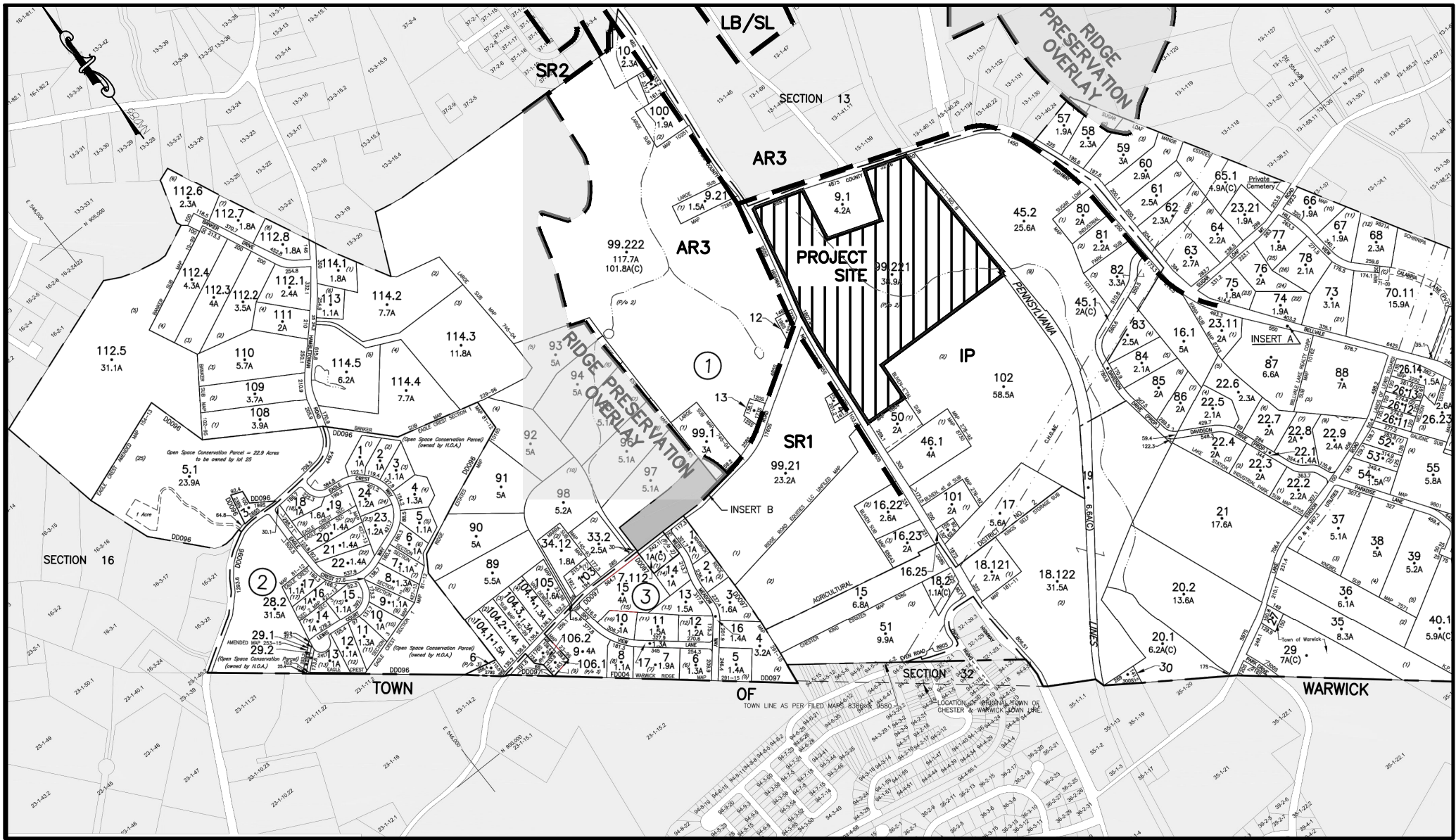
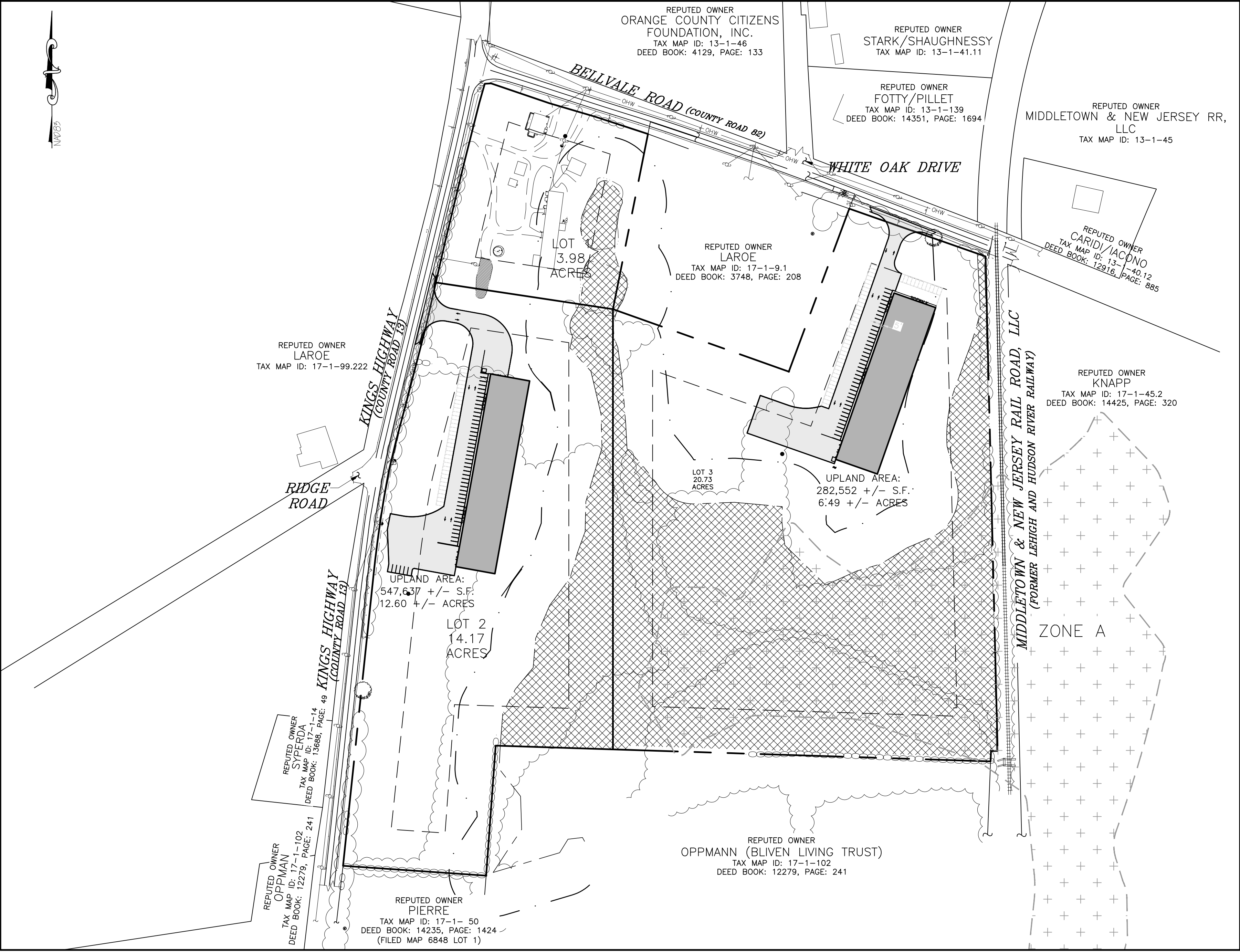


SUBDIVISION AND SITE PLAN FOR 1251 KINGS HIGHWAY LLC

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.

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.

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

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TITLE SHEET

SCALE: 1"=150'

DRAWING LIST

SHEET NO	SHEET 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	ODCPW ENTRANCE DETAILS	3-15-19 / 4-24-20
20 OF 20	ODCPW ENTRANCE DETAILS	4-24-19/

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REVISION	BY	DATE	DESCRIPTION

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P.O. BOX 340 MONROE, N.Y.

TEL: (845) 782-8114

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SUBDIVISION & SITE PLAN FOR

1251 KINGS HIGHWAY LLC

1251 KINGS HWY

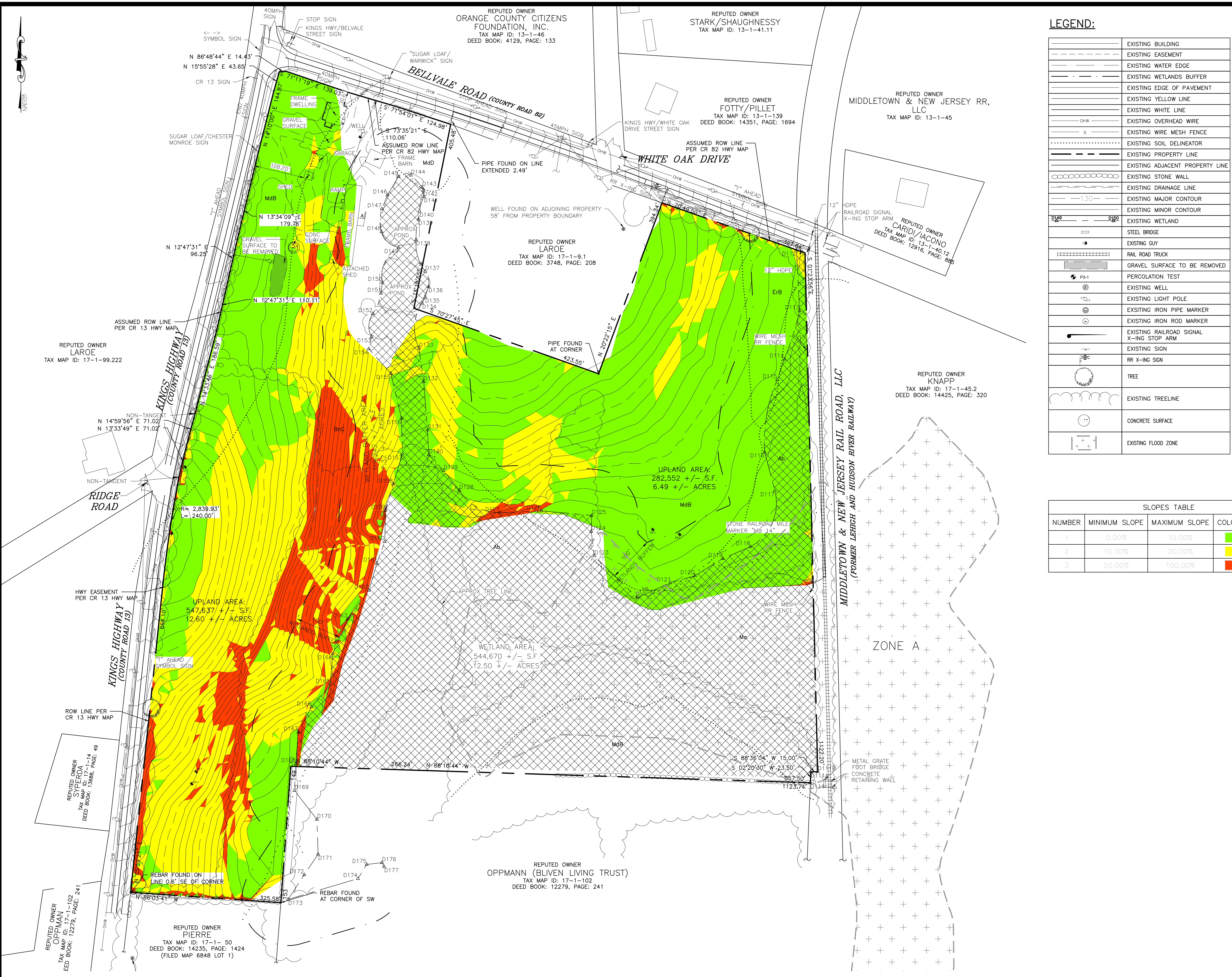
CHESTER, NY 10918



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

TITLE SHEET

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



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
	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	SOMEWAT POORLY DRAINED	3 - 8 %
Mo	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

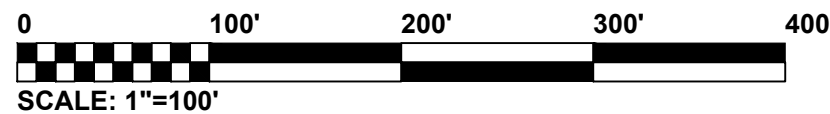
NUMBER	MINIMUM SLOPE	MAXIMUM SLOPE	COLOR	AREA (SF)
1	0.00%	10.00%		650444.58
2	10.00%	20.00%		349735.80
3	20.00%	100.00%		108001.61

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EXISTING CONDITIONS PLAN

SCALE: 1"=100'



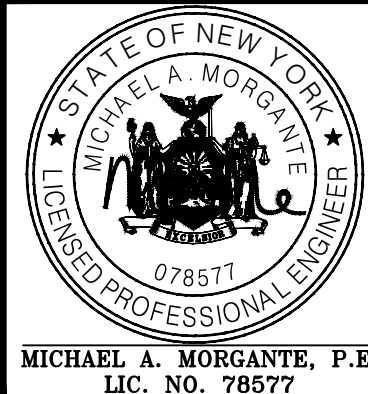
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REVISION	BY	DATE	DESCRIPTION
4.	MM	4/24/20	REVISIONS PER 4/10/20 OCDPW COMMENT LETTER
3.	MM	8/26/19	REVISIONS PER 3/25/19 FUSCO COMMENT LETTER & 3/29/19 KALA COMMENT LETTER
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1.	MM	3/15/19	REVISIONS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

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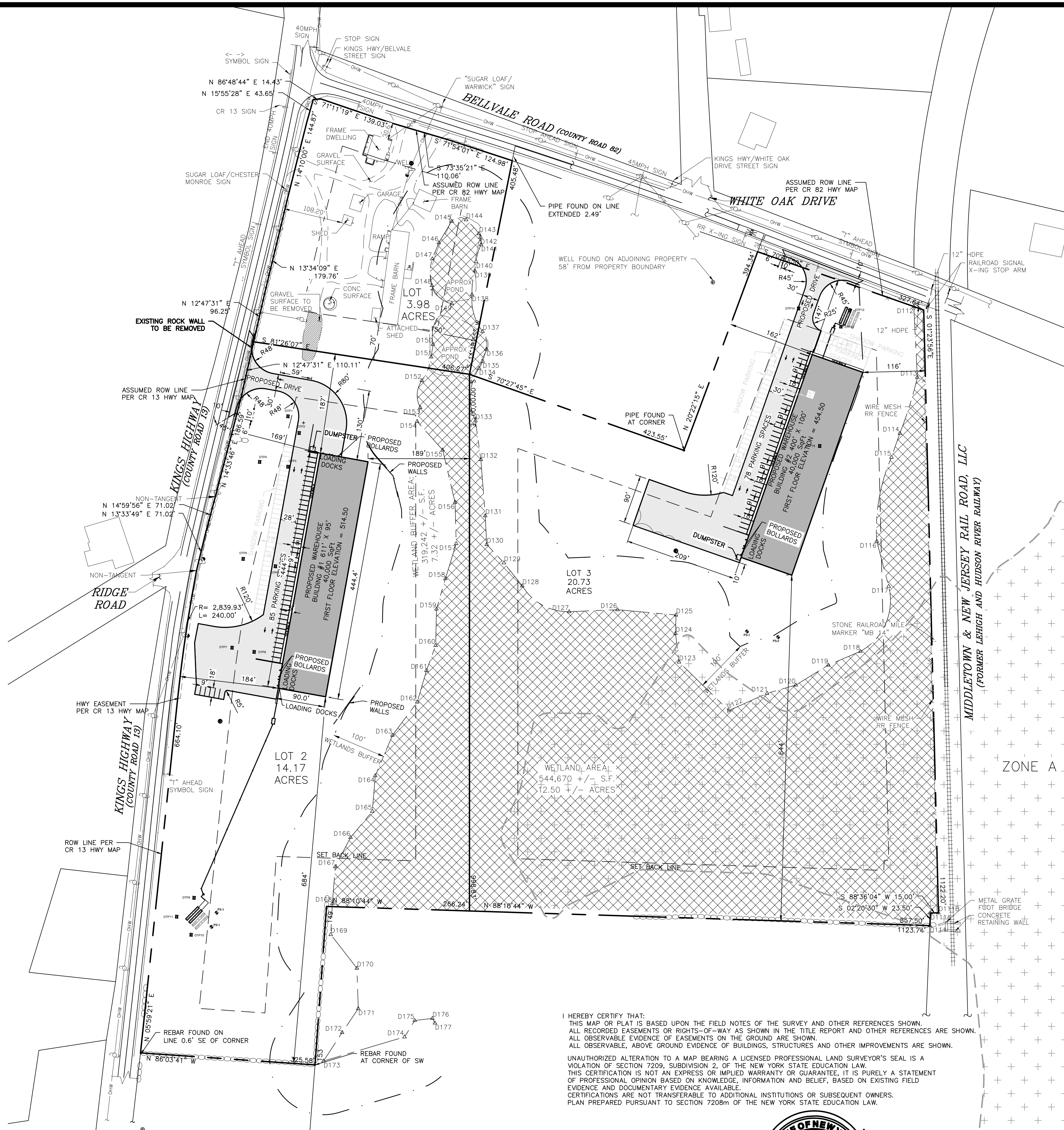
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SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

EXISTING CONDITIONS PLAN

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



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)	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.
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.
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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:

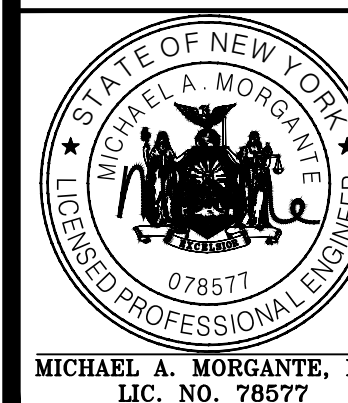
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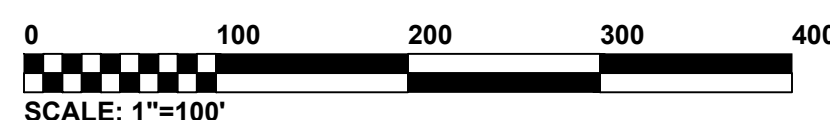
SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

SUBDIVISION & SITE PLAN

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

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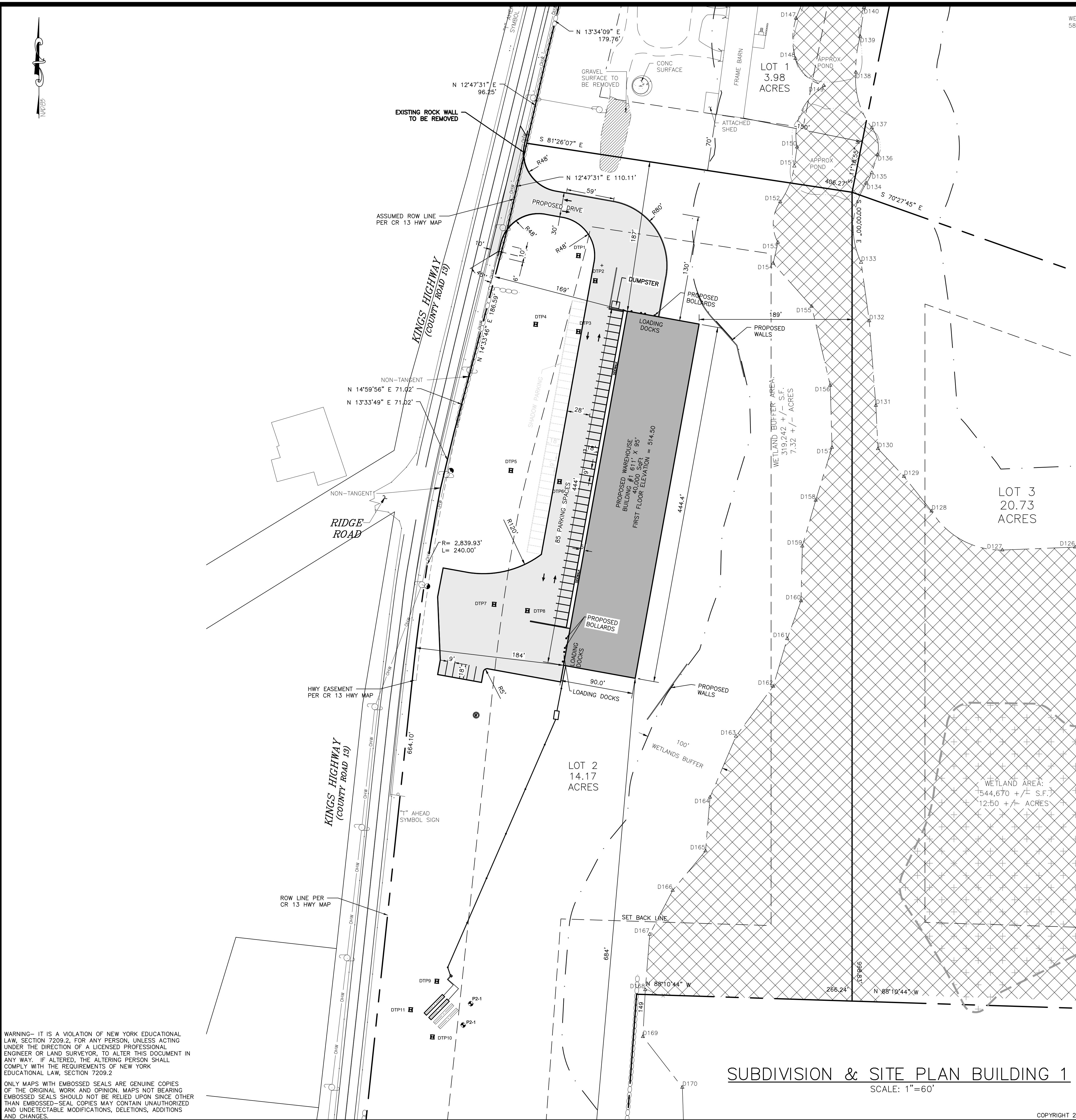
SUBDIVISION & SITE PLAN

SCALE: 1"=100'



STEPHEN P. DOLSON, P.L.S.
LICENSE NO. 050294

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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
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	EXISTING STONE WALL
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	EXISTING GUY
	GRAVEL SURFACE TO BE REMOVED
	PERCOLATION TEST
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	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)	LOT 1	LOT 2	LOT 3
LOT AREA	2 ACRES	3.98 ACRES	14.17 ACRES	20.73 ACRES
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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

I HEREBY CERTIFY THAT:
THIS MAP OR PLAT IS BASED UPON THE FIELD NOTES OF THE SURVEY AND OTHER REFERENCES SHOWN.
ALL RECORDED EASEMENTS OR RIGHTS-OF-WAY AS SHOWN IN THE TITLE REPORT AND OTHER REFERENCES ARE SHOWN.
ALL OBSERVABLE EVIDENCE OF EASEMENTS ON THE GROUND ARE SHOWN.
ALL OBSERVABLE, ABOVE GROUND EVIDENCE OF BUILDINGS, STRUCTURES AND OTHER IMPROVEMENTS ARE SHOWN.

UNAUTHORIZED ALTERATION TO A MAP BEARING A LICENSED PROFESSIONAL LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
THIS CERTIFICATION IS NOT AN EXPRESS OR IMPLIED WARRANTY OR GUARANTEE, IT IS PURELY A STATEMENT OF PROFESSIONAL OPINION BASED ON KNOWLEDGE, INFORMATION AND BELIEF, BASED ON EXISTING FIELD EVIDENCE AND DOCUMENTARY EVIDENCE AVAILABLE.
CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
PLAN PREPARED PURSUANT TO SECTION 7209m OF THE NEW YORK STATE EDUCATION LAW.



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LICENSE NO. 090954

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

SUBDIVISION & SITE PLAN
BUILDING 1

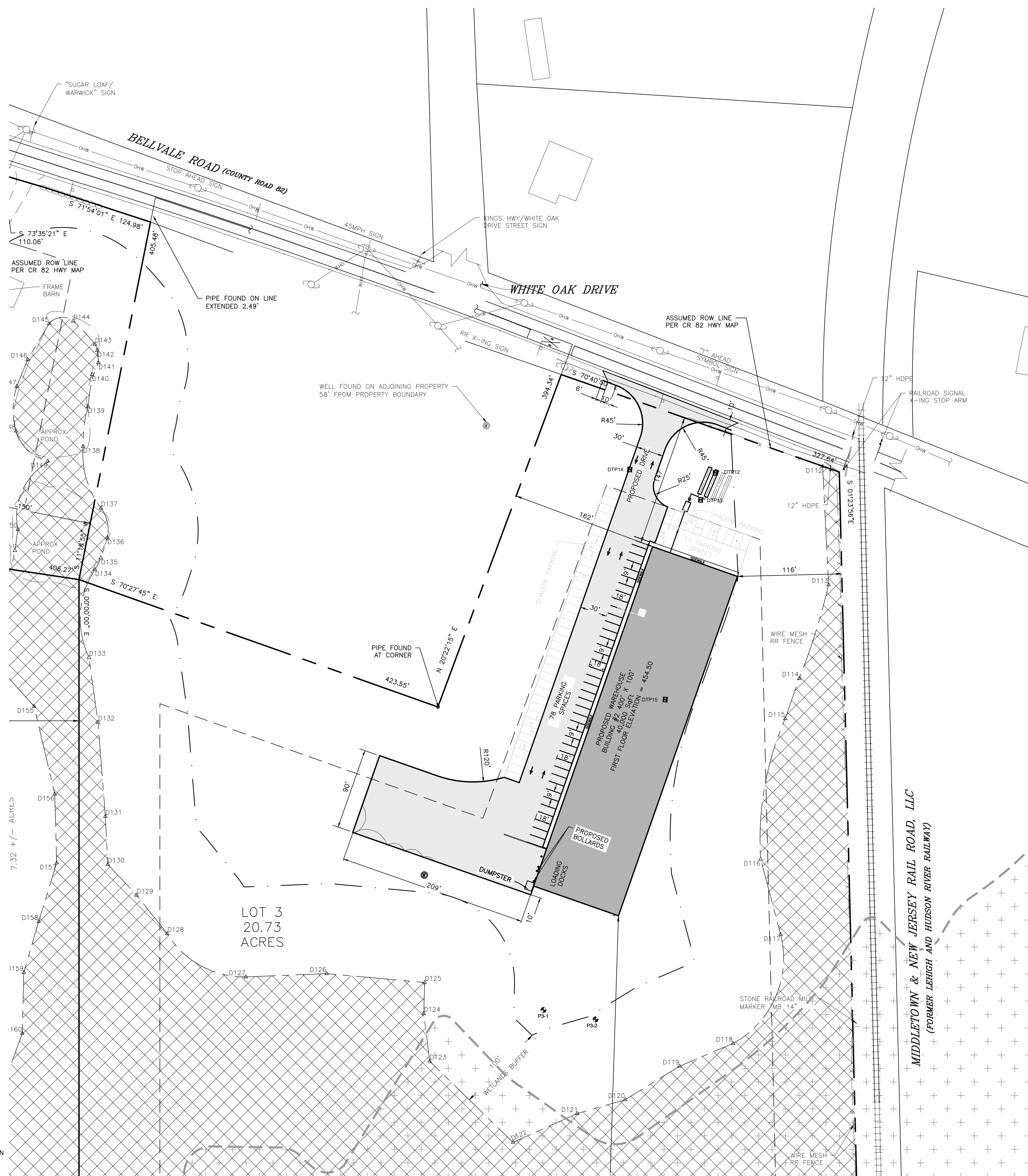
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SUBDIVISION & SITE PLAN BUILDING 1
SCALE: 1"=60'





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
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	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)

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SHADOW PARKING NOTE:

SHADOW PARKING TO BE CONSTRUCTED AS DIRECTED BY THE ENGINEER



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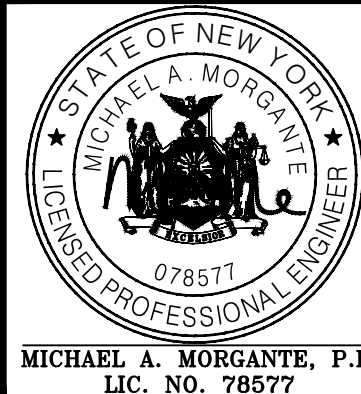
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SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

SUBDIVISION & SITE PLAN
BUILDING 2

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

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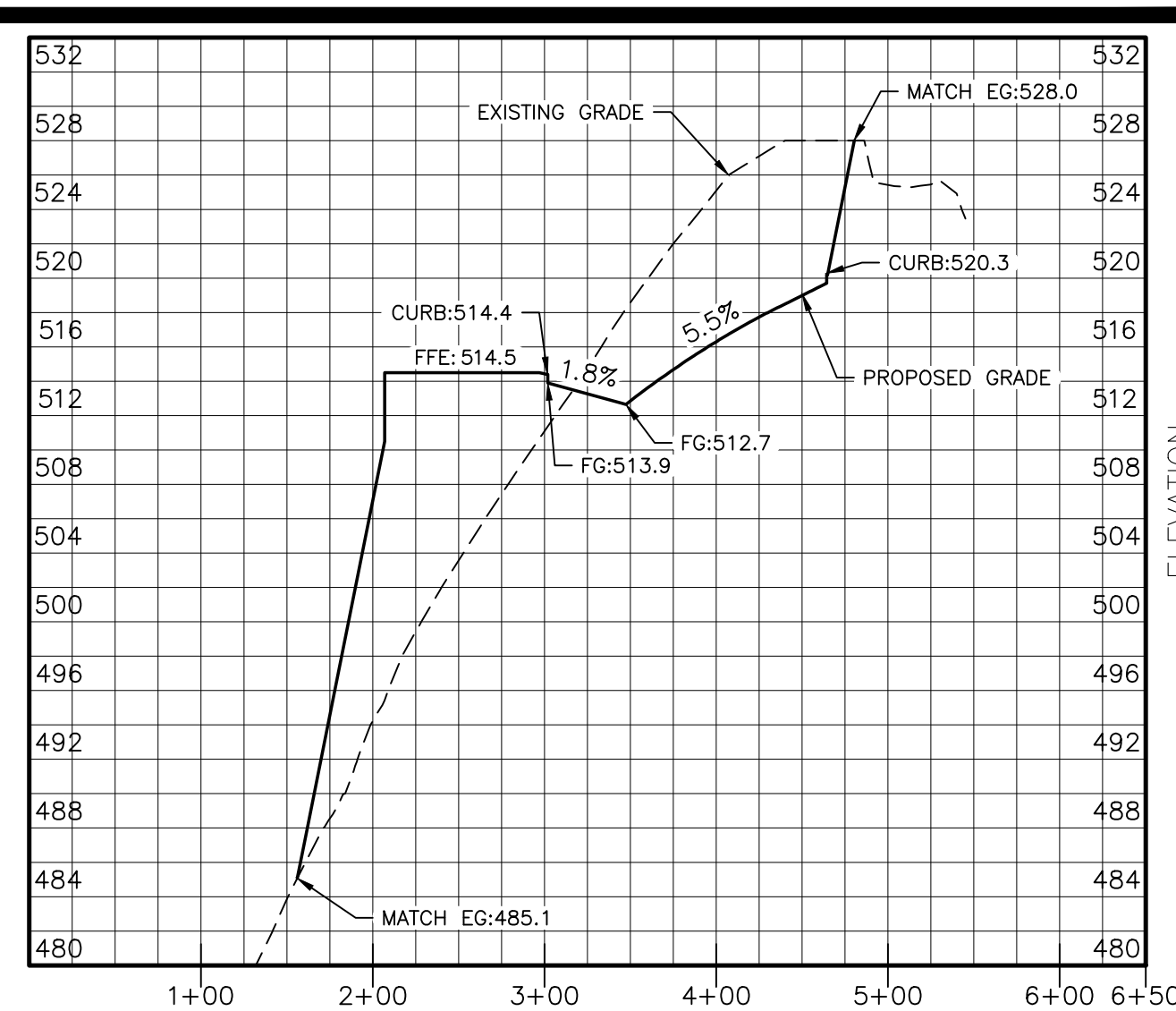
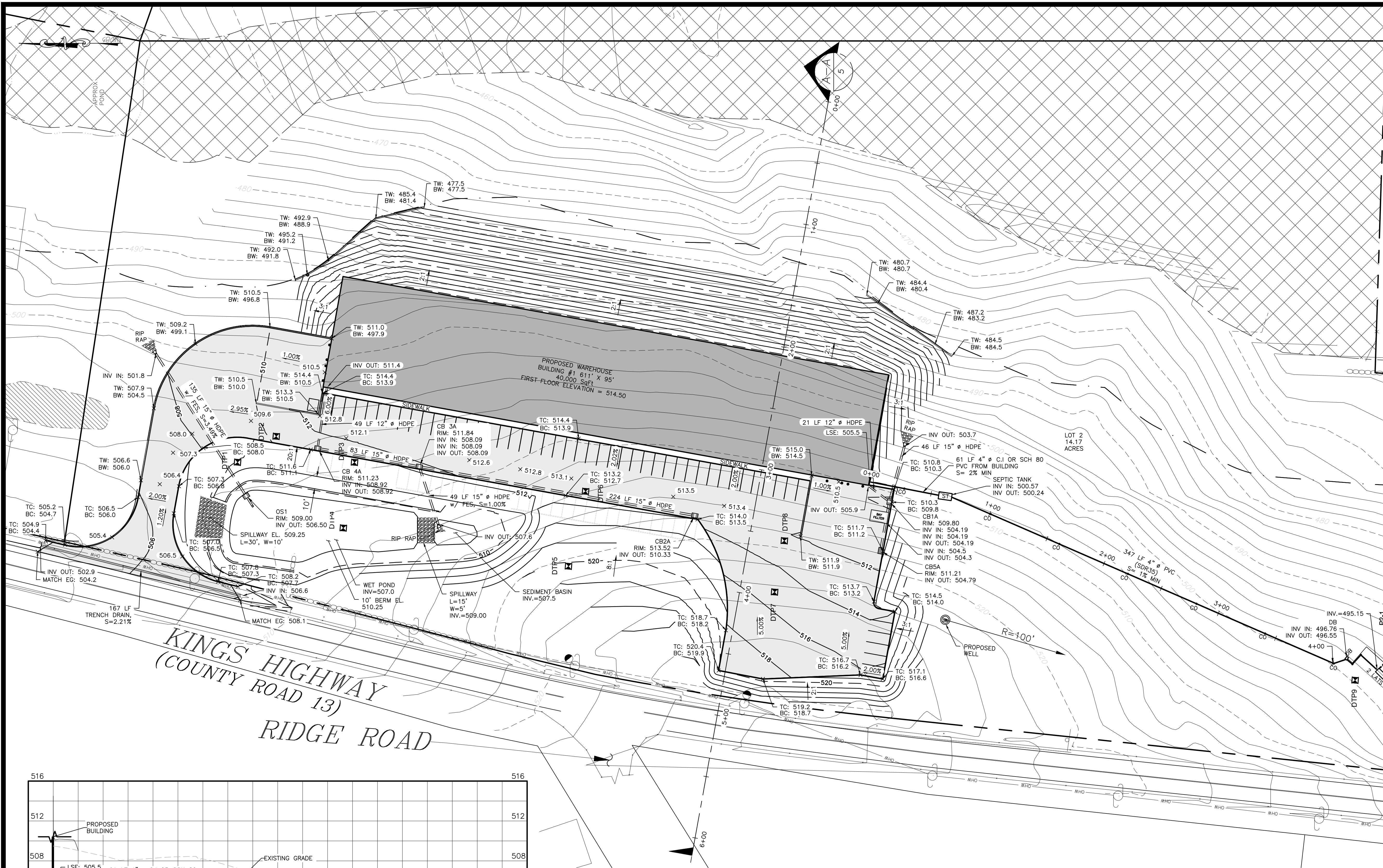
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SUBDIVISION & SITE PLAN BUILDING 2

SCALE: 1"=60'



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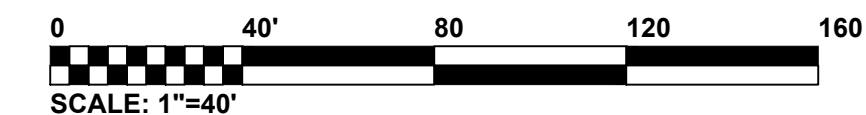
SITE CROSS SECTION A-A
HORIZONTAL: 1"=100'
VERTICAL: 1"=10'

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
[Symbol]	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

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GRADING AND UTILITY PLAN BUILDING 1

SCALE: 1"=40'



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
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

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

PERCOLATION TEST LOT 2

PERC. No. 1	
FIRST RUN	1:50 MIN.
SECOND RUN	2:21 MIN.
THIRD RUN	2:22 MIN.

PERC. 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/ELJEN UNIT
YIELDS 15.625 UNITS-SAY 16 UNITS
 - PROVIDED: 2 LATS. @ 8 UNITS PER LATERAL
=64 LF w/ 100% EXPANSION

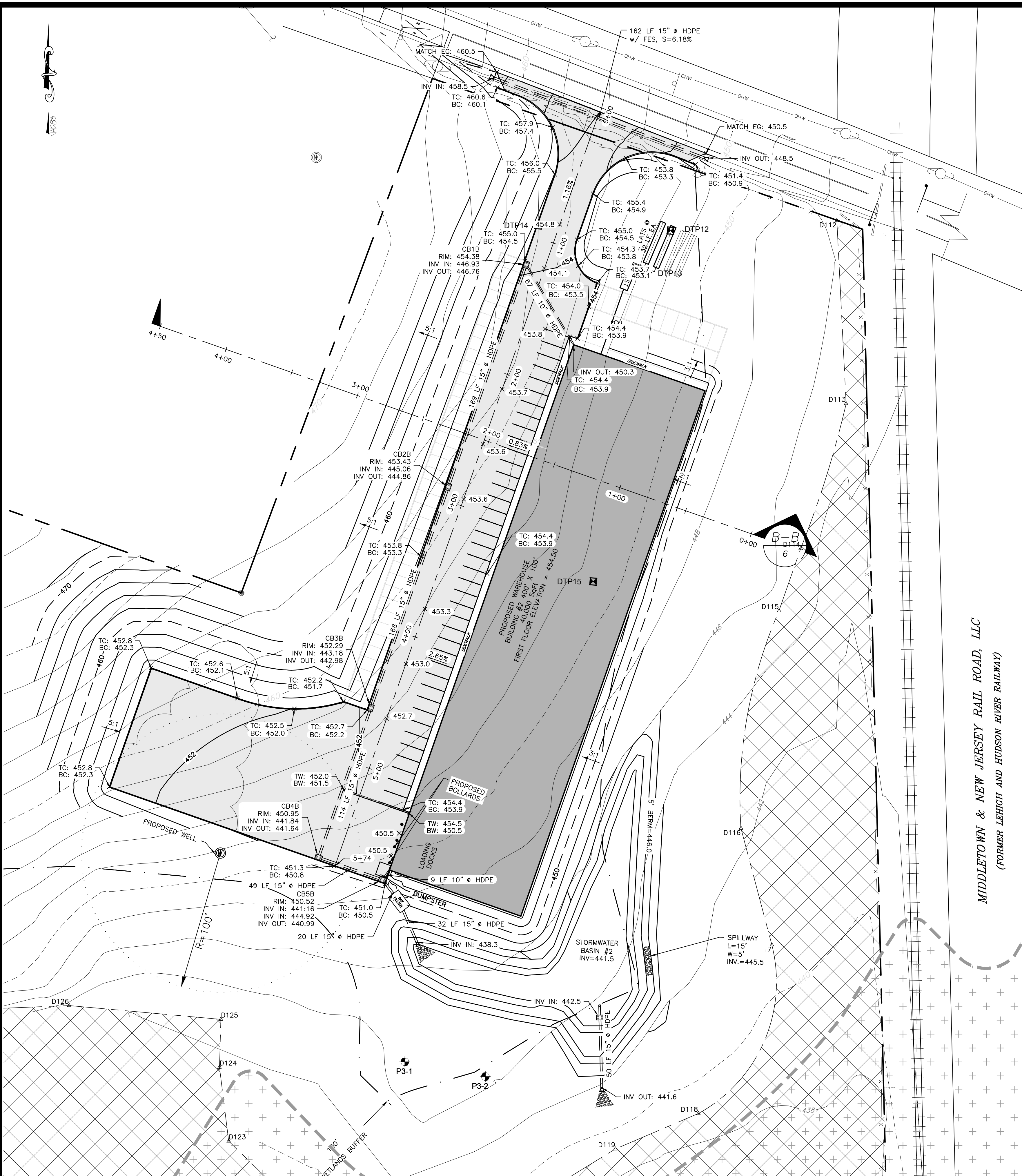
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SEWAGE DISPOSAL SYSTEM PROFILE
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

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

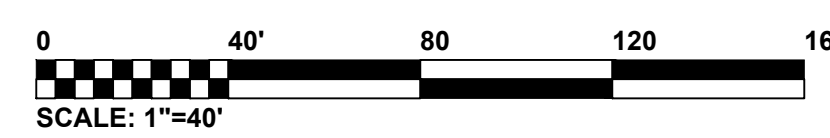


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GRADING AND UTILITY PLAN BUILDING 2

SCALE: 1"=40'



NOTE:
WETLAND BUFFER DISTURBANCE AREA=13,189 SF

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 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 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
	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.

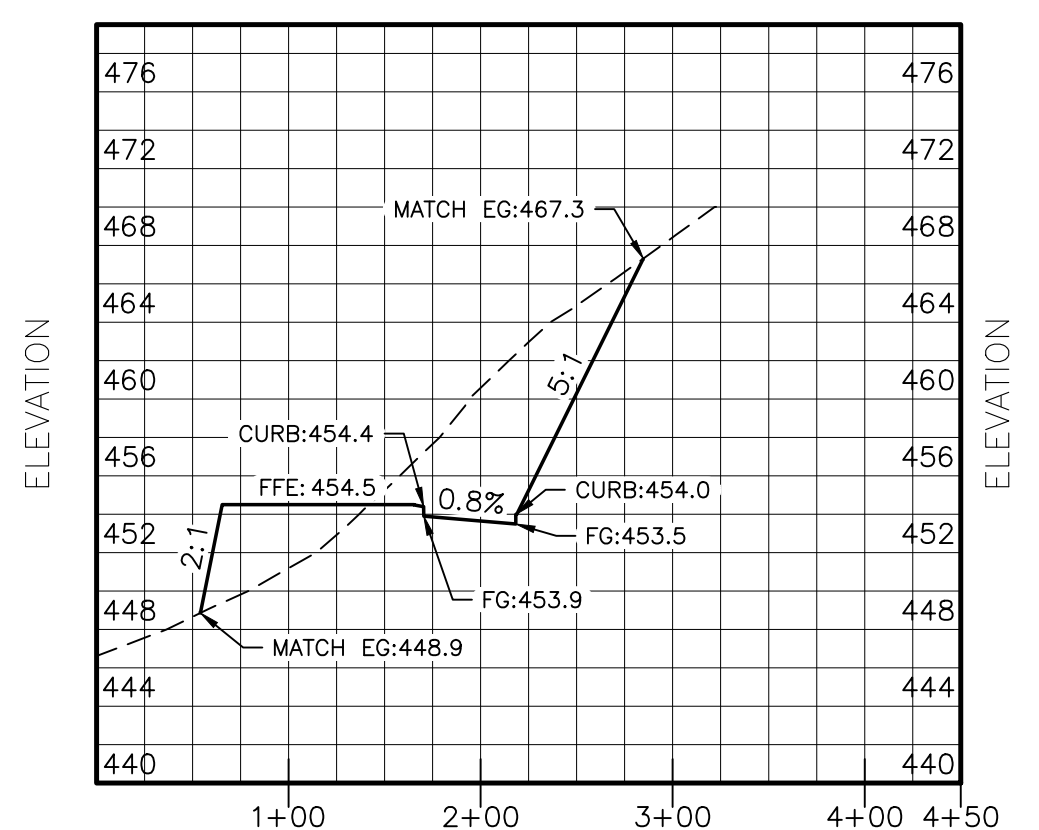
DEEP TEST PIT OBSERVATIONS LOT 3

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:

1. HYDRAULIC RATE PER EMPLOYEE/SHIFT = 15 GPD
2. SEPTIC TANK DESIGN: 1.5*Q = 1.5*450 GPD = 675 GALLONS
USE A 1,250 GALLON SEPTIC TANK
3. MAX. STABILIZED PERCOLATION RATE: 2:22 MIN/IN
DESIGN RATE: 1-5 MIN/IN.
4. FLOW RATE (GAL/DAY): 450 GPD FOR 30 EMPLOYEES WITH ONE WORK SHIFT
5. 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'

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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 HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

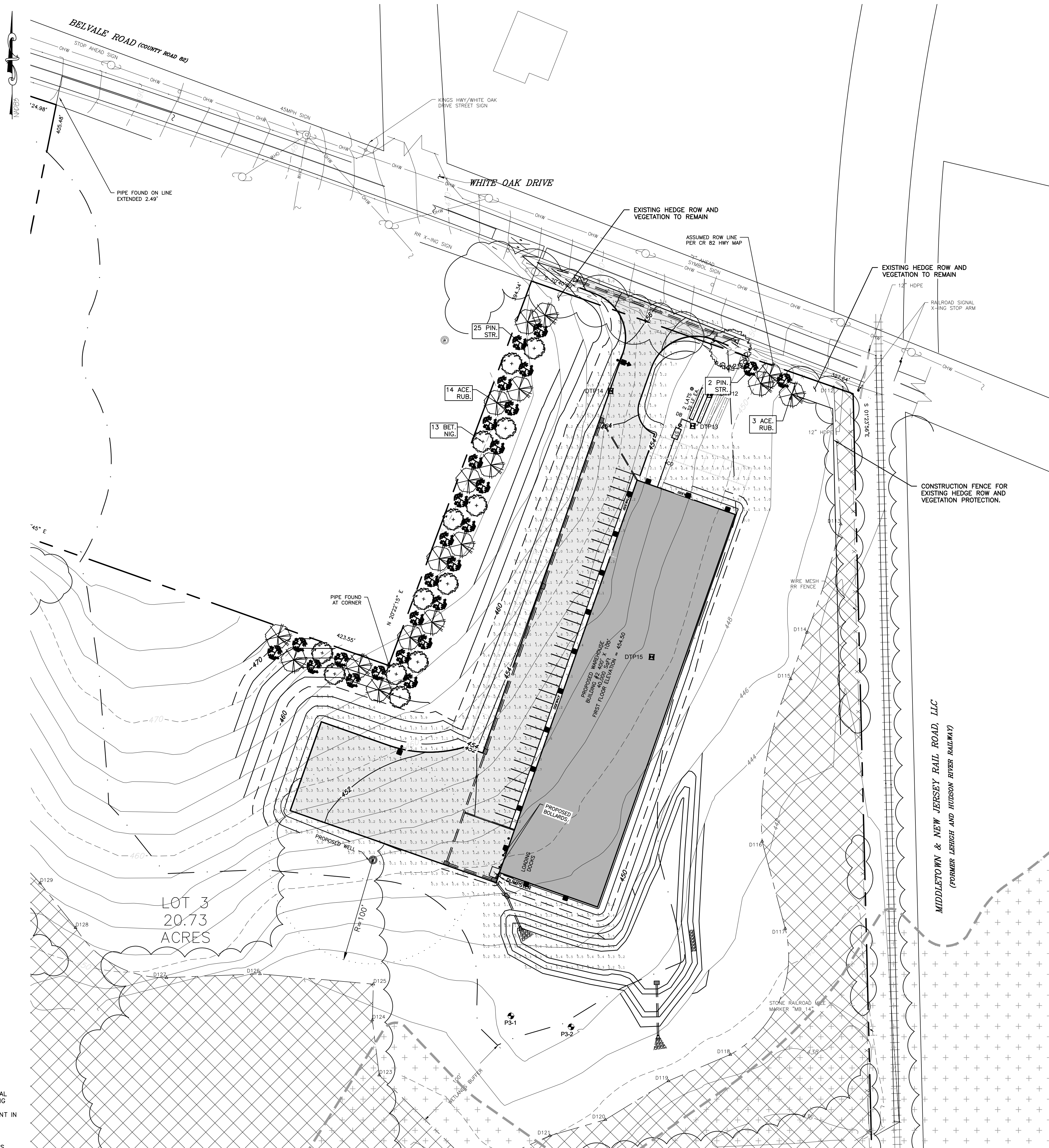
JOB#: 18-029
SCALE: AS NOTED
DATE: 1/21/19
DRAWN: MM
CHECKED: MM
SHEET NO. 07 of 20

GRADING AND UTILITY PLAN BUILDING 2

STANDARD COUNTY NOTE:

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LEGEND:

	EXISTING BUILDING		PROPOSED BUILDING
	EXISTING WATER EDGE		PROPOSED EDGE OF PAVEMENT
	EXISTING WETLANDS BUFFER		PROPOSED MAJOR CONTOUR
	EXISTING EDGE OF PAVEMENT		PROPOSED MINOR CONTOUR
	EXISTING YELLOW LINE		PROPOSED DRAINAGE CATCHBASIN
	EXISTING WHITE LINE		PROPOSED DRAINAGE PIPE
	EXISTING OVERHEAD WIRE		PROPOSED BAYFILTER
	EXISTING PROPERTY LINE		PROPOSED TRENCH DRAIN
	EXISTING ADJACENT PROPERTY LINE		PROPOSED FLARED END SECTION
	EXISTING STONE WALL		PROPOSED SEWER LINE
	EXISTING MAJOR CONTOUR		PROPOSED SEWER CLEANOUT
	EXISTING MINOR CONTOUR		PROPOSED SEPTIC TANK
	EXISTING DRAINAGE LINE		PROPOSED DISTRIBUTION BOX
	EXISTING WETLAND		PROPOSED RIPRAP
	EXISTING TREELINE		PROPOSED PROPERTY LINE
	EXISTING GUY		DEEP TESTS
	GRAVEL SURFACE TO BE REMOVED		EXISTING FLOOD ZONE
	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		

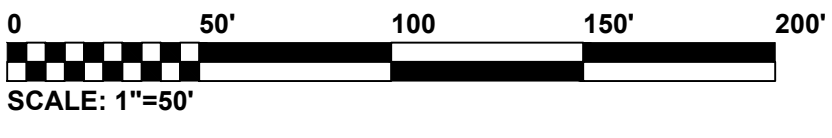
Calculation Summary								
Label	Units	Avg	Max	Min	Avg/Min	Max/Min	PtSpCtLr	PtSpCtB
BUILDING #1	Fc	1.43	3.1	0.1	14.30	31.00	10	10
BUILDING #2	Fc	1.43	3.3	0.1	14.30	33.00		

Luminaire Schedule							
WLS11720 1251 KINGS HWY WAREHOUSE CHESTER, NY PM: STEVE PLEASE EMAIL US FOR PRICING AT STEVE@WLSLIGHTING.COM							
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-MIRM-FT-LED-08-40 25' MOUNTING HEIGHT		76

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREE(S)					
PIN. STR.	27	PINUS STROBUS	WHITE PINE BOTANICAL	6'-8'	B&B.
DECIDUOUS TREE(S)					
ACE. RUB.	17	ACER RUBRUM 'FRANKSRED'	RED SUNSET RED MAPLE	2.5"-3" CAL.	B&B
BET. NIG.	13	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	12"-14'	B&B

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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

LANDSCAPING & LIGHTING PLAN
BUILDING 2

JOB#: 18-029
SCALE: AS NOTED
DATE: 1/21/19
DRAWN: MM
CHECKED: MM
SHEET NO. 09 of 20

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GENERAL LANDSCAPING NOTES:

REVISED 2/18/2015

1. 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 INTENTION OF THE SPECIFICATIONS, DRAWINGS, AND INSTRUCTIONS AND EXECUTED WITH THE STANDARD LEVEL OF CARE FOR THE LANDSCAPE INDUSTRY.
2. 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.
3. 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.
4. IF SAMPLES ARE REQUESTED, THE LANDSCAPE CONTRACTOR IS TO SUBMIT CERTIFICATION TAGS FROM TREES, SHRUBS AND SEED VERIFYING TYPE AND PURITY.
5. 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.
6. THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL RESERVES THE RIGHT TO INSPECT AND REJECT PLANTS AT ANY TIME AND AT ANY PLACE.
7. EXCESS SNOW THAT CANNOT BE ACCOMMODATED WITHIN THE SNOW DUMP AREAS MUST BE REMOVED FROM THE SITE.

SOIL PREPARATION AND MULCH NOTES:

1. 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.
2. BASED ON SOIL TEST RESULTS, ADJUST THE RATES OF LIME AND FERTILIZER THAT SHALL 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.
3. TOPSOIL SHALL BE FERTILE, FRABLE, 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").
4. TOPSOIL SHALL HAVE A PH RANGE OF 5.0-7.0 AND SHALL NOT CONTAIN LESS THAN 6% ORGANIC MATTER BY WEIGHT.
5. OBTAIN TOPSOIL ONLY FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT FOUND AT THE PROJECT SITE.
6. 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.
7. UNLESS OTHERWISE NOTED IN THE CONTRACT, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBED AREA OF THE SITE.
8. 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.
9. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THE APPROVED OR FINAL CONSTRUCTION SET UNLESS OTHERWISE DIRECTED BY THE PROJECT LANDSCAPE DESIGNER OR MUNICIPAL OFFICIAL.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SURFACE AND SUBSURFACE PLANT BED DRAINAGE PRIOR TO THE INSTALLATION OF PLANTINGS. IF POOR DRAINAGE CONDITIONS EXIST, CORRECT PRIOR TO PLANTING. PRIOR TO INSTALLATION, ALL PLANTING AND LAWN AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW A FREE FLOW OF SURFACE WATER.
11. 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 BE EASILY DISPLACED BY TRUNK OR PLANT GROWTH.
12. WHENEVER POSSIBLE, THE SOIL PREPARATION AND PLANTING SHALL BE CONNECTED AND/OR PLANTING TO PLANTING.
13. 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 RINGS UNIFORM IN TEXTURE. AFTER THE AREA IS LOOSENED IT SHALL NOT BE DRIVEN OVER BY ANY VEHICLE.
14. APPLY PRE-EMERGENT WEED CONTROL TO ALL PLANT BEDS PRIOR TO MULCHING. ENSURE COMPATIBILITY BETWEEN PRODUCE AND PLANT MATERIAL.
15. ALL PLANTING SOIL SHALL BE AMENDED WITH THE FOLLOWING:

- MYCOR[®] TREE SAVER – A DRY GRANULAR MYCORRHIZAL FUNGI INOCULANT THAT IS MIXED IN THE BACKFILL WHEN PLANTING TREES AND SHRUBS. IT CONTAINS SPORES OF BOTH ERICOID MYCORRHIZAL AND VA MYCORRHIZAL FUNGI (VAM), BENEFICIAL RHIZOSPHERE BACTERIA, TERRA-SORB SUPERABSORBENT HYDROGEL TO REDUCE WATER LEACHING, AND SELECTED ORGANIC MICROBIAL NUTRIENTS.
- DIRECTIONS FOR USE: USE 3- OZ PER EACH FOOT DIAMETER OF THE ROOT BALL, OR 3- OZ PER INCH CALIPER. MIX INTO THE BACKFILL WHEN TRANSPLANTING TREES AND SHRUBS. MIX PRODUCT IN A RING-SHAPED VOLUME OF SOIL AROUND THE UPPER PORTION OF THE ROOT BALL, EXTENDING FROM THE SOIL SURFACE TO A DEPTH OF ABOUT 8 INCHES, AND EXTENDING OUT FROM THE ROOT BALL ABOUT 8 INCHES INTO THE BACKFILL. APPLY WATER TO SOIL SATURATION.
 - MYCOR[®] TREE SAVER – IS EFFECTIVE FOR ALL TREE AND SHRUB SPECIES EXCEPT RHODODENDRONS, AZALEAS, AND MOUNTAIN LAUREL, WHICH REQUIRE ERICOID MYCORRHIZA.
 - SOIL PH: THE FUNGI IN THIS PRODUCT WERE CHOSEN BASED ON THEIR ABILITY TO SURVIVE AND COLONIZE PLANT ROOTS IN A PH RANGE OF 3 TO 9.
 - FUNGICIDES: THE USE OF CERTAIN FUNGICIDES CAN HAVE A DETRIMENTAL EFFECT ON THE INOCULATION PROGRAM. SOIL APPLICATION OF ANY FUNGICIDE IS NOT RECOMMENDED FOR TWO WEEKS AFTER APPLICATION.
 - OTHER PESTICIDES/ HERBICIDES AND INSECTICIDES DO NOT NORMALLY INTERFERE WITH MYCORRHIZAL FUNGAL DEVELOPMENT, BUT MAY INHIBIT THE GROWTH OF SOME TREE AND SHRUB SPECIES IF NOT USED PROPERLY.

- HEALTHY START MACRO TABS 12-8-8-B
- FERTILIZER TABLETS ARE PLACED IN THE UPPER 4 INCHES OF BACKFILL SOIL WHEN PLANTING TREES AND SHRUBS.
 - TABLETS ARE FORMULATED FOR LONG-TERM RELEASE BY SLOW BIODEGRADATION, AND LAST UP TO 2 YEARS AFTER PLANTING. TABLETS CONTAIN 12-8-8-B NPK FERTILIZER, AS WELL AS A MINIMUM OF SEVEN PERCENT (7%) HUMIC ACID BY WEIGHT, MICROBIAL NUTRIENTS DERIVED FROM SEA KELP, PROTEIN BYPRODUCTS, AND YUCCA SCHIDIGERA, AND A COMPLEMENT OF BENEFICIAL RHIZOSPHERE BACTERIA. THE STANDARD 21 GRAM TABLET IS SPECIFIED HERE. DIRECTIONS FOR USE: FOR PLANTING BALLED & BURLAPPED (B&B) TREES AND SHRUBS, MEASURE THE THICKNESS OF THE TRUNK AND USE ABOUT 1/2 TABLET (21-G) PER HALF-INCH. PLACE THE TABLETS DIRECTLY NEXT TO THE ROOT BALL, EVENLY DISTRIBUTED AROUND ITS PERIMETER, AT A DEPTH OF ABOUT 4 INCHES.

PLANT MATERIAL GUARANTEE NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF **ONE YEAR (1 YR.)** FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIAL, OR OWNER/OWNER'S REPRESENTATIVE. LANDSCAPE CONTRACTOR SHALL SUBMIT A MAINTENANCE BOND IN THE AMOUNT OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE CONCLUSION OF THE GUARANTEE PERIOD AND ONCE FINAL ACCEPTANCE HAS BEEN GRANTED BY THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIAL, OR OWNER/OWNER'S REPRESENTATIVE.
2. THE LANDSCAPE CONTRACTOR SHALL REMOVE AND REPLACE DYING, DEAD, OR DEFECTIVE PLANT MATERIAL AT HIS EXPENSE. THE LANDSCAPE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS COMPANY'S OPERATIONS.
3. ALL REPLACEMENT PLANTS SHALL BE OF THE SAME SPECIES AND SIZE AS SPECIFIED ON THE APPROVED OR FINAL PLANT LIST. REPLACEMENTS RESULTING FROM REMOVAL, LOSS, OR DAMAGE DUE TO OCCUPANCY OF THE PROJECT IN ANY PART, VANDALISM, PHYSICAL DAMAGE BY ANIMALS, VEHICLES, ETC., AND LOSSES DUE TO CURTAILMENT OF WATER BY LOCAL AUTHORITIES SHALL BE APPROVED AND PAID FOR BY THE OWNER.
4. THE CONTRACTOR SHALL INSTRUCT THE OWNER AS TO THE PROPER CARE AND MAINTENANCE OF ALL PLANTINGS.
5. THE OWNER SHALL REMOVE AND REPLACE DYING, DEAD, OR DEFECTIVE PLANT MATERIAL ON A YEARLY BASIS AS NEEDED.

LAWN (SEED OR SOD) NOTES:

1. SEED MIXTURE SHALL BE FRESH, CLEAN, NEW CROP SEED. SOD SHALL BE STRONGLY ROOTED, UNIFORM IN THICKNESS, AND FREE OF WEEDS, DISEASE, AND PESTS.
2. SEED OR SOD SHALL BE PURCHASED FROM A RECOGNIZED DISTRIBUTOR AND SHALL BE COMPOSED OF THE MIX OR BLEND WITHIN THE PROVIDED "SEED SPECIFICATION" OR "SOD SPECIFICATION".
3. REFERENCE LANDSCAPE PLAN FOR AREAS TO BE SEED OR LAID WITH SOD.
4. SEEDING SHALL NOT BE PERFORMED IN WINDY WEATHER. IF THE SEASON OF THE PROJECT COMPLETION PROHIBITS PERMANENT STABILIZATION, TEMPORARY STABILIZATION SHALL BE PROVIDED IN ACCORDANCE WITH THE "TEMPORARY SEEDING SPECIFICATION".
5. PROTECT NEW LAWN AREAS AGAINST TRESPASSING WHILE THE SEED IS GERMINATING. FURNISH AND INSTALL FENCES, SIGNS, BARRIERS OR ANY OTHER NECESSARY TEMPORARY PROTECTIVE DEVICES, DAMAGE RESULTING FROM TRESPASS, EROSION, WASHOUT, SETTLEMENT OR OTHER CAUSES SHALL BE REPAIRED BY THE LANDSCAPE CONTRACTOR AT HIS EXPENSE. REMOVE ALL FENCES, SIGNS, BARRIERS OR OTHER TEMPORARY PROTECTIVE DEVICES ONCE LAWN HAS BEEN ESTABLISHED.

ERNST SEED CO. NATIVE INFILTRATION BASIN AREA

SEEDING SPECIFICATIONS (ERNMX-183):

- SWITCHGRASS, "SHAWNEE" (PANICUM VIRGATUM, "SHAWNEE")
REDTOP PANICGRASS, COASTAL PLAIN NC ECOTYPE (PANICUM RIGIDULUM (P. STIPITATUM), COASTAL PLAIN NC ECOTYPE)
VIRGINIA WILDBLUE, PA ECOTYPE (ELYNIA VIRGINICUS, PA ECOTYPE)
GREEN BULRUSH, PA ECOTYPE (SCIRPUS ATROVIRENS, PA ECOTYPE)
AUTUMN BENTGRASS, PA ECOTYPE (AGROSTIS PERENNANS, PA ECOTYPE)
PATH RUSH, PA ECOTYPE (JUNCUS TENUIS, PA ECOTYPE)
1. SOW ABOVE MIX AT A RATE OF 20 LBS./ACRE OR 1/2 LB PER 1,000 S.F.
 2. SUPPLEMENT ABOVE MIX WITH A COVER CROP OF GRAIN RYE AT 30 LBS./ACRE.
 3. MOISTENED AREAS IMMEDIATELY AFTER SPRING.

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.

PLANT QUALITY AND HANDLING NOTES:

REVISED 2/18/2015

1. 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.
2. IN ALL CASES, BOTANICAL NAMES LISTED WITHIN THE APPROVED OR FINAL PLANT LIST SHALL TAKE PRECEDENCE OVER COMMON NAMES.
3. 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.
4. 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 HEALED-IN BY SETTING IN THE GROUND AND COVERING THE BARKS WITH SOIL OR MULCH AND THEN WATERING. HEMP BURLAP AND TWINE IS PREFERABLE TO TREATED. IF TREATED BURLAP IS USED, ALL TWINE IS TO BE CUT FROM AROUND THE TRUNK AND ALL BURLAP IS TO BE REMOVED.
5. 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.
6. THE ROOT SYSTEM OF EACH PLANT SHALL BE WELL PROVIDED WITH FIBROUS ROOTS. ALL PARTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED AND DENSELY FOLIATED WHEN IN LEAF.
7. 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 SYSTEM NECESSARY FOR THE AND COVERED WITH 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 HEALED-IN BY SETTING IN THE GROUND AND COVERING THE BARKS WITH SOIL OR MULCH AND THEN WATERING. HEMP BURLAP AND TWINE IS PREFERABLE TO TREATED. IF TREATED BURLAP IS USED, ALL TWINE IS TO BE CUT FROM AROUND THE TRUNK AND ALL BURLAP IS TO BE REMOVED.
8. 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 PLANT MATERIAL. ALL PLANTS SHALL BE KEPT MOST PROTECTED. SUCH PROTECTION SHALL ENCOMPASS THE ENTIRE PERIOD DURING WHICH THE PLANTS ARE IN TRANSIT, BEING HANDLED, OR ARE IN TEMPORARY STORAGE.
9. ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE CORRESPONDING LANDSCAPE PLAN AND PLANTING DETAILS.
10. 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 WHEN POSSIBLE. THE ROOT BALL SHALL BE KEPT MOIST AT ALL TIME AND COVERED WITH MOISTENED MULCH OR AGED WOODCHIPS. PROPER IRRIGATION SHALL BE SUPPLIED SO AS TO NOT ALLOW THE ROOT BALL TO DRY OUT. PLANTINGS SHALL BE UNITED 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.
11. NO PLANT MATERIAL SHALL BE PLANTED IN MUDDY OR FROZEN SOIL.
12. PLANTS WITH INJURED ROOTS OR BRANCHES SHALL BE PRUNED PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY DISEASED OR INJURED PLANTS SHALL BE REMOVED.
13. 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.
14. 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.
15. INSTALLATION SHALL OCCUR DURING THE FOLLOWING SEASONS:
PLANTS (MARCH 15 – DECEMBER 15)
LAWNS (MARCH 15 – JUNE 15 OR SEPTEMBER 1 – DECEMBER 1)
16. THE FOLLOWING TREES ARE SUSCEPTIBLE TO TRANSPLANT SHOCK AND SHALL NOT BE PLANTED DURING THE FALL SEASON (STARTING SEPTEMBER 15):

ABIES CONCOLOR
ACER BURGERSIANUM
ACER FREEMANII
ACER RUBRUM
ACER SACCHARINUM
BETULA VARIETIES
CARPINUS VARIETIES
CEDRUS DEODARA
JUNIPERUS VIRGINIANA
KOELREUTERIA PANICULATA
CERCIS CANADENSIS
CORNUS VARIETIES
CRATAEGUS VARIETIES

CORNUS VARIETIES
CUPRESSOCYPARIS LEYLANDII
FAGUS VARIETIES
HALESIA VARIETIES
ILEX X FOSTERI
ILEX NELLIE STEVENS
ILEX OPACA
JUNIPERUS VIRGINIANA
KOELREUTERIA PANICULATA
LIQUIDAMBAR VARIETIES
LIRIODENDRON VARIETIES
MALUS IN LEAF
NYSSA SYLVIATICA

OSTRYA VIRGINIANA
PINUS MORS
PLATANUS VARIETIES
POPULUS VARIETIES
PRUNUS VARIETIES
PYRUS VARIETIES
QUERCUS VARIETIES (NOT Q. PALUSTRIS)
SALIX WEEPING VARIETIES
SORBUS VARIETIES
TAXODIUM VARIETIES
TAXUS B REPANDENS
TILIA TOMENTOSA VARIETIES
ULMUS PARVIFOLIA VARIETIES
ZELKOVA VARIETIES

17. 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.
18. 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.
19. 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.
20. A 90-DAY MAINTENANCE PERIOD SHALL BEGIN IMMEDIATELY AFTER ALL PLANTS HAVE BEEN SATISFACTORILY INSTALLED.
21. 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 GUYS IF ORIGINALLY REQUIRED, WEEDING, PRUNING, SPRAYING, FERTILIZING, MOWING THE LAWN, AND PERFORMING ANY OTHER WORK REQUIRED TO KEEP THE PLANTS IN A HEALTHY CONDITION.
22. MOW 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.
23. GRASSSED 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.
24. SHOULD THE OWNER REQUIRE MAINTENANCE BEYOND THE STANDARD 90-DAY MAINTENANCE PERIOD, A SEPARATE CONTRACT SHALL BE ESTABLISHED.
25. 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.
26. 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.
27. 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 A ROLE IN SOIL STABILIZATION, 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 OR ALLOW THE BASIN TO DRAIN TO A FEW INCHES BEFORE SEEDING. BROADCAST SEED EVENLY OVER EACH UNIT BY HAND SEEDING OR HYDROSEEDING. SEEDING RATES ARE GENERALLY LOW (1/2 LB PER 1,000 S.F.) THE USE OF A SEED FILLER (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. BARLEY, OATS, 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, I.E., VIRGINIA WILD RYE CAN PREPARE AN INTERMEDIATE VEGETATIVE COVER THAT SUCCEEDS TO NATIVE LONG-TERM VEGETATION. STRAW MULCH OR STRAW COCONUT MATS ARE FREQUENTLY USED TO CONTROL EROSION AND PROTECT EMERGING SEEDLINGS FROM EXTREME TEMPERATURES AND DRYING OUT. MULCH SHOULD BE SPARSE TO ALLOW SUNLIGHT TO REACH THE GROUND, TRANSPLANTED SEEDLINGS AND SHRUBS NEED TEMPORARY WATER UNTIL THEY BECOME WELL ROOTED. IRRIGATION OF SEEDED AREAS IS OF VALUE UNTIL SEEDLINGS BECOME ESTABLISHED.

SITE PREPARATION

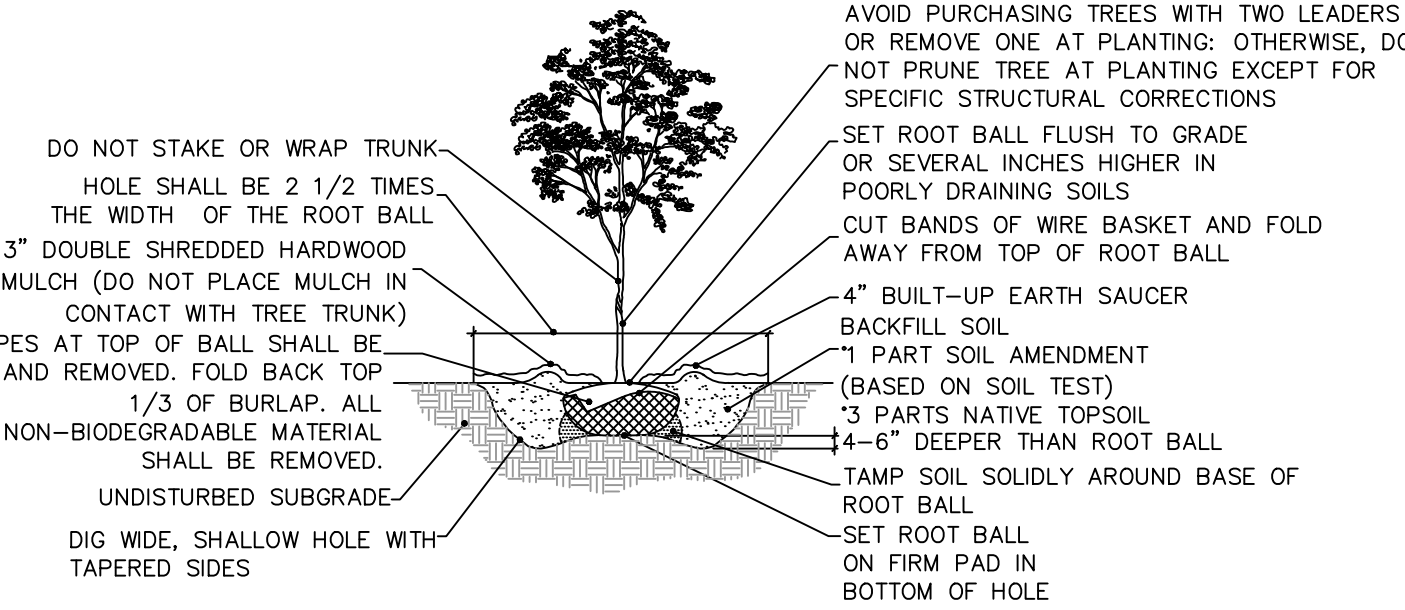
INVASIVE SPECIES, PARTICULARLY THOSE THAT WILL ADAPT TO WET CONDITIONS, SHOULD BE REMOVED OR SPRAYED BEFORE THEY BECOME INCORPORATED INTO THE SITE. NORMAL VEGETATION CAN BE WORKED INTO THE TOPSOIL, WHICH SHOULD BE STOCKPILED UNTIL THE FINAL GRADE HAS BEEN ESTABLISHED. WITH THE ENGINEER'S SPECIFICATIONS 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 FRABLE, 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 LEAF, COMPOSTED LEAVES, AND/OR COMPOST CLIPPINGS FROM LAWN MAINTENANCE MACHINES. OATS, RYE, OR BARLEY CAN BE USED TO PROVIDE TEMPORARY WATER UNTIL THEY BECOME WELL ROOTED. IRRIGATION OF SEEDED AREAS IS OF VALUE UNTIL SEEDLINGS BECOME ESTABLISHED.

SEEDING AND PLANTING METHODS

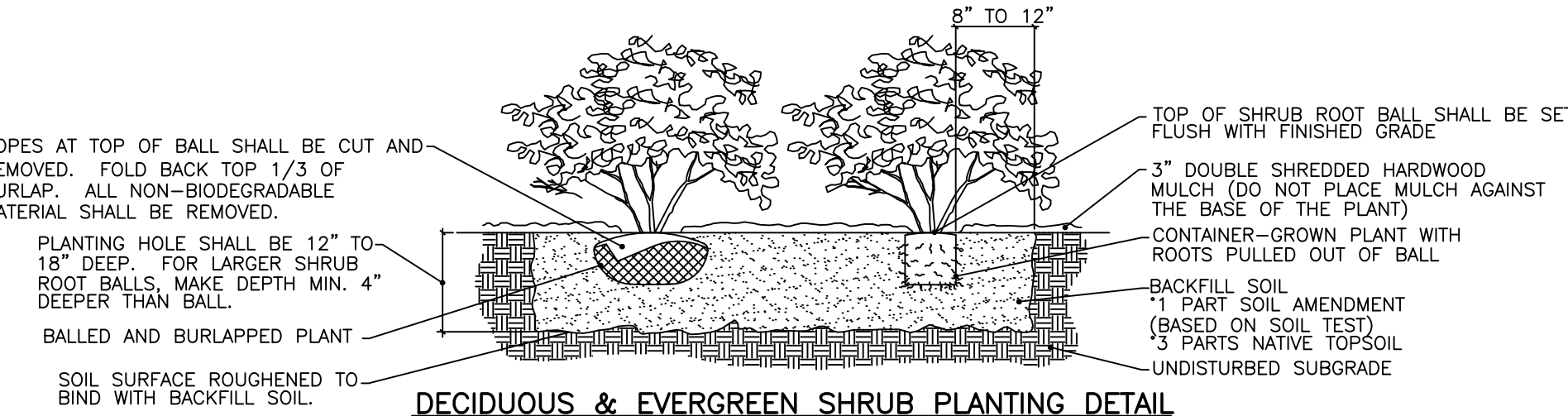
SEEDING AND PLANTING METHODS SHALL BEGIN IMMEDIATELY UPON COMPLETION OF THE STRUCTURE WHEN THE SOIL IS STILL FRABLE AND BEFORE INVASIVE WEEDS EMERGE. PLAN SEEDING AND PLANTING BEFORE THE BASIN IS FLOODED, OR ALLOW THE BASIN TO DRAIN TO A FEW INCHES BEFORE SEEDING. BROADCAST SEED EVENLY OVER EACH UNIT BY HAND SEEDING OR HYDROSEEDING. SEEDING RATES ARE GENERALLY LOW (1/2 LB PER 1,000 S.F.) THE USE OF A SEED FILLER (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. BARLEY, OATS, 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, I.E., VIRGINIA WILD RYE CAN PREPARE AN INTERMEDIATE VEGETATIVE COVER THAT SUCCEEDS TO NATIVE LONG-TERM VEGETATION. STRAW MULCH OR STRAW COCONUT MATS ARE FREQUENTLY USED TO CONTROL EROSION AND PROTECT EMERGING SEEDLINGS FROM EXTREME TEMPERATURES AND DRYING OUT. MULCH SHOULD BE SPARSE TO ALLOW SUNLIGHT TO REACH THE GROUND, TRANSPLANTED SEEDLINGS AND SHRUBS NEED TEMPORARY WATER UNTIL THEY BECOME WELL ROOTED. IRRIGATION OF SEEDED AREAS IS OF VALUE UNTIL SEEDLINGS BECOME ESTABLISHED.

NOTES:

1. 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.
2. 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.
3. 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

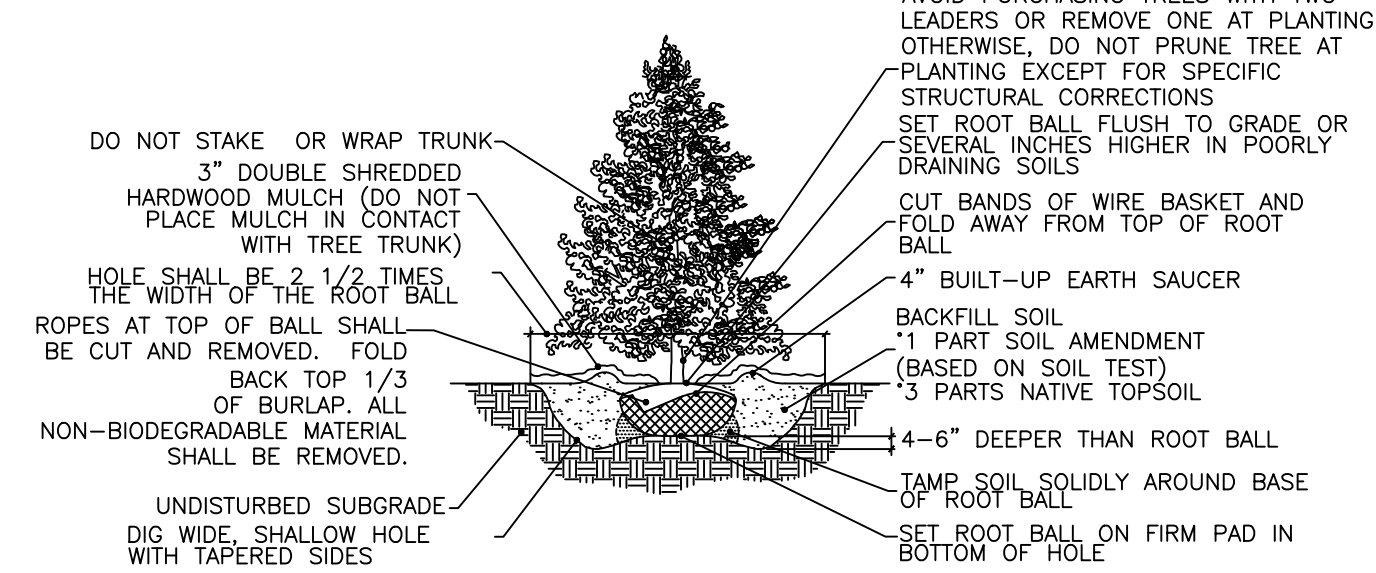


DECIDUOUS & EVERGREEN SHRUB PLANTING DETAIL
NOT TO SCALE

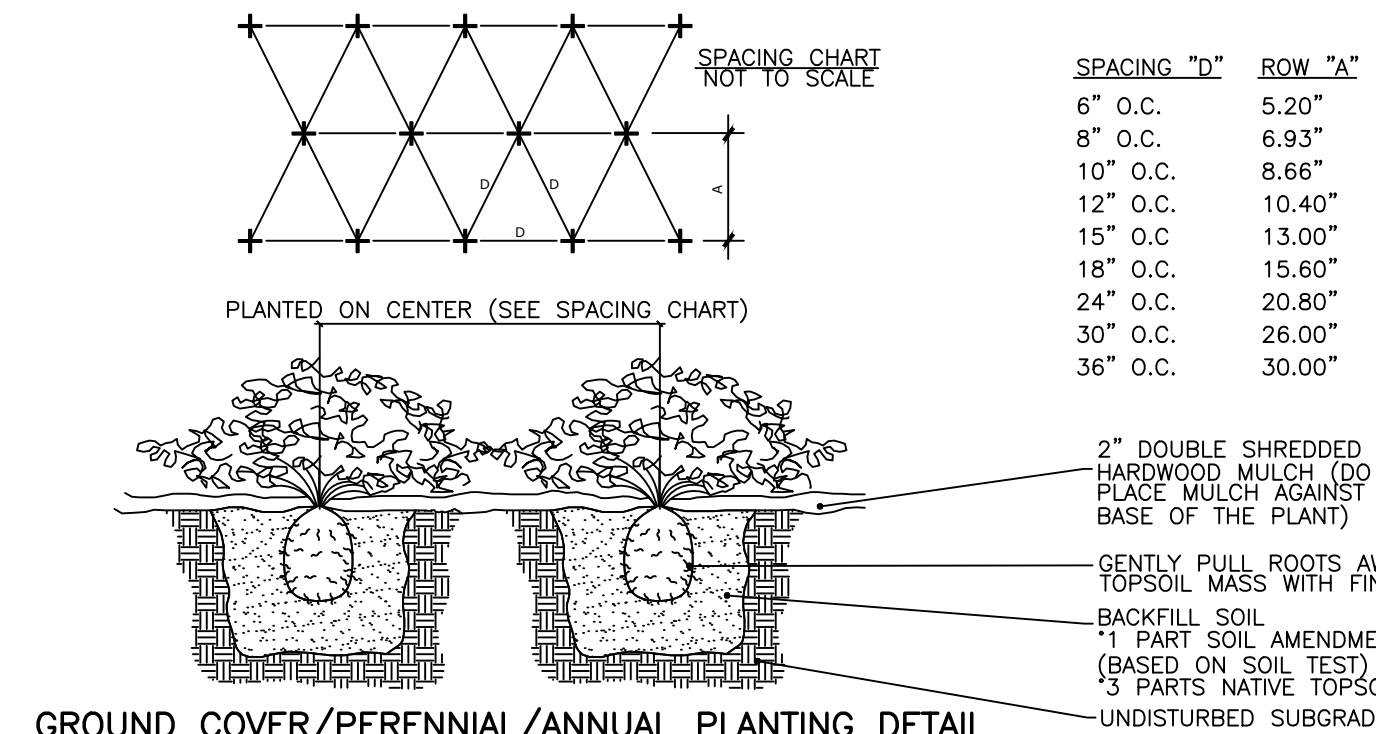
- NOTES:
1. THOROUGHLY SOAK THE GROUND COVER ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
 2. SOIL AMENDMENTS:MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP 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
 3. ALL GROUND COVER AREAS SHALL BE TREATED WITH A PRE-EMERGENT PER MANUFACTURER'S SPECIFICATIONS

NOTES:

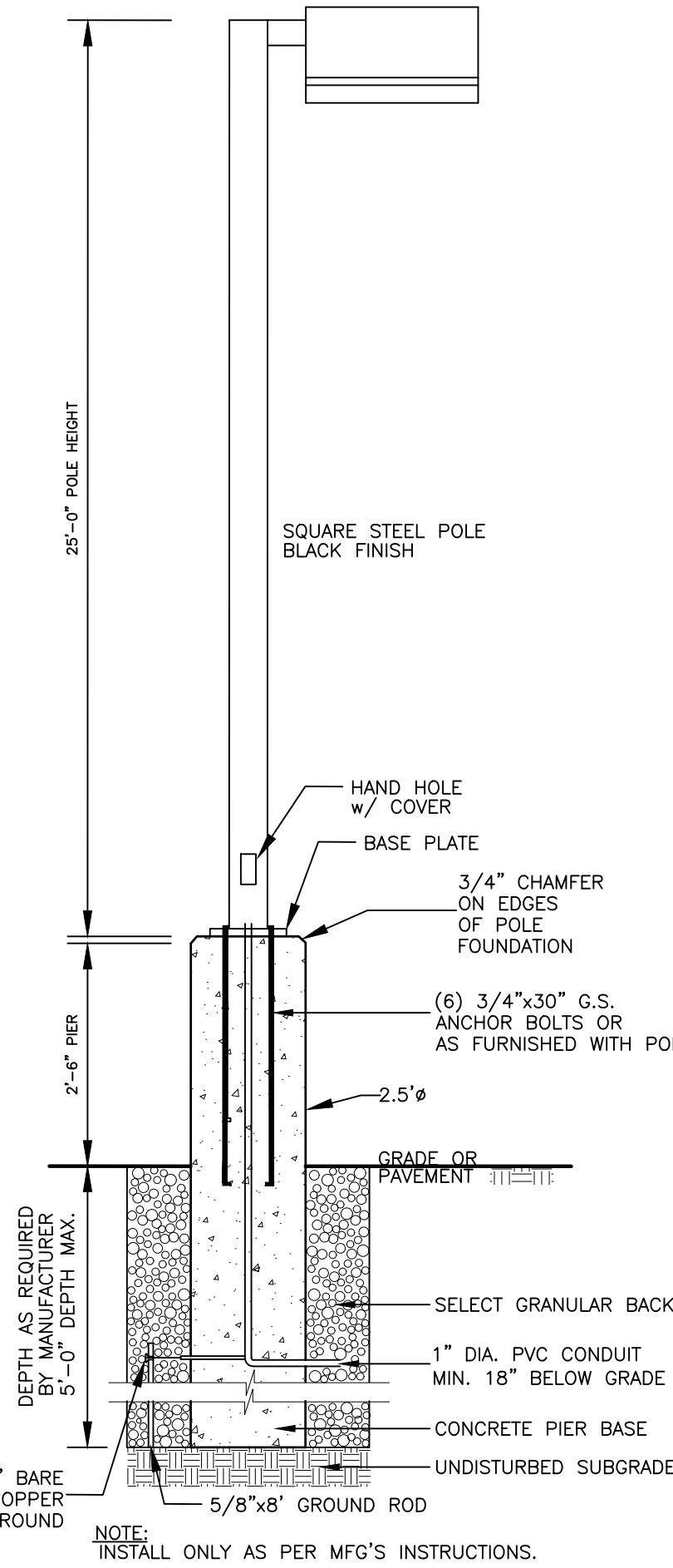
1. FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
2. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
3. 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
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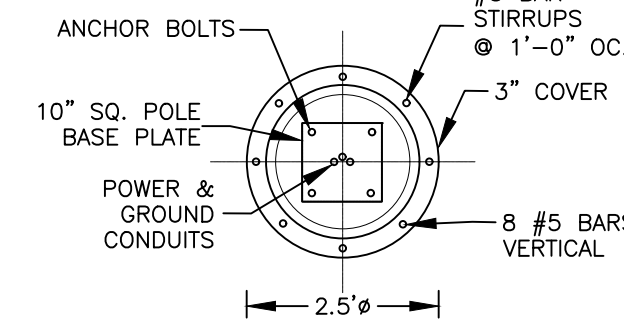
EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE



GROUND COVER/PERENNIAL/ANNUAL PLANTING DETAIL
NOT TO SCALE



POLE MOUNTED LIGHTING DETAIL



POLE FOUNDATION DETAIL
NOT TO SCALE

LIGHTING PLAN NOTES

- A. 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 LIGHTING 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.
- B. 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.

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

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

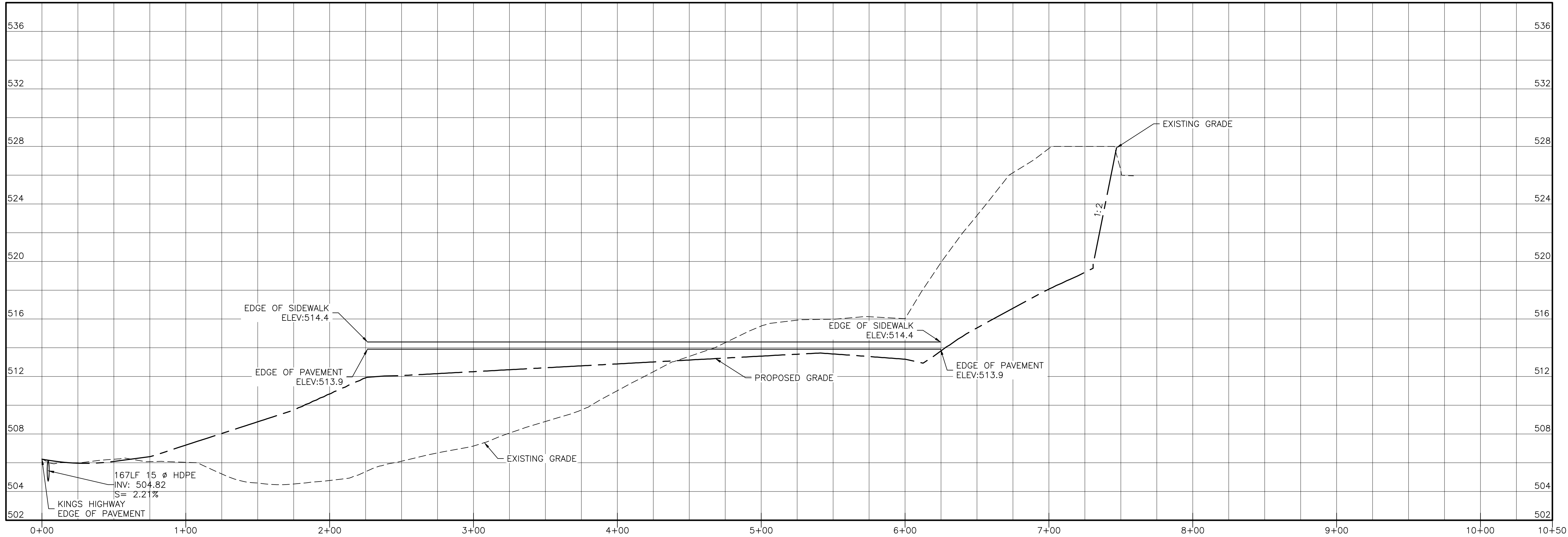
LIGHTING & LANDSCAPING DETAILS

DATE: 3/15/19
DRAWN: MM
CHECKED: MM
SHEET NO. 10 of 20

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

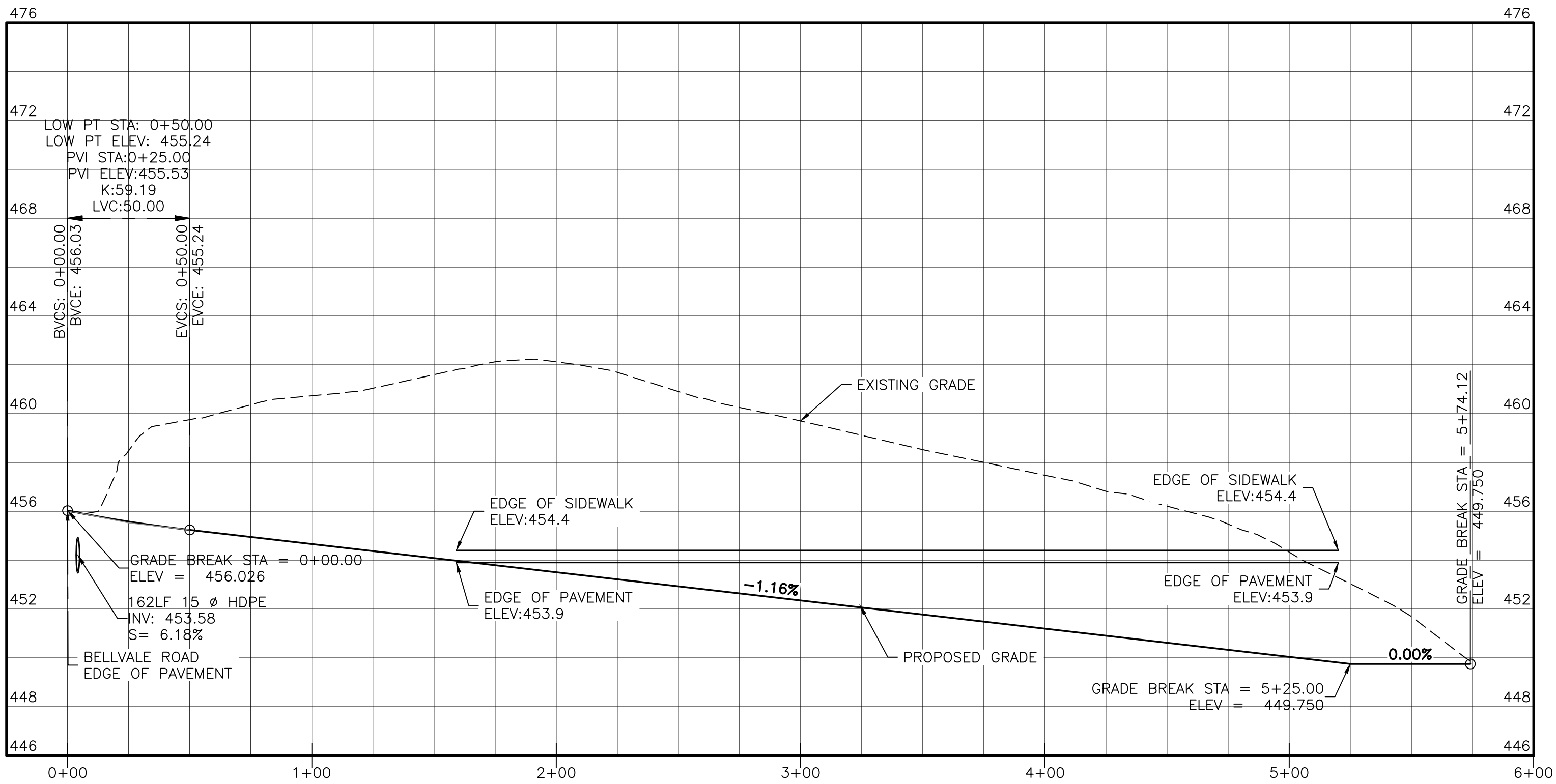
STANDARD COUNTY NOTE:

1. NO SITE PREPARATION ION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT IS 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'

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.


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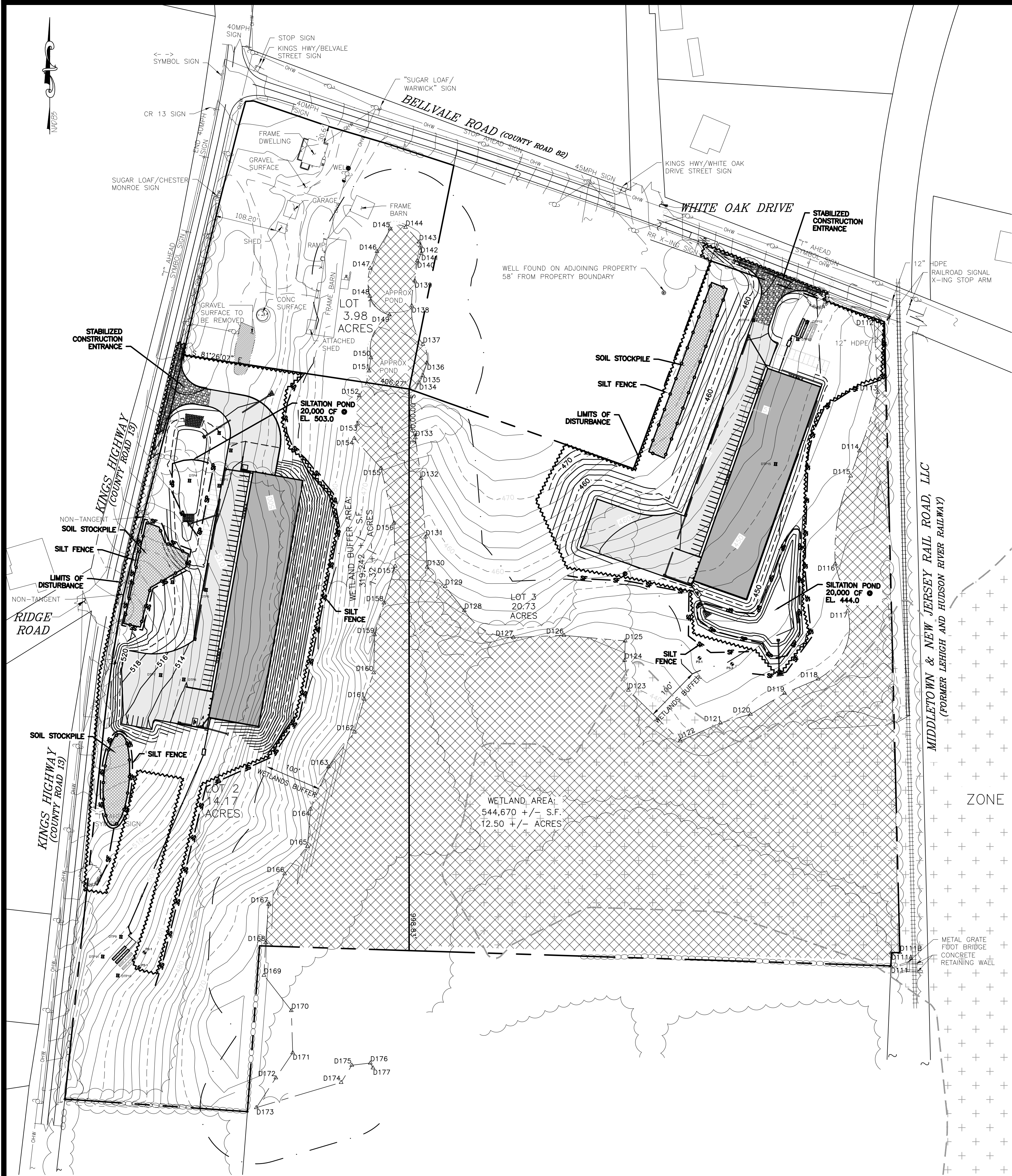
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CHESTER, NY 10918

JOB#: 18-029
SCALE: AS NOTED
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CHECKED: MM
SHEET NO. 11 of 20

ROAD PROFILES



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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

EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=100'



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"

LEGEND:

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

SILTATION POND SIZING:

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

BUILDING 2:
AREA OF DISTURBANCE= (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 SEEDBED SHALL BE LOOSE AND FRIABLE TO A DEPTH OF AT LEAST 3 INCHES. THE TOP LAYER SHALL BE LOOSENEED 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 SEEDBED AREAS IMMEDIATELY AFTER SEEDING. DURING THE TIME PERIODS WHEN SEEDING IS NOT PERMITTED, MULCH SHALL BE APPLIED IMMEDIATELY AFTER GRADING. MULCH SHALL BE UNROOTED, UNCHOPPED, SMALL GRAIN STRAW APPLIED AT A RATE OF 2 TONS PER ACRE OR 90 POUNDS PER 1,000 SQUARE FEET (2 BALES). 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 OR 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; CONFORMANCE TO BE DETERMINED BY ASTM D-1557-66T (MODIFIED PROCTOR). ANY FILL WITHIN THE BUILDING AREA 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 SLIPAGE.
- 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 SEEDBED 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 SEEDBED 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.

SPECIES	APPLICATION RATE
RYEGRASS (ANNUAL OR PERENNIAL) (USE WINTER RYE IF SEEDING IN OCT./NOV.)	30 LBS./ACRE (0.7 LBS./1,000 SF)

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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**
- 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.
 - STORM WATER INLETS THROUGHOUT THE SITE SHALL BE INSPECTED ANNUALLY FOR ACCUMULATED SEDIMENT OR OTHER PROBLEMS AND REPAIRED AS NECESSARY.

- PARKING AND ROADWAY PAVEMENTS**
- 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**
- 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.
 - IF VEGETATIVE STABILIZATION HAS BEEN DAMAGED FROM STORM WATER EROSION, CORRECT UPSTREAM CONDITIONS WHICH CAUSED THE EROSION. CHECKED DAMS MAY BE REQUIRED IN DRAINAGE WAYS, AND STONE OUTFALL APRONS MAY BE REQUIRED TO BE REPAIRED AT STORM WATER OUTLETS.

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

- EROSION AND SILTATION CONTROL NOTES:**
- 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.
 - 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

- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES FOR ALL ROAD AND DRIVE ENTRANCES. STREETS SHALL BE CLEANED DAILY.
- 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.
- 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.
- CLEAR EXISTING TREES AND VEGETATION FROM AREAS TO BE EXCAVATED OR FILLED, THEN STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE DISTURBED. SEED STOCKPILED TOPSOIL WITH TEMPORARY RYEGRASS COVER AS SPECIFIED BELOW (SEE NOTE 8), AND ERECT A SILT FENCE AROUND THE STOCKPILE.
- PROTECT ALL TREES WHICH ARE TO REMAIN AND WHICH ARE IN OR NEAR CONSTRUCTION AREAS.
- PERFORM NECESSARY EXCAVATION OR FILL OPERATIONS TO BRING SITE TO DESIRED SUBGRADE.
- 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.
- 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.
- IF CONSTRUCTION IS SUSPENDED OR COMPLETED, ALL DISTURBED AREAS SHALL BE SEEDBED 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.
- 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 VEGETATIVE ESTABLISHMENT ON THIS SHEET.
- DURING THE PROGRESS OF CONSTRUCTION, MAINTAIN ALL SEDIMENT TRAPS, BARRIERS, AND FILTERS AS NECESSARY TO PREVENT THEIR BEING CLOGGED UP WITH SEDIMENT.
- AFTER PAVEMENTS ARE INSTALLED AND PERMANENT VEGETATIVE COVER AND PLANTINGS ARE ESTABLISHED, REMOVE SEDIMENT BARRIERS AND SEED THOSE DISTURBED AREAS.
- MAINTAIN ALL SEEDBED AND PLANTED AREAS TO INSURE A VIABLE STABILIZED VEGETATIVE COVER.
- 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.
- 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.
- AFTER CONSTRUCTION IS COMPLETED, PERMANENT SEDIMENT OR EROSION CONTROL STRUCTURES SHOULD BE INSPECTED AT LEAST SEMI-ANNUALLY AND AFTER EVERY RAIN.

SILTATION POND NOTES:

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

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EROSION AND SEDIMENT CONTROL PLAN

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18-029

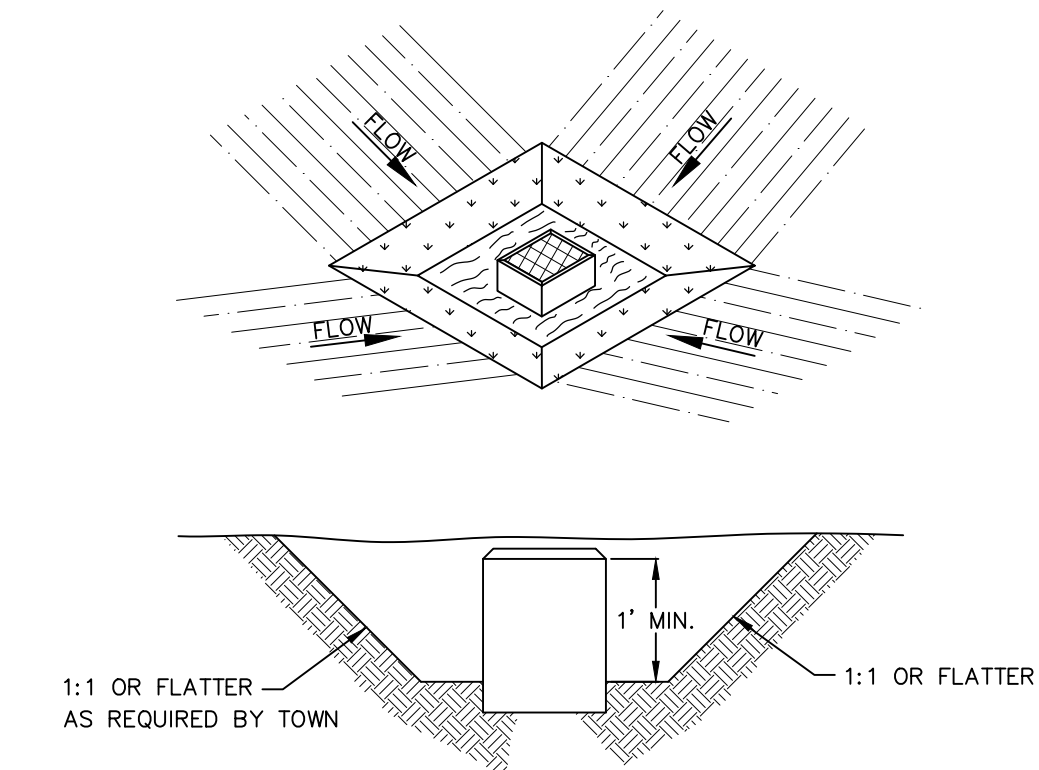
SCALE:
AS NOTED

DATE:
1/21/19

DRAWN:
MM

CHECKED:
MM

SHEET NO.
12 of 20



- CONSTRUCTION SPECIFICATION FOR ST-III**
- 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.
 - THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
 - CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
 - THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONSTRUCTED DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
 - ALL CUT SLOPES SHALL BE 1:1 OR FLATTER.

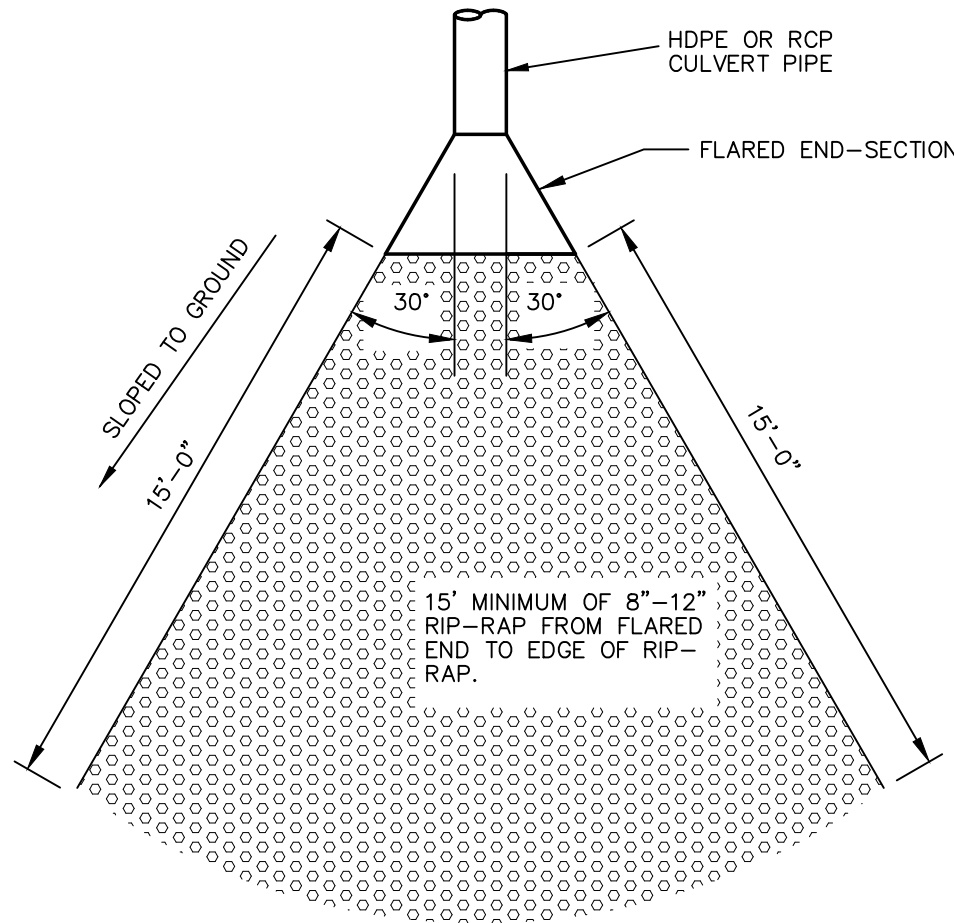
STORM INLET SEDIMENT TRAP
NOT TO SCALE
FOR CONSTRUCTION SPECIFICATIONS REFER TO "NY GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL"

LAND GRADING SPECIFICATIONS

- 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.
- 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".
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS.
- AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL.
- 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.
- ALL FILL TO BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- 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.
- FROZEN MATERIALS OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.
- STOCKPILES, BORROW AREAS AND SPOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF THIS STANDARD AND SPECIFICATION.

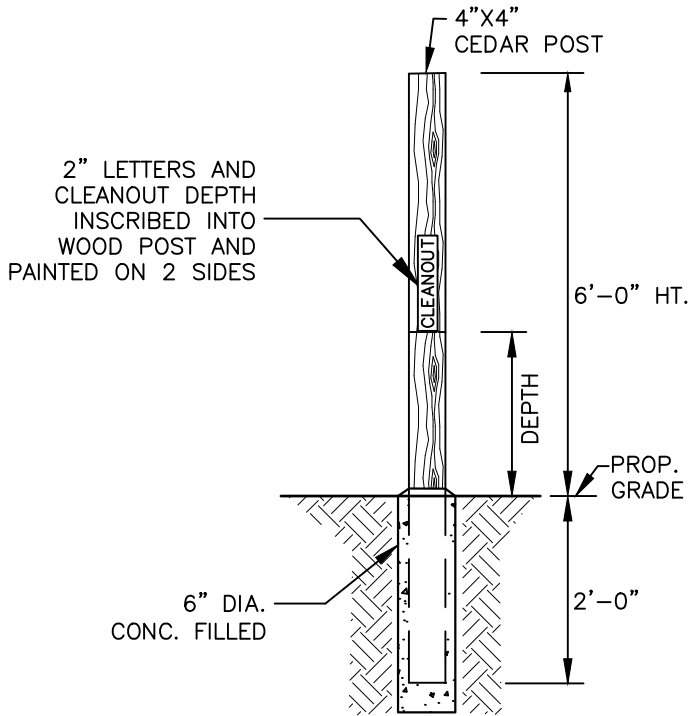
STANDARD COUNTY NOTE:

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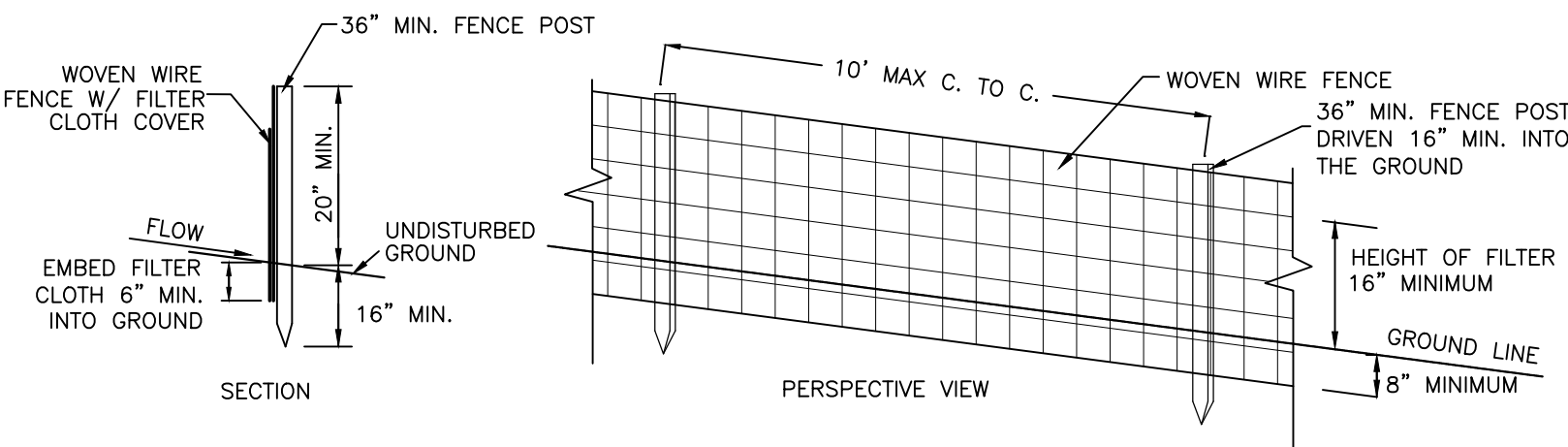


FLARED CULVERT END SECTION
NOT TO SCALE

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



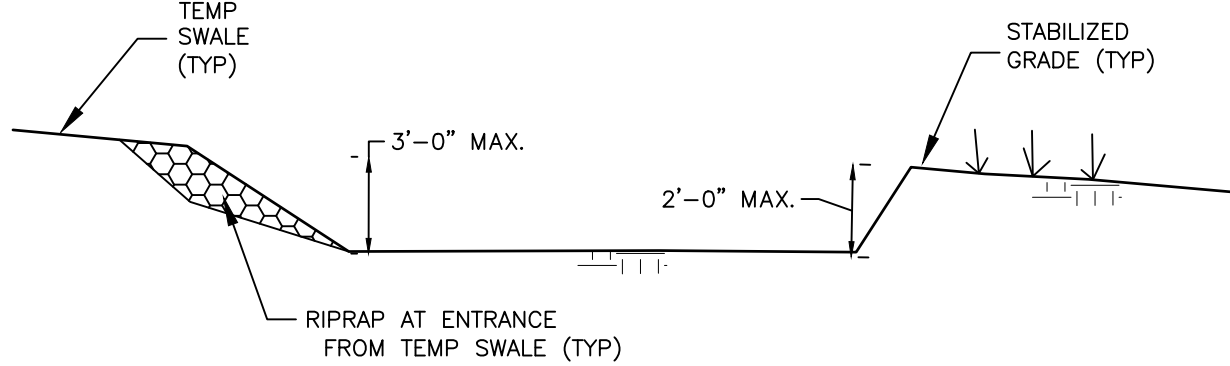
SEDIMENT CLEANOUT MARKER
NOT TO SCALE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

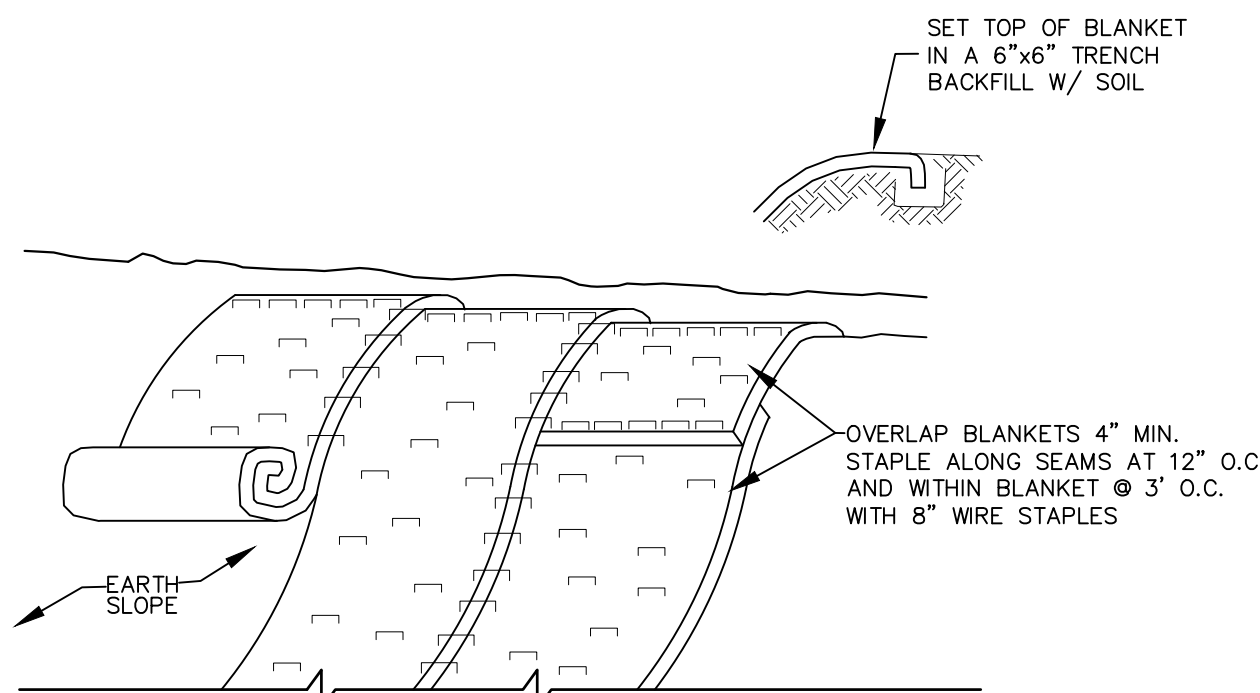
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POST WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
 - MAINTENANCE 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: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

SILT FENCE DETAIL
NOT TO SCALE



TEMPORARY SILTATION POND DETAIL
NOT TO SCALE

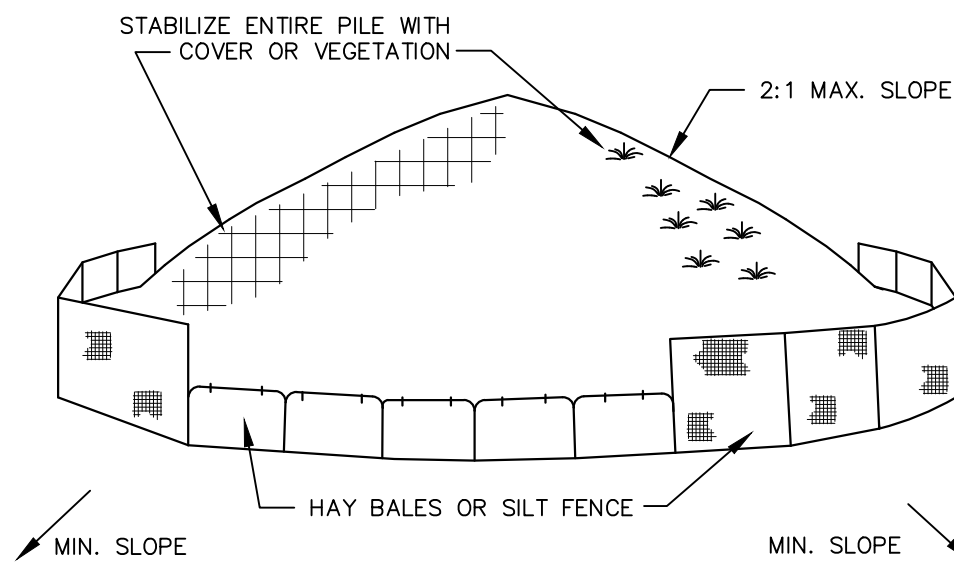
- SWALE SEDIMENT TRAP SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DIMENSIONS PROVIDED ON THE DESIGN DRAWINGS OR SIZED TO PROVIDE THE MINIMUM STORAGE NECESSARY: 1800 CU FT STORAGE FOR EACH ACRE OF DRAINAGE AREA. DRAINAGE AREA= 1.34 AC; 2500 CU FT PROVIDED.
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED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



SLOPE STABILIZATION DETAIL
NOT TO SCALE

NOTES:

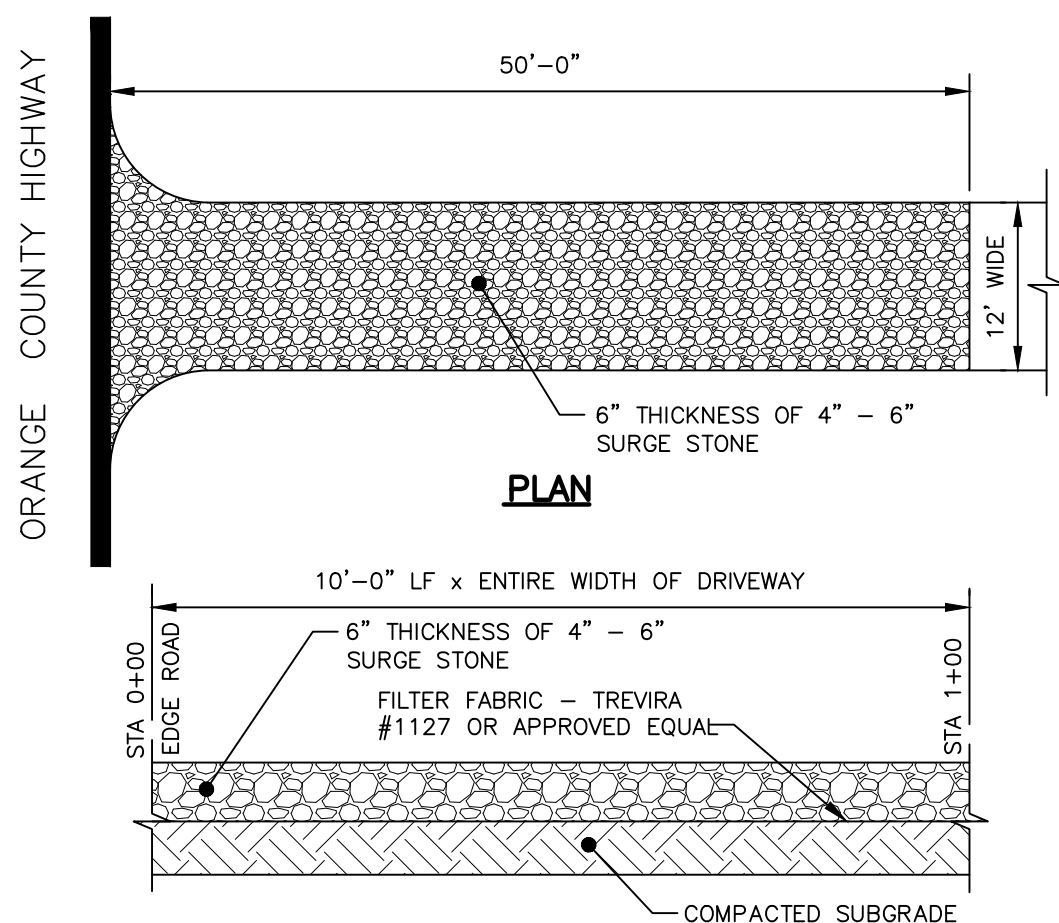
- STABILIZE PREPARED EARTHEN SLOPE WITH A BIODEGRADABLE NATURAL FIBER NETTING APPROVED TYPES ARE AS FOLLOWS:
-C350 -NORTH AMERICAN GREEN #1-800-772-2040
-ECCOIR 9000- EASTERN PRODUCTS, INC. #1-201-234-5050
-ERO-MAT V125C- EROSION CONTROL TECH. #1-800-245-0551
-ALL SLOPE RESTORATION TO GET 4" TOPSOIL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



INSTALLATION NOTES:

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

SOIL STOCKPILE DETAIL
NOT TO SCALE



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

Dig Safely. New York
Call 811
before you dig

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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P.O. BOX 340 MONROE, N.Y.
TEL: (845) 782-8114
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SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

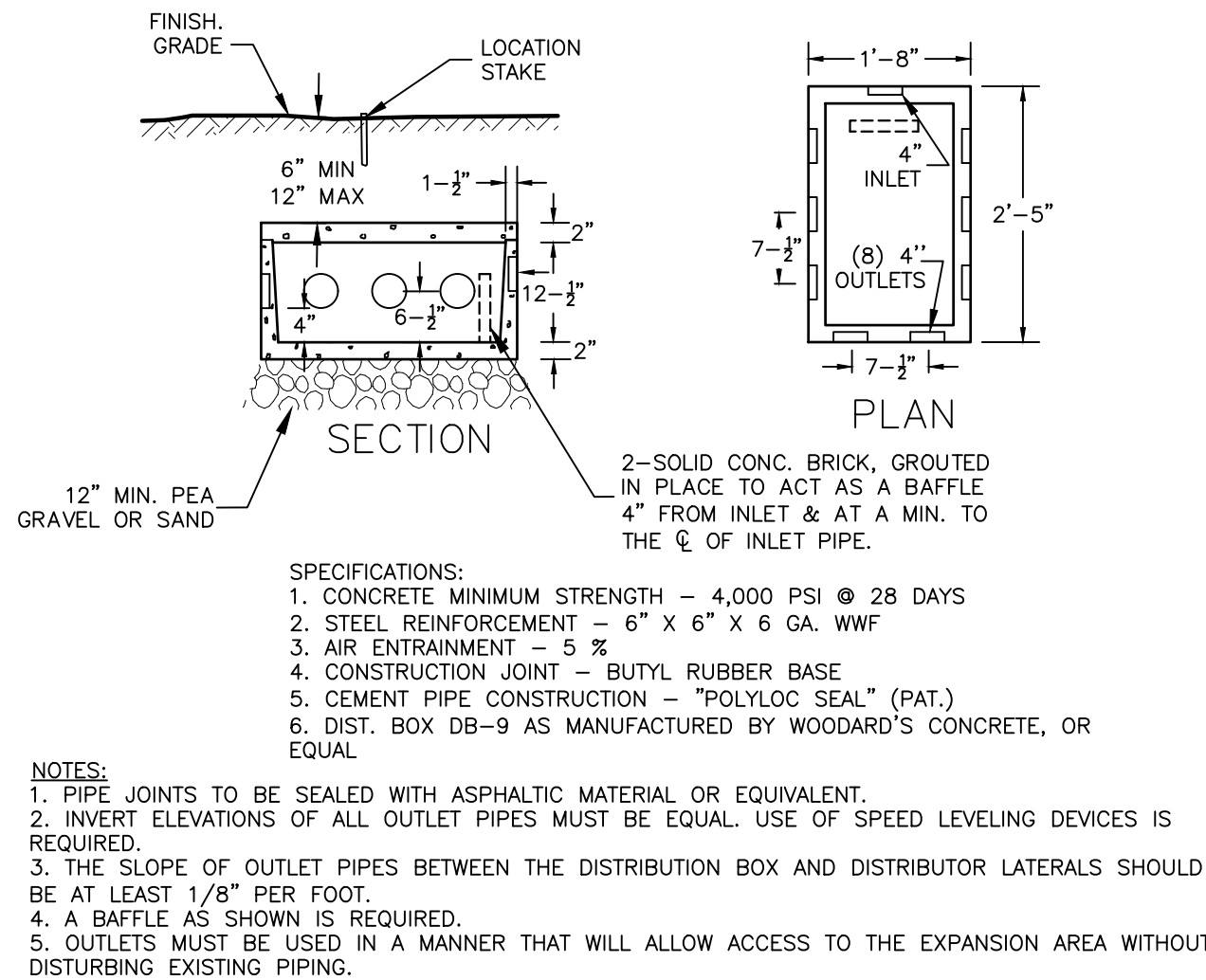
EROSION AND SEDIMENT CONTROL PLAN DETAILS

JOHN A. MORGANTE
LICENSED PROFESSIONAL ENGINEER
078577
MICHAEL A. MORGANTE, P.E.
LIC. NO. 78577

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

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8-OUTLET DISTRIBUTION BOX
NOT TO SCALE

- NOTES:
- SYSTEM TO BE INSTALLED IN CONFORMANCE WITH ALL NYSOCH REQUIREMENTS FOR RESIDENTIAL WASTEWATER TREATMENT SYSTEMS.
 - SYSTEM TO MEET ALL SEPARATION REQUIREMENTS.
 - PERFORATED PIPE SHALL BE PLACED SO THAT HOLES ARE FACING 5 & 7 O'CLOCK POSITIONS.
 - LATERALS ARE TO BE SET LEVEL.
 - ALL TRENCHES TO HAVE IDENTICAL NUMBER OF ELJEN UNITS.
 - END OF ALL DISTRIBUTION PIPES MUST BE PLUGGED.
 - RAKE SIDES & BOTTOM OF TRENCH PRIOR TO PLACING SAND.
 - DO NOT INSTALL TRENCHES IN WET SOIL.
 - 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.
 - THE BACKFILL IN THE TRENCHES MUST BE MOUNDED FOR SETTLING.
 - SEE TABLE BELOW FOR ASTM C33 SAND SPECIFICATIONS.

SEIVE SIZE	SEIVE SIZE SQ. OPENING	% PASSING BY WEIGHT (WET SIEVE)	
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 μ m	25	60
NO. 50	300 μ m	5	30
NO. 100	150 μ m	0	<10
NO. 200	75 μ m	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:

- WHEN WASTEWATER TREATMENTS 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.
- MEAN HIGH WATER MARK, WETLAND OR WATERCOURSE DETERMINATIONS SHOULD BE ADDRESSED WITH THE LHD OR OTHER AGENCY HAVING JURISDICTION AND THE APPLICABLE NYSOCH REGIONAL OFFICE.
- 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.
- SEPARATION DISTANCES SHALL ALSO BE MEASURED FROM THE EDGE OF THE DESIGNATED ADDITIONAL USEABLE AREA [i.e. RESERVE AREA], WHEN AVAILABLE.
- 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).
- WHEN INTERMITTENT SAND FILTERS ARE DESIGNED TO BE WATERTIGHT AND COLLECT ALL EFFLUENT, THE SEPARATION DISTANCE CAN BE REDUCED TO 50 FEET.
- 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.
- 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).

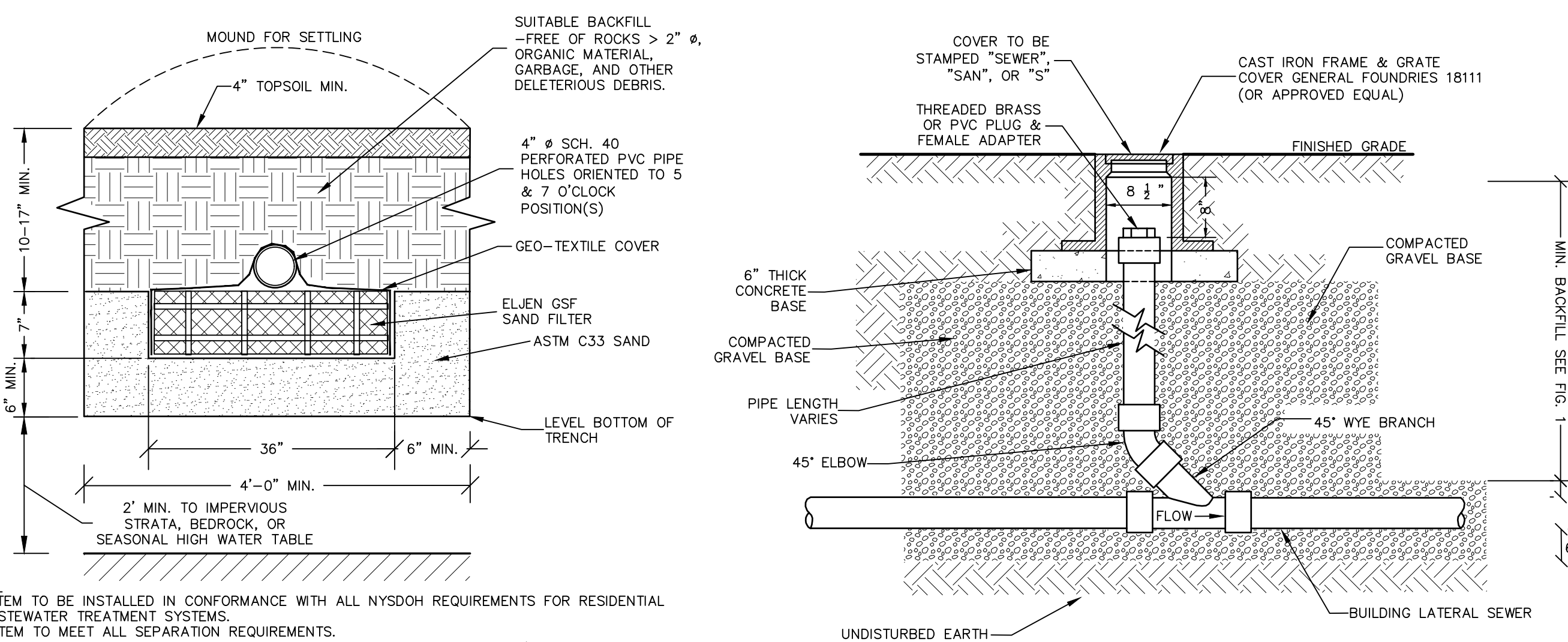
SWIMMING POOLS (ABOVE OR BELOW GROUND): IT IS RECOMMENDED THAT SYSTEM COMPONENTS BE LOCATED A MINIMUM OF 20 FEET AND THE ABSORPTION FIELD BE LOCATED A MINIMUM OF 35 FEET FROM SWIMMING POOLS. MAXIMIZE SEPARATION DISTANCES AND USE SITE EVALUATION TO MINIMIZE IMPACTS ON OWTs ACCESSIBILITY AND FUNCTIONALITY.

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

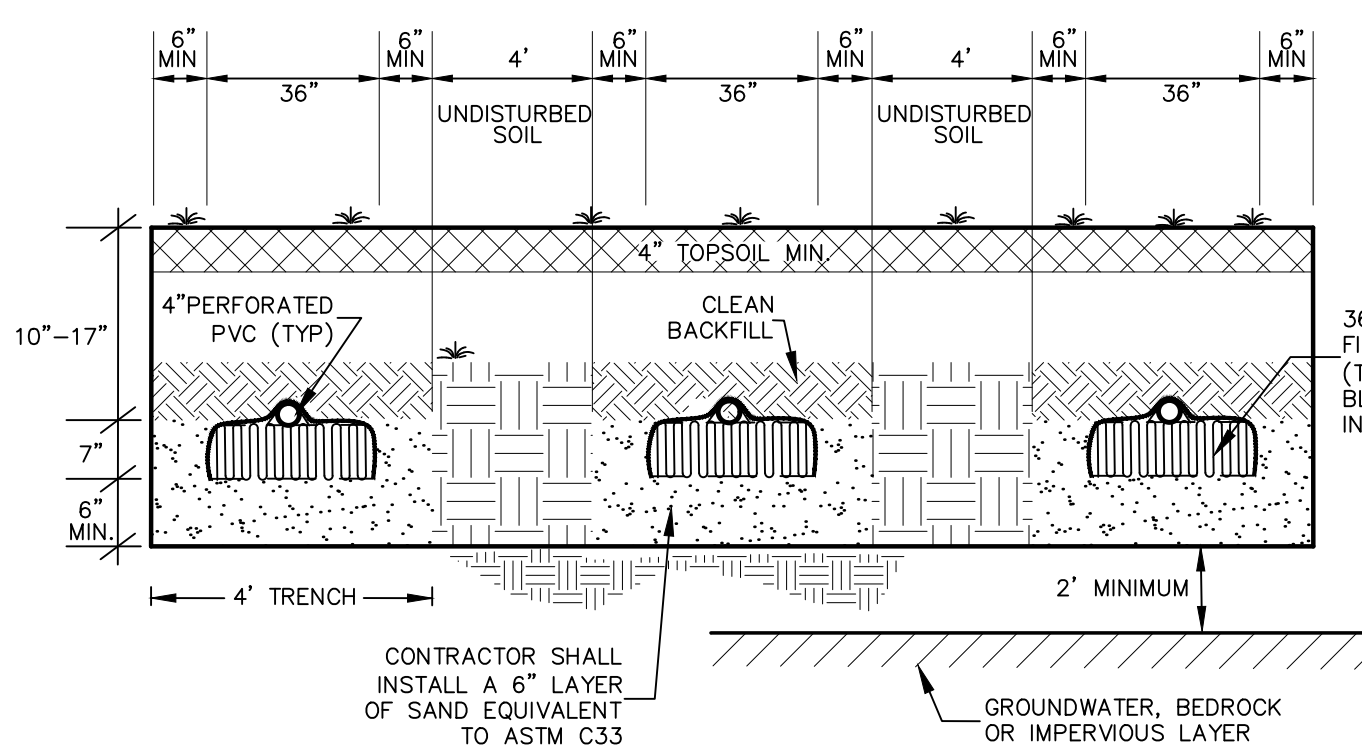
- SEPARATION: WELL TO SWALE, STREAM OR WATERCOURSE - 25'.
- SEPARATION: ABSORPTION FIELD TO THE HIGH WATER LINE OF A WET POND - 100'.
- SEPARATION: ABSORPTION FIELD TO INTERMITTENT STREAM, DRY WELL, CULVERT OR STORM SEWER (NON-GASKETED PIPE), OR CATCH BASIN - 50'.
- SEPARATION: ABSORPTION FIELD TO CULVERT 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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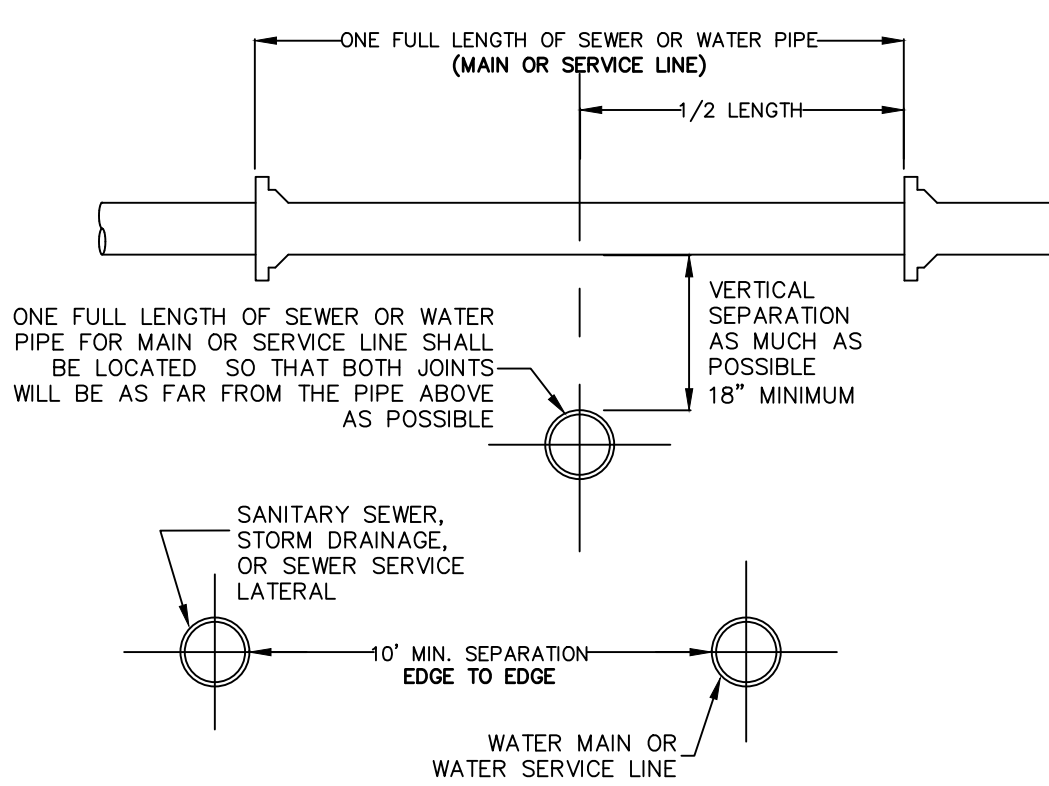
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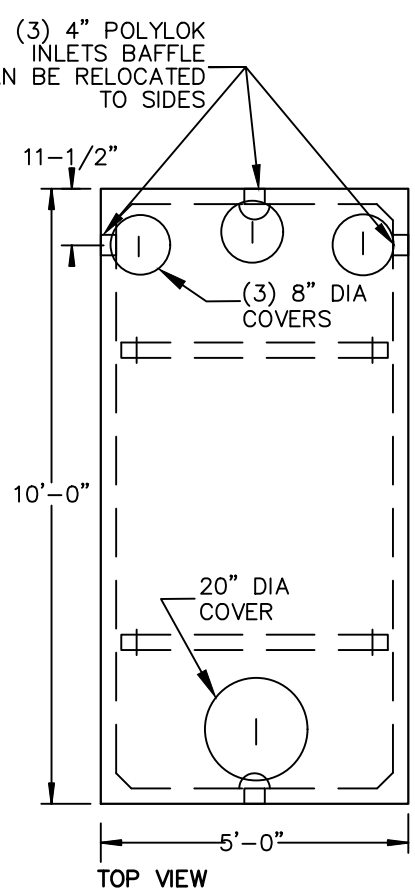
BUILDING LATERAL SEWER CLEANOUT (C.O.)
NOT TO SCALE



TYPICAL ELJEN TRENCH CROSS SECTION
NOT TO SCALE

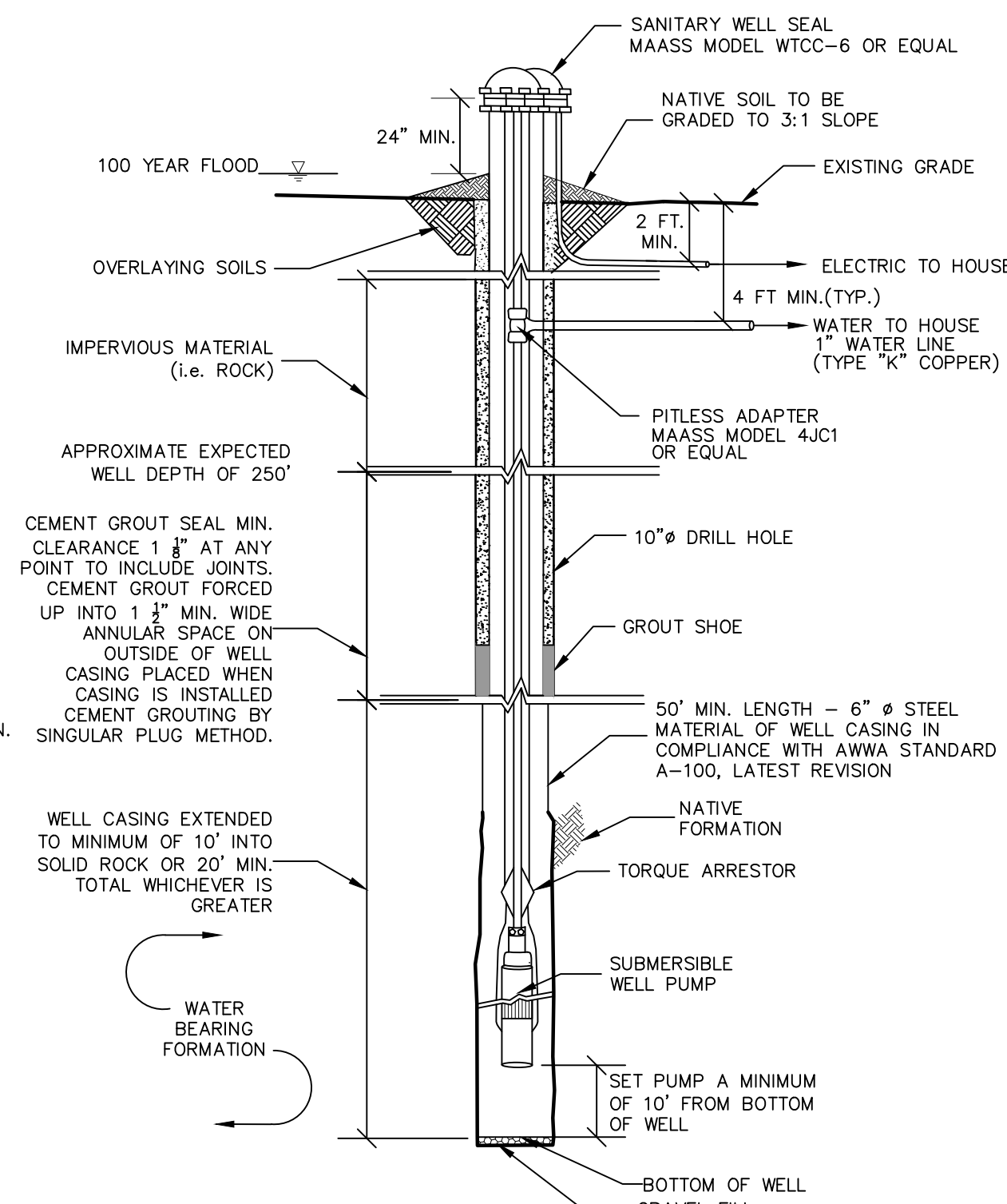


WATER & SEWER HORIZONTAL SEPARATION
NOT TO SCALE

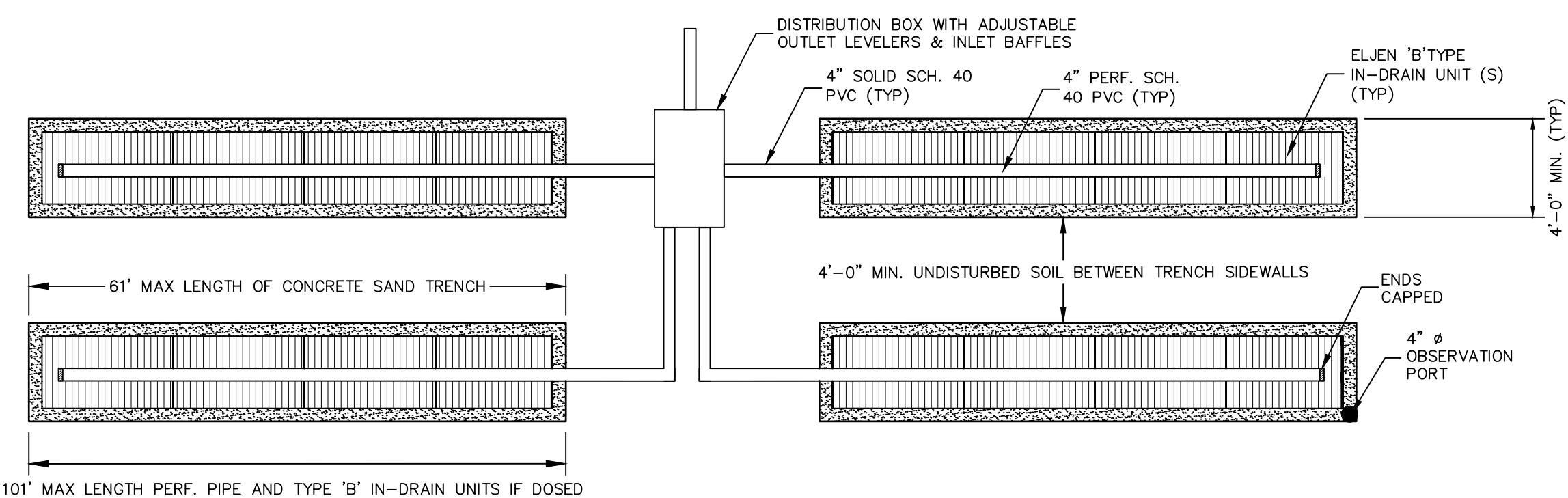


1.250 GALLON SEPTIC TANK
NOT TO SCALE

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



WELL DETAIL
NOT TO SCALE



ELJEN ABSORPTION TRENCH CONFIGURATION
NOT TO SCALE

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2.	MM	8/9/19	REVISIONS PER NYSDEC WETLAND DELINEATION

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

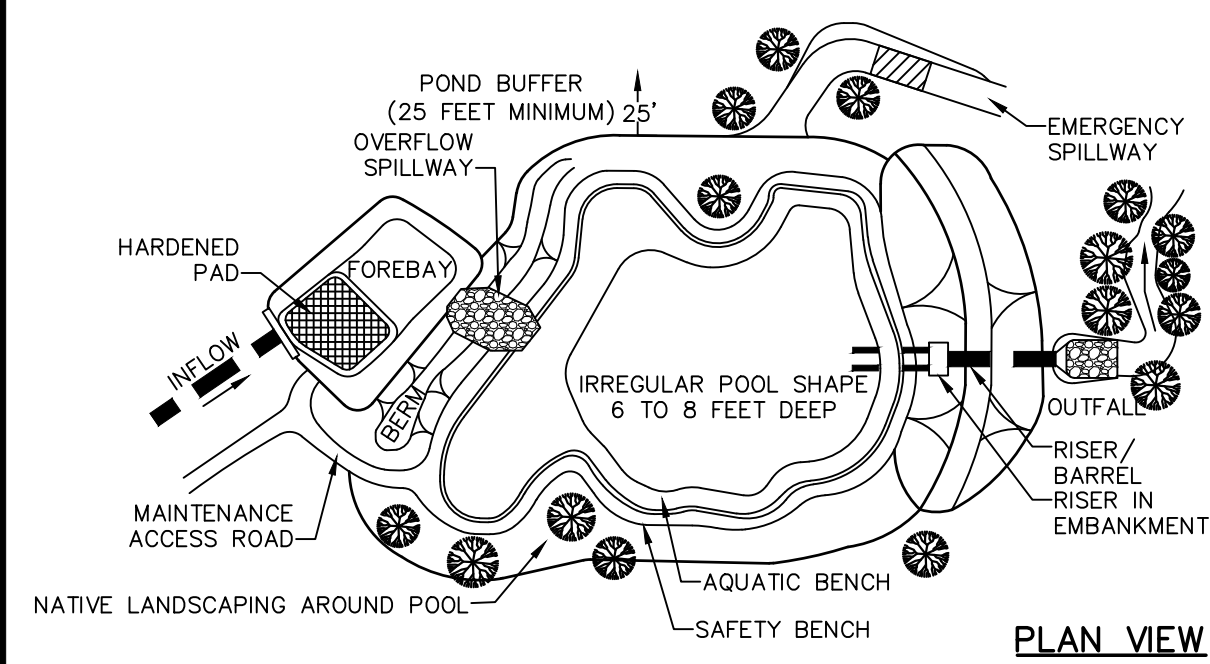
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**SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918**

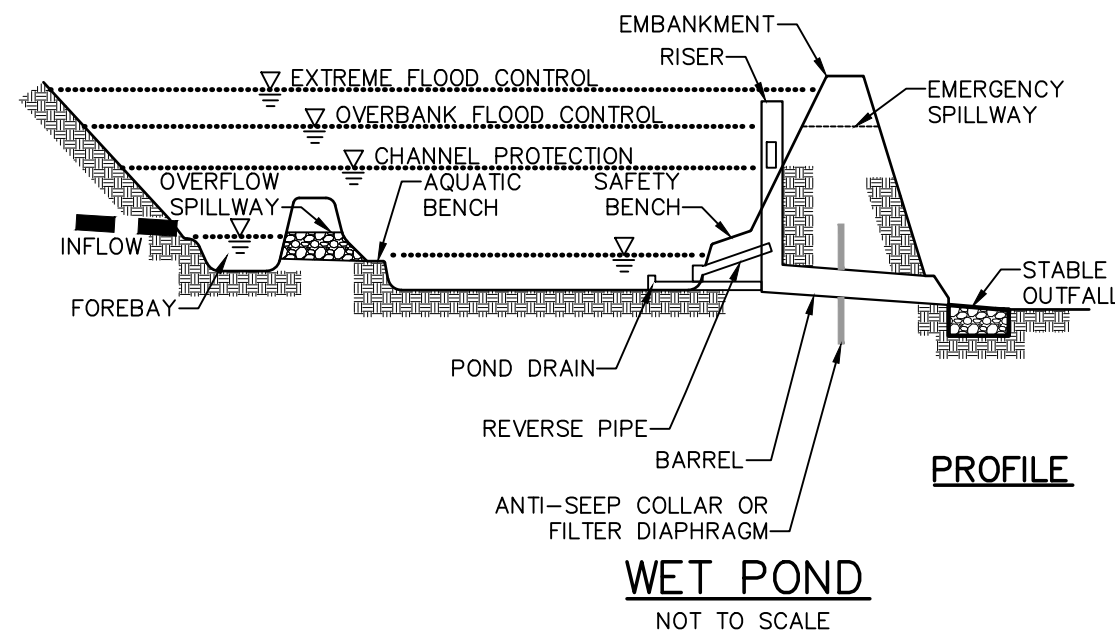
SANITARY DETAILS

JOBS: 18-029
SCALE: AS NOTED
DATE: 3/15/19
DRAWN: MM
CHECKED: MM
SHEET NO.: 14 of 20

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



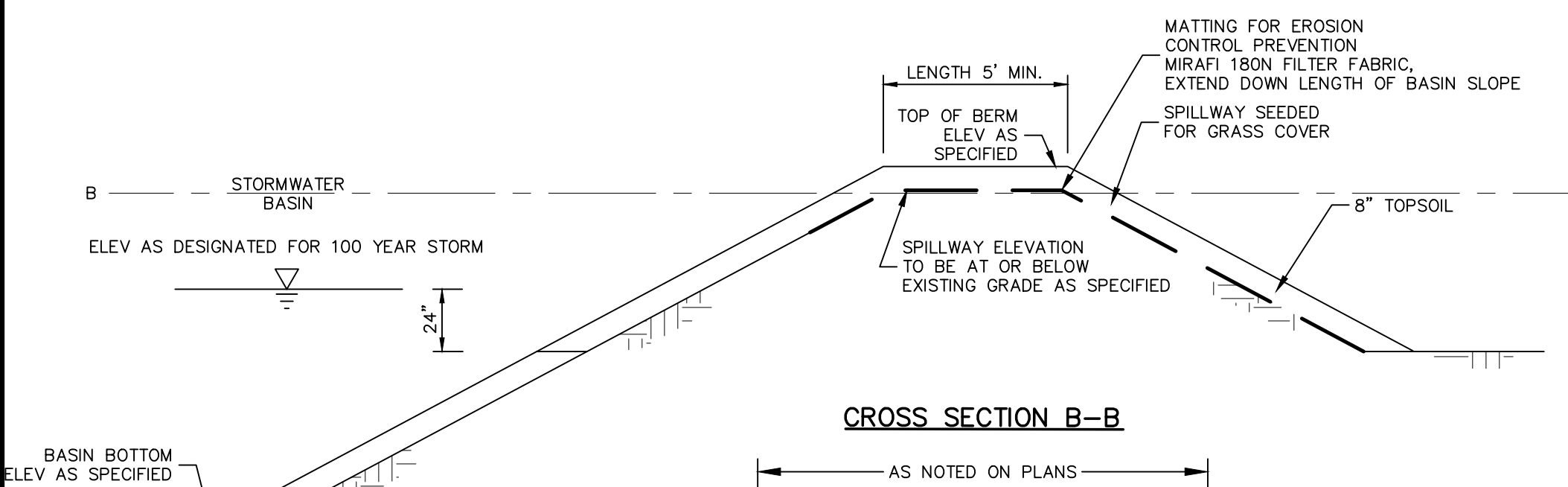
PLAN VIEW



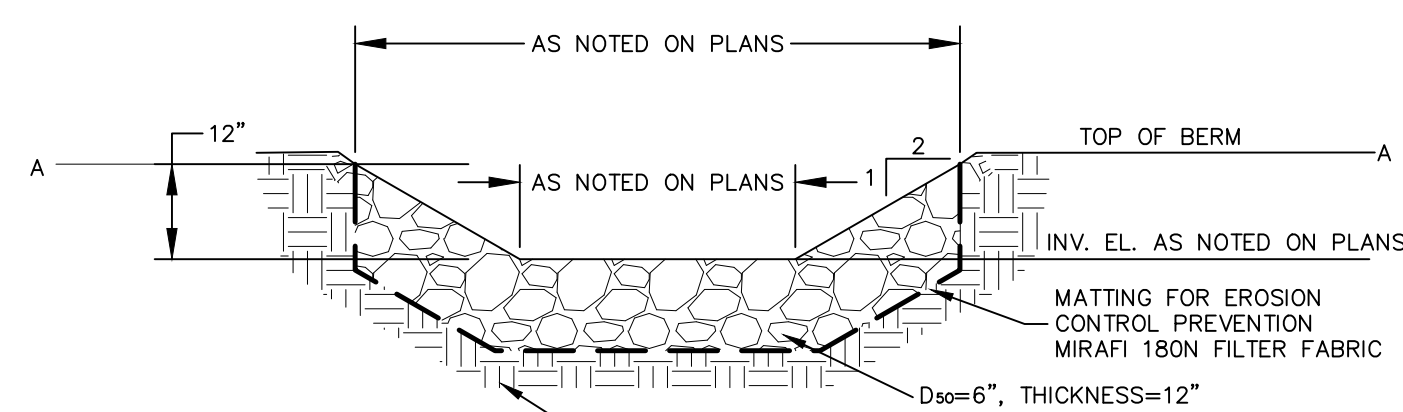
PROFILE

WET POND
NOT TO SCALE

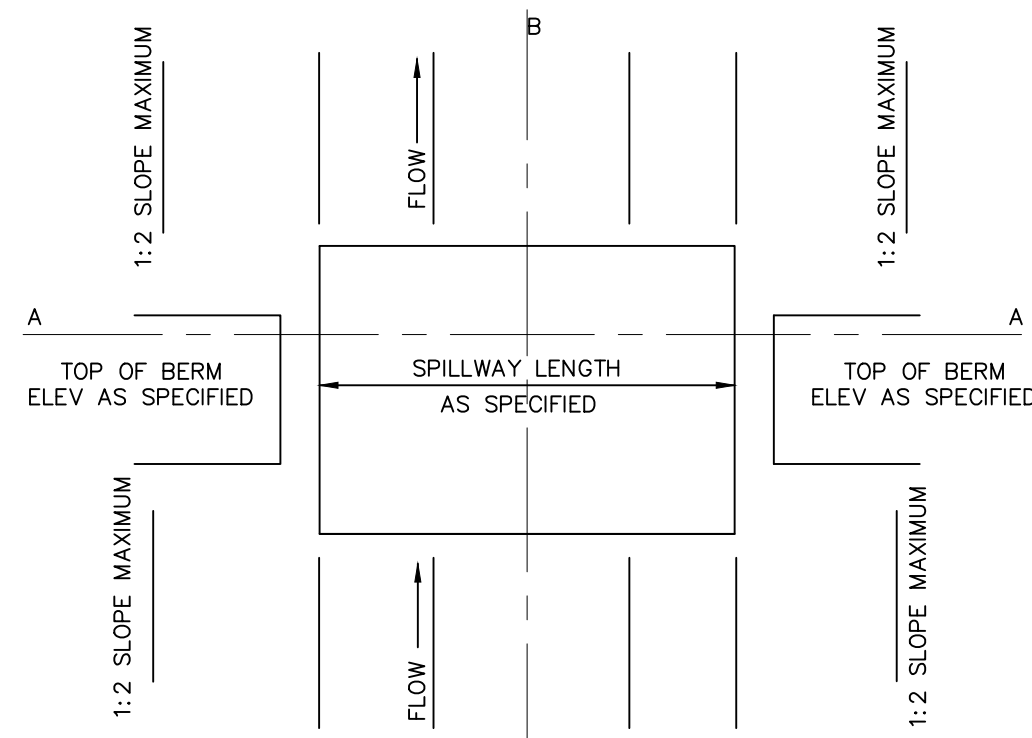
STORMWATER BASIN DATA		
BASIN OUTLET STRUCTURE	OS-1	OS-2
A INVERT OF OUTLET STRUCTURE	501.75	441.75
B OUTLET STRUCTURE DIMENSIONS (OUTSIDE)	60" x 60"	60" x 60"
C TOP OF STRUCTURE ELEVATION	503	445.5
D BOTTOM OF STRUCTURE ELEVATION	501.25	441.25
E CULVERT: DIAMETER/INVERT ELEVATION	15" 503	15" 442.5
F 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



PLAN VIEW

SPILLWAY DETAILS (TYP.)

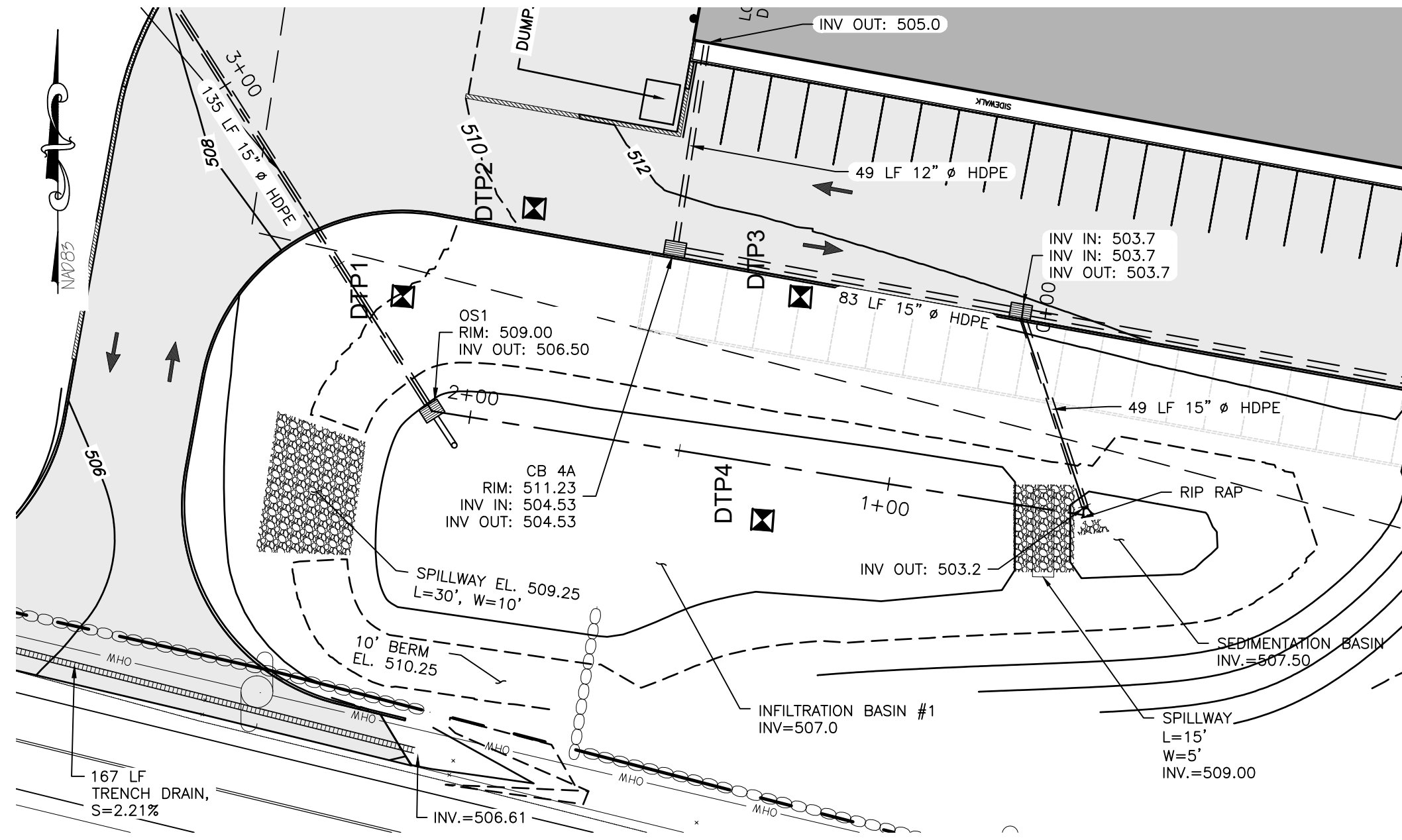
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STORMWATER DEEP TEST PIT OBSERVATIONS LOT 2

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"



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 VIALBE 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 PERFORATED 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 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:

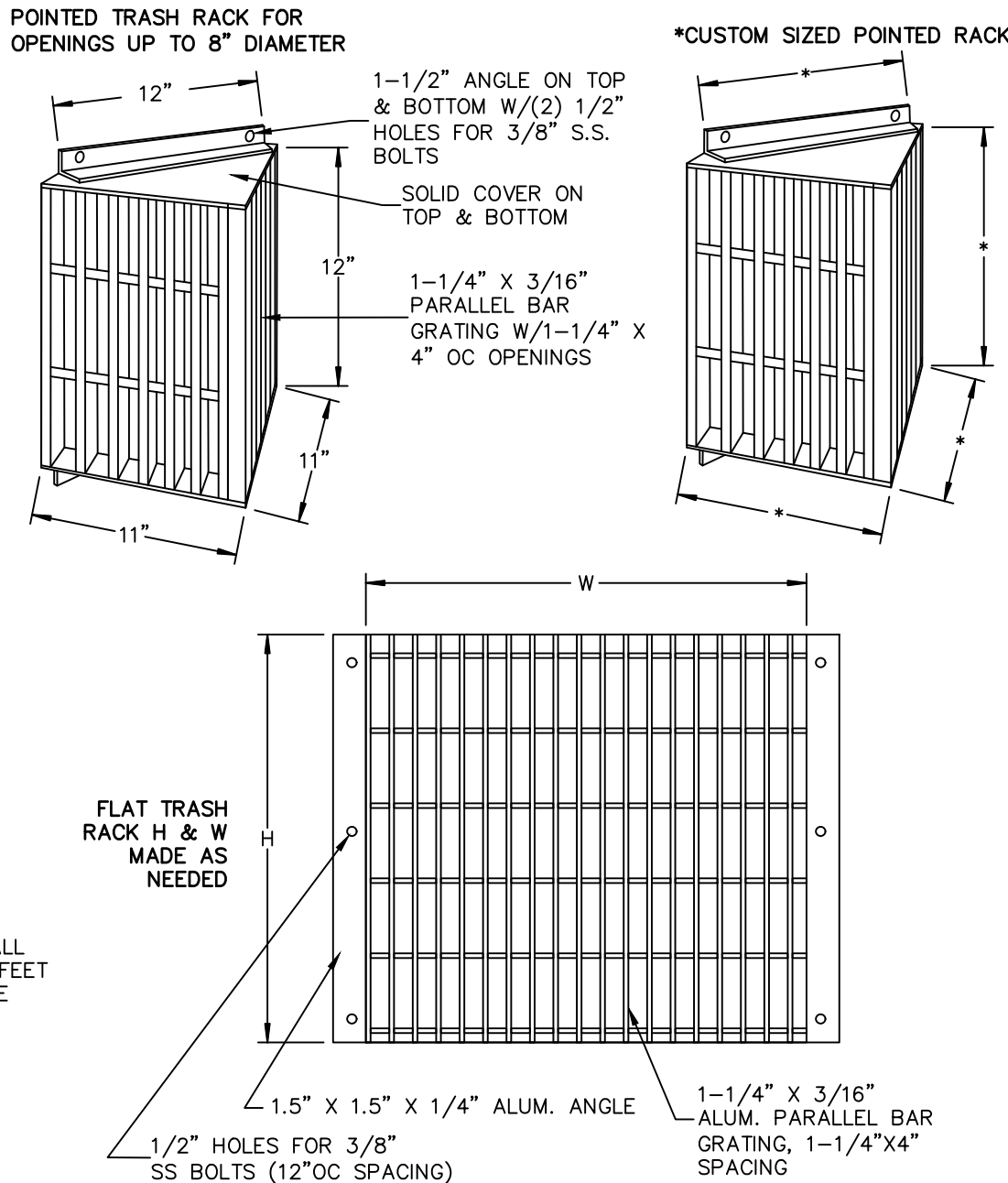
1. ALL CONCRETE SHALL BE A MINIMUM 4,000 PSI.
2. UPON COMPLETION OF INFILTRATION BASIN CONSTRUCTION, OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE DRAINAGE FACILITIES IN ACCORDANCE WITH THE NYSDEC STORMWATER MANAGEMENT DESIGN MANUAL. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO:
 - A. REMOVAL OF DEBRIS 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.

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.
- 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

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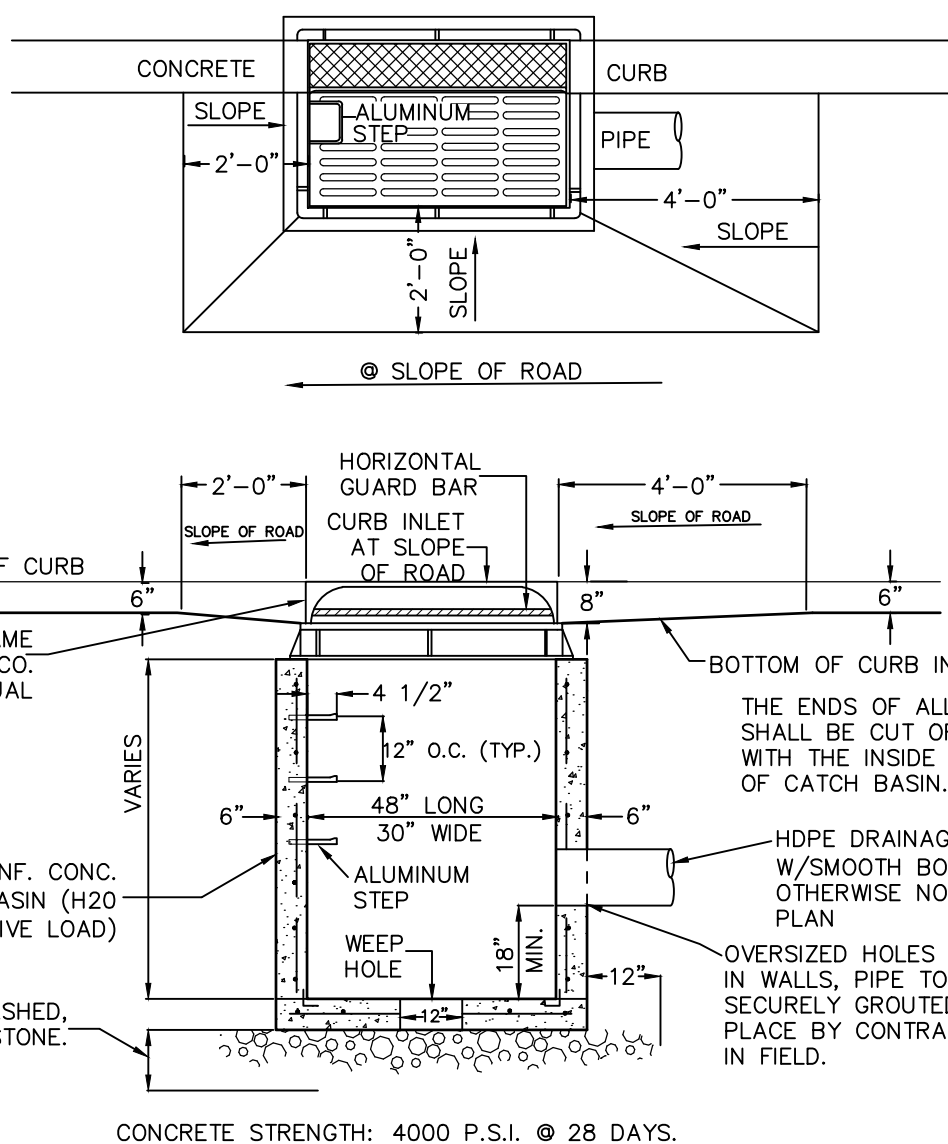


ALUMINUM TRASH RACK FOR CONCRETE WEIR

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PEAKED ALUMINUM TRASH RACK FOR POND OUTLET

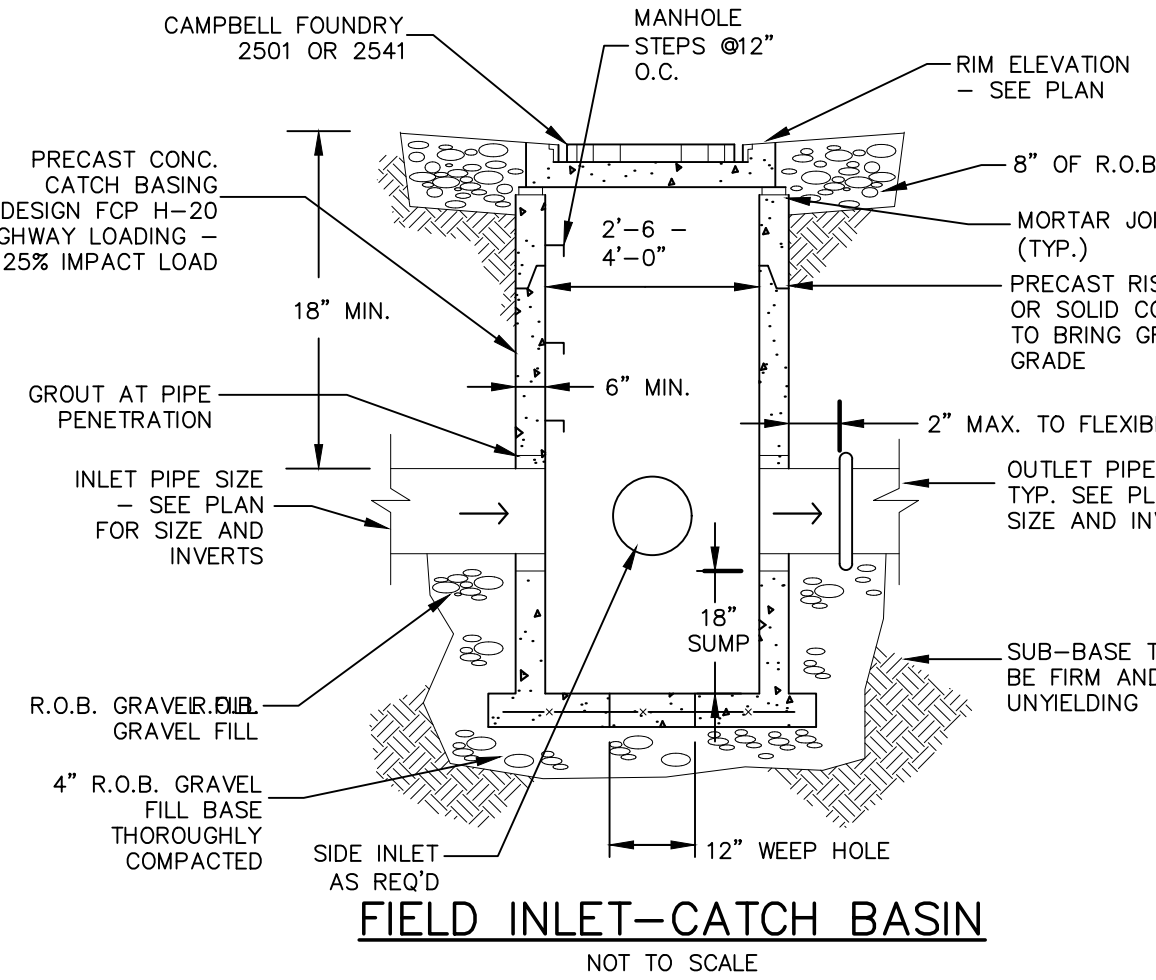
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CURB INLET-CATCH BASIN

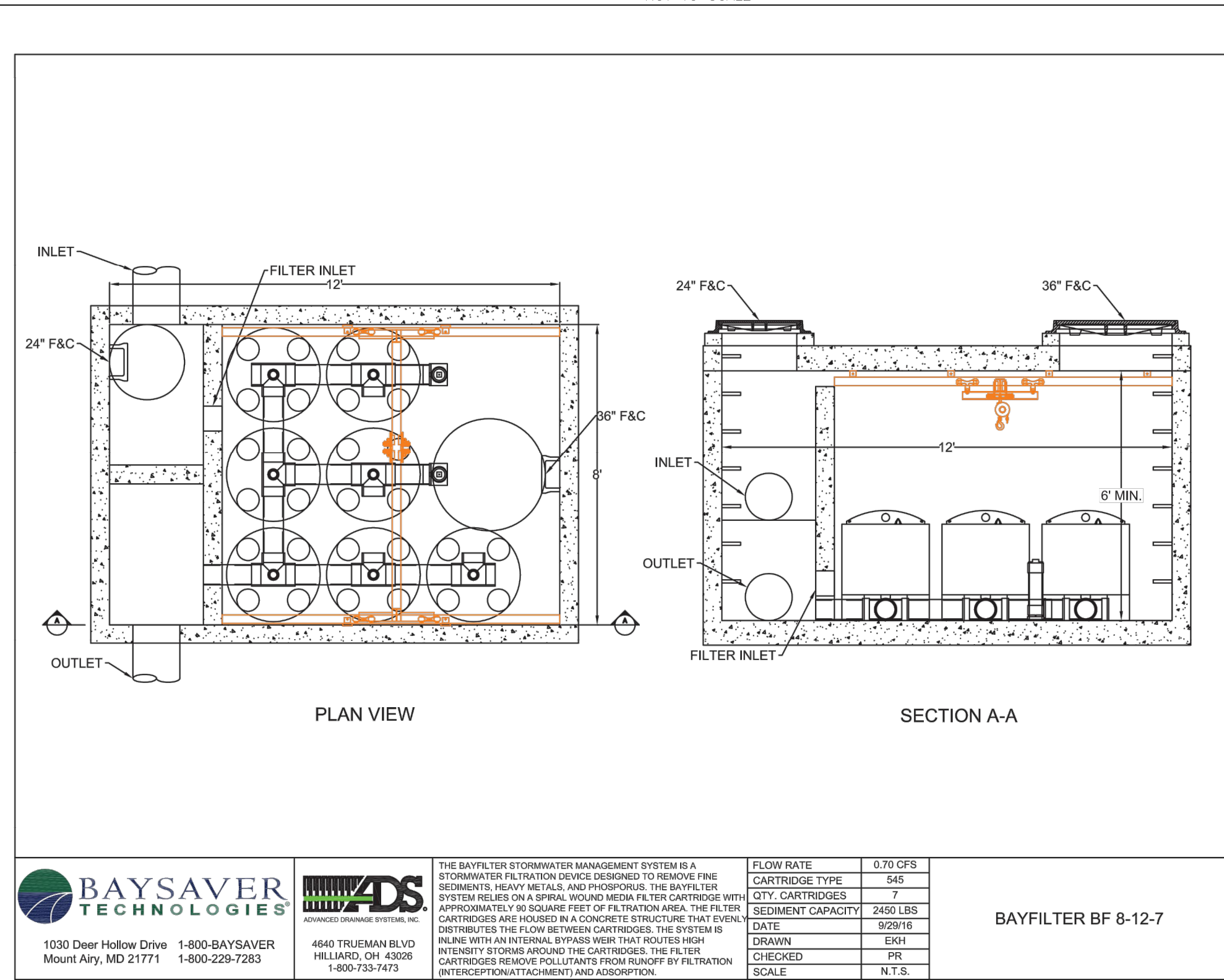
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- NOTES:
1. RETAINER GLANDS ARE REQUIRED ON ALL FITTINGS IN ADDITION TO THE RODS AND THRUST BLOCKS.
 2. ALL UTILITY TRENCHES WITHIN PAVED AREAS SHALL BE BACKFILLED FULL DEPTH WITH RUN-OF-BANK GRAVEL.
 - ALL UTILITIES TO BE DEDICATED TO THE TOWN SHALL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



FIELD INLET-CATCH BASIN

NOT TO SCALE



STORMWATER FACILITY MAINTENANCE NOTES:

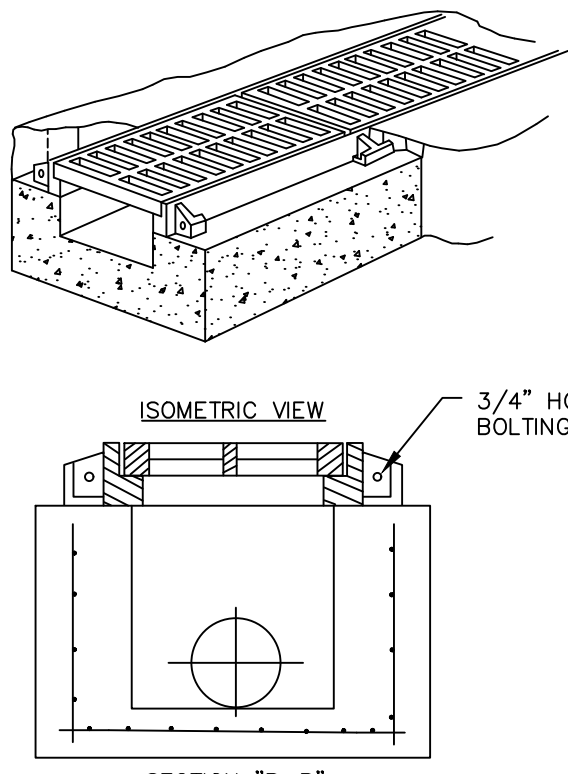
STORMWATER MANAGEMENT FACILITIES SHALL BE REGULARLY MAINTAINED TO ENSURE THEY FUNCTION AT DESIGN CAPACITY AND TO PREVENT HEALTH HAZARDS ASSOCIATED WITH DEBRIS AND STAGNANT WATER. THE PRIVATELY OWNED PORTION OF THE SYSTEM MUST BE PRIVATELY MAINTAINED.

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.

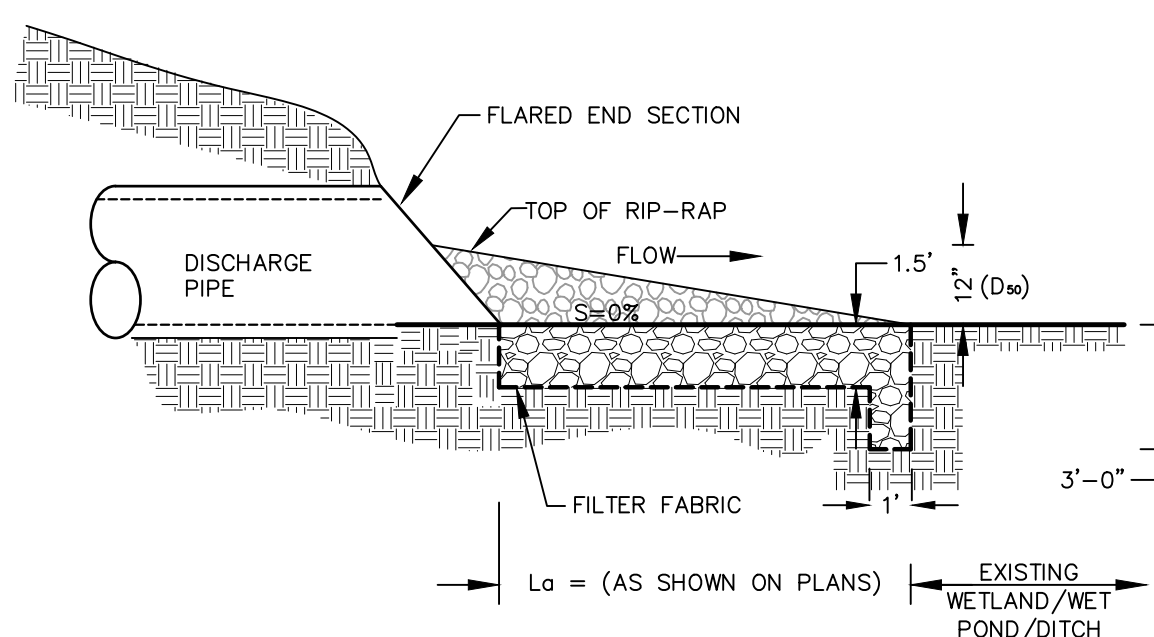
SEDIMENT TRAP & BASIN CONSTRUCTION SPECIFICATIONS:

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

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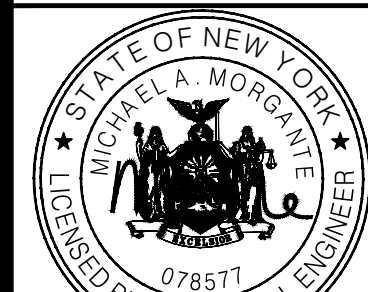


RIP-RAP OUTLET PROTECTION DETAIL

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ARDEN CONSULTING ENGINEERS, PLLC

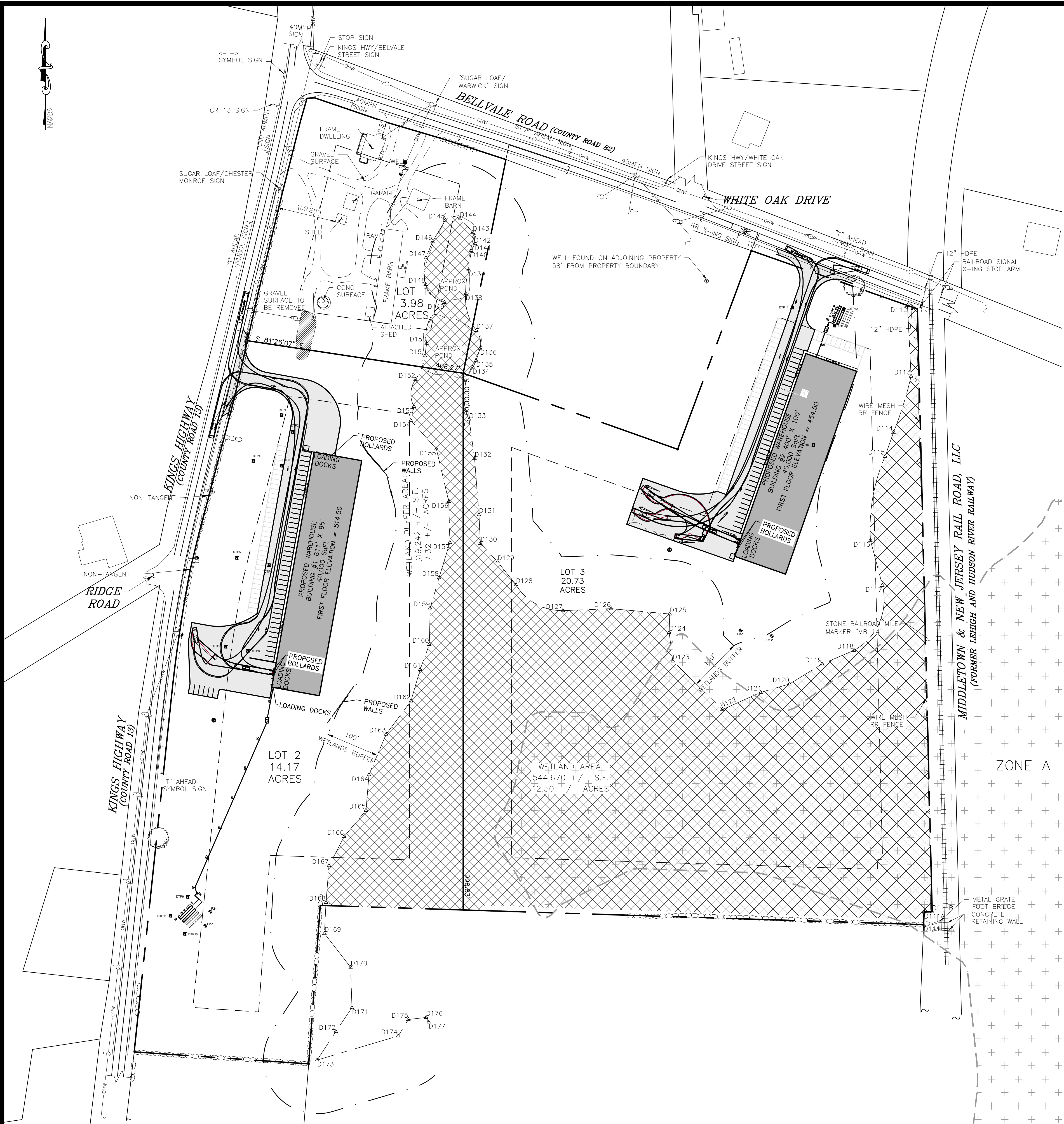
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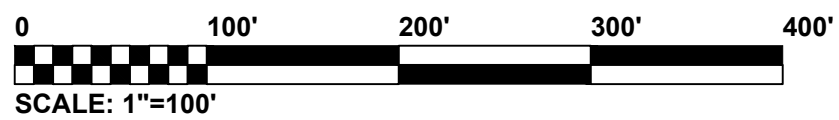
SUBDIVISION & SITE PLAN FOR
1251 KINGS HIGHWAY LLC
1251 KINGS HWY
CHESTER, NY 10918

STORMWATER CONSTRUCTION DETAILS

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



TURNING DIAGRAMS
SCALE: 1"=100'

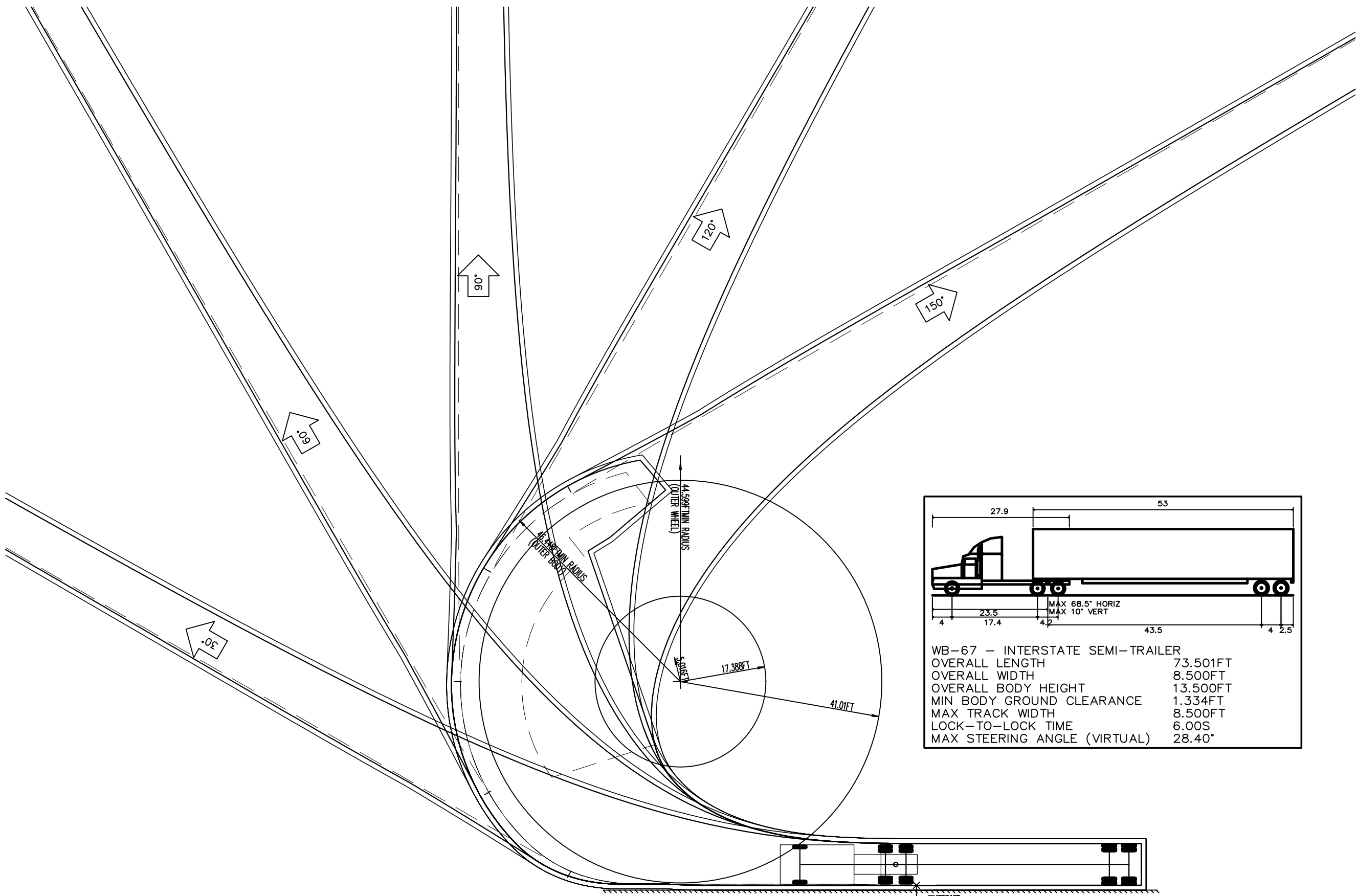


LEGEND:

	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

STANDARD COUNTY NOTE:

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Call 811
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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

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

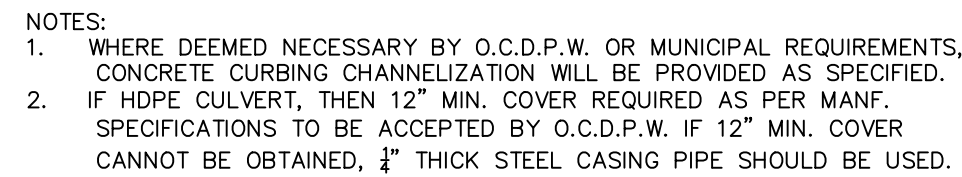
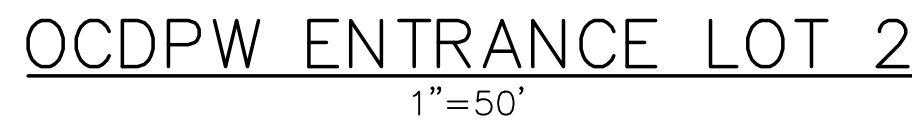
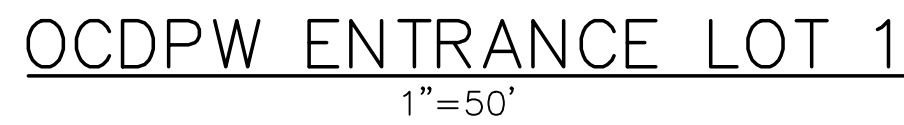
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18 of 20

TURNING DIAGRAMS

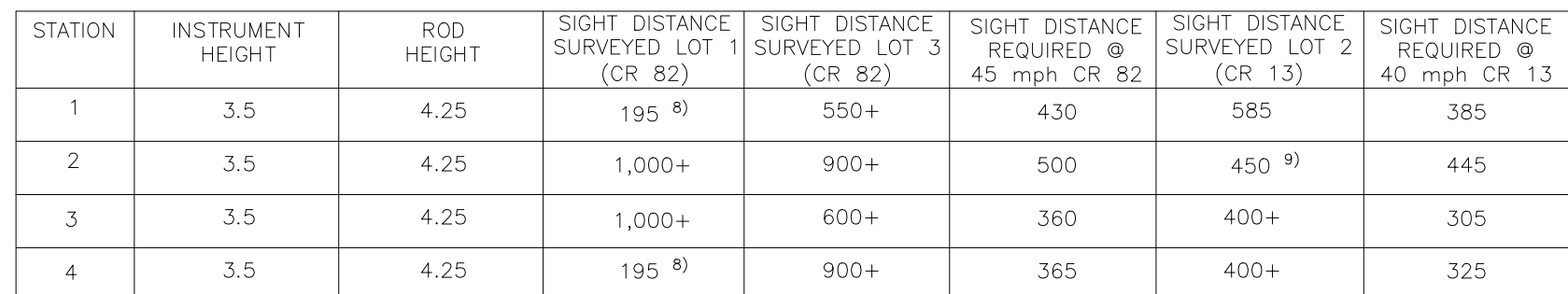
MICHAEL A. MORGANTE, P.E.
LIC. NO. 78577

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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.











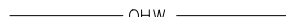








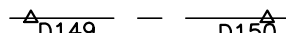


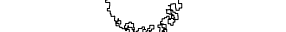

DRIVEWAY OR ROAD CONNECTION
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




















NOTES:

- 1. SIGHT DISTANCES WERE FIELD SURVEYED BY STEPHEN DOLSON, PLS.
- 2. SIGHT DISTANCE REQUIRED VALUES ARE TAKEN FROM AASHTO—"POLICY ON GEOMETRIC DESIGN", 2018 Ed.
- 3. FOR 2-LANE PASSENGER CARS.
- 4. ALL DISTANCES ARE MEASURED IN FEET.
- 5. INSTRUMENT HEIGHT IS THE EQUIVALENT OF THE DRIVER'S EYE LEVEL.
- 6. ROAD HEIGHT IS THE EQUIVALENT OF SIGHTING HEIGHT TO THE VEHICLE.
- 7. D(LEFT) MEANS DISTANCE TO LEFT FOR CARS TO TURN RIGHT.
- 8. D(RIGHT) MEANS DISTANCE TO RIGHT FOR CARS TO TURN LEFT.
- 9. RIGHT DISTANCE MEASURED TO THE INTERSECTION KINGS HIGHWAY.
- 10. CLEAR BRUSH NOTED FOR ENTRANCE TO LOT 2 TO ACHIEVE SIGHT DISTANCE.

AASHTO SIGHT DISTANCE CRITERIA

	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
	TREE
	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
	PROPOSED BUILDING
	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
	EXISTING FLOOD ZONE

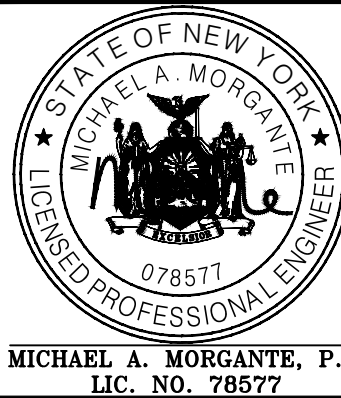
REVISION	BY	DATE	DESCRIPTION
3.	MM	4/24/20	REVISIONS PER 4/10/20 OCDPW COMMENT LETTER
2.	MM	8/26/19	REVISIONS PER 3/25/19 FUSCO COMMENT LETTER & 3/29/19 KALA COMMENT LETTER
1.	MM	8/9/19	REVISIONS PER NYSDEC WETLAND DELINEATION
THIS SHEET IS NOT VALID WITHOUT ALL OF THE SHEETS THAT COMPRISE THE SET			

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

OCDPW ENTRANCE DETAILS

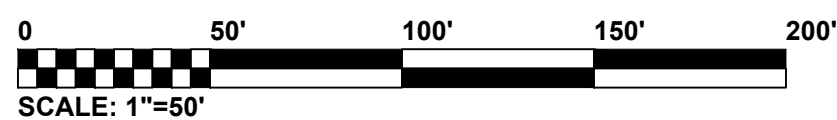
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SHEET NO.	19 of 20



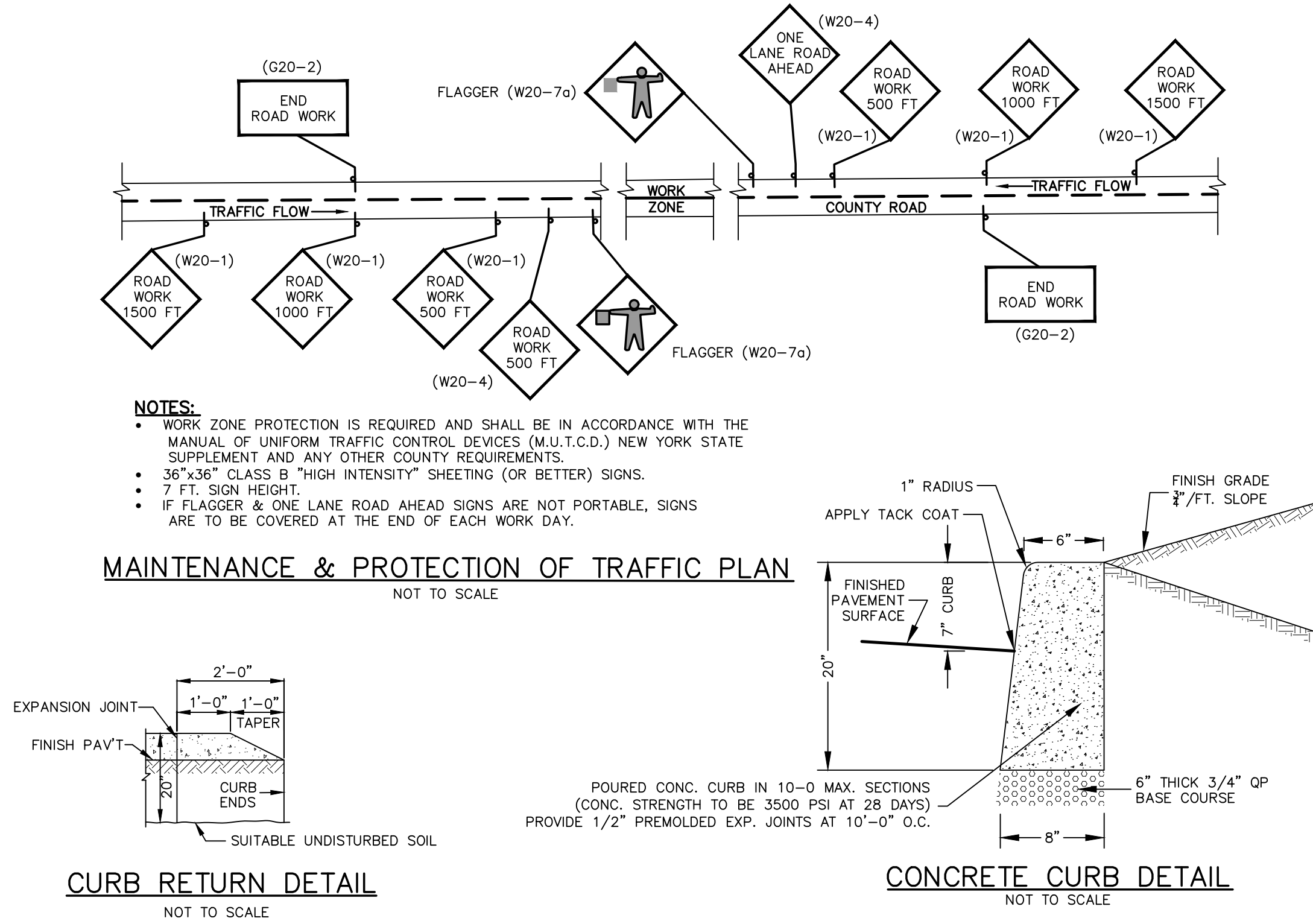
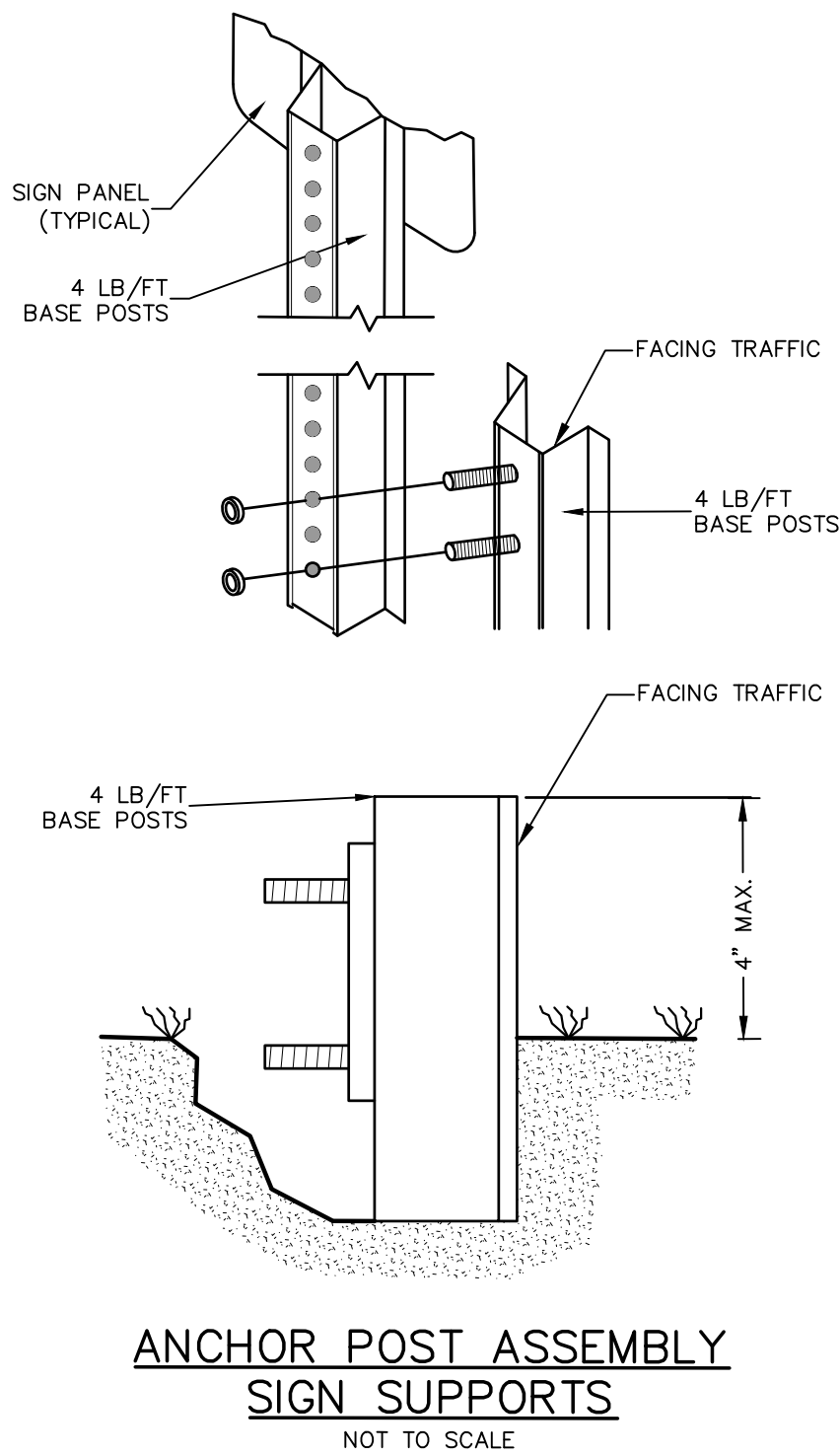
MICHAEL A. MORGANTE, P.E.
LIC. NO. 78577

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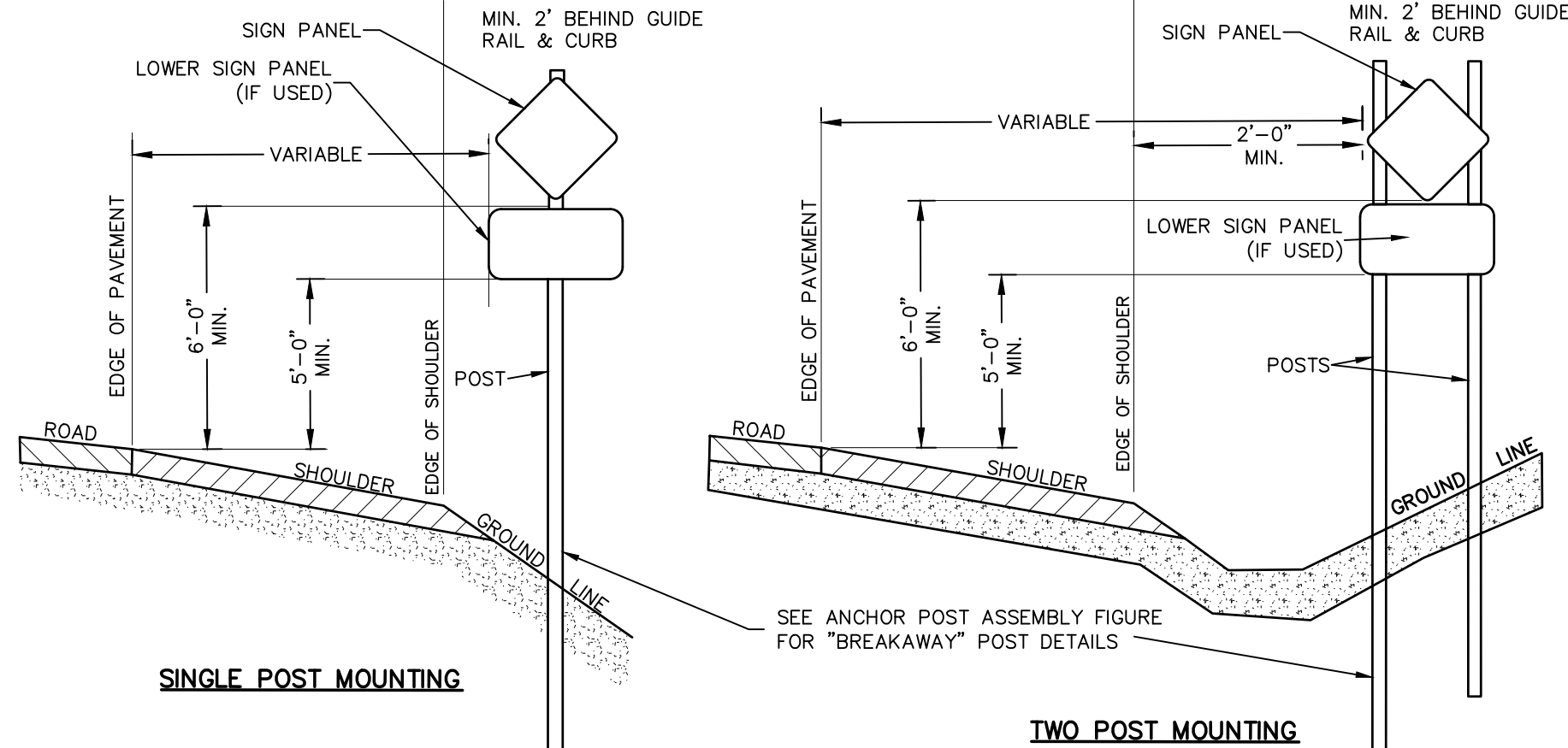
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ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD NOTES (FOR HIGHWAY WORK, SITE PLANS AND SUBDIVISIONS)

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.
2. NO UTILITY WORK (WATER, SEWER, STORM DRAINAGE) IS ALLOWED TO BE PERFORMED WITHIN THE COUNTY RIGHT-OF-WAY BETWEEN NOVEMBER 15 AND MARCH 15.
3. 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.
4. 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.
5. NO TRACK EQUIPMENT IS ALLOWED ON THE COUNTY ROAD WITHOUT PLACING MATS, PLYWOOD, TIRES, ETC., TO PROTECT THE ASPHALT ROAD.
6. 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.
7. 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.
8. 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.
9. ALL BACKFILL IS REQUIRED TO BE PLACED AND COMPACTED IN 12 INCH LIFTS, MAXIMUM.
10. A MECHANICAL SWEEPER MUST BE AVAILABLE AT ALL TIMES TO SWEEP AND MAINTAIN SAFE ROAD CONDITIONS ON THE COUNTY ROAD. THE ROADWAY SHALL BE SWEEPED DAILY OR AS OTHERWISE REQUIRED BY THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS.
11. FOR EXCAVATION WORK, THE FOLLOWING EQUIPMENT IS REQUIRED TO BE ON-SITE AND FULLY OPERATIONAL:
 - a. VIBRATORY TRENCH ROLLER PRIMARY COMPACTION EQUIPMENT.
 - b. JUMPING JACK COMPACTOR SECONDARY COMPACTION EQUIPMENT FOR USE IN TIGHT AREAS WHERE THE VIBRATORY TRENCH ROLLER CANNOT BE USED.
 - c. MECHANICAL SWEEPER.
 - d. SIDE DUMP LOADER OR SKID STEER (I.E. BOBCAT)
 - e. ASPHALT ROLLER
12. IF ANY OF THE ABOVE EQUIPMENT IS NOT OPERATIONAL, NO EXCAVATION SHALL BE PERFORMED UNTIL ALL EQUIPMENT IS FUNCTIONING PROPERLY.
13. 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.

14. 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.
15. ALL EDGES OF EXISTING ASPHALT ARE REQUIRED TO BE SWEEP AND TACK COATED PRIOR TO PAVING.
16. ALL ASPHALT JOINTS ARE REQUIRED TO BE CRACK SEALED UPON COMPLETING FINAL PAVING.
17. 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).
18. 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.
19. ALL REQUIRED RIGHT-OF-WAY MONUMENTATION SHALL BE INSTALLED BY A PROFESSIONAL LAND SURVEYOR LICENSED TO PRACTICE IN THE STATE OF NEW YORK.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. FLAGGERS SHALL NOT CONTROL MORE THAN ONE APPROACH TO OR THROUGH A WORK ZONE AT ANY TIME.
26. EIGHTEEN (18) INCH STOP/SLOW PADDLES ARE REQUIRED TO DIRECT TRAFFIC.
27. TWO-WAY RADIOS ARE REQUIRED FOR FLAGGERS TO COMMUNICATE WITH EACH OTHER.



WORK ZONE SIGNING

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

MAINTENANCE & PROTECTION OF TRAFFIC

1. ALL CONSTRUCTION SIGNAGE IS REQUIRED TO BE IN PLACE PRIOR TO COMMENCING ANY WORK WITHIN THE COUNTY RIGHT OF WAY.
2. THE MORE STRINGENT SIGN REQUIREMENTS OF ORANGE COUNTY SUPERSEDE ANY MUNICIPAL REQUIREMENTS.
3. 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.
4. 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. IN CASE FLAGGERS ARE USED TO DIRECT TRAFFIC, FLAGGERS ARE USED TO DIRECT TRAFFIC ON A DAILY BASIS. THE CONTRACTOR MUST HAVE ALL THE NECESSARY CONSTRUCTION SIGNS TO PERFORMANCE THE WORK SAFELY.
5. 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.
6. ALL CONSTRUCTION SIGNAGE IS REQUIRED TO BE 730-05.02 - 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.
7. 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).
8. ALL CONSTRUCTION CLOSURES 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.
9. ALL CONSTRUCTION PERSONNEL ARE REQUIRED TO WEAR HARD HATS AND SAFETY VESTS. EIGHTEEN (18) INCH STOP AND SLOW PADDLES ARE REQUIRED TO DIRECT TRAFFIC.
10. TWO WAY RADIOS ARE REQUIRED FOR FLAGGERS TO COMMUNICATE WITH EACH OTHER.
11. 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, WHERE 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:

1. NO SITE PREPARATION ION 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

1. 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
2. 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

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

UTILITIES

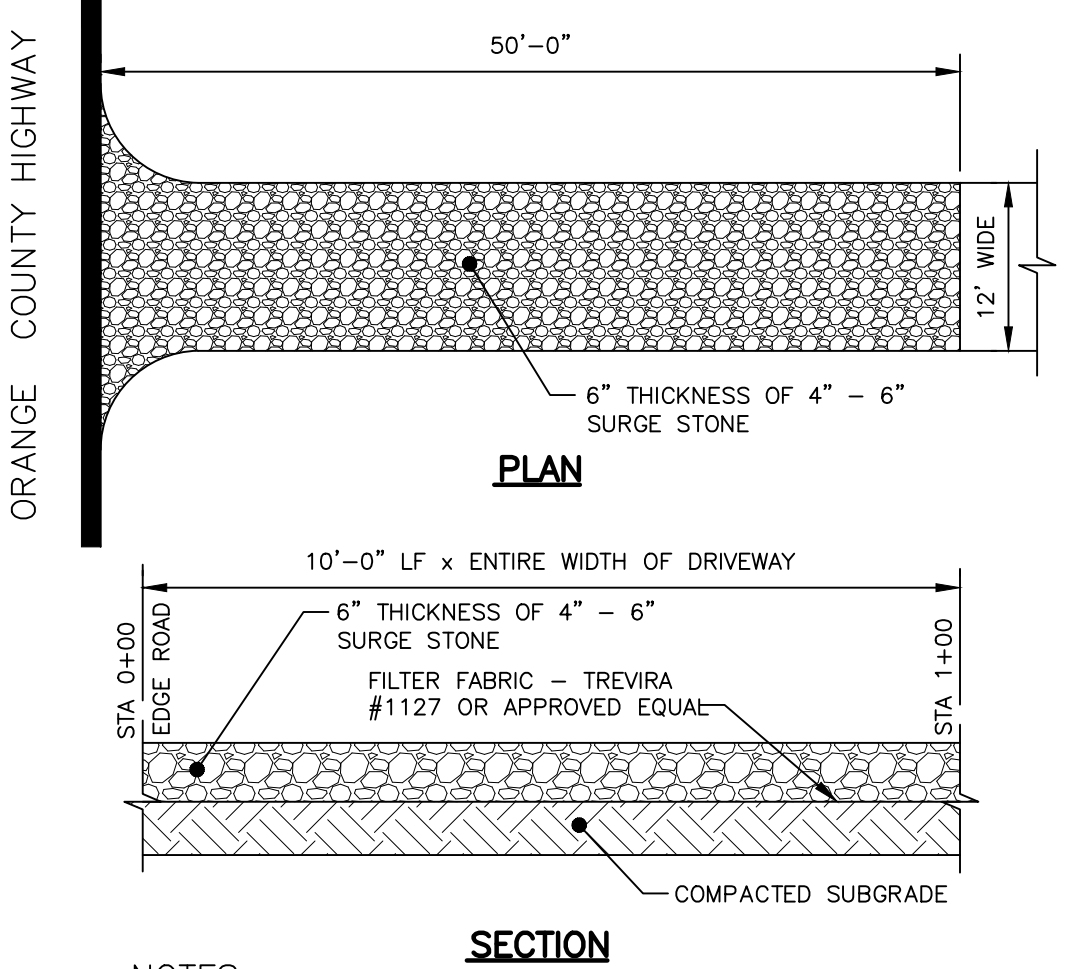
1. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A VERTICAL SEPARATION OF BETWEEN EXISTING UTILITIES AND ANY PROPOSED UTILITIES.

ASPHALT RESTORATION

1. ALL PAVEMENT IS REQUIRED TO BE RESTORED ON A DAILY BASIS.
2. RAGGED TRENCH EDGES MUST SAW CUT PRIOR TO ANY PAVING (TEMPORARY OR PERMANENT).
3. 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.
4. ALL TEMPORARY ASPHALT IS REQUIRED TO BE FIVE (5) INCHES THICK AND PLACED IN TWO (2) LIFTS OF 2 INCHES.
5. ALL EDGES OF EXISTING ASPHALT ARE REQUIRED TO BE SWEEP AND TACK COATED PRIOR TO PAVING.
6. ALL ASPHALT IS REQUIRED TO BE SAW CUT PARALLEL OR PERPENDICULAR TO THE TRENCH OR TO THE EXISTING ASPHALT. NO RAGGED EDGES ARE ACCEPTABLE.
7. 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.
8. ALL ASPHALT JOINTS ARE REQUIRED TO BE CRACK SEALED UPON COMPLETING FINAL PAVING.

GENERAL NOTES

1. 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.
2. NO UTILITY WORK (WATER, SEWER STORM DRAINAGE) IS ALLOWED TO BE PERFORMED BETWEEN NOVEMBER 15 AND MARCH 15 WITHIN THE COUNTY RIGHT OF WAY.
3. NO TRACK EQUIPMENT IS ALLOWED ON THE COUNTY ROAD WITHOUT PLACING MATS, PLYWOOD, TIRES, ETC. TO PROTECT THE ASPHALT ROAD.
4. NO OPEN TRENCHES ARE ALLOWED TO REMAIN OPEN OVERNIGHT. ALL OPEN TRENCHES ARE REQUIRED TO BE BACKFILLED ON A DAILY BASIS.
5. 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.

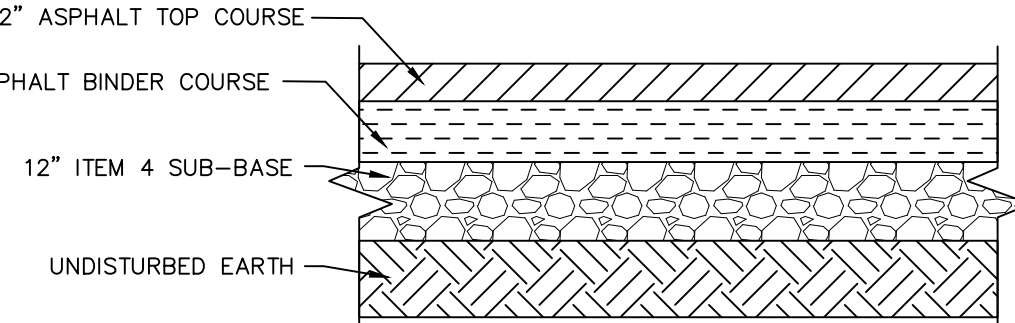


NOTES:

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\"/>
4. ALL DRIVEWAYS MUST BE STABILIZED WITH 1\"/>
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



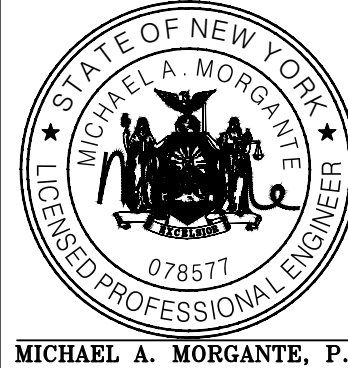
COUNTY DEPARTMENT OF PUBLIC WORKS PAVEMENT SECTION

(FIRST 50')

NOT TO SCALE

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

OCDPW TRAFFIC PROTECTION &
SPECIFICATIONS

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20 of 20