



HUDSON
ENGINEERING
&
CONSULTING, P.C.

March 27, 2023
John Kellard, P.E.
Kellard Sessions Consulting, P.C.
500 Main Street
Armonk, NY 10504

Re: Bernardo Luciano (Massaro Court) – Lot Line Change
2, 4, 6 Massaro Court
Section 122.12, Block 3, Lots 8.1, 8.2, 8.3

Dear Mr. Kellard,

On behalf of the applicant, our office has reviewed your Memorandum dated March 10, 2023, and offers the following responses:

Comments:

- 1.) General Comments
 - a. The dwelling and driveway on Lot 3 have been repositioned to allow additional space to park and turn around to limit potential restrictions.
 - b. Additional pavement dimensions have been provided on sheet C-1 and a turning template has been provided on sheet C-4.
 - c. All the driveways have been widened to provide at least 9 feet of width for each external parking space.
 - d. Comment noted. Agreements will be developed and filed as necessary for driveway and utility easements.
- 2.) Grading
 - a. Wall details will be provided alongside individual site plans for each lot by a structural engineer.
 - b. The note has been added to sheet C-2.
 - c. Protection barriers have been indicated along the tops of walls where vehicles will be parked or maneuvering on sheet C-2.
 - d. Driveway profiles have been provided on sheet C-5.



- e. The elevations have been revised so the first floor is one foot above garage floor with a basement below.
- 3.) Utilities
- a. The water service location has been adjusted for Lot 3. We are looking into existing sewer services laterals that may have been extended to each individual lot. The plans will be updated as necessary if information is found.
 - b. Our office is looking into the sewer services. Crossings will be provided once existing service paths are confirmed.
- 4.) Storm Drainage
- a. Comment noted. Areas have been updated in the zoning table per site plan changes. The total area of proposed impervious (15,267 s.f.) is still below the approved 18,086 s.f.
 - b. The trench drain has been relocated.
 - c. Addressed as follows:
 - i. Full size basins have been utilized and details provided.
 - ii. Relocated basins to straight run of driveway.
 - iii. Provided an additional trench drain to serve the driveway of lots 2 and 3.
- 5.) Erosion and Sediment Controls
- a. Additional silt fence has been provided along the full down-slope length of Lot 1 and west side of Lot 3.
 - b. Additional inlet protection is called out for the existing drainage structures down gradient of proposed improvements.
- 6.) Construction Details
- a. Additional details have been provided on sheet C-3 for the driveway section and water service. Retaining wall details will be provided by a structural engineer when the individual site plans are presented.



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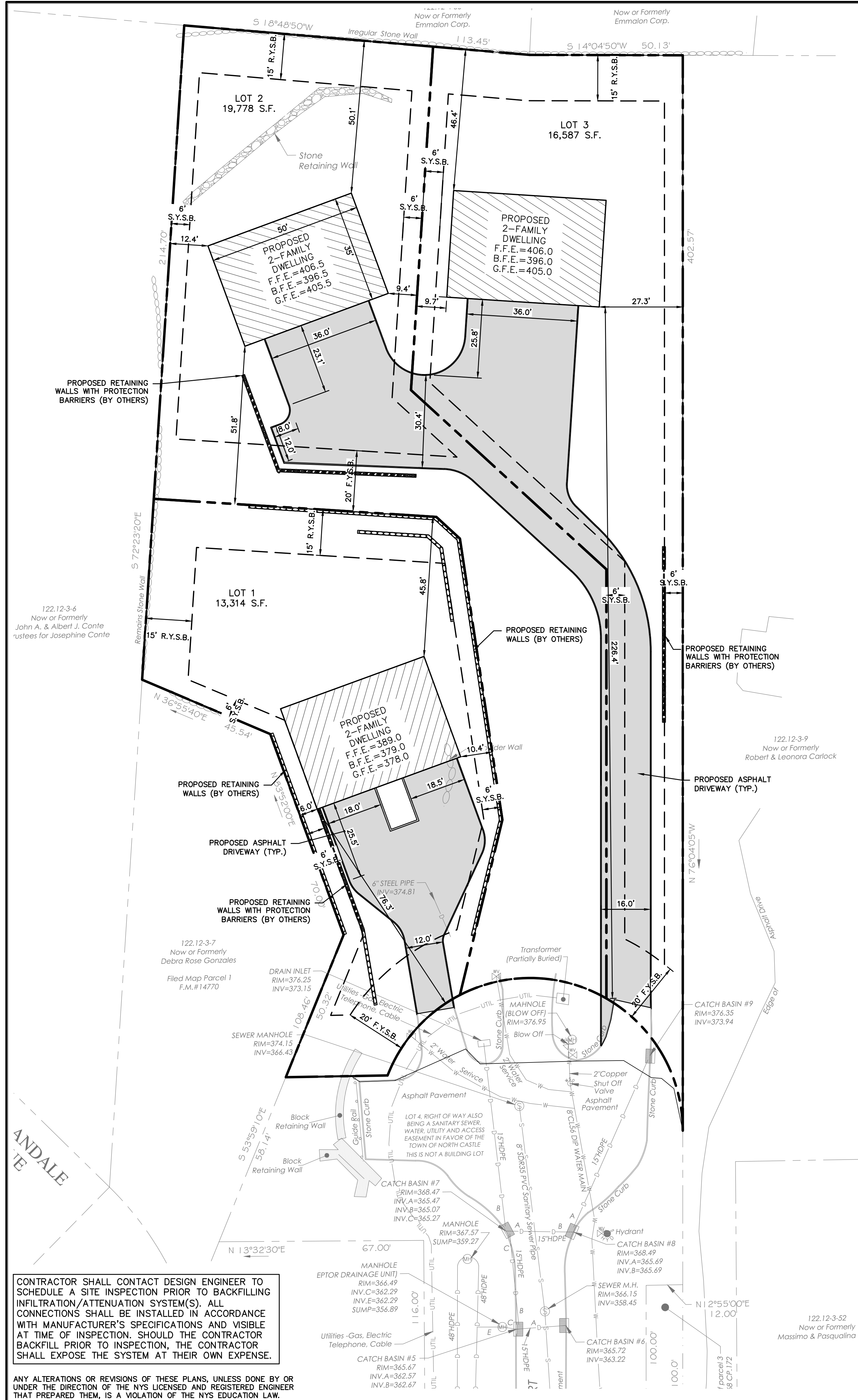
- b. Per the original subdivision approval, footing drains are to be directed into the drainage lines. Sheet C-3 has been revised to call out footing drains directed into the drainage lines.
- 7.) Permitting
 - a. Comment noted.
 - b. Comment noted. We are looking into the matter.

We respectfully request that you review the enclosed submittal. If you should have any additional questions or comments, please do not hesitate to contact our office at (914) 909-0420, or via email at Ubadah@hudsonec.com.

Thank you.

Sincerely,

Ubadah Abdullah
Project Engineer



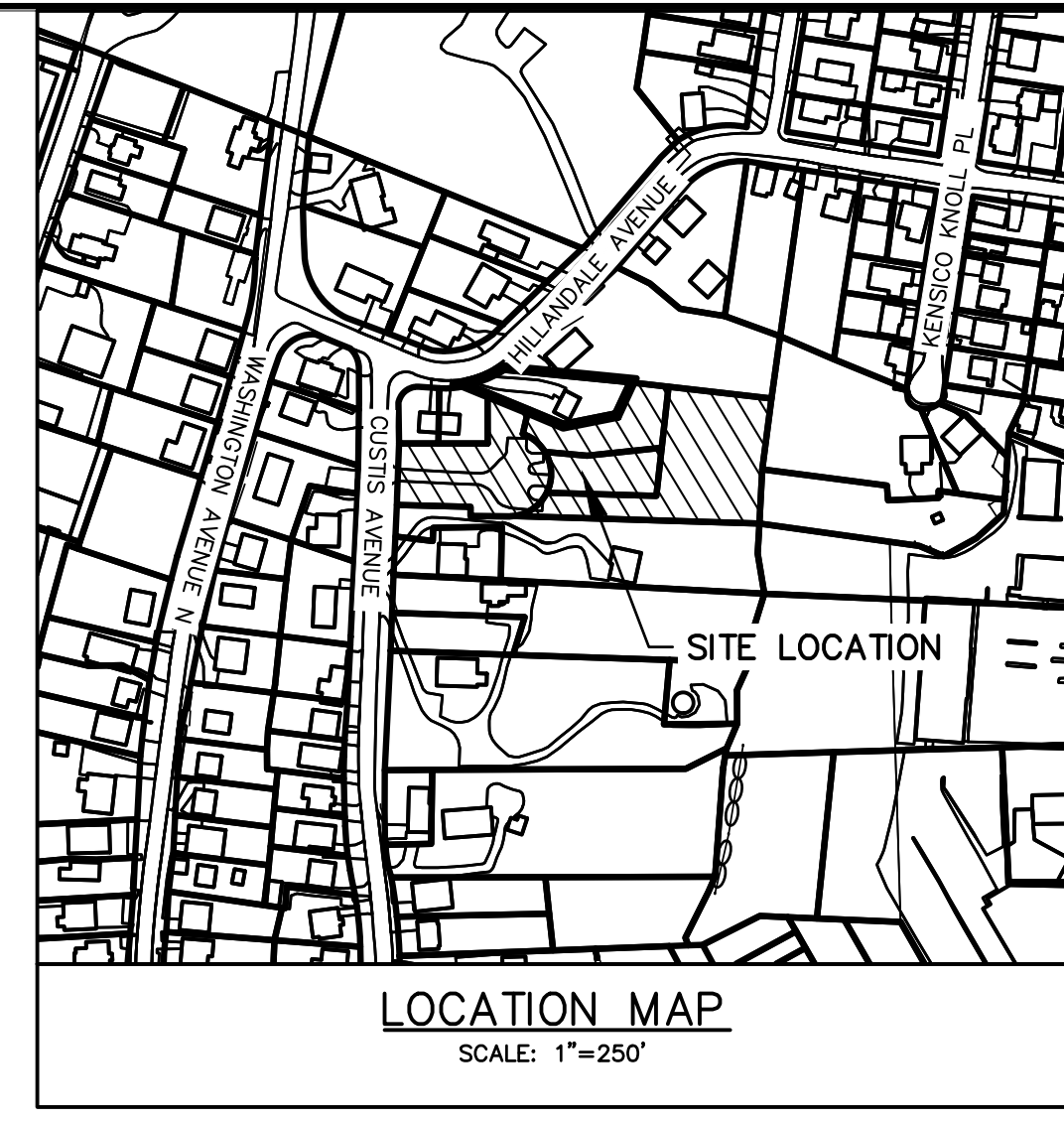
ZONING ANALYSIS TABLE

SECTION: 122.12
BLOCK: 3
LOT: 8.2 (Lot 1)

REGULATION	DISTRICT: R-2F	
	Required/Allowed	Existing
Min. Lot Area (s.f.)	5,000	13,314
Net Lot Area (s.f.)	-	6,784.5
Min. Lot Depth (ft.)	100.00	166.1
Min. Lot Width (ft.)	50	73.7
Min. Lot Frontage (ft.)	50	69.5
Min. Yards		
- Front (ft.)	20	76.3
- Side 1(ft.)	6	6.0
- Side 2(ft.)	6	10.4
- Rear (ft.)	15	45.8
Height		
- Feet	30	30
- Stories	2.5	2.5
Max Imperv. Coverage (sf)	6,557.2	4,054.0
Max. Bldg. Coverage (%)	30.0%	13.1%
Steep Slopes: 25%+(sf)	-	8,706
Wetlands (sf)	-	0
*Max Imp. Cover w/ Net Lot Area =	4357.2	

APPROXIMATE TOTAL IMPERVIOUS AREA FROM SUBDIVISION APPROVAL DATED NOVEMBER 10, 2009 IS 18,086 S.F.

TOTAL PROPOSED IMPERVIOUS AREA IS 14,069 S.F.



ZONING ANALYSIS TABLE

SECTION: 122.12
BLOCK: 3
LOT: 8.3 (Lot 2)

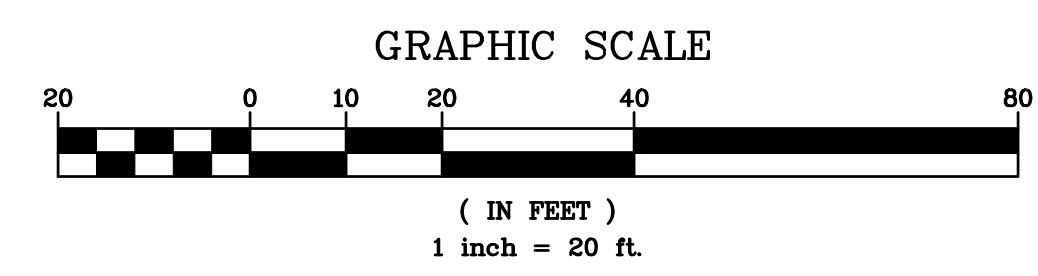
REGULATION	DISTRICT: R-2F	
	Required/Allowed	Existing
Min. Lot Area (s.f.)	5,000	19,778
Net Lot Area (s.f.)	-	11,030.8
Min. Lot Depth (ft.)	100.00	154.5
Min. Lot Width (ft.)	50	64.0
Min. Lot Frontage (ft.)	50	50.0
Min. Yards		
- Front (ft.)	20	51.8
- Side 1(ft.)	6	9.4
- Side 2(ft.)	6	12.4
- Rear (ft.)	15	50.1
Height		
- Feet	30	30
- Stories	2.5	2.5
Max Imperv. Coverage (sf)	7,893.1	4,863.0
Max. Bldg. Coverage (%)	30.0%	8.8%
Steep Slopes: 25%+(sf)	-	11,663
Wetlands (sf)	-	0
*Max Imp. Cover w/ Net Lot Area =	5627.2	

ZONING ANALYSIS TABLE

SECTION: 122.12
BLOCK: 3
LOT: 8.1 (Lot 3)

REGULATION	DISTRICT: R-2F	
	Required/Allowed	Existing
Min. Lot Area (s.f.)	5,000	16,587
Net Lot Area (s.f.)	-	11,787.0
Min. Lot Depth (ft.)	100.00	332.2
Min. Lot Width (ft.)	50	51.8
Min. Lot Frontage (ft.)	50	52.3
Min. Yards		
- Front (ft.)	20	226.4
- Side 1(ft.)	6	9.7
- Side 2(ft.)	6	27.3
- Rear (ft.)	15	46.4
Height		
- Feet	30	30
- Stories	2.5	2.5
Max Imperv. Coverage (sf)	8,745.1	6,350.0
Max. Bldg. Coverage (%)	30.0%	10.6%
Steep Slopes: 25%+(sf)	-	6,400
Wetlands (sf)	-	0
*Max Imp. Cover w/ Net Lot Area =	7600.1	

EXISTING INFORMATION SHOWN HEREON PROVIDED BY TC MERRITT'S LAND SURVEYORS DATED MAY 19, 2022



CONTRACTOR SHALL CONTACT DESIGN ENGINEER TO SCHEDULE A SITE INSPECTION PRIOR TO BACKFILLING INFILTRATION/ATTENUATION SYSTEM(S). ALL CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND VISIBLE AT TIME OF INSPECTION. SHOULD THE CONTRACTOR BACKFILL PRIOR TO INSPECTION, THE CONTRACTOR SHALL EXPOSE THE SYSTEM AT THEIR OWN EXPENSE.

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.

PROJECT: PROPOSED LOT LINE ADJUSTMENT MASSARO COURT TOWN OF NORTH CASTLE WESTCHESTER COUNTY – NEW YORK

SUBDIVISION/ZONING PLAN

HEC ENGINEERING CONSULTING, P.C.
45 Knollwood Road, Suite 201
Elmsford, New York 10523
T: 914-909-0420
F: 914-560-2086 © 2023

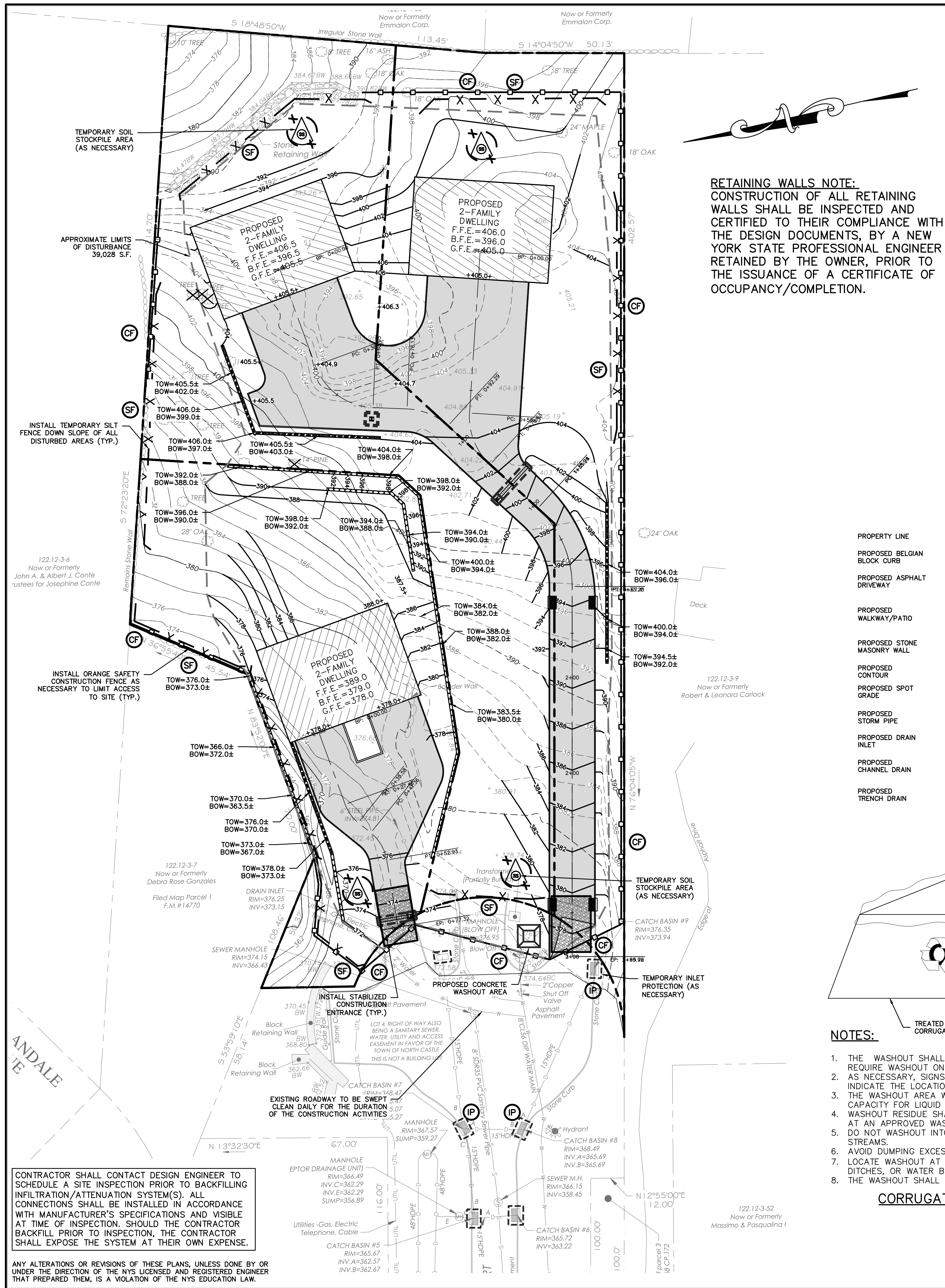
REVISIONS: 03/27/23 1
1 REVISION PER TOWN CONSULTANT'S COMMENTS 03/27/23 1

THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE

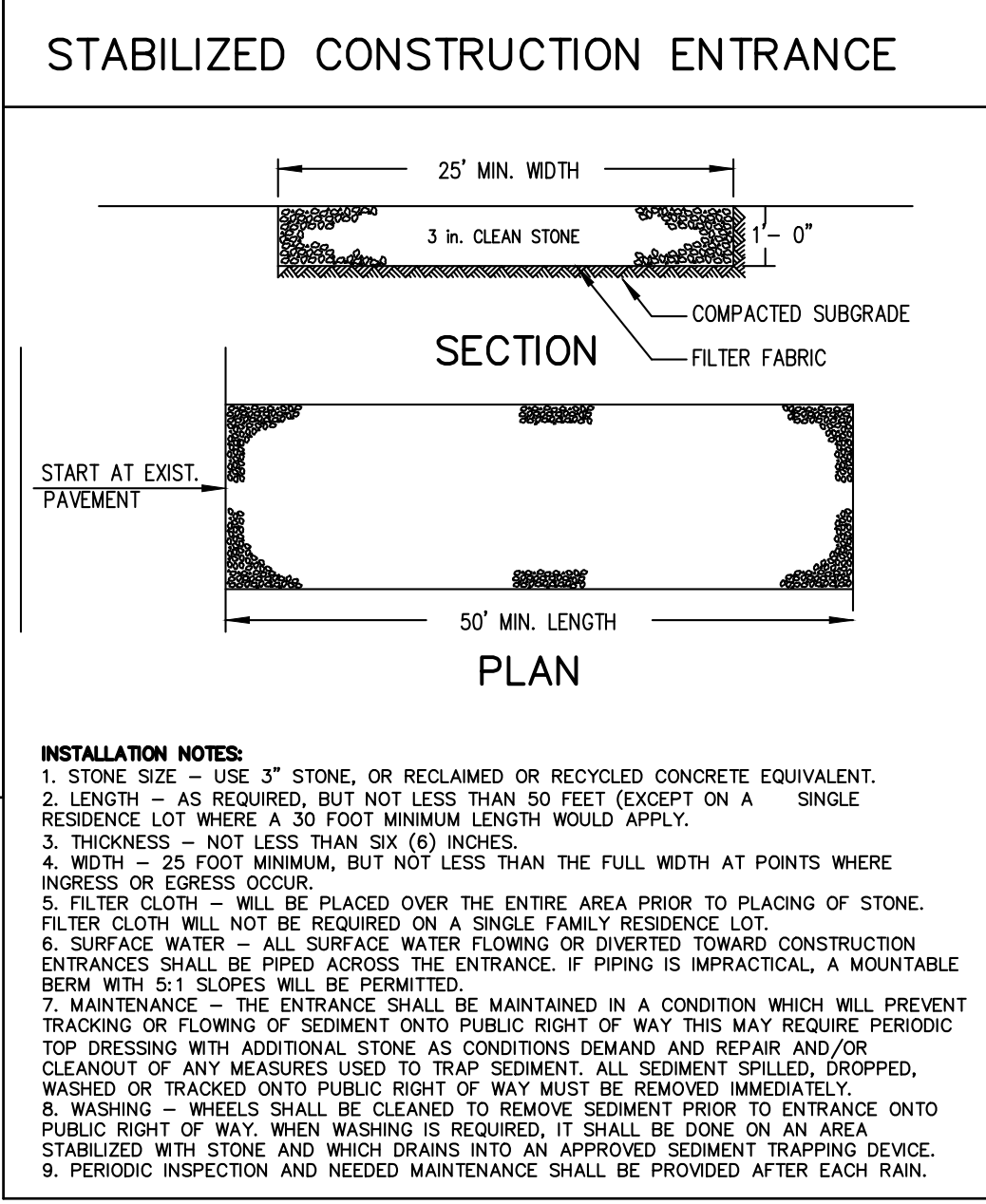
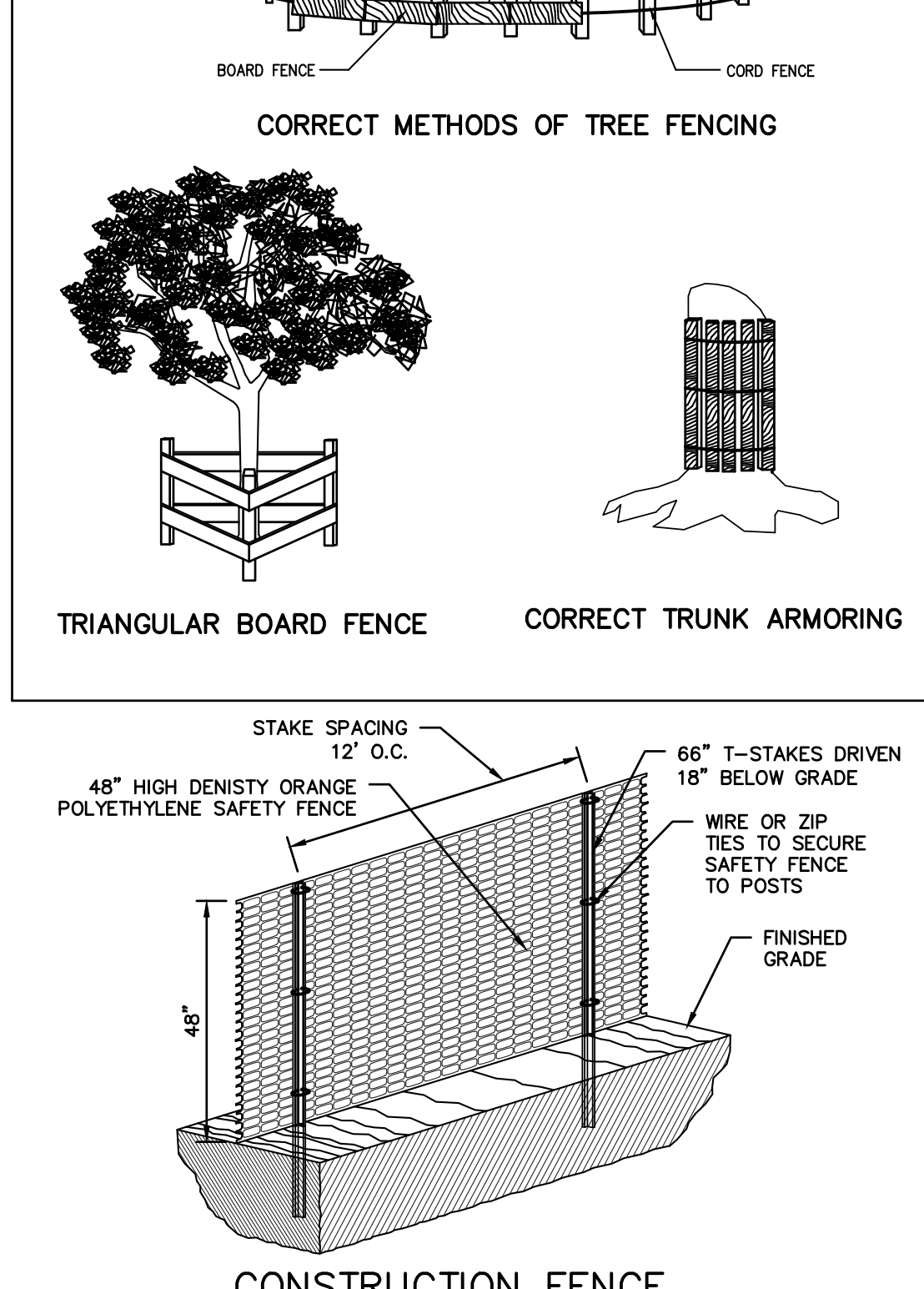
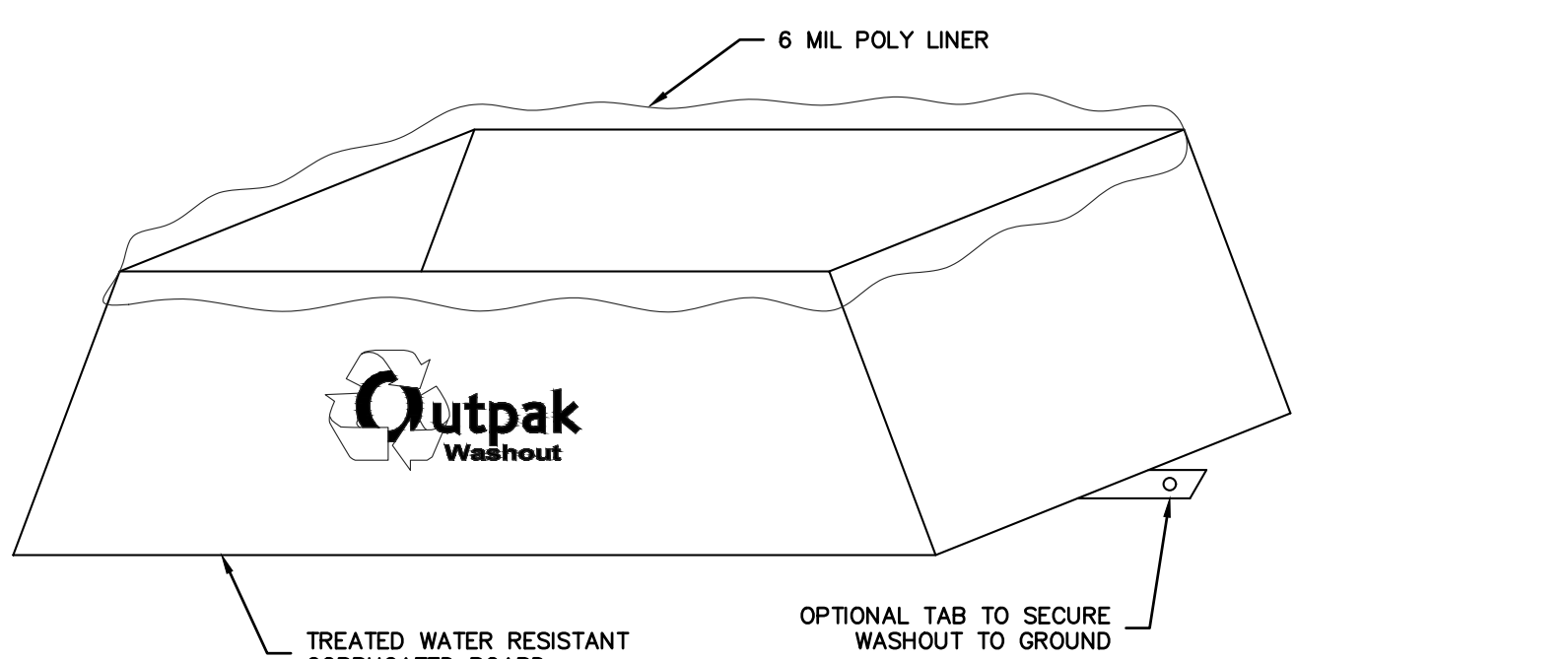
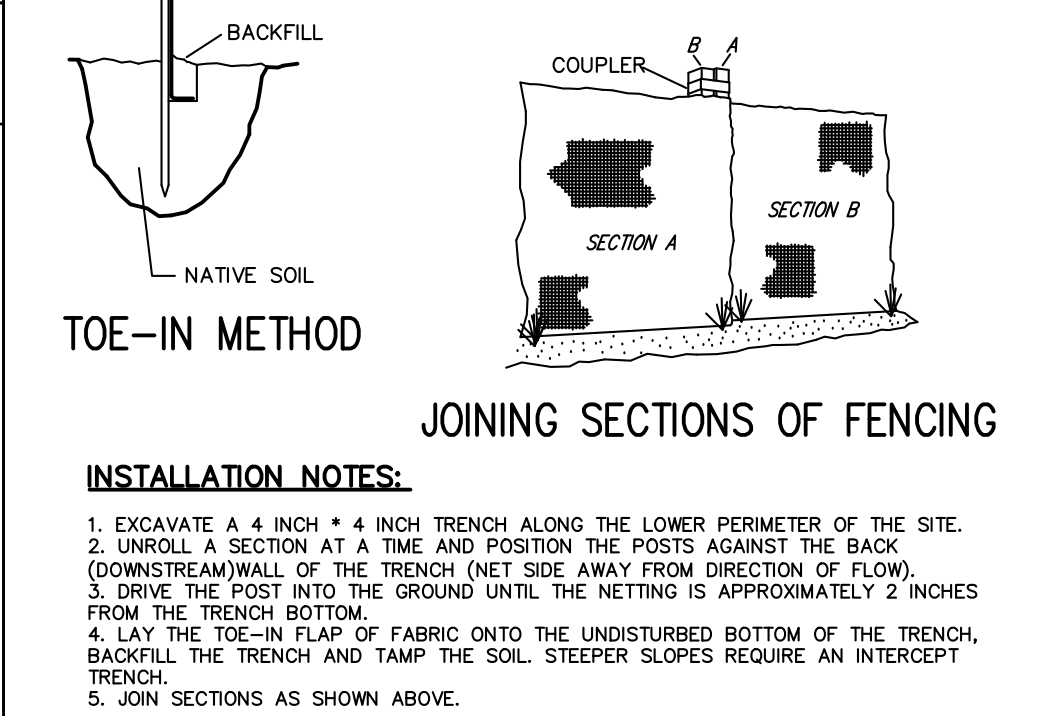
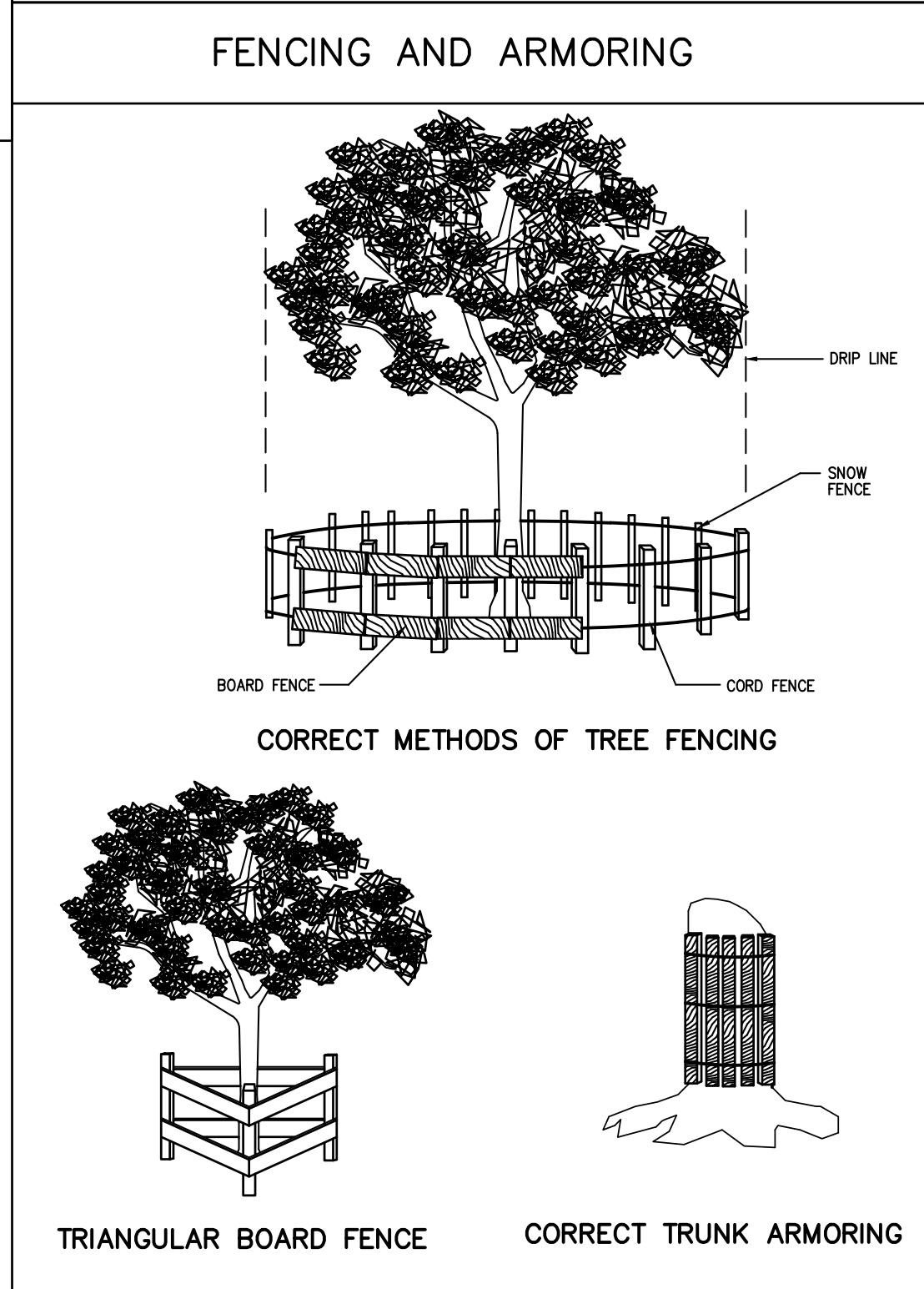
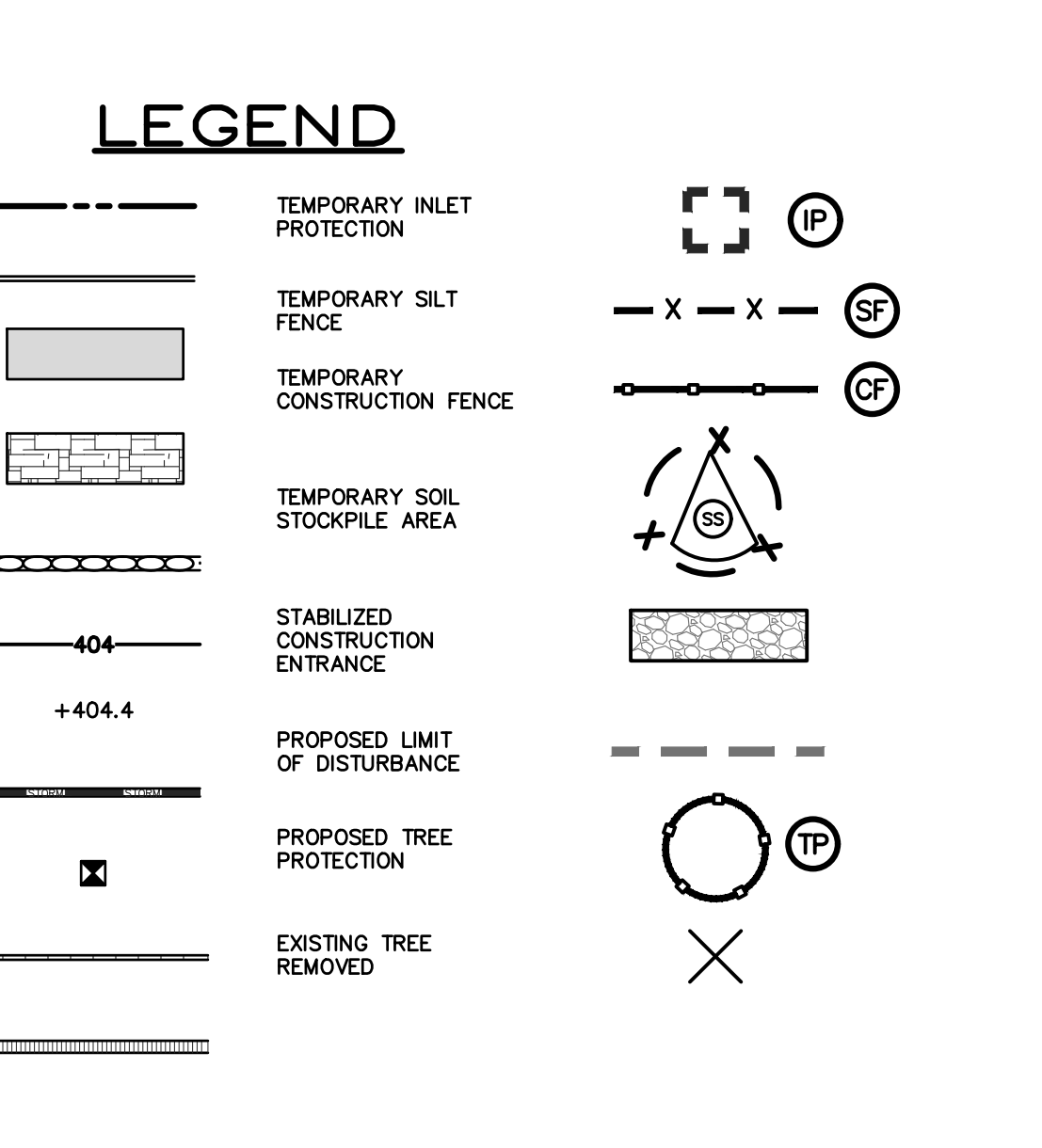
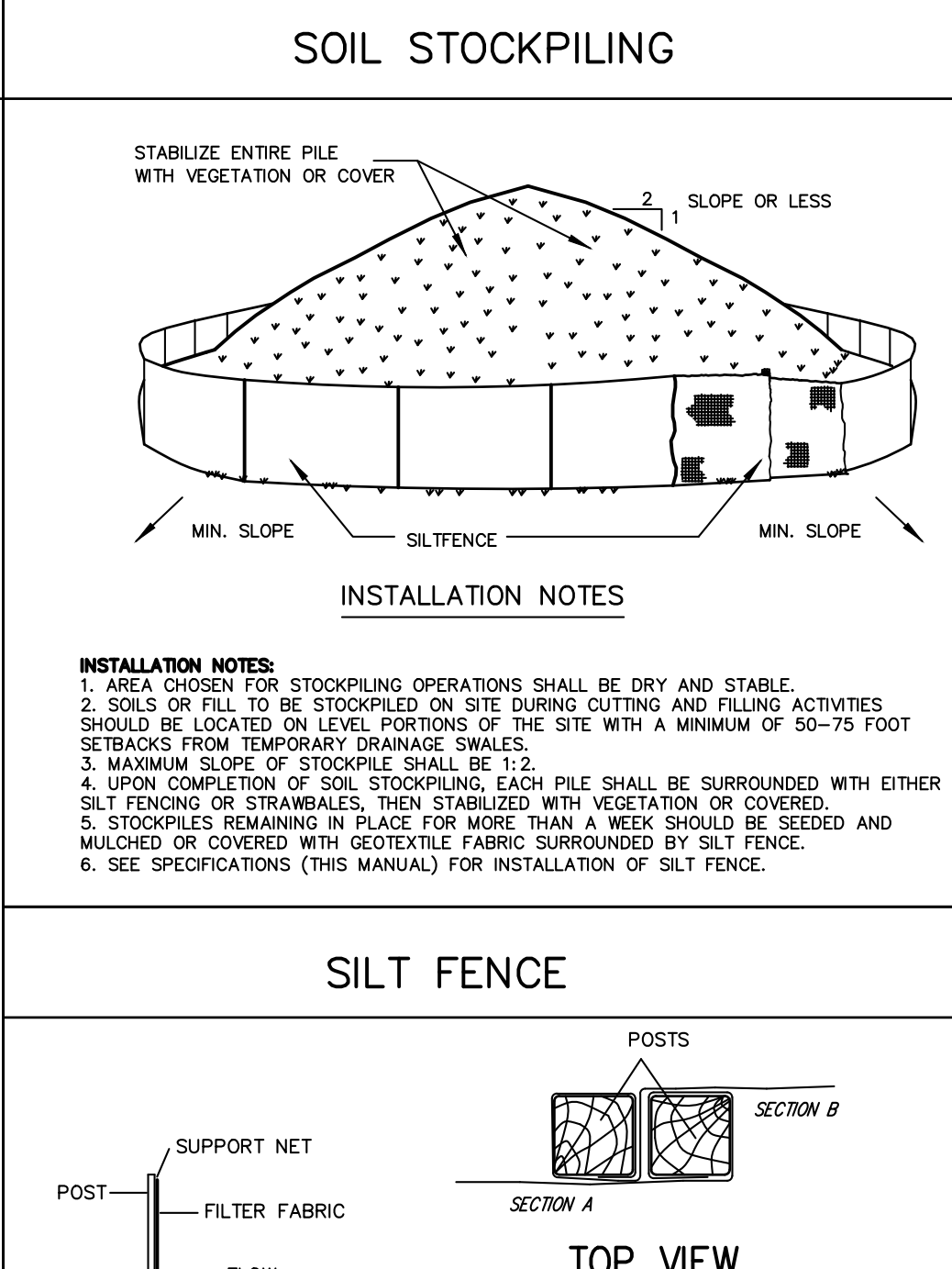
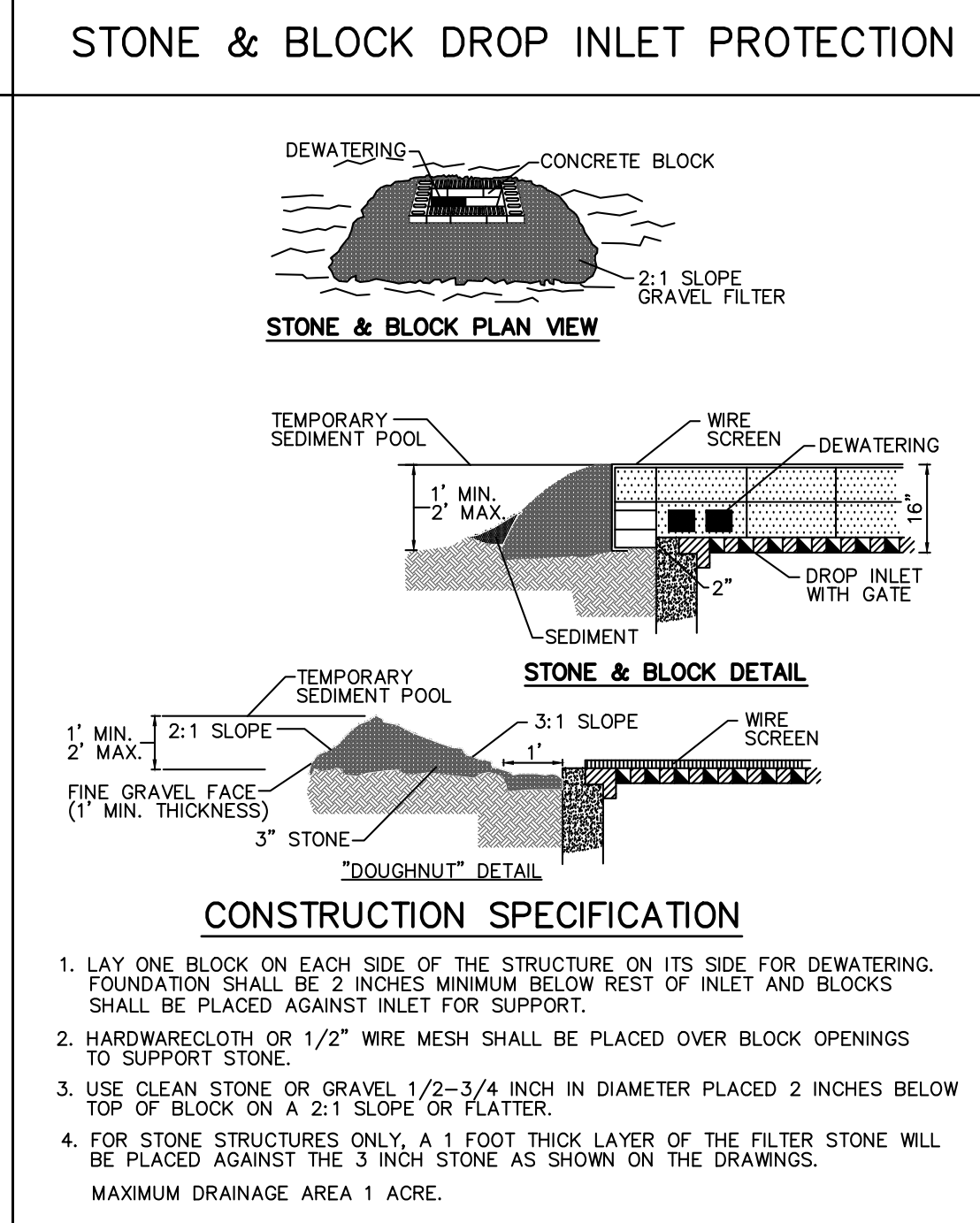
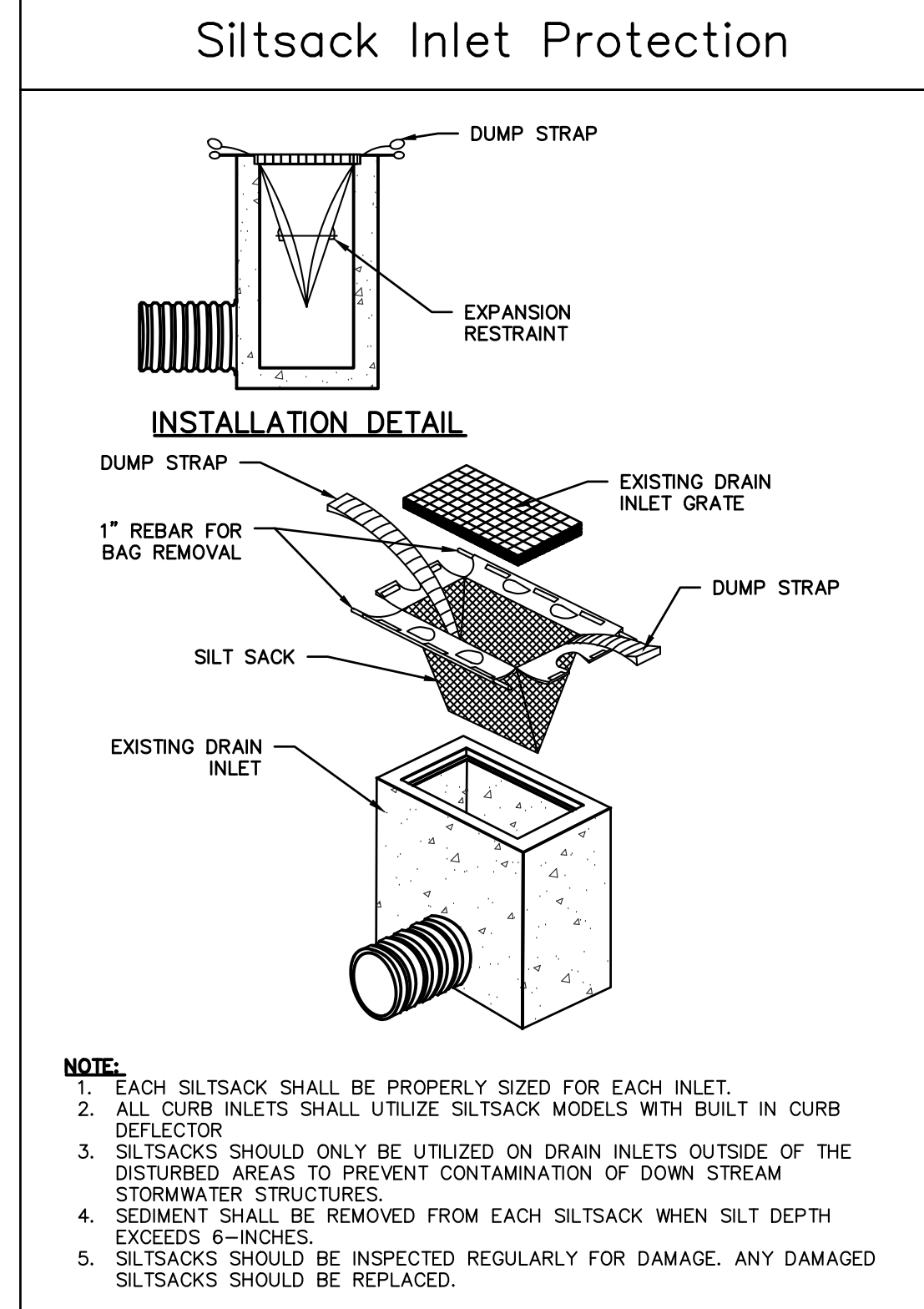
STATE OF NEW YORK
MICHAEL P. STERN
LICENSED PROFESSIONAL ENGINEER
No. 80651

Date: 02/27/23
Scale: 1" = 20'
Designed By: U.A.
Checked By: M.S.
Sheet No. 5

C-1



RETAINING WALLS NOTE:
 CONSTRUCTION OF ALL RETAINING WALLS SHALL BE INSPECTED AND CERTIFIED TO THEIR COMPLIANCE WITH THE DESIGN DOCUMENTS, BY A NEW YORK STATE PROFESSIONAL ENGINEER RETAINED BY THE OWNER, PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY/COMPLETION.

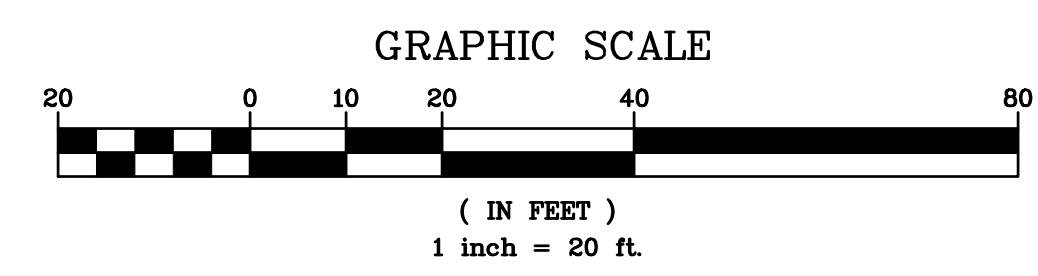


CONTRACTOR SHALL CONTACT DESIGN ENGINEER TO SCHEDULE A SITE INSPECTION PRIOR TO BACKFILLING INFILTRATION/ATTENUATION SYSTEM(S). ALL CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND VISIBLE AT TIME OF INSPECTION. SHOULD THE CONTRACTOR BACKFILL PRIOR TO INSPECTION, THE CONTRACTOR SHALL EXPOSE THE SYSTEM AT THEIR OWN EXPENSE.

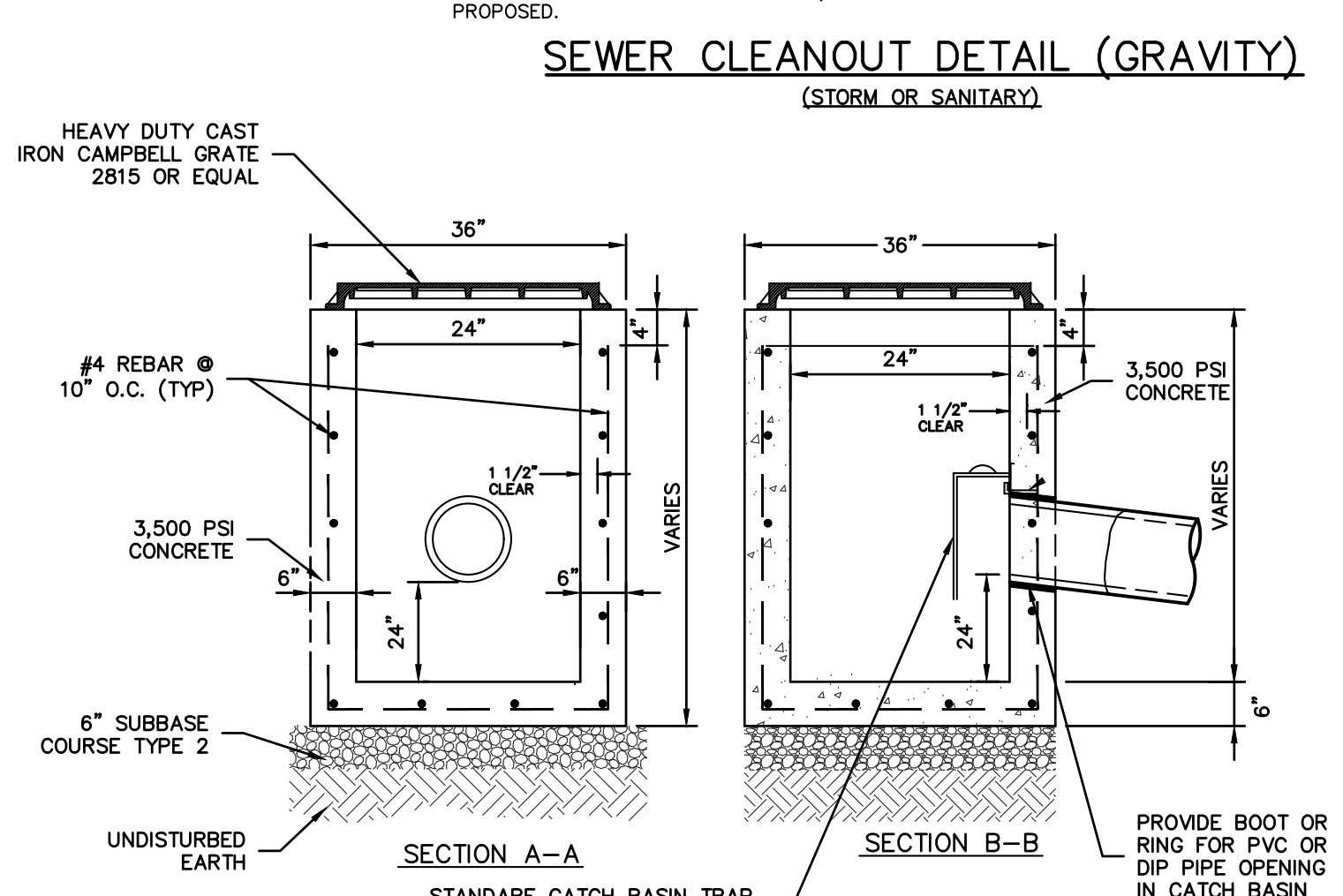
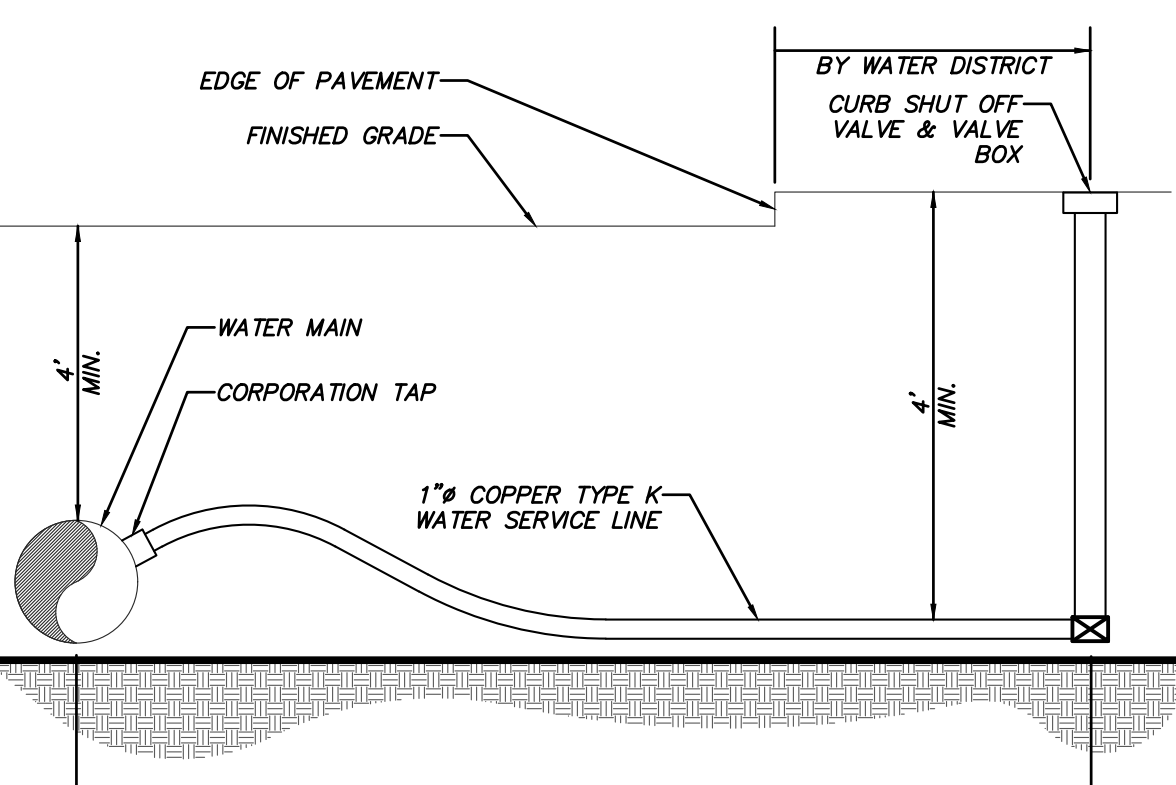
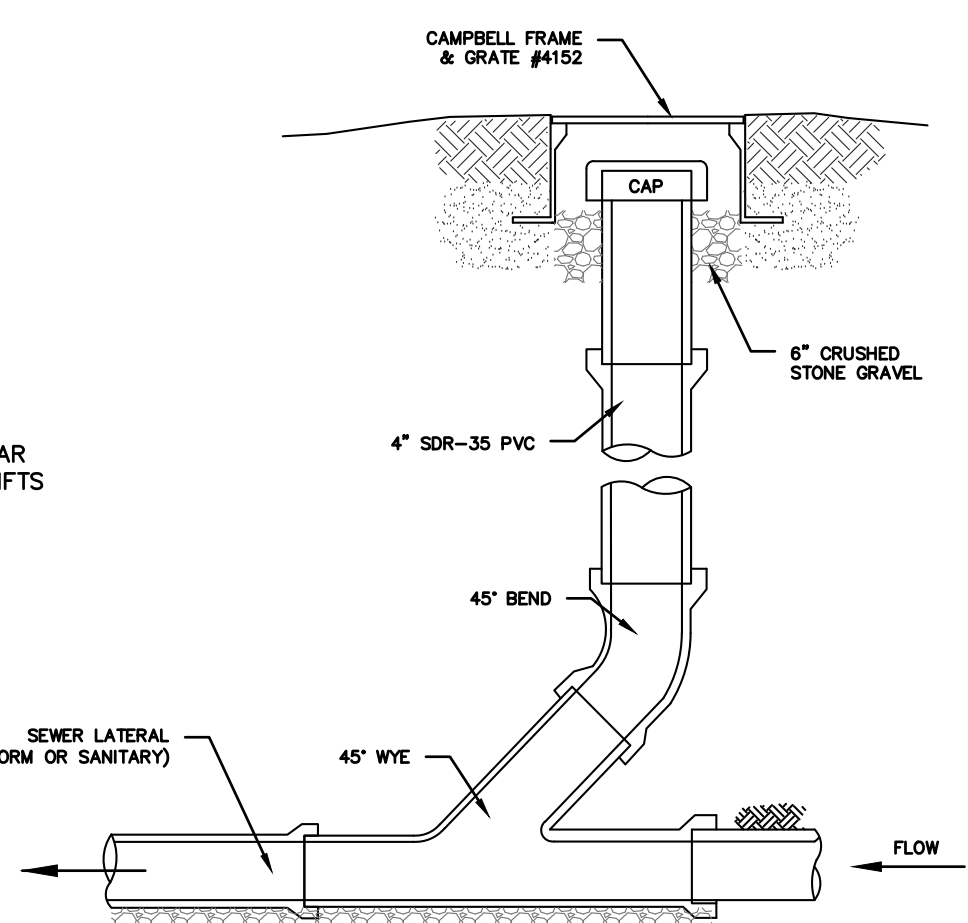
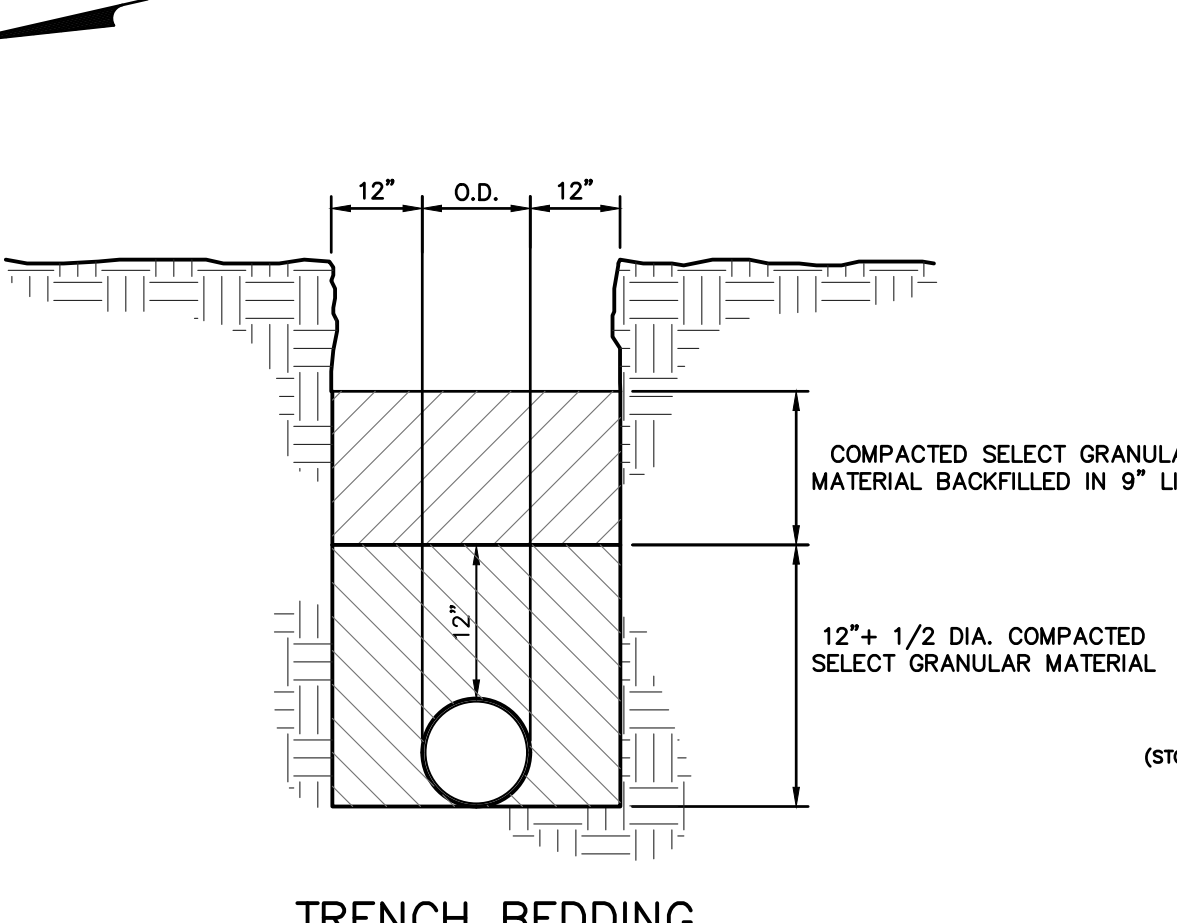
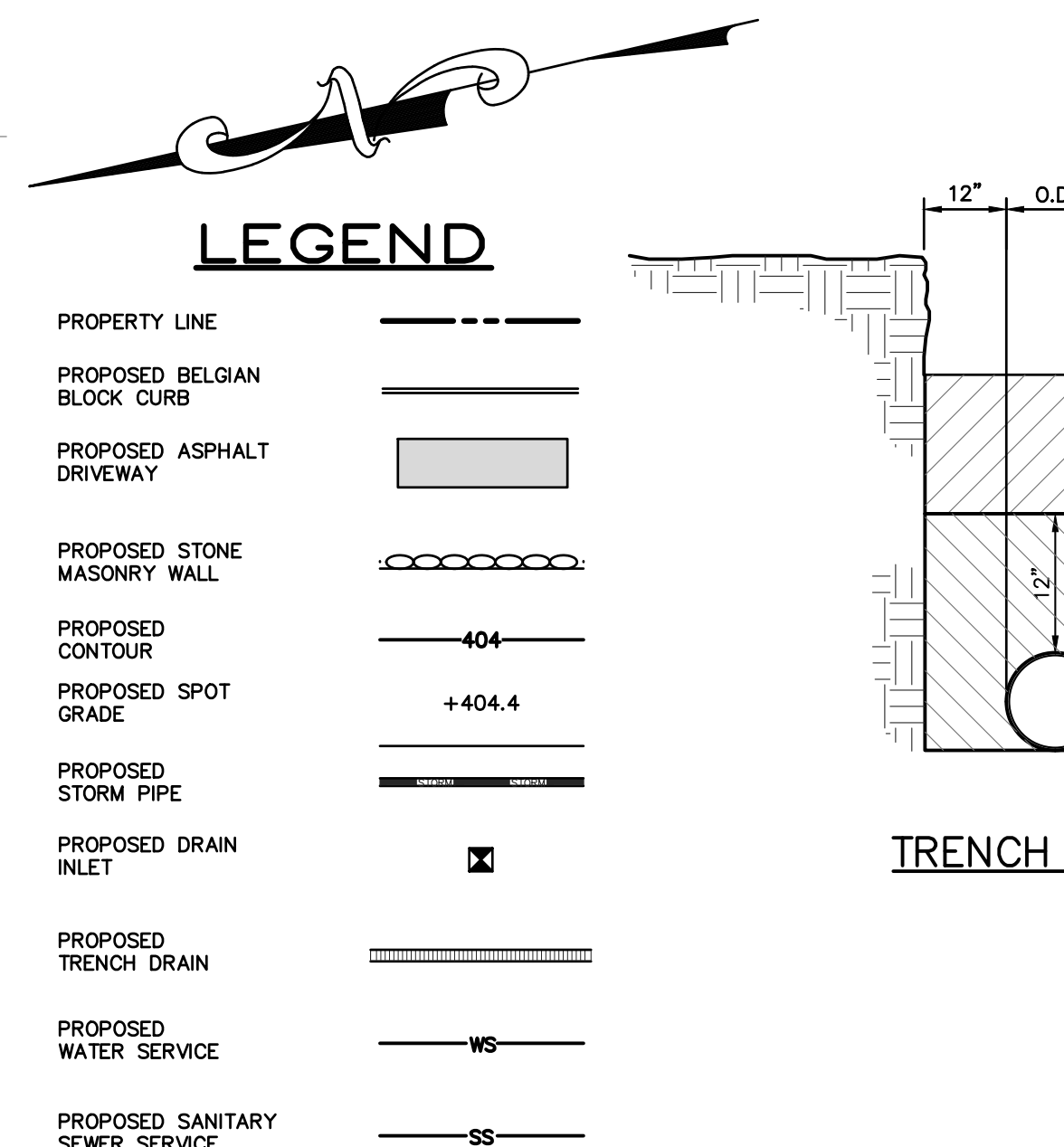
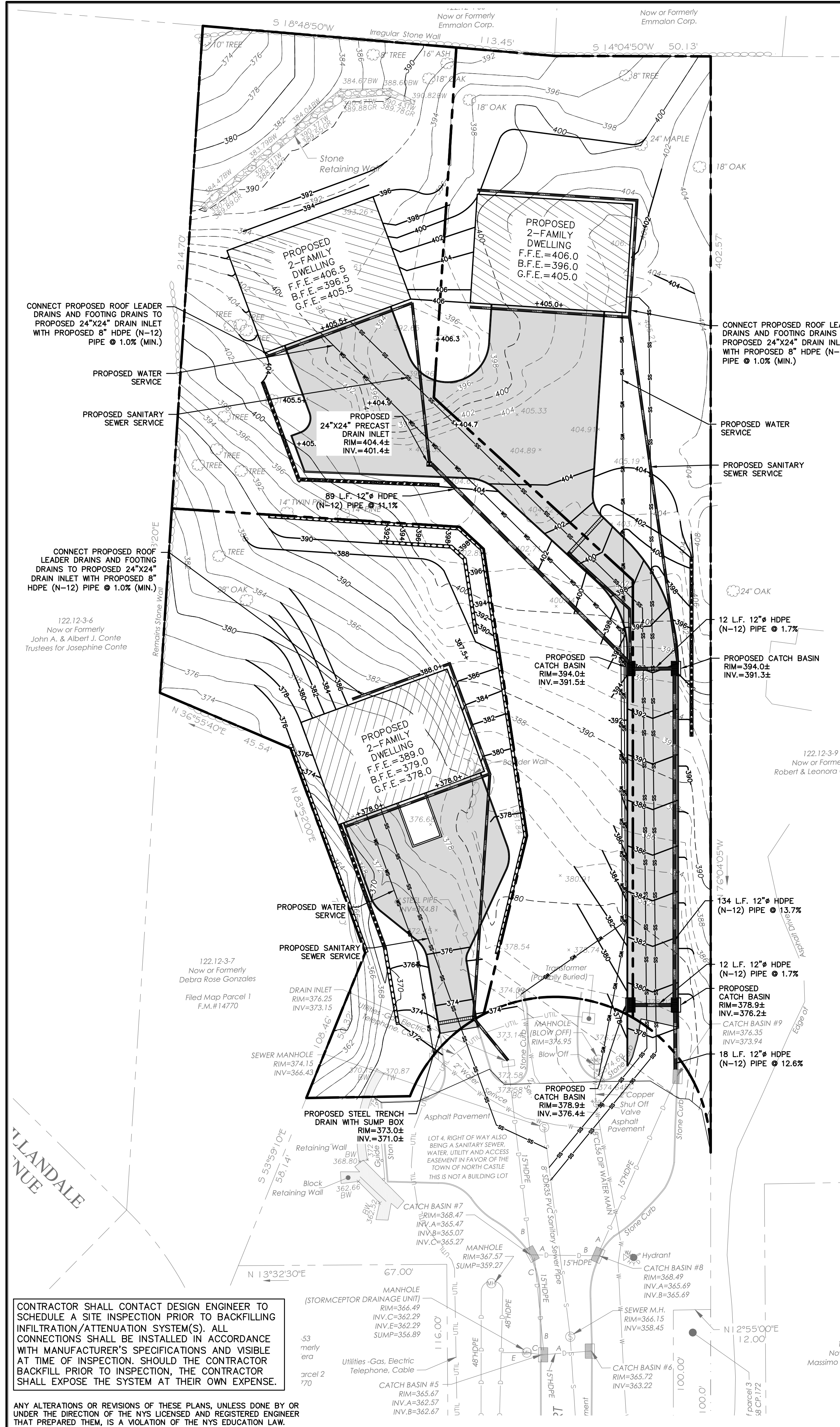
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CORRUGATED CONCRETE WASHOUT

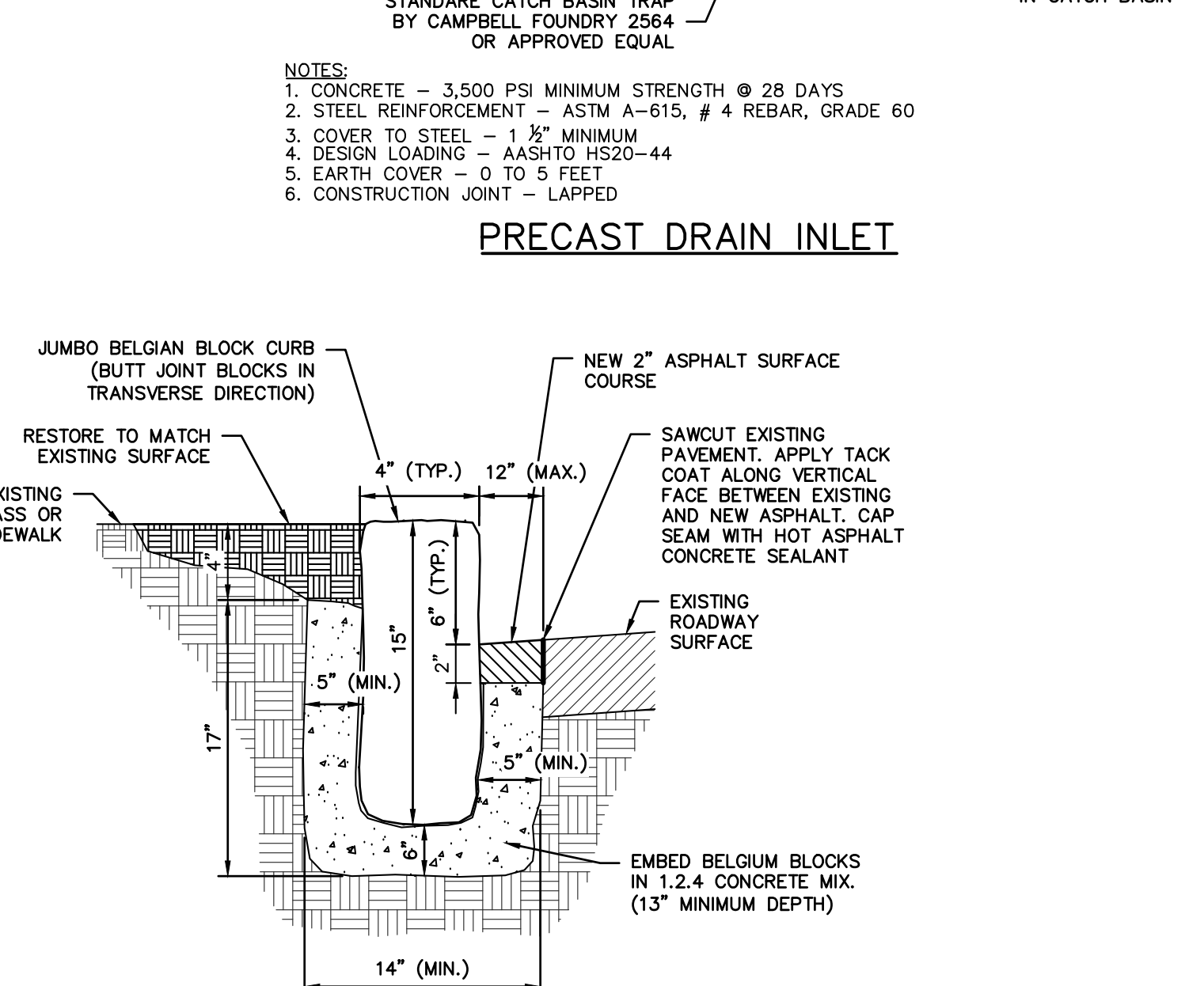
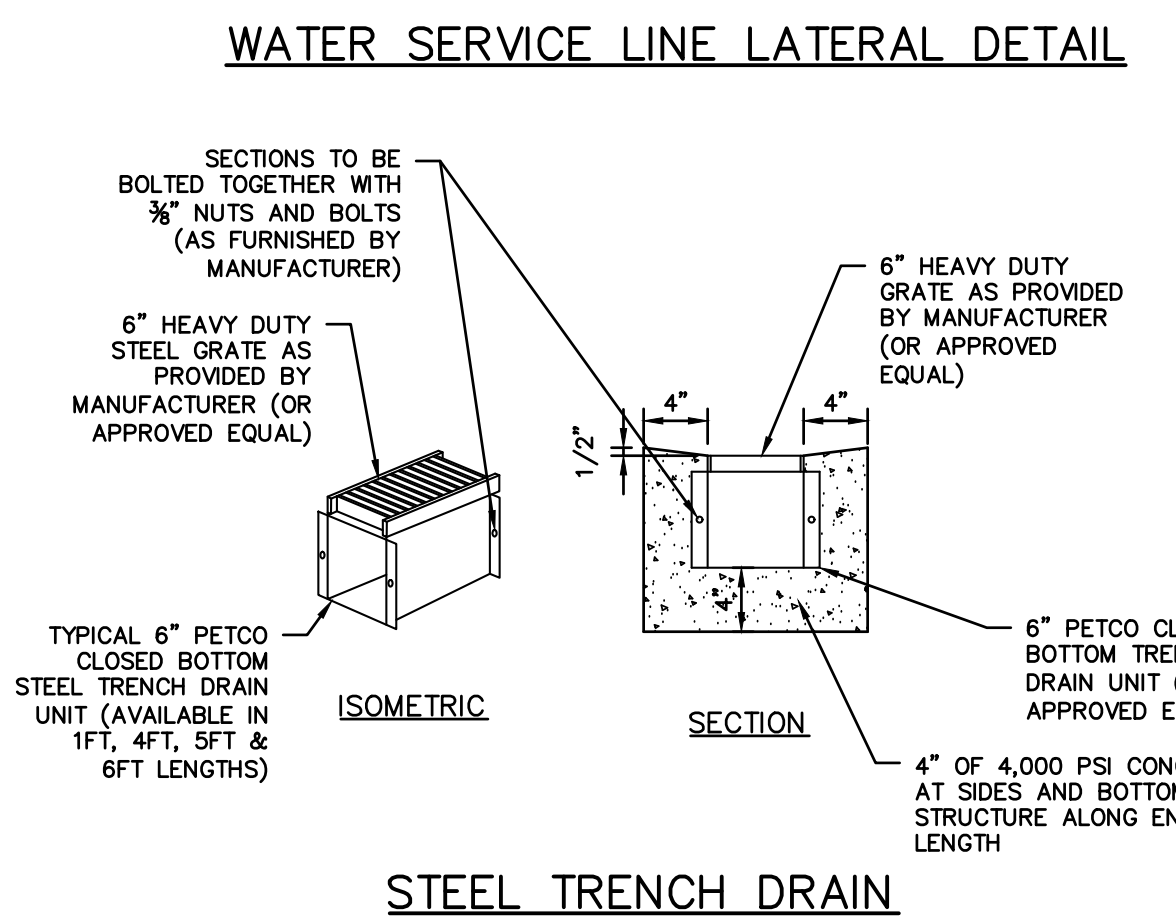
EXISTING INFORMATION SHOWN HEREON PROVIDED BY TC MERRITTS LAND SURVEYORS DATED MAY 19, 2022



PROJECT: PROPOSED LOT LINE ADJUSTMENT MASSARO COURT TOWN OF NORTH CASTLE WESTCHESTER COUNTY - NEW YORK	
GRADING AND SEDIMENT & EROSION CONTROL PLAN	Date: 02/27/23 Sheet: 2 of 2 Scale: 1" = 20' Designed By: U.A. Checked By: M.S. Sheet No. 5
	C-2

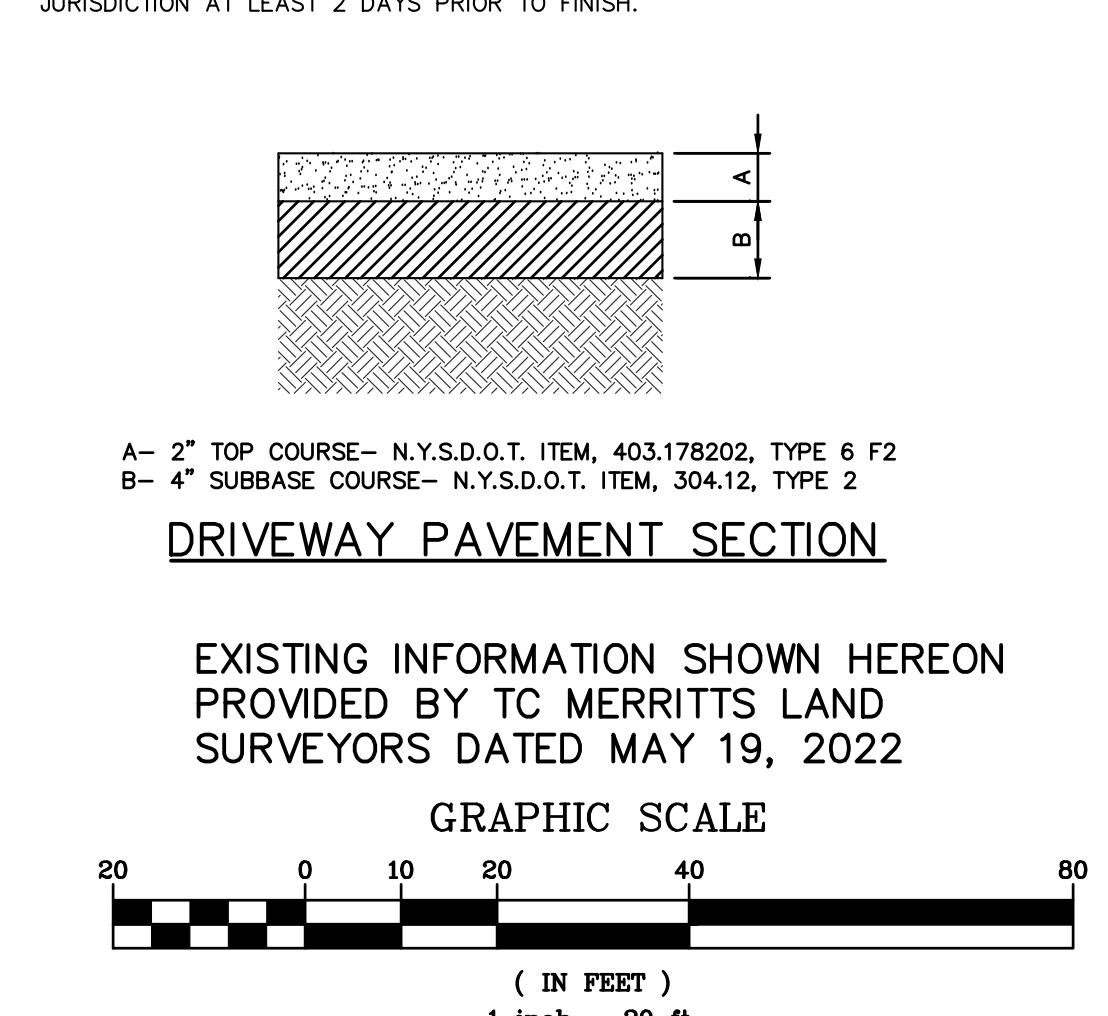
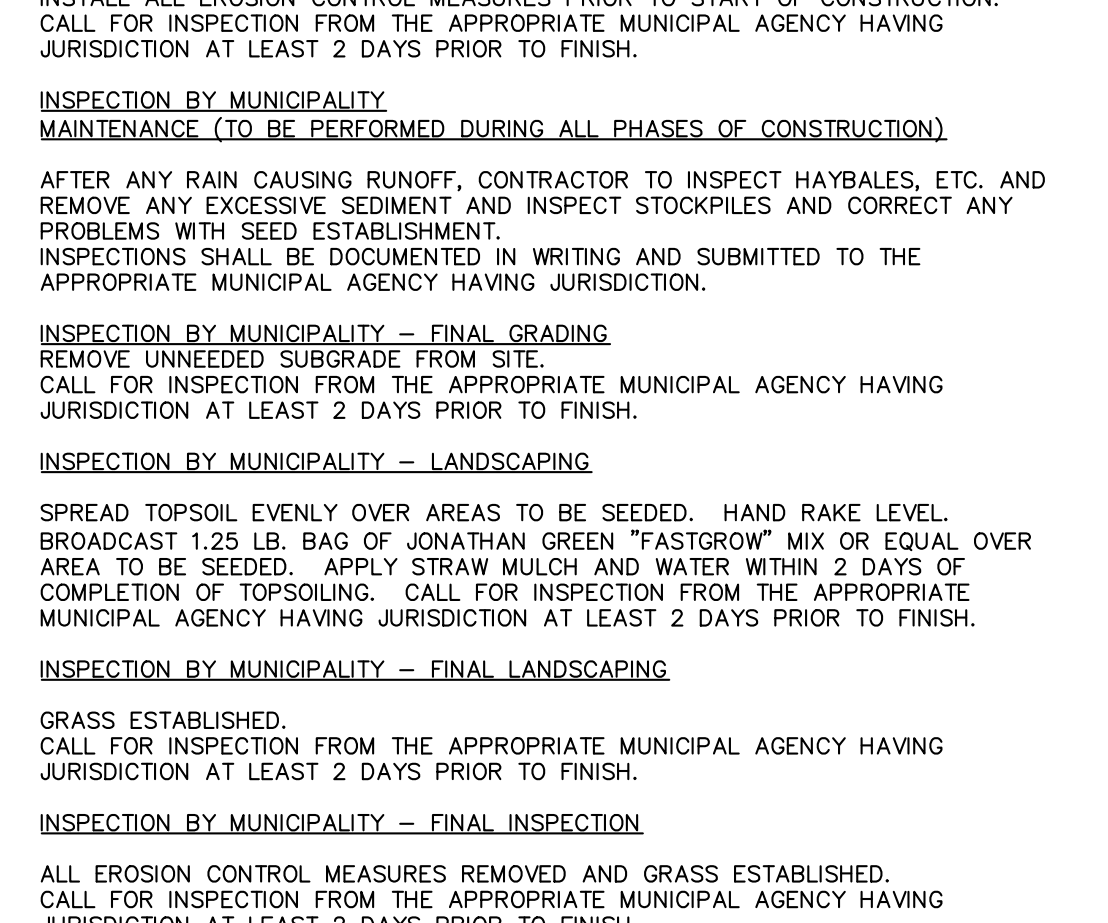


- ### NOTES:
- WATER DISTRICT TO FURNISH AND INSTALL CORPORATION TAP, SERVICE LINE, AND CURB SHUT OFF VALVE AND VALVE BOX.
 - CONTRACTOR TO EXCAVATE, MAINTAIN, BACKFILL, AND RESTORE TRENCH FOR THE TAP, SERVICE LINE, AND CURB SHUT OFF VALVE.
 - CONTRACTOR TO TAKE OUT PERMIT, PAY FEE, AND TO FOLLOW ALL RULES AND REGULATIONS OF THE LOCAL UTILITY AGENCY.



- ### GENERAL NOTES:
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUPERVISION OF THE CONSTRUCTION.
 - NO CHANGES BE MADE TO THESE PLANS EXCEPT AS PER NYS LAW CHAPTER 987.
 - ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO A.C.I., A.I.C.C., ZONING, AND THE NEW YORK STATE BUILDING CODE.
 - ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - FINAL GRADING AROUND THE BUILDING AREA SHALL SLOPE AWAY FROM THE STRUCTURE.
 - ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
 - 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 AND 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.
 - 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 CG2010 1185 UNDER CL. COPIES OF THE INSURANCE POLICIES SHALL BE SUBMITTED TO HUDSON ENGINEERING & CONSULTING, P.C., FOR APPROVAL PRIOR TO THE SIGNING OF THE CONTRACT.
 - 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.

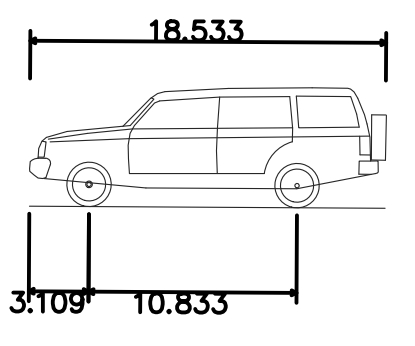
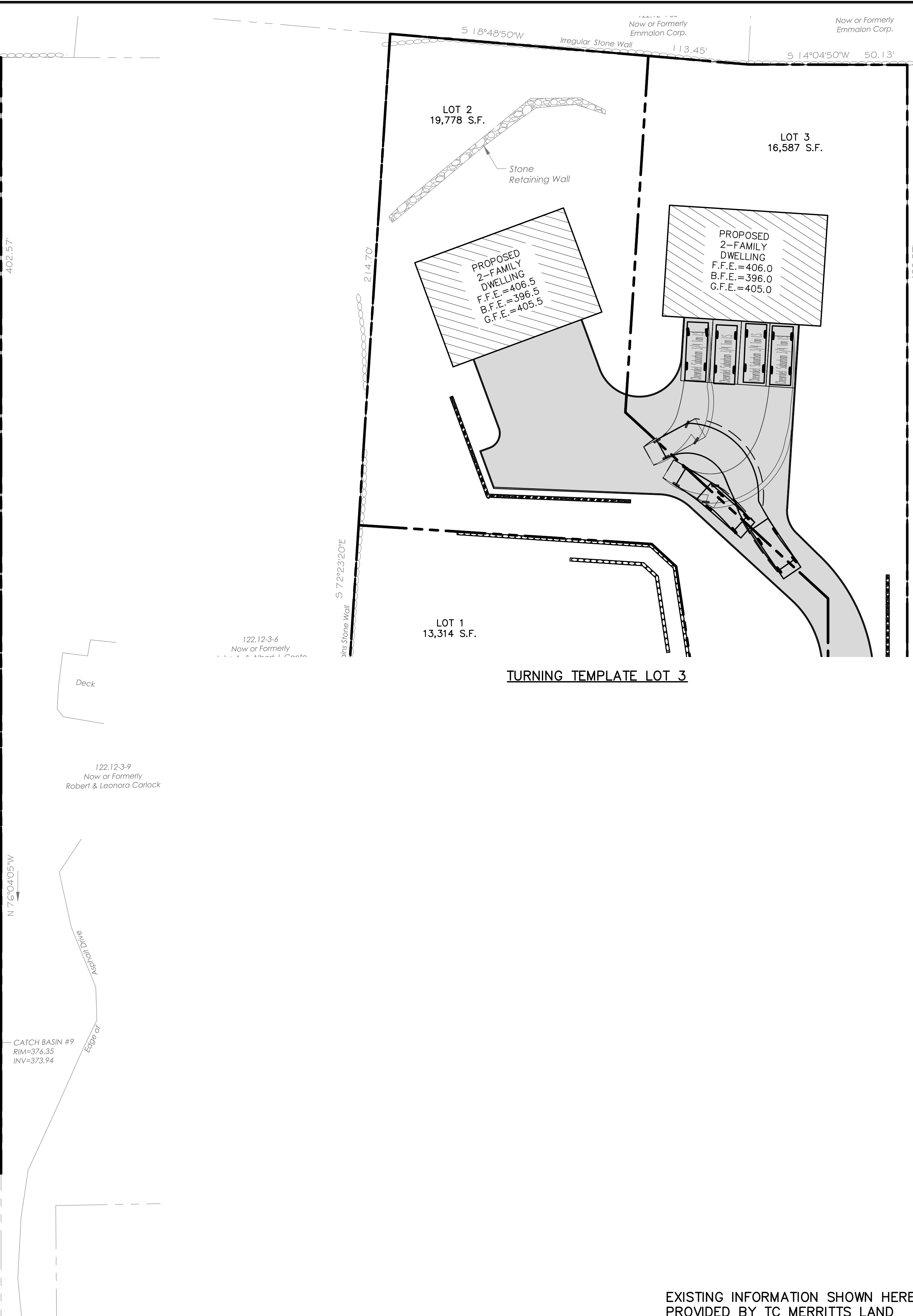
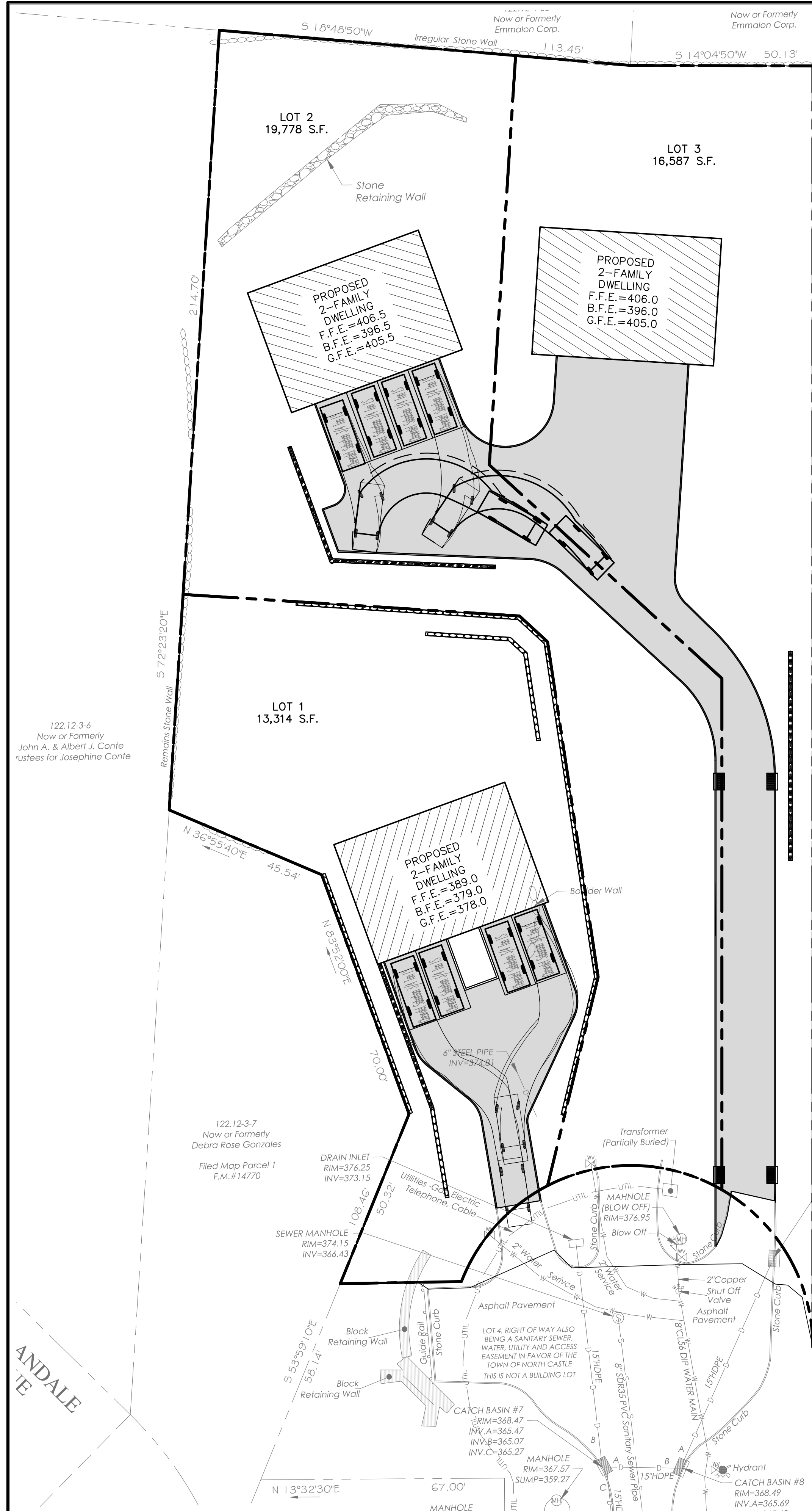
- ### INSTALLATION & MAINTENANCE OF EROSION CONTROL:
- CONSTRUCTION SCHEDULE
NOTIFY APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 5 DAYS PRIOR TO START.
- EROSION CONTROL MEASURES
INSTALL ALL EROSION CONTROL MEASURES PRIOR TO START OF CONSTRUCTION. CALL FOR INSPECTION FROM THE APPROPRIATE 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 SEED. HAND RAKE LEVEL. BROADCAST 1.25 LB. BAG OF JONATHAN GREEN \"FASTGROW\" MIX OR EQUAL OVER AREA TO BE SEED. 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.



CONTRACTOR SHALL CONTACT DESIGN ENGINEER TO SCHEDULE A SITE INSPECTION PRIOR TO BACKFILLING INFILTRATION/ATTENUATION SYSTEM(S). ALL CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND VISIBLE AT TIME OF INSPECTION. SHOULD THE CONTRACTOR BACKFILL PRIOR TO INSPECTION, THE CONTRACTOR SHALL EXPOSE THE SYSTEM AT THEIR OWN EXPENSE.

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.

PROJECT: PROPOSED LOT LINE ADJUSTMENT MASSARO COURT TOWN OF NORTH CASTLE WESTCHESTER COUNTY - NEW YORK	
STORMWATER MANAGEMENT AND UTILITIES PLAN	Date: 02/27/23 Scale: 1" = 20' Designed By: U.A. Checked By: M.S. Sheet No. 5
	C-3



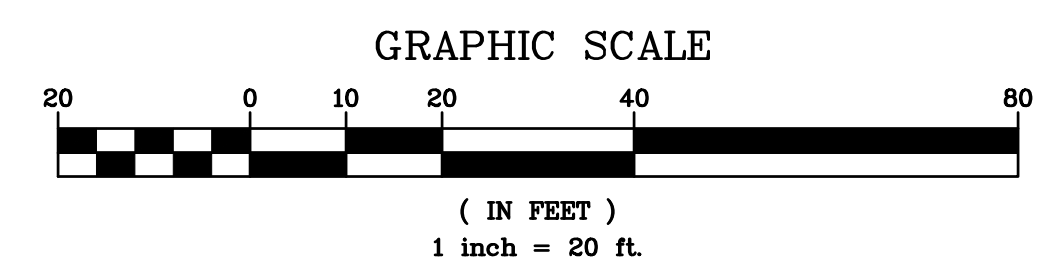
Chevrolet Suburban 3/4 Ton LS
 Overall Length 18.533ft
 Overall Width 6.592ft
 Overall Body Height 6.258ft
 Min Body Ground Clearance 0.990ft
 Track Width 6.592ft
 Lock-to-lock time 4.00s
 Curb to Curb Turning Radius 22.650ft

CONTRACTOR SHALL CONTACT DESIGN ENGINEER TO SCHEDULE A SITE INSPECTION PRIOR TO BACKFILLING INFILTRATION/ATTENUATION SYSTEM(S). ALL CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND VISIBLE AT TIME OF INSPECTION. SHOULD THE CONTRACTOR BACKFILL PRIOR TO INSPECTION, THE CONTRACTOR SHALL EXPOSE THE SYSTEM AT THEIR OWN EXPENSE.

TURNING TEMPLATE LOTS 1 AND 2

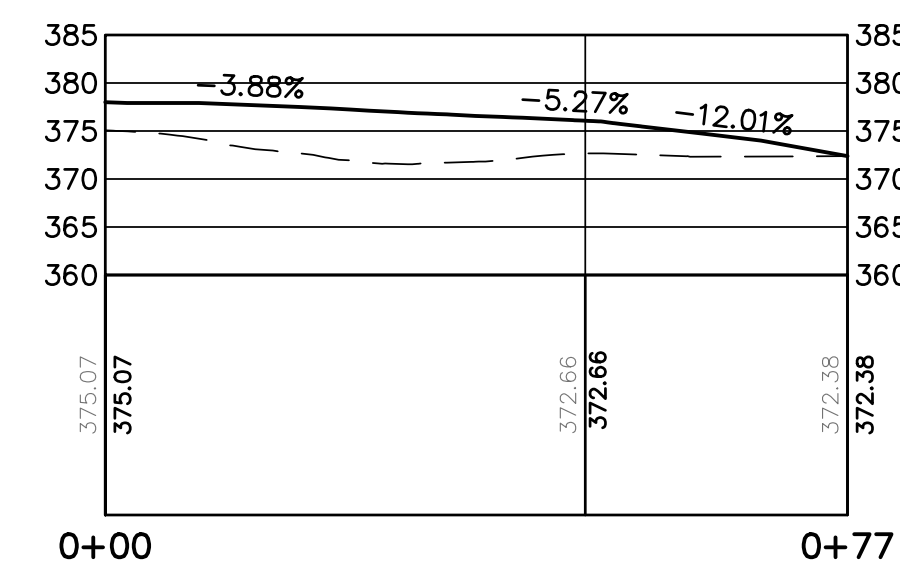
TURNING TEMPLATE LOT 3

EXISTING INFORMATION SHOWN HEREON PROVIDED BY TC MERRITTS LAND SURVEYORS DATED MAY 19, 2022



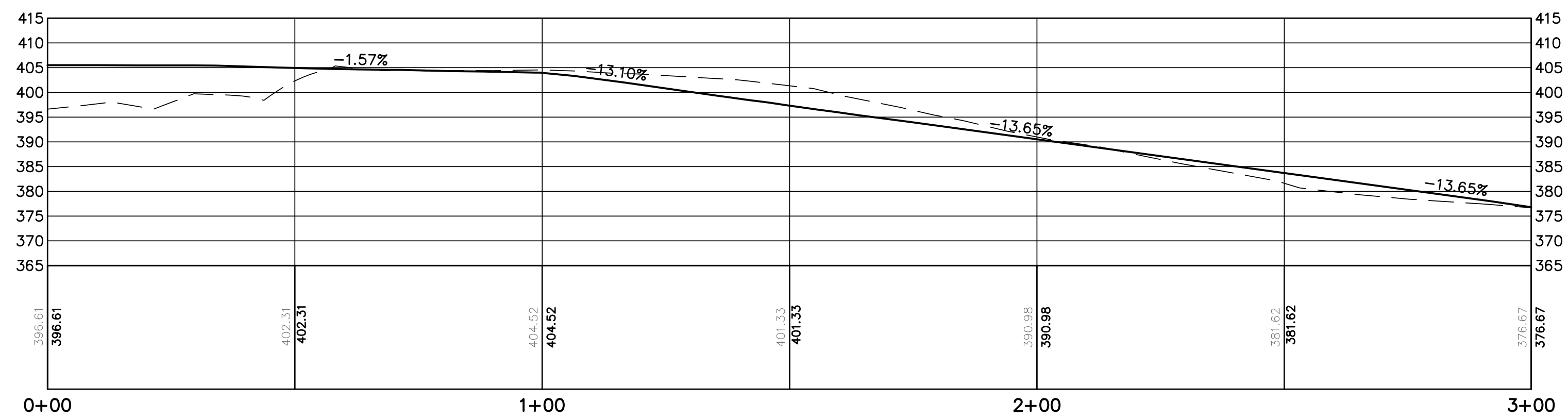
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REVISIONS No. Description Date 1 REVISED PER TOWN CONSULTANT'S COMMENTS 03/27/23 2 CHECKED 03/27/23	PROJECT: PROPOSED LOT LINE ADJUSTMENT MASSARO COURT TOWN OF NORTH CASTLE WESTCHESTER COUNTY – NEW YORK	
	TURNING TEMPLATES HUDSON ENGINEERING & CONSULTING, P.C. 45 Knollwood Road, Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2023	



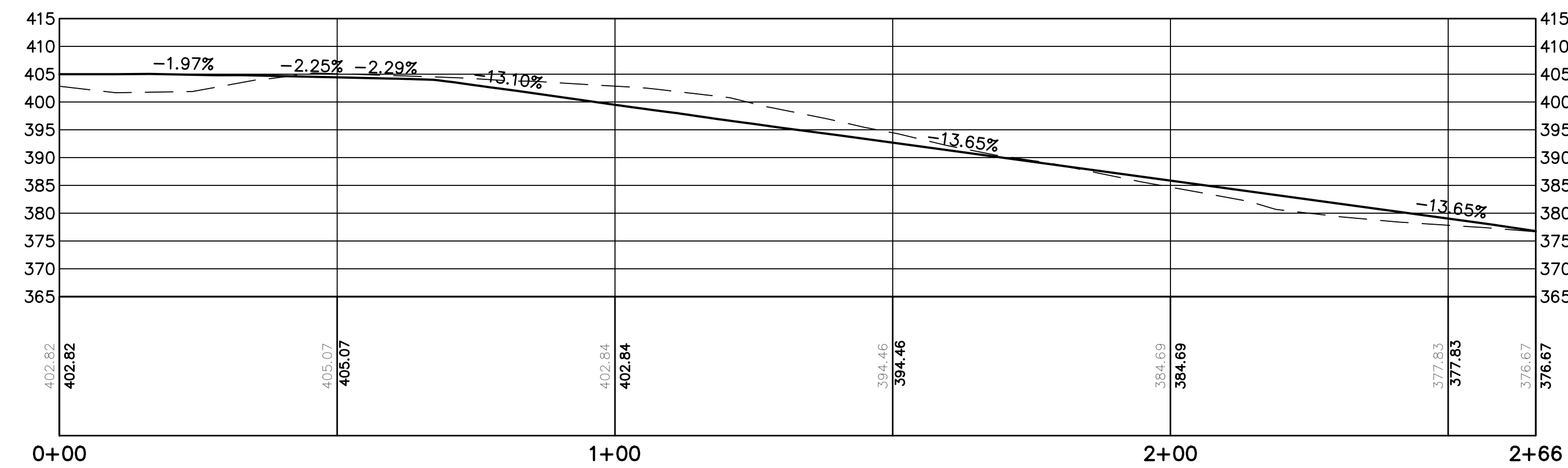
LOT 1 PROFILE STA. 0+00 TO STA. 0+77

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



LOT 2 PROFILE STA. 0+00 TO STA. 3+00

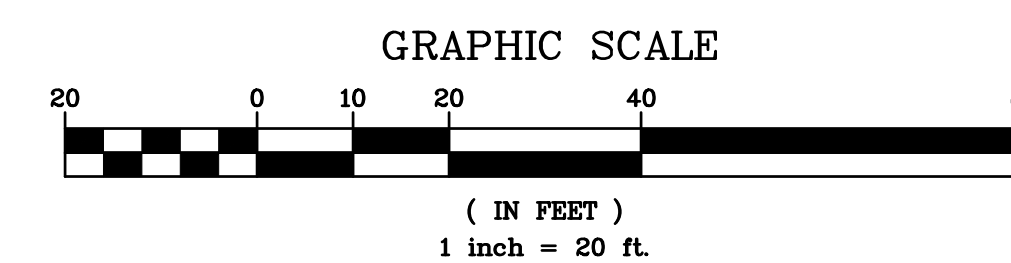
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 20'



LOT 3 PROFILE STA. 0+00 TO STA. 2+66

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

EXISTING INFORMATION SHOWN HEREON
PROVIDED BY TC MERRITTS LAND
SURVEYORS DATED MAY 19, 2022



No.	REVISIONS	DATE
1	REVISED PER TOWN CONSULTANT'S COMMENTS	02/27/23
	Checked by: M.S.	
	Drawn by: M.S.	

PROJECT:
PROPOSED LOT LINE ADJUSTMENT
MASSARO COURT
TOWN OF NORTH CASTLE
WESTCHESTER COUNTY - NEW YORK

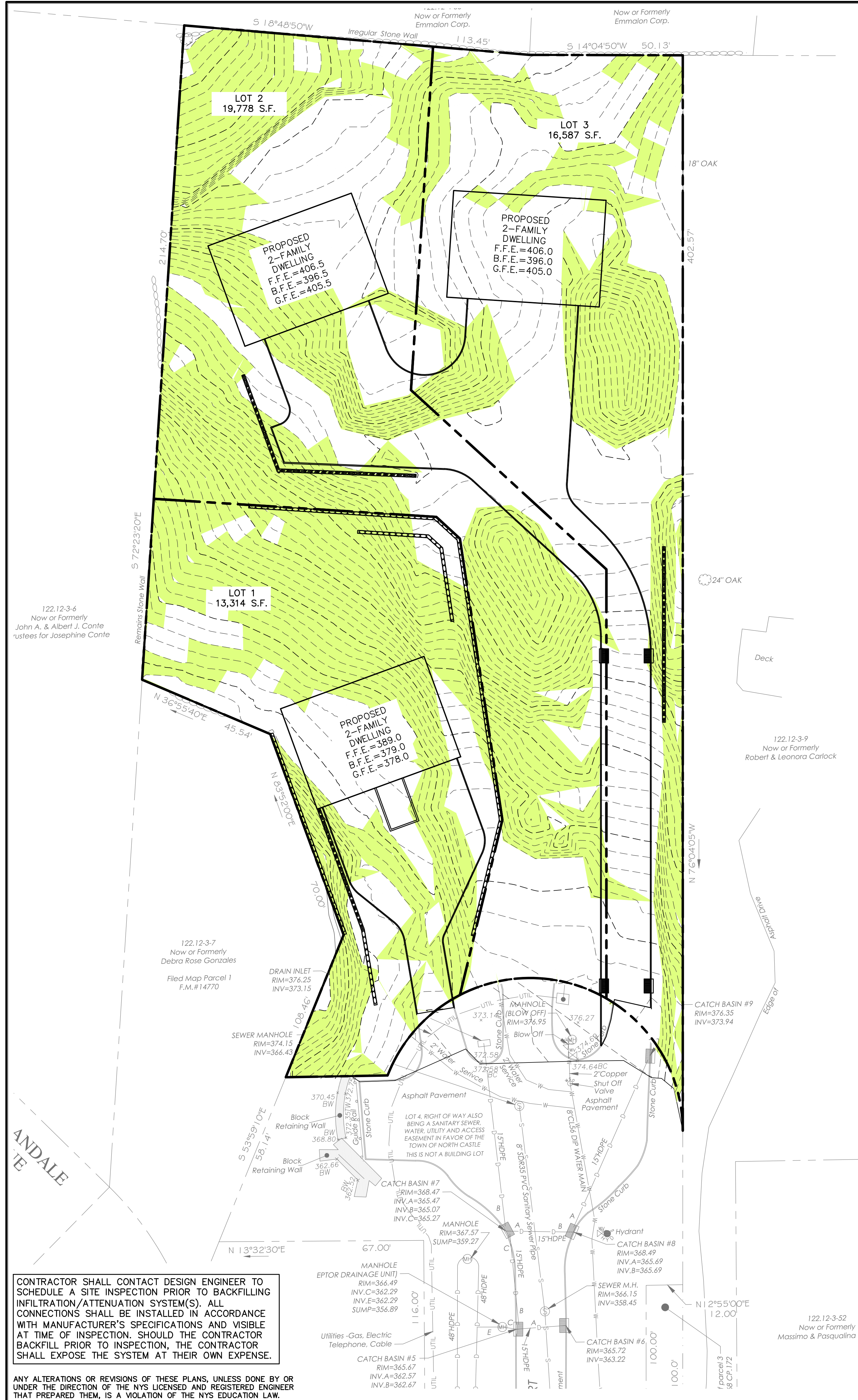
PROFILES

HEC **HUDSON**
ENGINEERING
&
CONSULTING, P.C.
45 Knollwood Road, Suite 201
Elmsford, New York 10523
T: 914-909-0420
F: 914-560-2086 © 2023



Date: 02/27/23 Sheet: 5
Scale: 1" = 20'
Designed By: U.A.
Checked By: M.S.
Sheet No. C-5

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.



SLOPE ANALYSIS (LOT 1)

NO.	MIN. SLOPE	MAX. SLOPE	AREA	COLOR
1	0%	25%	4627	
2	25%	Vertical	8706	

SLOPE ANALYSIS (LOT 2)

NO.	MIN. SLOPE	MAX. SLOPE	AREA	COLOR
1	0%	25%	8103	
2	25%	Vertical	11663	

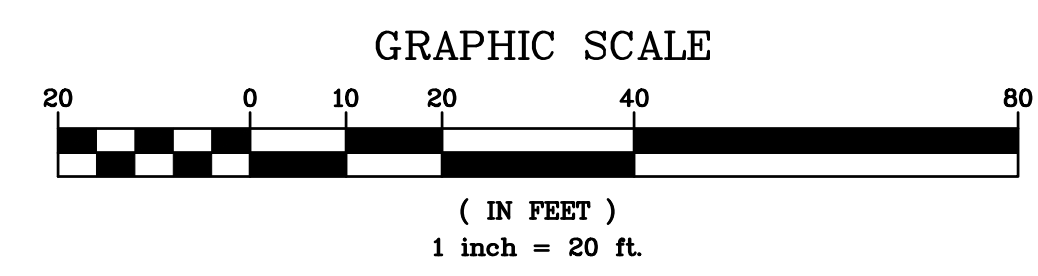
SLOPE ANALYSIS (LOT 3)

NO.	MIN. SLOPE	MAX. SLOPE	AREA	COLOR
1	0%	25%	10198	
2	25%	Vertical	6400	

CONTRACTOR SHALL CONTACT DESIGN ENGINEER TO SCHEDULE A SITE INSPECTION PRIOR TO BACKFILLING INFILTRATION/ATTENUATION SYSTEM(S). ALL CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND VISIBLE AT TIME OF INSPECTION. SHOULD THE CONTRACTOR BACKFILL PRIOR TO INSPECTION, THE CONTRACTOR SHALL EXPOSE THE SYSTEM AT THEIR OWN EXPENSE.

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.

EXISTING INFORMATION SHOWN HEREON PROVIDED BY TC MERRITTS LAND SURVEYORS DATED MAY 19, 2022



<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Description</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	Date				<p>PROJECT: PROPOSED LOT LINE ADJUSTMENT MASSARO COURT TOWN OF NORTH CASTLE WESTCHESTER COUNTY – NEW YORK</p> <p style="text-align: center;">SLOPE ANALYSIS</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>HEC</p> </div> <div style="text-align: center;"> <p>HUDSON ENGINEERING & CONSULTING, P.C.</p> <p style="font-size: 8px;">45 Knollwood Road, Suite 201 Elmsford, New York 10523</p> <p style="font-size: 8px;">T: 914-909-0420 F: 914-560-2086</p> </div> </div>	<p style="font-size: 8px;">Date: 02/27/23 Sheet: Scale: 1" = 20' 1 Designed By: U.A. Checked By: M.S. Sheet No.</p>
No.	Description	Date						
<p>SA-1</p>		<p>© 2023</p>						