	445.5
D BOTTOM OF STRUCTURE ELEVATION	501.25	441.25
E CULVERT: DIAMETER/INVERT ELEVATION	15" / 503	15" / 442.5
F BASIN SURFACE ELEVATION	502	441.5
G FIBERGLASS GRATE DIMENSION	60" x 60"	60" x 60"
H UNDERDRAIN INVERT ELEVATION	449.0	N/A
I UNDERDRAIN SYSTEM LENGTH	173'	N/A
J TOP OF PERIMETER BERM	506	446
K EMERGENCY SPILLWAY: ELEVATION	506.3	445.5
LENGTH x WIDTH	15'x5'	15'x5'
DEPTH	12"	12"



CROSS SECTION B-B



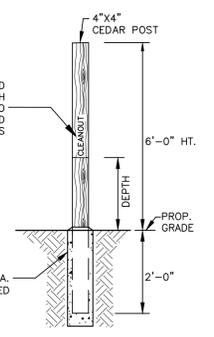
CROSS SECTION A-A



SPILLWAY DETAILS (TYP.)

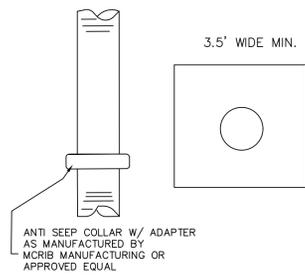
SEDIMENT CLEANOUT

FACILITY	BOTTOM ELEV.	CLEANOUT ELEV.	DEPTH
I-BASIN	502.0	504.0	2 FT.



SEDIMENTATION BASIN CLEANOUT MARKER

NOT TO SCALE



ANTI-SEEP COLLAR DETAIL

NOT TO SCALE

NOTES:

- WHEN CASTING ANTI-SEEP COLLAR, EXCAVATION SHALL BE DONE BY HAND TO MINIMIZE DISTURBANCE TO SURROUNDING MATERIAL
- CONCRETE STRENGTH 3500 PSI AT 28 DAYS.
- OUTLET PIPE FOR BASIN TO HAVE TWO COLLARS IF OUTLET LENGTH EXCEEDS 43 FEET
- ANTI-SEEP COLLARS SHALL BE PROVIDED WHERE NECESSARY.

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ONLY MAPS WITH EMBOSSED SEALS ARE GENUINE COPIES OF THE ORIGINAL WORK AND OPINION. MAPS NOT BEARING EMBOSSED SEALS SHOULD NOT BE RELIED UPON SINCE OTHER THAN EMBOSSED-SEAL COPIES MAY CONTAIN UNAUTHORIZED AND UNDETECTABLE MODIFICATIONS, DELETIONS, ADDITIONS AND CHANGES.

SOIL RESTORATION NOTES:

DURING PERIODS OF RELATIVELY LOW TO MODERATE SUBSOIL MOISTURE, THE DISTURBED SUBSOILS ARE RETURNED TO ROUGH GRADE AND THE FOLLOWING SOIL RESTORATION STEPS APPLIED:

- 1) APPLY 3 INCHES OF COMPOST OVER SUBSOIL.
- 2) TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR-MOUNTED DISC, OR TILLER, MIXING AND CIRCULATING AIR AND COMPOST INTO SUBSOILS.
- 3) ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE
- 4) APPLY TOPSOIL TO A DEPTH OF SIX INCHES.
- 5) VEGETATE AS REQUIRED BY APPROVED PLAN.

COMPOST SPECIFICATIONS:

- 1) COMPOST SHALL BE AGED, FROM PLANT DERIVED MATERIALS, FREE OF VIABLE WEED SEEDS, HAVE NO VISIBLE FREE WATER OR DUST PRODUCED WHEN HANDLING, PASS THROUGH A HALF INCH SCREEN AND HAVE A PH SUITABLE TO GROW DESIRED PLANTS.

MAINTENANCE:

- 1) SIMPLE MAINTENANCE SHOULD IDENTIFY WHERE SOIL RESTORATION IS APPLIED, WHERE NEWLY RESTORED AREAS ARE/CANNOT BE CLEARED, WHO THE RESPONSIBLE PARTIES ARE TO ENSURE THAT ROUTINE VEGETATION IMPROVEMENTS ARE MADE (THINNING, INVASIVE PLANT REMOVAL ETC.)
- 2) SOIL COMPOST AMENDMENTS WITHIN A FILTER STRIP OR GRASS CHANNEL SHOULD BE LOCATED IN PUBLIC RIGHT OF WAY, OR WITHIN A DEDICATED STORMWATER OR DRAINAGE EASEMENT.
- 3) FIVE YEAR MAINTENANCE OPERATIONS INCLUDES:
 - a) INITIAL INSPECTIONS FOR THE FIRST SIX MONTHS (ONCE AFTER EACH STORM GREATER THAN HALF-INCH)
 - b) RESEEDING TO REPAIR BARE OR ERODING AREAS TO ASSURE GRASS STABILIZATION
 - c) WATER ONCE EVERY THREE DAYS FOR THE FIRST MONTH, AND THEN PROVIDE A HALF INCH OF WATER PER WEEK DURING THE FIRST YEAR. IRRIGATION PLAN MAY BE ADJUSTED ACCORDING TO THE RAIN EVENT.
 - d) FERTILIZATION MAY BE NEEDED IN THE FALL AFTER THE FIRST GROWING SEASON TO INCREASE PLANT VIGOR.
- 4) TO ASSIST IN ONGOING MAINTENANCE, PLANTING THE APPROPRIATE GROUND COVER WITH DEEP ROOTS TO MAINTAIN THE SOIL STRUCTURE, AND KEEP THE SITE FREE OF VEHICULAR AND FOOT TRAFFIC OR OTHER WEIGHT LOADS. SOMETIMES IT MAY BE NECESSARY TO DE-THATCH THE TURF EVERY FEW YEARS.

INFILTRATION FACILITY NOTES:

1. 6" TOPSOIL SUITABLE FOR VEGETATIVE COVER WILL BE APPLIED TO VEGETATIVE AREAS. THE PLANTING SOIL SHOULD BE A SANDY LOAM, LOAMY SAND, LOAM (USDA), OR A LOAM / SAND MIX. SOILS SHOULD FALL WITHIN THE SM, OR ML CLASSIFICATIONS OF THE UNIFIED SOIL CLASSIFICATION SYSTEM (USDC). A PERMEABILITY OF AT LEAST 1.0 FEET PER DAY (0.5"/HR) IS REQUIRED. SOIL SHOULD BE FREE OF STONES, STUMPS, ROOTS, OR OTHER WOODY MATERIAL OVER 1" IN DIAMETER. BRUSH OR SEEDS FROM NOXIOUS WEEDS.
2. THE INFILTRATION SYSTEM SHALL BE PLANTED PRIMARILY WITH GRASSES OF THE FESCUE FAMILY IN ACCORDANCE WITH THE NEW YORK STATE STORMWATER MANAGEMENT MANUAL, APPENDIX C, SECTION C.2 CONSTRUCTION SPECIFICATIONS FOR INFILTRATION PRACTICES. ADDITIONAL PLANTINGS ARE ACCEPTABLE IF THEY DO NOT INTERFERE WITH THE MAINTENANCE OF THE SYSTEM, BUT ARE NOT REQUIRED, AND MAY BE ELIMINATED.
3. IN NORMAL CONDITIONS, INFILTRATION WILL BE DRY, AND BALL VALVE IN CURB EXTENSION WILL BE IN THE CLOSED POSITION. GRAVEL TRENCH PIPE DRAIN IS PROVIDED IN CASE OF LONG TERM STANDING WATER. BALL VALVE CAN BE ACCESSED THROUGH CURB EXTENSION TO OPEN BALL VALVE FOR DRAINAGE.
4. THE APPROXIMATE OUTER LIMITS OF THE PRETREATMENT AREA IS AS SHOWN ON THE PLAN. THIS AREA IS PART OF THE STORMWATER FACILITY, AND ANY FUTURE MODIFICATIONS TO THIS AREA WILL REQUIRE REVIEW AND APPROVAL BY THE NYS DEC.
5. ASSURANCE MUST BE TAKEN THAT ANY LANDSCAPING INSTALLED DOES NOT INHIBIT FUNCTION OR MAINTENANCE OF STORMWATER MANAGEMENT STRUCTURES.

INFILTRATION BASIN CONSTRUCTION NOTES & SPECIFICATIONS:

1. THE SEQUENCE OF VARIOUS PHASES OF BASIN CONSTRUCTION SHALL BE COORDINATED WITH THE OVERALL PROJECT CONSTRUCTION SCHEDULE. A PROGRAM SHOULD SCHEDULE ROUGH EXCAVATION OF THE BASIN (TO NOT LESS THAN 2" FROM FINAL GRADE) WITH THE ROUGH GRADING PHASE OF THE PROJECT TO PERMIT USE OF THE MATERIAL AS FILL IN EARTHWORK AREAS. THE PARTIALLY EXCAVATED BASIN, HOWEVER, CANNOT SERVE AS A SEDIMENTATION BASIN. SPECIFICATIONS FOR BASIN CONSTRUCTION SHOULD STATE: (1) THE EARLIEST POINT IN PROGRESS WHEN STORM DRAINAGE MAY BE DIRECTED TO THE BASIN, AND (2) THE MEANS BY WHICH THIS DELAY IN USE IS TO BE ACCOMPLISHED, DUE TO THE WIDE VARIETY OF CONDITIONS ENCOUNTERED AMONG PROJECTS, EACH SHOULD BE SEPARATELY EVALUATED IN ORDER TO POSTPONE USE AS LONG AS IS REASONABLY POSSIBLE.
2. INITIAL BASIN EXCAVATION SHOULD BE CARRIED TO WITHIN 2 FEET OF THE FINAL ELEVATION OF THE BASIN FLOOR. FINAL EXCAVATION TO THE FINISHED GRADE SHOULD BE DEFERRED UNTIL ALL DISTURBED AREAS ON THE WATERSHED HAVE BEEN STABILIZED OR PROTECTED. THE FINAL PHASE EXCAVATION SHOULD REMOVE ALL ACCUMULATED SEDIMENT, RELATIVELY LIGHT TRACKED EQUIPMENT IS RECOMMENDED FOR THIS OPERATION TO AVOID COMPACTION OF THE BASIN FLOOR. AFTER THE FINAL GRADING IS COMPLETED, THE BASIN SHOULD RETAIN A HIGHLY POROUS SURFACE TEXTURE.
3. INFILTRATION BASINS MAY BE LINED WITH A 6- TO 12-INCH LAYER OF FILTER MATERIAL SUCH AS COARSE SAND (AASHTO STD. M-43, SIZES 9 OR 10) TO HELP PREVENT THE BUILDUP OF IMPERVIOUS DEPOSITS ON THE SOIL SURFACE. THE FILTER LAYER CAN BE REPLACED OR CLEANED WHEN IT BECOMES CLOGGED. WHEN A 6-INCH LAYER OF COARSE ORGANIC MATERIAL IS SPECIFIED FOR DISCING (SUCH AS HULLS, LEAVES, STEMS, ETC.) OR SPADING INTO THE BASIN FLOOR TO INCREASE THE PERMEABILITY OF THE SOILS, THE BASIN FLOOR SHOULD BE SOAKED OR INUNDATED FOR A BRIEF PERIOD, THEN ALLOWED TO DRY SUBSEQUENT TO THIS OPERATION. THIS INDUCES THE ORGANIC MATERIAL TO DECAY RAPIDLY, LOOSENING THE UPPER SOIL LAYER.
4. ESTABLISHING DENSE VEGETATION ON THE BASIN SIDE SLOPES AND FLOOR IS RECOMMENDED. A DENSE VEGETATIVE STAND WILL NOT ONLY PREVENT EROSION AND SLOUGHING, BUT WILL ALSO PROVIDE A NATURAL MEANS OF MAINTAINING RELATIVELY HIGH INFILTRATION RATES. EROSION PROTECTION OF INFLOW POINTS TO THE BASIN SHALL ALSO BE PROVIDED.
5. SELECTION OF SUITABLE VEGETATIVE MATERIALS FOR THE SIDE SLOPE AND ALL OTHER AREAS TO BE STABILIZED WITH VEGETATION AND APPLICATION OF REQUIRED LIME, FERTILIZER, ETC. SHALL BE DONE IN ACCORDANCE WITH THE NRCS STANDARDS AND SPECIFICATIONS OR YOUR LOCAL STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
6. GRASSES OF THE FESCUE FAMILY ARE RECOMMENDED FOR SEEDING PRIMARILY DUE TO THEIR ADAPTABILITY TO DRY SANDY SOILS, DROUGHT RESISTANCE, HARDINESS, AND ABILITY TO WITHSTAND BRIEF INUNDATIONS. THE USE OF FESCUES WILL ALSO PERMIT LONG INTERVALS BETWEEN MOWINGS. THIS IS IMPORTANT DUE TO THE RELATIVELY STEEP SLOPES WHICH MAKE MOWING DIFFICULT. MOWING TWICE A YEAR, ONCE IN JUNE AND AGAIN IN SEPTEMBER, IS GENERALLY SUFFICIENT.

OUTLET STRUCTURE NOTES:

1. ALL CONCRETE SHALL BE A MINIMUM 4,000 PSI.
2. ALL TRASH RACK CONNECTIONS TO OUTLET STRUCTURE SHALL BE ALUMINUM.
3. UPON COMPLETION OF STORMWATER CONSTRUCTION, OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE DRAINAGE FACILITIES IN ACCORDANCE WITH THE NYSDEC STORMWATER MANAGEMENT DESIGN MANUAL. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO:
 - a. REMOVAL OF DEBRIS FROM TRASH RACKS
 - b. ROUTINE GRASS CUTTING AROUND INLET PIPES, ORIFICES
 - c. SEDIMENT AND GRIT REMOVAL
4. TRASH RACKS FOR OS-1 RIM & RECTANGULAR WEIR PROVIDED BY WOODARDS CONCRETE PRODUCTS, OR EQUAL.
5. PIPES ARE TO BE FLUSH WITH THE INSIDE OF THE OUTLET STRUCTURE WALLS.

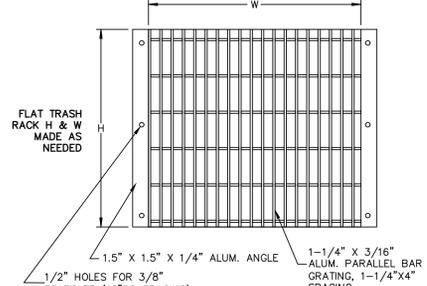
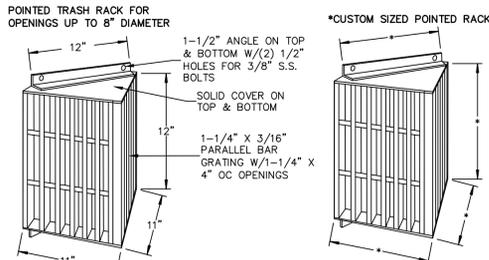
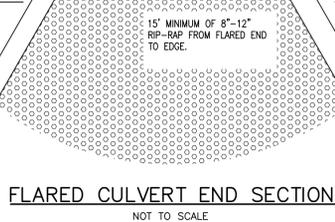
DRAINAGE NOTES:

1. ALL CONCRETE SHALL BE A MINIMUM 4,000 PSI.
2. UPON COMPLETION OF INFILTRATION BASIN CONSTRUCTION, OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE DRAINAGE FACILITIES IN ACCORDANCE WITH THE NYSDEC STORMWATER MANAGEMENT DESIGN MANUAL. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO:
 - a. REMOVAL OF DEBRIS FROM TRASH RACKS
 - b. ROUTINE GRASS CUTTING AROUND INLET PIPES, ORIFICES
 - c. SEDIMENT AND GRIT REMOVAL
3. TRASH RACK IS MANF. BY PLASTIC SOLUTIONS, OR EQUAL.
4. PIPES ARE TO BE FLUSH WITH THE INSIDE OF THE OUTLET STRUCTURE WALLS.

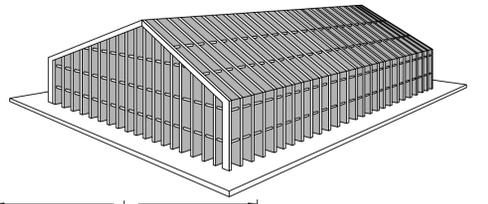
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FLARED CULVERT END SECTION

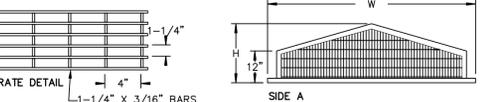


ALUMINUM TRASH RACK FOR CONCRETE WEIR
NOT TO SCALE

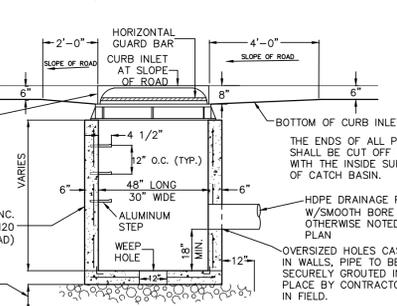
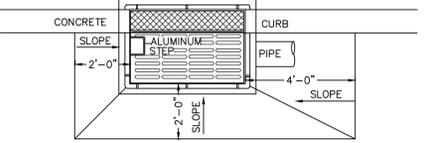


STRUCTURE ID# (IN.)	L	W	H
30x48	58"	40"	24"
48x48	58"	58"	24"
60x60	70"	70"	24"

*THESE GRATES CAN BE CUSTOM MADE TO FIT ANY SIZE.

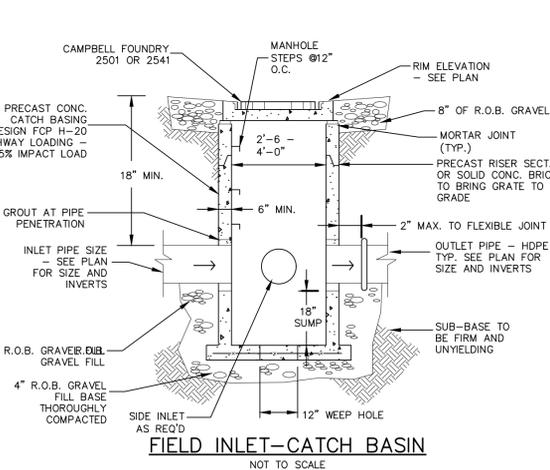


PEAKED ALUMINUM TRASH RACK FOR POND OUTLET
NOT TO SCALE

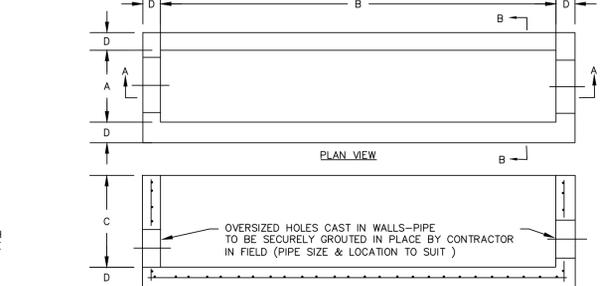


CURB INLET-CATCH BASIN
NOT TO SCALE

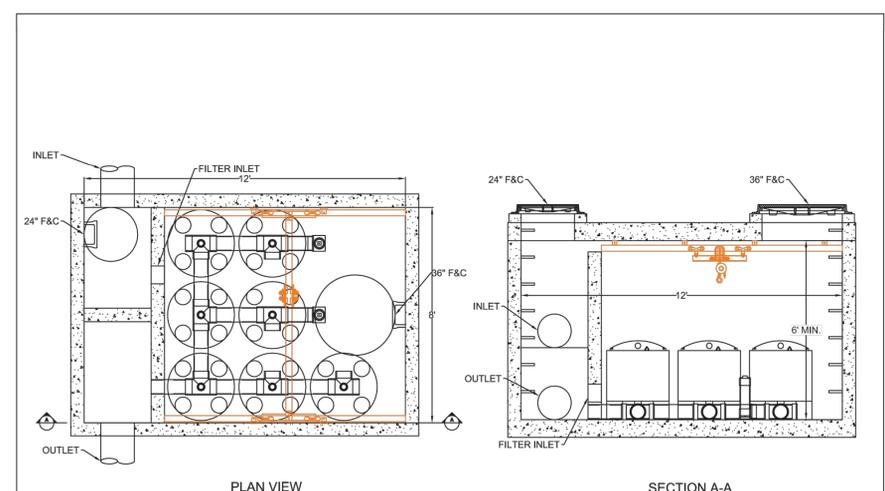
- NOTES:
1. RETAINER GLANDS ARE REQUIRED ON ALL FITTINGS IN ADDITION TO THE RODS AND THRUST BLOCKS.
 2. ALL UTILITY TRENCHES WITHIN PAVED AREAS SHALL BE BACKFILLED FULL DEPTH WITH RUN-OF-BANK GRAVEL. ALL UTILITIES TO BE DEDICATED TO THE TOWN SHALL MEET TOWN OF WALLKILL SPECIFICATIONS.



FIELD INLET-CATCH BASIN
NOT TO SCALE



TRENCH DRAIN
NOT TO SCALE



BAYSAVER TECHNOLOGIES 1030 Deer Hollow Drive Mount Airy, MD 21771 1-800-BAYSAYER 1-800-229-7283	ADS 4640 TRUEMAN BLVD HILLIARD, OH 43038 1-800-733-7473	THE BAYFILTER STORMWATER MANAGEMENT SYSTEM IS A STORMWATER FILTRATION DEVICE DESIGNED TO REMOVE FINE SEDIMENTS, HEAVY METALS, AND PHOSPHORUS. THE BAYFILTER SYSTEM CONSISTS OF A RIGID WOUND MEDIA FILTER CARTRIDGE WITH APPROXIMATELY 70 SQUARE FEET OF FILTRATION AREA. THE FILTER CARTRIDGES ARE HOUSED IN A CONCRETE STRUCTURE THAT IS 8 FEET DEEPER THAN THE BASIN. THE SYSTEM IS DESIGNED TO BE INSTALLED INLINE WITH AN INTERNAL BYPASS VALVE THAT ROUTES HIGH WATERS AROUND THE CARTRIDGE. THE FILTER CARTRIDGES REMOVE POLLUTANTS FROM RUNOFF BY FILTRATION (INTERCEPTION/ATTACHMENT) AND ADSORPTION.	FLOW RATE: 0.70 CFS CARTRIDGE TYPE: S&S QTY. CARTRIDGES: 7 SEDIMENT CAPACITY: 2400 LBS DATE: 9/20/18 DRAWN: EKH CHECKED: PR SCALE: N.T.S.
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BAYFILTER BF 8-12-7

STORMWATER FACILITY MAINTENANCE NOTES:

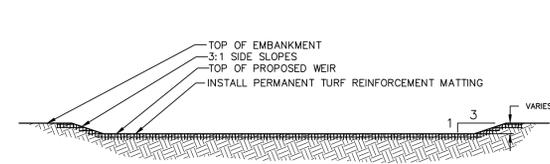
STORMWATER MANAGEMENT FACILITIES SHALL BE REGULARLY MAINTAINED TO ENSURE THEY FUNCTION AT DESIGN CAPACITY AND TO PREVENT HEALTH HAZARDS ASSOCIATED WITH DEBRIS AND STAGNANT WATER. THE PRIVATELY OWNED PORTION OF THE SYSTEM MUST BE PRIVATELY MAINTAINED.

RESPONSIBILITY FOR THE OPERATION AND MAINTENANCE OF THE STORM WATER FACILITIES, INCLUDING PERIODIC REMOVAL AND DISPOSAL OF ACCUMULATED PARTICULATE MATERIAL AND DEBRIS, BUT NOT LIMITED TO THE FOLLOWING: VISUAL INSPECTION OF ALL SYSTEM COMPONENTS AT LEAST TWICE A YEAR; VACUUMING OF ALL STORM SEWER INLETS ONCE EVERY SIX MONTHS (FREQUENCY MAY BE ADJUSTED TO ONCE A YEAR IF FIRST YEAR MAINTENANCE RECORDS INDICATE THAT SEDIMENT AND DEBRIS ACCUMULATION IS INSIGNIFICANT); REVERSE FLUSHING AND VACUUMING IF SYSTEM INSPECTION INDICATE SIGNIFICANT ACCUMULATION OF SEDIMENT IN THE PIPES; AND PERIODIC REMOVAL AND DISPOSAL OF OTHER MATERIAL AND DEBRIS SHALL REMAIN WITH THE OWNER OR OWNERS OF THE PROPERTY, WITH PERMANENT ARRANGEMENTS THAT SHALL PASS TO ANY SUCCESSIVE OWNER, UNLESS ASSUMED BY A GOVERNMENTAL AGENCY.

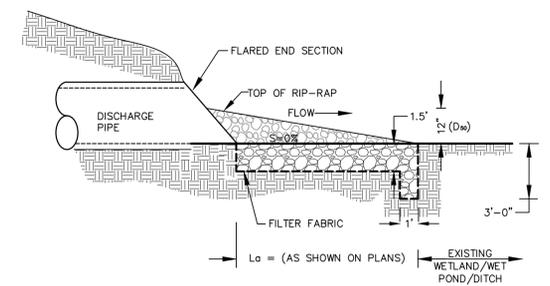
IN THE EVENT THAT THE FACILITY BECOMES A DANGER TO PUBLIC SAFETY OR PUBLIC HEALTH, OR IT IS IN NEED OF MAINTENANCE, THE OWNER SHALL EFFECT SUCH MAINTENANCE AND REPAIR OF THE FACILITY IN A MANNER THAT IS APPROVED BY THE TOWN ENGINEER OR HIS DESIGNEE. IF THE OWNER FAILS TO PERFORM SUCH MAINTENANCE AND REPAIR, THE MUNICIPALITY MAY IMMEDIATELY PROCEED TO DO SO AND SHALL BILL THE COST TO THE OWNER.

SEDIMENT TRAP & BASIN CONSTRUCTION SPECIFICATIONS:

1. THE AREA OF THE PROPOSED SEDIMENT BASIN SHALL BE USED AS A SEDIMENT TRAP PRIOR TO FINAL CONSTRUCTION OF THE INFILTRATION BASIN. SEDIMENT TRAP SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT, INCLUSION OF VEGETATION, ORGANIC MATERIAL, OR FROZEN SOIL IN THE EMBANKMENT, AS WELL AS PLACING OF EMBANKMENT MATERIAL ON A FROZEN SURFACE IS PROHIBITED.
2. THE FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED IF POSSIBLE. MAXIMUM HEIGHT OF EMBANKMENT SHALL BE FIVE (5) FEET, MEASURED AT CENTERLINE OF EMBANKMENT. PLACE FILL IN LIFTS NOT TO EXCEED 9" AND MACHINE COMPACT.
3. ALL FILL SLOPES SHALL BE 2:1 OR FLATTER, CUT SLOPES 1:1 OR FLATTER.
4. ELEVATION OF THE TOP OF ANY DIKE DIRECTING WATER INTO TRAP MUST EQUAL OR EXCEED HEIGHT OF EMBANKMENT.
5. ENSURE THAT THE SPILLWAY CREST IS LEVEL AND AT LEAST 1.5' BELOW THE TOP OF THE DAM AT ALL POINTS.
6. FILTER CLOTH SHALL BE PLACED OVER THE BOTTOM OF THE OUTLET CHANNEL PRIOR TO PLACEMENT OF STONE. SECTIONS OF FABRIC MUST OVERLAP AT LEAST ONE (1) FOOT WITH SECTION NEAREST THE ENTRANCE PLACED ON TOP. FABRIC SHALL BE EMBEDDED AT LEAST SIX (6) INCHES INTO EXISTING GROUND AT ENTRANCE OF OUTLET CHANNEL.
7. STONE USED IN OUTLET CHANNEL SHALL BE FOUR (4) TO EIGHT (8) INCHES (RIP RAP), TO PROVIDE A FILTERING EFFECT. STONE USED FOR SPILLWAY SECTION-CLASS "B" EROSION CONTROL STONE. STONE USED ON INSIDE SPILLWAY FACE TO CONTROL DRAINAGE - D.O.T. #57 WASHED STONE. A LAYER OF FILTER CLOTH SHALL BE EMBEDDED ONE (1) FOOT WITH SECTION NEAREST ENTRANCE PLACED ON TOP. FABRIC SHALL BE EMBEDDED AT LEAST SIX (6) INCHES INTO EXISTING GROUND AT ENTRANCE OF OUTLET CHANNEL.
8. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
9. THE SEDIMENT TRAP SHALL BE INSPECTED AFTER EACH RAIN AND SHALL BE REPAIRED AS NEEDED.
10. CONSTRUCT EMBANKMENT AND STONE SPILLWAY TO DIMENSIONS, SLOPES AND ELEVATIONS SHOWN ON THE PLAN.
11. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.
12. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
13. DRAINAGE AREA FOR THIS PRACTICE IS LIMITED TO 15 ACRES.
15. ENSURE THAT THE TOP OF THE EMBANKMENT AT ALL POINTS IF 0.5' ABOVE NATURAL SURROUNDING GROUND.
16. IMMEDIATELY STABILIZE THE EMBANKMENT AND ALL DISTURBED AREAS AS IN ACCORDANCE WITH THE SPECIFICATIONS SHOWN ON THE GENERAL PLANSET AND EROSION AND SEDIMENT CONTROL PLANS.



TYPICAL FOREBAY WEIR
NOT TO SCALE



RIP-RAP OUTLET PROTECTION DETAIL
NOT TO SCALE

Dig Safely. New York
Call 811
before you dig

REVISION	BY	DATE	DESCRIPTION
2.	MM	8/26/19	REVISIONS PER 3/25/19 FUSCO COMMENT LETTER & 3/29/19 KALA COMMENT LETTER
1.	MM	8/9/19	REVISIONS PER NYSDEC WETLAND DELINEATION

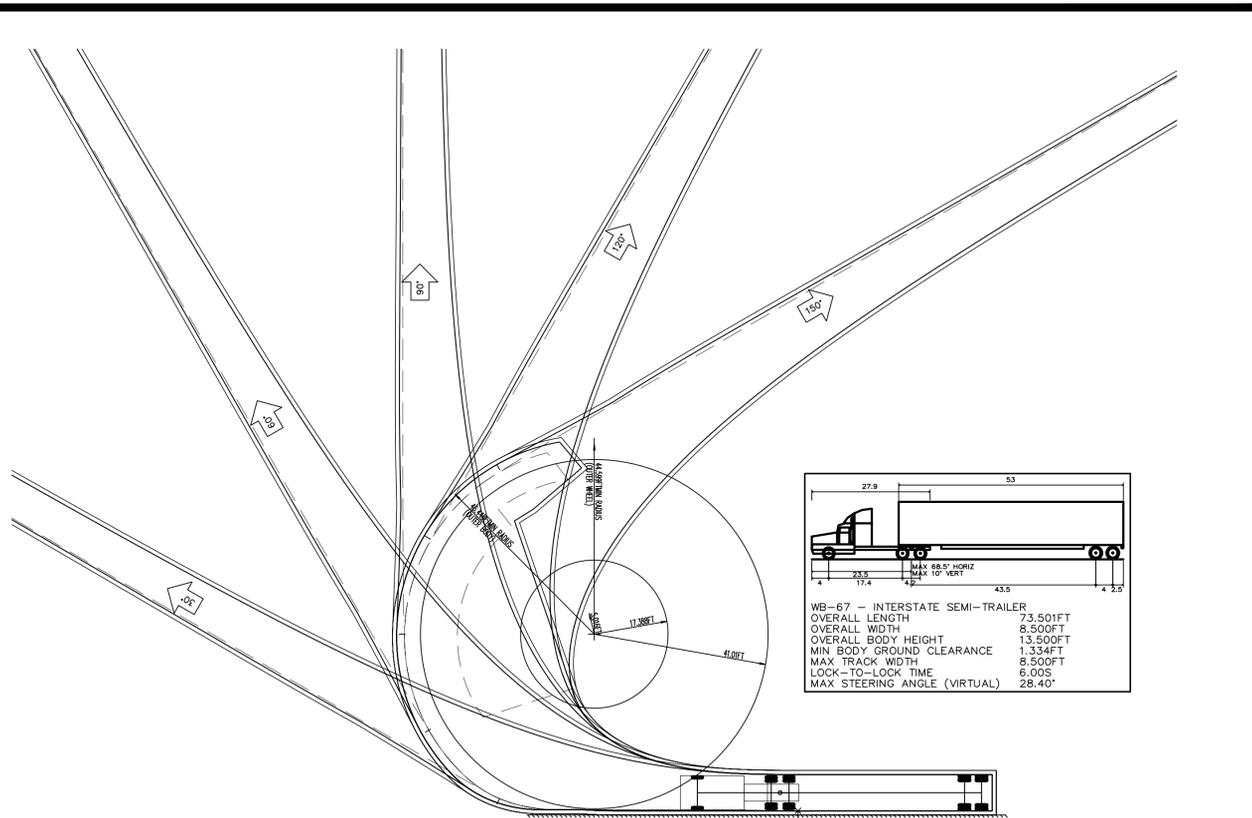
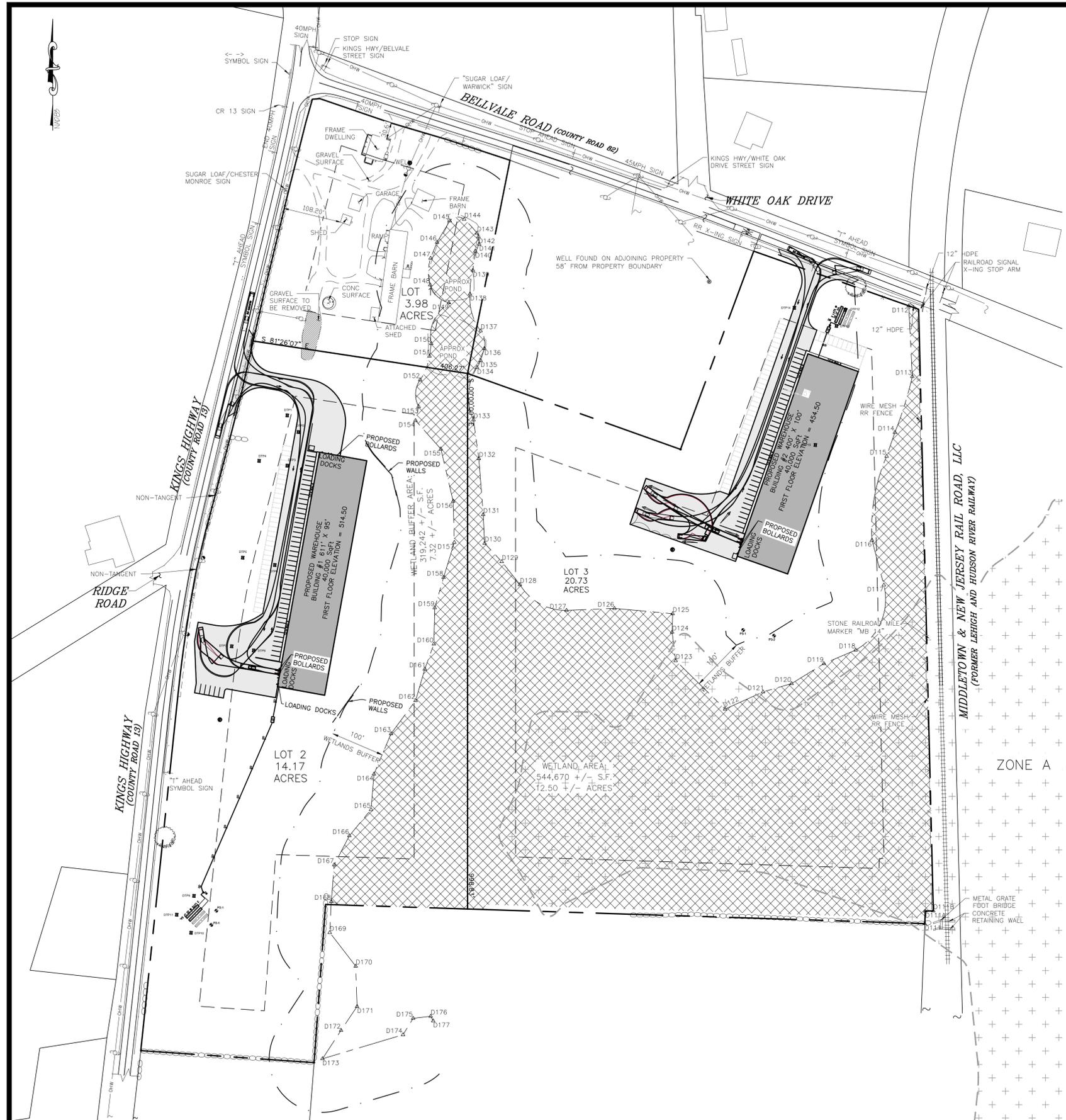
THIS SHEET IS NOT VALID WITHOUT ALL OF THE SHEETS THAT COMPRISE THE SET

ARDEN CONSULTING ENGINEERS, PLLC
P.O. BOX 340 MONROE, N.Y.
TEL: (845) 782-8114
WWW.ARDENCONSULTING.NET

SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

JOB#: 18-029
SCALE: AS NOTED
DATE: 3/15/19
DRAWN: MM
CHECKED: MM
SHEET NO. 17 of 20

MICHAEL A. MORGANTE, P.E.
LIC. NO. 78577

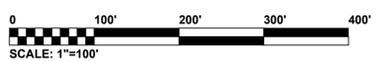


WB-67 - INTERSTATE SEMI-TRAILER	
OVERALL LENGTH	73.50FT
OVERALL WIDTH	8.500FT
OVERALL BODY HEIGHT	13.500FT
MIN BODY GROUND CLEARANCE	1.334FT
MAX TRACK WIDTH	8.500FT
LOCK-TO-LOCK TIME	6.00S
MAX STEERING ANGLE (VIRTUAL)	28.40°

LEGEND:

	EXISTING BUILDING
	EXISTING WATER EDGE
	EXISTING WETLANDS BUFFER
	EXISTING EDGE OF PAVEMENT
	EXISTING YELLOW LINE
	EXISTING WHITE LINE
	EXISTING OVERHEAD WIRE
	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING STONE WALL
	EXISTING DRAINAGE LINE
	EXISTING WETLAND
	TREE
	STEEL BRIDGE
	EXISTING GUY
	RAIL ROAD TRUCK
	GRAVEL SURFACE TO BE REMOVED
	EXISTING RAILROAD SIGNAL X-ING STOP ARM
	PERCOLATION TEST
	EXISTING WELL
	EXISTING LIGHT POLE
	EXISTING IRON PIPE MARKER
	EXISTING IRON ROD MARKER
	EXISTING SIGN
	PROPOSED WELL
	PROPOSED BUILDING
	PROPOSED EDGE OF PAVEMENT
	PROPOSED SEWER LINE
	PROPOSED SEWER CLEANOUT
	PROPOSED SEPTIC TANK
	PROPOSED DISTRIBUTION BOX
	PROPOSED RIPRAP
	PROPOSED PROPERTY LINE
	DEEP TESTS
	EXISTING FLOOD ZONE

TURNING DIAGRAMS
SCALE: 1"=100'



STANDARD COUNTY NOTE:

1. NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW

REVISION	BY	DATE	DESCRIPTION
4.	MM	4/24/20	REVISIONS PER 4/10/20 ODCPW COMMENT LETTER
3.	MM	8/26/19	REVISIONS PER 3/25/19 FUSCO COMMENT LETTER & 3/29/19 KALA COMMENT LETTER
2.	MM	8/9/19	REVISIONS PER NYSDEC WETLAND DELINEATION
1.	MM	3/15/19	REVISIONS PER 1/28/19 FUSCO COMMENT LETTER

THIS SHEET IS NOT VALID WITHOUT ALL OF THE SHEETS THAT COMPRISE THE SET

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SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
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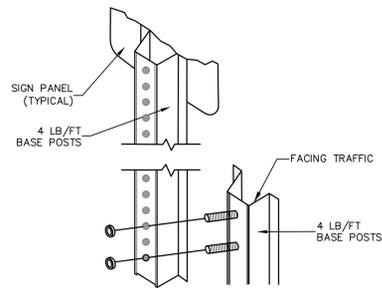
TURNING DIAGRAMS

JOB#: 18-029
SCALE: AS NOTED
DATE: 1/21/19
DRAWN: MM
CHECKED: MM
SHEET NO. 18 OF 20

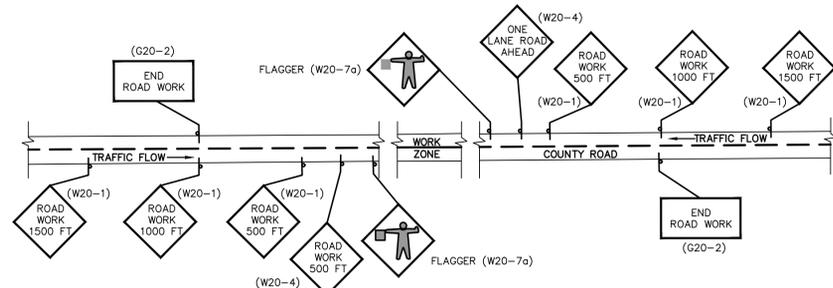
MICHAEL A. MORGANTE, P.E.
LIC. NO. 78577

WARNING- IT IS A VIOLATION OF NEW YORK EDUCATIONAL LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATIONAL LAW, SECTION 7209.2

ONLY MAPS WITH EMBOSSED SEALS ARE GENUINE COPIES OF THE ORIGINAL WORK AND OPINION. MAPS NOT BEARING EMBOSSED SEALS SHOULD NOT BE RELIED UPON SINCE OTHER THAN EMBOSSED-SEAL COPIES MAY CONTAIN UNAUTHORIZED AND UNDETECTABLE MODIFICATIONS, DELETIONS, ADDITIONS AND CHANGES.

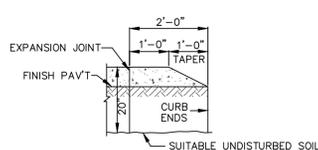


ANCHOR POST ASSEMBLY SIGN SUPPORTS
NOT TO SCALE

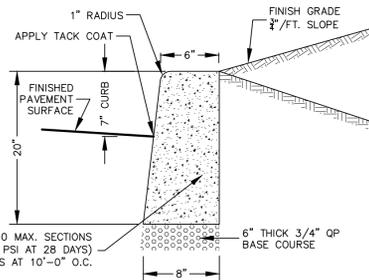


- NOTES:**
- WORK ZONE PROTECTION IS REQUIRED AND SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) NEW YORK STATE SUPPLEMENT AND ANY OTHER COUNTY REQUIREMENTS.
 - 30'x36" CLASS B "HIGH INTENSITY" SHEETING (OR BETTER) SIGNS.
 - 7 FT. SIGN HEIGHT.
 - IF FLAGGER & ONE LANE ROAD AHEAD SIGNS ARE NOT PORTABLE, SIGNS ARE TO BE COVERED AT THE END OF EACH WORK DAY.

MAINTENANCE & PROTECTION OF TRAFFIC PLAN
NOT TO SCALE



CURB RETURN DETAIL
NOT TO SCALE

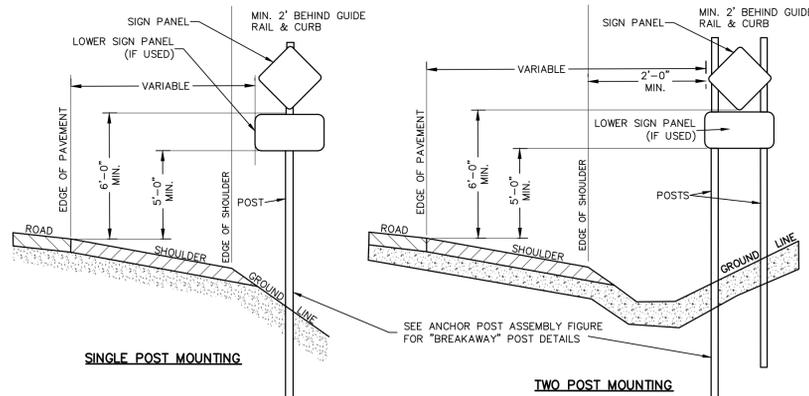


CONCRETE CURB DETAIL
NOT TO SCALE

ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD NOTES (FOR HIGHWAY WORK, SITE PLANS AND SUBDIVISIONS)

- NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.
- NO UTILITY WORK (WATER, SEWER, STORM DRAINAGE) IS ALLOWED TO BE PERFORMED WITHIN THE COUNTY RIGHT-OF-WAY BETWEEN NOVEMBER 15 AND MARCH 15.
- NO LANE CLOSURES WILL BE PERMITTED BETWEEN 12:00 NOON ON THE DAY PRIOR TO A HOLIDAY AND 10:00 AM ON THE DAY AFTER A HOLIDAY. NO WORK IS PERMITTED ON HOLIDAYS AS PER ORANGE COUNTY'S APPROVED HOLIDAY SCHEDULE.
- ORANGE COUNTY RESERVES THE RIGHT TO PRECLUDE ALL WORK AND LANE CLOSURES DURING ANY INCLEMENT WEATHER OR OTHER UNFORESEEN CIRCUMSTANCES (I.E. WET, ICY CONDITIONS, REDUCED VISIBILITY, TRAFFIC ACCIDENTS ON STATE, COUNTY, TOWN OR VILLAGE ROADS) OR DURING ANY OTHER EMERGENCIES.
- NO TRACK EQUIPMENT IS ALLOWED ON THE COUNTY ROAD WITHOUT PLACING MATS, PLYWOOD, TIRES, ETC., TO PROTECT THE ASPHALT ROAD.
- NO OPEN TRENCHES ARE ALLOWED TO REMAIN OPEN OVERNIGHT WITHIN THE COUNTY RIGHT-OF-WAY. ALL TRENCHES ARE REQUIRED TO BE BACKFILLED ON A DAILY BASIS.
- NO ROAD PLATES ARE ALLOWED TO BE USED OVERNIGHT. ROAD PLATES ARE ONLY ALLOWED TO BE USED DURING DAILY OPERATIONS TO MAINTAIN TRAFFIC THROUGH THE WORK ZONE.
- OSHA REQUIREMENTS (29 CFR 1926) MUST BE ADHERED TO AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING ANY TRENCH OR EXCAVATION THAT IS GREATER THAN FIVE (5) FEET OR WHICH, IN THE OPINION OF THE OCDPW INSPECTOR IN THE FIELD, POSSES A DANGER TO THE CONTRACTOR'S PERSONNEL ON THE JOB. THE CONTRACTOR HAS THE OPTION OF USING A PREFABRICATED SHORING SYSTEM, INSTALLING A TIMBER-CONSTRUCTED SYSTEM AS PER OSHA SPECIFICATIONS, OR A TIMBER SYSTEM DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER. NO OTHER SHORING SYSTEM WILL BE APPROVED FOR USE.
- ALL BACKFILL IS REQUIRED TO BE PLACED AND COMPACTED IN 12 INCH LIFTS, MAXIMUM.
- A MECHANICAL WEEPER MUST BE AVAILABLE AT ALL TIMES TO SWEEP AND MAINTAIN SAFE ROAD CONDITIONS ON THE COUNTY ROAD. THE ROADWAY SHALL BE SWEEP DAILY OR AS OTHERWISE REQUIRED BY THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS.
- FOR EXCAVATION WORK, THE FOLLOWING EQUIPMENT IS REQUIRED TO BE ON-SITE AND FULLY OPERATIONAL:
 - VIBRATORY TRENCH ROLLER PRIMARY COMPACTION EQUIPMENT.
 - JUMPING JACK COMPACTOR SECONDARY COMPACTION EQUIPMENT FOR USE IN TIGHT AREAS WHERE THE VIBRATORY TRENCH ROLLER CANNOT BE USED.
 - MECHANICAL SWEEPER.
 - SIDE DUMP LOADER OR SKID STEER (I.E. BOBCAT)
 - ASPHALT ROLLER.
- IF ANY OF THE ABOVE EQUIPMENT IS NOT OPERATIONAL, NO EXCAVATION SHALL BE PERFORMED UNTIL ALL EQUIPMENT IS FUNCTIONING PROPERLY.
- ALL ASPHALT SHALL BE SAW-CUT PRIOR TO REMOVAL. CUTS SHALL BE PARALLEL OR PERPENDICULAR TO THE TRENCH OR TO THE EXISTING ASPHALT. RAGGED EDGES ARE NOT ACCEPTABLE AND MUST BE CUT OR RE-CUT PRIOR TO ANY PAVING (TEMPORARY OR PERMANENT). MILLING OUT THE RAGGED PAVEMENT EDGES PRIOR TO PLACING THE TOP COURSE OR FINAL ASPHALT WILL NOT BE ACCEPTED.

- ALL DISTURBED PAVEMENT IS REQUIRED TO BE RESTORED ON A DAILY BASIS. ALL TEMPORARY ASPHALT IS REQUIRED TO BE FIVE (5) INCHES THICK AND PLACED IN TWO (2) LIFTS OF 2-1/2 INCHES.
- THE PERMITTEE, OR THEIR CONTRACTOR, IS RESPONSIBLE FOR MAINTAINING THE TEMPORARY ASPHALT FLUSH WITH THE SURROUNDING EXISTING PAVEMENT SURFACE THROUGHOUT THE DURATION OF THE PROJECT. MAINTENANCE SHALL BE COMPLETED DAILY OR AS OTHERWISE NECESSARY. FINAL ASPHALT RESTORATION IS TO BE COMPLETED AT THE END OF THE PROJECT.
- ALL EDGES OF EXISTING ASPHALT ARE REQUIRED TO BE SWEEP AND TACK COATED PRIOR TO PAVING.
- ALL ASPHALT JOINTS ARE REQUIRED TO BE CRACK SEALED UPON COMPLETING FINAL PAVING.
- NO PLANTINGS, SIGNS, OR LANDSCAPING FEATURES (TREES, SHRUBS, GATES, FENCES, STONE WALLS, STONE PILLARS, SIGNS, ETC.) SHALL BE PLACED WITHIN ANY COUNTY RIGHT-OF-WAY. NO STONES OR BOULDERS SHALL BE PLACED OR INSTALLED WITHIN ANY COUNTY RIGHT-OF-WAY FOR ANY PURPOSE (I.E. LANDSCAPING FEATURES, RETAINING STRUCTURES, OR TO CREATE A FLARE AT THE END OF A CULVERT).
- ALL PROPOSED SIGNS, EXCEPT FOR HIGHWAY TRAFFIC SIGNS, ARE REQUIRED TO BE OFFSET FROM THE RIGHT-OF-WAY/FRONT PROPERTY BOUNDARY BY FOUR (4) FEET AND MUST BE FULLY CONTAINED ON PRIVATE PROPERTY. ALL PROPOSED FENCES, WALLS, GATES, AND LANDSCAPING FEATURES ARE REQUIRED TO BE OFFSET BY FIVE (5) FEET FROM THE PROPERTY BOUNDARY AND MUST BE FULLY CONTAINED ON, AND MAINTAINABLE FROM, PRIVATE PROPERTY.
- ALL REQUIRED RIGHT-OF-WAY MONUMENTATION SHALL BE INSTALLED BY A PROFESSIONAL LAND SURVEYOR LICENSED TO PRACTICE IN THE STATE OF NEW YORK.
- THE PERMITTEE, OR THEIR CONTRACTOR, IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ALL SIGNS, GUIDE RAILS, GUIDE POSTS, CULVERT PIPES, MAILBOXES, HEADWALLS, ETC. WHICH MUST BE REMOVED TO FACILITATE CONSTRUCTION. ALL ITEMS REMOVED SHALL BE REINSTALLED ON A DAILY BASIS. ANY ITEMS DAMAGED BY REMOVAL OR REPLACEMENT SHALL BE REPLACED WITH NEW AND REINSTALLED BY THE PERMITTEE.
- THE PERMITTEE, OR THEIR CONTRACTOR, IS RESPONSIBLE FOR COORDINATION OF THEIR WORK WITH ADJACENT PROPERTY OWNERS, RESIDENTS AND BUSINESSES TO ENSURE THAT THEY CAN SAFELY ENTER AND EXIT THEIR DRIVEWAYS DURING THE COURSE OF DAY TO DAY OPERATIONS.
- MAINTENANCE AND PROTECTION OF TRAFFIC IS REQUIRED TO BE PERFORMED IN ACCORDANCE WITH ORANGE COUNTY REQUIREMENTS. THE MORE STRINGENT SIGN REQUIREMENTS OF ORANGE COUNTY ARE IN ADDITION TO THE REQUIREMENTS DESCRIBED IN THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE NEW YORK STATE SUPPLEMENT LATEST EDITIONS AND REVISIONS.
- ALL CONSTRUCTION SIGNS FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN PLACE AND INSTALLED PRIOR TO STARTING ANY WORK. SIGNS SHALL BE INSTALLED ON BREAKAWAY POSTS OR "WINDMASTER" SUPPORTS AND SHALL BE COVERED AND UNCOVERED ON A DAILY BASIS. IF A LANE HAS TO BE CLOSED TO PERFORM WORK, ALL NECESSARY SIGNS (SUCH AS "ONE LANE ROAD AHEAD" AND "FLAGGER" SYMBOL) FOR THE LANE CLOSURE MUST BE INSTALLED IN ADDITION TO THOSE SHOWN ON THE APPROVED MPT PLAN.
- ALL CONSTRUCTION SIGNS ARE REQUIRED TO BE FABRICATED WITH ASTM TYPE III (CLASS B), HIGH INTENSITY, REFLECTIVE SHEETING CONFORMING TO SECTION 730-5.02 OF THE NYS DOT STANDARD SPECIFICATIONS.
- FLAGGERS SHALL NOT CONTROL MORE THAN ONE APPROACH TO OR THROUGH A WORK ZONE AT ANY TIME.
- FLAGGER FOR EACH TRAFFIC APPROACH IS REQUIRED AT ALL TIMES.
- EIGHTEEN (18) INCH STOP SLOW PADDLES ARE REQUIRED TO DIRECT TRAFFIC.
- TWO-WAY RADIOS ARE REQUIRED FOR FLAGGERS TO COMMUNICATE WITH EACH OTHER.



WORK ZONE SIGNING
NOT TO SCALE

- NOTE:**
- ALL SIGNAGE SHALL CONFORM TO NYS DOT "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

MAINTENANCE & PROTECTION OF TRAFFIC

- ALL CONSTRUCTION SIGNAGE IS REQUIRED TO BE IN PLACE PRIOR TO COMMENCING ANY WORK WITHIN THE COUNTY RIGHT OF WAY.
- THE MORE STRINGENT SIGN REQUIREMENTS OF ORANGE COUNTY SUPERSEDE ANY MUNICIPAL REQUIREMENTS.
- THE FOLLOWING SIGNS ARE REQUIRED TO BE PLACED IN EACH DIRECTION WHEN ONE LANE IS CLOSED TO PERFORM THE WORK: ROAD WORK 1500 FT, ROAD WORK 1000 FT, ROAD WORK 500 FT, ONE LANE ROAD AHEAD, FLAGGER SYMBOL ON EACH APPROACH WHEN TAKING A TRAVEL LANE AS PER ORANGE COUNTY REQUIREMENTS.
- THE FOLLOWING SIGNS ARE REQUIRED WHEN WORK IS PERFORMED ON THE SHOULDER: ROAD WORK 1500 FT, ROAD WORK 1,000 FT, ROAD WORK 500 FT, NO SHOULDER AS PER ORANGE COUNTY REQUIREMENTS. FLAGGER SYMBOLS ARE REQUIRED TO BE AVAILABLE FOR A NO SHOULDER WORK ZONE. FLAGGERS ARE USED TO DIRECT TRAFFIC.
- ALL CONSTRUCTION SIGNAGE IS REQUIRED TO MEET THE REQUIREMENTS AS PER THE "NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND NYS SUPPLEMENT LATEST EDITION AND REVISIONS. THE CONSTRUCTION SIGNAGE SHALL BE INSTALLED ON BREAKAWAY POSTS OR ON WIND-MASTERS AND COVERED AND UNCOVERED ON A DAILY BASIS. THE CONTRACTOR MUST HAVE ALL THE NECESSARY CONSTRUCTION SIGNS TO PERFORMANCE THE WORK SAFELY.
- ALL CONSTRUCTION SIGNAGE IS REQUIRED TO BE 730-5.02 - ASTM TYPE III (CLASS B) AS PER NYS STANDARD SPECIFICATIONS. CONSTRUCTION AND MATERIALS. HI-INTENSITY REFLECTIVE SHEETING OFTEN REFERRED TO AS HIGH INTENSITY. WORK ZONE IS REQUIRED TO BE PROPERLY DELINEATED WITH CONES AND/OR CONSTRUCTION BARRELS.
- ORANGE COUNTY RESERVES THE RIGHT TO PRECLUDE ALL WORK AND LANE CLOSURES DURING ANY INCLEMENT WEATHER OR OTHER UNFORESEEN CIRCUMSTANCES (I.E. WET, ICY CONDITIONS, REDUCED VISIBILITY, TRAFFIC ACCIDENTS ON STATE, COUNTY, TOWN OR VILLAGE ROAD, OR OTHER EMERGENCIES).
- NO TRACK EQUIPMENT WILL BE PERMITTED FROM 12 NOON PRIOR TO A HOLIDAY AND UNTIL 10 AM THE DAY AFTER THE HOLIDAY. FLAGGERS SHALL NOT CONTROL MORE THAN ONE APPROACH AT ANYTIME THROUGHOUT THE DURATION OF THE WORK ZONE. ADDITIONAL IONAL FLAGGERS ARE REQUIRED TO CONTROL ALL APPROACHES IN A WORK ZONE.
- ALL CONSTRUCTION PERSONNEL ARE REQUIRED TO WEAR HARD HATS AND SAFETY VESTS. EIGHTEEN (18) INCH STOP AND SLOW PADDLES ARE REQUIRED TO DIRECT TRAFFIC.
- TWO WAY RADIOS ARE REQUIRED FOR FLAGGERS TO COMMUNICATE WITH EACH OTHER.
- ALL OF THE NECESSARY MEANS ARE REQUIRED TO BE ON SITE TO PROPERLY COMPACT ALL TRENCHES OR EARTHWORK WITHIN THE COUNTY RIGHT OF WAY ON A DAILY BASIS.
 - VIBRATORY TRENCH ROLLER; PRIMARY COMPACTION EQUIPMENT
 - JUMPING JACK COMPACTOR; SECONDARY COMPACTION EQUIPMENT FOR USE IN TIGHT AREAS, WHEN THE VIBRATORY TRENCH ROLLER CANNOT BE USED
 - ASPHALT ROLLER IS REQUIRED TO COMPACT ASPHALT FOR ANY PAVING INSTALLED IN THE COUNTY RIGHT OF WAY.

STANDARD COUNTY NOTE:

- NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.

RIGHT OF WAY

- MONUMENTATION : WHERE A PARCEL ABUTTING THE COUNTY HIGHWAY IS SUBDIVIDED, THE OWNER/APPLICANT SHALL BE REQUIRED TO PROVIDE PERMANENT MONUMENTATION OF THE HIGHWAY BOUNDARY IN A MANNER ACCEPTABLE TO THE COMMISSIONER OF PUBLIC WORKS OR HIS REPRESENTATIVE. WE REQUIRE THAT MONUMENTS BE SET AT THE MAJOR CORNERS. MONUMENTATION SHALL BE INSTALLED BY A PROFESSIONAL LAND SURVEYOR LICENSED TO PRACTICE IN NEW YORK STATE.
- SEE THE ATTACHED PRECAST SURVEY CONCRETE MONUMENT CUT SHEET WITH SPECIFICATIONS. AND APPROVED EQUAL IS ACCEPTABLE, ONLY AFTER IT HAS BEEN SUBMITTED FOR REVIEW AND APPROVAL BY ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS. THE PRECAST MONUMENT IS REQUIRED TO HAVE THE PROPERTY CORNER SCRIBED IN THE SURFACE OF THE CONCRETE MONUMENT.

LANDSCAPING

- NO PLANTINGS (SHRUBS/TREES) OR LANDSCAPING FEATURES (GATES, FENCES, STONE PILLARS, STONE WALLS, SIGNS, ETC.) SHALL BE PLACED WITHIN THE COUNTY RIGHT OF WAY.
- ALL DISTURBED AREAS ARE TO BE GRADED , SEEDED, AND STRAWED ON A DAILY BASIS.

UTILITIES

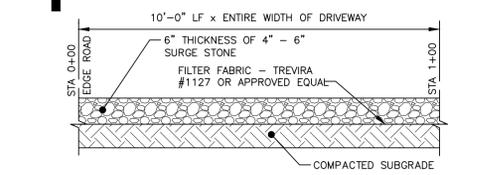
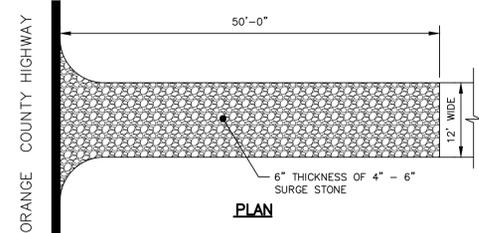
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A VERTICAL SEPARATION OF BETWEEN EXISTING UTILITIES AND ANY PROPOSED UTILITIES.

ASPHALT RESTORATION

- ALL PAVEMENT IS REQUIRED TO BE RESTORED ON A DAILY BASIS.
- RAGGED TRENCH EDGES MUST SAW CUT PRIOR TO ANY PAVING (TEMPORARY OR PERMANENT).
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THE 5" OF BINDER COURSE FLUSH WITH THE EXIST EXISTING PAVEMENT SURFACE THROUGHOUT THE DURATION OF THE PROJECT. FINAL ASPHALT RESTORATION IS TO BE COMPLETED AT THE COMPLETION OF THE PROJECT.
- ALL TEMPORARY ASPHALT IS REQUIRED TO BE FIVE (5) INCHES THICK AND PLACED IN TWO (2) LIFTS OF 2 INCHES.
- ALL EDGES OF EXISTING ASPHALT ARE REQUIRED TO BE SWEEP AND TACK COATED PRIOR TO PAVING.
- ALL ASPHALT IS REQUIRED TO BE SAW CUT PARALLEL OR PERPENDICULAR TO THE TRENCH OR TO THE EXISTING ASPHALT. NO RAGGED EDGES ARE ACCEPTABLE.
- ALL SAW CUTTING IS REQUIRED TO BE PERFORMED PRIOR TO PLACING ASPHALT BINDER. MILLING OUT THE JAGGED EDGES ON THE TOP COURSE OR FINAL ASPHALT IS NOT ACCEPTABLE BY ORANGE COUNTY.
- ALL ASPHALT JOINTS ARE REQUIRED TO BE CRACK SEALED UPON COMPLETING FINAL PAVING.

GENERAL NOTES

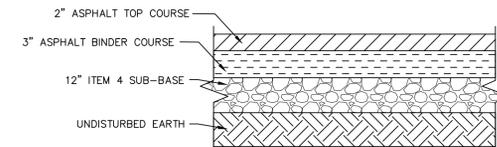
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF SIGNS, GUIDE RAILS, GUIDE POSTS, CULVERT PIPES, MAILBOXES, HEADWALLS, ETC. WHICH MUST BE REMOVED FOR CONSTRUCTION. CONTRACTOR SHALL REINSTALL ANY REMOVED ITEMS ON A DAILY BASIS. ANY ITEMS DAMAGED BY REMOVAL OR REINSTALLATION SHALL BE REPLACED AND REINSTALLED BY THE CONTRACTOR WITH A NEW ITEM.
- NO UTILITY WORK (WATER, SEWER STORM DRAINAGE) IS ALLOWED TO BE PERFORMED BETWEEN NOVEMBER 15 AND MARCH 15 WITHIN THE COUNTY RIGHT OF WAY.
- NO TRACK EQUIPMENT IS ALLOWED ON THE COUNTY ROAD WITHOUT PLACING MATS, PLYWOOD, TIRES, ETC. TO PROTECT THE ASPHALT ROAD.
- NO OPEN TRENCHES ARE ALLOWED TO REMAIN OPEN OVERNIGHT. ALL OPEN TRENCHES ARE REQUIRED TO BE BACKFILLED ON A DAILY BASIS.
- NO ROAD PLATES ARE ALLOWED TO BE USED OVERNIGHT. ROAD PLATES ARE ONLY ALLOWED TO BE USED DURING DAILY OPERATIONS TO MAINTAIN TRAFFIC ON THE ROADWAY AND AT RESIDENTIAL/COMMERCIAL DRIVEWAYS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER COORDINATION WITH HOMEOWNERS AND BUSINESSES TO ENSURE THAT THEY CAN ENTER AND EXIT THEIR DRIVEWAYS DURING THE COURSE OF DAY TO DAY OPERATIONS.



NOTES:

- ENTRANCE SHALL BE MAINTAINED AS CONDITIONS DEMAND TO PREVENT TRACKING OF SEDIMENT INTO PUBLIC RIGHTS OF WAY.
- ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
- A CRUSHED STONE, VEHICLE WHEEL CLEANING BLANKET WILL BE INSTALLED WHENEVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 6" DEPTH OF 4"-6" SURGE STONE, WILL BE AT LEAST 45' X 100' AND SHOULD BE PLACED ON COMPACTED SUBGRADE.
- ALL DRIVEWAYS MUST BE STABILIZED WITH 1"-1 1/2" CRUSHED STONE OR SUBBASE DURING CONSTRUCTION.
- PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- ALL CATCH BASIN INLETS WILL BE PROTECTED WITH CRUSHED STONE OR HAYBALE FILTER.
- ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE DISCHARGE POINTS BECOME OPERATIONAL.

STABILIZED CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE



COUNTY DEPARTMENT OF PUBLIC WORKS PAVEMENT SECTION

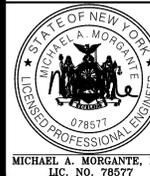
(FIRST 50')
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REVISION	BY	DATE	DESCRIPTION

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1251 KINGS HWY
CHESTER, NY 10918

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