

Know what's below.
Call before you dig.
1-800-962-7962

PROJECT DATA

APPLICANT / OWNER
J. NAZZARO PARTNERSHIP, LP
8 SAXON AVENUE, SUITE C
BAY SHORE, NY 11706
(631) 650-7838

REFERENCES

SURVEY
BADEY & WATSON SURVEYING & ENGINEERING, P.C.
3063 ROUTE 9
COLD SPRING, NY 10516
(845) 265-9217
REVISED: 11-25-19

REPORT OF GEOTECHNICAL INVESTIGATION:
RANSOM CONSULTING, INC.
PEASE INTERNATIONAL TRADEPORT
112 CORPORATE DRIVE
PORTSMOUTH, NH 03801
(603) 436-1490
DATED: 8-12-14

GOVERNING AGENCIES

MUNICIPALITY
TOWN OF YORKTOWN PLANNING DEPARTMENT
1974 COMMERCE STREET, ROOM 222
YORKTOWN HEIGHTS, NY 10598
(914) 962-6565

TOWN OF YORKTOWN BUILDING DEPARTMENT
363 UNDERHILL AVENUE
YORKTOWN HEIGHTS, NY 10598
(914) 962-5722, x233

UTILITIES

SEWERS
TOWN OF YORKTOWN ENGINEERING DEPARTMENT
363 UNDERHILL AVENUE
YORKTOWN HEIGHTS, NY 10598
(914) 962-5722, x220

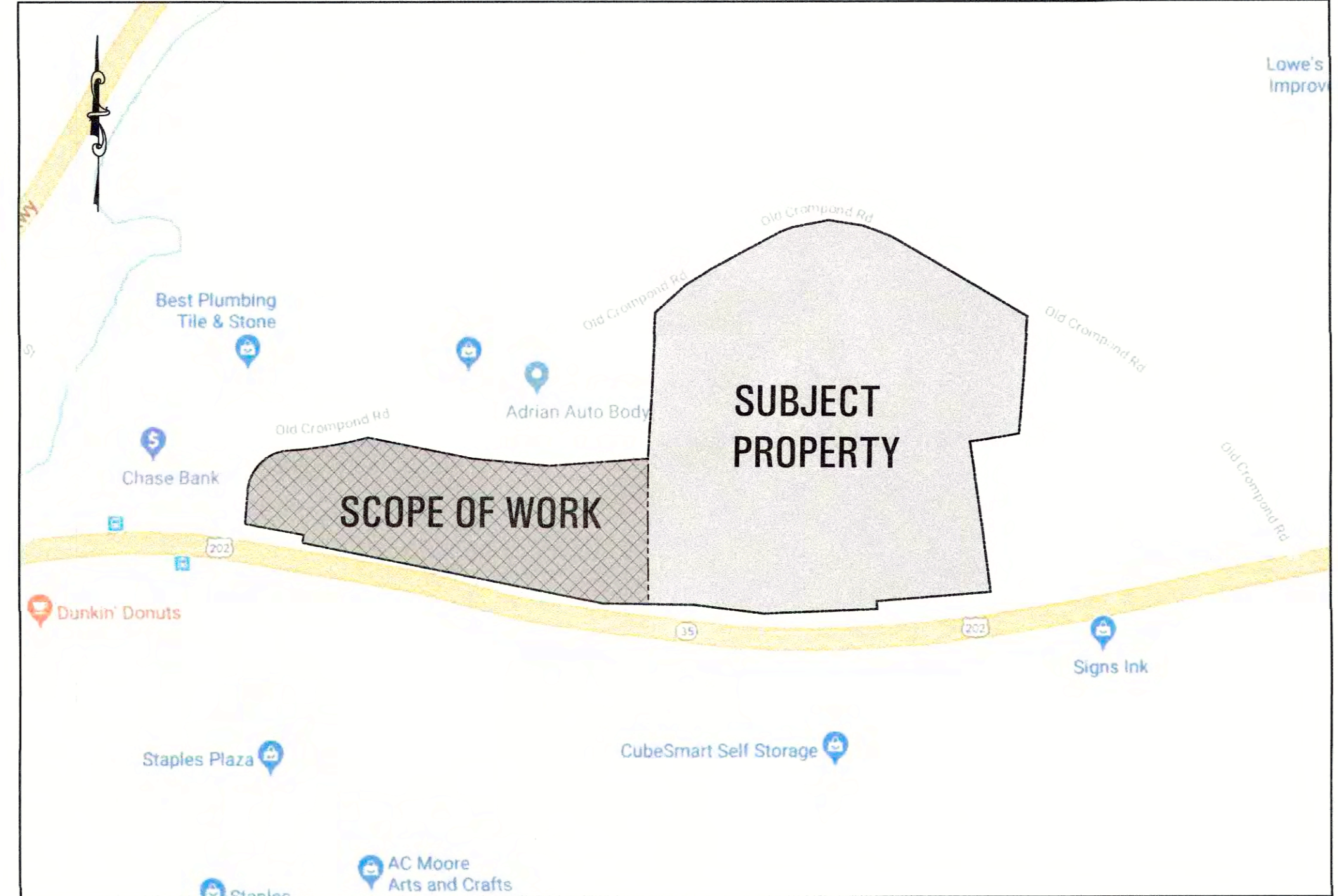
WATER
YORKTOWN WATER DISTRICT
1080 SPILLWAY ROAD
SHRUB OAK, NY 10588
(914) 245-6111

GAS
CON EDISON
P.O. BOX 138
NEW YORK, NY 10276
(800) 752-6633

ELECTRIC
NYSES BREWSTER ELECTRIC
35 MILAN ROAD
BREWSTER, NY 10509
(800) 572-1111

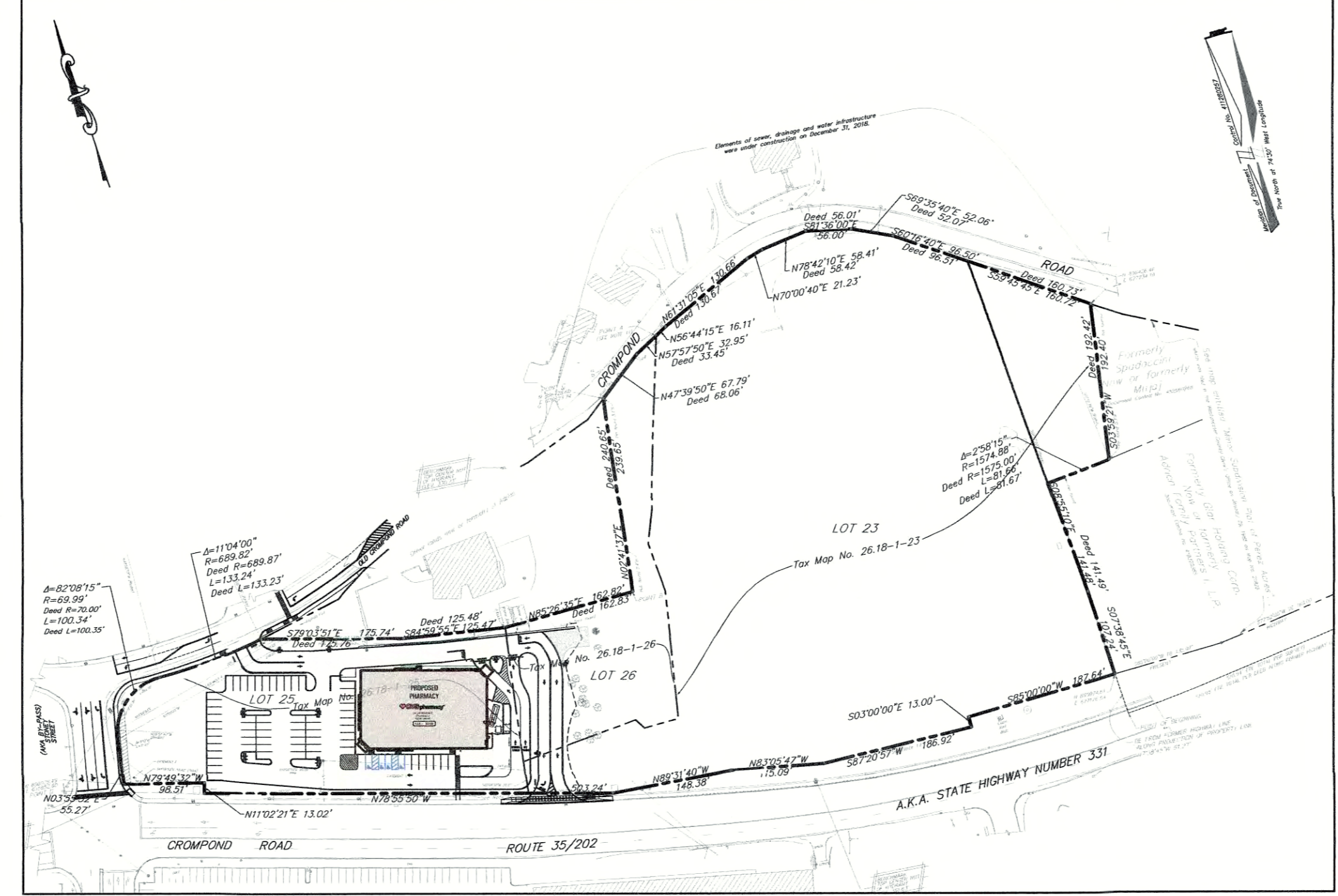
TELEPHONE
VERIZON
(800) 554-3900

Site Plan Package for Proposed:



VICINITY MAP
NTS

3320 Crompond Road (NYS Rte. 35/202)
Yorktown Heights (Town of Yorktown)
Westchester County
New York, 10598
Tax Map ID: 26.18 - 1 - 23, 25 & 26



OVERALL SITE
1" = 150'

SHEET INDEX

- C0.0 Cover Sheet
- C1.0 Site Plan
- C2.0 Removals Plan
- C3.0 Grading & Drainage Plan
- C4.0 Stormwater Pollution Prevention Plan - Phase I
- C4.1 Stormwater Pollution Prevention Plan - Phase II
- C4.2 Stormwater Pollution Prevention Plan Details
- C5.0 Utility & Sanitary Plan
- C5.1 Utility & Sanitary Details
- C6.0 Lighting Plan
- C7.0 Landscape Plan
- C8.0 Detail Sheet
- C8.1 Detail Sheet II

1 OF 1 ALTA/ACSM Land Title Survey (by Others)

GENERAL NOTES

1. Prior to all activities, the contractor shall inspect and correlate all documents prepared for the project, the existing current conditions of the site and all applicable jurisdictional requirements. Any clarifications necessary shall be requested in writing to the Engineer of Record prior to construction.
2. All necessary precautions to protect the general public, R.O.W.s, adjacent property, site elements to remain, employees, etc., are the responsibility of the contractor including safety programs, procedures, fencing, traffic control, signing, etc. Should any of the above be damaged, the contractor shall repair/replace them at his own expense. All work shall be performed in accordance with OSHA and all other applicable codes.
3. Utility information shown hereon is a compilation of records, surveys, file documents, etc. available at the time of plan preparation. The contractor shall verify prior to all activities the accuracy and completeness of this information. Furthermore, the contractor shall contact all utilities as well as the local "One Call" system to ensure complete mark-out in the field and that all service has been terminated. Should any discrepancies or unclear information appear, the contractor shall contact the Engineer of Record immediately.
4. All unsuitable and/or deleterious materials, excess soil, construction debris, etc. excavated or removed from the site shall be disposed of off-site as required and as specified by the applicable jurisdictional agencies and their laws, codes or ordinances.
5. It is the contractor's responsibility to contact and coordinate the removal, relocation or adjustment of utility poles/facilities with the owning company.
6. Maintenance and protection of traffic is the responsibility of the contractor. Any and all measures necessary to ensure safe vehicular and pedestrian traffic during and after construction shall be provided by the contractor, including but not limited to pavement markings, signage, barrels, lights, guiderails, etc. Such methods and means shall be in accordance with the NYS DOT-MUTCD.
7. Methods and materials of construction shall conform to the standards and specifications of the associated jurisdictional agencies and OSHA unless otherwise specified herein.
8. Forty eight (48) hours prior to commencement of any work at the site, the contractor shall notify the Town Planning/Engineering Department.
9. All ADA accessible facilities (parking, ramps, sidewalks, travel paths, etc.) shall be in conformance with the NYSUBC, ICC/ANSI A117.1, and all local, state and federal agency requirements.
10. All Professional Certifications, Controlled Inspections and their coordination and scheduling are the responsibility of the owner/contractor.
11. The contractor shall not substitute materials, make revisions or alterations to the plans, or deviate from the contract documents without prior written consent of the Engineer of Record.
12. Due to deviations created by drawing reproduction methods, these documents shall not be scaled for determining unlabeled dimensions.
13. The contractor shall have an appropriately Licensed Professional Geotechnical Engineer on site to inspect, monitor and verify soil conditions and capacities and that they are adequate to support the proposed site elements depicted hereon. Should deviations or inconsistencies appear, he shall notify the Engineer of Record immediately.
14. The contractor is responsible to ensure that approvals and permits have been procured and are current prior to construction activities. Moreover, he shall ensure that approved/permit documents from the various agencies correlate with each other as necessary for safe and proper construction of the project.
15. HVAC and associated equipment shall be installed on the building roof.
16. Building dimensions are to outside face of wall. Refer to Architectural Design drawings.
17. The Plans do not purport to indicate the suitability of items noted to remain on the subject property or on the adjoining Right(s) of Way, inclusive of structural stability, adherence to the latest Building Code(s) or design criteria, etc. The property owner/contractor shall independently verify that existing items to remain are in good repair and are suitable for use prior to construction.

1. This Drawing is copyrighted and protected under the Laws of the United States of America. Any unauthorized use or reproduction of this document without written consent of Lauro Group, Inc. is an infringement upon Copyright Laws. Violators will be subject to prosecution by the full extent of the Law.
2. The Client may make and use copies of this document for information and reference in connection with this specific project. This document is not intended or represented to be suitable for reuse by Client or others for any modifications of the project or on any other project. Any such reuse or modification without written permission, verification or further due diligence and adaptation by Engineer of Record or appropriate for the specific purpose intended will be at Client's sole risk and without liability or legal recourse to Engineer of Record or Lauro Group, Inc. Client shall indemnify and hold harmless Engineer of Record or Lauro Group, Inc. from any and all claims, damages, losses and expenses, including attorney fees arising out of or resulting therefrom.
3. The Education Law of the State of New York prohibits any person altering anything on these drawings and/or the accompanying specifications, unless it is under the direction of a Licensed Professional Engineer. Where such alterations are made, the Professional Engineer must sign, seal, date and describe the full extent of the alteration on the drawings and/or in the specifications. (NYS Education Law Section 7209-2)

Civil Plan Package for Proposed

COVER SHEET

SHEET C0.0

1 OF 13

J. NAZZARO LP
3320 Crompond Road (NYS Rte. 35/202)
Yorktown Heights (Town of Yorktown - Westchester County), NY 10598
Tax Map #: 26.18 - 1 - 23, 25 & 26

LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE

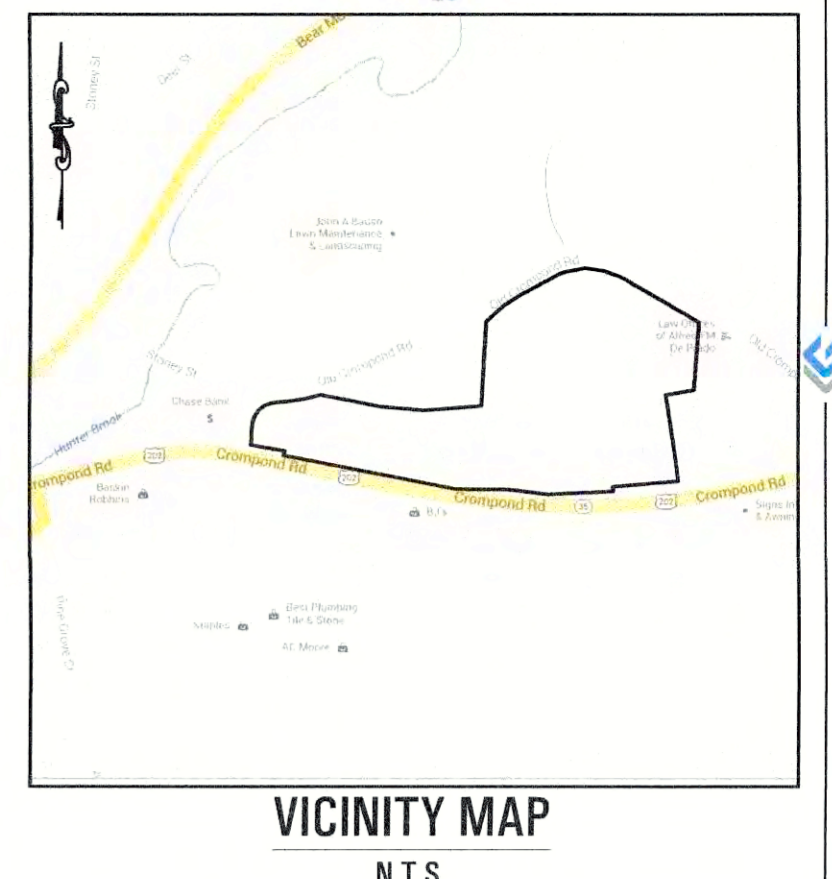
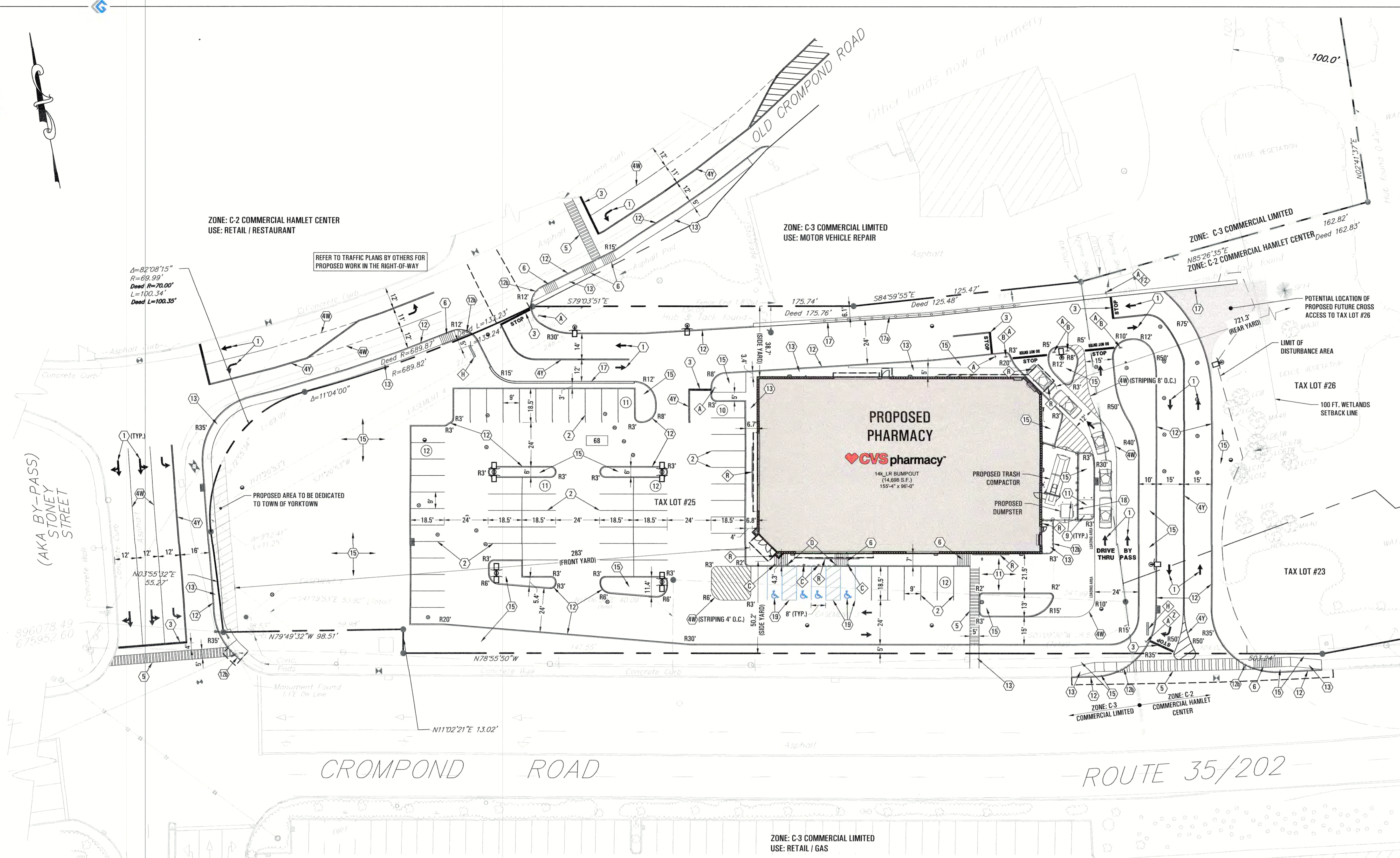
TOTAL PERMITS

No.	Date	By	Revision
1	8/27/19	KA	Town Engineering Comments
2	9/23/19	KA	Revised Grading & Drainage per DEP Comments
3	11/21/19	LSB	Planning Comments

Project #: 631-656-3222 | Drawing #: 1613-0337-CP3 | Date: 4/10/19

Professional Engineer
Daniel J. Poverano
DJP ENGINEERING, PLLC
New York License No. 18605

This drawing is copyrighted and protected under the laws of the United States of America. Any unauthorized use or reproduction of this document without written consent of Lauro Group, Inc. is an infringement upon Copyright Laws. Violators will be subject to prosecution by the full extent of the Law.
The Client may make and retain copies of this document for information and reference in connection with this specific project. This document is not intended to be used for any other project. Any such use or modification without written permission, verification or further due diligence and adaptation by Engineer of Record as appropriate for the specific purpose intended will be at Client's sole risk and without liability of Engineer of Record or Lauro Group, Inc. Client shall indemnify and hold harmless Engineer of Record and Lauro Group, Inc. from any and all claims, damages, losses and expenses, including attorney fees arising out of or resulting therefrom.
The Education Law of the State of New York prohibits any person altering anything on these drawings and/or the accompanying specifications, unless it is to order the direction of a licensed Professional Engineer. Where such alterations are made, the Professional Engineer must sign, seal, date and describe the full extent of the alteration on the drawing and/or in the specifications. NYS Education Law Section 7209(2)



SITE PLAN KEYNOTES

Item	Note
1	Traffic Flow Arrow (Typ.)
2	4" Painted Stripes (Typ.)
3	Stop Bar
4W	Painted Traffic Markings Color White
4Y	Painted Traffic Markings Color Yellow
5	Painted Crosswalk
6	Curb Ramp (Typ.), 36" Wide Min.
8	Bollard
10	Asphalt Pavement
11	Concrete Pavement
12	Concrete Curb
12A	Flush Concrete Curb
13	Concrete Sidewalk
15	Landscape Area
17	Retaining Wall
17A	Retaining Wall Railing
18	Trash Enclosure Masonry Walls with Gates (6' Height)
19	Blue Painted ADA Striping and Symbol

SIGN KEYNOTES

Item	Note
A	"Stop" Sign (R1-1C)
B	"Do Not Enter" Sign (R5-1)
C	ADA Accessible Parking Sign (R7-8)
D	"No Parking Any Time" Sign (R7-1)
F	Left Turn Prohibited Sign (R3-2)
H	Pylon I.D. Sign (Refer to Signage Plan by others)
R	Wall Sign
Z	"All Traffic ->" Sign (NYR3-14)

BULK REQUIREMENTS

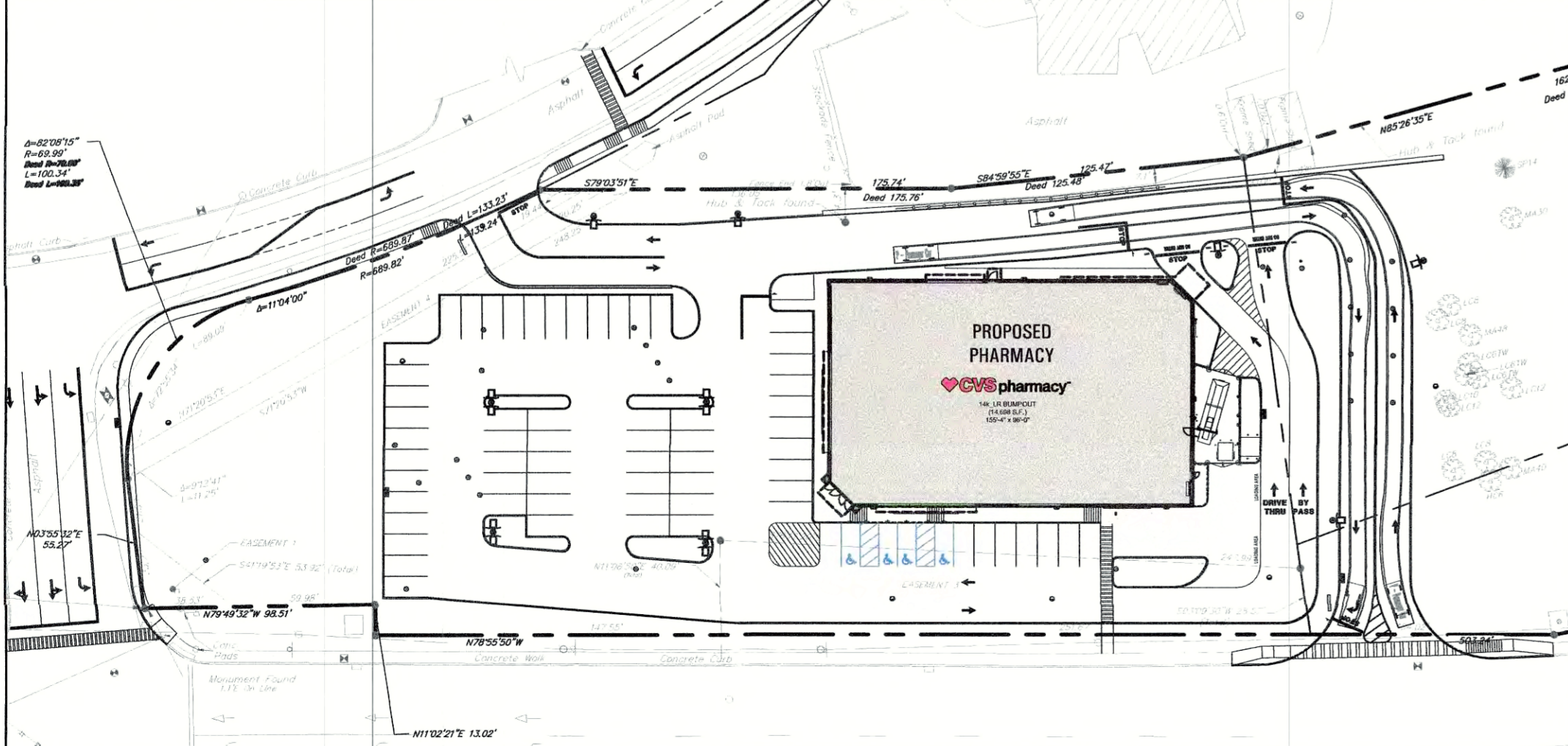
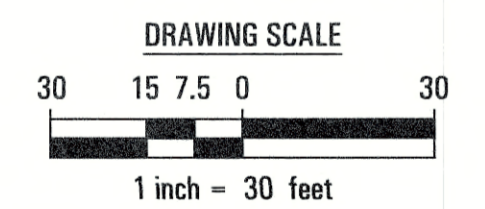
Zone: C-2 Commercial Hamlet Center / C-3 Commercial Limited
Use: Retail

Item	Code	Permitted	Proposed
Min. Lot Area	\$300 Att. 2	10,000 SF	452,936 SF
Min. Lot Width	\$300 Att. 2	100'	189'
Min. Front Yard	\$300 Att. 2	30' w/o parking 75' with parking	283'
Min. Side Yard	\$300 Att. 2	25'	50.2' / 38.7'
Min. Rear Yard	\$300 Att. 2	30'	721.3'
Max. Building Height	\$300 Att. 2	35'	< 35'
Max. Building Coverage	\$300 Att. 2	30%	3.2% (14,698 SF)
Parking Required	\$300-182 A.	1 / 250 SF = 14,698/250 = 59 Stalls	68 Stalls
Loading Required	\$300-186 A.	1 Space @ 15' x 25'	1 Space

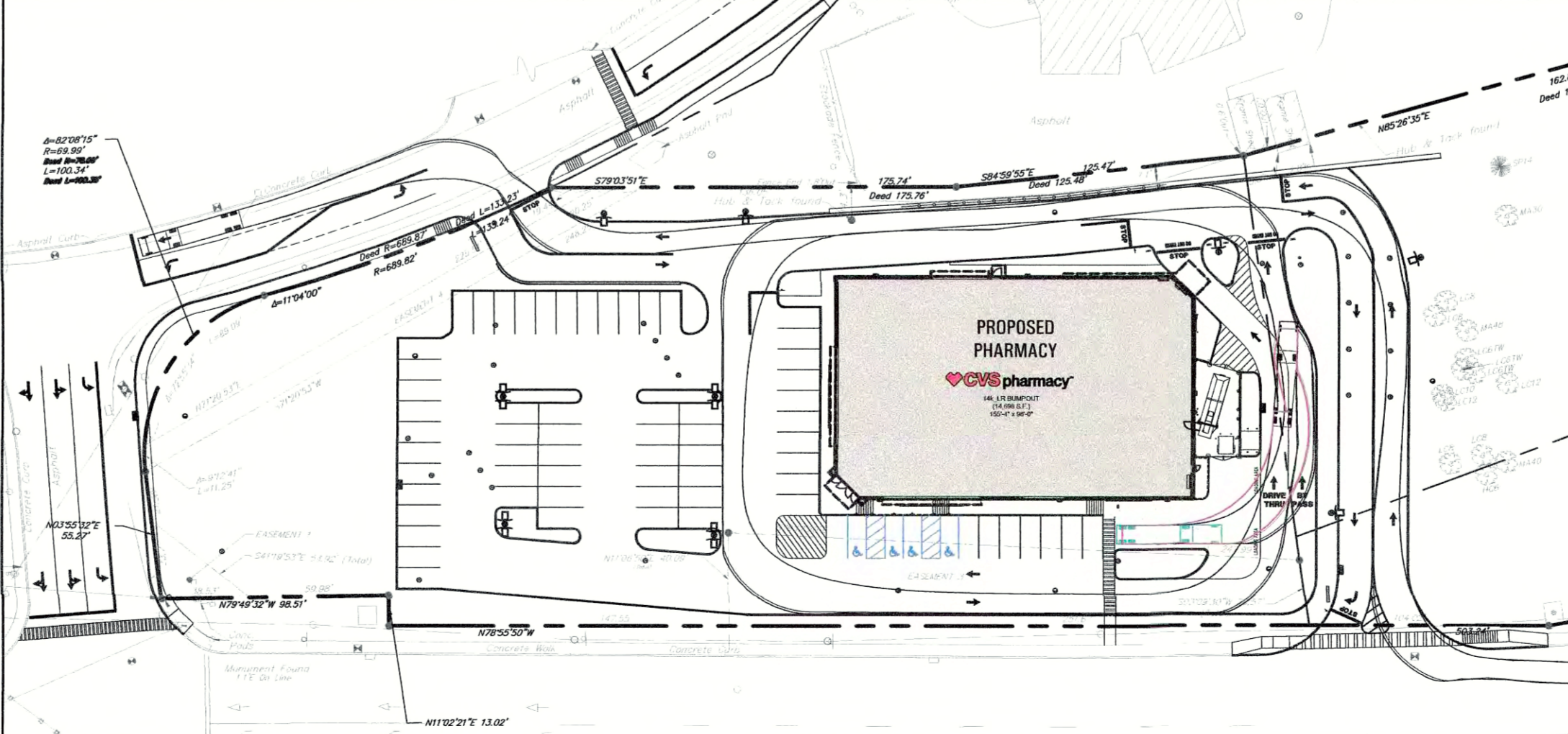
Note: Waiver required for relief of Town Code grading requirements (S195-41)

LEGEND

Existing	Item	Proposal
	Building	
	Property Line	
	Dep. Curb	
	Curb	
	Utility Pole/Light Pole	
	Guy Wire	
	Area Light	
	Sign	
	Traffic Arrows	
	Overhead Wires	
	Traffic Lights	
	Traffic Box	
	Manhole Cover	
	Catch Basin	
	Water Valve	
	Gas Valve	
	Trees	
	Tree Line	
	Brush	
	Fence	
	Key Note Label	12
	Parking Count	12



CAR RUN (PASSENGER CAR)
1" = 60'



TRUCK RUN (WB-40)
1" = 60'

- ### SITE PLAN NOTES
- The General Notes shall be part of this entire document package and are part of the contract documents. The contractor is to familiarize himself and acknowledge his familiarity with all the General Notes as well as any and all drawing sheet specific notes below.
 - Signs to be filed under separate applications.
 - Location of existing and proposed services shown are approximate and must be confirmed independently by the contractor with the utility companies prior to commencement of construction. If discrepancies exist, notify the engineer immediately in writing.
 - Unsuitable material, construction debris, excess soils, etc. shall be properly removed and disposed of off-site in accordance with all applicable codes, ordinances and laws.
 - Directional signage to comply with the latest NYS MUTCD standards.
 - All sidewalks, curbs, and pavement damaged by construction activities shall be repaired or replaced, whether specified on this plan or not.
 - All on-site curbing to be concrete curb unless noted otherwise.
 - Relocation and/or removal of existing utility poles, traffic signs, etc., shall be coordinated by the contractor. The contractor is responsible for field-verifying their presence.
 - Excavation shall be properly backfilled with clean materials. The contractor shall refer to geotechnical reports. The contractor shall be responsible for compaction testing and shall submit such reports and results to the engineer of record and owner.
 - Work within the R.o.W. of Crompond Road (NYS Rte. 35/202) shall be performed in accordance with all applicable requirements of New York State Department of Transportation standards.
 - Refer to traffic plans by others for all work in the New York State right of way.
 - Contractor shall repair existing shoulder and curbing as ordered by NYS DOT engineer.

SITE PLAN

C1.0

SHEET

2 OF 13

J. NAZZARO LP

3320 Crompond Road (WS Rte. 35/202)
Yorktown Heights (Town of Yorktown - Westchester County), NY 10588
Tax Map #: 26-B-1-.23-25-26

LAURO GROUP

DIVERSIFIED ALLIANCES IN LAND USE

TOTAL PERMITS

No.	Date	By	Revision
1	8/27/19	K.A.	Town Engineering Comments
2	9/23/19	K.A.	Revised Grading & Drainage per DEP Comments
3	11/21/19	LSB	Planning Comments

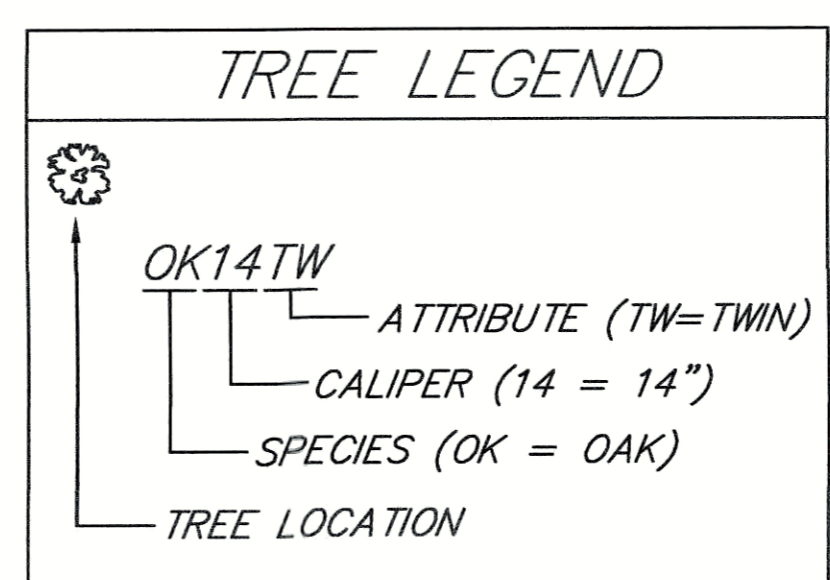
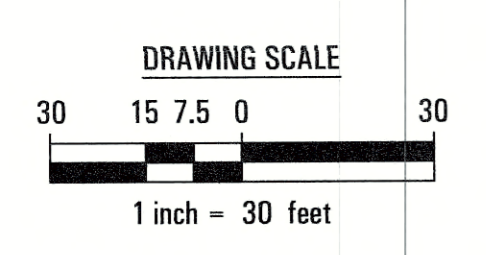
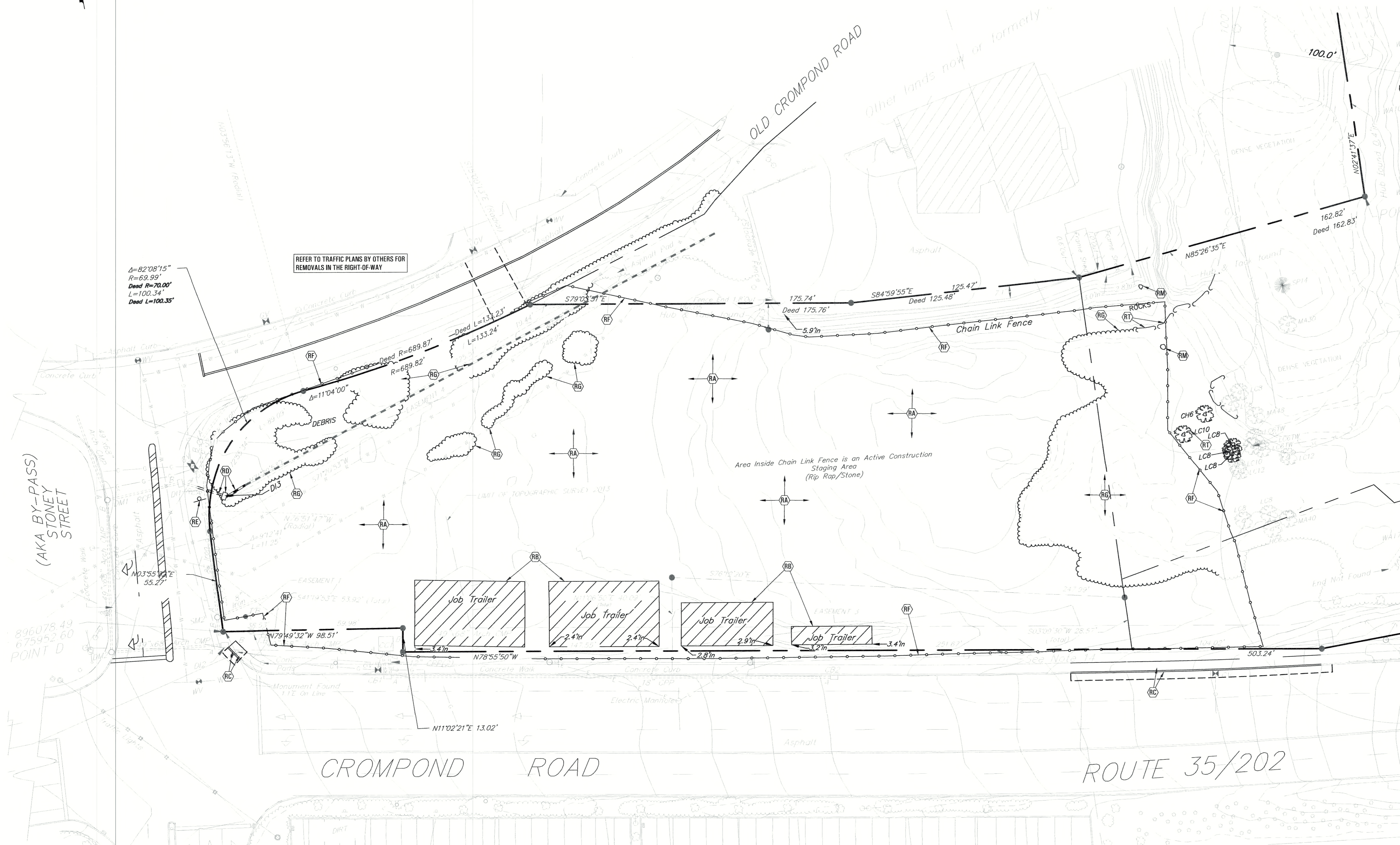
PERMIT SET

Project # LG-13-0337 Drawn by: KALSB Drawing #: LG13-0337-093 Date: 4/10/19

New York License No. 089025

Know what's below.
Call before you dig.
1-800-962-7962

1. This drawing is copyrighted and protected under the Laws of the United States of America. Any unauthorized use or reproduction of this document without written consent of Lauro Group, Inc. is an infringement upon Copyright Laws. Violators will be subject to prosecution by the full extent of the Law.
2. The Client may make modifications to this drawing for information and reference in connection with this specific project. This document is not intended to be used for any other project. Any such use or modification without written permission, verification or further due diligence and adaptation by Engineer of Record as appropriate for the specific purpose intended will be at Client's sole risk and without liability or legal exposure to Engineer of Record at Lauro Group, Inc. Client shall indemnify and hold harmless Engineer of Record at Lauro Group, Inc. from any and all claims, damages, losses and expenses, including attorney fees arising out of or resulting therefrom.
3. The Education Law of the State of New York prohibits any person altering anything on these drawings and/or the accompanying specifications, unless it is under the direction of a licensed Professional Engineer. Where such alterations are made, the Professional Engineer must sign, seal, date and describe the full extent of the alteration on the drawings and/or in the specifications. NYS Education Law Section 2209.3



KEY

SPECIES

CH CHERRY MA MAPLE
HC HICKORY SP SPRUCE
LC LOCUST

ATTRIBUTES

*TW TWIN

*DOUBLE TREES ARE THOSE WHERE THE TRUNK SPLITS AT 4.5 FEET OR HIGHER, TWIN TREES ARE THOSE WHERE THE TRUNK SPLITS BELOW 4.5 FEET.

- ### REMOVALS NOTES
- The General Notes shall be part of this entire document package and are part of the contract documents. The contractor is to familiarize himself with all the general notes and each of the sheets within this document package.
 - Removals shall include, but not be limited to buildings (walls, slabs, foundations, etc.), pavement, curbs, signs, and other items indicated on the drawings that are obstructions to the proposed facilities. Unidentified items encountered shall be brought to the attention of the owner and Engineer of Record prior to its disturbance.
 - Sawcut lines shall be along the depicted line with a straight edge. Where sawcut lines are not designated, the line shall be set so that the least amount of pavement is removed but still allows for the safe and proper installation of the proposed site element. Proposed pavement shall meet existing pavement along the sawcut line flush with no trip hazard unless otherwise noted.
 - All existing ACMs (Asbestos Containing Materials) within the proposed work area shall be removed from the work area prior to removal activities and disposed of according to local, state, and federal guidelines. The contractor shall be responsible for any required postings and/or notifications as may be required.
 - The Contractor shall refer to the Geotechnical Report (if available) and/or retain a Geotechnical Engineer for proper, site specific backfilling requirements and/or any required certifications and inspections.
 - Buildings denoted on these plans to be removed shall include the building foundations, associated underground piping/conduits, footings, etc. unless otherwise noted.
 - The Contractor shall exercise extreme caution when performing removal activities and/or proposed work adjacent to existing structures, specifically structures to remain. The contractor shall be responsible for ensuring the structural stability of adjacent structures prior to performing work in the vicinity.
 - The Contractor shall be responsible to repair/replace any items that are damaged/removed that are not within the subject removals workscope. Contractor shall contact the Engineer of Record of any questionable items prior to their removal.
 - The Contractor shall be responsible for maintaining a safe work environment for his workers, sub-contractors, inspectors, utility workers, the general public, etc.
 - The Contractor shall maintain a safe work site for pedestrians and vehicular traffic utilizing rights of way adjacent to the subject parcels. Maintenance and protection of vehicular and pedestrian traffic during all phases of construction shall be the contractor's responsibility.
 - The means and methods of construction, inclusive of proposed removals, are the responsibility of the Contractor and shall conform to pertinent sections of latest edition of the State Building Code and local codes as may be required.
 - The contractor shall install a temporary work fence around the subject work area in accordance with State Building Code and local codes.
 - The contractor shall be responsible for verifying the exact location, size, and depth of any existing utilities, sanitation structures, structures, walls, etc. on the subject parcels. Existing items shown hereon depict only their approximate location and are a compilation of visual evidence, record documents made available at the time of the preparation of the plans, evidence of above ground structures, etc. and may not depict all existing above ground or below ground items on site.
 - The contractor must call the local One Call number prior to any disturbances, as required. However, the contractor is advised that any markouts from the One Call number and information depicted on these plans may be incomplete and/or imprecise.
 - Underground storage tanks (USTs), if encountered, shall be completely emptied, cleaned and removed from the subject parcel in accordance with federal, state, county and local requirements prior to other removal activities.

REMOVALS PLAN KEYNOTES

Item	Note
RA	Asphalt / Gravel Pavement
RC	Concrete Curb / Sidewalk / Ramp
RD	Drainage Structure/Drainage Piping
RE	Sign
RF	Decorative, Stockade, Chain link Fence/Gates
RG	Ground Cover/Shrubs/Hedges/Landscaped area
RK	Limit of Work
RM	Rocks
RT	Tree

LEGEND

Existing	Item	Removal
	Building	
	Sawcut Line	
	Property Line	
	Curb	
	Utility Pole/Light Pole	
	Guy Wire	
	Sign	
	Traffic Arrows	
	Overhead Wires	
	Traffic Lights	
	Traffic Box	
	Manhole Cover	
	Catch Basin	
	Water Valve	
	Gas Valve	
	Trees	
	Tree Line	
	Brush	
	Chain Link Fence	
	Stockade Fence	
	Key Note Label	
	Approx. Loc. U/G Water	
	Approx. Loc. U/G Gas	
	Approx. Loc. U/G Elect.	
	Approx. Loc. U/G Storm	

REMOVALS PLAN SHEET C2.0 3 OF 13

J. NAZZARO LP
3320 Composed Road (NYS Rte. 35/202)
Yorktown Heights (Town of Yorktown - Westchester County), NY 10598
Tax Map #: 26-18-1-23, 25 & 26

THE LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE
One South St., Suite 1801, Westchester Memorial Hwy, Suite 330, Yonkers, NY 10714
Tel: 631.656.3222 | Fax: 631.750.8050 | Project #: 1613-0337-PP3

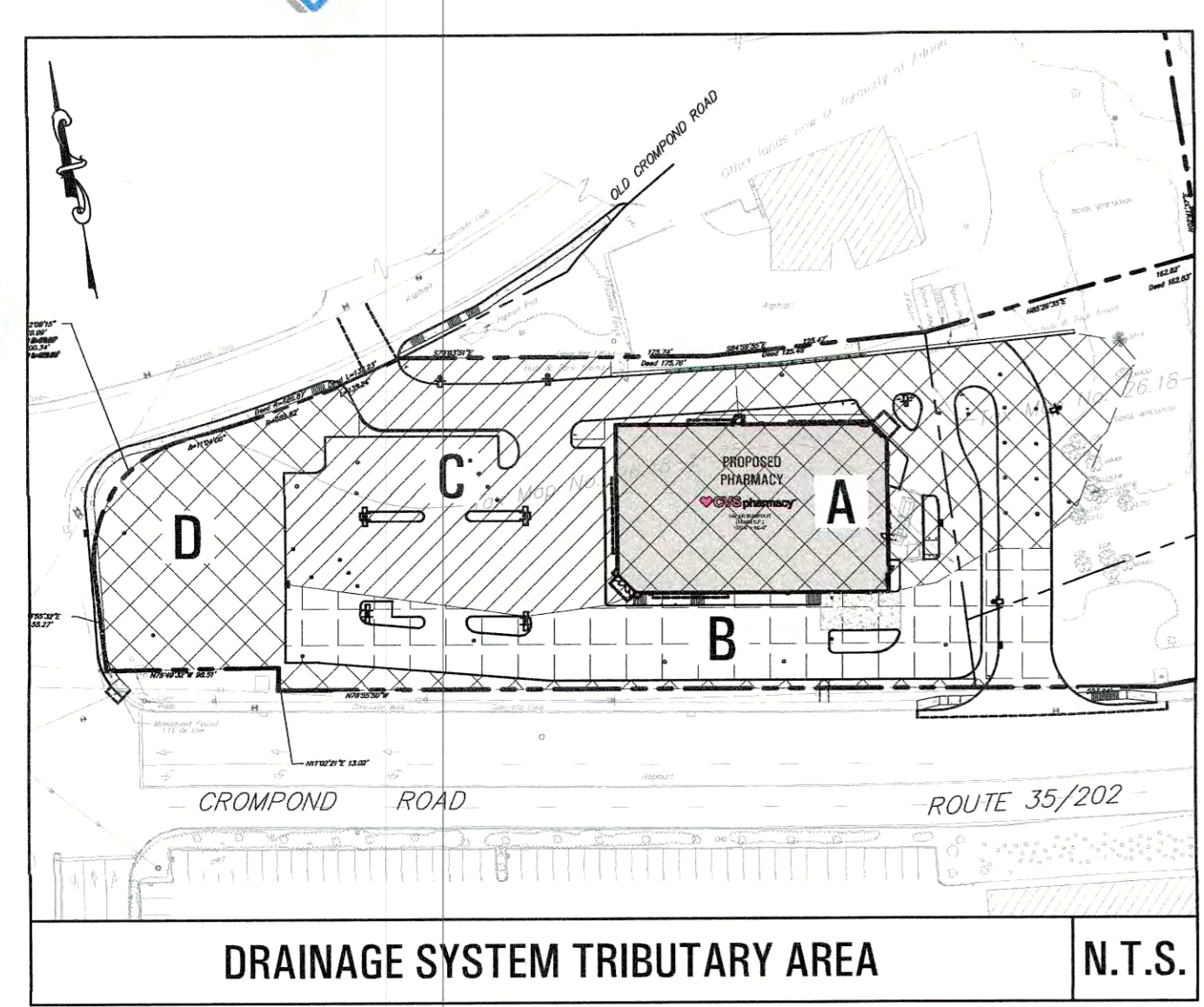
Professional Engineer
Daniel J. Pivone
Professional Engineer No. 88825
New York License No. 88825

Revision Table:

No.	Date	By	Town Engineering Comments
1	8/27/19	KA	Revised Grading & Drainage per DEF Comments
2	9/23/19	KA	Planning Comments
3	11/27/19	LSB	

PERMIT SET
Project #: 1613-0337-PP3, Drawing #: 1613-0337-PP3, Date: 4/10/19

Know what's below.
Call before you dig.
1-800-962-7962



Water Quality Volume
New Development

$$WQ_v = \frac{(P)(R_v)(A)}{12}$$

where $R_v = 0.05 + 0.009(I)$
 $I =$ Impervious Cover (%)
 Minimum $R_v = 0.2$ if $WQ_v > RR_v$
 P (inch) = 90% Rainfall Event Number
 A = Site Area in Acres

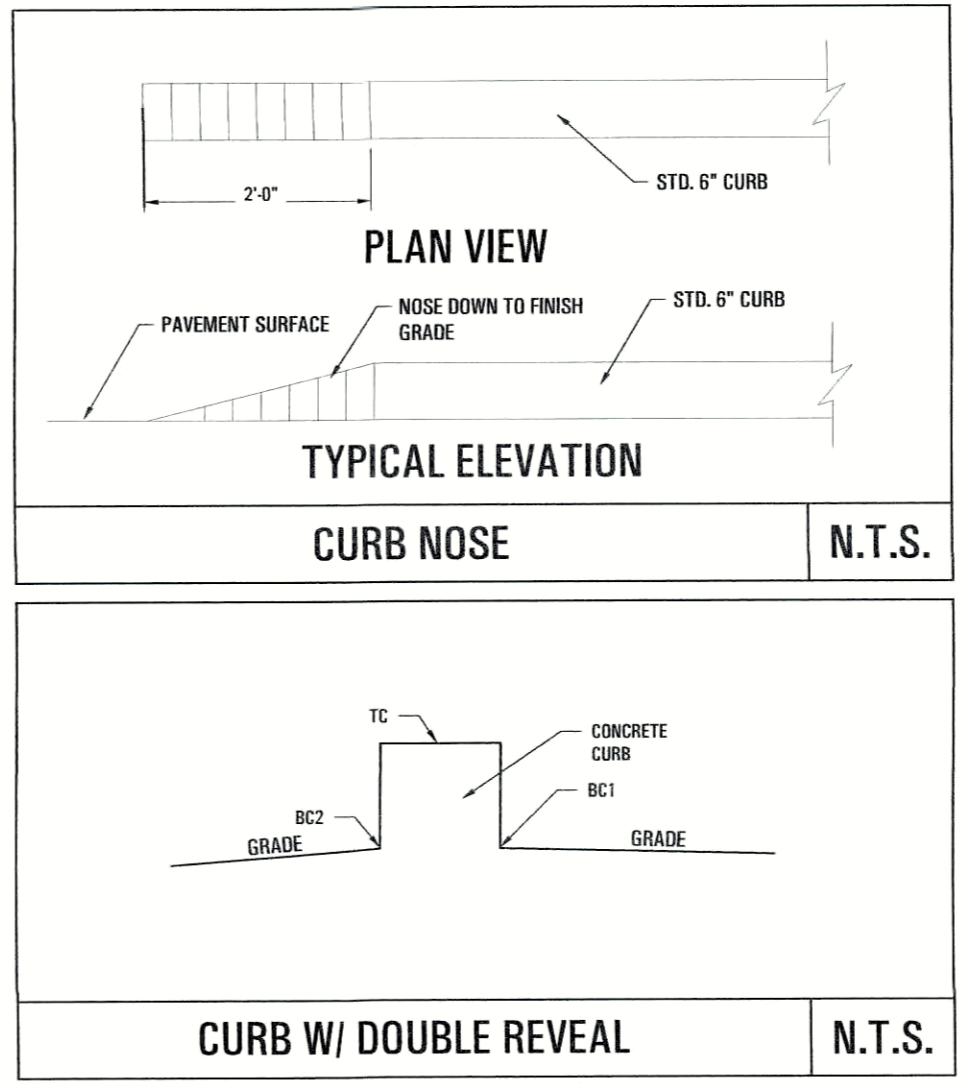
$A_p = 0.651$ acres of pervious cover
 $A_i = 1.619$ acres of impervious cover
 $P = 2.75$ inches

$A = 2.27$ acres
 $I = 71.32$
 $R_v = 0.691894$

$$WQ_v = \frac{(P)(R_v)(A)}{12} = 0.360 \text{ ac-ft}$$

$$= 15,678.51 \text{ CF (Req'd)}$$

The required Water Quality Volume (1-year storm) is collected and treated within the proposed underground drywell and pipe infiltration systems.



LEGEND

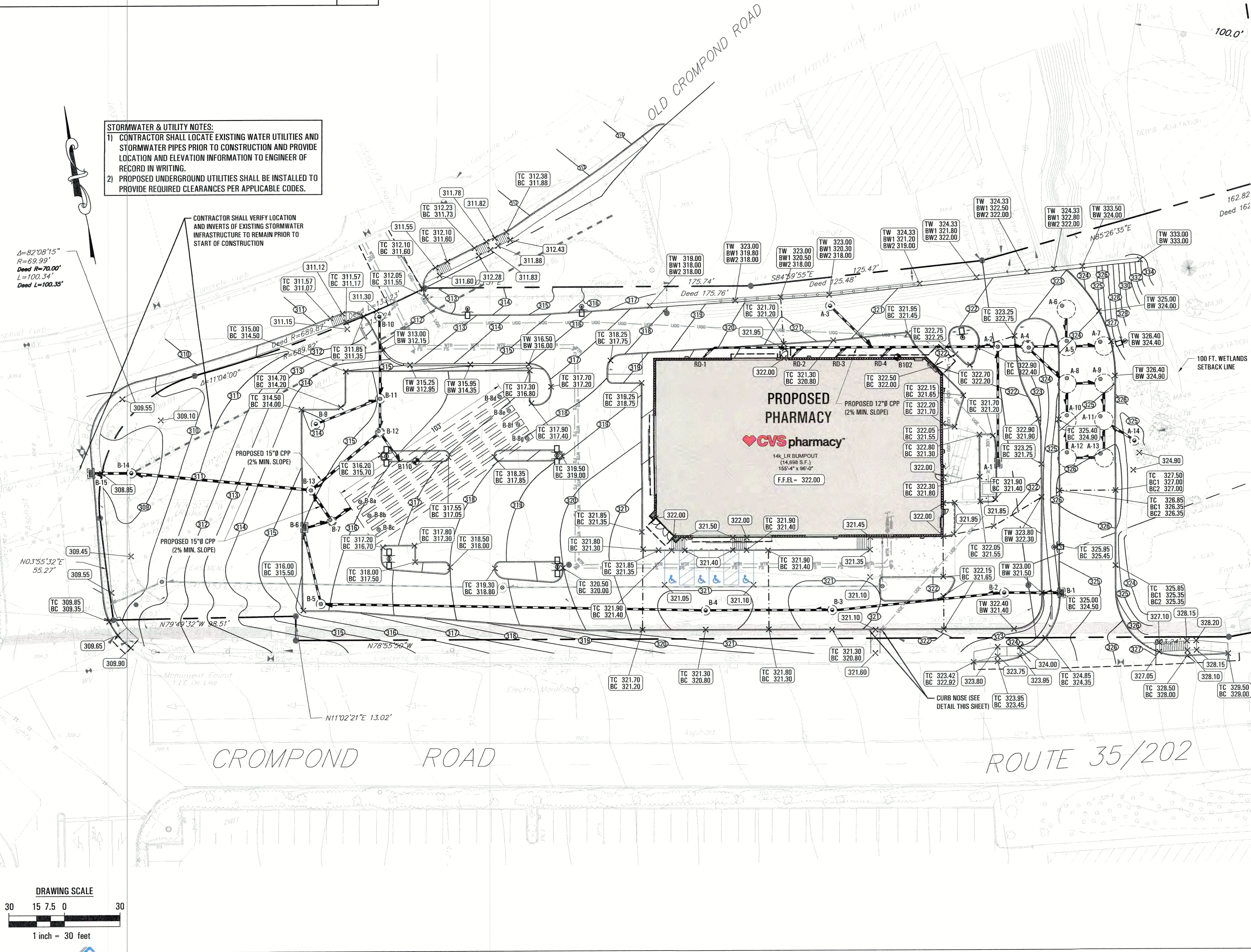
Existing	Item	Proposal
	Building	
	Sawcut Line	
	Property Line	
	Dep. Curb	
	Curb	
	Utility Pole/Light Pole	
	Guy Wire	
	Area Light	
	Sign	
	Traffic Arrows	
	Overhead Wires	
	Traffic Lights	
	Traffic Box	
	Manhole Cover	
	Inlets	
	Catch Basin	
	Drainage Manhole	
	Drywell	
	Water Valve	
	Gas Valve	
	Trees	
	Tree Line	
	Brush	
	Fence	
	Key Note Label	(12)
	U/G Domestic Water Service	WTR
	U/G Fire Sprinkler Service	FS
	U/G Gas Service	UGG
	U/G Electric Service	USE
	U/G Storm Drainage Pipe	
	Spot Elevation	326.75
	Top and Bottom of Curb Elevation	TC 321.80 BC 321.30
	Contour Line	315
	U/G Sanitary Line	
	Swale	

- GRADING & DRAINAGE NOTES**
- All proposed curbs, unless otherwise noted, shall have a 6" reveal.
 - Sanitary and storm outlets from the building were taken from the Architectural/MEP drawings at the time of plan preparation. The contractor shall verify that they are consistent with the final Architectural/MEP drawings prior to construction.
 - All cast iron access ports/covers for sanitary and storm structures (existing or proposed) shall be self-cleaning flush with the pavement or grade, as appropriate.
 - The contractor shall comply to the fullest extent with the latest standards of OSHA directives and any other agency having jurisdiction for excavation and trenching procedures. The contractor shall use support systems, sloping, benching, and other means of protection as appropriate for the prevailing conditions. This includes but is not limited to access and egress from all excavation and trenching.
 - Should dewatering be required for the installation of any facilities depicted hereon, the contractor is responsible for any/all permits from the appropriate jurisdictional agency and the directives therein.
 - At the conclusion of construction activities, the contractor shall clean all drainage structures on-site in the vicinity of the work area and in ROW fronting the work area to ensure proper functionality.
 - Roof/canopy drain piping shall be 6" PVC SDR 35, unless otherwise stated.
 - Drainage interconnect piping shall be 12" ADS N-12 smooth wall CPP, unless otherwise stated.
 - Pavement slopes in ADA areas shall conform to the latest applicable standards and shall not exceed 1:50 in ADA parking and loading areas.

- STORMWATER & UTILITY NOTES:**
- CONTRACTOR SHALL LOCATE EXISTING WATER UTILITIES AND STORMWATER PIPES PRIOR TO CONSTRUCTION AND PROVIDE LOCATION AND ELEVATION INFORMATION TO ENGINEER OF RECORD IN WRITING.
 - PROPOSED UNDERGROUND UTILITIES SHALL BE INSTALLED TO PROVIDE REQUIRED CLEARANCES PER APPLICABLE CODES.

CONTRACTOR SHALL VERIFY LOCATION AND INVERTS OF EXISTING STORMWATER INFRASTRUCTURE TO REMAIN PRIOR TO START OF CONSTRUCTION

$A = 82'08"15"$
 $R = 69.99$
 Deed $R = 70.00'$
 $L = 100.34'$
 Deed $L = 100.35'$



DRAINAGE COMPUTATIONS

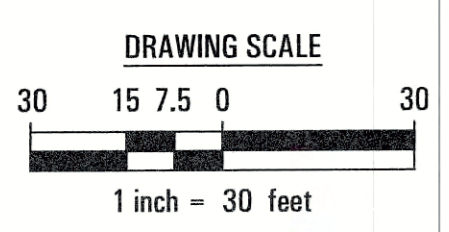
REFER TO STORMWATER POLLUTION PREVENTION PLAN DOCUMENTATION FOR DRAINAGE CALCULATIONS.

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NAME	STRUCTURE TYPE	CASTING ELEVATION	TOP OF RINGS	BOTT. OF RINGS	INVERT ELEVATION & DIRECTION	RING HEIGHT (VF)
A-1	2.5'x 4' CATCH BASIN W/CURB INLET	321.00	--	--	317.50 ALL	--
A-2	5'0' CATCH BASIN W/MANHOLE COVER	322.55	--	--	316.25 S/E	--
A-3	5'0' CATCH BASIN W/FRAME & GRATE	320.20	--	--	316.70 W	--
A-4	CONTECH CDS-6	323.50	--	--	313.50 W/E	--
A-5	10"0' DRYWELL W/TOP SLAB AND MANHOLE COVER	323.95	322.00	309.00	313.25 ALL	13
A-6	10"0' DRYWELL W/TOP SLAB AND MANHOLE COVER	323.35	321.00	309.00	313.00 ALL	12
A-7	10"0' DRYWELL W/TOP SLAB AND MANHOLE COVER	324.35	322.00	309.00	313.00 ALL	13
A-8	10"0' DRYWELL W/TOP SLAB AND MANHOLE COVER	324.45	322.00	309.00	316.50 ALL	13
A-9	10"0' DRYWELL W/TOP SLAB AND MANHOLE COVER	324.80	323.00	309.00	316.00 ALL	14
A-10	10"0' DRYWELL W/TOP SLAB AND MANHOLE COVER	324.90	323.00	309.00	316.00 ALL	14
A-11	10"0' DRYWELL W/TOP SLAB AND MANHOLE COVER	325.25	323.00	309.00	316.50 N/S	14
A-12	10"0' DRYWELL W/TOP SLAB AND MANHOLE COVER	325.55	323.00	309.00	316.50 ALL	14
A-13	10"0' DRYWELL W/TOP SLAB AND MANHOLE COVER	326.00	324.00	309.00	316.00 ALL	15
A-14	5'0' CATCH BASIN W/FRAME & GRATE	324.75	--	--	321.25 ALL	--
RD-1	ROOFTOP DRAIN	--	--	--	317.00	--
RD-2	ROOFTOP DRAIN	--	--	--	316.00	--
RD-3	ROOFTOP DRAIN	--	--	--	315.45	--
RD-4	ROOFTOP DRAIN	--	--	--	315.00	--
TOTAL					122	

B-1	2.5'x 4' CATCH BASIN W/CURB INLET	324.50	--	--	318.00 ALL	--
B-2	5'0' CATCH BASIN W/FRAME & GRATE	321.00	--	--	317.50 ALL	--
B-3	5'0' CATCH BASIN W/FRAME & GRATE	320.60	--	--	316.15 ALL	--
B-4	5'0' CATCH BASIN W/FRAME & GRATE	320.60	--	--	315.15 ALL	--
B-5	5'0' MANHOLE W/MANHOLE COVER	315.85	--	--	312.00 ALL	--
B-6	2.5'x 4' CATCH BASIN W/CURB INLET	315.00	--	--	311.45 ALL	--
B-7	CONTECH CASCADE HDS-4	315.50	--	--	309.50** N	--
					308.50 E/W	--
B-8	36"0' PERFORATED CMP SYSTEM BOTTOM = 308.00	a 315.90 b 316.20 c 316.55 d 316.85 e 317.10 f 317.60 g 318.05	--	--	308.00 ALL	--
B-9	5'0' CATCH BASIN W/FRAME & GRATE	313.75	--	--	310.25 ALL	--
B-10	5'0' CATCH BASIN W/FRAME & GRATE	311.20	--	--	308.70 ALL	--
B-11	5'0' MANHOLE W/MANHOLE COVER	315.05	--	--	308.30 ALL	--
B-12	CONTECH CASCADE HDS-4	315.30	--	--	308.15 N/SW	--
B-13	5'0' MANHOLE W/MANHOLE COVER	314.90	--	--	307.75 ALL	--
B-14	5'0' CATCH BASIN W/FRAME & GRATE	308.70	--	--	304.35 ALL	--
B-15	2.5'x 4' CATCH BASIN W/CURB INLET	308.30	--	--	304.00 ALL	--
	EXISTING CATCH BASIN (D11)	308.50	--	--	303.50 E	--

* CONTRACTOR SHALL DETERMINE STRUCTURE ELEVATIONS AND CONTACT ENGINEER OF RECORD PRIOR TO CONSTRUCTION
 ** BYPASS INVERT WITHIN CONTECH CASCADE HDS STRUCTURE



This drawing is copyrighted and protected under the Laws of the United States of America. Any unauthorized use or reproduction of this document without written consent of Lauro Group, Inc. is an infringement upon Copyright Laws. Violators will be subject to prosecution by the full extent of the Law.
 The Client may make and retain copies of this document for information in connection with this specific project. This document is not intended to be used for any other project. Any such use is a violation of the copyright laws of the United States of America. The Client shall indemnify and hold harmless the Engineer of Record and Lauro Group, Inc. from any and all claims, damages, losses and expenses, including attorney fees arising out of or resulting therefrom.
 The Education Law of the State of New York prohibits any person acting on these drawings and/or the accompanying specifications, unless it is under the direction of a Licensed Professional Engineer. Where such alterations are made, the Professional Engineer must sign, seal, date and describe the full extent of the alteration on the drawings and/or in the specifications. NYS Education Law Section 2209(2).

TOTAL PERMITS

Revision: 1
 No. 1
 Date 8/27/19
 By KA
 Town Engineering Comments

Revision: 2
 No. 2
 Date 9/23/19
 By KA
 Revised Grading & Drainage per DEP Comments

Revision: 3
 No. 3
 Date 11/12/19
 By LSS
 Planning Comments

PERMIT SET
 Project # 1613-0337
 Drawn by: MALSS
 Training # 1613-0337-CP3 Date: 4/10/19

THE LAURO GROUP
 DIVERSIFIED ALLIANCES IN LAND USE

J. NAZZARO LP
 3920 Crompond Road (NYS Reg. 352/22)
 Torrington Hills (Town of Torrington) - Westchester County, NY 10588
 Tel: 914-261-9111, 261-2518 & 26

GRADING & DRAINAGE PLAN

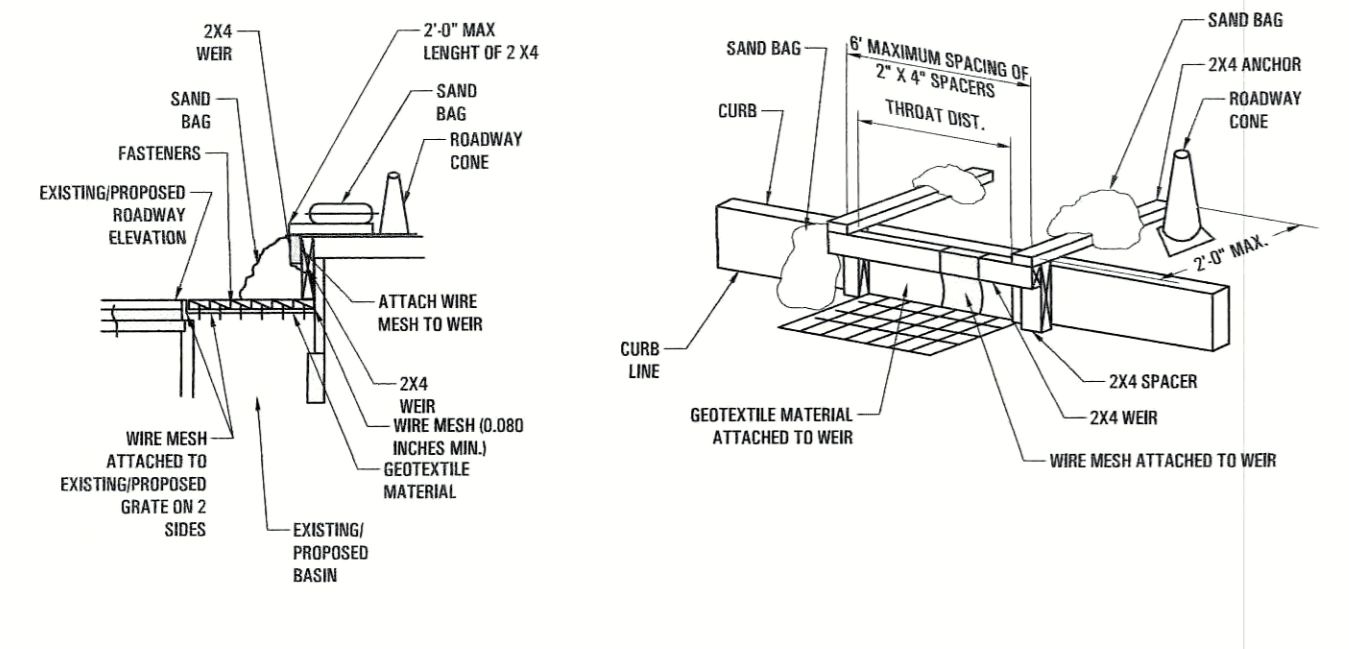
SHEET C3.0

4 OF 13

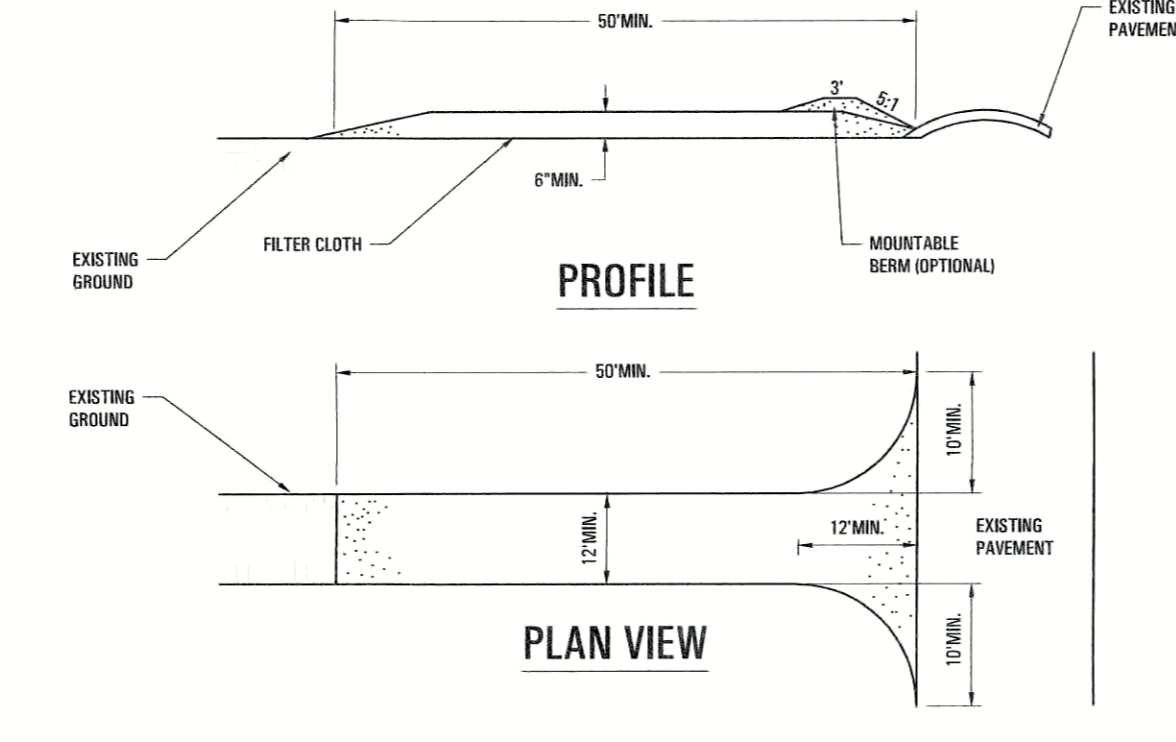
Know what's below.
Call before you dig.
1-800-962-7962

This drawing is copyrighted and prepared under the laws of the United States of America. Any unauthorized use or reproduction of this document without written consent of Lauro Group, Inc. is an infringement upon Copyright Laws. Violators will be subject to prosecution by the full extent of the law. The Client may make and retain copies of this document for information and reference in connection with this specific project. This document is not intended or represented to be suitable for use on any other project. Any such reuse or modification without written permission, verification of further due diligence and adaptation by Engineer of Record as appropriate for the specific purpose intended will be at Client's sole risk and without liability of Engineer of Record or Lauro Group, Inc. Client shall indemnify and hold harmless Engineer of Record and Lauro Group, Inc. from any and all claims, damages, losses and expenses, including attorney fees arising out of or resulting therefrom. The Education Law of the State of New York prohibits any person allowing anything on their drawings and/or the accompanying specifications, unless it is under the direction of a Licensed Professional Engineer. When such alterations are made, the Professional Engineer must sign, seal, date and describe the full extent of the alteration on the drawings and/or in the specifications. NYS Education Law Section 2209(2)

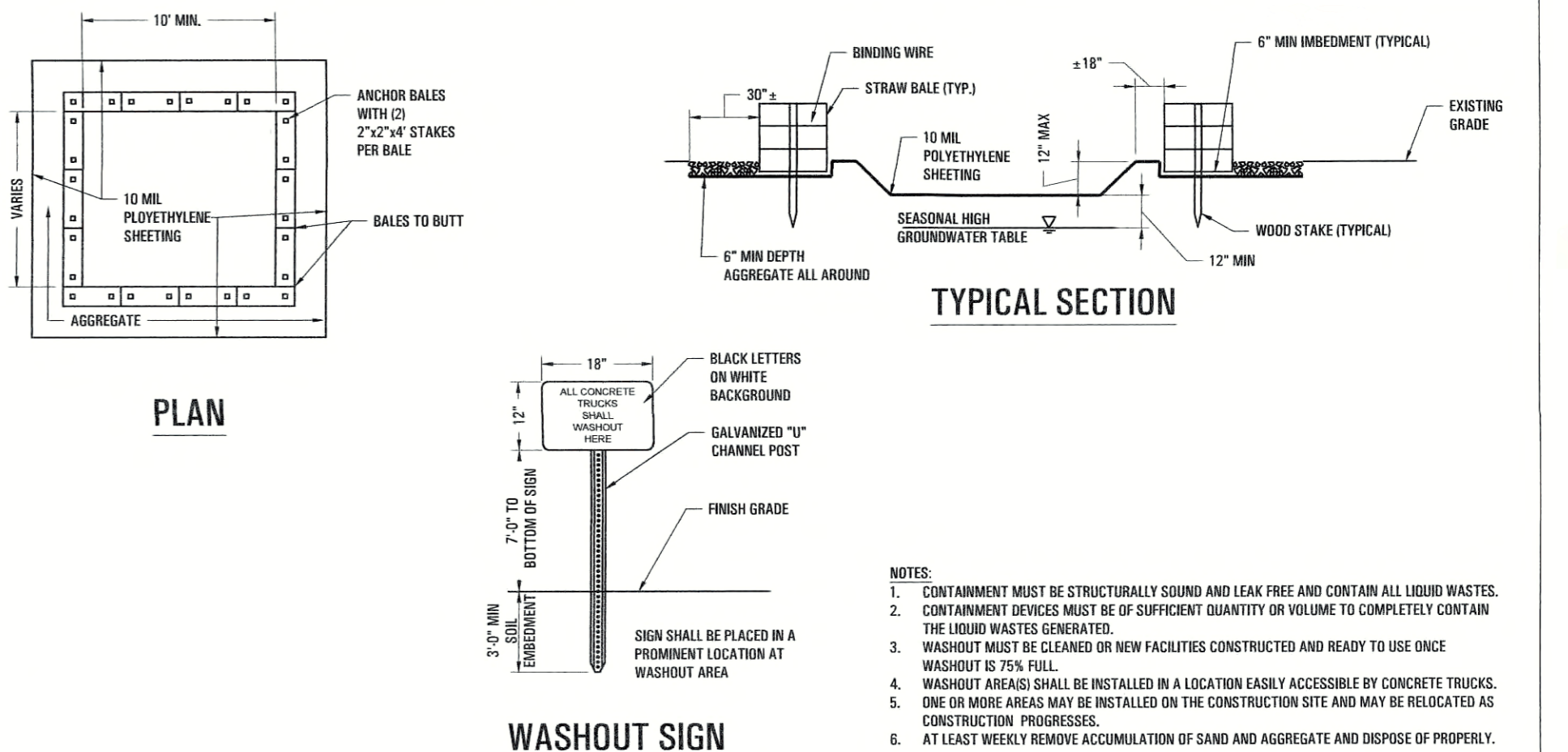
NOTES:
THE WIRE MESH SHALL BE 6"x6" CONTINUOUS 48" MINIMUM WIDTH AND A LENGTH SUFFICIENT TO BE CONSTRUCTED AS SHOWN IN THE DETAIL. IT SHALL BE SECURED AND ATTACHED TO THE 2"x4" WOOD WEIR AND DRAINAGE GRATE WITH THE APPROPRIATE FASTENERS (NAILING/TAPLING).
THE GEOTEXTILE MATERIAL SHALL BE PLACED UNDER THE EXISTING/PROPOSED DRAINAGE GRATE AS SHOWN IN DETAIL.
THE PROTECTION DEVICE SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" X 4" ANCHORS 2 FEET IN LENGTH, EXTENDING ACROSS THE TOP OF THE INLET, AND HELD IN PLACE BY THE SANDBAGS. ADDITIONAL SANDBAGS, AS SHOWN IN DETAIL, SHALL BE PLACED UP AGAINST THE CURB LINE ON EITHER EDGE OF THE DROP INLET.



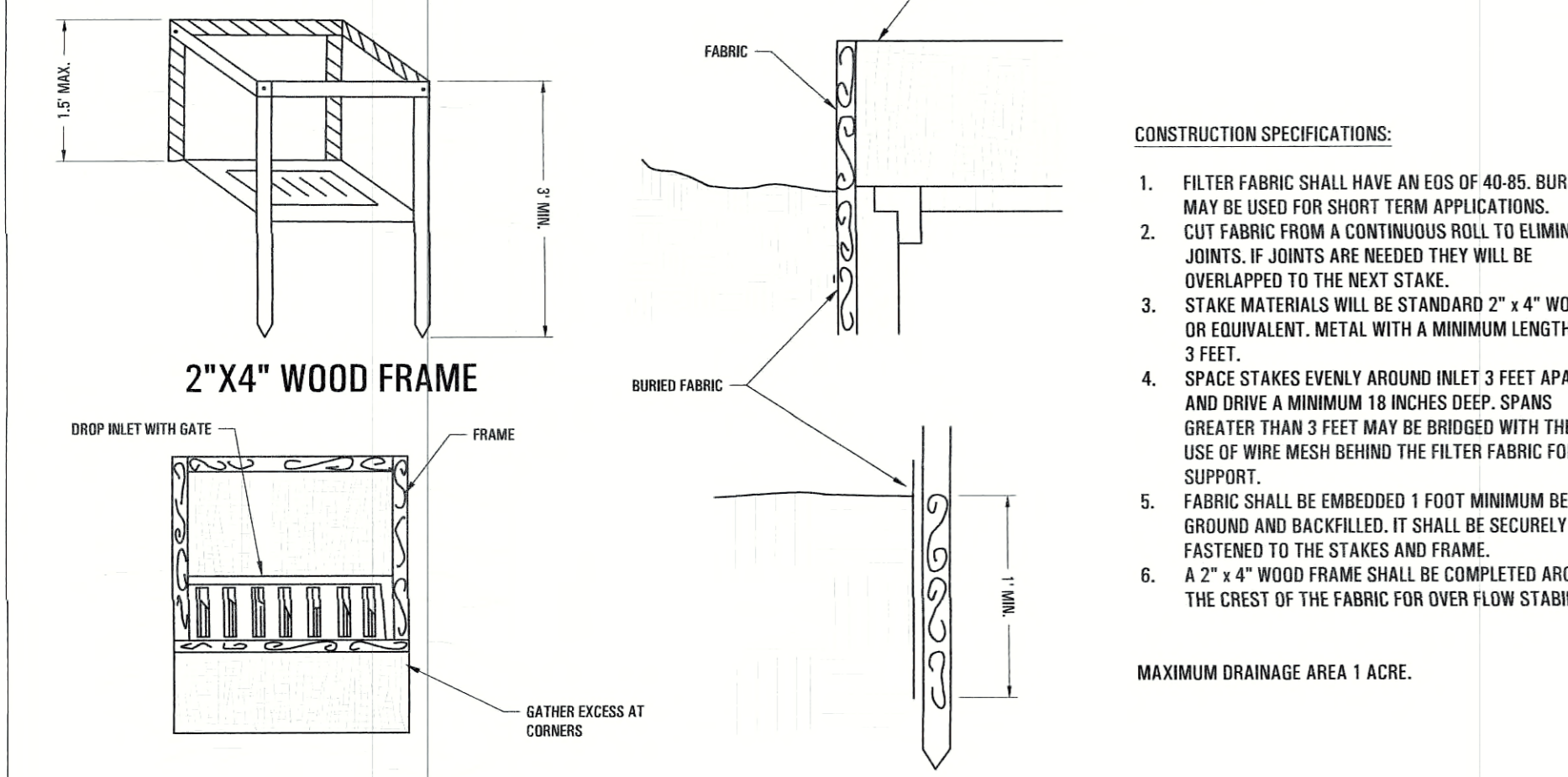
DRAINAGE INLET SEDIMENT PROTECTION N.T.S.



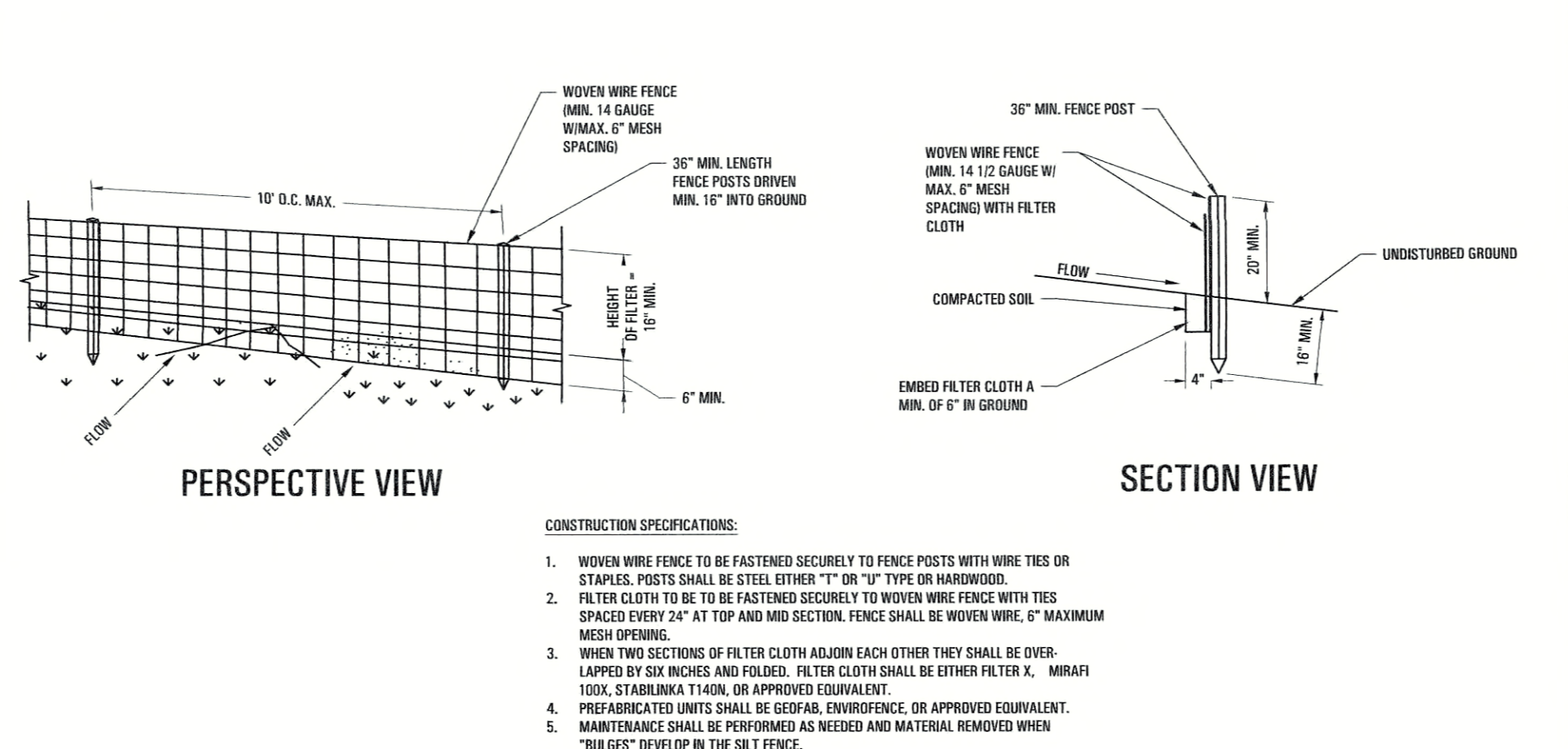
NYSDEC STABILIZED CONSTRUCTION ENTRANCE N.T.S.



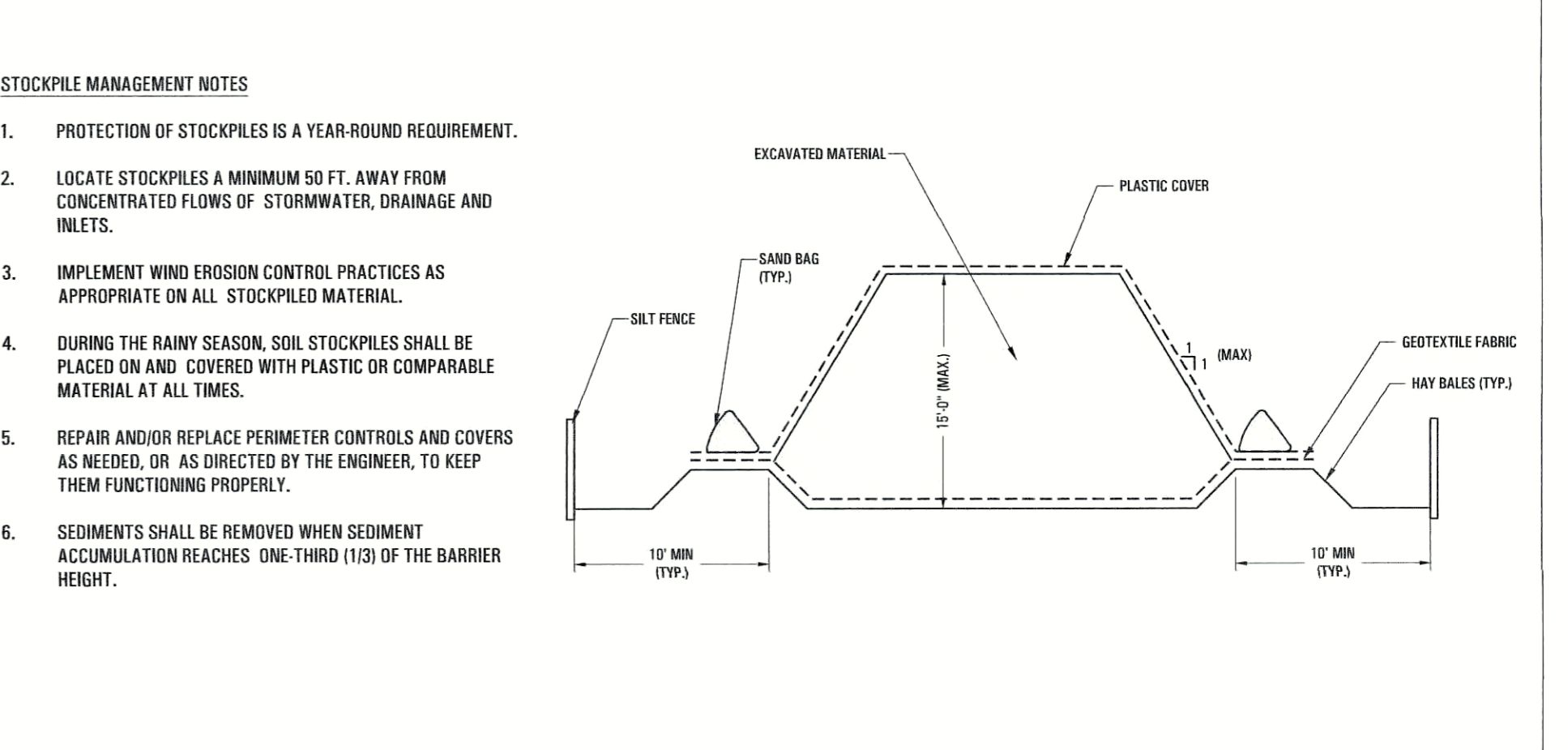
CONCRETE WASHOUT STATION N.T.S.



NYSDEC FILTER FABRIC DROP INLET PROTECTION N.T.S.

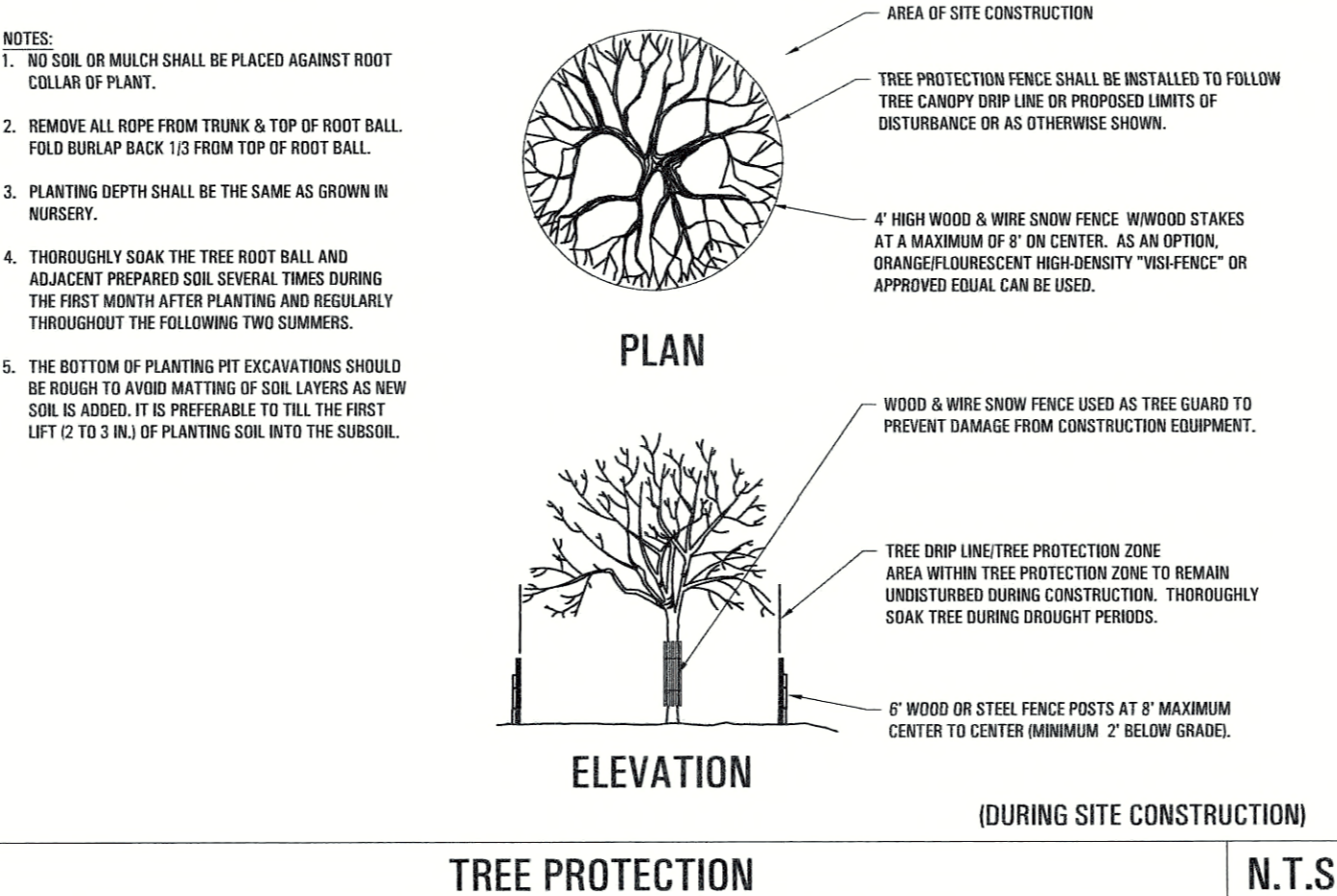


NYSDEC SILT FENCE N.T.S.



EXCAVATED MATERIAL STOCK PILE N.T.S.

BMP IMPLEMENTATION AND MAINTENANCE SEQUENCE		
PHASE	BMP ACTIVITIES	MAINTENANCE FREQUENCY
1. PRE-CONSTRUCTION MEETING	- DISCUSS SCOPE OF WORK - DISCUSS HOW BMP'S WILL BE IMPLEMENTED	ONCE UPON KICK-OFF
2. EVALUATE THE SITE	- IDENTIFY SOIL STOCKPILE STORAGE AND CONSTRUCTION STAGING AREAS	WEEKLY OR AS REQUIRED
3. INSTALL PERIMETER EROSION CONTROL PRACTICES	- PROTECT PERIMETER AREAS AS SHOWN ON THE PLANS - INSTALL SILT FENCE AS SHOWN ON PLANS - INSTALL TEMPORARY STABILIZED CONSTRUCTION ENTRANCE/EXIT	WEEKLY OR AS REQUIRED
4. PREPARE THE SITE FOR REMOVALS	- FOLLOW REMOVALS PLAN	AS REQUIRED
5. PREPARE THE SITE FOR CONSTRUCTION	- ADJUST SILT FENCE AS REQUIRED AND/OR AS SHOWN ON THE PLANS - LOCATE THE STOCKPILES AND IDENTIFY ON PLANS	AS REQUIRED
6. PRE-GRADING	- INSTALL TEMPORARY DIVERSION INFILTRATION SWALE AS SHOWN ON THE PLANS - INSTALL TEMPORARY SEDIMENT BASINS AS SHOWN ON THE PLANS - SITE EVALUATION INSPECTION BY QUALIFIED PROFESSIONAL (E.G. ENGINEER OR ESC. INSPECTOR) - ROUGH GRADE SITE	WEEKLY OR AS REQUIRED
7. CONSTRUCTION FOUNDATION SYSTEM	- INSTALL FOUNDATION - PROVIDE TEMPORARY STABILIZATION OF BUILDING PAD AREA	AS REQUIRED
8. BUILD THE STRUCTURE(S) AND INSTALL THE UTILITIES	- GRADE SITE AREAS - STABILIZE EXPOSED AREAS - APPLY DUST CONTROL PRACTICES - INSTALL TEMPORARY RUN-OFF AND DRAINAGE CONTROL - INSTALL NEW DRAINAGE SYSTEM - INSTALL TEMPORARY INLET PROTECTION FOR NEW SYSTEM	AS REQUIRED
9. MAINTAIN EROSION CONTROL PRACTICES	- MAINTAIN ALL EROSION AND SEDIMENT CONTROL PRACTICES UNTIL CONSTRUCTION IS COMPLETED AND SITE IS STABILIZED - INSPECT THE CONTROL PRACTICES A MINIMUM OF ONCE PER WEEK AND AFTER EVERY 1/2" RAINFALL - REMOVE SEDIMENT FROM SEDIMENT BASINS - SWEEP UP THE SOIL ON ROADWAYS DAILY - DO NOT FLUSH AREAS WITH WATER - INSTALL ADDITIONAL CONTROL MEASURES AS REQUIRED BY THE STATE, COUNTY & TOWN	AS REQUIRED
10. REVEGETATE SITE	- FINALIZE GRADING AND LANDSCAPING - ESTABLISH PERMANENT VEGETATION - WATER NEWLY SEED OR SODDED AREAS	ANNUALLY OR AS REQUIRED
11. REMOVE TEMPORARY EROSION CONTROL MEASURES	- REMOVE TEMPORARY ESC MEASURES WHEN 85% STABILIZATION ACHIEVED	AS REQUIRED
INSPECTIONS	- PRE-CONSTRUCTION - 7 DAY - POST RAINFALL - POST CONSTRUCTION	AS REQUIRED



TREE PROTECTION N.T.S.

NOTES:
1. BMP ACTIVITIES IDENTIFIED FOR EACH PHASE DESCRIPTION SHALL BE IMPLEMENTED AT THE START OF EACH PHASE AND BE MAINTAINED UNTIL PERMANENT STABILIZATION IS ACHIEVED.
2. IMPLEMENTATION OF BMP ACTIVITIES SHALL IN NO WAY RELIEVE THE CONTRACTOR OF OBLIGATIONS REGARDING OTHER CONSTRUCTION ACTIVITIES AND TIMEFRAMES.

THE DETAILS SHOWN HEREIN REPRESENT THE MINIMUM REQUIREMENTS FOR THIS PROJECT BASED UPON MUNICIPAL REQUIREMENTS, RECOMMENDED PRACTICES/STANDARDS WITHIN THE CONSTRUCTION INDUSTRY AND THE DESIGN INTENT OF THE ENGINEER-OF-RECORD. THEY DO NOT PRECLUDE THE CONTRACTOR FROM FURNISHING MATERIALS OF GREATER QUALITY OR IMPLEMENTING METHODS OF HIGHER EFFICIENCY PROVIDED THEY MEET OR EXCEED THE DESIGN INTENT AND PROJECT PERFORMANCE SPECIFICATIONS. FIELD CONDITIONS PRESENT SITUATIONS THAT PREVENT THESE FROM THEIR UTILITY OR THEIR ATTENDED PRESENT THRESHOLD. THE CONTRACTOR SHALL NOTIFY THE ENGINEER-OF-RECORD IMMEDIATELY AND PRIOR TO CONSTRUCTION, IN ALL CASES. ANY DEVIATIONS CONTEMPLATED MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER-OF-RECORD IMMEDIATELY AND MUST BE APPROVED IN WRITING PRIOR TO IMPLEMENTATION.

TOTAL PERMITS

LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE

J. NAZZARO LP
3320 Crompond Road (NYS Rte. 35/202)
Yorktown Heights (Town of Yorktown - Westchester County), NY 10589
Tel: 631.656.3222 Fax: 631.750.8050

C4.2
7 OF 13

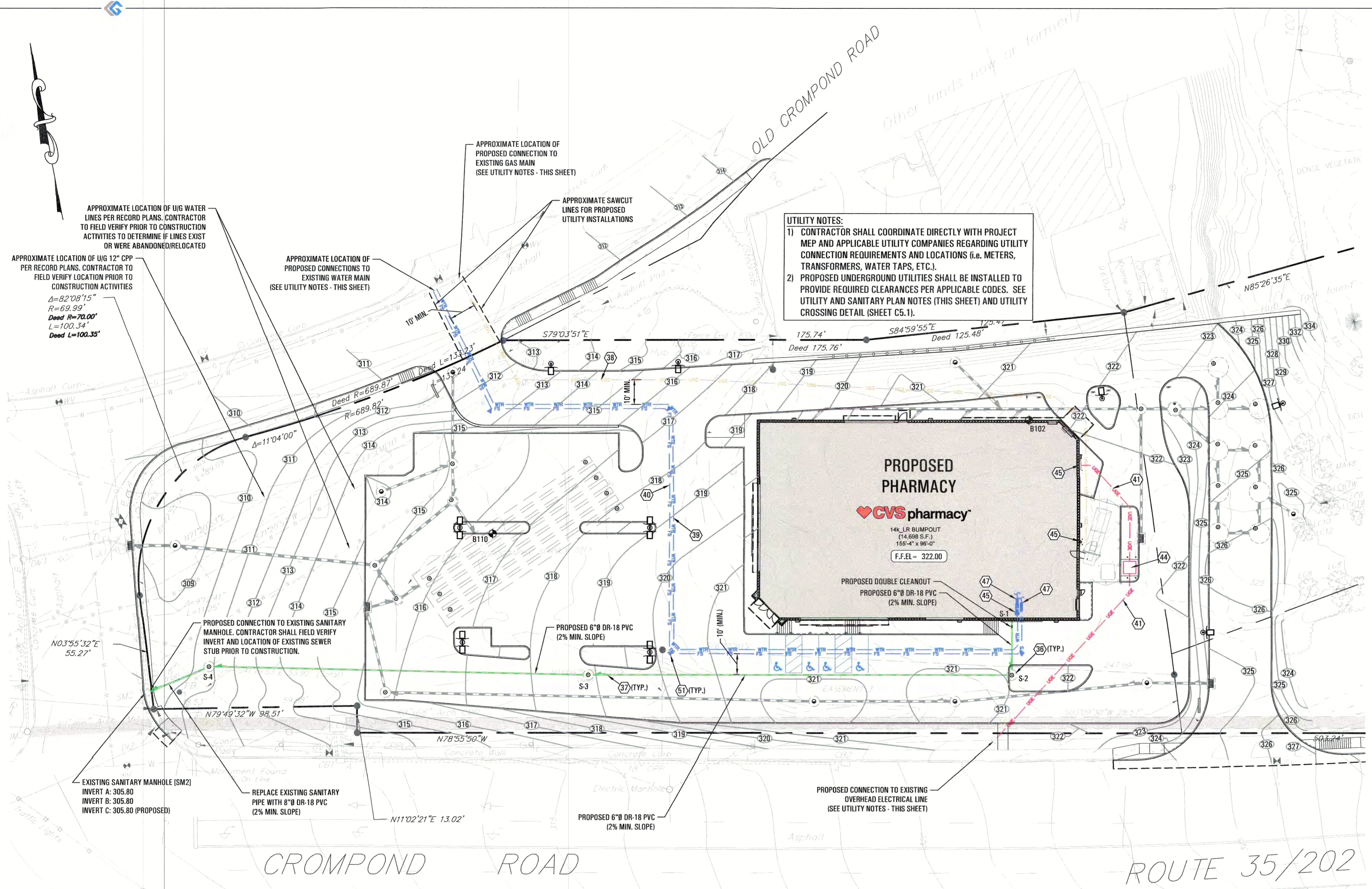
STORMWATER POLLUTION PREVENTION PLAN DETAILS SHEET

Revision Table:
No. | Date | By | Description
1 | 8/27/19 | LKA | Prepared Permitting & Drainage per DEP Comments
2 | 9/23/19 | LKB | Permitting Comments
3 | 11/21/19 | LKB | Permitting Comments

Professional Seal: Daniel J. Poverano, P.E., License No. 13000, State of New York, Professional Engineer. Project # L613-0337-073, Drawing # L613-0337-073, Date: 4/10/19, New York License No. 089025.

Know what's below.
Call before you dig.
1-800-962-7962

This drawing is copyrighted and protected under the laws of the United States of America. Any unauthorized use or reproduction of this document without written consent of Lauro Group, Inc. is an infringement upon Copyright Laws. Violations will be subject to prosecution by the full extent of the law. The Client may make and retain copies of this document for information and reference in connection with this specific project. This document is not intended to be used for any other project. Any such use or modification of the project or on any other project, without written permission, notification or further due diligence and adaptation by Engineer of Record and adaptation by Engineer of Record as appropriate for the specific purpose intended will be at Client's sole risk and without liability or legal exposure to Engineer of Record and Lauro Group, Inc. Client shall indemnify and hold harmless Engineer of Record and Lauro Group, Inc. from any and all claims, damages, losses and expenses, including attorney fees arising out of or resulting therefrom. The Education Law of the State of New York prohibits any person altering anything on these drawings and/or the accompanying specifications, unless it is under the direction of a Licensed Professional Engineer. Where such alterations are made, the Professional Engineer must sign, seal, date and describe the full extent of the alteration in the drawing and/or in the specifications. NYS Education Law Section 7209(2)



UTILITY NOTES:
 1) CONTRACTOR SHALL COORDINATE DIRECTLY WITH PROJECT MEP AND APPLICABLE UTILITY COMPANIES REGARDING UTILITY CONNECTION REQUIREMENTS AND LOCATIONS (i.e. METERS, TRANSFORMERS, WATER TAPS, ETC.).
 2) PROPOSED UNDERGROUND UTILITIES SHALL BE INSTALLED TO PROVIDE REQUIRED CLEARANCES PER APPLICABLE CODES. SEE UTILITY AND SANITARY PLAN NOTES (THIS SHEET) AND UTILITY CROSSING DETAIL (SHEET C5.1).

UTILITY AND SANITARY PLAN NOTES

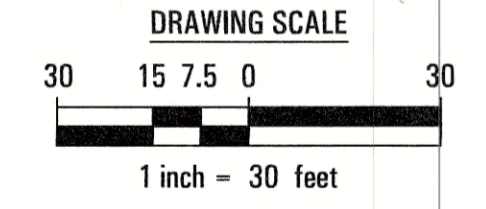
- The crossing of water and sewer lines shall be as follows:
 - Sewer lines shall be laid below the water line with a vertical separation of at least eighteen inches between the bottom of the water line and the top of the sewer line.
 - Sewer line joints shall be at least 10 feet from the point of crossing.
 - When local conditions prevent placement of the water line above the sewer line, the following additional conditions apply:
 - A vertical separation of at least eighteen inches shall be provided between the bottom of the sewer line and the top of the water line.
 - Water line joints shall be at least ten feet from the point of crossing.
 - Sewer lines shall be constructed of materials and joints that are in accordance with water main standards of construction and shall be pressure-tested to assure watertightness prior to backfilling.
- Water service shall be a minimum 4.5 feet below grade. Domestic water service piping shall be type "K" copper tubing. Refer to separate plans for water service and for backflow prevention device(s) installation.
- All proposed and existing utility locations, points of entry, and sizes are schematic only and are based upon information available at the time of plan preparation. The actual lengths, sizes, and locations of cables, pipes, conduits, valves, meters, etc. are subject to change based on utility company requirement. Contractor shall verify the requirements and scope of responsibility of each utility company and coordinate the installation of all utilities prior to commencement of construction.
- Contractor to furnish and install all underground conduits and/or piping for all new utility services (gas, water, electric, telephonic/cable) in accordance with utility company standards. All utilities, conduits and associated appurtenances shall be furnished and installed by the contractor in accordance with the utility company specifications, as well as all other appropriate governing agencies.

UTILITY PLAN KEYNOTES

Item	Note
(36)	Sanitary Structure
(37)	Sanitary Sewer Line
(38)	Underground Gas Service (Refer to MEP drawings for size)
(39)	Domestic Water Service (Refer to MEP drawings for size)
(40)	Fire Sprinkler Service (Refer to MEP drawings for size)
(41)	Underground Electric Service
(44)	Electric Transformer
(45)	Utility Meter
(47)	Backflow Prevention Device
(51)	Thrust Block

LEGEND

Existing	Item	Proposal
	Building	
	Sawcut Line	
	Property Line	
	Dep. Curb	
	Curb	
	Utility Pole/Light Pole	
	Guy Wire	
	Area Light	
	Sign	
	Overhead Wires	
	Traffic Lights	
	Traffic Box	
	Manhole Cover	
	Inlets	
	Catch Basin	
	Drainage Manhole	
	Drywell	
	Water Valve	
	Gas Valve	
	Tree(s)	
	Tree Line	
	Brush	
	Fence	
	Key Note Label	(12)
	U/G Domestic Water Service	WTR
	U/G Fire Sprinkler Service	FS
	U/G Gas Service	UGS
	U/G Electric Service	UGE
	U/G Storm Drainage Pipe	
	Contour Line	315
	U/G Sanitary Line	
	Boring	B102
	Thrust Block	



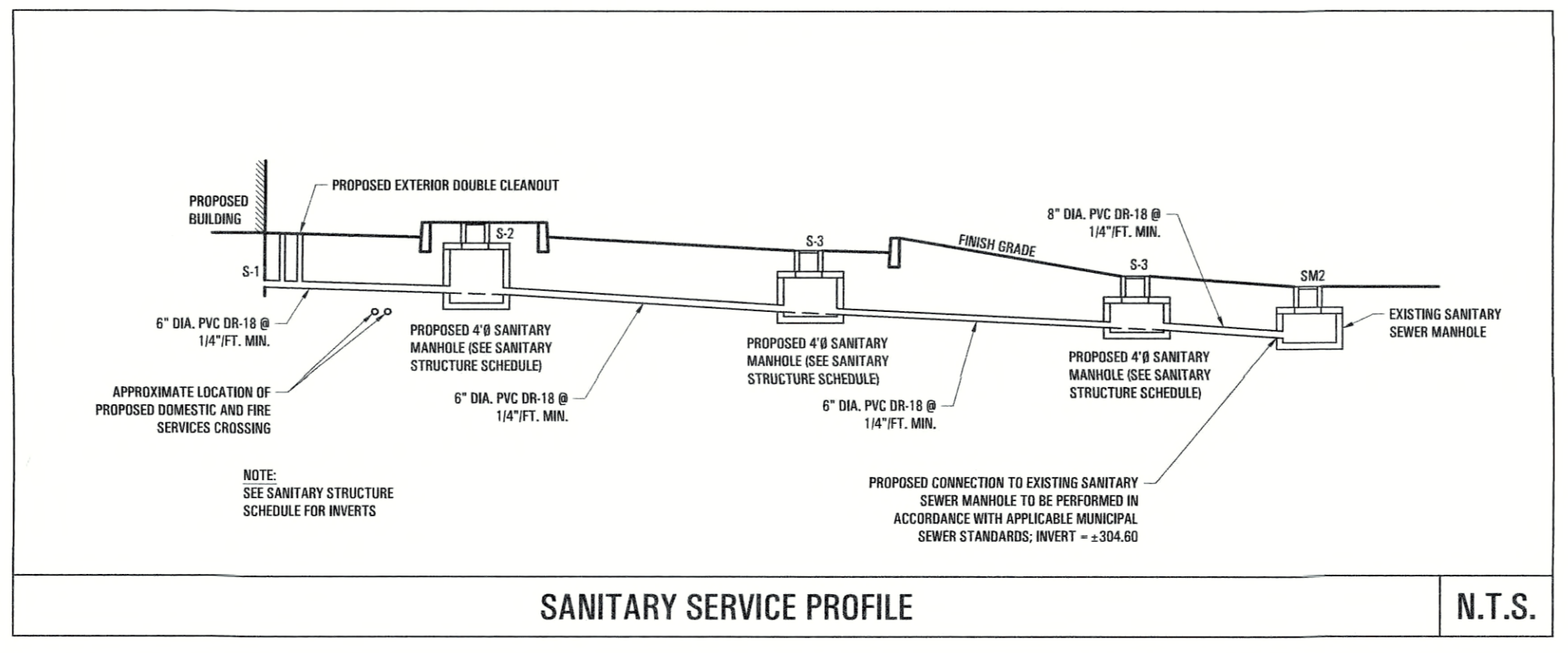
BORING LOG - B102	
DEPTH	DESCRIPTION
0	Surface
0-1	Topsoil, brown gray SILT and medium to fine SAND; trace fine angular and angular gravel.
1-2	Similar to above.
2-3	Similar to above.
3-4	Similar to above.
4-5	Similar to above.
5-6	Similar to above.
6-7	Similar to above.
7-8	Similar to above.
8-9	Similar to above.
9-10	Similar to above.
10-11	Similar to above.
11-12	Similar to above.
12-13	Similar to above.
13-14	Similar to above.
14-15	Similar to above.
15-16	Similar to above.
16-17	Similar to above.
17-18	Similar to above.
18-19	Similar to above.
19-20	Similar to above.
20-21	Similar to above.
21-22	Similar to above.
22-23	Similar to above.
23-24	Similar to above.
24-25	Similar to above.
25-26	Similar to above.
26-27	Similar to above.
27-28	Similar to above.
28-29	Similar to above.
29-30	Similar to above.
30-31	Similar to above.
31-32	Similar to above.
32-33	Similar to above.
33-34	Similar to above.
34-35	Similar to above.
35-36	Similar to above.
36-37	Similar to above.
37-38	Similar to above.
38-39	Similar to above.
39-40	Similar to above.
40-41	Similar to above.
41-42	Similar to above.
42-43	Similar to above.
43-44	Similar to above.
44-45	Similar to above.
45-46	Similar to above.
46-47	Similar to above.
47-48	Similar to above.
48-49	Similar to above.
49-50	Similar to above.
50-51	Similar to above.
51-52	Similar to above.
52-53	Similar to above.
53-54	Similar to above.
54-55	Similar to above.
55-56	Similar to above.
56-57	Similar to above.
57-58	Similar to above.
58-59	Similar to above.
59-60	Similar to above.
60-61	Similar to above.
61-62	Similar to above.
62-63	Similar to above.
63-64	Similar to above.
64-65	Similar to above.
65-66	Similar to above.
66-67	Similar to above.
67-68	Similar to above.
68-69	Similar to above.
69-70	Similar to above.
70-71	Similar to above.
71-72	Similar to above.
72-73	Similar to above.
73-74	Similar to above.
74-75	Similar to above.
75-76	Similar to above.
76-77	Similar to above.
77-78	Similar to above.
78-79	Similar to above.
79-80	Similar to above.
80-81	Similar to above.
81-82	Similar to above.
82-83	Similar to above.
83-84	Similar to above.
84-85	Similar to above.
85-86	Similar to above.
86-87	Similar to above.
87-88	Similar to above.
88-89	Similar to above.
89-90	Similar to above.
90-91	Similar to above.
91-92	Similar to above.
92-93	Similar to above.
93-94	Similar to above.
94-95	Similar to above.
95-96	Similar to above.
96-97	Similar to above.
97-98	Similar to above.
98-99	Similar to above.
99-100	Similar to above.

BORING LOG - B110	
DEPTH	DESCRIPTION
0	Surface
0-1	Topsoil, brown SILT and medium to fine SAND; trace fine angular and angular gravel.
1-2	Similar to above.
2-3	Similar to above.
3-4	Similar to above.
4-5	Similar to above.
5-6	Similar to above.
6-7	Similar to above.
7-8	Similar to above.
8-9	Similar to above.
9-10	Similar to above.
10-11	Similar to above.
11-12	Similar to above.
12-13	Similar to above.
13-14	Similar to above.
14-15	Similar to above.
15-16	Similar to above.
16-17	Similar to above.
17-18	Similar to above.
18-19	Similar to above.
19-20	Similar to above.
20-21	Similar to above.
21-22	Similar to above.
22-23	Similar to above.
23-24	Similar to above.
24-25	Similar to above.
25-26	Similar to above.
26-27	Similar to above.
27-28	Similar to above.
28-29	Similar to above.
29-30	Similar to above.
30-31	Similar to above.
31-32	Similar to above.
32-33	Similar to above.
33-34	Similar to above.
34-35	Similar to above.
35-36	Similar to above.
36-37	Similar to above.
37-38	Similar to above.
38-39	Similar to above.
39-40	Similar to above.
40-41	Similar to above.
41-42	Similar to above.
42-43	Similar to above.
43-44	Similar to above.
44-45	Similar to above.
45-46	Similar to above.
46-47	Similar to above.
47-48	Similar to above.
48-49	Similar to above.
49-50	Similar to above.
50-51	Similar to above.
51-52	Similar to above.
52-53	Similar to above.
53-54	Similar to above.
54-55	Similar to above.
55-56	Similar to above.
56-57	Similar to above.
57-58	Similar to above.
58-59	Similar to above.
59-60	Similar to above.
60-61	Similar to above.
61-62	Similar to above.
62-63	Similar to above.
63-64	Similar to above.
64-65	Similar to above.
65-66	Similar to above.
66-67	Similar to above.
67-68	Similar to above.
68-69	Similar to above.
69-70	Similar to above.
70-71	Similar to above.
71-72	Similar to above.
72-73	Similar to above.
73-74	Similar to above.
74-75	Similar to above.
75-76	Similar to above.
76-77	Similar to above.
77-78	Similar to above.
78-79	Similar to above.
79-80	Similar to above.
80-81	Similar to above.
81-82	Similar to above.
82-83	Similar to above.
83-84	Similar to above.
84-85	Similar to above.
85-86	Similar to above.
86-87	Similar to above.
87-88	Similar to above.
88-89	Similar to above.
89-90	Similar to above.
90-91	Similar to above.
91-92	Similar to above.
92-93	Similar to above.
93-94	Similar to above.
94-95	Similar to above.
95-96	Similar to above.
96-97	Similar to above.
97-98	Similar to above.
98-99	Similar to above.
99-100	Similar to above.

SANITARY STRUCTURE SCHEDULE

STRUCTURE NAME	STRUCTURE TYPE	RIM ELEVATION	INVERT IN	INVERT OUT
S-1	HOUSE CONNECTION	321.50	---	318.00
S-2	4"Ø MANHOLE WITH FORMED INVERT	321.55	317.50	317.40
S-3	4"Ø MANHOLE WITH FORMED INVERT	318.90	310.50	310.40
S-4	4"Ø MANHOLE WITH FORMED INVERT	310.80	306.65	306.55
SM-2	EXISTING SANITARY MANHOLE	309.70	305.80	---

NOTE: CONTRACTOR SHALL CONFIRM EXACT LOCATION AND ELEVATION OF SEWER MAIN SPUR INVERT AND CONTACT ENGINEER OF RECORD BEFORE START OF CONSTRUCTION



BORING LOGS

SANITARY SERVICE PROFILE

N.T.S.

LAURO GROUP
 DIVERSIFIED ALLIANCE IN LAND USE
 1801 Veterans Memorial Hwy, Suite 330, Islandia, NY 11749
 Tel: 631.656.3222 Fax: 631.750.8050 Project #: LG13-0337-CP3

J. NAZZARO LP
 3320 Crompond Road (WS Rte. 35/202)
 Yorktown Heights (Town of Yorktown - Westchester County), NY 10588
 Tax Map #: 26-18-1-23-25 & 26

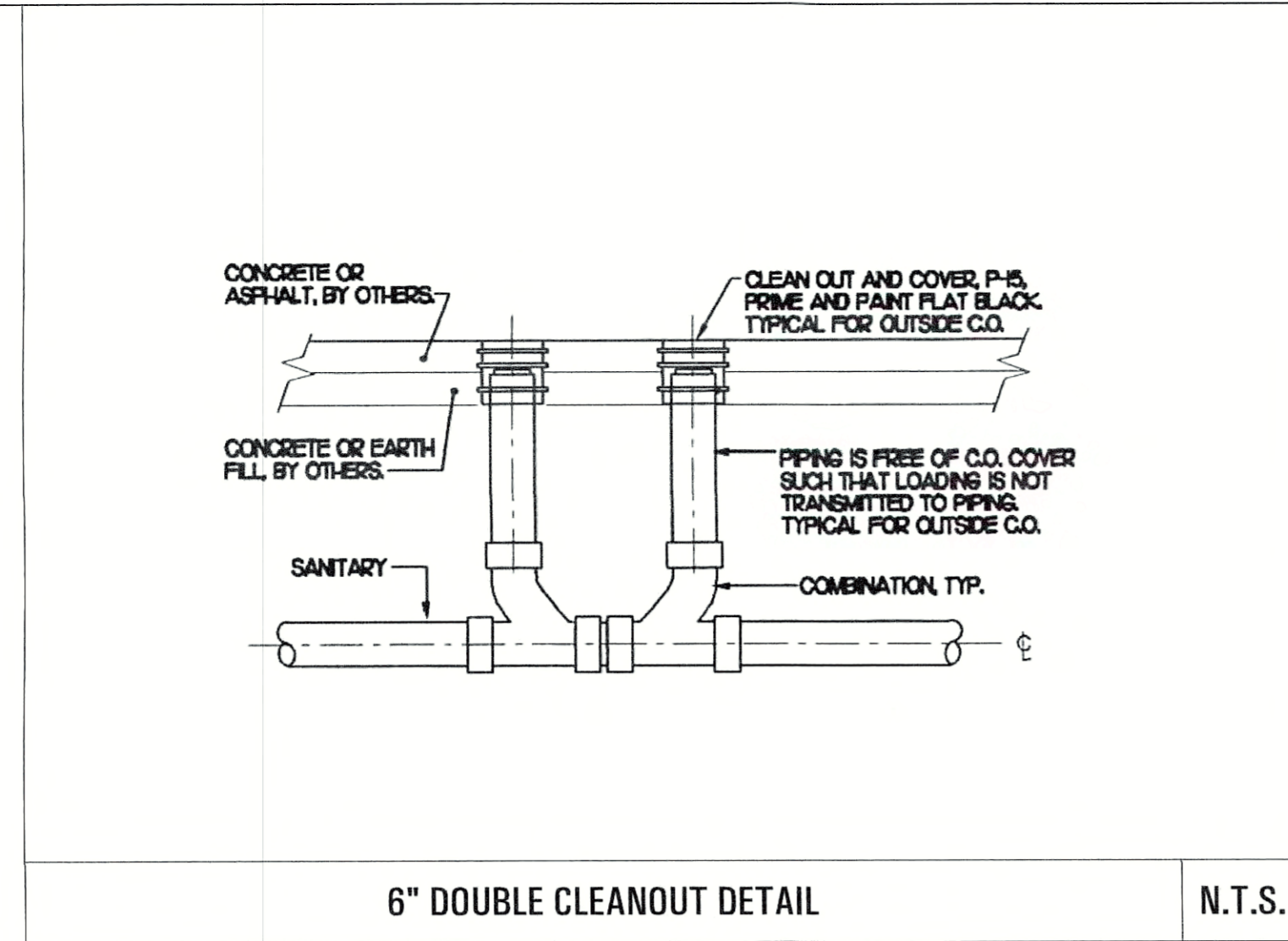
C5.0
 SHEET 8 OF 13

UTILITY & SANITARY PLAN

Revision: 1 8/27/19 K.A. Town Engineering Comments
 2 9/23/19 K.A. Revised Grading & Drainage per DEP Comments
 3 11/21/19 L.S.B. Planning Comments

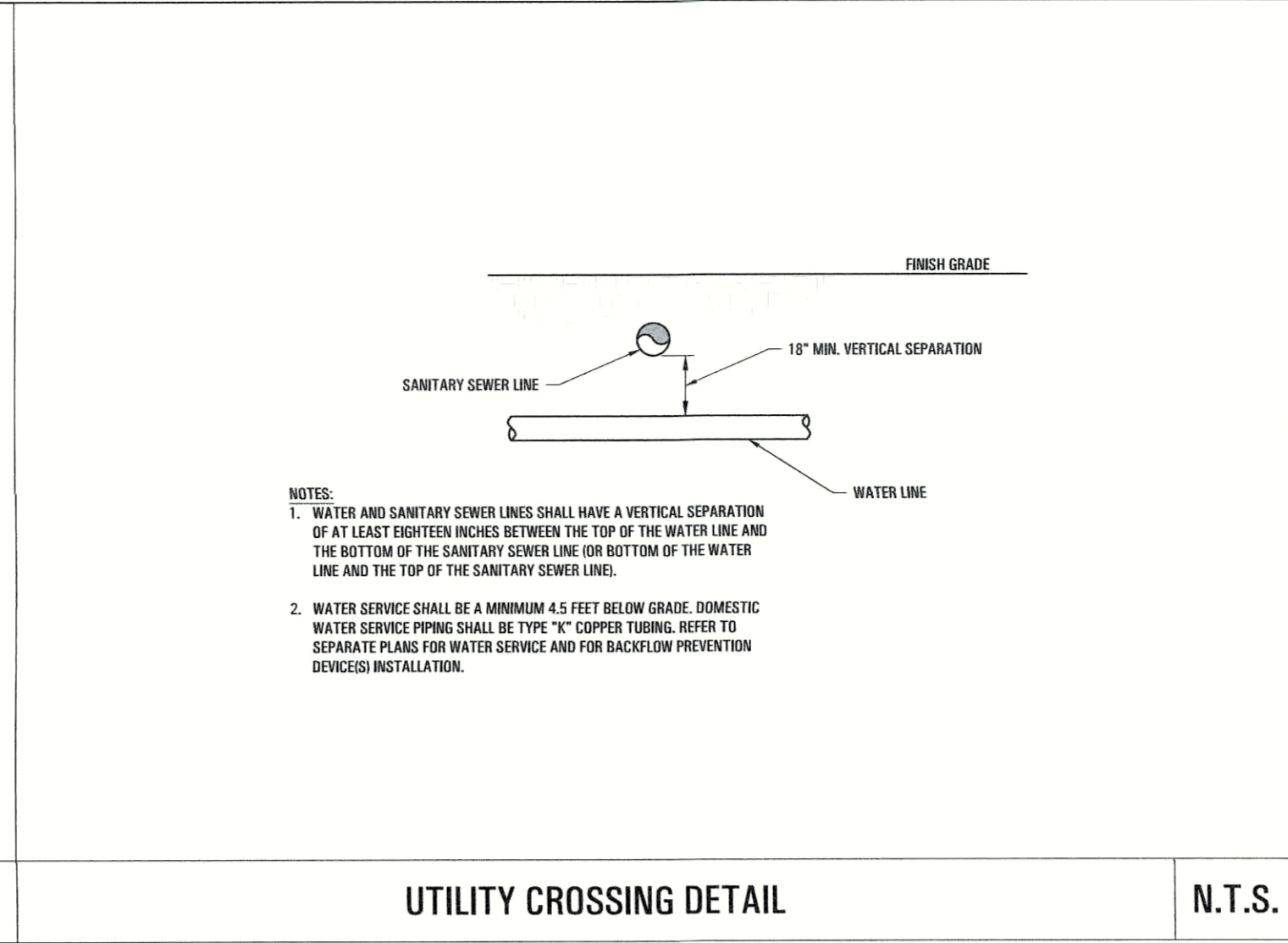
Permit Set: PERMIT SET
 Project #: LG13-0337-CP3 Date: 4/10/19

1. This Drawing is copyrighted and protected under the Laws of the United States of America. Any unauthorized use or reproduction of this document without written consent of Lauro Group, Inc. is an infringement upon Copyright Laws. Violators will be subject to prosecution by the full extent of the Law.
2. The Client may make and use copies of this document for information and reference in connection with this specific project. This document is not intended or represented to be suitable for reuse by others on any other project. Any such reuse or modification without written permission, verification or further due diligence and adaptation by Engineer of Record or appropriate for the specific purpose intended will be at Client's sole risk and without liability or legal exposure to Engineer of Record or Lauro Group, Inc. Client shall indemnify and hold harmless Engineer of Record or Lauro Group, Inc. from any and all claims, damages, losses and expenses, including attorney fees arising out of or resulting therefrom.
3. The Education Law of the State of New York prohibits any person altering anything on these drawings and/or the accompanying specifications, unless it is under the direction of a Licensed Professional Engineer. Where such alterations are made, the Professional Engineer must sign, seal, date and describe the full extent of the alteration on the drawings and/or in the specifications. NYS Education Law Section 7209(2)



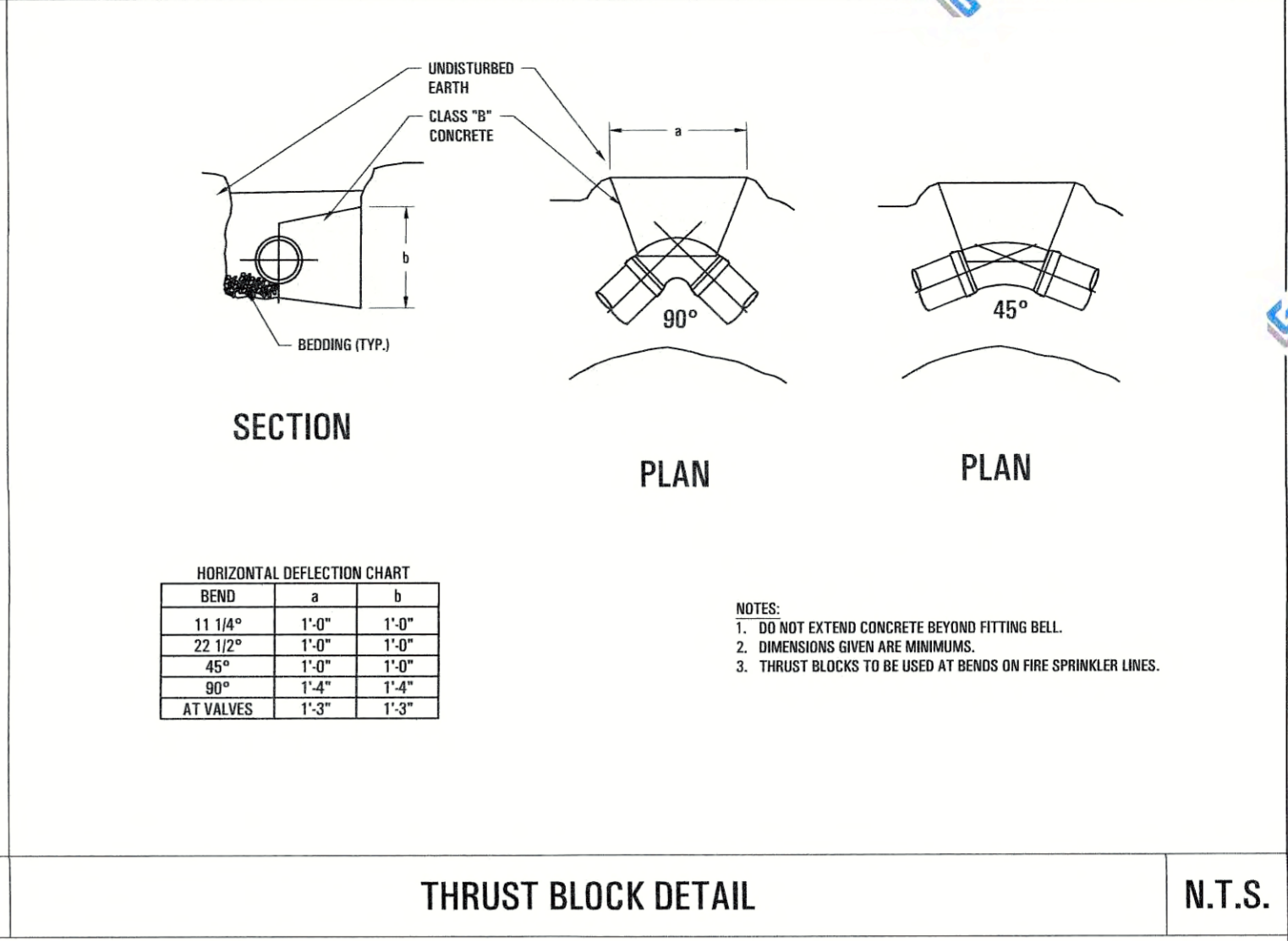
6" DOUBLE CLEANOUT DETAIL

N.T.S.



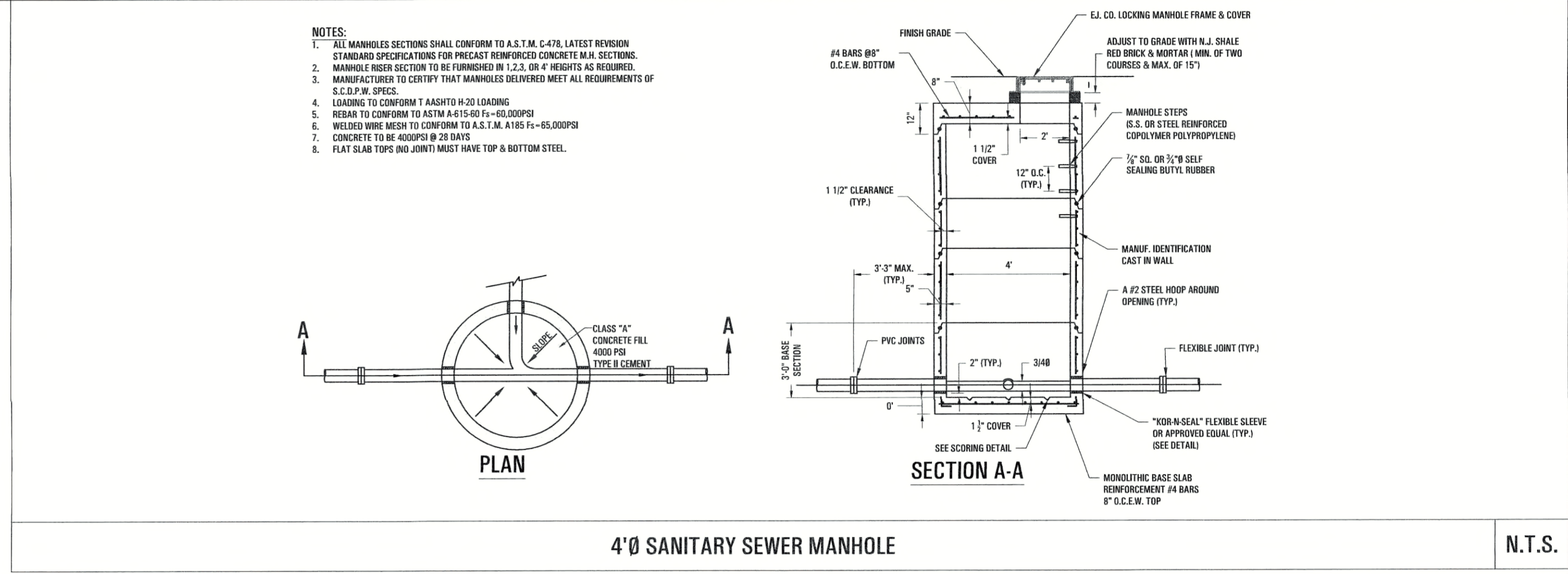
UTILITY CROSSING DETAIL

N.T.S.



THRUST BLOCK DETAIL

N.T.S.



4" SANITARY SEWER MANHOLE

N.T.S.

THE DETAILS SHOWN HEREON REPRESENT THE MINIMUM REQUIREMENTS FOR THIS PROJECT BASED UPON MUNICIPAL REQUIREMENTS, RECOMMENDED PRACTICES/STANDARDS WITHIN THE CONSTRUCTION INDUSTRY AND THE DESIGN INTENT OF THE ENGINEER OF RECORD. THEY DO NOT PRECLUDE THE CONTRACTOR FROM PROVIDING MATERIALS OF GREATER QUALITY OR IMPLEMENTING METHODS OF HIGHER EFFICIENCY PROVIDED THEY MEET OR EXCEED THE DESIGN INTENT AND PROJECT PERFORMANCE SPECIFICATIONS. FURTHERMORE, SHOULD FIELD CONDITIONS PRESENT SITUATIONS THAT PREVENT THESE DETAILS FROM THEIR FULLY OR THEIR ANTICIPATED EFFECTIVENESS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY AND PRIOR TO CONSTRUCTION. IN ALL CASES, ANY DEVIATIONS CONTEMPLATED MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY AND MUST BE APPROVED IN WRITING PRIOR TO IMPLEMENTATION.

UTILITY & SANITARY DETAILS

Civil Plan Package for Proposed

J. NAZZARO LP
3320 Connaught Road (NYS Rte. 36/202)
Yorktown Heights (Town of Yorktown - Westchester County), NY 10588
Tel: 914.337.8800 Fax: 914.337.8801

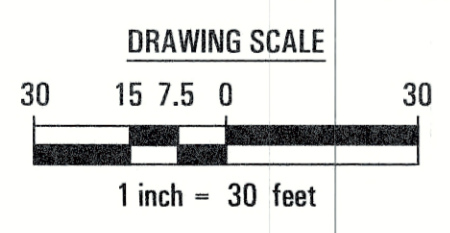
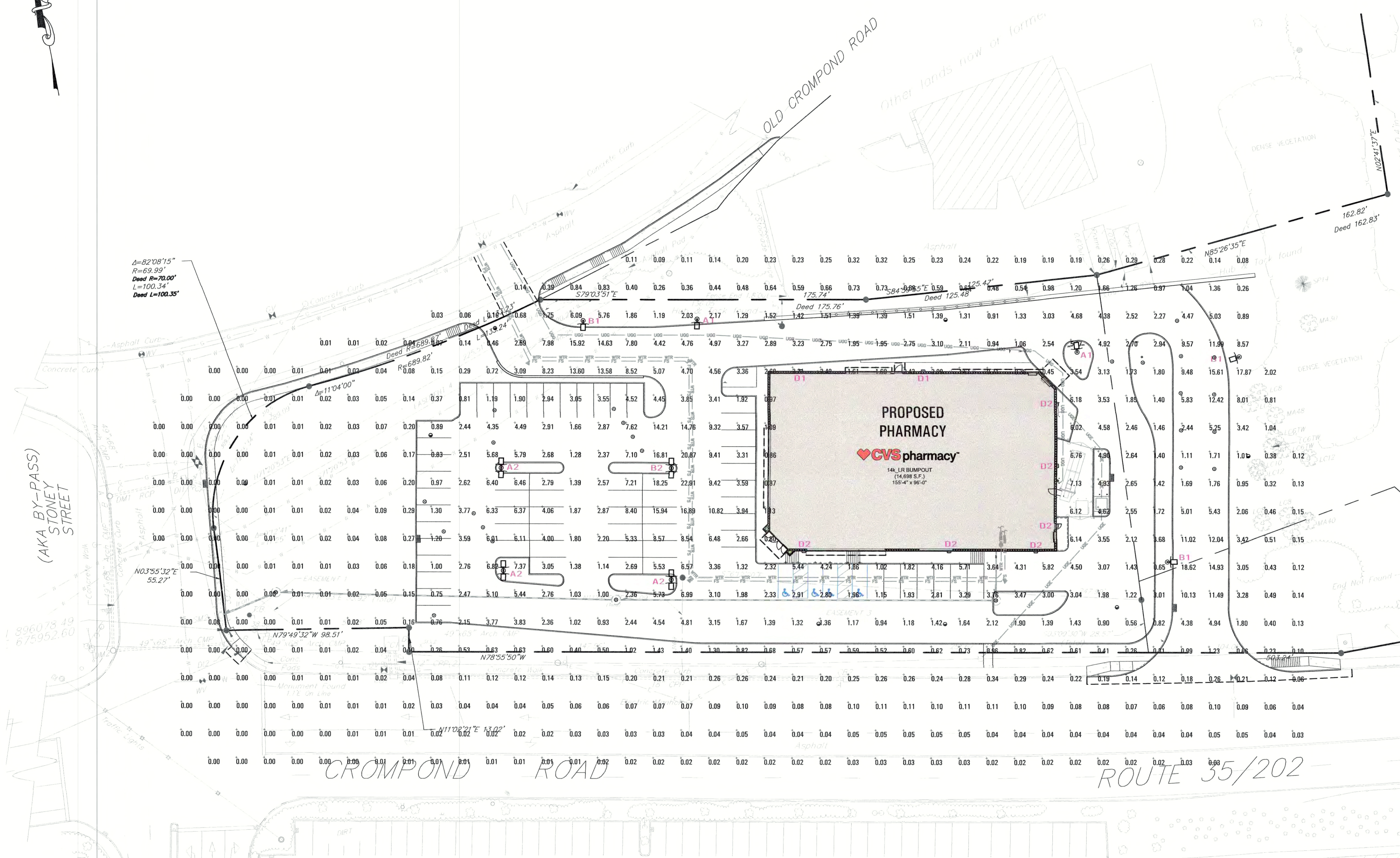
C5.1 9 OF 13

LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE
One Suffolk Square, 1801 Veterans Memorial Hwy, Suite 330, Islip, NY 11749
Tel: 631.666.3222 Fax: 631.760.8050 Project #: LG13-0337-CF3

Revision Table:
No. | Date | By | Town Engineering Comments
1 | 8/27/19 | KA | Revised Grading & Drainage per DEP Comments
2 | 9/23/19 | KA | Planning Comments
3 | 11/12/19 | LSB |

PERMIT SET
Project #: LG13-0337 (Drawn by): KAL/LSB (Drawing #: LG13-0337-CF3) Date: 4/10/19
Professional Engineer
Daniel J. Pevraro
DJP ENGINEERING, PLLC
New York License No. 088825

1. This drawing is copyrighted and protected under the laws of the United States of America. Any unauthorized use or reproduction of this document without written consent of Lauro Group, Inc. is an infringement upon Copyright Laws. Violators will be subject to prosecution by the full extent of the law.
2. The Client may make and retain copies of this drawing for information and reference in connection with the specific project. This document is not intended or represented to be available for use by any other project. Any such reuse or modification without written permission, verification or further due diligence and adaptation by Engineer of Record as appropriate for the specific purpose intended will be at Client's sole risk and without liability or legal exposure to Engineer of Record and Lauro Group, Inc. Client shall indemnify and hold harmless Engineer of Record and Lauro Group, Inc. from any and all claims, damages, losses and expenses, including attorney fees arising out of or resulting therefrom.
3. The Education Law of the State of New York prohibits any person altering anything on these drawings and/or the accompanying specifications, unless it is under the direction of a Licensed Professional Engineer. Where such alterations are made, the Professional Engineer must sign, seal, date and describe the full extent of the alteration on the drawing and/or in the specifications. (NYS Education Law Section 7209-2)



CALCULATION SUMMARY					
LABEL	AVG.	MAX	MIN.	AVG./MIN.	MAX./MIN.
OVERALL	1.83	22.91	0.00	N/A	N/A
PARKING	4.19	22.90	0.45	9.31	50.89

LUMINAIRE SCHEDULE					
SYMBOL	LABEL	QTY.	DESCRIPTION	MTG. HT.	WATTS
⊕	A1	2	DSX1LED-P4-40K-TFTM-MVOLT-HS-DOBXD	16	125
⊕	A2	3	DSX1LED-P4-40K-TFTM-MVOLT-HS-DOBXD (D180)	16	125
⊕	B1	3	DSX2LED-P8-40K-TFTM-MVOLT-HS-DOBXD	16	431
⊕	B2	1	DSX2LED-P8-40K-TFTM-MVOLT-HS-DOBXD (D180)	16	431
⊕	D1	2	DSXW2LED-30C-700-40K-TFTM-MVOLT-DOBXD	16	71
⊕	D2	6	DSXW2LED-30C-1000-40K-TFTM-MVOLT-DOBXD	16	109

LIGHTING NOTES

- Since actual lighting levels can vary from the design calculations as a result of several factors (landscaping, ambient light sources, etc.), the contractor shall measure/verify the resulting illumination post construction and effect any adjustments necessary to achieve the design intent.
- Light levels depicted are calculated at grade.
- All exterior illumination shall be less than 1.0 footcandles at the property line and all such lighting, other than lighting of roads, parking areas or buildings essential for safety or security purposes or as required by government regulation, shall be extinguished within 1/2 hour after the close of business. Lights that are controlled by photocells and timers are encouraged, as is the use of sensor-activated lights to replace existing lighting which may be needed for safety or emergency purposes. (S200-6 D.)

FOR DETAILED LIGHTING SPECIFICATION, PLEASE SEE MANUFACTURER'S CUT SHEETS.

CATALOG NUMBER:
A1) DSX1LED-P4-40K-TFTM-MVOLT-HS-DOBXD
A2) DSX1LED-P4-40K-TFTM-MVOLT-HS-DOBXD (D180)

d'series

FOR DETAILED LIGHTING SPECIFICATION, PLEASE SEE MANUFACTURER'S CUT SHEETS.

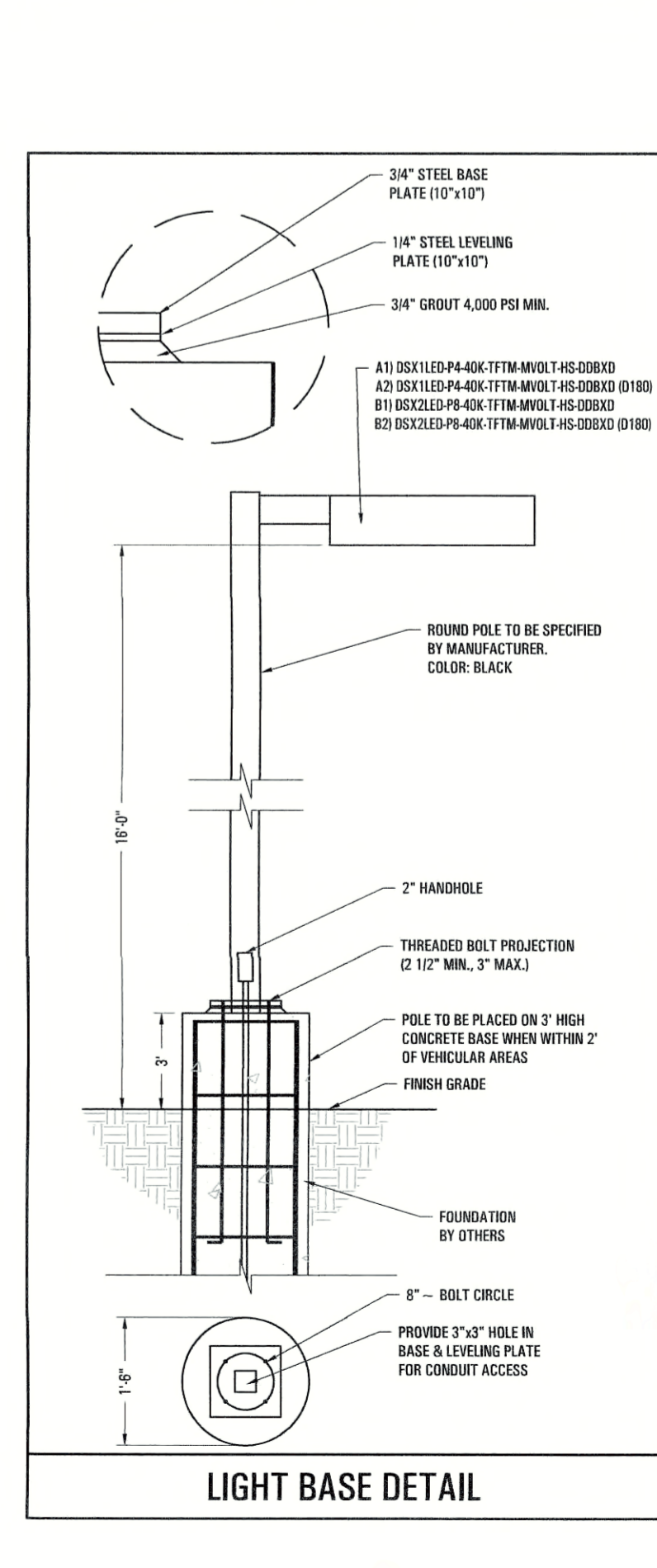
CATALOG NUMBER:
B1) DSX2LED-P8-40K-TFTM-MVOLT-HS-DOBXD
B2) DSX2LED-P8-40K-TFTM-MVOLT-HS-DOBXD (180)

d'series

FOR DETAILED LIGHTING SPECIFICATION, PLEASE SEE MANUFACTURER'S CUT SHEETS.

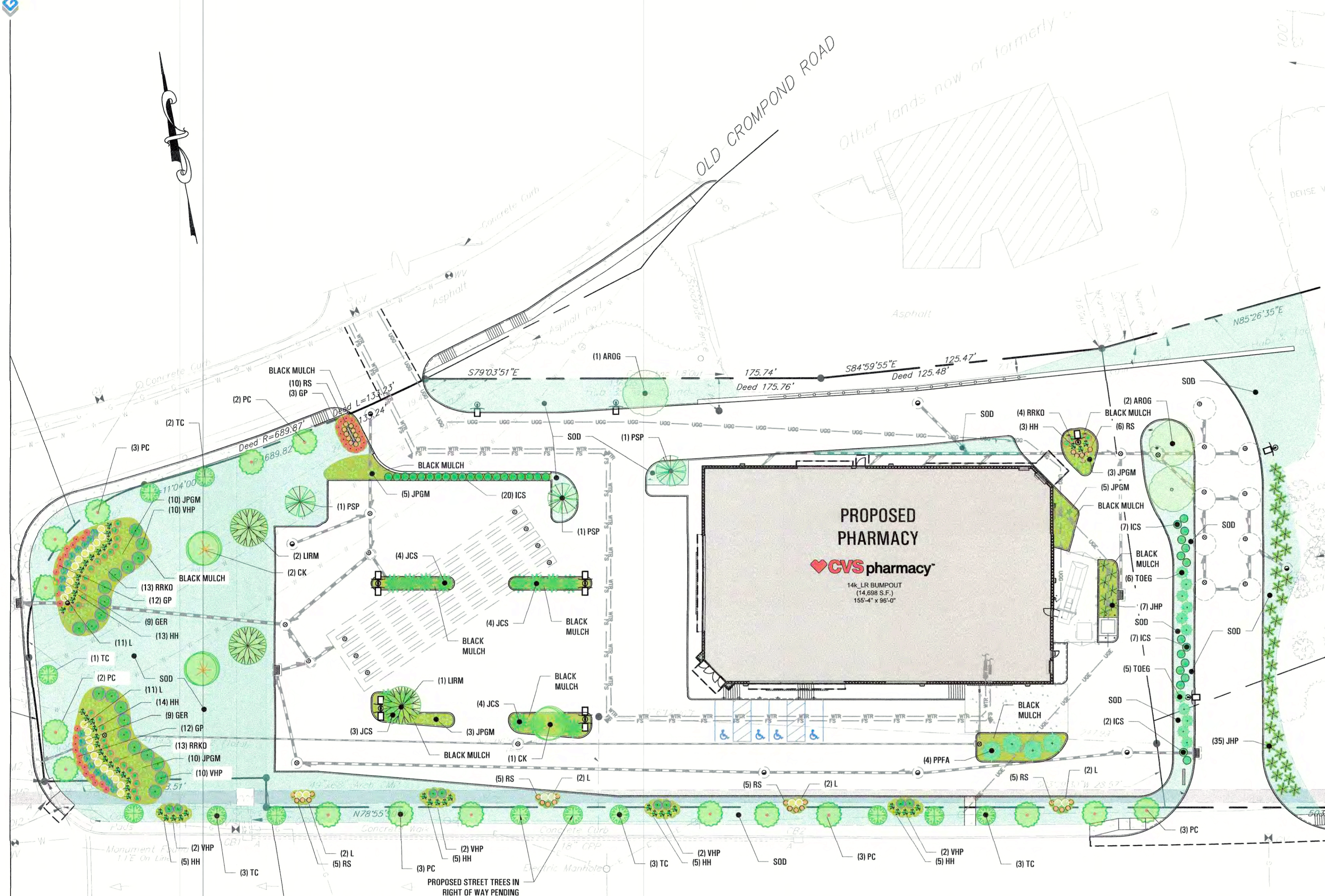
CATALOG NUMBER:
D1) DSXW2LED-30C-700-40K-TFTM-MVOLT-DOBXD
D2) DSXW2LED-30C-1000-40K-TFTM-MVOLT-DOBXD

d'series

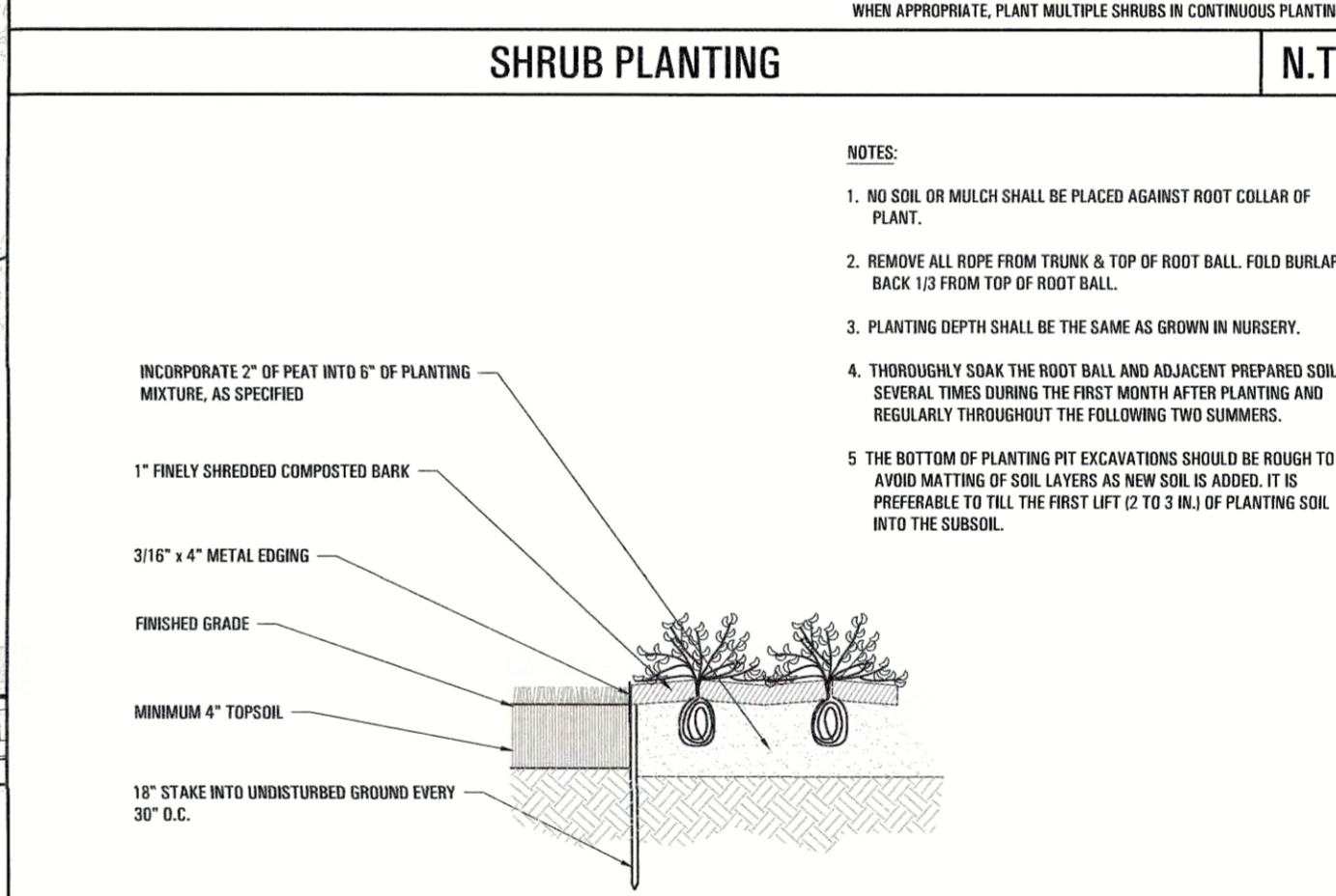
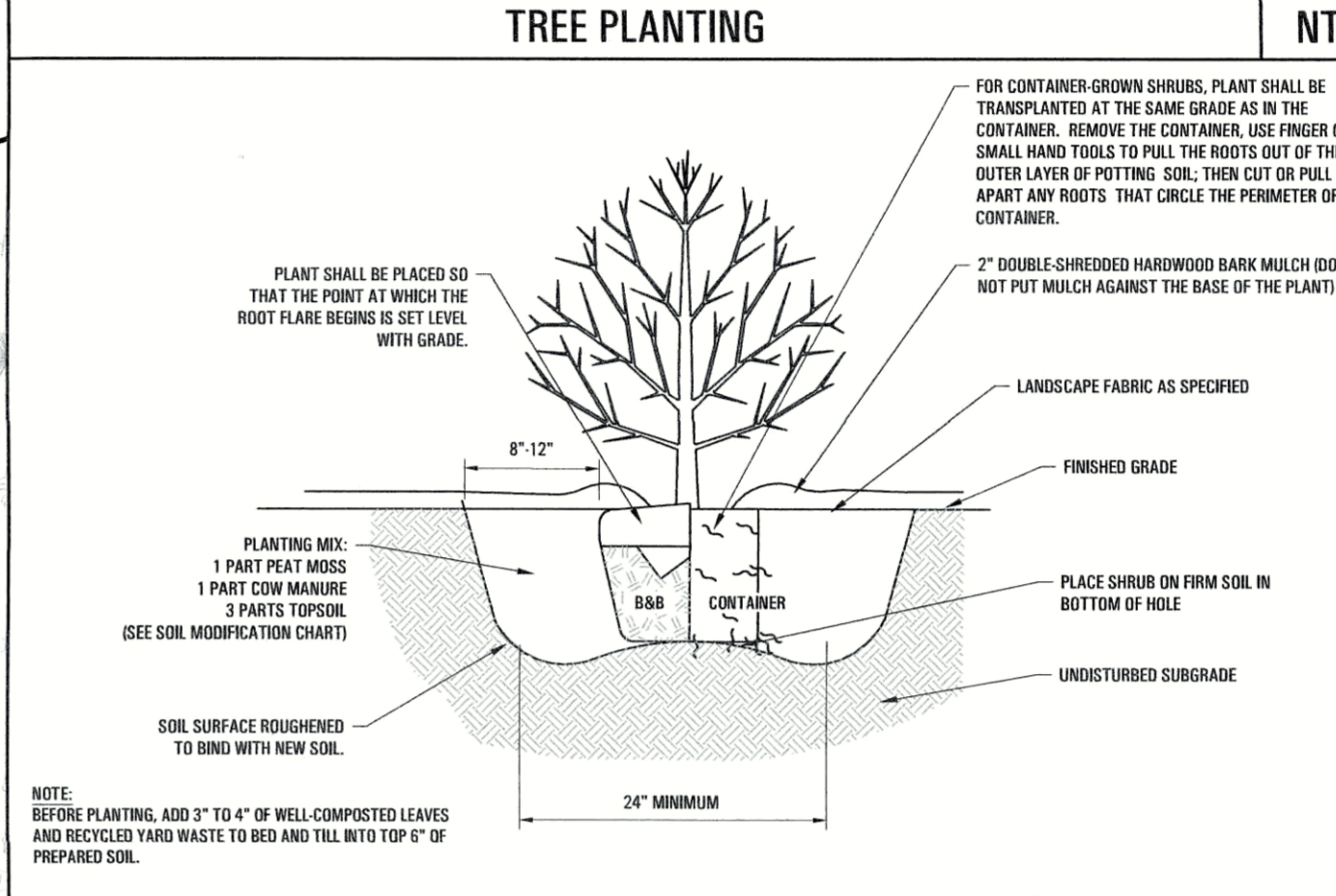
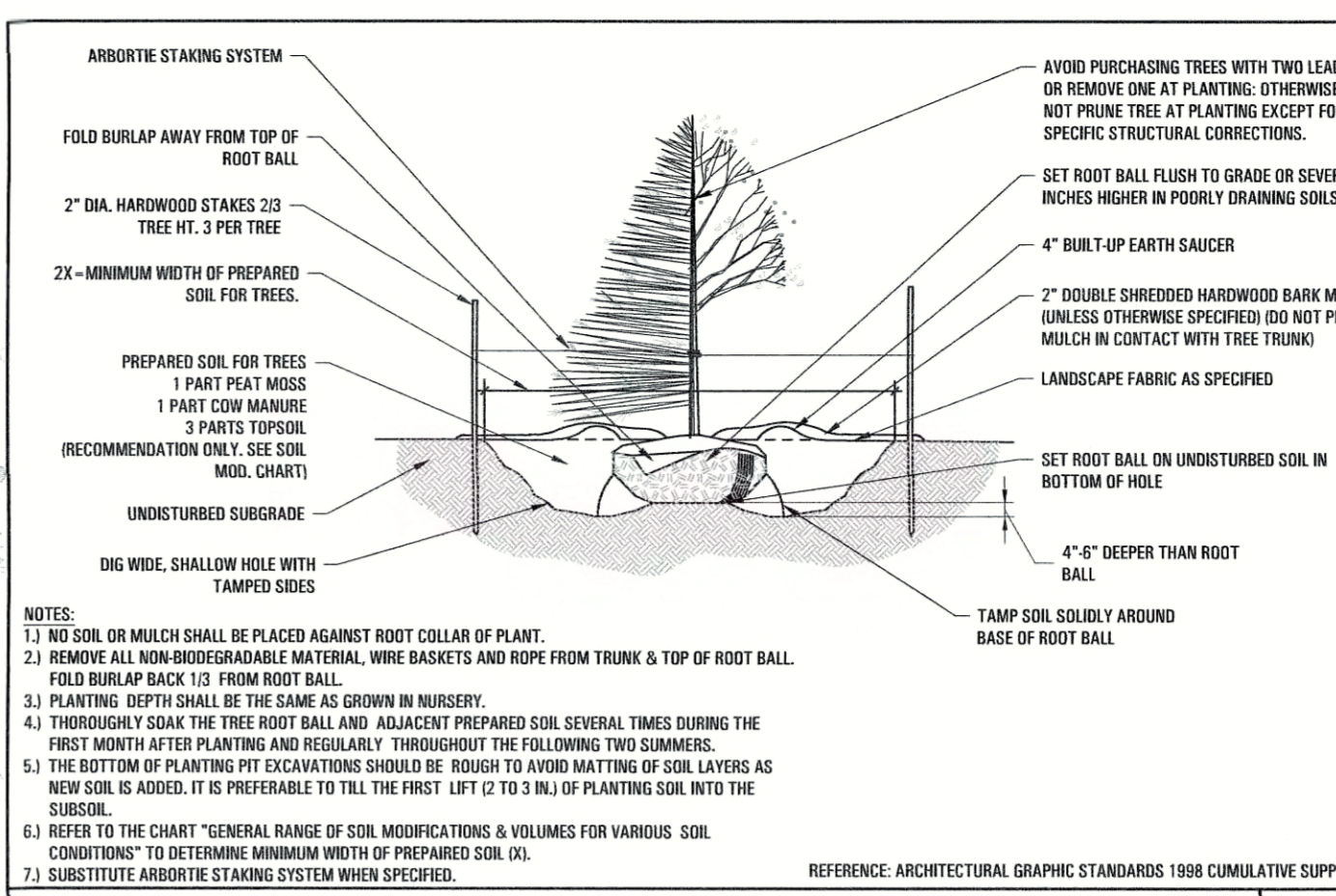


Know what's below.
Call before you dig.
1-800-962-7962

This drawing is copyrighted and protected under the laws of the United States of America. Any unauthorized use or reproduction of this document without written consent of Lauro Group, Inc. is an infringement upon Copyright Law. Violators will be subject to prosecution by the full extent of the Law.
The Client may make and retain copies of this document for information and reference in connection with this specific project. This document is not intended to be used for any other project. Any such reuse or modification without written permission, verification or further due diligence and adaptation by Engineer of Record or as appropriate for the specific purpose intended will be at Client's sole risk and without liability or legal recourse to Engineer of Record or Lauro Group, Inc. Client shall indemnify and hold harmless Engineer of Record and Lauro Group, Inc. from and against all claims, damages, losses and expenses, including attorney fees arising out of or resulting therefrom.
The Education Law of the State of New York prohibits any person altering anything on these drawings and/or the accompanying specifications, unless it is under the direction of a licensed Professional Engineer. Where such alterations are made, the Professional Engineer must sign, seal, date and describe the full extent of the alteration on the drawings and/or in the specifications. NYS Education Law Section 7209(2)



LANDSCAPE SCHEDULE					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
Deciduous Trees(s)					
AROG	3	Acer Saccharum	Sugar Maple	4" cal.	B&B
Ornamental Trees(s)					
PSP	3	Prunus Subhirtella 'Pendula'	Weeping Cherry	3" cal.	B&B
CK	3	Cornus Kousa var. Chinensis	Kousa Dogwood	3"-3 1/2" cal.	B&B
LIRM	3	Lagerstroemia Indica 'Rubra Magnifica'	Crape Myrtle Red	5'-6' ht.	B&B
PC	16	Pyrus Calleryana 'Chanticleer'	Cleveland Select	3" cal.	B&B
TC	12	Tilia Cordata	Little Leaf Linden	3" cal.	B&B
Evergreen Trees(s)					
TOEG	11	Thuja Occidentalis 'Emerald Green'	Emerald Green Arborvitae	6" ht.	6" o.c.
PPFA	4	Picea Pungens 'Fat Albert'	Fat Albert Spruce	6" ht.	10" o.c.
Evergreen Shrub(s)					
ICS	36	Ilex crenata 'steeds'	Steeds Japanese Holly	4" ht.	4" o.c.
Deciduous Shrub(s)					
RRKO	30	Rosa 'Radrazz' Knockout	Knockout Rose	3 Gal.	3" o.c.
Perennial(s)					
VHP	28	Verbena s 'Homestead purple'	Homestead Purple Hardy Verbena	2 Gal.	2" o.c.
L	30	Leucanthemum	Shasta Daisy	1 Gal.	2" o.c.
RS	36	Rudbeckia Fulgida	Goldsturm Coneflower	1 Gal.	2" o.c.
GER	18	Geranium 'Rezanan'	Hardy Geranium	1 Gal.	2" o.c.
HH	50	Helopsis Helianthoides	Oxeye Sunflower	1 Gal.	3" o.c.
Groundcover(s)					
JHP	42	Juniperus Horizontalis 'Plumosa Compacta'	Compact Andorra Juniper	3 Gal.	6" o.c.
JPGM	36	Juniperus Procumbens 'Green Mound'	Japanese Garden Juniper	2 Gal.	5" o.c.
JCS	15	Juniperus Chinensis Sargentii 'Viridis'	Green Sargent Juniper	2 Gal.	5" o.c.
GP	27	Gaultheria Procumbens	Creeeping Wintergreen	1 Gal.	2" o.c.



LANDSCAPE NOTES

- Contractor shall be responsible for the protection of all existing trees to remain. A tree protection zone shall be established at the drip line or at the limit of construction disturbance, whichever is greater or as otherwise shown. Local standards may require that a more strict tree protection zone shall be honored.
- At no time shall machinery, debris, fallen trees or other materials be placed, stockpiled or left standing in the tree protection zone.
- All plant materials shall be of the highest quality fresh dug nursery grown stock conforming to the requirements of the "American Standard for Nursery Stock".
- Caliper measurements of nursery grown trees shall be taken at a point on the trunk six inches (6") above the natural grade for trees up to and including a four inch (4") caliper size.
- Shrubs shall be measured to the average height or spread of the shrub, and not to the longest branch.
- Contractor shall provide a six inch (6") thick minimum layer of topsoil, or as directed by the local ordinance or client, in all planting areas. Topsoil should be spread over a prepared surface in a uniform layer to achieve the desired compacted thickness.
- Prior to the issuance of any certificate of occupancy, the proposed landscape, as shown on the approved landscape plan, must be installed, inspected and approved by the approving agency. The approving agency shall take into account seasonal considerations in this regard as follows. The planting of trees, shrubs, vines or ground cover shall occur only during the following planting seasons:
a. PLANTS: MARCH 15 TO DECEMBER 15
b. LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1
- Plantings required for a certificate of occupancy shall be provided during the next appropriate season at the municipality's discretion. Contractor should contact approving agency for potential substitutions.
- Proposed trees directly adjacent to walkways or driveways shall be pruned and maintained to a minimum branching height of 7' from grade. No pruning shall be conducted within the first year of planting, except to clear low hanging branches.
- No plant, except ground covers, grasses or vines, shall be planted less than two feet (2') from existing structures and sidewalks.
- There shall be no plant substitutions unless authorized by Landscape Architect and/or staff of the local municipality.
- New plantings or lawn areas shall be adequately irrigated beginning immediately after planting. Water shall be applied to each tree and shrub in such manner as not to disturb backfill and to the extent that all materials in the planting hole are thoroughly saturated. Watering shall continue routinely at least until plants are established.
- The Landscape Contractor shall guarantee all plants for a period of one (1) year from approval of landscape installation by the approving agency. Contractor shall be released at the conclusion of the guarantee period and when a final inspection has been completed and approved by the owner or authorized representative.
- Existing dead or dying plants shall be removed and replaced in kind with healthy plants.
- Planting beds shall be weeded and have a minimum of two (2) inch double shredded hardwood bark mulch, unless otherwise specified by the municipality.
- Contractor shall arrange to have a utility stake-out to locate all underground utilities prior to installation of any landscape material. Utility companies shall be contacted three (3) days prior to the beginning of work.
- Landscape shall be planted and maintained in compliance with the Town or Local Municipality Regulations and Site Improvement Specifications and Addenda.

LAND RESTORATION NOTE

Any lawn areas disturbed within the Right-of-Way shall be restored in-kind.

IRRIGATION NOTE

Contractor to provide an irrigation system for both lawn and bed areas. Design is to be submitted to the project Landscape Architect for review and approval. Contractor to verify static pressure prior design. Contractor is responsible for any pressure increasing / reducing devices to meet irrigation equipment manufacturer's requirements as well as all necessary permits for any required RPZ's. Irrigation System Design shall include all necessary valves, piping, heads, driplines, backflow prevention, controllers and meters (as required). All sleeves under paved areas shall be shown.

SOD LAWN SPECIFICATIONS

- Prior to sod installation, existing subgrade shall be loosened by means of roto-tilling or tilling to a depth of 8", top dressed with topsoil (4" min.), fine graded and raked free of all debris larger than 2" diameter.
- All areas to receive sod shall be amended with limestone and fertilizer (rate to be determined by sod grower) and compacted using a 200 pound roller, the area shall be thoroughly watered and allowed to dry prior to placement of sod.
- Sod to be drought resistant blend.
- Sod shall be laid tight together with lateral joints staggered. All dead and/or dying sod shall be replaced prior final inspection.
- Sod shall be thoroughly watered at time of installation and routinely watered by contractor and/or owner to maintain moisture during the first two growing seasons.

GENERAL RANGE OF SOIL MODIFICATIONS FOR VARIOUS SOIL CONDITIONS

Post-Construction soil Condition	Type of preparation
Good soil (Not previously graded or compacted, topsoil layer intact)	Loosen the existing soils to the widths and depths shown in details above
Compacted soil (Not previously graded, topsoil layer disturbed but not eliminated)	Loosen the existing soils to the widths and depths shown in details above; add composted organic content up to 5% dry weight
Graded subsoils and clean fills with clay content between 5 & 35%	Minimum treatment: loosen existing soil to widths and depths shown, add composted organic matter to bring organic content up to 5% dry weight. Optimum treatment: remove top 8-10 in. or the existing soils to the widths and depths shown, add 8-10 in. of loam topsoil
Poor quality fills, heavy clay soils, soils depths contaminated with rubble or toxic material	Remove existing soils to the widths and depths contaminated with rubble or toxic material

Note: at no time shall preparation and soil modification areas extend into existing tree protection zones.
Reference: architectural graphic standards 1998 cumulative supplement.

TOTAL PERMITS

LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE

J. NAZZARO LP
3320 Crompond Road (WS Rte. 35/202)
Yorktown Heights (Town of Yorktown - Westchester County), NY 10588
Tax Map #: 26.18 - 1.23.25 & 26

C7.0
SHEET
11 OF 13

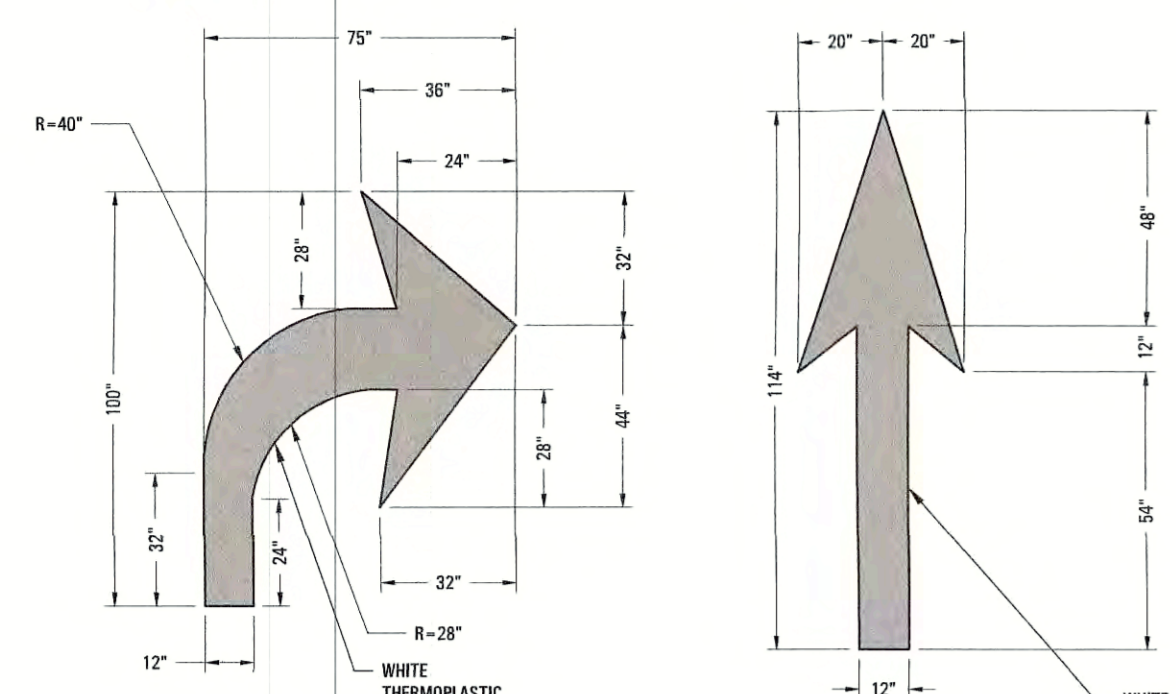
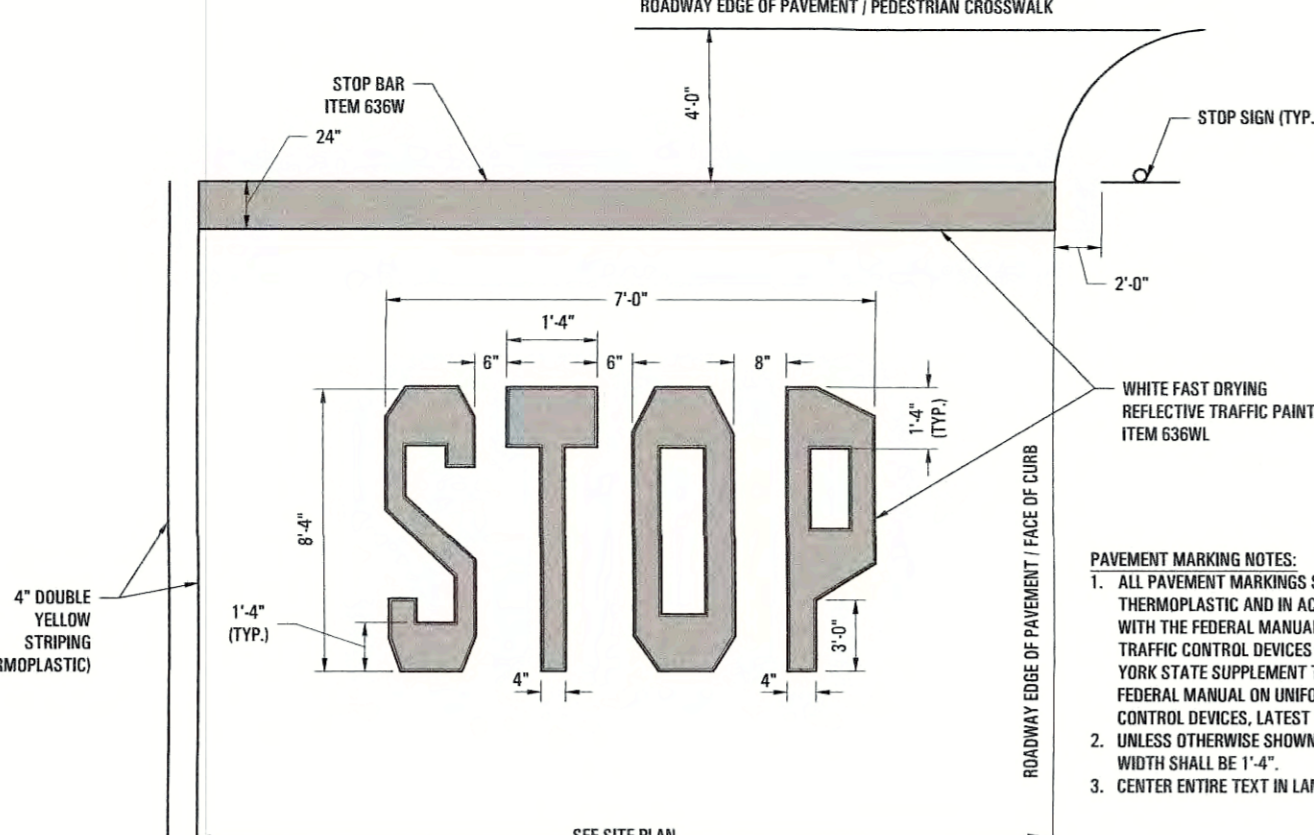
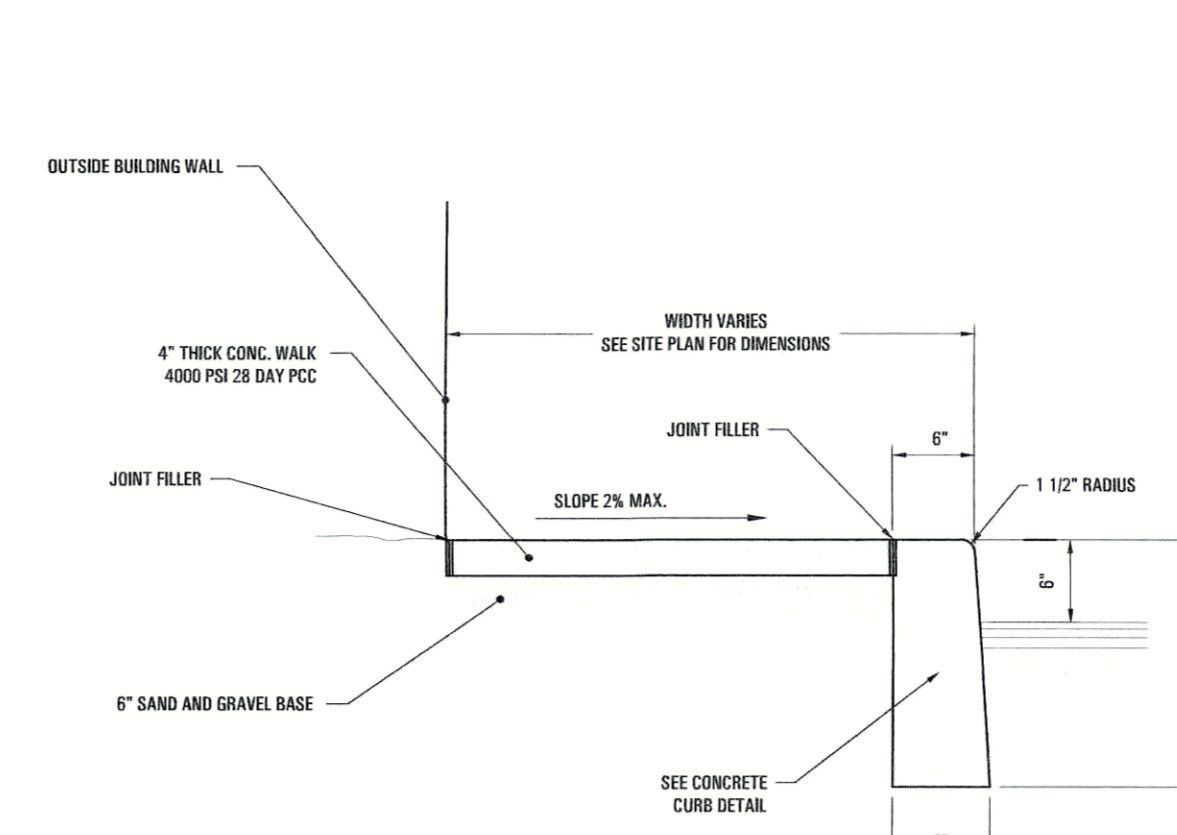
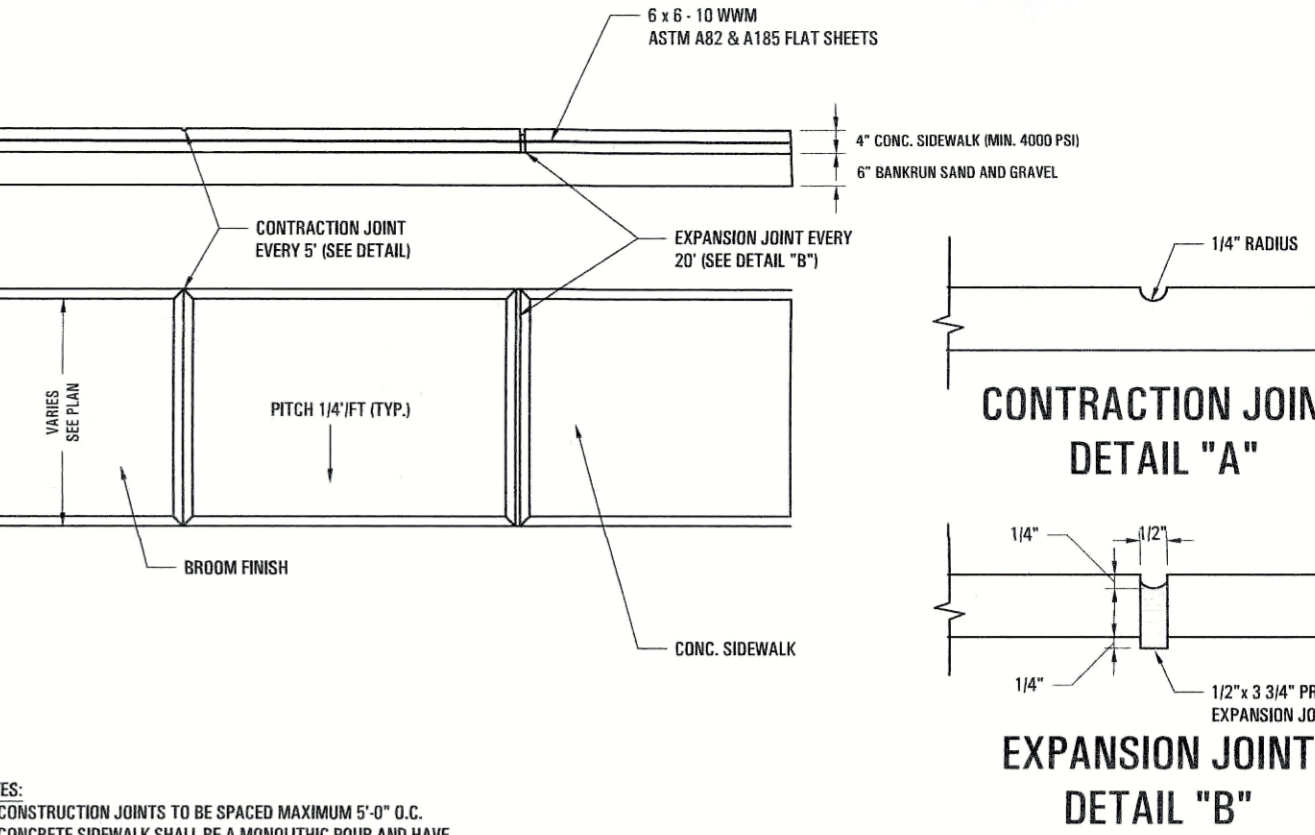
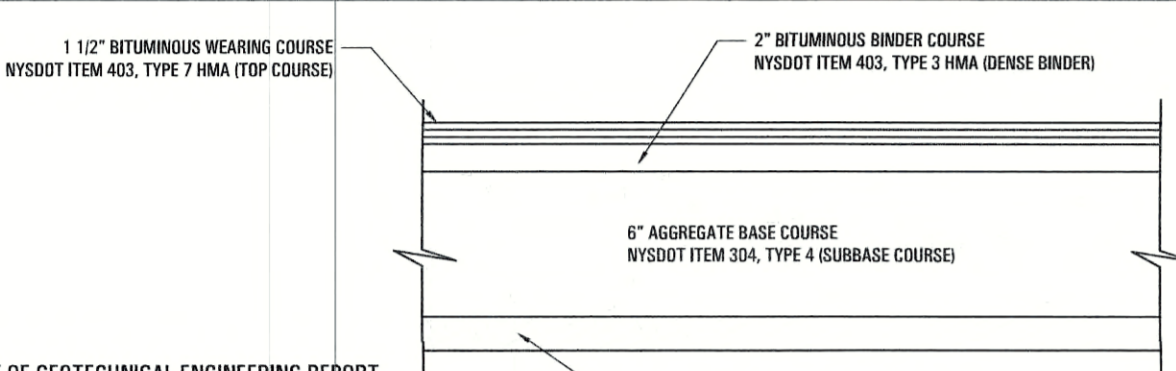
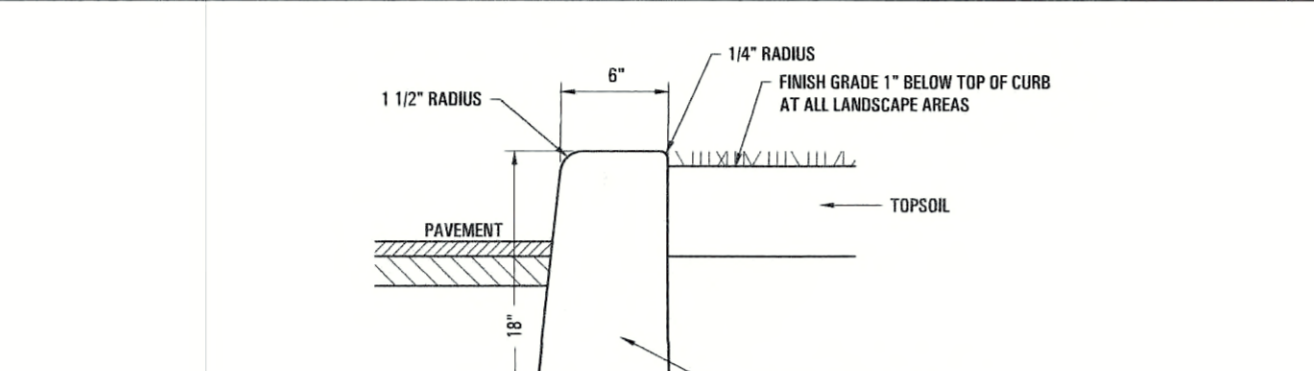
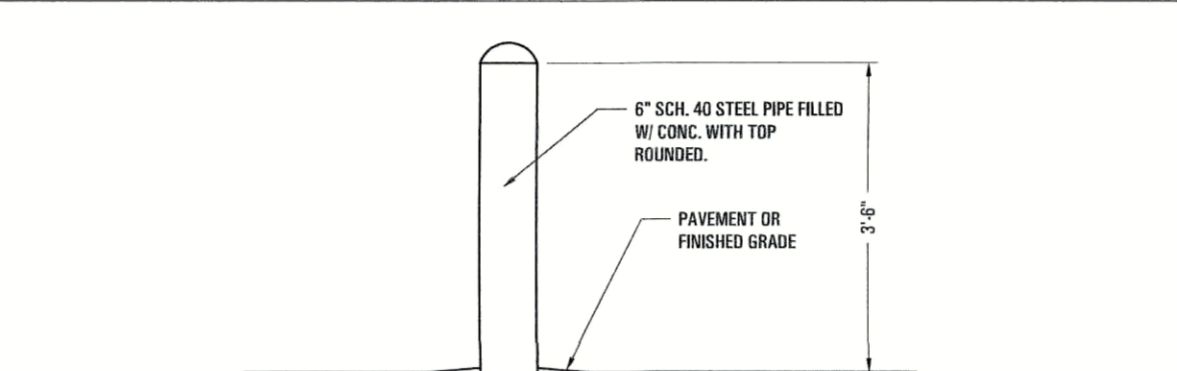
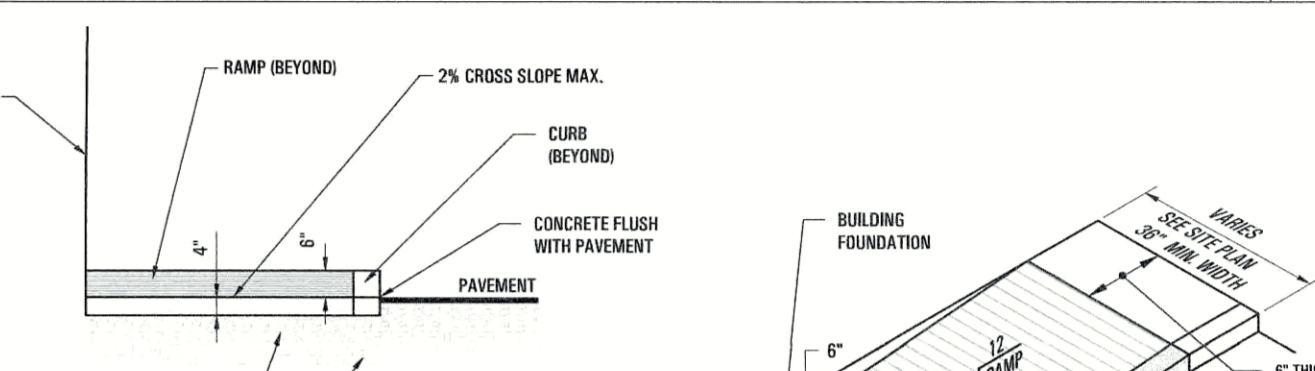
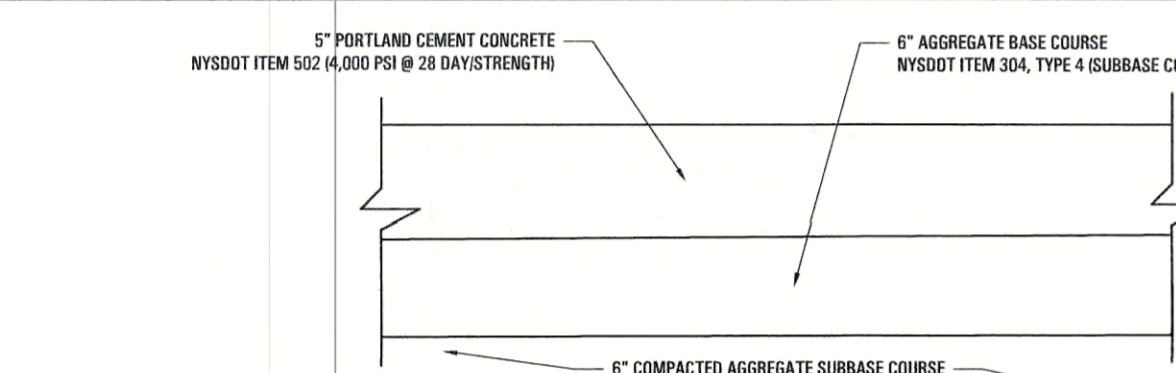
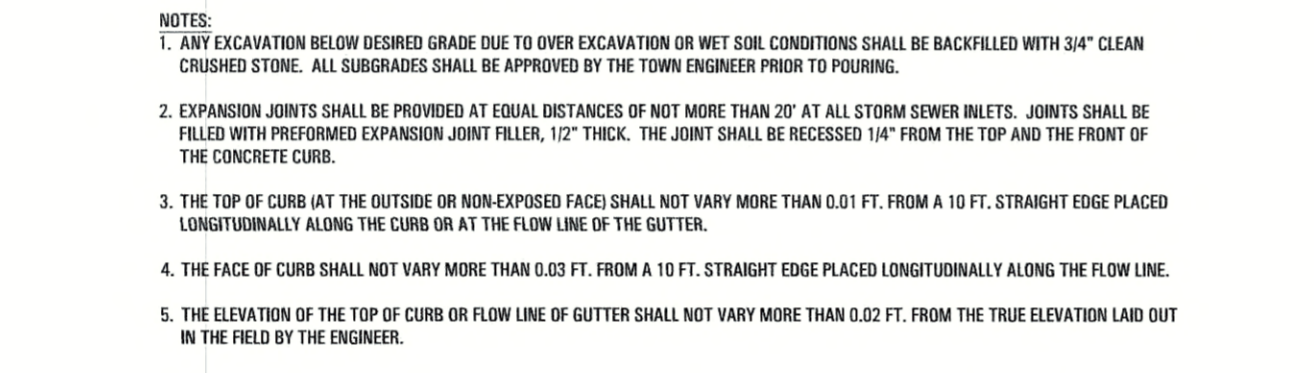
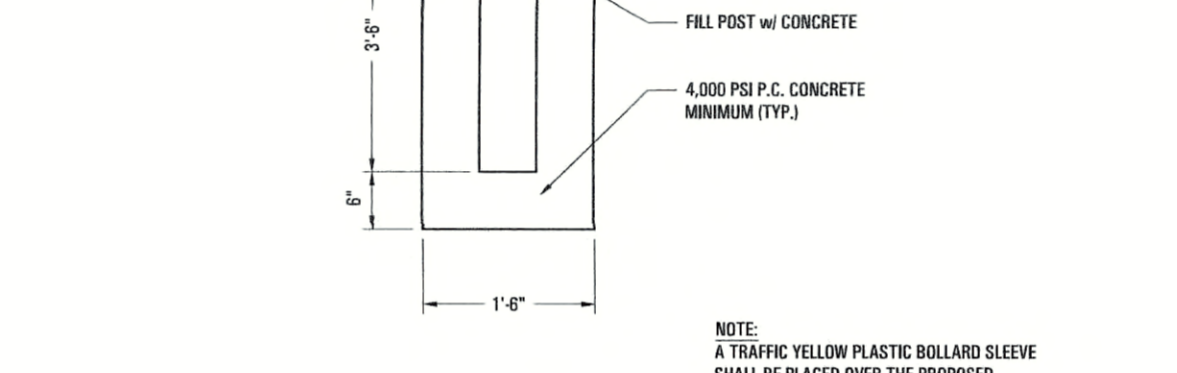
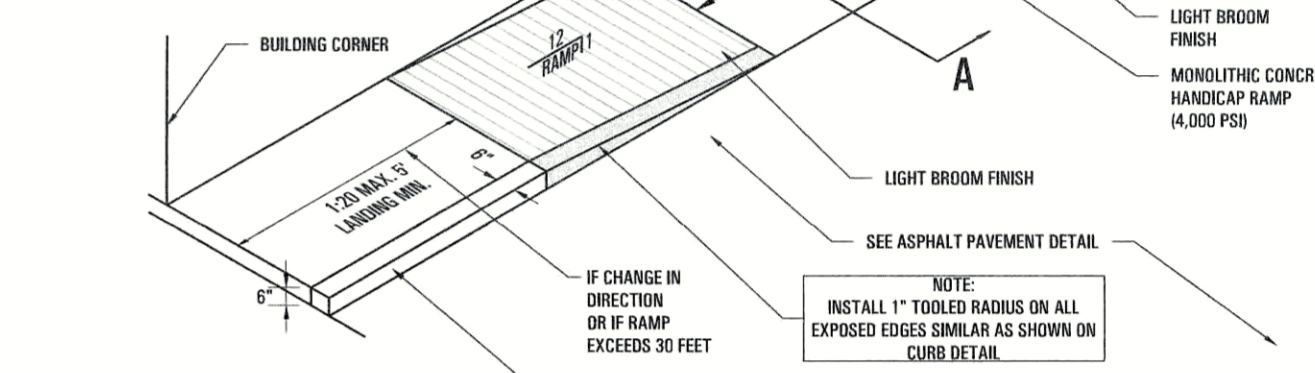
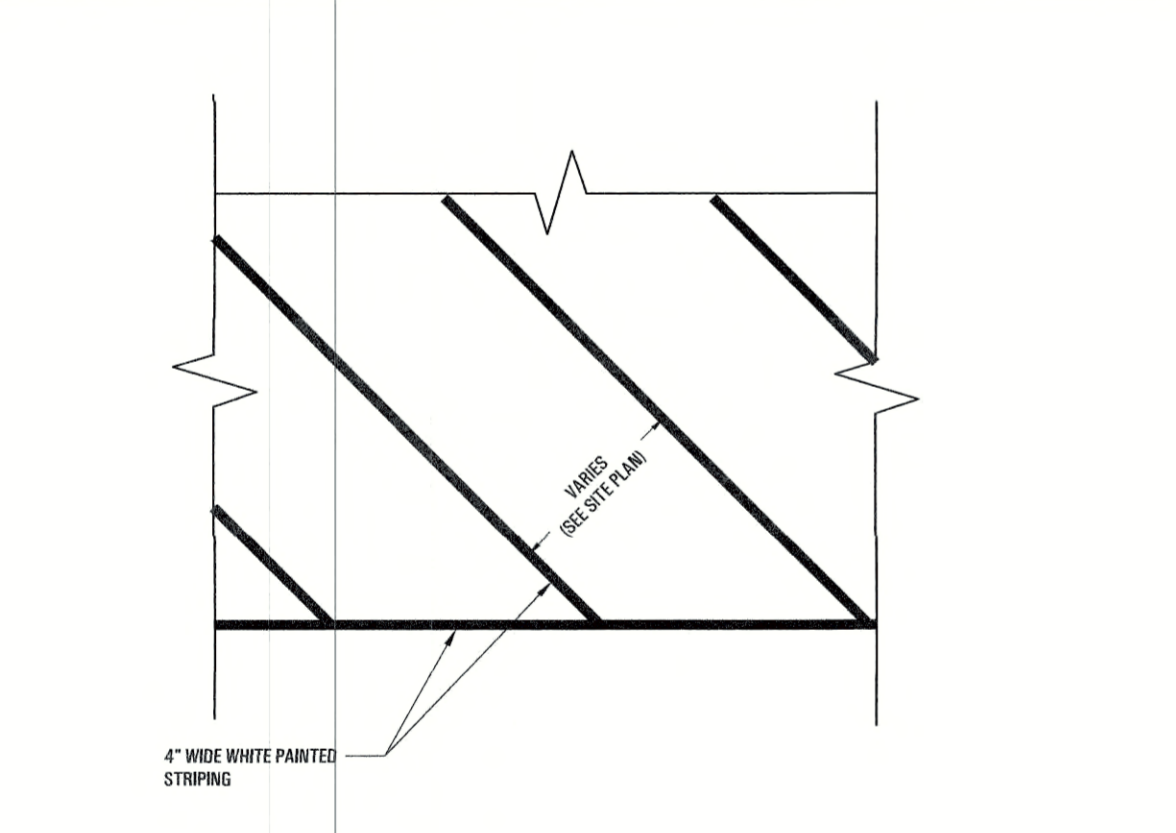
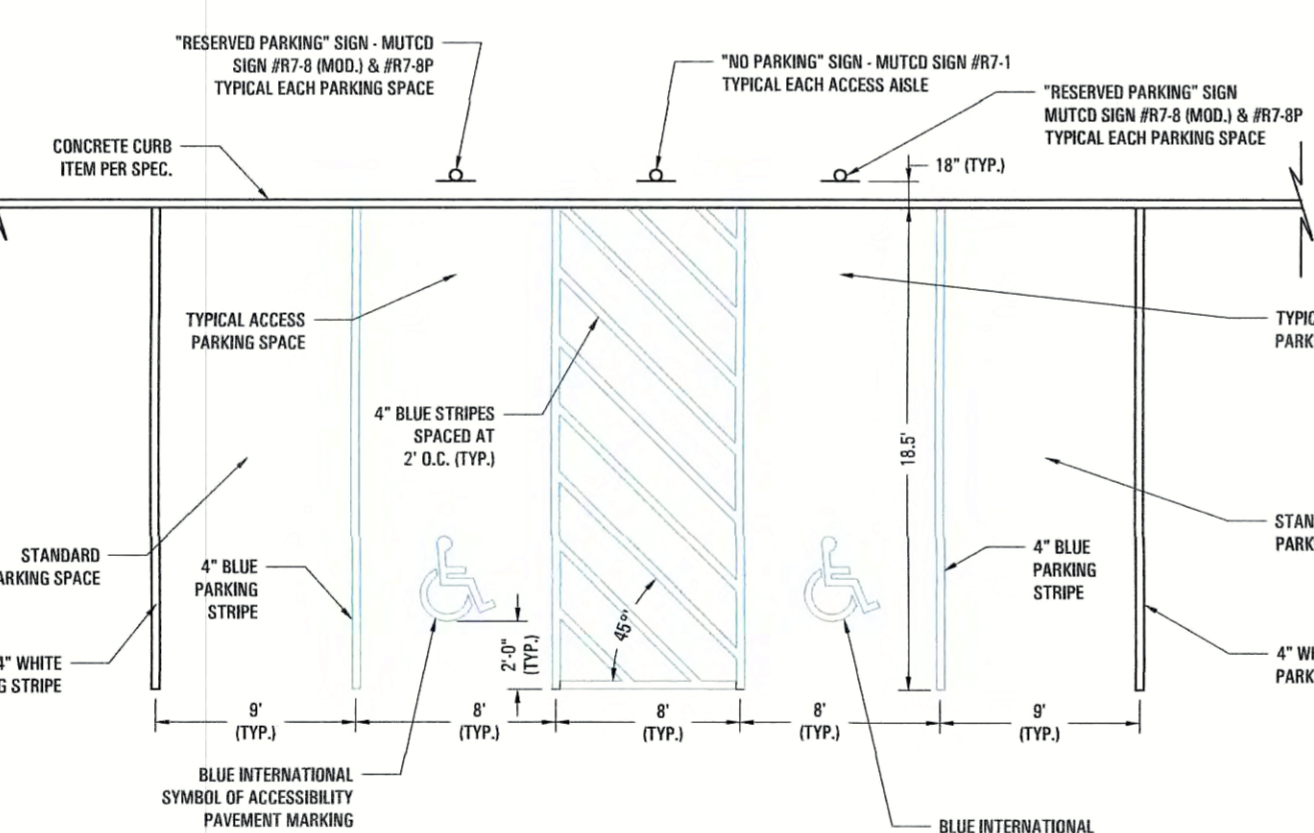
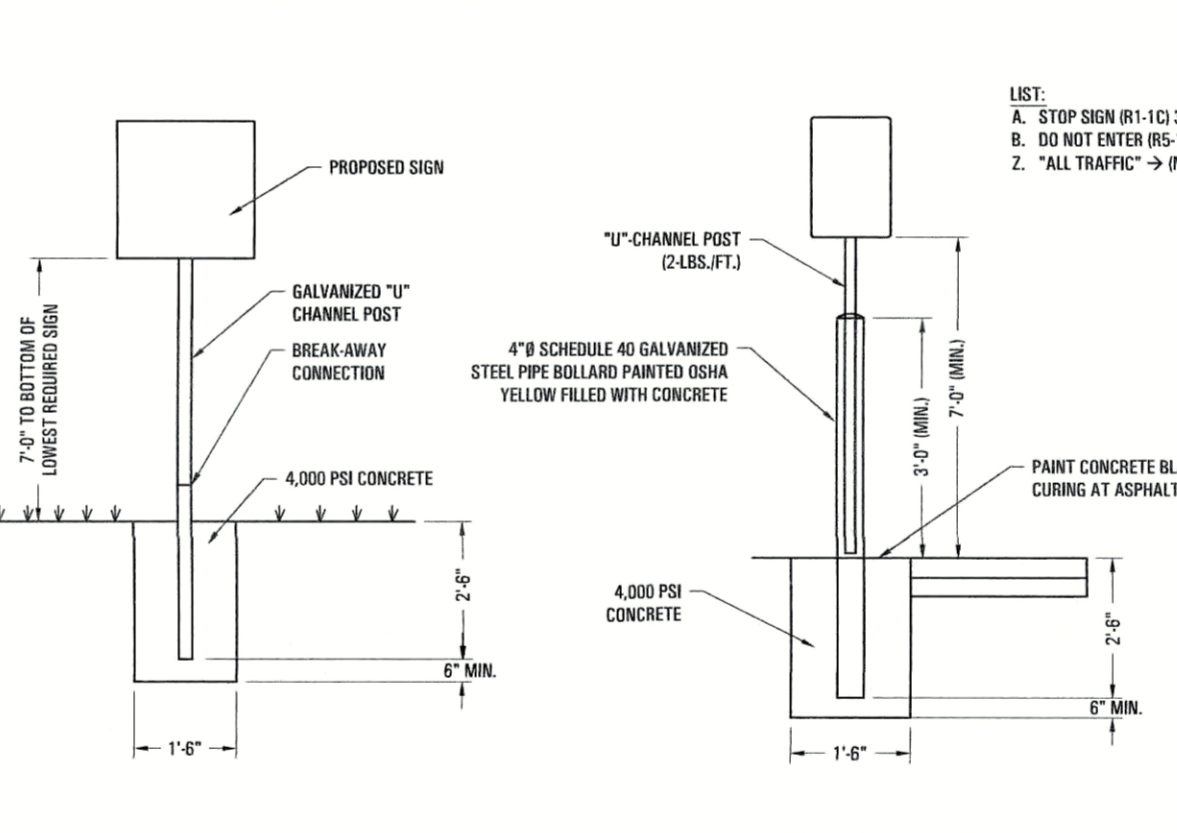
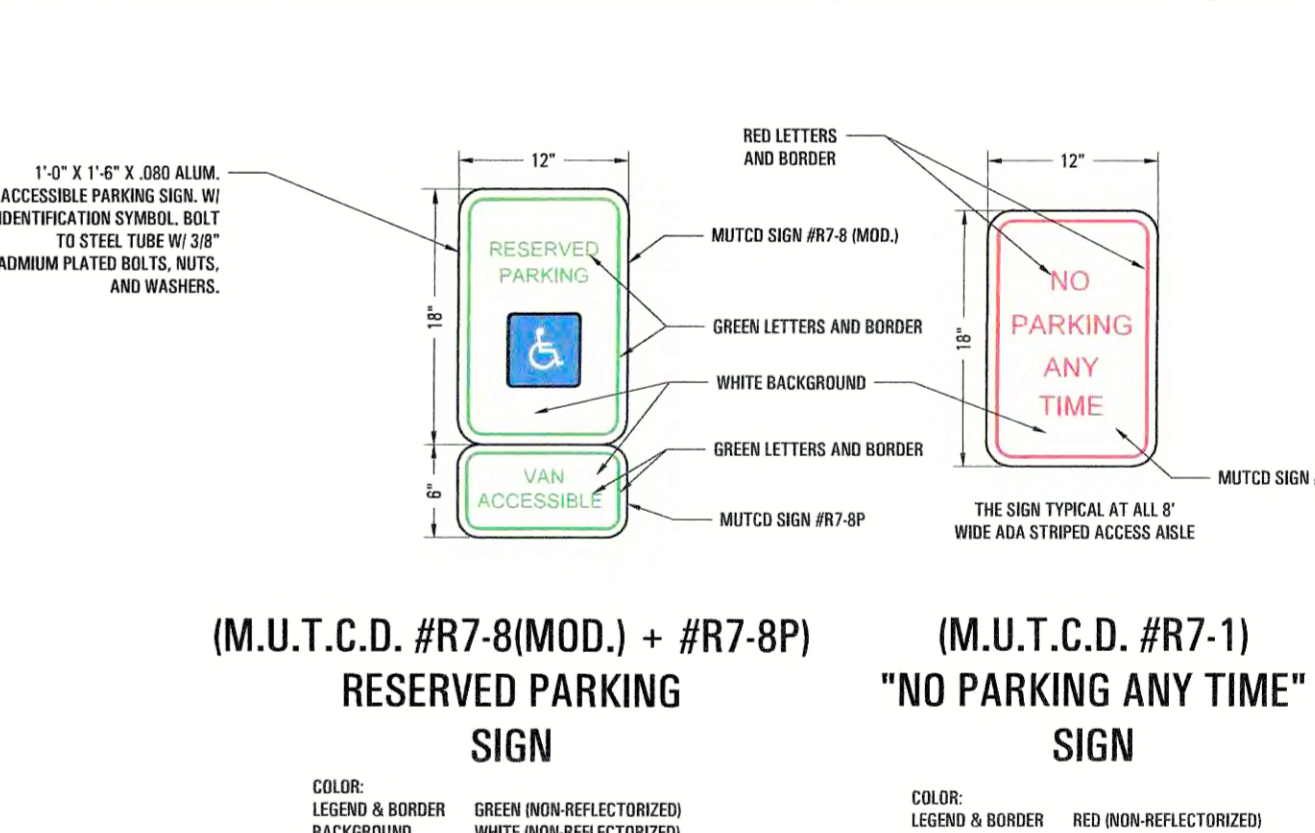
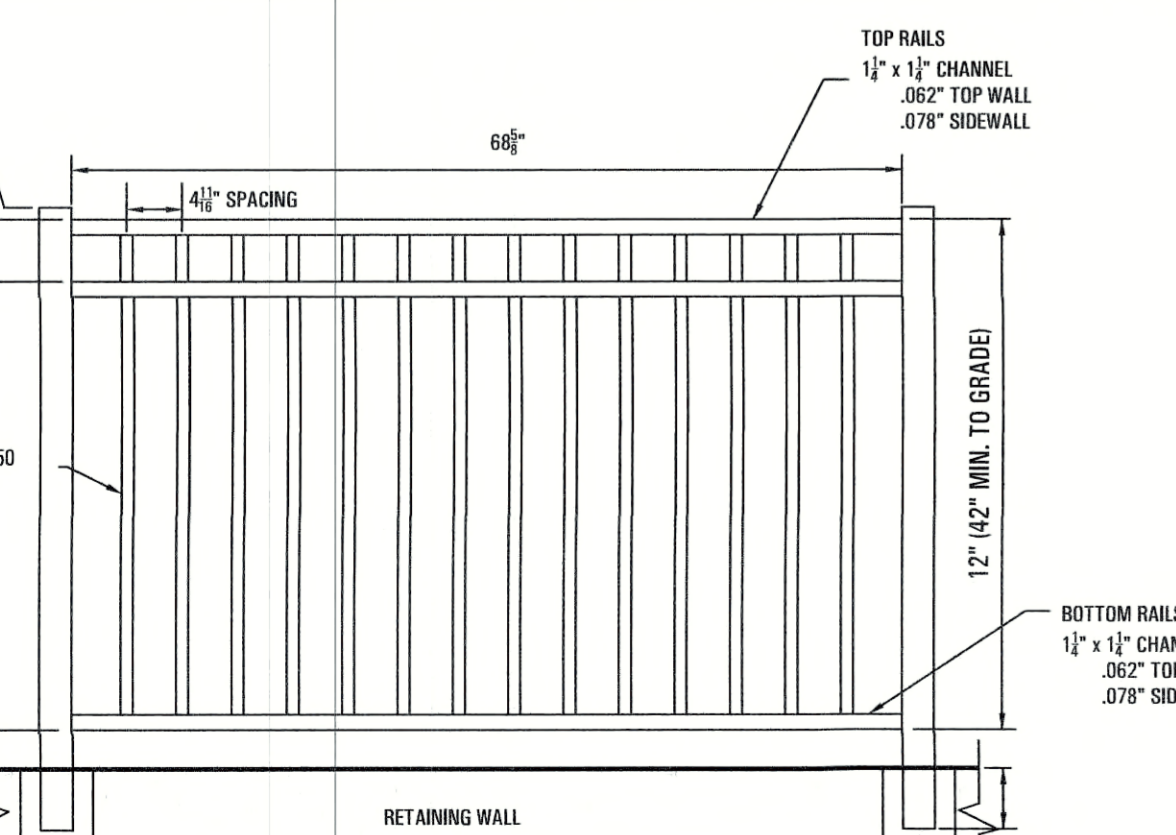
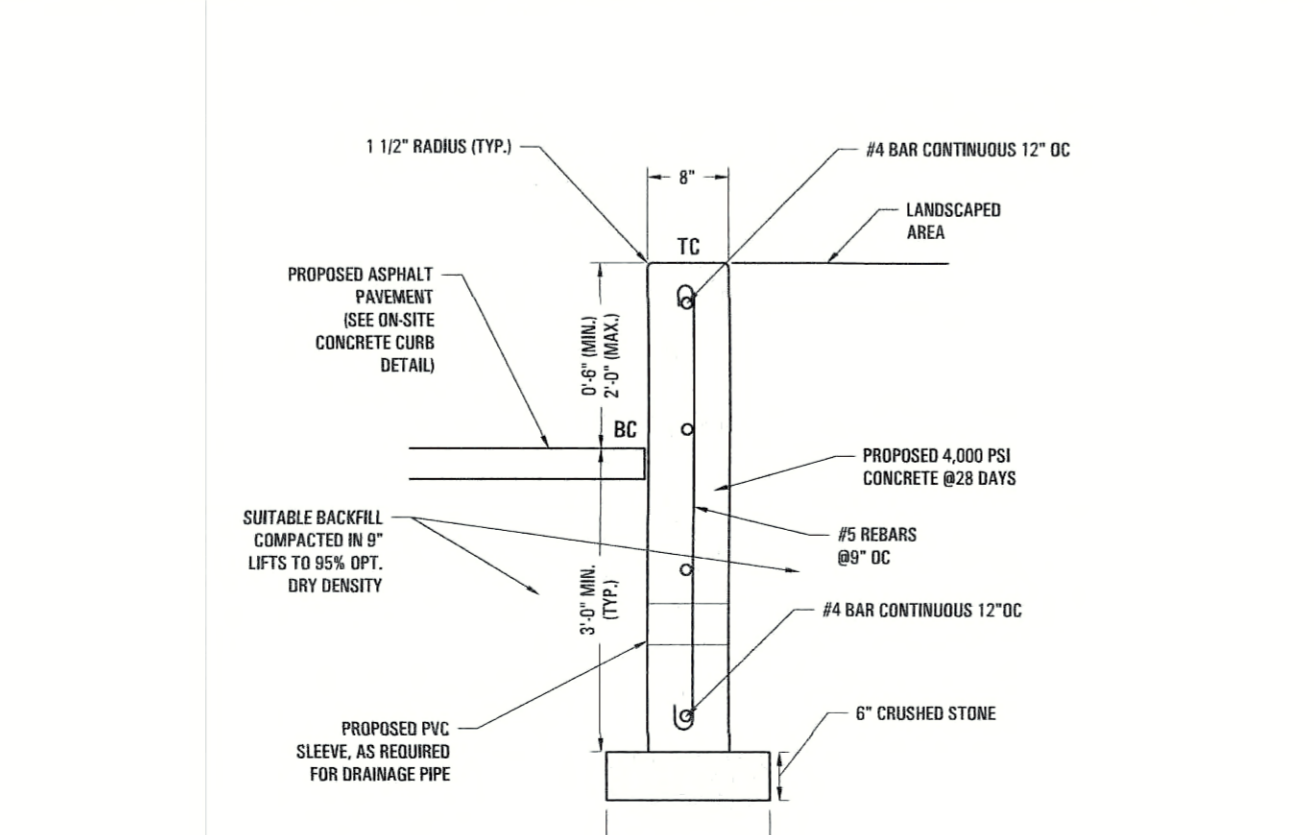

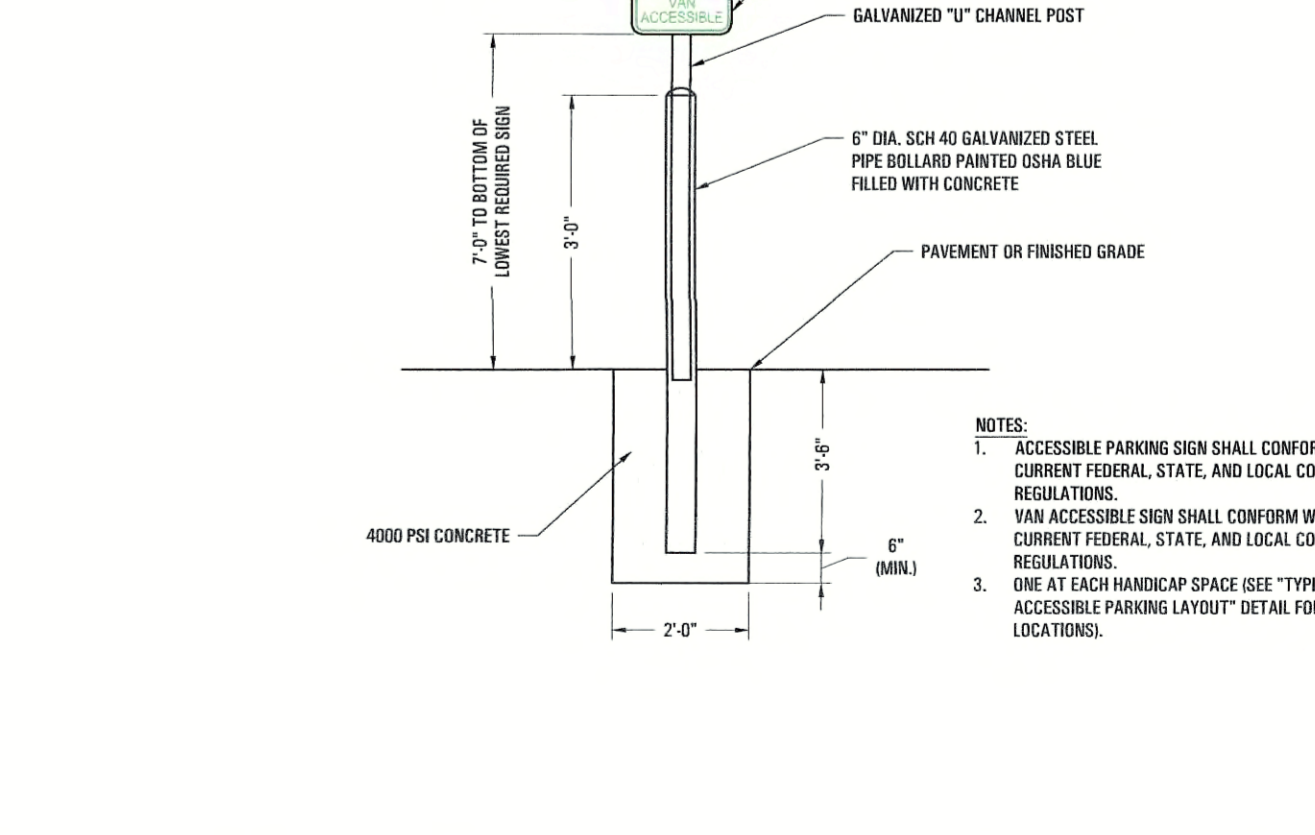
LANDSCAPE PLAN

Revision
No. Date By
1 8/27/19 KA
2 9/23/19 KA
3 11/21/19 LSH
Town Engineering Comments
Revised Grading & Drainage per DEP Comments
Planning Comments

PERMIT SET
Project: E.G. 13-0337, Drawing #: LG13-0337-CP3, Date: 4/10/19
Project: E.G. 13-0337, Drawing #: KAL58, Drawing #: LG13-0337-CP3

1. This drawing is copyrighted and protected under the laws of the United States of America. Any unauthorized use or reproduction of this document without written consent of Lauro Group, Inc. is an infringement upon copyright laws. Violators will be subject to prosecution by the full extent of the law.
 2. The Client may make and retain copies of this document for information and reference in connection with this specific project. This document is not intended or represented to be suitable for use on any other project. Any such reuse or modification without written permission, verification or further due diligence and adaptation by Engineer of Record as appropriate for the specific purpose intended will be at Client's sole risk and without liability or legal exposure to Engineer of Record or Lauro Group, Inc. Client shall indemnify and hold harmless Engineer of Record and Lauro Group, Inc. from any and all claims, damages, losses and expenses, including attorney fees arising out of or resulting therefrom.
 3. The Education Law of the State of New York prohibits any person altering anything on these drawings and/or the accompanying specifications, under it or under the direction of a licensed Professional Engineer. Where such alterations are made, the Professional Engineer must sign, seal, date and describe the full extent of the alteration on the drawings and/or in the specifications. (NYS Education Law Section 7209.3)

Know what's below.
 Call before you dig.
 1-800-962-7962

 <p>LEFT/RIGHT ARROW STRAIGHT ARROW</p> <p>TRAFFIC FLOW ARROWS N.T.S.</p> <p>PAVEMENT MARKING NOTES: 1. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES & THE NEW YORK STATE SUPPLEMENT TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITIONS. 2. ALL PAVEMENT MARKINGS AND STRIPING SHALL BE THERMOPLASTIC.</p>	 <p>STOP BAR N.T.S.</p> <p>PAVEMENT MARKING NOTES: 1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND IN ACCORDANCE WITH THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES & THE NEW YORK STATE SUPPLEMENT TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITIONS. 2. UNLESS OTHERWISE SHOWN, LETTER WIDTH SHALL BE 1'-4". 3. CENTER ENTIRE TEXT IN LANE.</p>	 <p>CONCRETE CURB AND SIDEWALK DETAIL N.T.S.</p>	 <p>CONCRETE SIDEWALK DETAIL N.T.S.</p> <p>CONTRACTION JOINT DETAIL "A"</p> <p>EXPANSION JOINT DETAIL "B"</p> <p>NOTES: 1. CONSTRUCTION JOINTS TO BE SPACED MAXIMUM 5'-0" O.C. 2. CONCRETE SIDEWALK SHALL BE A MONOLITHIC POUR AND HAVE A COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS.</p>
 <p>ASPHALT PAVEMENT SECTION N.T.S.</p> <p>NOTE: REFER TO REPORT OF GEOTECHNICAL ENGINEERING REPORT PREPARED BY RANSOM CONSULTING, INC. (DATED 8/12/14)</p>	 <p>CONCRETE CURB DETAIL N.T.S.</p> <p>NOTES: 1. ANY EXCAVATION BELOW DESIRED GRADE DUE TO OVER EXCAVATION OR WET SOIL CONDITIONS SHALL BE BACKFILLED WITH 3/4" CLEAN CRUSHED STONE. ALL SUBGRADES SHALL BE APPROVED BY THE TOWN ENGINEER PRIOR TO POURING. 2. EXPANSION JOINTS SHALL BE PROVIDED AT EQUAL DISTANCES OF NOT MORE THAN 20' AT ALL STORM SEWER INLETS. JOINTS SHALL BE FILLED WITH PREFORMED EXPANSION JOINT FILLER, 1/2" THICK. THE JOINT SHALL BE RECESSED 1/4" FROM THE TOP AND THE FRONT OF THE CONCRETE CURB. 3. THE TOP OF CURB AT THE OUTSIDE OR NON-CROPPED FACED SHALL NOT VARY MORE THAN 0.01 FT. FROM A 10 FT. STRAIGHT EDGE PLACED LONGITUDINALLY ALONG THE CURB OR AT THE FLOW LINE OF THE GUTTER. 4. THE FACE OF CURB SHALL NOT VARY MORE THAN 0.03 FT. FROM A 10 FT. STRAIGHT EDGE PLACED LONGITUDINALLY ALONG THE FLOW LINE. 5. THE ELEVATION OF THE TOP OF CURB OR FLOW LINE OF GUTTER SHALL NOT VARY MORE THAN 0.02 FT. FROM THE TRUE ELEVATION LAID OUT IN THE FIELD BY THE ENGINEER.</p>	 <p>PIPE BOLLARD DETAIL N.T.S.</p> <p>NOTE: A TRAFFIC YELLOW PLASTIC BOLLARD SLEEVE SHALL BE PLACED OVER THE PROPOSED BOLLARD.</p>	 <p>SIDEWALK IN-LINE RAMP N.T.S.</p> <p>NOTE: INSTALL 1" ROUNDED RADIUS ON ALL EXPOSED EDGES SIMILAR AS SHOWN ON CURB DETAIL.</p>
 <p>HEAVY-DUTY CONCRETE PAVEMENT SECTION N.T.S.</p> <p>NOTE: REFER TO REPORT OF GEOTECHNICAL ENGINEERING REPORT PREPARED BY RANSOM CONSULTING, INC. (DATED 8/12/14)</p>	 <p>STRIPING DETAIL N.T.S.</p> <p>PAVEMENT MARKING NOTES: 1. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES & THE NEW YORK STATE SUPPLEMENT TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITIONS.</p>	 <p>TYPICAL ACCESSIBLE PARKING LAYOUT N.T.S.</p> <p>PAVEMENT MARKING NOTES: 1. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES & THE NEW YORK STATE SUPPLEMENT TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITIONS.</p>	 <p>TYPICAL SIGN DETAIL N.T.S.</p> <p>PAVEMENT MARKING NOTES: 1. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES & THE NEW YORK STATE SUPPLEMENT TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITIONS. 2. ALL PAINT SHALL BE FAST DRYING TRAFFIC PAINT, MEETING THE REQUIREMENTS OF AASHTO M 280 TYPE F. PAINT SHALL BE APPLIED AS SPECIFIED BY THE MANUFACTURER.</p>
 <p>ALUMINIUM RAILING N.T.S.</p> <p>NOTE: USE ONLY COMMERCIAL GRADE ALUMINIUM FENCING WITH DARK BRONZE POWDER COAT FINISH</p>	 <p>CURB WALL N.T.S.</p>	 <p>INTERNATIONAL SYMBOL OF ACCESS PARKING STALL MARKING N.T.S.</p> <p>PAVEMENT MARKING NOTES: 1. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES & THE NEW YORK STATE SUPPLEMENT TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITIONS. 2. ALL PAINT SHALL BE FAST DRYING TRAFFIC PAINT, MEETING THE REQUIREMENTS OF AASHTO M 280 TYPE F. PAINT SHALL BE APPLIED AS SPECIFIED BY THE MANUFACTURER.</p>	 <p>ADA ACCESSIBLE PARKING SIGNS N.T.S.</p> <p>RESERVED PARKING SIGN (M.U.T.C.D. #R7-8(MOD.) + #R7-8P)</p> <p>"NO PARKING ANY TIME" SIGN (M.U.T.C.D. #R7-1)</p> <p>NOTES: 1. ACCESSIBLE PARKING SIGN SHALL CONFORM WITH CURRENT FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS. 2. VAN ACCESSIBLE SIGN SHALL CONFORM WITH CURRENT FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS. 3. ONE AT EACH HANDICAP SPACE SEE "TYPICAL ACCESSIBLE PARKING LAYOUT" DETAIL FOR LOCATIONS.</p>
 <p>ALUMINIUM RAILING N.T.S.</p> <p>NOTE: USE ONLY COMMERCIAL GRADE ALUMINIUM FENCING WITH DARK BRONZE POWDER COAT FINISH</p>	 <p>CURB WALL N.T.S.</p>	 <p>INTERNATIONAL SYMBOL OF ACCESS PARKING STALL MARKING N.T.S.</p> <p>PAVEMENT MARKING NOTES: 1. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES & THE NEW YORK STATE SUPPLEMENT TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITIONS. 2. ALL PAINT SHALL BE FAST DRYING TRAFFIC PAINT, MEETING THE REQUIREMENTS OF AASHTO M 280 TYPE F. PAINT SHALL BE APPLIED AS SPECIFIED BY THE MANUFACTURER.</p>	 <p>ADA ACCESSIBLE PARKING SIGNS N.T.S.</p> <p>RESERVED PARKING SIGN (M.U.T.C.D. #R7-8(MOD.) + #R7-8P)</p> <p>"NO PARKING ANY TIME" SIGN (M.U.T.C.D. #R7-1)</p> <p>NOTES: 1. ACCESSIBLE PARKING SIGN SHALL CONFORM WITH CURRENT FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS. 2. VAN ACCESSIBLE SIGN SHALL CONFORM WITH CURRENT FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS. 3. ONE AT EACH HANDICAP SPACE SEE "TYPICAL ACCESSIBLE PARKING LAYOUT" DETAIL FOR LOCATIONS.</p>

TOTAL PERMITS

LAURO GROUP
 DIVERSIFIED ALLIANCE IN LAND USE

J. NAZZARO LP
 3320 Compond Road (WS Rte. 35/202)
 Yorktown Heights (Town of Yorktown - Westchester County), NY 10588
 Tax Map #: 26.18 - 1.23 & 26

C8.0 12 OF 13

DETAIL SHEET

Revision

No.	Date	By	Comments
1	8/27/19	K.A.	Town Engineering Comments
2	9/23/19	K.A.	Revised Grading & Drainage per DEP Comments
3	11/12/19	LSB	Planning Comments

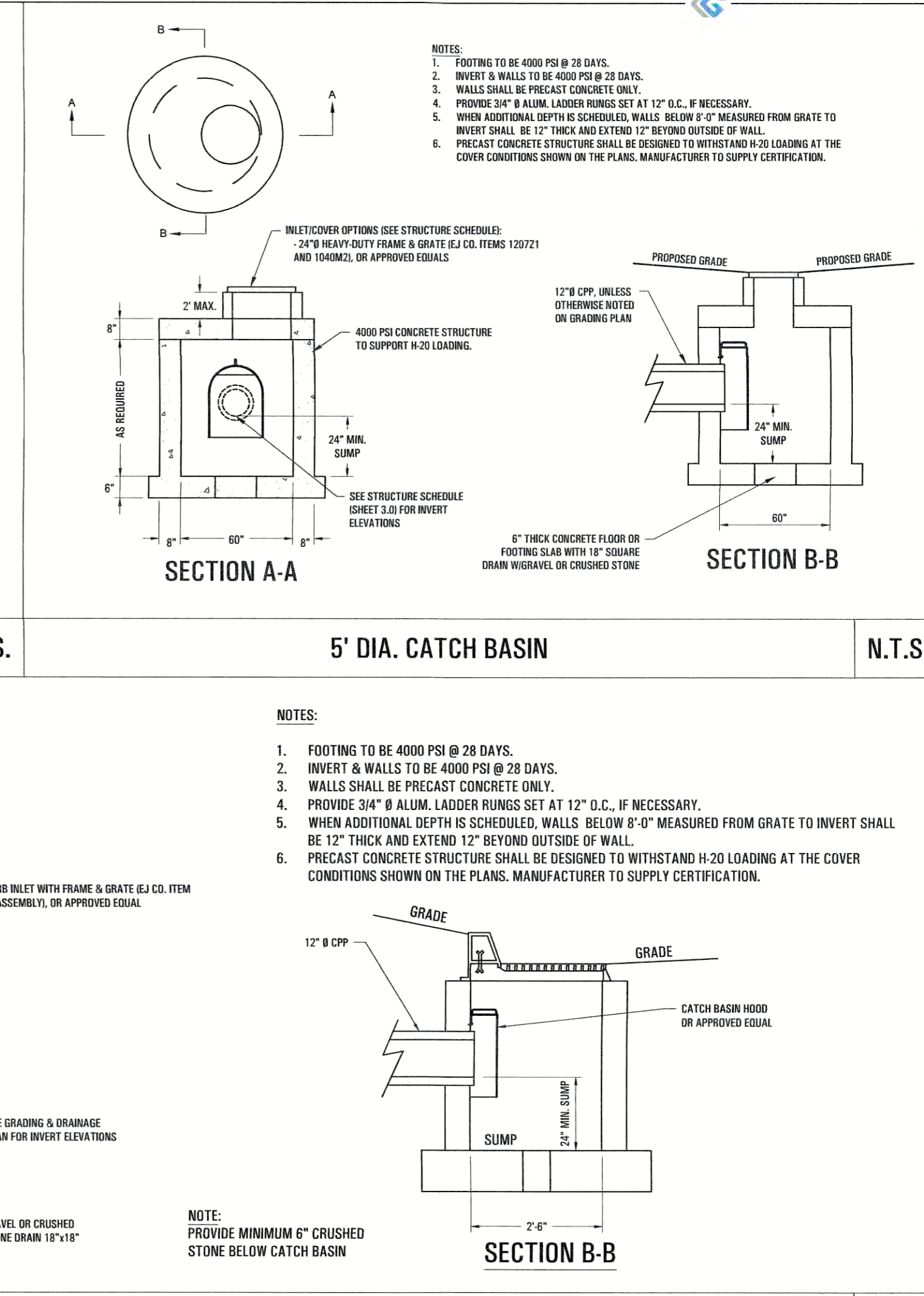
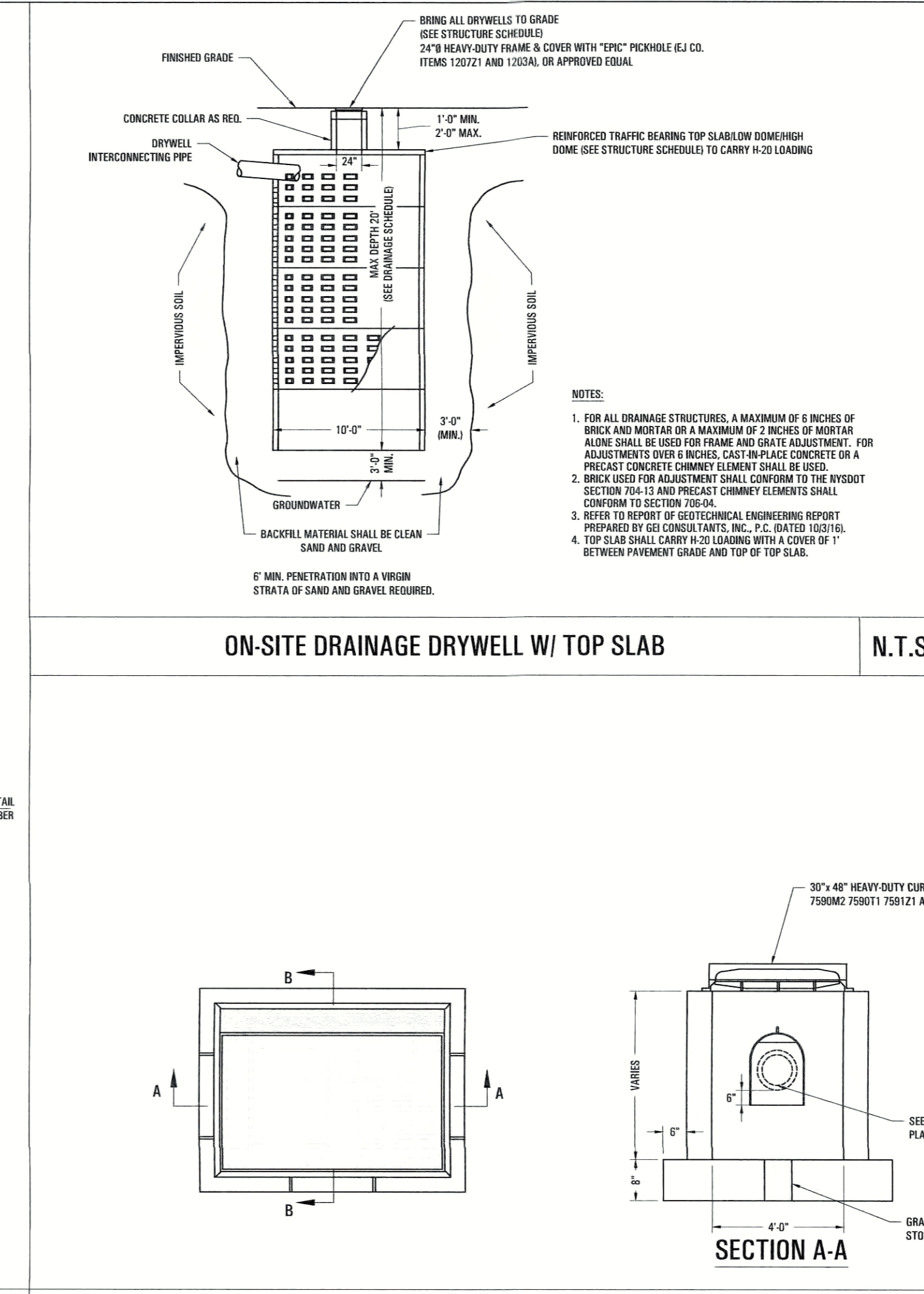
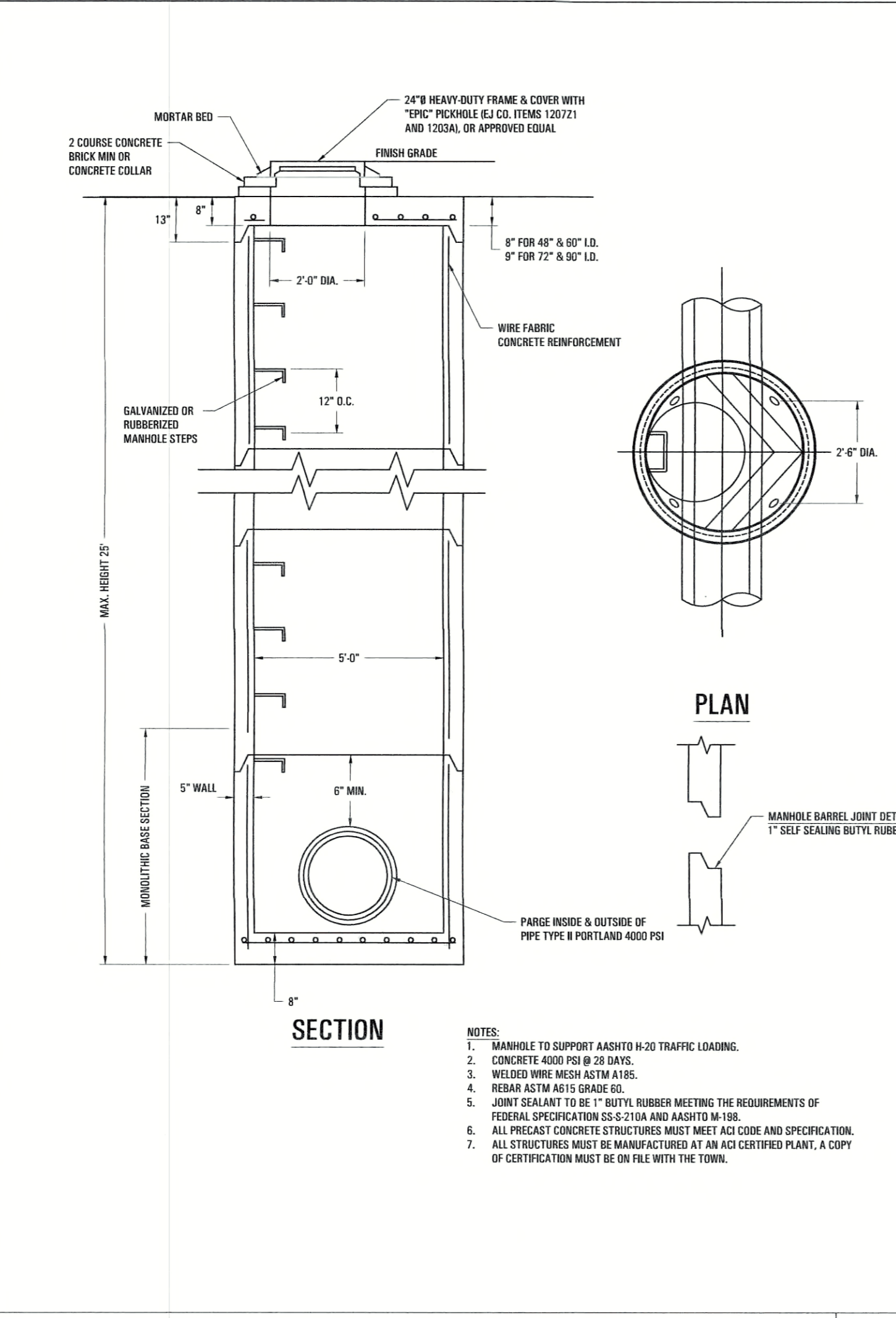
Project # LG 13-0337-C93 Drawing # LG 13-0337-C93 Date: 4/10/19

Permit Set Drawn by: KALSB Checked by: J.P.P.

Professional Engineer State of New York License No. 088005

Professional Engineer State of New York License No. 088005

This drawing is copyrighted and protected under the laws of the United States of America. Any unauthorized use or reproduction of this document without written consent of Lauro Group, Inc. is an infringement upon Copyright Laws. Violators will be subject to prosecution by the full extent of the Law. The Client may make and retain copies of this document for information and reference in connection with this specific project. This document is not intended or represented to be suitable for use by any other project. Any such reuse or modification of the project or on any other project, without the written permission, verification or further due diligence and adaptation by Engineer of Record as appropriate for the specific purpose intended will be at Client's sole risk and without liability of legal exposure to Engineer of Record or Lauro Group, Inc. Client shall indemnify and hold harmless Engineer of Record and Lauro Group, Inc. from any and all claims, damages, losses and expenses, including attorney fees arising out of or resulting therefrom. The Education Law of the State of New York prohibits any person altering anything on these drawings and/or the accompanying specifications, unless it is under the direction of a licensed Professional Engineer. Where such alterations are made, the Professional Engineer must sign, seal, date and describe the full extent of the alteration on the drawings and/or in the specifications. (NYS Education Law, Section 7209(2))

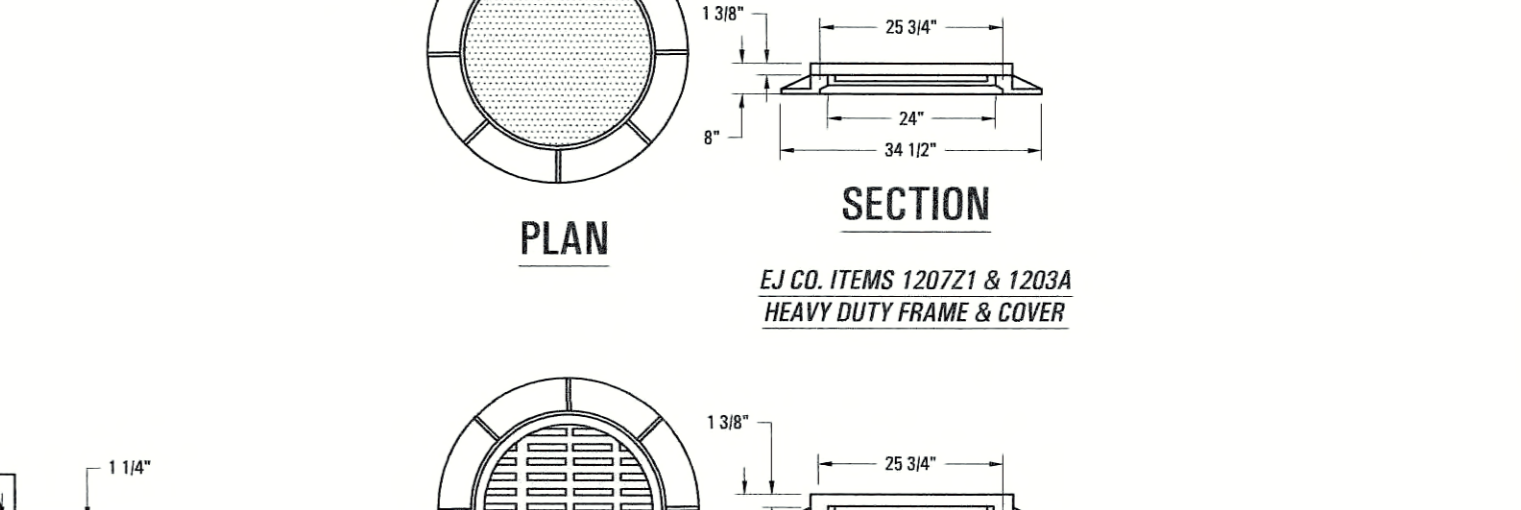
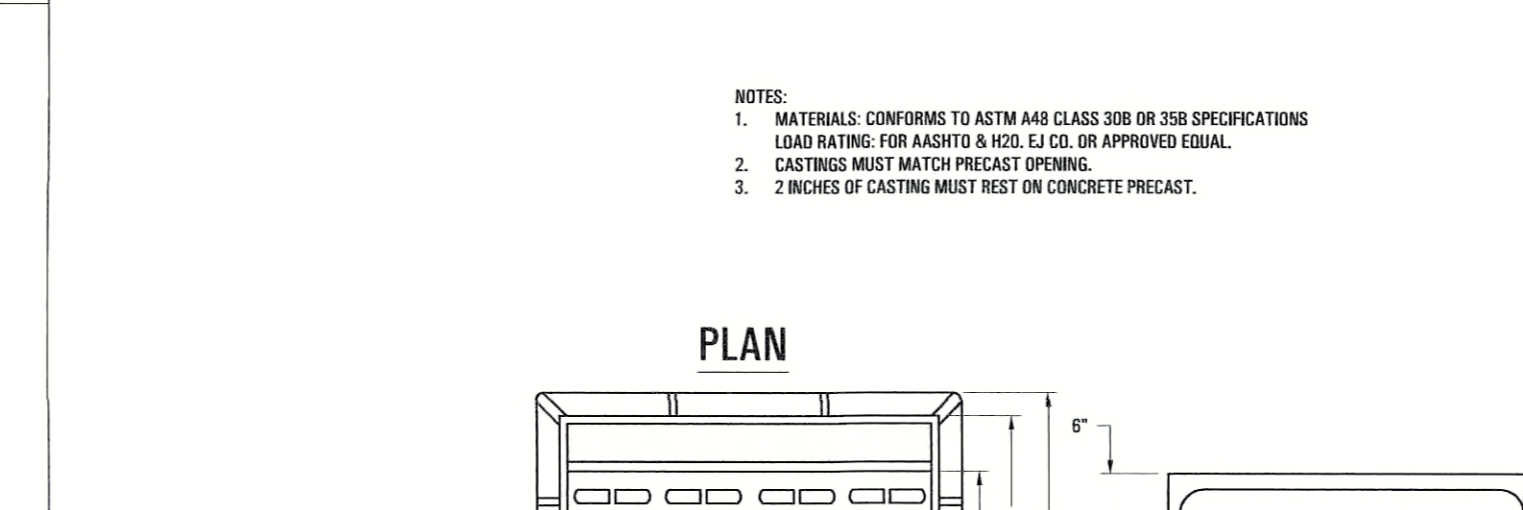
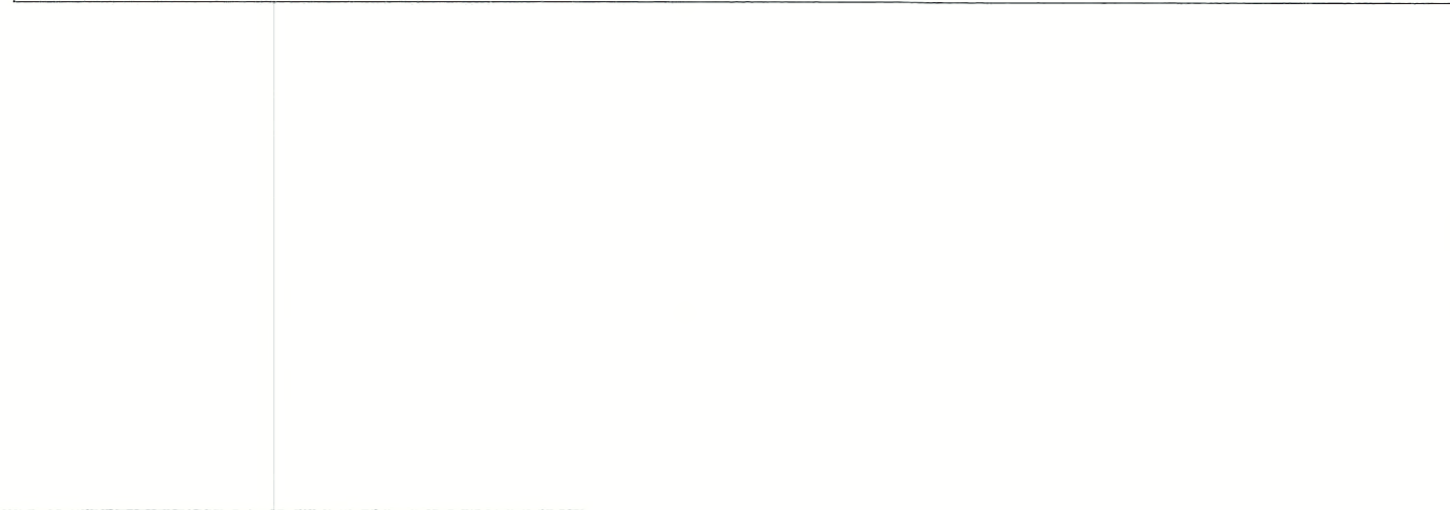


5' DIA. DRAINAGE MANHOLE N.T.S.

ON-SITE DRAINAGE DRYWELL W/ TOP SLAB N.T.S.

5' DIA. CATCH BASIN N.T.S.

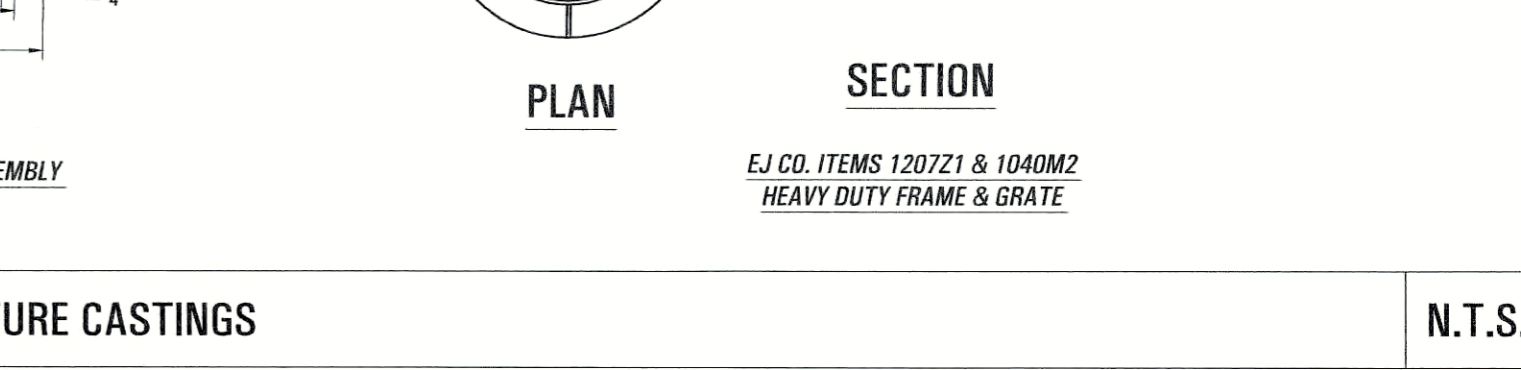
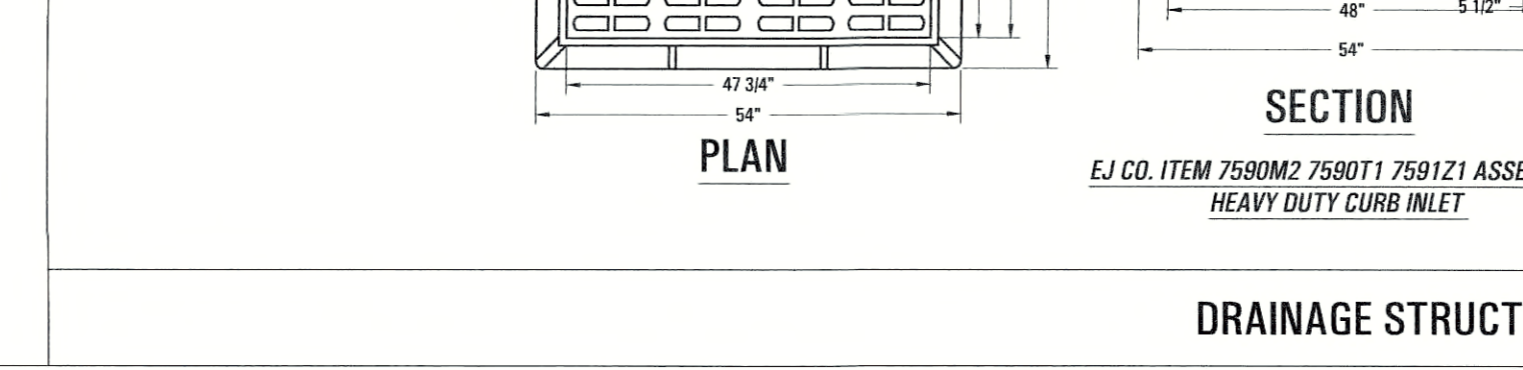
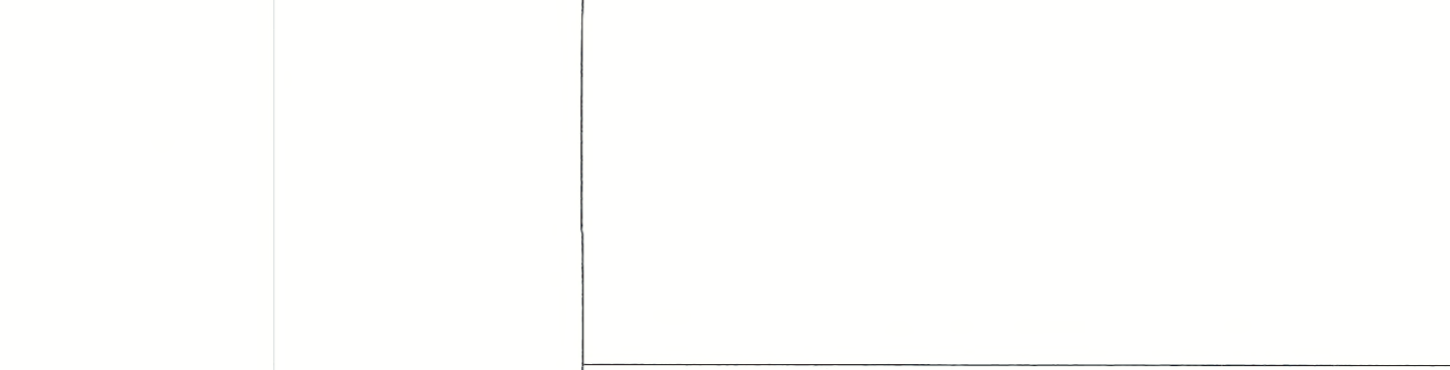
THE DETAILS SHOWN HEREON REPRESENT THE MINIMUM REQUIREMENTS FOR THIS PROJECT BASED UPON MUNICIPAL REQUIREMENTS, RECOMMENDED PRACTICES STANDARDS WITHIN THE CONSTRUCTION INDUSTRY AND THE DESIGN INTENT OF THE ENGINEER OF RECORD. THEY DO NOT PRECLUDE THE CONTRACTOR FROM FURNISHING MATERIALS OF GREATER QUALITY OR IMPLEMENTING METHODS OF HIGHER EFFICIENCY PROVIDED THEY MEET OR EXCEED THE DESIGN INTENT AND PROJECT PERFORMANCE SPECIFICATIONS. FURTHERMORE, SHOULD FIELD CONDITIONS PRESENT SITUATIONS THAT PREVENT THESE DETAILS FROM THEIR UTILITY OR YOUR INTENDED EFFECTIVENESS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY AND PRIOR TO CONSTRUCTION. IN ALL CASES, ANY DEVIATIONS CONTEMPLATED MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY AND MUST BE APPROVED IN WRITING PRIOR TO IMPLEMENTATION.



2'6" x 4'-0" CATCH BASIN N.T.S.

2'6" x 4'-0" CATCH BASIN N.T.S.

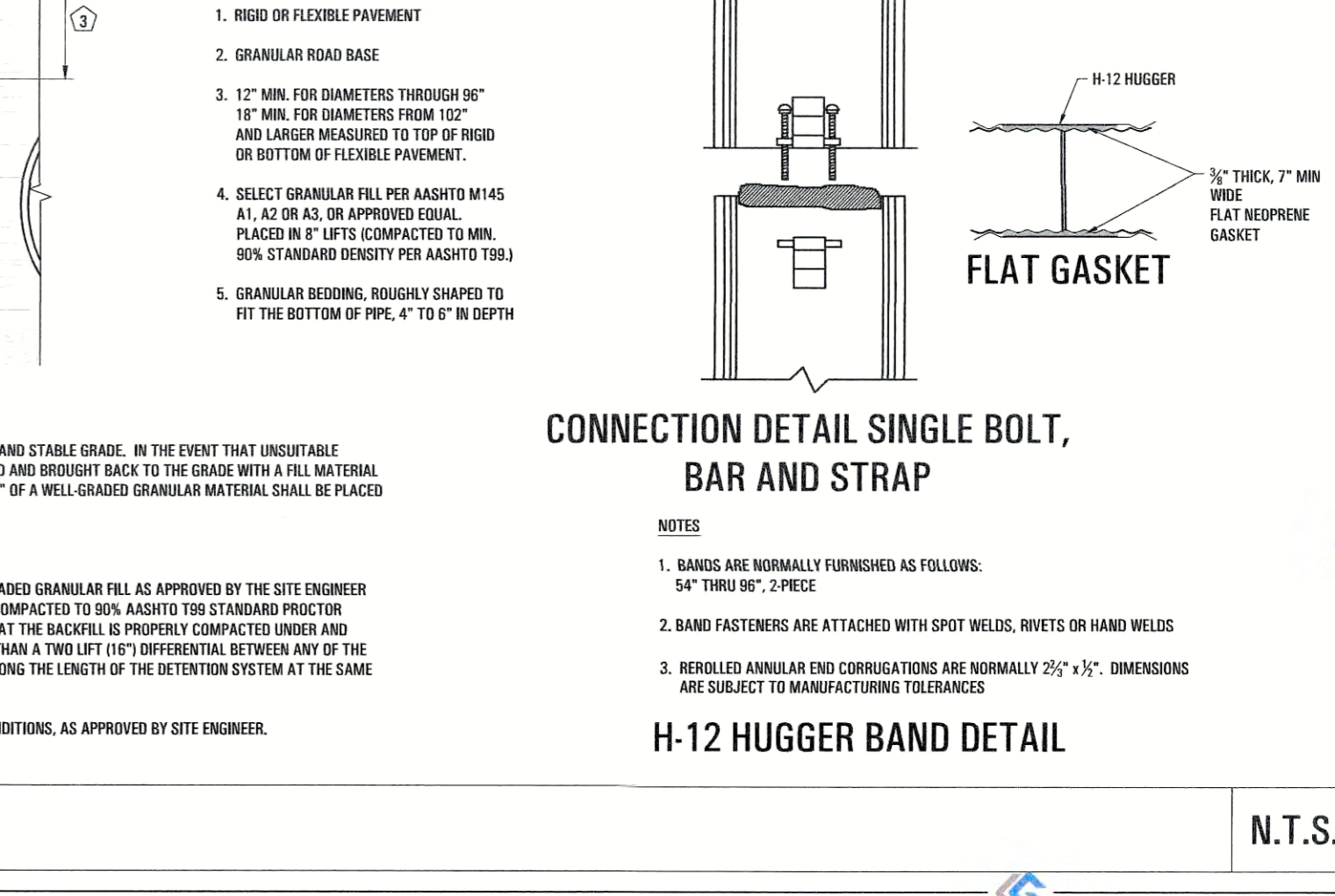
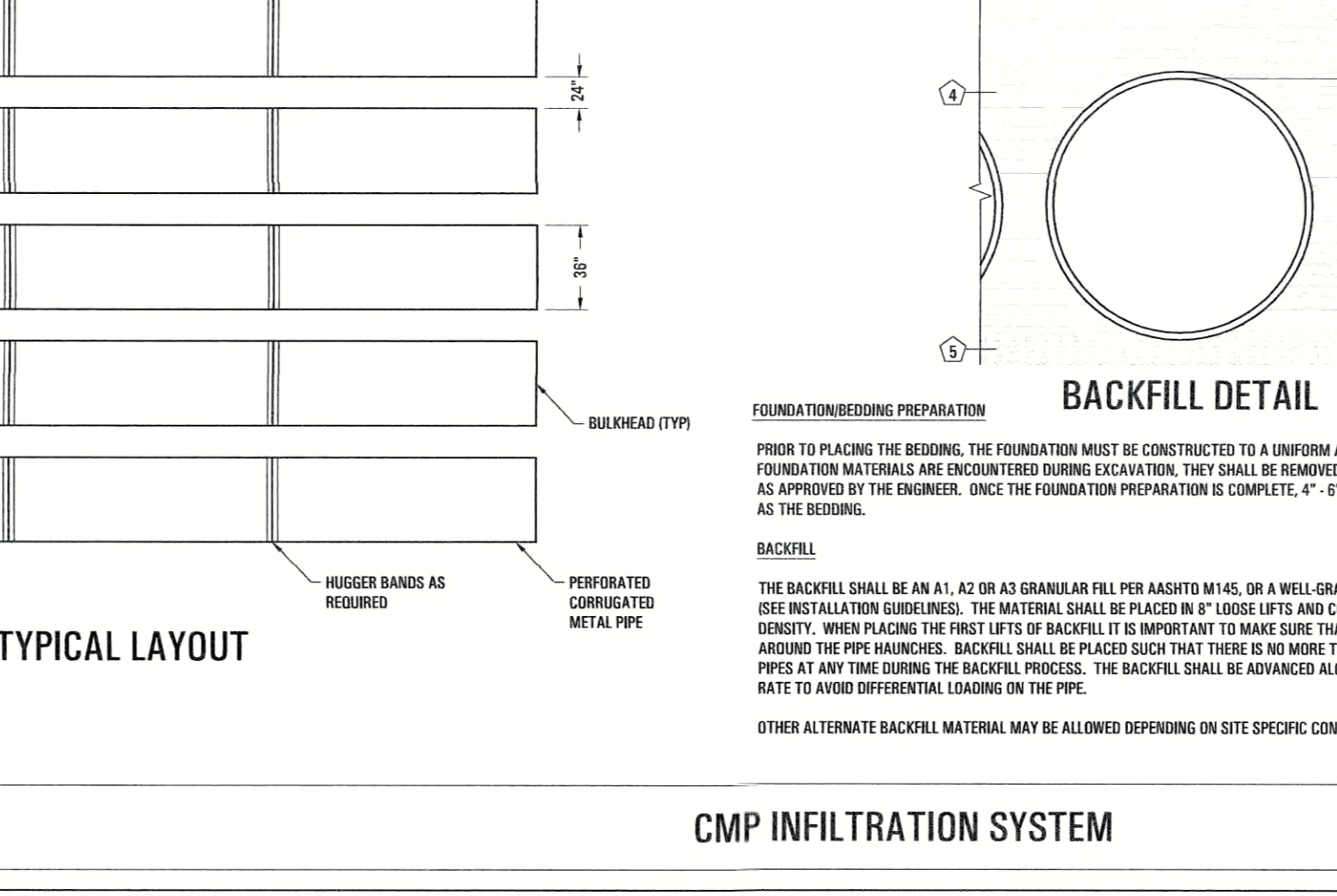
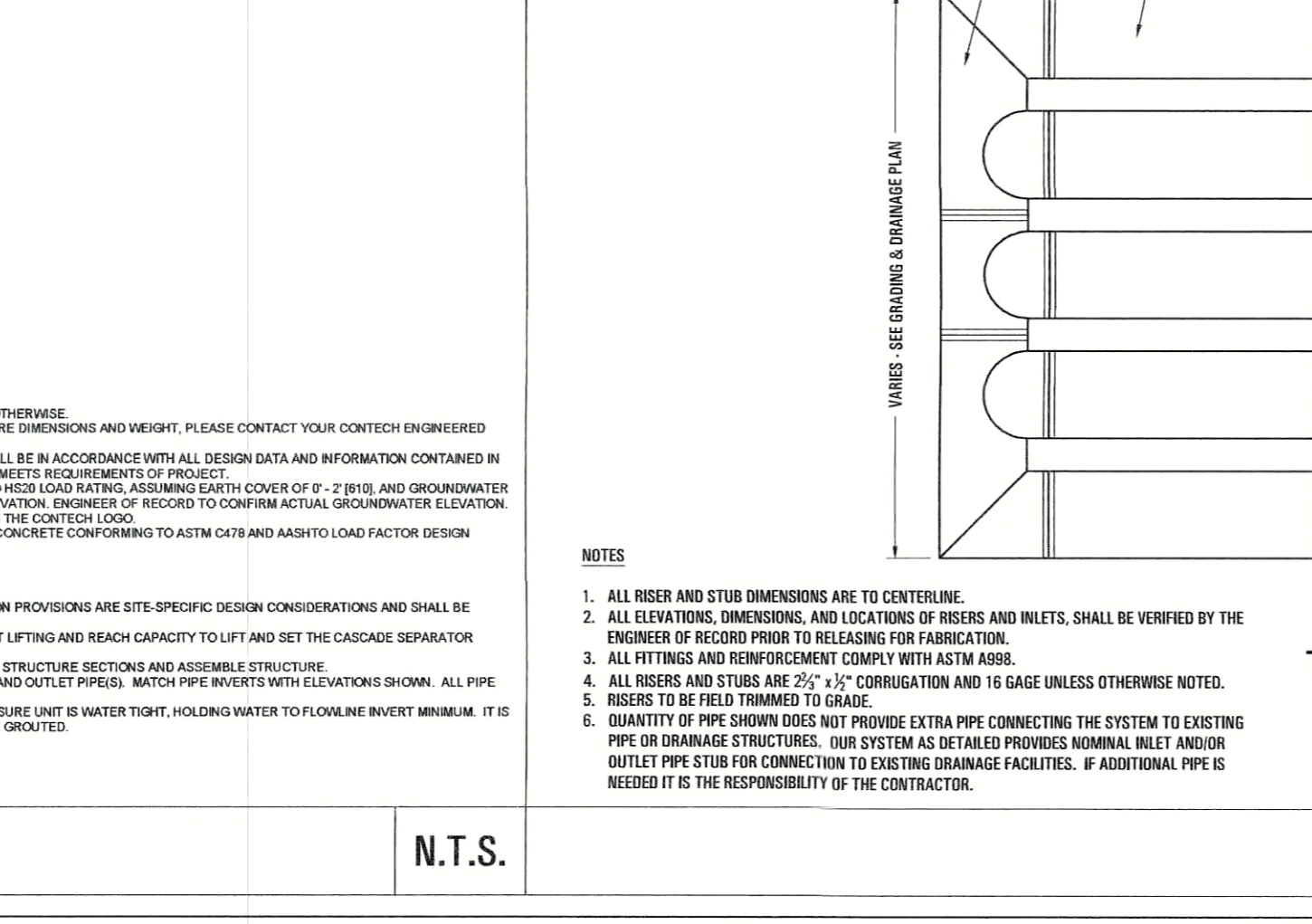
2'6" x 4'-0" CATCH BASIN N.T.S.



4' DIA. CONTECH CASCADE SEPARATOR N.T.S.

2'6" x 4'-0" CATCH BASIN N.T.S.

4' DIA. CONTECH CASCADE SEPARATOR N.T.S.



4' DIA. CONTECH CASCADE SEPARATOR N.T.S.

CMP INFILTRATION SYSTEM N.T.S.

CMP INFILTRATION SYSTEM N.T.S.