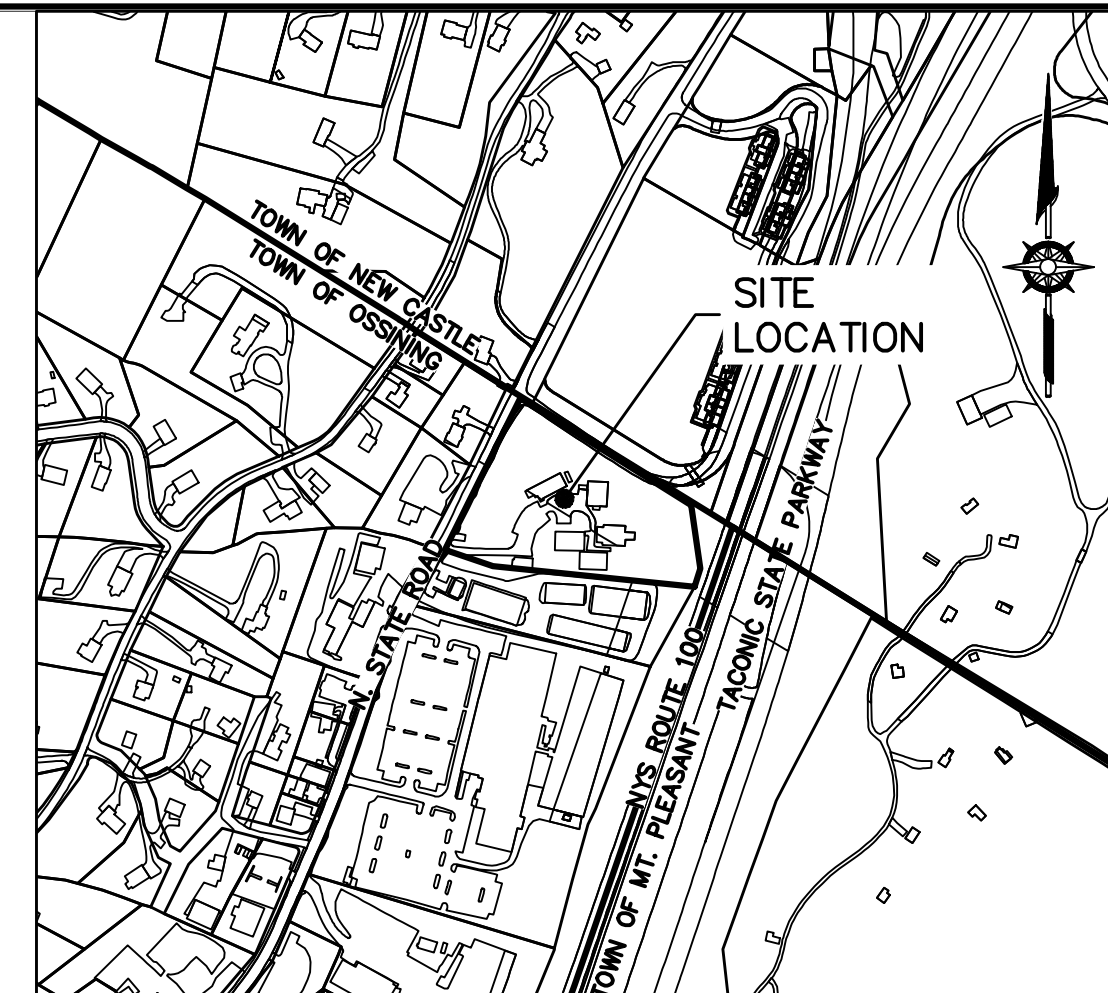
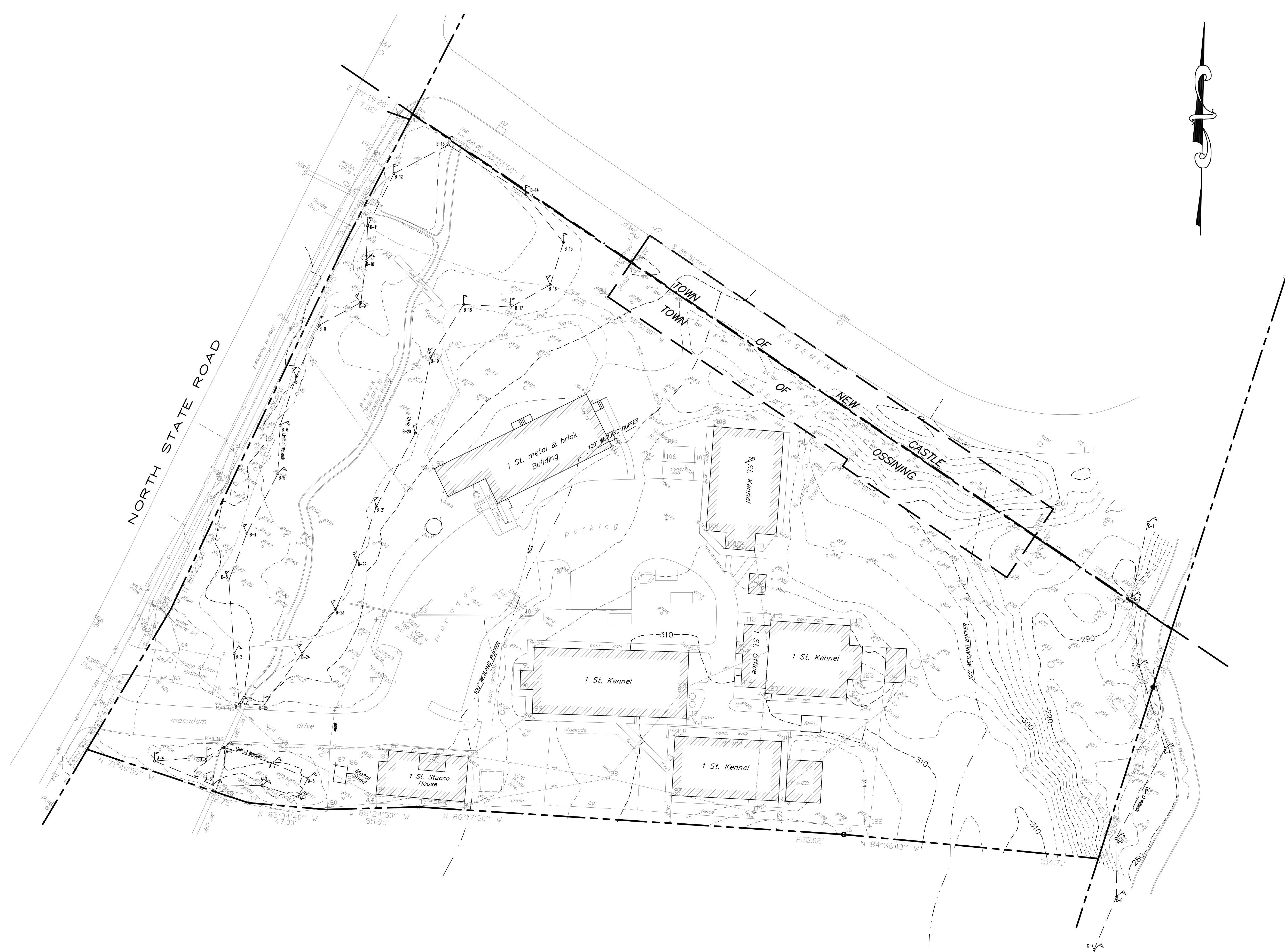
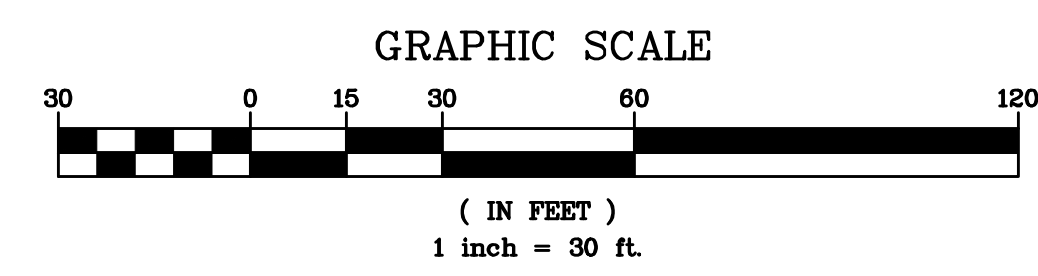




SITE LOCATION MAP
SCALE: 1"=500'

EXISTING INFORMATION SHOWN HEREON
HAS BEEN PROVIDED BY SUMMIT LAND
SURVEYORS, DATED JANUARY 31, 2016



ANY ALTERATIONS OR REVISIONS OF THESE PLANS, UNLESS DONE BY OR UNDER THE DIRECTION OF THE NYS LICENSED AND REGISTERED ENGINEER THAT PREPARED THEM, IS A VIOLATION OF THE NYS EDUCATION LAW.

PLANNING BOARD SUBMISSION REVISIONS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	PROJECT: SPCA OF WESTCHESTER 590 NORTH STATE ROAD TOWN OF OSSINING WESTCHESTER COUNTY – NEW YORK		STATE OF NEW YORK ANGELICA STERN 160.80631 REGISTERED PROFESSIONAL ENGINEER
	EXISTING CONDITIONS MAP		
	HEC HUDSON ENGINEERING CONSULTING, P.C. 45 Knollwood Road - Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086		
	THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE		

Date: 2/27/18 Sheet: 1

Scale: 1" = 30'

Designed By: D.C.

Checked By: M.S.

Sheet No. 9

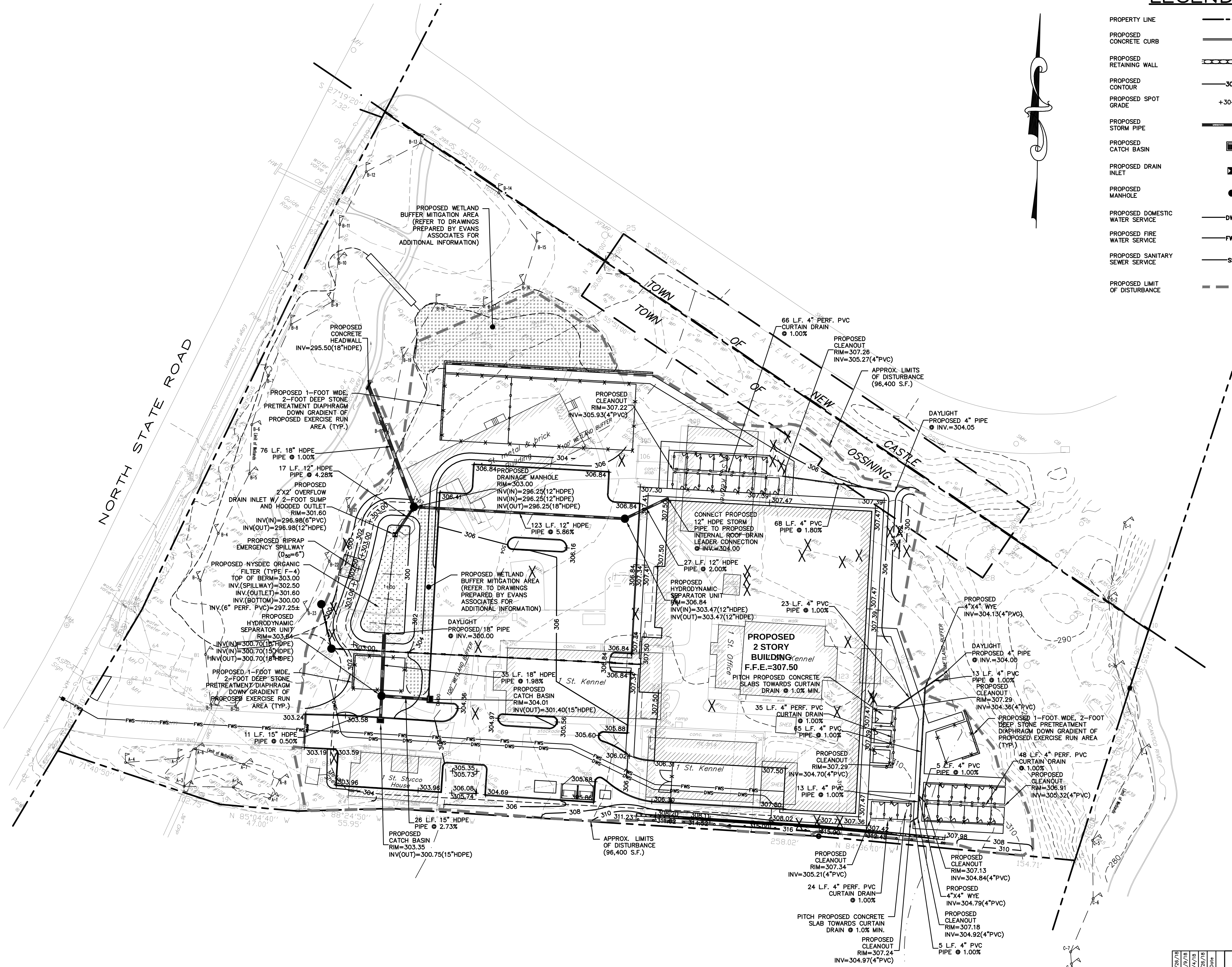
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LEGEND

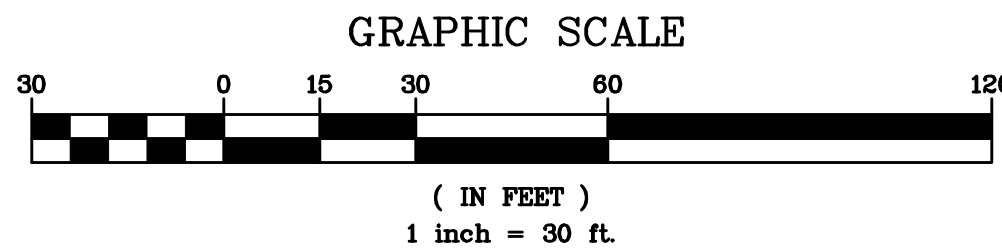
- | | |
|---------------------------------|---|
| PROPERTY LINE |  |
| PROPOSED CONCRETE CURB |  |
| PROPOSED RETAINING WALL |  |
| PROPOSED CONTOUR |  |
| PROPOSED SPOT GRADE |  |
| PROPOSED STORM PIPE |  |
| PROPOSED CATCH BASIN |  |
| PROPOSED DRAIN INLET |  |
| PROPOSED MANHOLE |  |
| PROPOSED DOMESTIC WATER SERVICE |  |
| PROPOSED FIRE WATER SERVICE |  |
| PROPOSED SANITARY SEWER SERVICE |  |
| PROPOSED LIMIT OF DISTURBANCE |  |

GENERAL NOTES:

1. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUPERVISION OF THE CONSTRUCTION.
2. ALL CHANGES SHALL BE MADE TO THESE PLANS EXCEPT AS PER NYS LAW CHAPTER 987.
3. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO A.C.I., ZONING, AND THE NEW YORK STATE BUILDING CODE. THE ENGINEER SHALL BE RESPONSIBLE FOR THE REVIEW OF ALL CHANGES AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES.
4. ALL CHANGES MADE TO THE PLANS SHALL BE APPROVED BY THE ENGINEER AND ALL SUCH CHANGES SHALL BE FILED AS AMENDMENTS TO THE ORIGINAL BUILDING PERMIT.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION AND MAINTENANCE OF THE PROJECT, INCLUDING THE SEQUENCE AND SCHEDULING FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEES, SUBCONTRACTORS, AND OTHER PERSONS EMPLOYED BY HIM, EMPLOYEES, AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
7. SAFETY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE CONTRACTOR SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL AGENCIES IN EFFECT DURING THE PERIOD OF CONSTRUCTION.
8. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL MAKE APPLICATION TO RECEIVE ALL NECESSARY PERMITS FOR THE WORK UNDER THE CONTRACT.
9. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL BE LICENSED TO DO ALL WORK AS REQUIRED BY THE LOCAL, COUNTY, AND STATE AGENCIES WHICH MAY HAVE JURISDICTION OVER THE PROJECT. THE CONTRACTOR SHALL PRESENT THE OWNER WITH COPIES OF ALL LICENSES AND INSURANCE CERTIFICATES.
10. FINAL GRADING AROUND THE BUILDING AREA SHALL SLOPE AWAY FROM THE STRUCTURE.
11. ALL CRITICAL DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
12. ADJOINING BUILDING, REMAINE PROPERTY SHALL BE PROTECTED FROM DAMAGE BY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION MUST BE PROVIDED FOR FOOTINGS, FOUNDATIONS, PARTY WALLS, CHIMNEYS, SKYLIGHTS AND ROOFS. PROVISIONS SHALL BE MADE TO CONTROL WATER RUNOFF AND EROSION DURING CONSTRUCTION OR DEMOLITION ACTIVITIES. THE PERSON MAKING OR CAUSING TO BE MADE ANY EXCAVATION SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNERS OF ADJOINING BUILDINGS ADVISING THEM THAT THE EXCAVATION IS TO BE MADE AND THAT THE ADJOINING BUILDING SHOULD BE PROTECTED. SAID NOTIFICATION SHALL BE DELIVERED TO THE ADJOINING BUILDING NOT MORE THAN 10 DAYS PRIOR TO THE SCHEDULED STARTING DATE OF THE EXCAVATION.
13. OWNER SHALL INSURE THAT THE INSURANCE PROVIDED BY THE CONTRACTOR HIRED TO PERFORM THE WORK SHALL BE ENDORSED TO NAME HUDSON ENGINEERING & CONSULTING, INC. P.O. BOX 1000, NEW YORK, N.Y. 10008, THE CONTRACTOR, AND AFFILIATES, AS ADDITIONAL INSURED ON ALL POLICIES AND HOLD HARMLESS. DOCUMENTS, AND SHALL STIPULATE THAT THIS INSURANCE IS PRIMARY, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE POLICIES, AND CONSULTING, P.C., SHALL BE EXCESS ONLY AND SHALL NOT BE CALLED UPON TO CONTRIBUTE WITH THIS INSURANCE. (ISO ADDITIONAL INSURED ENDORSEMENT FORM NUMBER CG2010 1185 UNDER ALL COVERS OF THE INSURANCE POLICIES SHALL BE ENDORSED TO NAME HUDSON ENGINEERING & CONSULTING, P.C., FOR APPROVAL PRIOR TO THE SIGNING OF THE CONTRACT.
14. INDUSTRIAL CODE RULE 753. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO ANY EXCAVATION AND SHALL BE RESPONSIBLE TO COMPLY WITH ALL THE LATEST INDUSTRIAL CODE RULE 753 REGULATIONS.



EXISTING INFORMATION SHOWN HEREON
HAS BEEN PROVIDED BY SUMMIT LAND
SURVEYORS, DATED JANUARY 31, 2016



No.	Description	Date
4.	REVISED PER TOWN COMMENTS	11/26/18
3.	PLANNING BOARD SUBMISSION	10/9/18
2.	REVISED PER CLIENT MEETING	4/4/18
1.	REVISED PER CLIENT MEETING	3/26/18

PROJECT:	SPCA OF WESTCHESTER 590 NORTH STATE ROAD TOWN OF OSSINING WESTCHESTER COUNTY – NEW YORK
	STORMWATER MANAGEMENT & GRADING PLAN



Date:	2/27/18	Sheet:	
Scale:	1" = 30'	3	
Designed By:	D.C.		
Checked By:	M.S.		
Sheet No.			

C-3

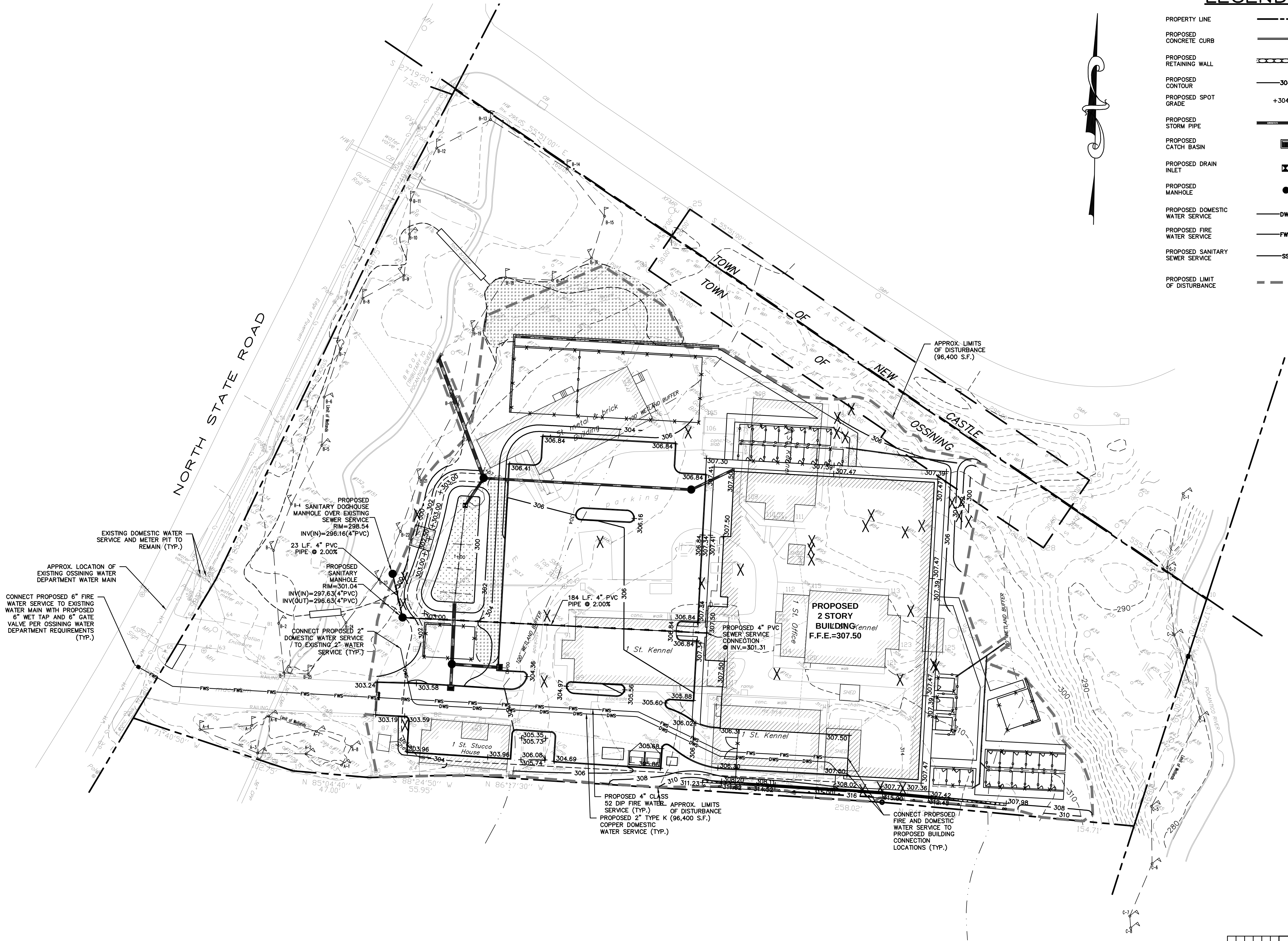
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LEGEND

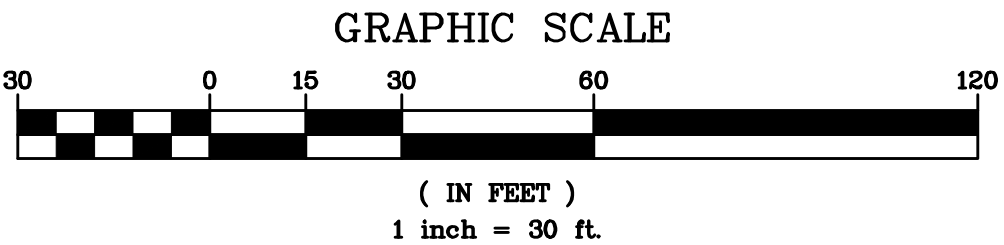
PROPERTY LINE	----
PROPOSED CONCRETE CURB	=====
PROPOSED RETAINING WALL	=====
PROPOSED CONTOUR	-----304-----
PROPOSED SPOT GRADE	+304.25
PROPOSED STORM PIPE	=====
PROPOSED CATCH BASIN	■
PROPOSED DRAIN INLET	⊠
PROPOSED MANHOLE	●
PROPOSED DOMESTIC WATER SERVICE	-----DWS-----
PROPOSED FIRE WATER SERVICE	-----FWS-----
PROPOSED SANITARY SEWER SERVICE	-----SS-----
PROPOSED LIMIT OF DISTURBANCE	-----

GENERAL NOTES:

1. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUPERVISION OF THE CONSTRUCTION.
2. NO CHANGES SHALL BE MADE TO THESE PLANS EXCEPT AS PER NYS LAW CHAPTER 987.
3. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO A.C.I., A.S.C., ZONING, AND THE NEW YORK STATE BUILDING CODE.
4. ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES.
5. ALL CHANGES MADE TO THE PLANS SHALL BE APPROVED BY THE ENGINEER AND ANY SUCH CHANGES SHALL BE FILED AS AMENDMENTS TO THE ORIGINAL BUILDING PERMIT.
6. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
8. SAFETY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL AGENCIES IN EFFECT DURING THE PERIOD OF CONSTRUCTION.
9. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL MAKE APPLICATION TO RECEIVE ALL NECESSARY PERMITS TO PERFORM THE WORK UNDER CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL BE LICENSED TO DO ALL WORK AS REQUIRED BY THE LOCAL, COUNTY, AND STATE AGENCIES WHICH MAY HAVE JURISDICTION OVER THOSE TRADES, AND SHALL PRESENT THE OWNER WITH COPIES OF ALL LICENSES AND INSURANCE CERTIFICATES.
10. FINAL GRADING AROUND THE BUILDING AREA SHALL SLOPE AWAY FROM THE STRUCTURE.
11. ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
12. ADJOINING PUBLIC AND PRIVATE PROPERTY SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION, REMODELING AND DEMOLITION WORK. PROTECTION MUST BE PROVIDED FOR FOOTINGS, FOUNDATIONS, PARTY WALLS, CHIMNEYS, SKYLIGHTS AND ROOFS. PROVISIONS SHALL BE MADE TO CONTROL WATER RUNOFF AND EROSION DURING CONSTRUCTION OR DEMOLITION ACTIVITIES. THE PERSON MAKING OR CAUSING AN EXCAVATION TO BE MADE SHALL PROVIDE WRITTEN NOTICE TO THE OWNERS OF ADJOINING BUILDINGS ADVISING THEM THAT THE EXCAVATION IS TO BE MADE AND THAT THE ADJOINING BUILDING SHOULD BE PROTECTED. SAID NOTIFICATION SHALL BE DELIVERED NOT LESS THAN 10 DAYS PRIOR TO THE SCHEDULED STARTING DATE OF THE EXCAVATION.
13. OWNER SHALL INSURE THAT THE INSURANCE PROVIDED BY THE CONTRACTOR HIRED TO PERFORM THE WORK SHALL BE ENDORSED TO NAME HUDSON ENGINEERING & CONSULTING, P.C., AND ANY DIRECTORS, OFFICERS, EMPLOYEES, SUBSIDIARIES, AND AFFILIATES, AS ADDITIONAL INSURED ON ALL POLICIES AND HOLD HARMLESS DOCUMENTS, AND SHALL STIPULATE THAT THIS INSURANCE IS PRIMARY, AND THAT ANY OTHER INSURANCE OR SELF-INSURANCE MAINTAINED BY HUDSON ENGINEERING & CONSULTING, P.C., SHALL BE EXCESS ONLY AND SHALL NOT BE CALLED UPON TO CONTRIBUTE WITH THIS INSURANCE. ISO ADDITIONAL INSURED ENDORSEMENT FORM NUMBER CG2017 1185 UNDER GL. COPIES OF THE INSURANCE POLICIES SHALL BE SUBMITTED TO AND HUDSON ENGINEERING & CONSULTING, P.C., FOR APPROVAL PRIOR TO THE SIGNING OF THE CONTRACT.
14. INDUSTRIAL CODE RULE 753: THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS PRIOR TO THE START OF HIS OPERATIONS AND SHALL COMPLY WITH ALL THE LATEST INDUSTRIAL CODE RULE 753 REGULATIONS.



EXISTING INFORMATION SHOWN HEREON HAS BEEN PROVIDED BY SUMMIT LAND SURVEYORS, DATED JANUARY 31, 2016



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No.	Description	Revisions	Date	PROJECT:
				SPCA OF WESTCHESTER 590 NORTH STATE ROAD TOWN OF OSSINING WESTCHESTER COUNTY – NEW YORK
				UTILITY PLAN
				HEC HUDSON ENGINEERING CONSULTING, P.C. 45 Knollwood Road - Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2018
THIS PLAN IS NOT VALID FOR CONSTRUCTION WITHOUT ENGINEER'S SEAL & SIGNATURE				 Date: 11/26/18 Sheet: 4 Scale: 1" = 30' Designed By: D.C. Checked By: M.S. Sheet No. C-4

LEGEND

INSTALLATION & MAINTENANCE OF EROSION CONTROL:

CONSTRUCTION SCHEDULE
NOTIFY APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 5 DAYS
PRIOR TO START

EROSION CONTROL MEASURES
INSTALL ALL EROSION CONTROL MEASURES PRIOR TO START OF CONSTRUCTION.
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING
JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY
MAINTENANCE (TO BE PERFORMED DURING ALL PHASES OF CONSTRUCTION)

AFTER ANY RAIN CAUSING RUNOFF, CONTRACTOR TO INSPECT HAYBALES, ETC. AND REMOVE ANY EXCESSIVE SEDIMENT AND INSPECT STOCKPILES AND CORRECT ANY PROBLEMS WITH SEED ESTABLISHMENT.

INSPECTIONS SHALL BE DOCUMENTED IN WRITING AND SUBMITTED TO THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION.

INSPECTION BY MUNICIPALITY - FINAL GRADING
REMOVE UNNEEDED SUBGRADE FROM SITE.
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING
JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY – LANDSCAPING

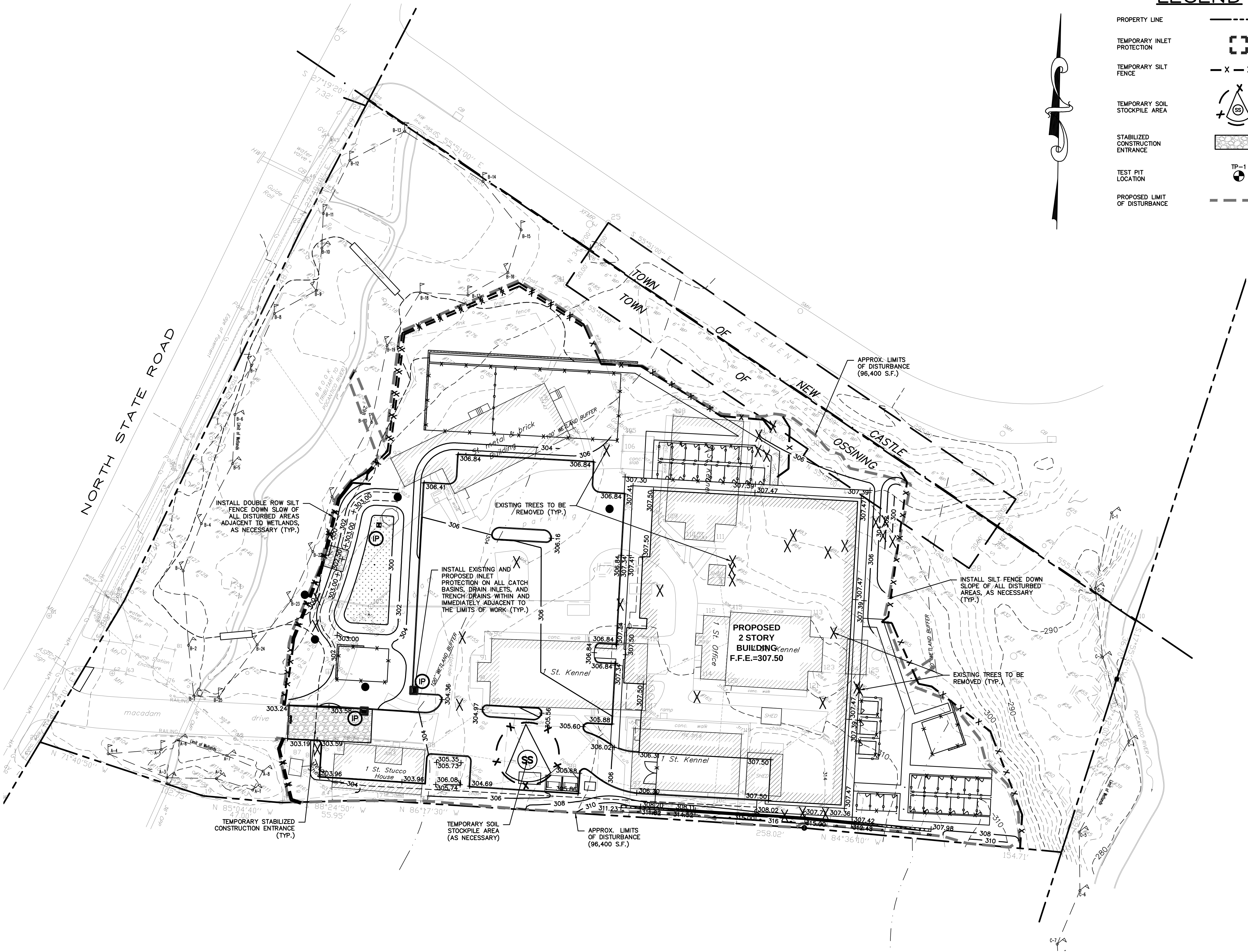
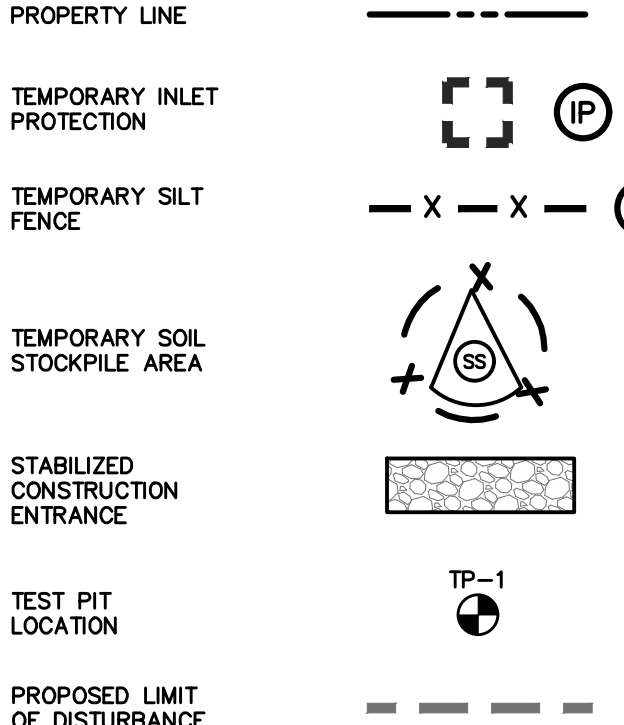
SPREAD TOPSOIL EVENLY OVER AREAS TO BE SEEDDED. HAND RAKE LEVEL. BROADCAST 1.25 LB. BAG OF JONATHAN GREEN "FASTGROW" MIX OR EQUAL OVER AREA TO BE SEEDDED. APPLY STRAW MULCH AND WATER WITHIN 2 DAYS OF COMPLETION OF TOPSOILING. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY – FINAL LANDSCAPING

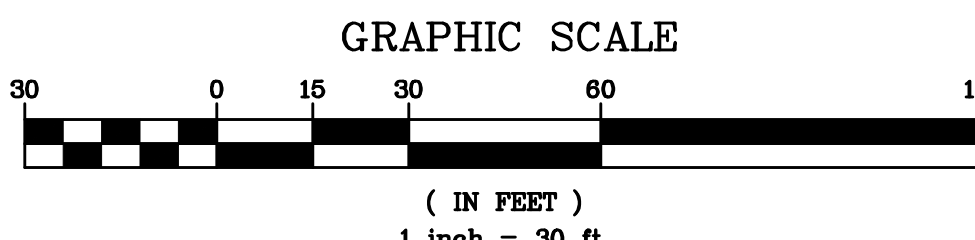
GRASS ESTABLISHED.
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING
JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY – FINAL INSPECTION

ALL EROSION CONTROL MEASURES REMOVED AND GRASS ESTABLISHED.
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING
JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.



EXISTING INFORMATION SHOWN HEREON
HAS BEEN PROVIDED BY SUMMIT LAND
SURVEYORS. DATED JANUARY 31, 201



No.	Description	Date
4.	REVISED PER TOWN COMMENTS	11/26/18
3.	PLANNING BOARD SUBMISSION	10/9/18
2.	REVISED PER CLIENT MEETING	4/4/18
1.	REVISED PER CLIENT MEETING	3/26/18

PROJECT:

SPCA OF WESTCHESTER
590 NORTH STATE ROAD
TOWN OF OSSINING
WESTCHESTER COUNTY – NEW YORK

EROSION & SEDIMENT CONTROL PLAN

HEC

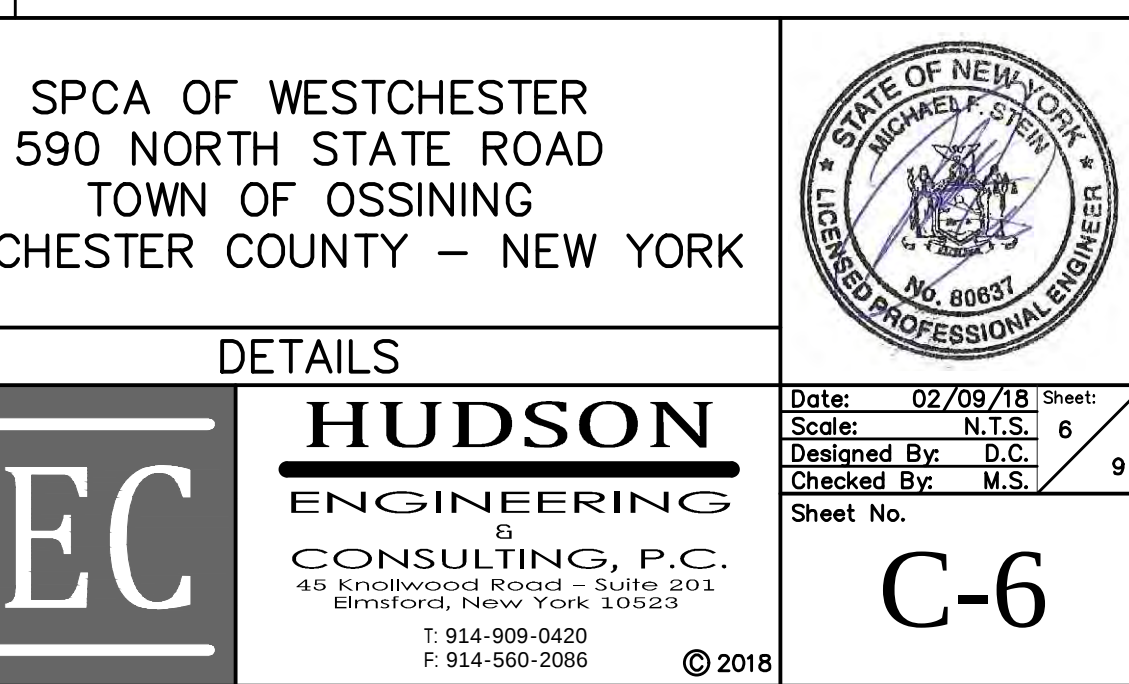
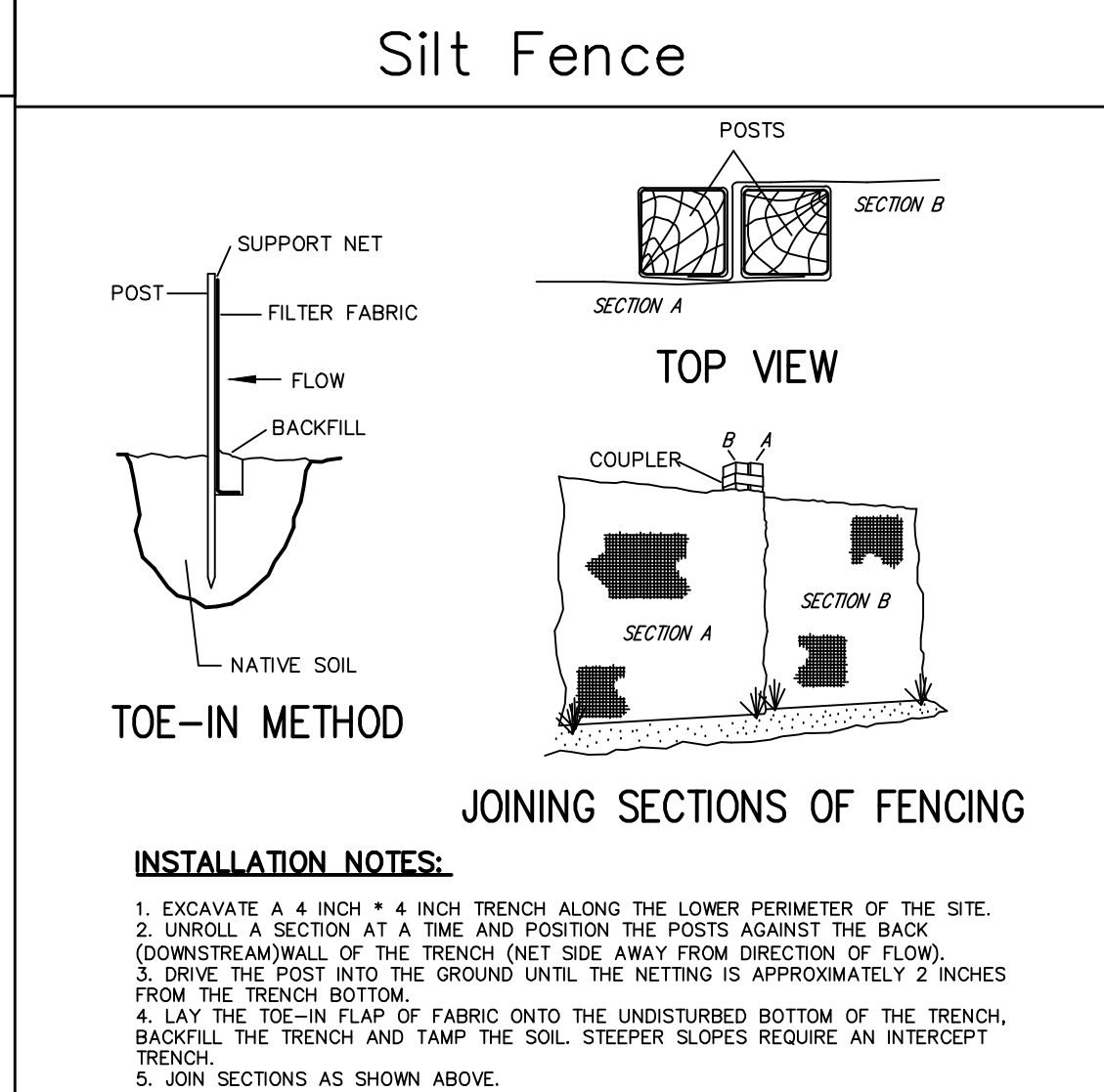
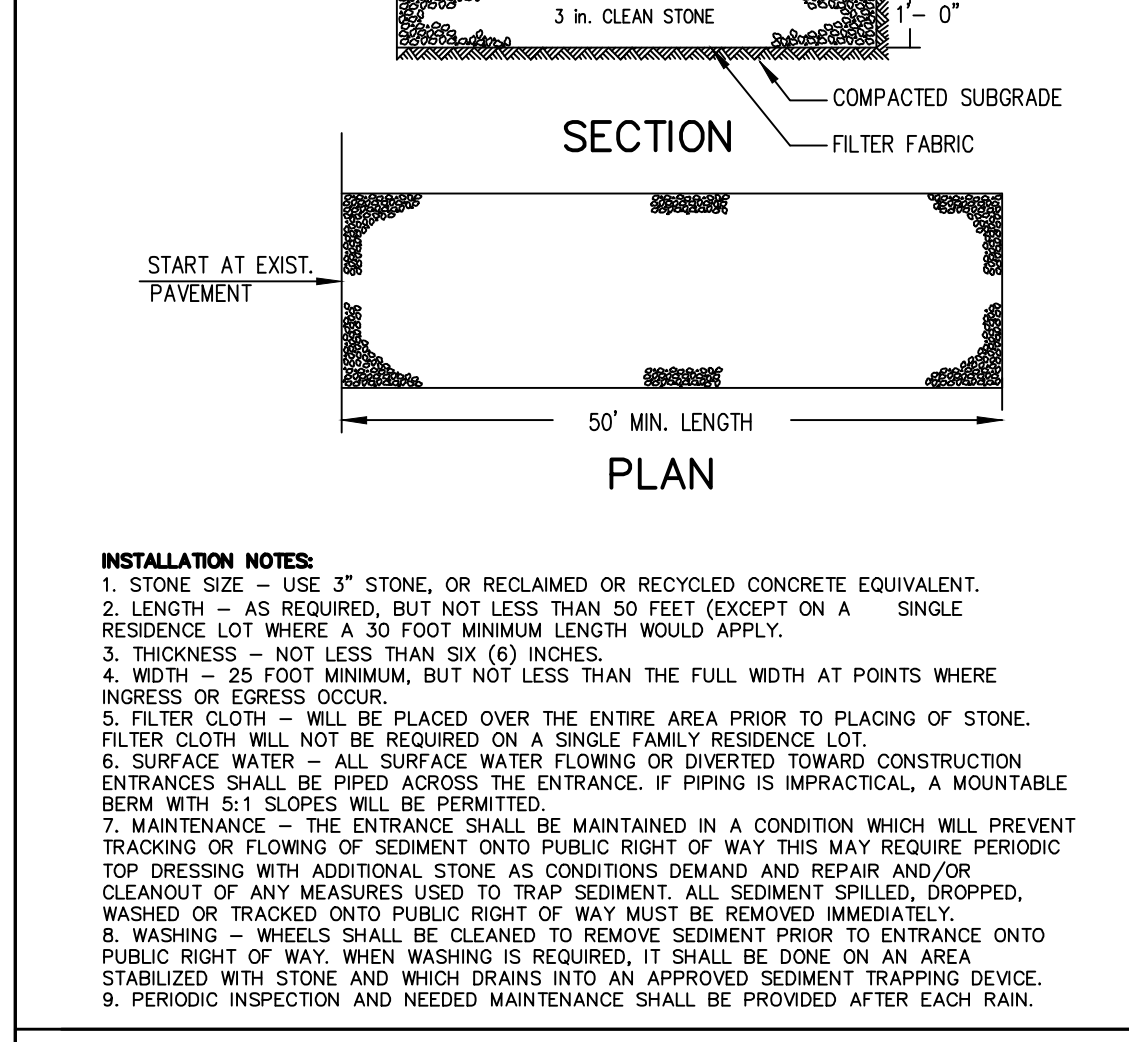
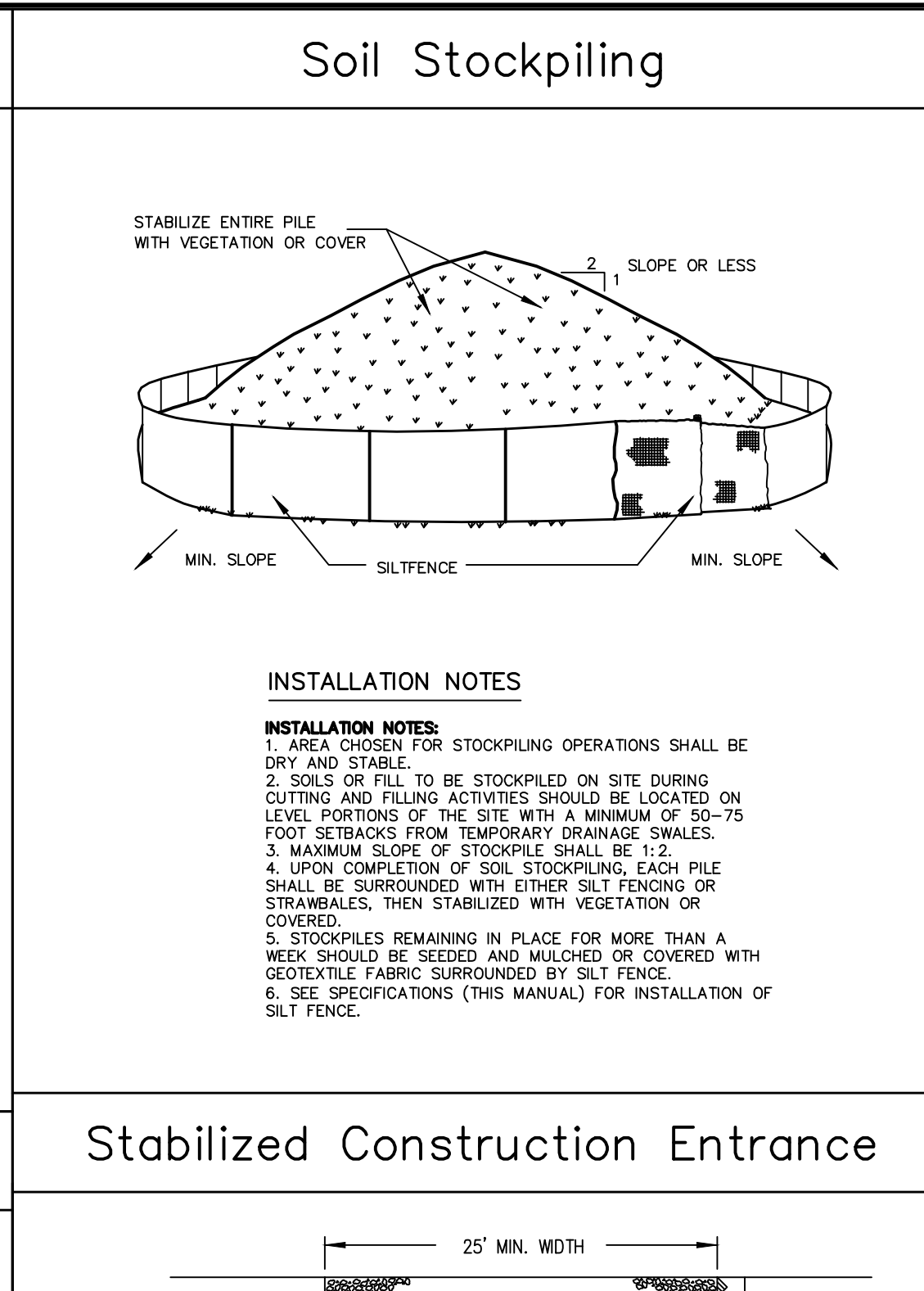
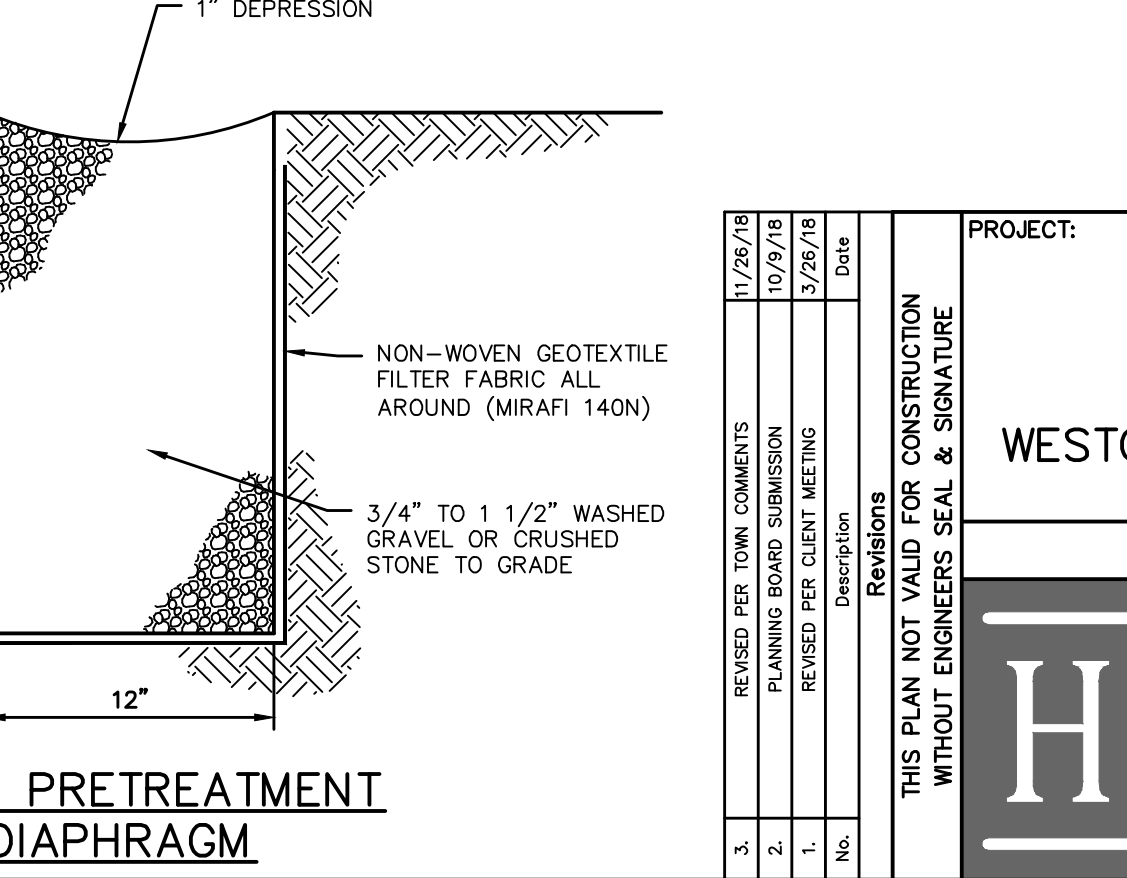
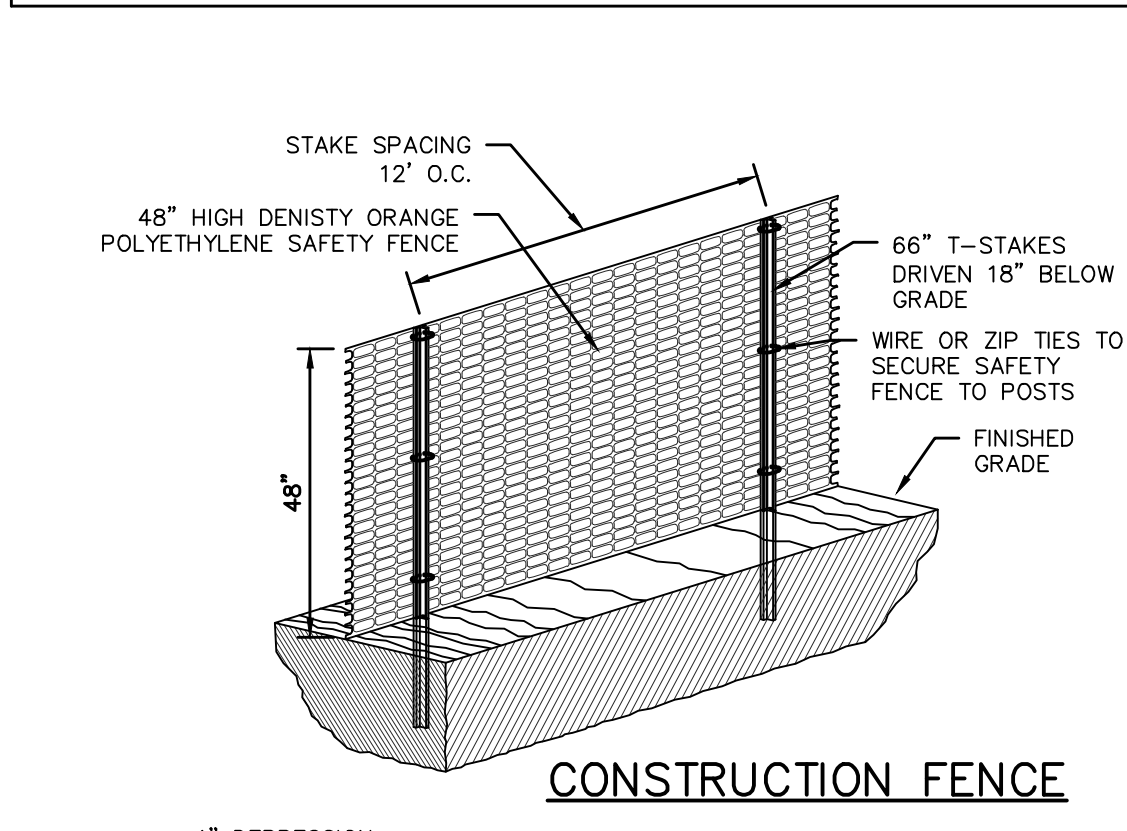
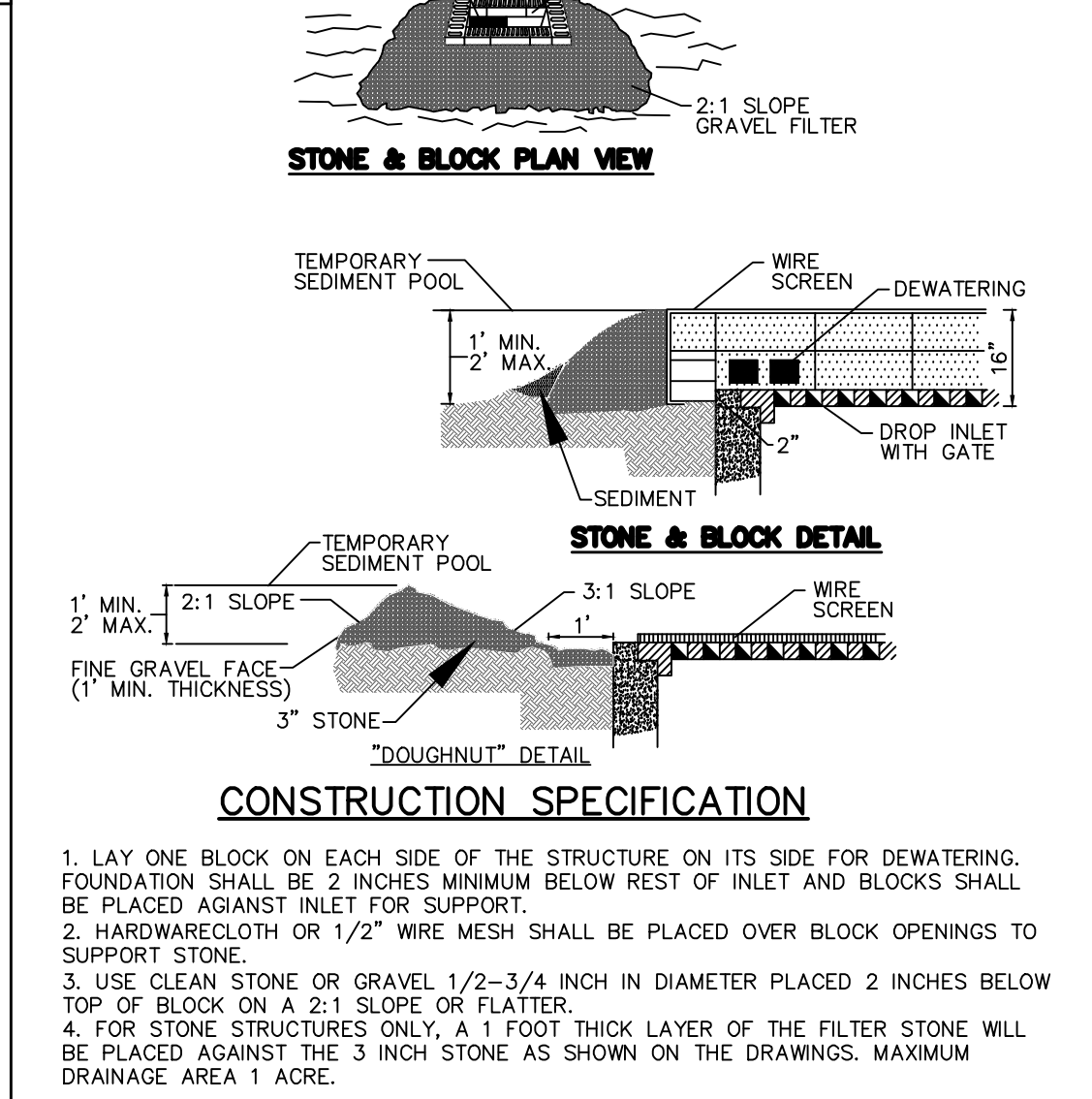
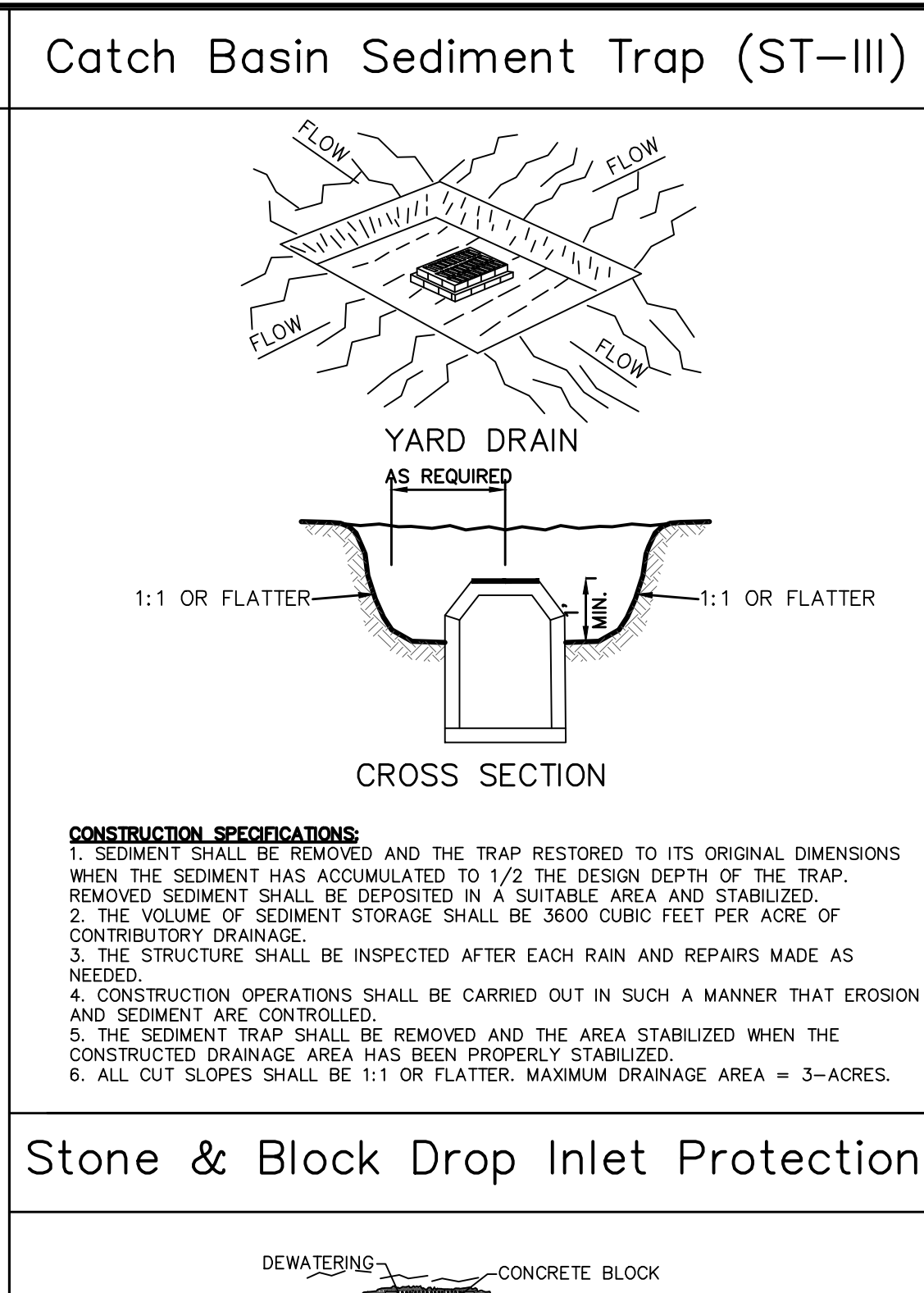
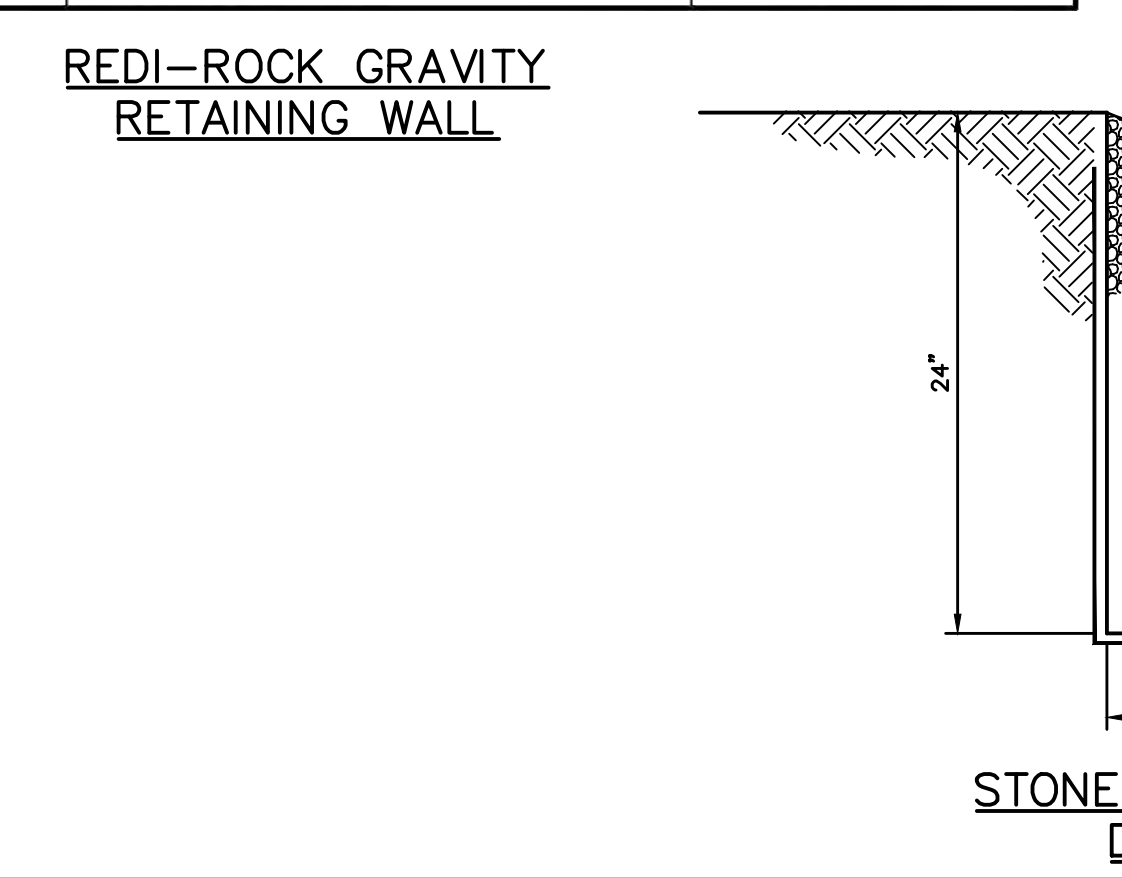
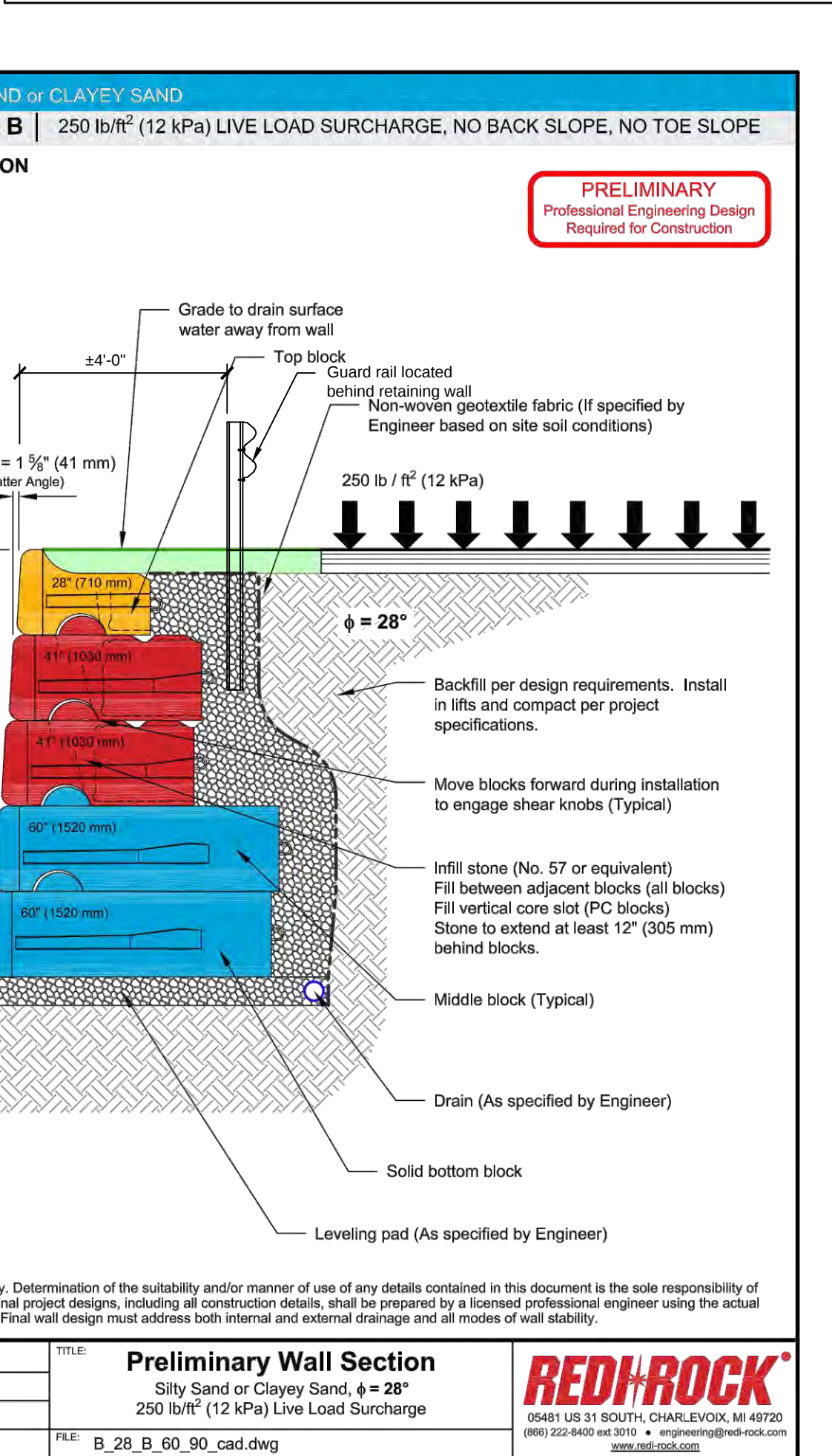
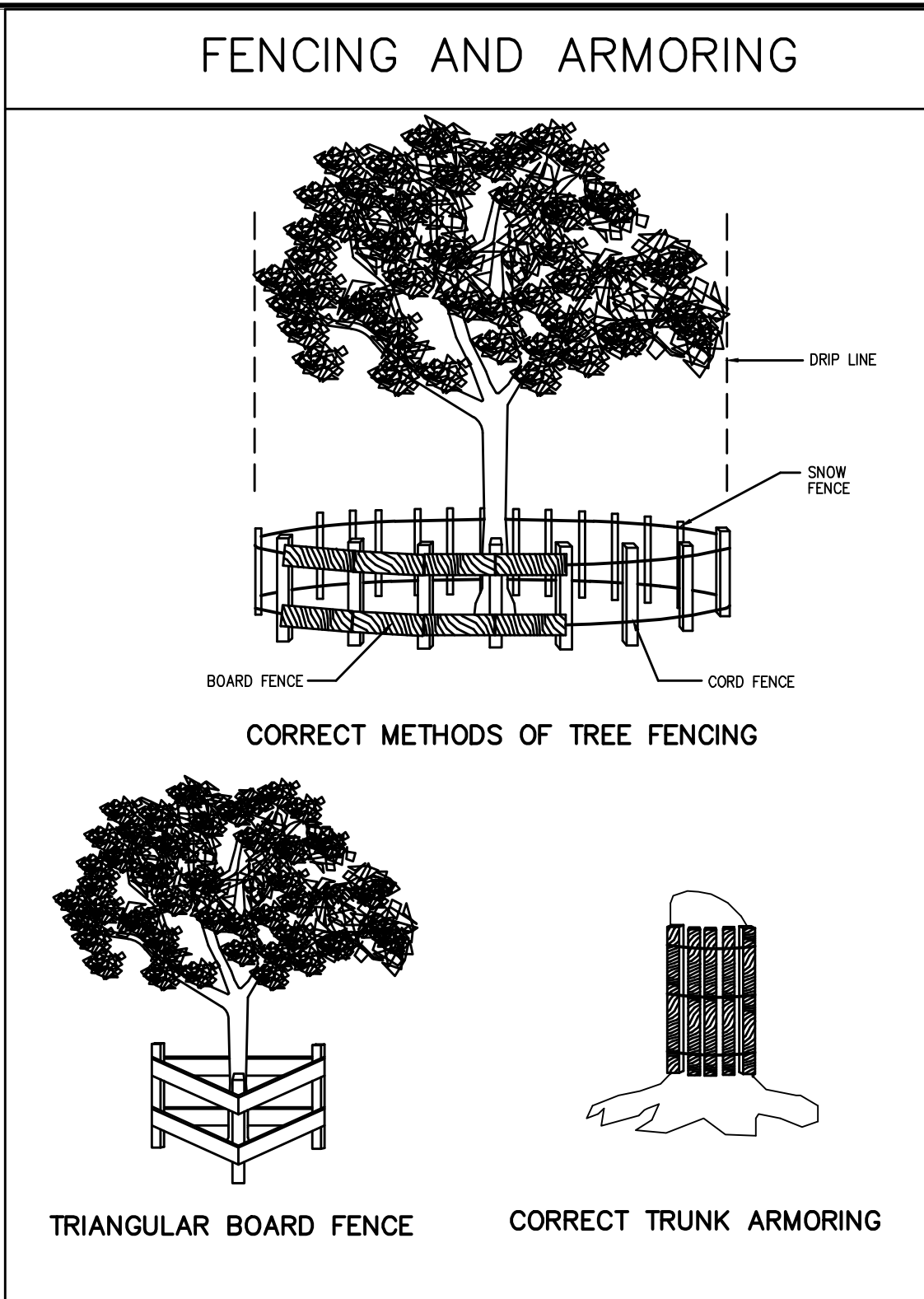
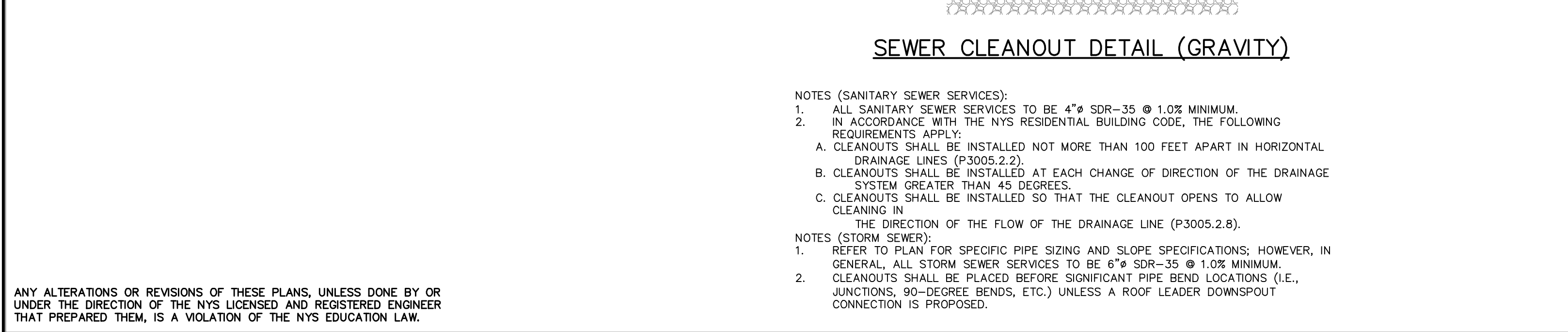
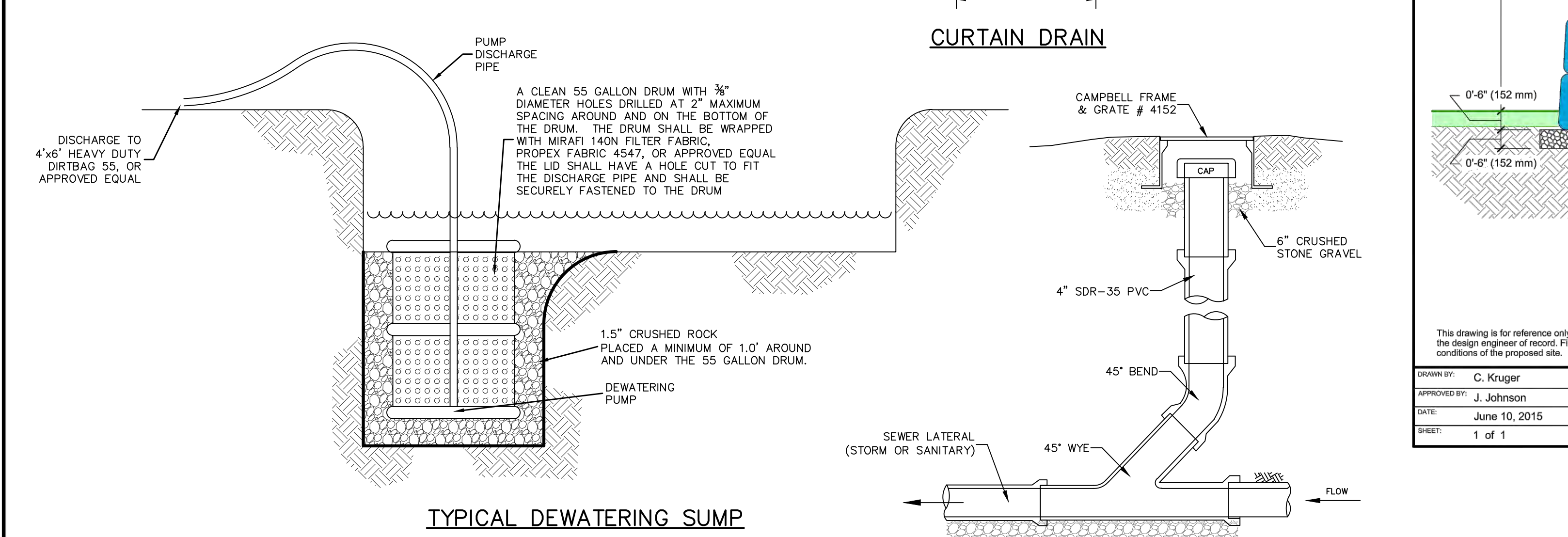
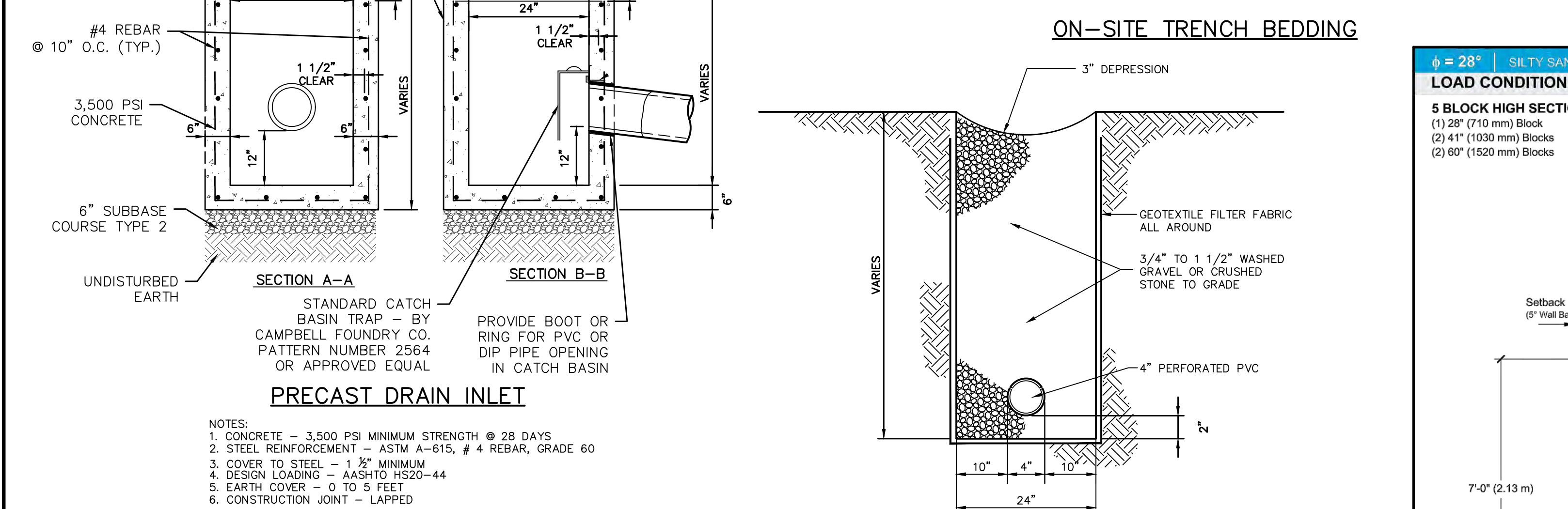
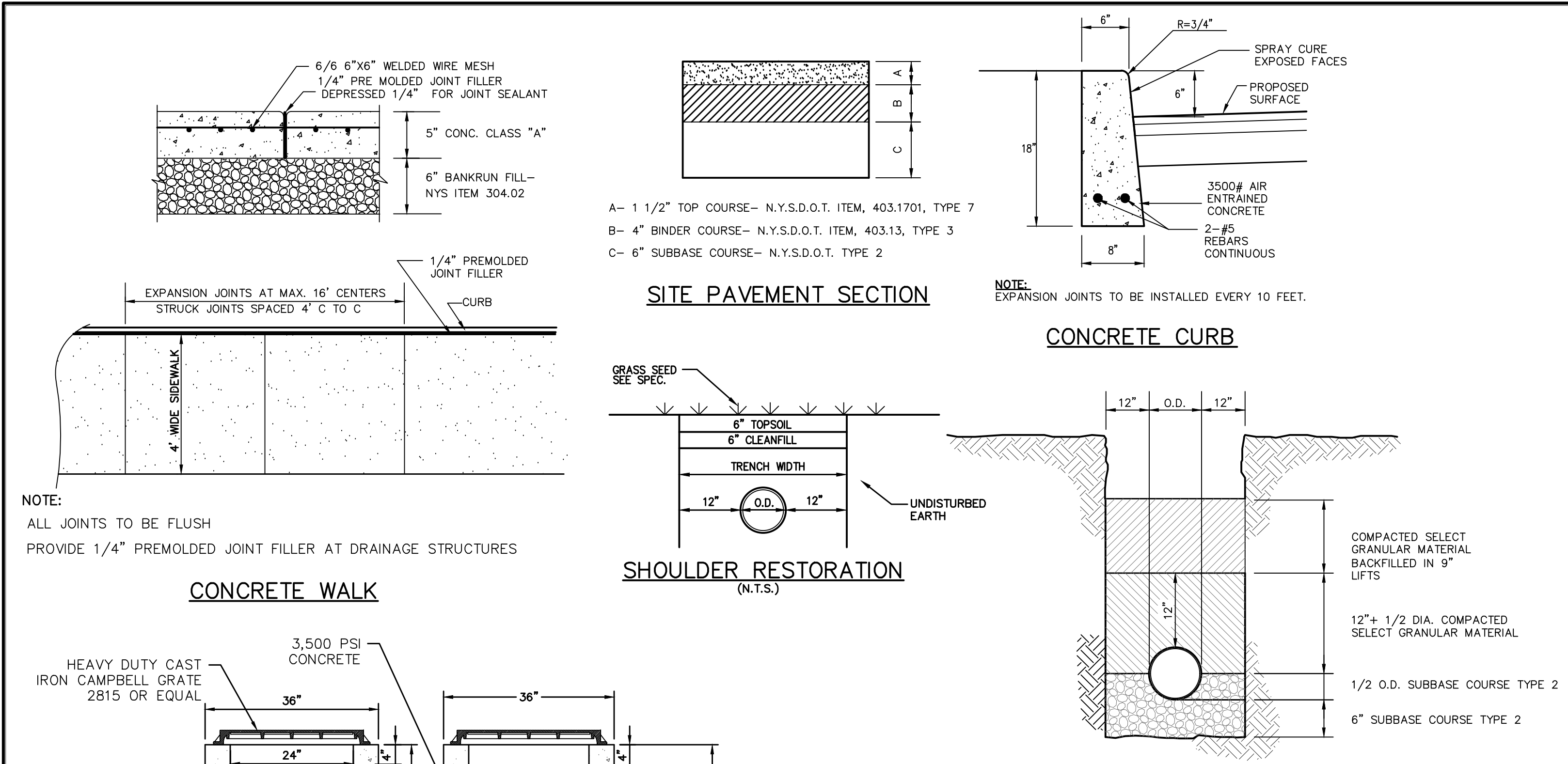
HUDSON
ENGINEERING
&
CONSULTING, P.C.
45 Knowlton Road, Suite 201
Elmford, New York 10523
T: 914-909-0420
F: 914-550-2785

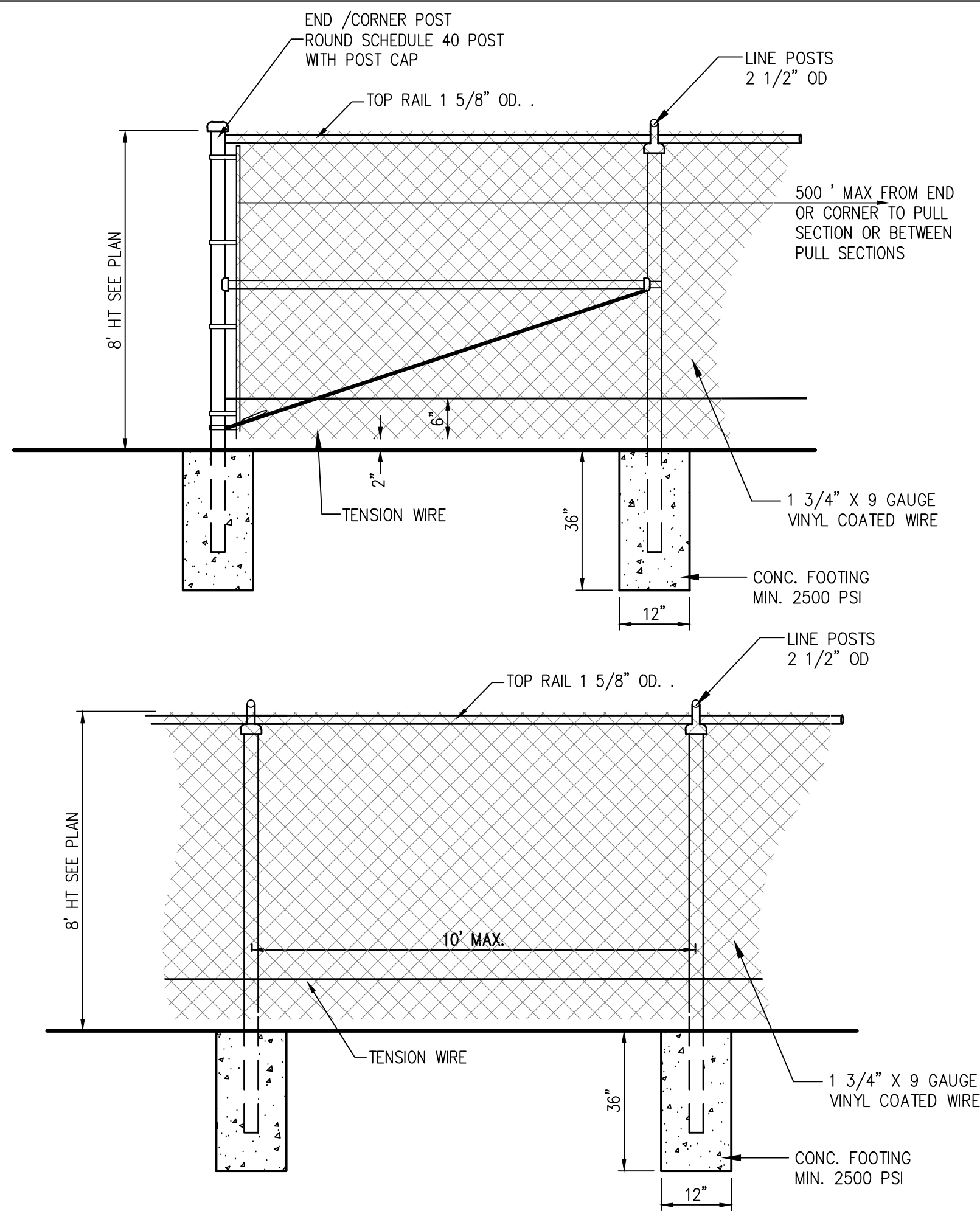


Date:	2/27/18	Sheet:	
Scale:	1" = 30'	5	
Designed By:	D.C.		9
Checked By:	M.S.		
Sheet No			

C-5

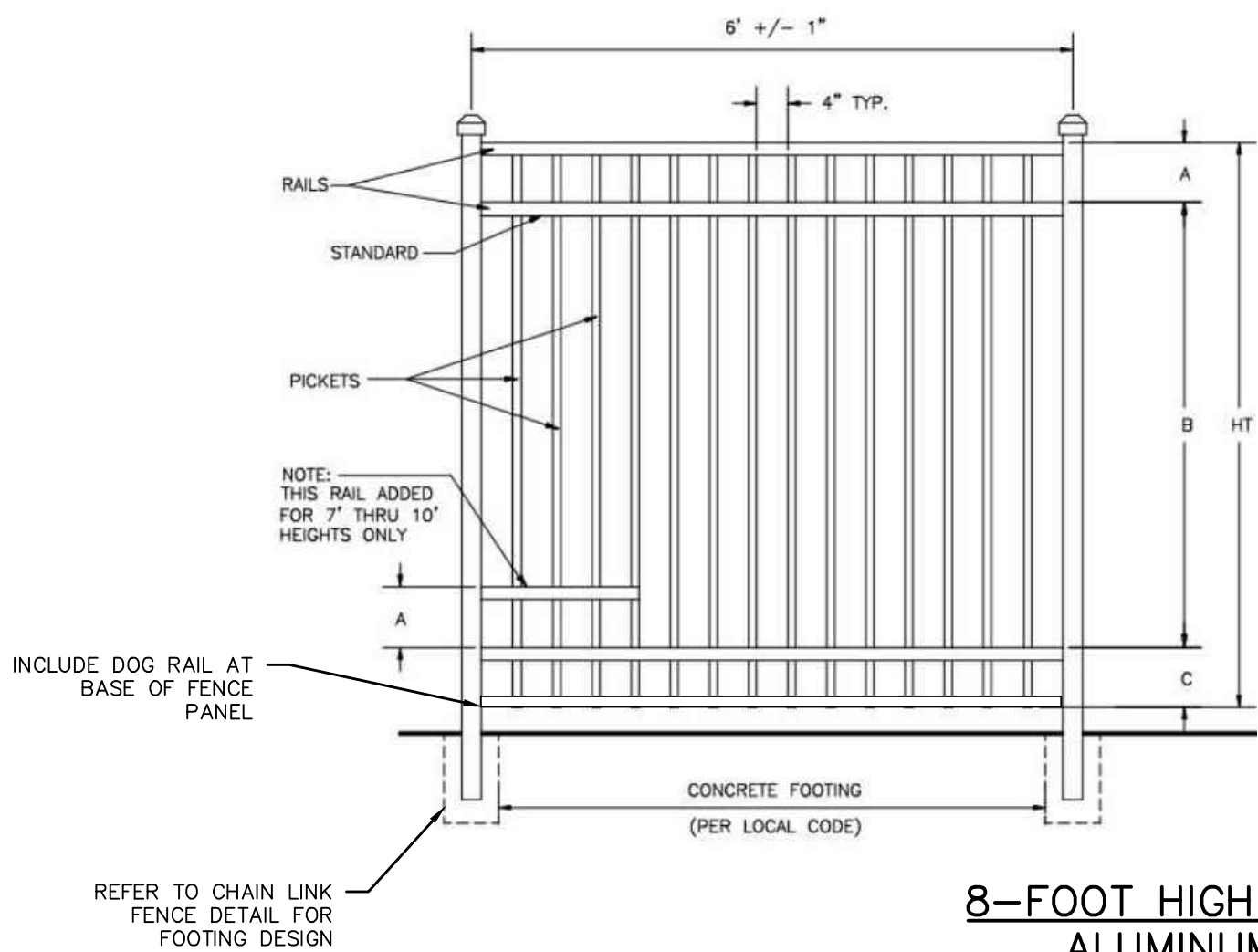
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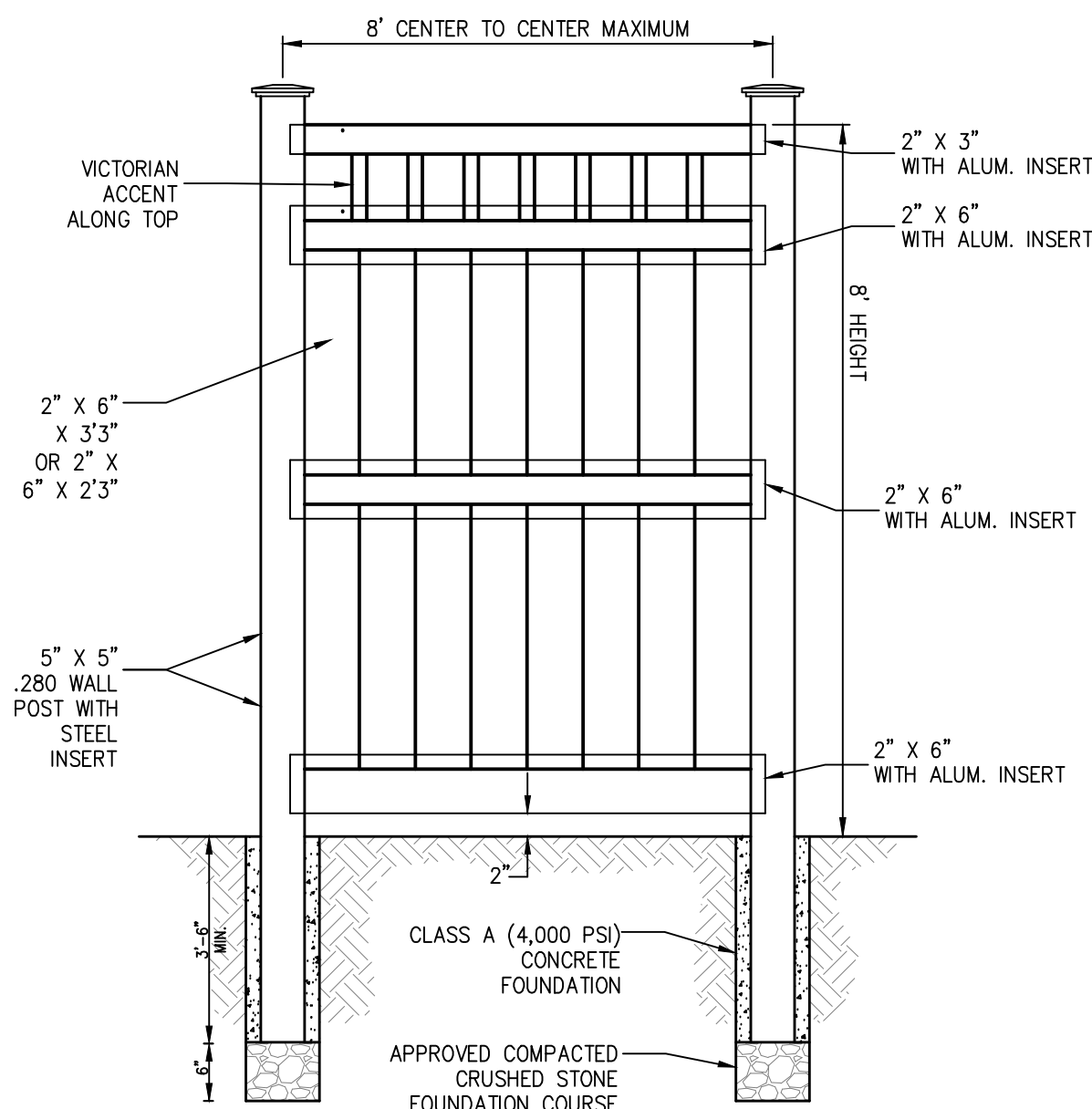


- NOTE:
1. POSTS, INCLUDING ENCASEMENT SHALL BE SET INSIDE THE PROPERTY LINE SO THAT FENCING PLACED ON THE PROPERTY SIDE OF THE POSTS WILL BE AS NEARLY ON THE PROPERTY LINE AS POSSIBLE.
 2. CORNER POSTS SHALL BE USED AT SHARP BREAKS IN VERTICAL GRADE, AND CHANGES IN HORIZONTAL ALIGNMENT OF 15 DEG. AND OVER. PULL POSTS SHALL BE USED EVERY 500' ON STRAIGHT RUNS OF CHAIN LINK FENCE OR AS DIRECTED BY THE ENGINEER.

**8-FOOT HIGH
CHAIN LINK FENCE**

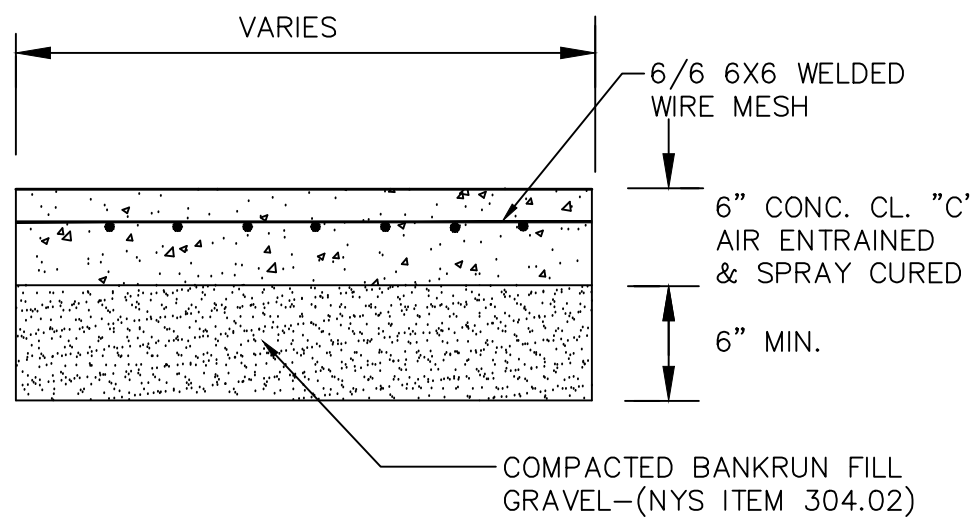


**8-FOOT HIGH DECORATIVE
ALUMINUM FENCE**



- NOTES:**
1. FENCE SHALL BE BUFFTECH GALVESTON VINYL FENCE W/ VICTORIAN ACCENT AS MANUFACTURED BY CERTAINTED OR APPROVED EQUAL. THE COLOR SHALL BE GREY.
 2. FENCE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 3. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO CONFIRM THAT THE OVERALL FENCE DIMENSIONS MEET THE ABOVE NOTED DESIGN.

**8-FOOT HIGH PVC PRIVACY FENCE
AT DOG KENNELS**



**CONCRETE PAVEMENT AT
DOG KENNELS**

DIMENSIONS					
HT	A	B	C	E	F
4'	7 5/8"	32 3/4"	7 5/8"	PER LOCAL CODE	
5'	7 5/8"	44 3/4"	7 5/8"	PER LOCAL CODE	
6'	7 5/8"	56 3/4"	7 5/8"	PER LOCAL CODE	
7'	10 5/8"	62 3/4"	10 5/8"	PER LOCAL CODE	
8'	10 5/8"	74 3/4"	10 5/8"	PER LOCAL CODE	
9'	13 5/8"	80 3/4"	13 5/8"	PER LOCAL CODE	
10'	13 5/8"	92 3/4"	13 5/8"	PER LOCAL CODE	

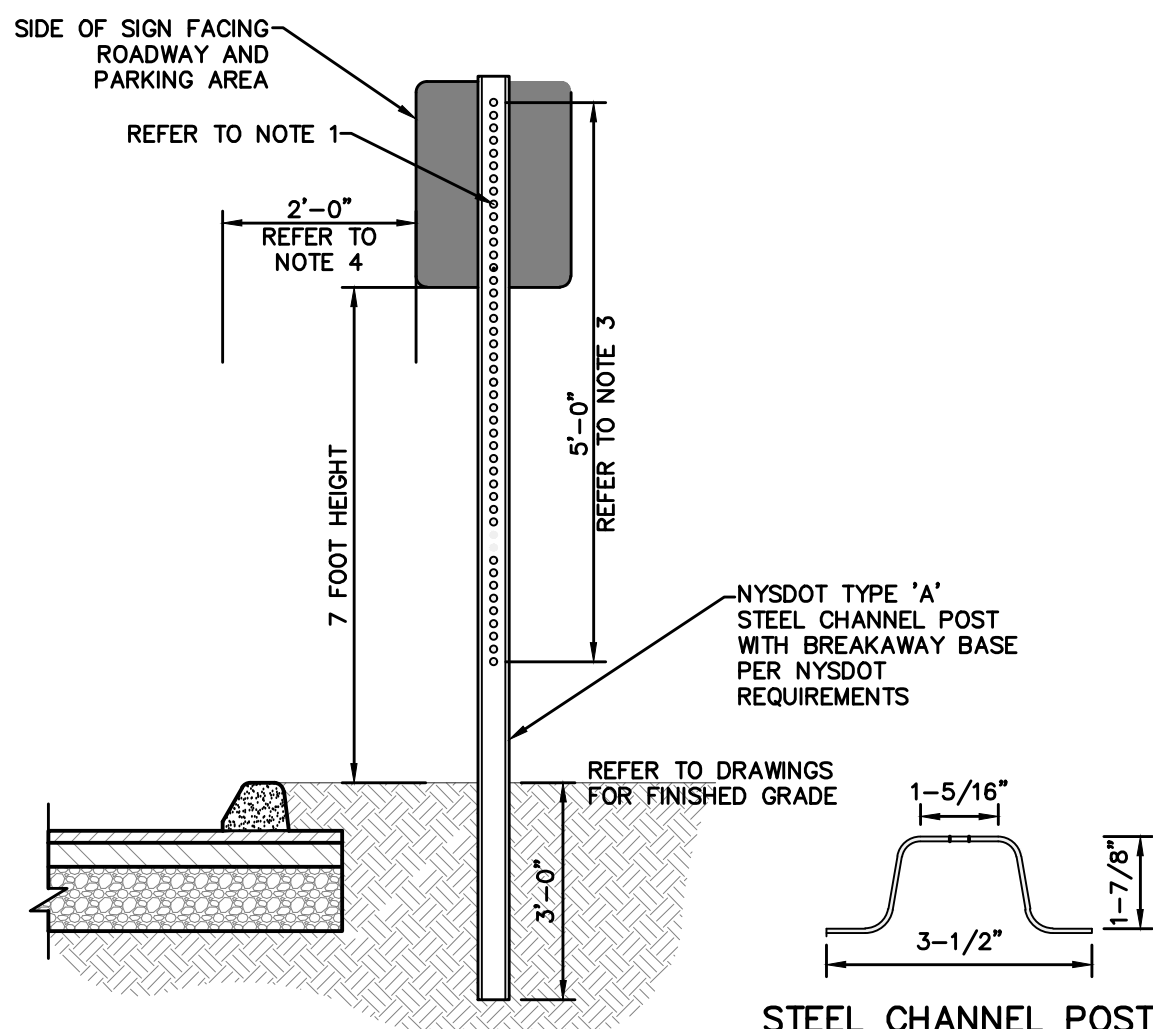
SPECIFICATIONS	
INDUSTRIAL	
POSTS	2 1/2"x2 1/2"x100 WALL 3"x3"x125 WALL 4"x4"x125 WALL
HORIZONTAL RAILS ENCLOSED BOTTOM SIDE WALLS TOP WALLS	1 5/8" x 1 5/8" AVAILABLE .100" .070"
PICKETS PICKET SPACING	1"x1"x.062 WALL 4"
AVAILABLE HEIGHTS	4, 5, 6, 7, 8, 9 & 10 FT.



R7-8

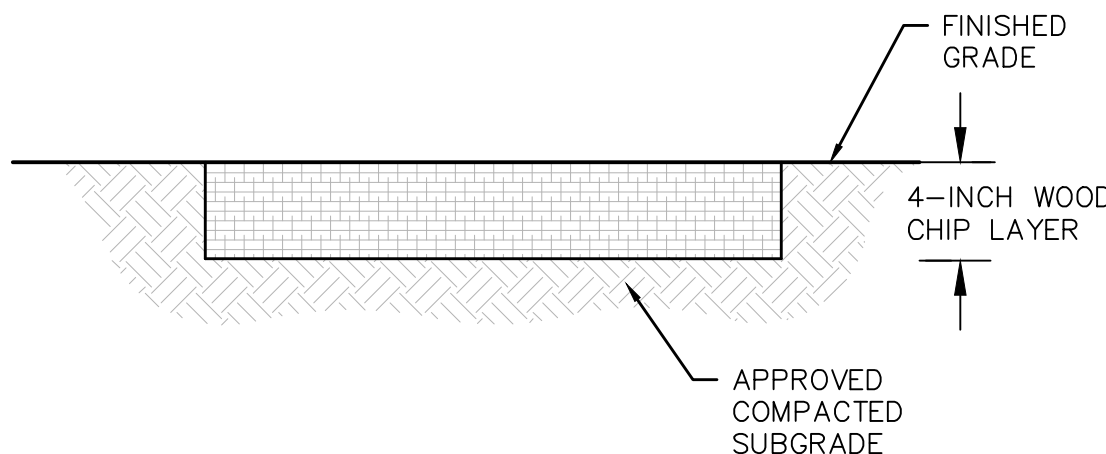


R1-1

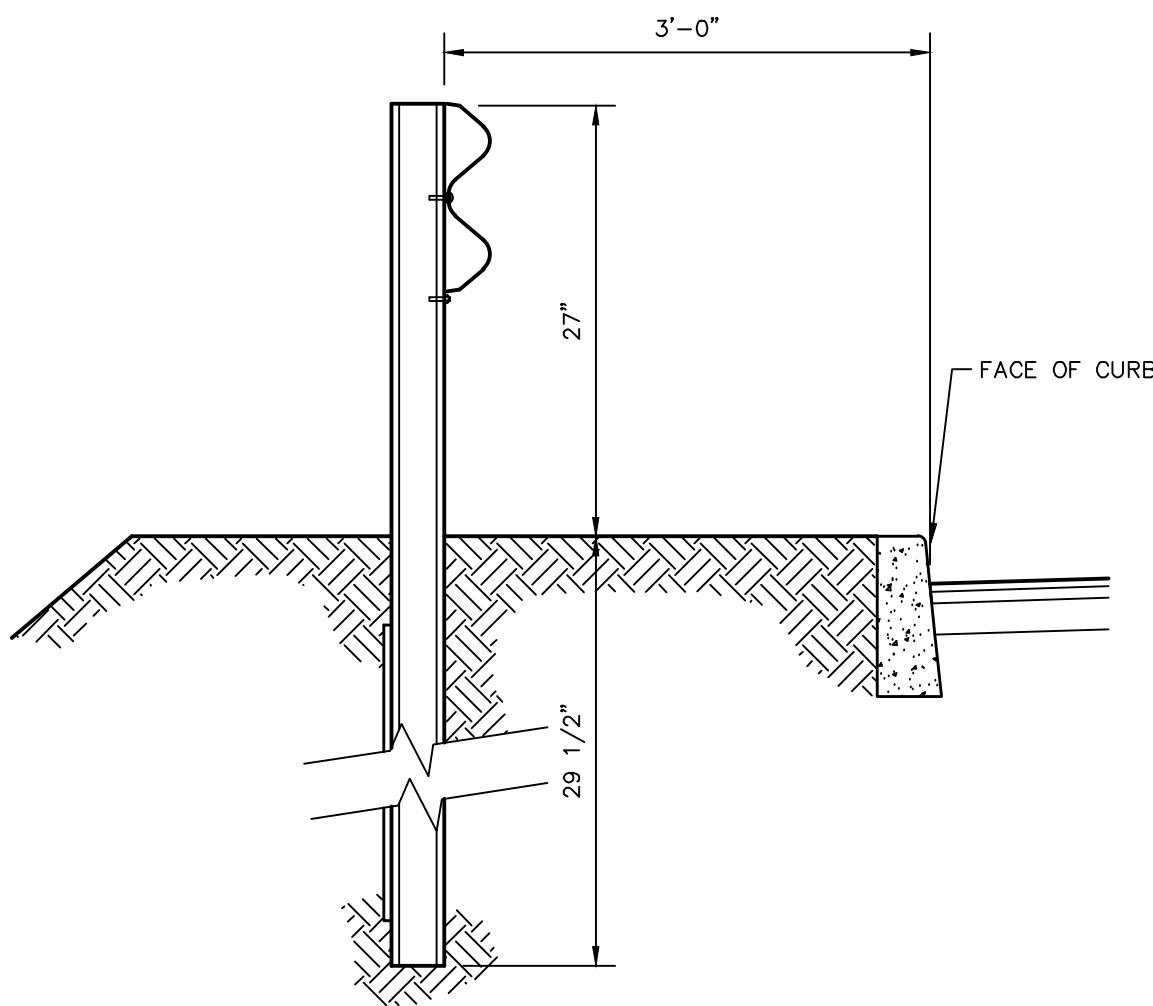


- NOTES:**
1. SIGN BOLTS SHALL BE GALVANIZED STEEL WITH NUTS AND LOCK WASHERS WITH A DIAMETER OF 5/16 INCHES.
 2. STEEL CHANNEL POST SHALL BE GALVANIZED WITH A GROSS WEIGHT OF 3 LBS. PER LINEAR FOOT (L.F.).
 3. HOLES WITHIN STEEL CHANNEL POSTS SHALL BE 3/8 INCH DIAMETER SPACED 1 INCH ON-CENTER (O.C.).
 4. EDGE OF SIGN SHALL BE PLACED 2 FEET BEHIND THE FACE OF CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

TRAFFIC SIGN POST (STEEL)

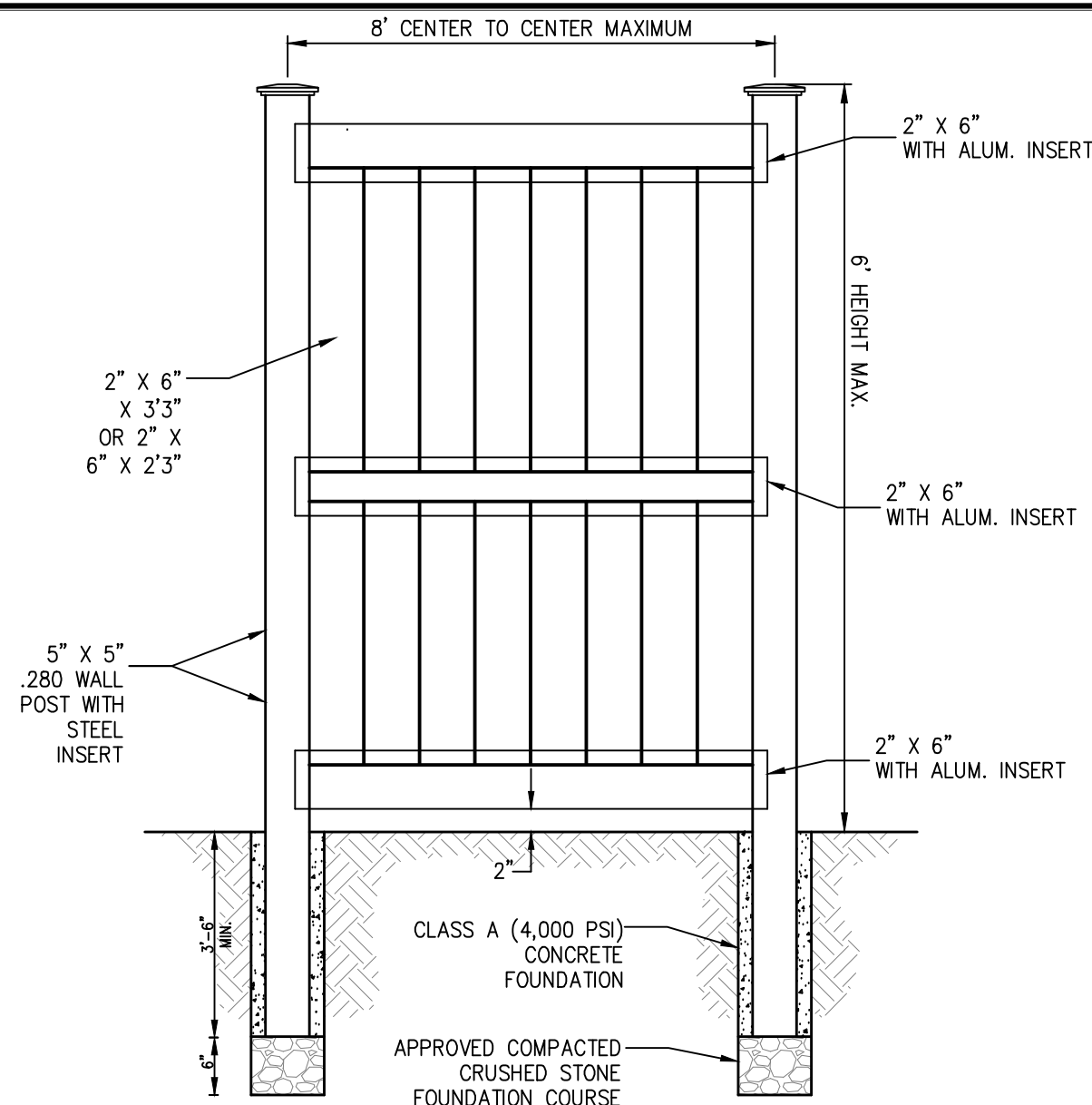


**WOOD CHIP EXERCISE
RUN BASE**



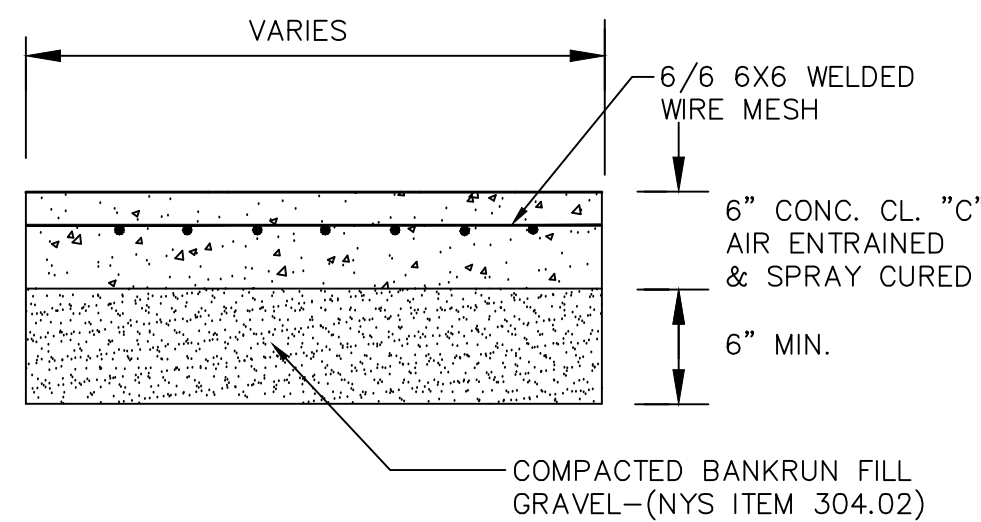
- NOTES:**
1. GUIDE RAIL CORRUGATED TYPE "W" WITH POST AT 6'-0" O.C.
 2. N.Y.S.D.O.T. STANDARD DETAIL FOR CORRUGATED BEAM GUIDE RAILS.
 3. N.Y.S.D.O.T. 606.6R2 FOR CORRUGATED BEAM GUIDE RAILING.
 4. N.Y.S.D.O.T. 606.22 & 606.23 FOR ANCHORAGE UNITS.

GUIDE RAIL



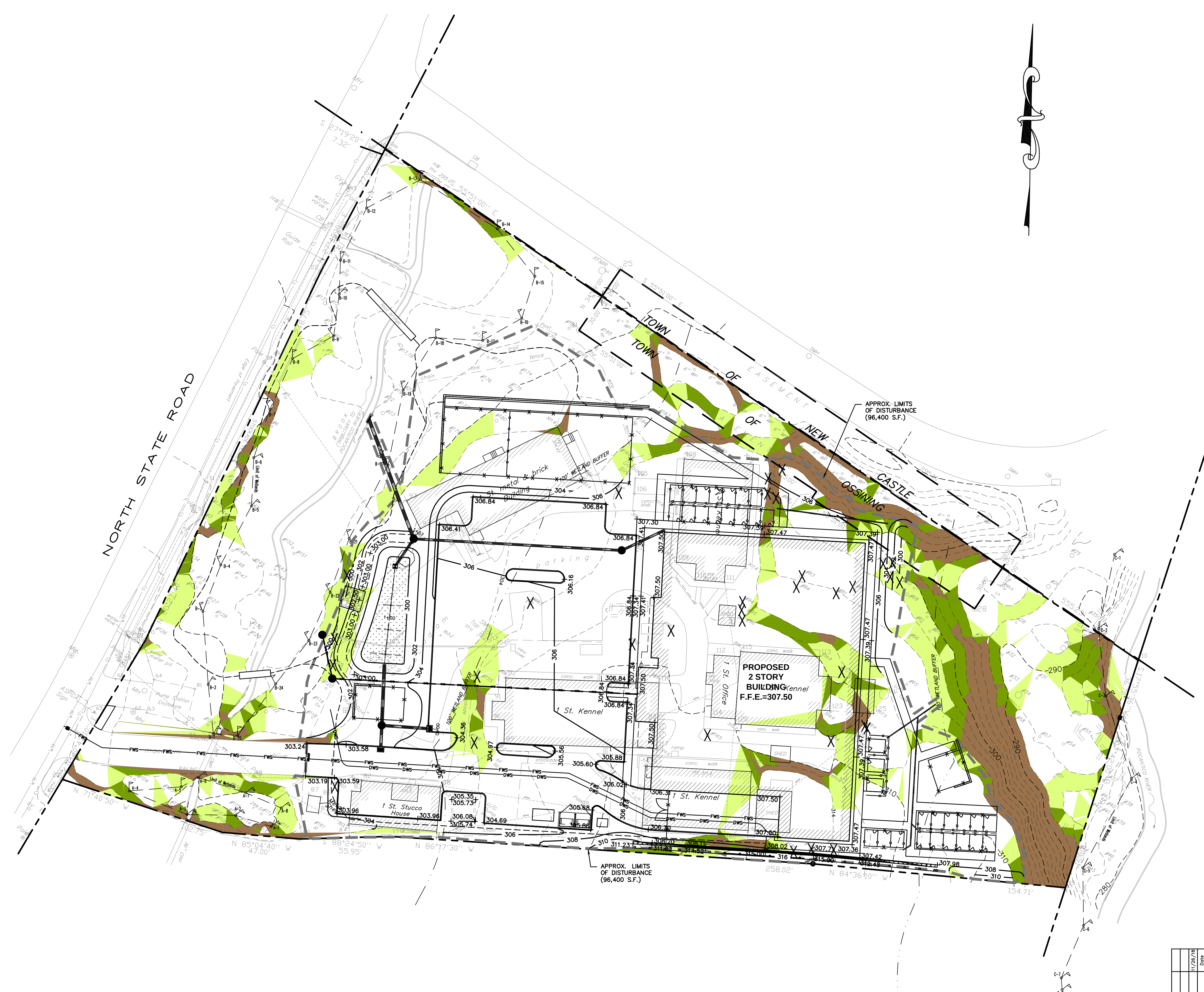
- NOTES:**
1. FENCE SHALL BE BUFFTECH GALVESTON VINYL FENCE AS MANUFACTURED BY CERTAINTED OR APPROVED EQUAL. THE COLOR SHALL BE GREY.
 2. FENCE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 3. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO CONFIRM THAT THE OVERALL FENCE DIMENSIONS MEET THE ABOVE NOTED DESIGN.
 4. NO PORTION OF THE FENCE SHALL EXCEED 6- FEET IN HEIGHT

**6-FOOT HIGH PVC PRIVACY FENCE
AT TRASH ENCLOSURE**



**CONCRETE PAVEMENT AT
TRASH ENCLOSURE**

No.	Description	Revisions	Date	PROJECT:
				SPCA OF WESTCHESTER 590 NORTH STATE ROAD TOWN OF OSSINING WESTCHESTER COUNTY – NEW YORK
				DETAILS
				HUDSON ENGINEERING CONSULTING, P.C. 45 Knollwood Road – Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2018
THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE				 Date: 11/26/18 Scale: N.T.S. Designed By: D.C. Checked By: M.S. Sheet No. 9
				C-7

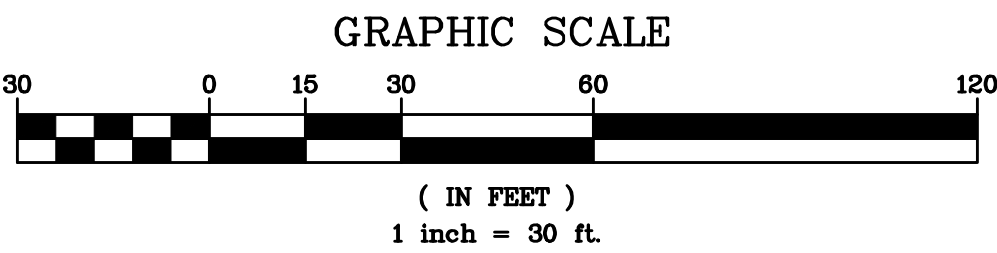


SLOPE ANALYSIS (ENTIRE SITE)				
NO.	MIN. SLOPE	MAX. SLOPE	AREA	COLOR
1	15%	25%	16161	
2	25%	35%	6969	
3	35%	Vertical	9804	

SLOPE ANALYSIS (LIMIT OF DISTURBANCE)				
NO.	MIN. SLOPE	MAX. SLOPE	AREA	COLOR
1	15%	25%	7480	
2	25%	35%	2267	
3	35%	Vertical	1920	

Tree Removal			
Tree No.	Species	Size	Condition
160	Cedar	6"	Good
187	Cherry	10"	Fair
166	Cherry	16"	Good
70	Elm	6"	Good
91	Elm	6"	Fair
157	Elm	6"	Good
71	Elm	10"	Good
77	Elm	11"	Good
155	Fir	24"	Good
156	Fir	30"	Good
95	Hemlock	6"	Poor
96	Hemlock	6"	Fair
94	Hemlock	8"	Poor
84	Locust	10"	Fair
72	Locust	11"	Good
92	Locust	12"	Fair
90	Locust	14"	Fair
89	Locust	18"	Fair
188	Maple	6"	Fair
73	Maple	6"	Good
81	Maple	7"	Fair
80	Maple	8"	Poor
189	Maple	10"	Fair
124	Maple	18"	Fair
150	Maple	18"	Good
164	Maple	18"	Fair
125	Maple	24"	Fair
165	Maple	24"	Poor
83	Maple	29"	Poor
153	tri. Maple	12", 15" 18"	Fair
64	tw. Maple	6"-16"	Good
167	quad. Maple	8"-16"	Fair
104	Oak	10"	Good
Total Number of Trees Being Removed			33

EXISTING INFORMATION SHOWN HEREON
HAS BEEN PROVIDED BY SUMMIT LAND
SURVEYORS, DATED JANUARY 31, 2016



REVISIONS

NO.	DATE	DESCRIPTION
1	10/26/18	REVISED PER TOWN COMMENTS

THIS PLAN NOT VALID FOR CONSTRUCTION
WITHOUT ENGINEER'S SEAL & SIGNATURE

PROJECT:

SPCA OF WESTCHESTER
590 NORTH STATE ROAD
TOWN OF OSSINING
WESTCHESTER COUNTY – NEW YORK

DATE: 10/9/18
SHEET: 9

DESIGNED BY: D.C.
CHECKED BY: M.S.

SHEET NO.

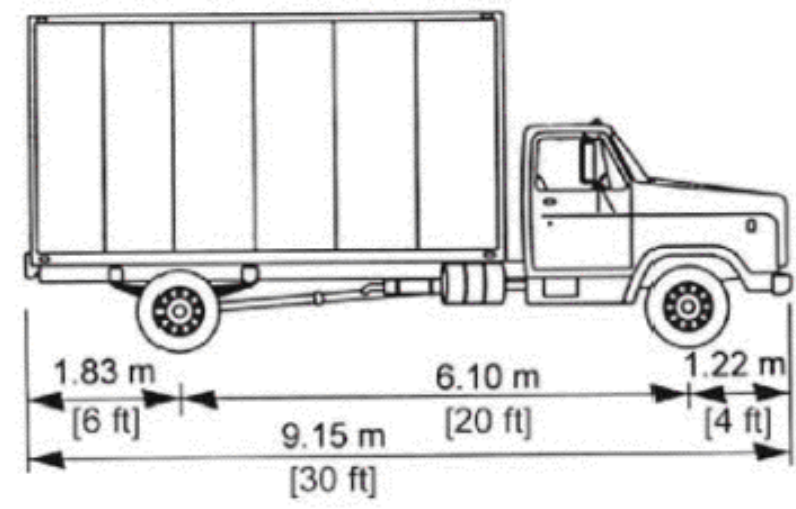
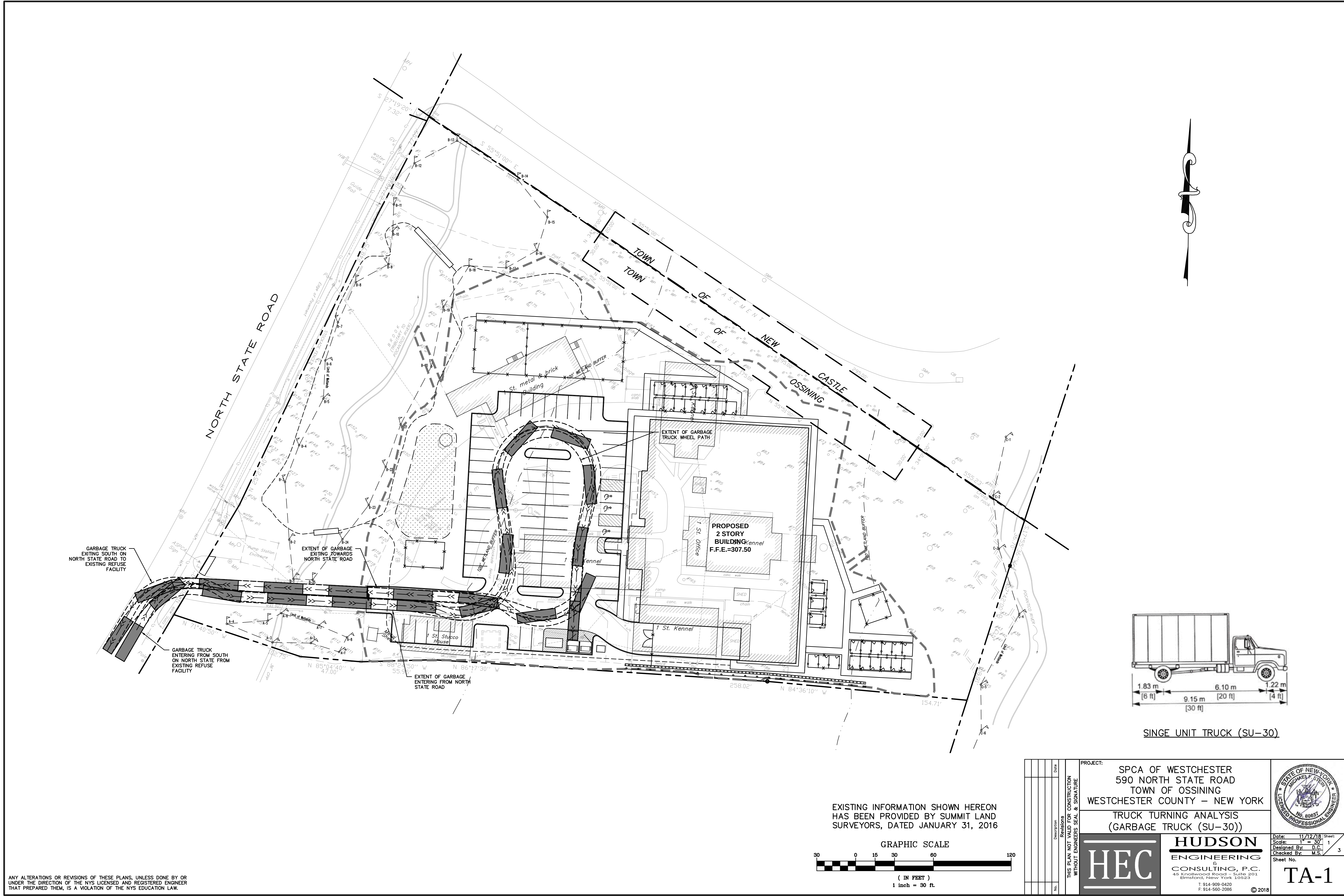
HEC

HUDSON
ENGINEERING
&
CONSULTING, P.C.
45 Knollwood Road - Suite 201
Elmsford, New York 10523
T: 914-909-0420
F: 914-560-2086

STATE OF NEW YORK
MICHAEL J. STERN
No. 80857
LICENSED PROFESSIONAL ENGINEER

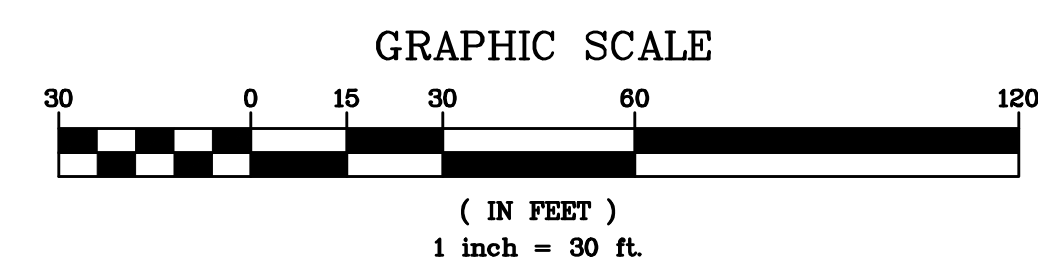
SA-1

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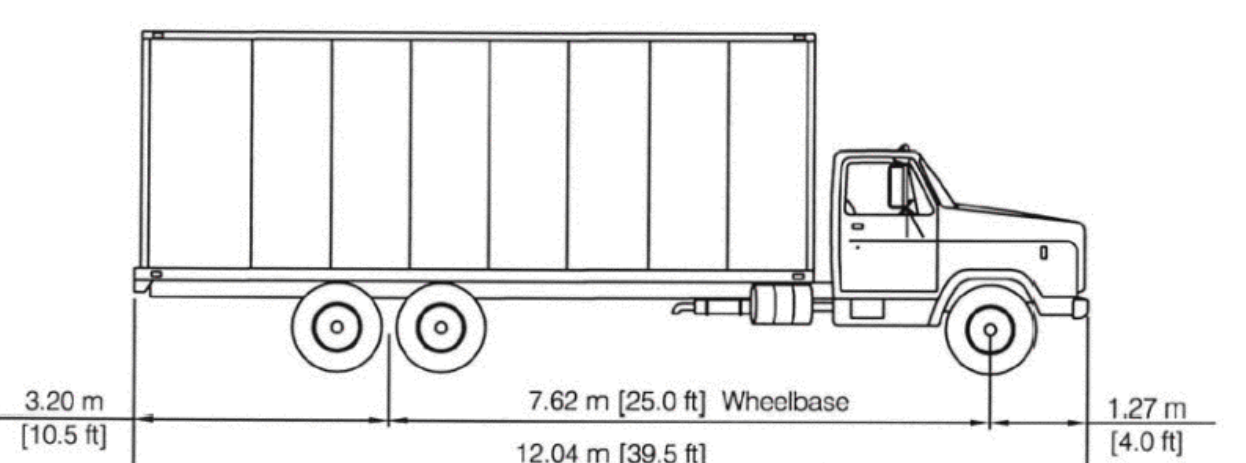
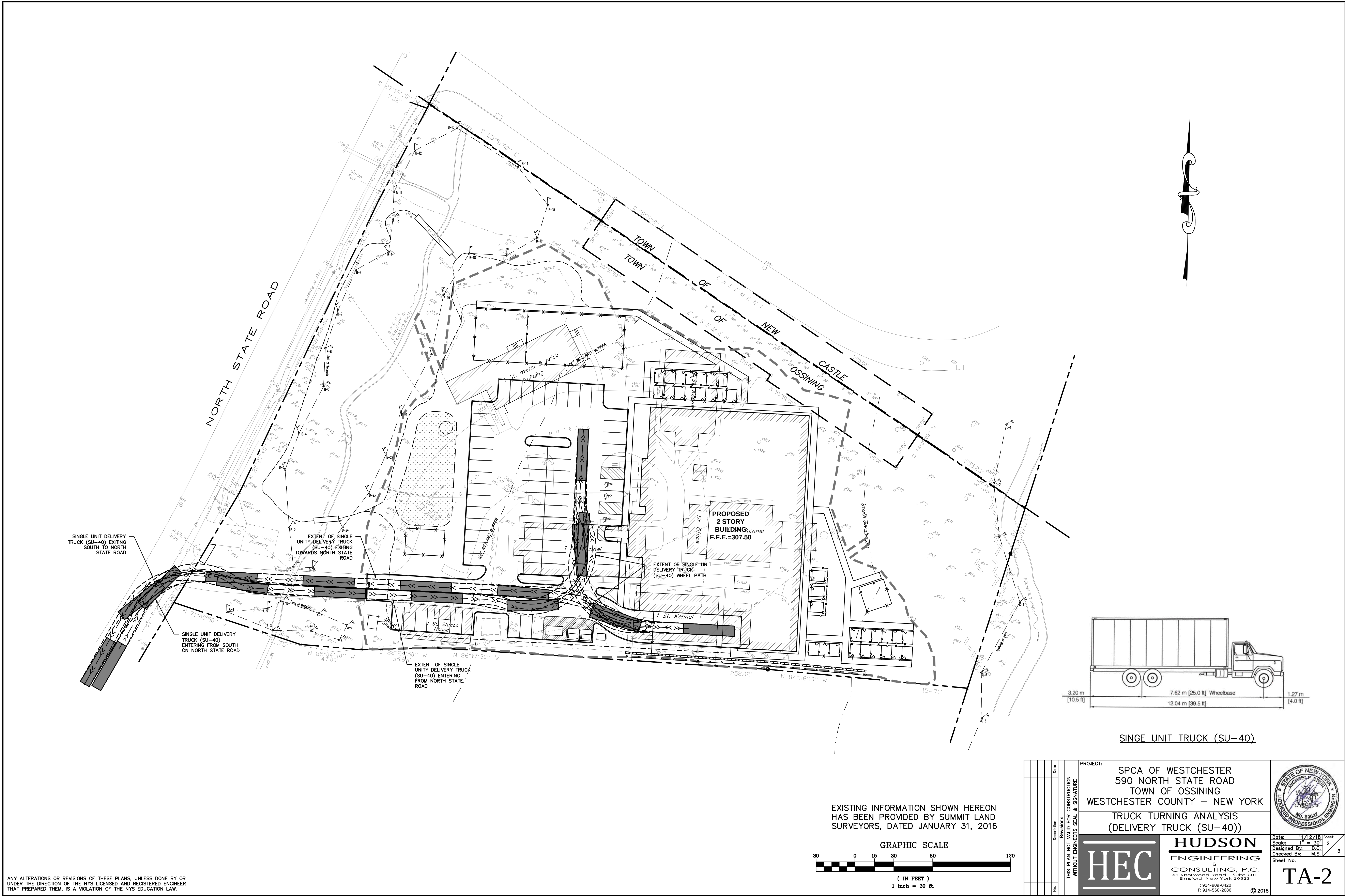
SINGE UNIT TRUCK (SU-30)

EXISTING INFORMATION SHOWN HEREON
HAS BEEN PROVIDED BY SUMMIT LAND
SURVEYORS, DATED JANUARY 31, 2016



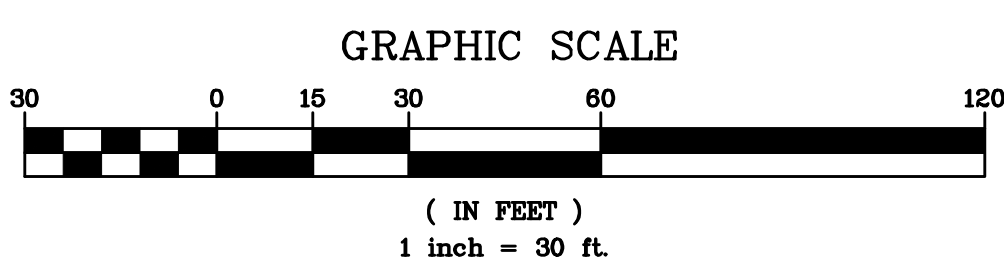
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THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE	Date	11/12/18
	Revisions	
	Description	
	No.	
PROJECT:		SPCA OF WESTCHESTER 590 NORTH STATE ROAD TOWN OF OSSINING WESTCHESTER COUNTY - NEW YORK
		TRUCK TURNING ANALYSIS (GARBAGE TRUCK (SU-30))
HEC		HUDSON ENGINEERING & CONSULTING, P.C. 45 Knollwood Road - Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2018
		STATE OF NEW YORK MICHAEL J. STERN No. 60657 LICENSED PROFESSIONAL ENGINEER Date: 11/12/18 Sheet: 1 Scale: 1" = 30' Designed By: D.C. Checked By: M.S. Sheet No. 3 TA-1



SINGLE UNIT TRUCK (SU-40)

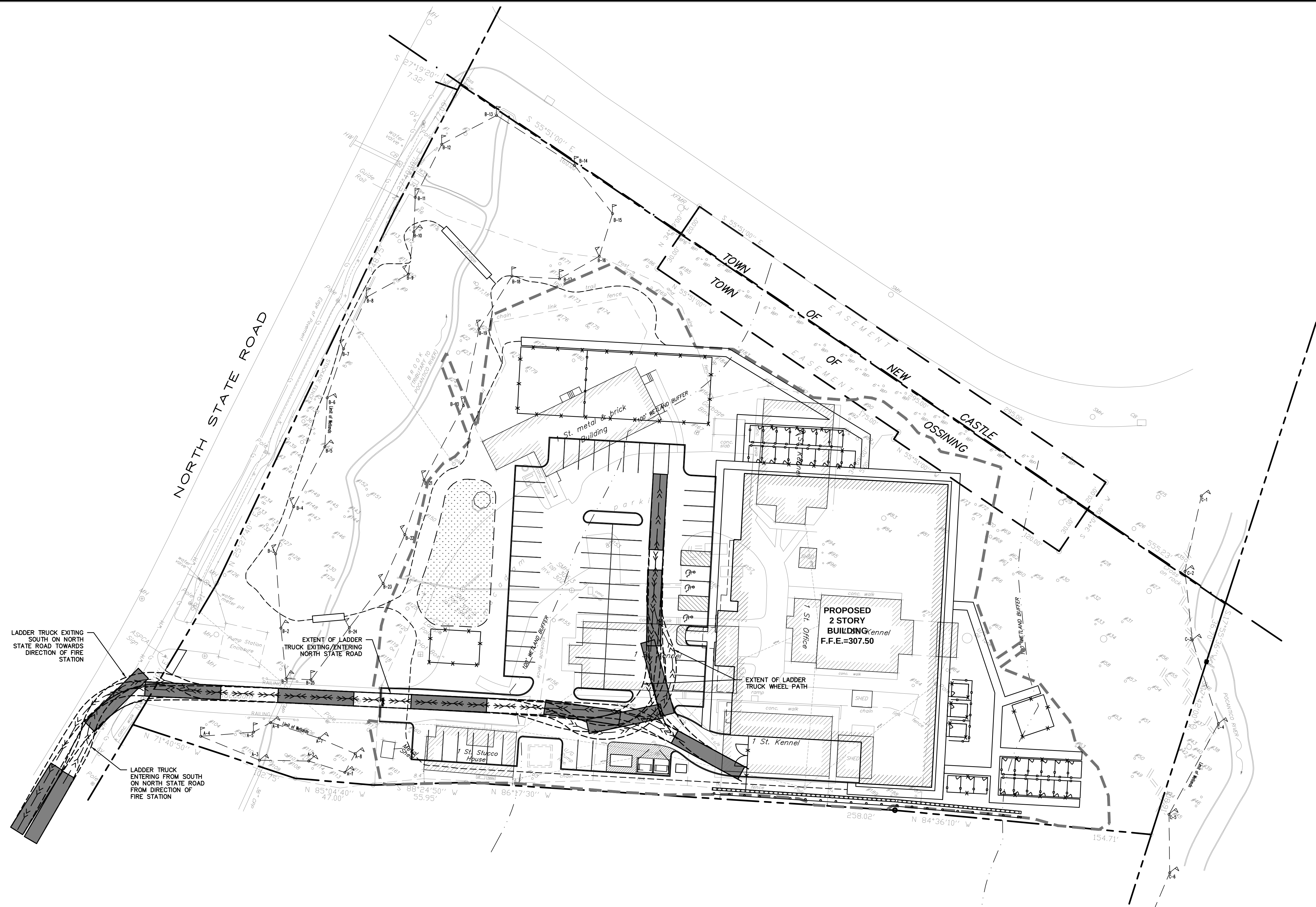
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SURVEYORS, DATED JANUARY 31, 2016



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Revisions <table border="1"><thead><tr><th>No.</th><th>Description</th><th>Date</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>	No.	Description	Date									
	No.	Description	Date									

TA-2

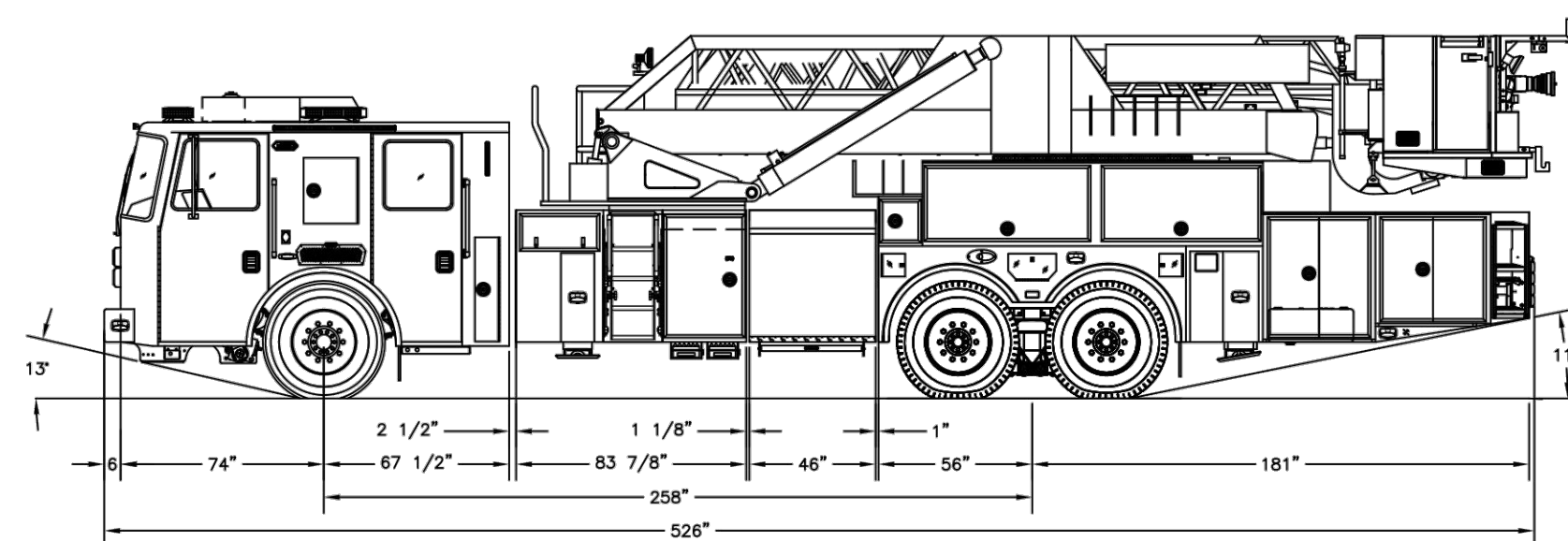


LADDER TRUCK EXITING SOUTH ON NORTH STATE ROAD TOWARDS DIRECTION OF FIRE STATION

EXTENT OF LADDER TRUCK EXITING/ENTERING NORTH STATE ROAD

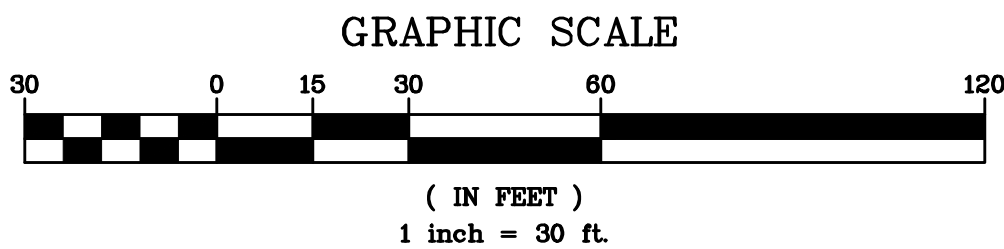
LADDER TRUCK ENTERING FROM SOUTH ON NORTH STATE ROAD FROM DIRECTION OF FIRE STATION

EXTENT OF LADDER TRUCK WHEEL PATH



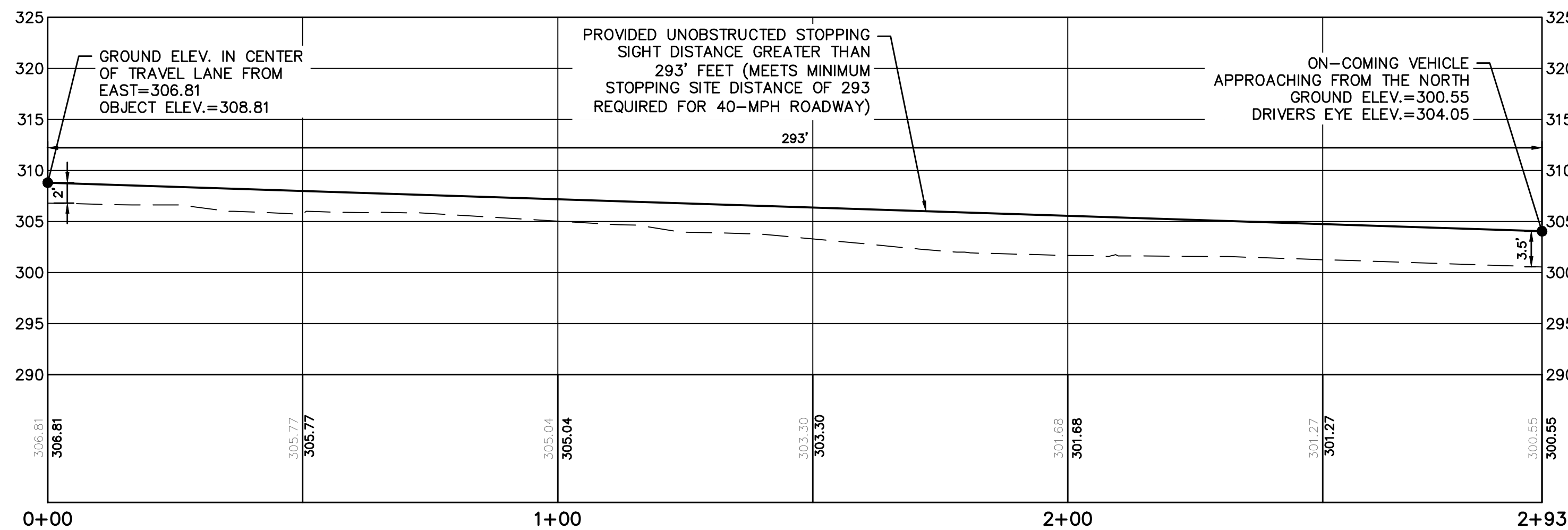
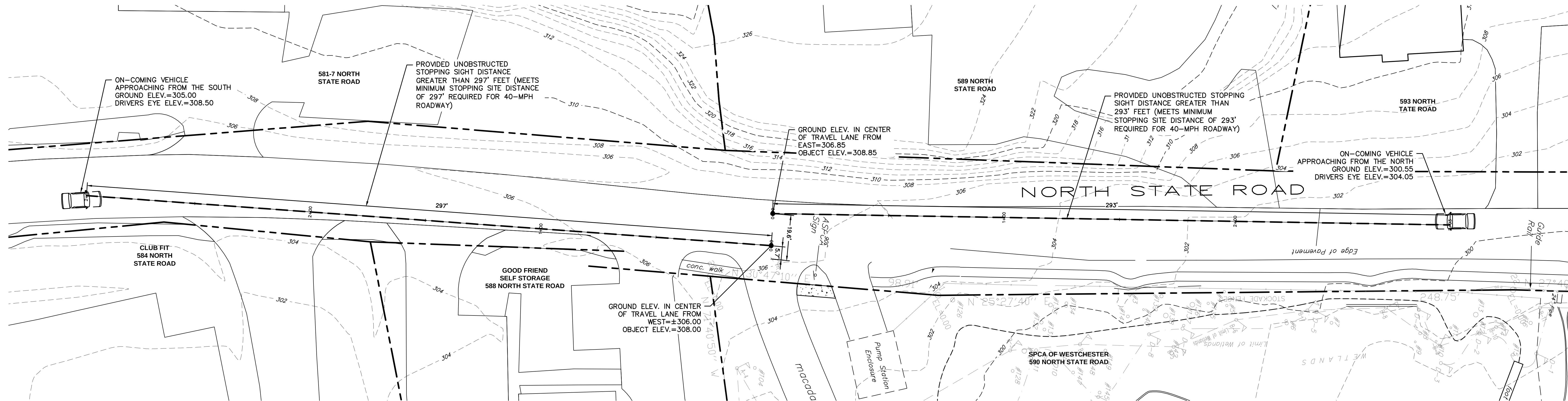
LADDER TRUCK

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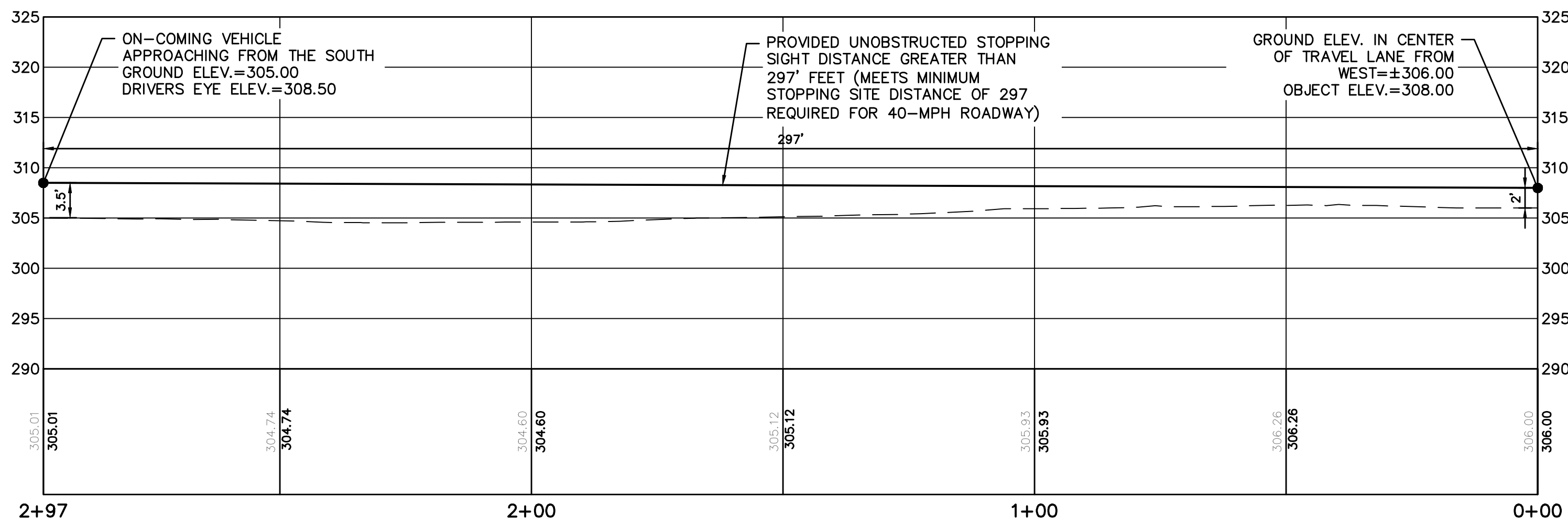
PROJECT: SPCA OF WESTCHESTER 590 NORTH STATE ROAD TOWN OF OSSINING WESTCHESTER COUNTY – NEW YORK TRUCK TURNING ANALYSIS (EMERGENCY VEHICLE (LADDER))		
HUDSON ENGINEERING CONSULTING, P.C. 45 Knollwood Road - Suite 201 Elmford, New York 10523 T: 914-909-0420 F: 914-560-2086		
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SIGHT DISTANCE PROFILE (NORTH)
(STA. 0+00 TO STA. 2+93)

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'



SIGHT DISTANCE PROFILE (SOUTH)
(STA. 0+00 TO STA. 2+97)

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

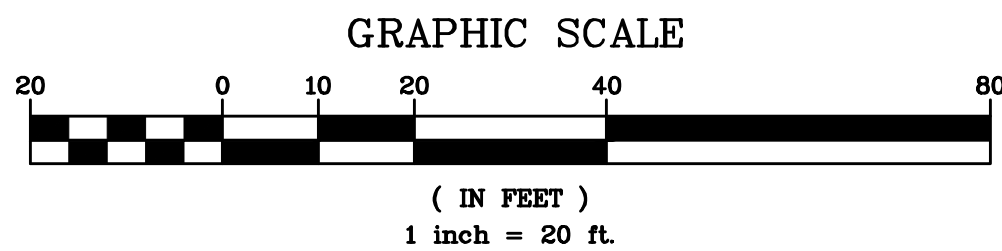
Braking Distance Formula: $d_b = V^2 / (30(a/32.2) \pm g/100)$	
Stopping Sight Distance Formula: $SSD = 1.47Vt + \frac{V^2}{2a}$	
Posted Speed Limit =	30 mph
Design Speed Limit (V) =	30 mph
(85th percentile)	40 mph
Deceleration Rate (a) =	11.2 ft/sec.
Approximate Grade (G) =	1.75 %
Perception/Reaction Time (t) =	2.5 sec.
Minimum Calculated	
Breaking Distance (d_b) =	146 (ft) design
Minimum Calculated	
Stopping Sight Distance (SSD) =	293 (ft) design
Approaching Ground Elev. =	300.55 (ft)
Approaching Driver's Eye =	3.5 (ft)
Approaching Eye Elev. =	304.05
Ground Elev. at Object in Driveway =	306.85 (ft)
Min. Height of Object in Driveway =	2.0 (ft)
Elev. of Object in Driveway =	308.85 (ft)

SIGHT DISTANCE CALCULATIONS
(APPROACHING FROM NORTH)

Braking Distance Formula: $d_b = V^2 / (30(a/32.2) \pm g/100)$	
Stopping Sight Distance Formula: $SSD = 1.47Vt + \frac{V^2}{2a}$	
Posted Speed Limit =	30 mph
Design Speed Limit (V) =	30 mph
(85th Percentile)	40 mph
Deceleration Rate (a) =	11.2 ft/sec.
Approximate Grade (G) =	1 %
Perception/Reaction Time (t) =	2.5 sec.
Minimum Calculated	
Breaking Distance (d_b) =	150 (ft) design
Minimum Calculated	
Stopping Sight Distance (SSD) =	297 (ft) design
Approaching Ground Elev. =	305.00 (ft)
Approaching Driver's Eye =	3.5 (ft)
Approaching Eye Elev. =	308.50
Ground Elev. at Object in Driveway =	306.00 (ft)
Min. Height of Object in Driveway =	2.0 (ft)
Elev. of Object in Driveway =	308.00 (ft)

SIGHT DISTANCE CALCULATIONS
(APPROACHING FROM SOUTH)

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No.	Description	Revisions	Date
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PROJECT: SPCA OF WESTCHESTER 590 NORTH STATE ROAD TOWN OF OSSING WESTCHESTER COUNTY - NEW YORK			
SIGHT DISTANCE PLAN			
HEC		HUDSON ENGINEERING & CONSULTING, P.C. 45 Knollwood Road - Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086	
Date: 11/26/18 Scale: 1" = 20' Designed By: D.C. Checked By: M.S. Sheet No. 1		STATE OF NEW YORK MICHAEL STERN LICENSED PROFESSIONAL ENGINEER No. 60861	
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