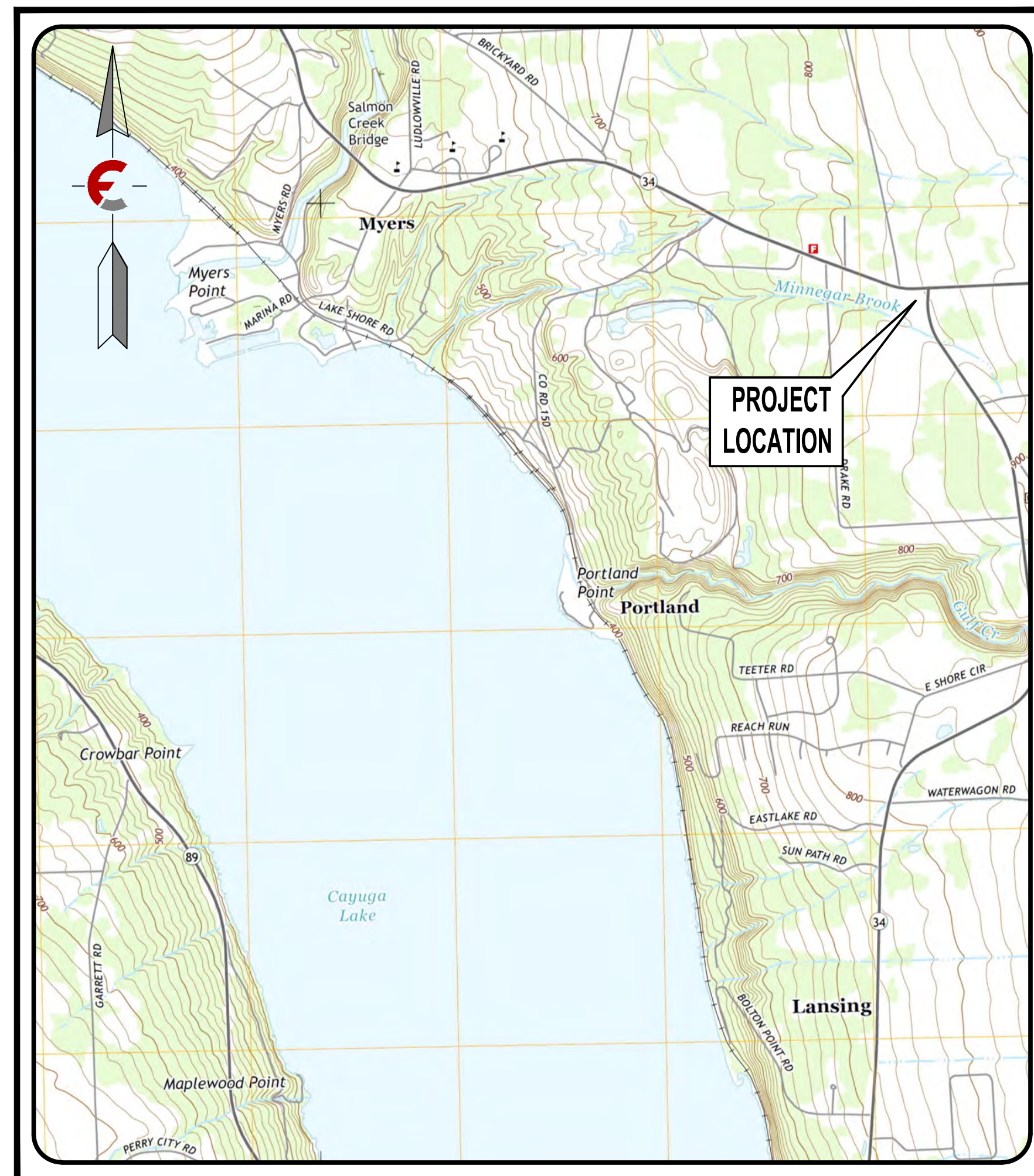


Site Plan Drawings For

PROPOSED DANDY MINI-MART

LANSING (T), TOMPKINS (Co.), NEW YORK



LOCATION MAP

November 30, 2020
Last Revised: October 26, 2022

PREPARED FOR:
JUST DANDY LLC
6221 Mile Lane Road
Sayre, PA 18840

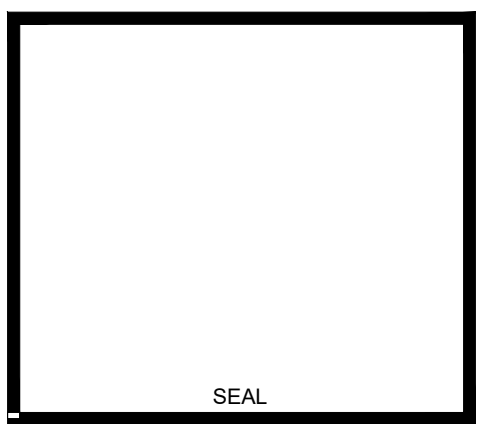
PROJECT LOCATION:
NYS Route 34B (Ridge Road)
Lansing, N.Y. 14850
Tax Map No. 31-6-9.1, 10, 11, 13, 14

INDEX OF DRAWINGS	
NO.	TITLE
C1	GENERAL NOTES
C2	EXISTING CONDITIONS
C3	SITE PLAN
C4	GRADING PLAN
C5	UTILITY PLAN
C6	SITE PROFILES
C7	LANDSCAPING PLAN
C8	PHOTOMETRICS PLAN
C9	CIVIL DETAILS
C10	CIVIL DETAILS
C11	CIVIL DETAILS
C12	SEWER DETAILS
C13	SEWER DETAILS
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C15	E & S DETAILS
C16	NYS DOT WORKZONE DETAILS
C17	TRUCK TURNING PLAN
C18	PASSENGER CAR TURNING PLAN

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5	06/16/22	Per NYSDOT Comments
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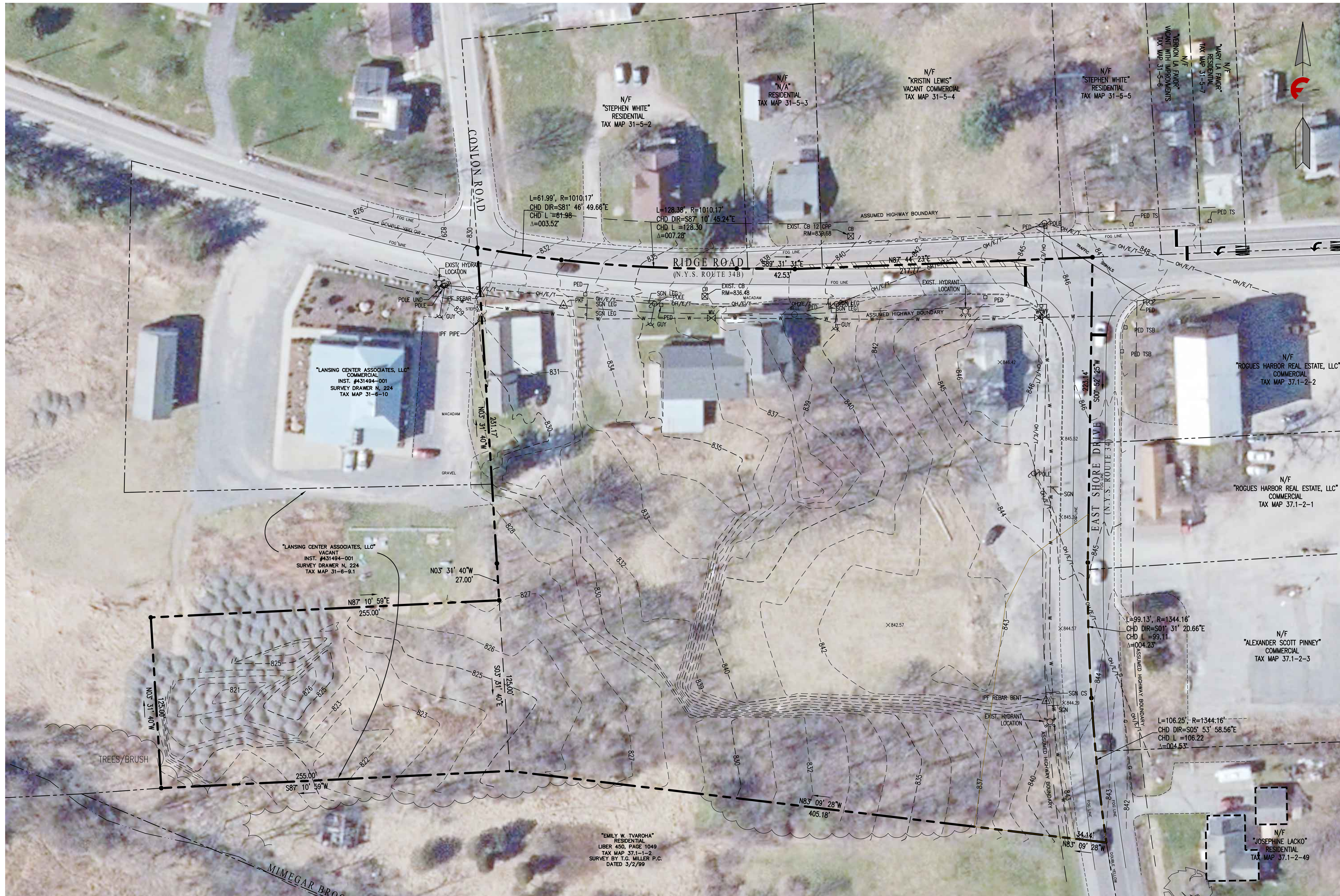


**PROPOSED DANDY
 MINI-MART**
 LANSING (T), TOMPKINS (Co.), NEW YORK



Scale: As Noted
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 Date: November 30, 2020
 Design By: JBG, RSN
 Drawn By: RSN
 Checked By: JBG
 Project No.: 2020.062
 Drawing Name: 20062.dwg

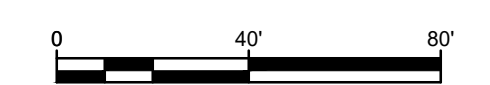
TITLE
CO



LEGEND

---	PROPERTY LINE
---	EXISTING EASEMENT
---	EXISTING EDGE OF ROADWAY
---	EXISTING CURB LINE
---	EXISTING SANITARY SEWER
---	EXISTING GAS MAIN
---	EXISTING UTILITY LINE
---	EXISTING FENCE LINE
---	EXISTING WATER LINE
---	EXISTING CONTOUR LINE
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---	PROPOSED SILT FENCE
---	PROPOSED COMPOST SOCK
○	EXISTING SANITARY MANHOLE
○	EXISTING FIRE HYDRANT ASSEMBLY
○	EXISTING CLEANOUT
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○	PROPOSED LIGHTING FIXTURE
○	PROPOSED SPOT ELEVATION
○	PROPOSED DRYWELL
○	PROPOSED CATCH BASIN
○	PROPOSED INLET PROTECTION
○	PROPOSED TOP/BOTTOM CURB

- PLAN NOTES:**
- BASE MAPPING PREPARED BY WEILER ASSOCIATES PROJECT #16510T DATED 10/20/2020.
 - FLOODPLANE DESIGNATION - ZONE C
 - UNIQUE NATURAL AREAS - N/A
 - NEW YORK STATE WETLANDS - N/A
 - FEDERAL WETLANDS - N/A



Note: Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

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Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
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EXISTING CONDITIONS
C2



LEGEND	
---	PROPERTY LINE
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---	EXISTING CURB LINE
---	EXISTING SANITARY SEWER
---	EXISTING GAS MAIN
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---	PROPOSED DRYWELL
---	PROPOSED CATCH BASIN
---	PROPOSED INLET PROTECTION
---	PROPOSED TOP/BOTTOM CURB

- GENERAL DEMOLITION NOTES:**
- THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE PLAN SET AND PROJECT SPECIFICATIONS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED. SEE SITE WORK SPECIFICATIONS.
 - CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
 - THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
 - EXISTING WELLS TO BE ABANDONED. SEE GENERAL NOTES (C-1) FOR PROPER ABANDONMENT PROCEDURES.

- EXISTING BUILDINGS TO BE REMOVED.
- EXISTING CONCRETE PADS & WALKS TO BE REMOVED.
- EXISTING BLACKTOP TO BE REMOVED.
- EXISTING CULVERT TO BE REMOVED.
- EXISTING STONE TO BE REMOVED.
- EXISTING TREES TO BE REMOVED.
- EXISTING CONCRETE APRON TO BE REMOVED.
- EXISTING WELL TO BE ABANDONED.
- EXISTING CONCRETE CURB TO BE REMOVED.
- REMOVE EXISTING MOUND, ABSORPTION TRENCHES, PIPES AND VAULTS.

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Checked By:	JBG
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**EXISTING
CONDITIONS**

C2



LEGEND

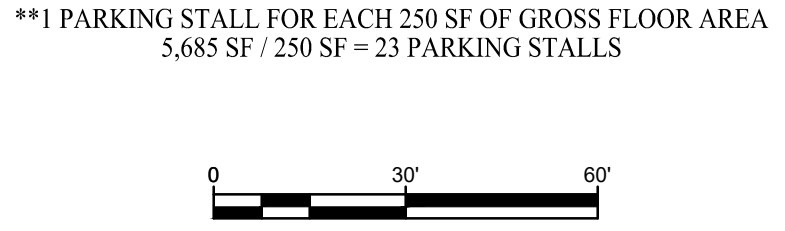
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○	PROPOSED TOP/BOTTOM CURB

ZONING INFORMATION

B-1 & B-2 ZONING DISTRICTS

	REQUIRED	PROPOSED
PARCEL SIZE	NONE	4.7 Acres
MIN. ROAD FRONTAGE	100'	785'
BUILDING SETBACK		
FRONT YARD	60'	117'
REAR YARD	10'	145'
SIDE YARD	10'	186'
MAX. BUILDING HEIGHT		
MAX HEIGHT	35'	?
MAX. LOT COVERAGE	80%	63%
MIN. PARKING SPACES	23 SPACES**	36 SPACES

**1 PARKING STALL FOR EACH 250 SF OF GROSS FLOOR AREA
3,685 SF / 250 SF = 23 PARKING STALLS



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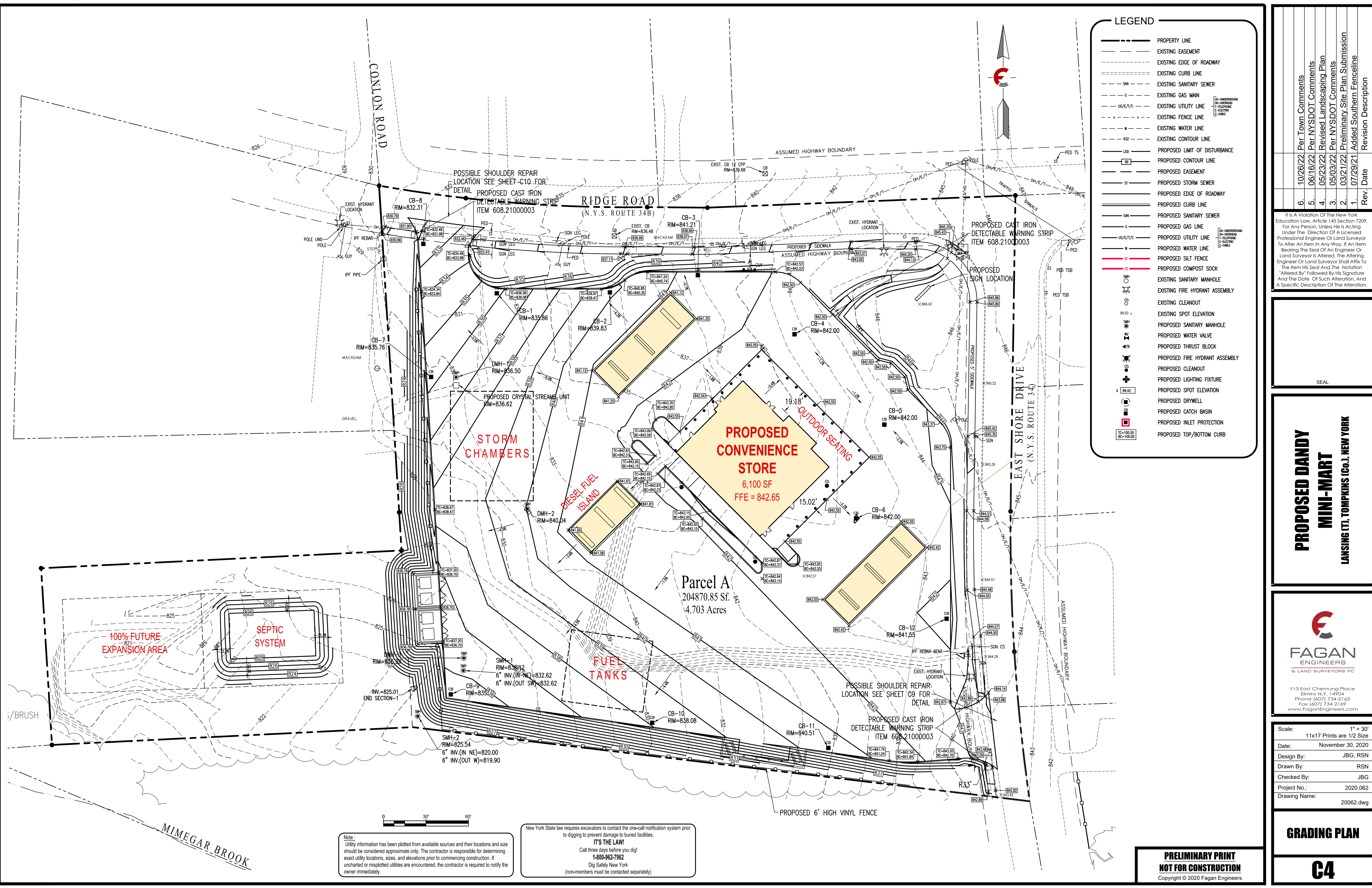
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Design By: JBG, RSN
Drawn By: RSN
Checked By: JBG
Project No.: 2020.062
Drawing Name: 20062.dwg

SITE PLAN
C3



LEGEND

---	PROPERTY LINE
- - - -	EXISTING EASEMENT
- - - - -	EXISTING EDGE OF ROADWAY
- - - - -	EXISTING CURB LINE
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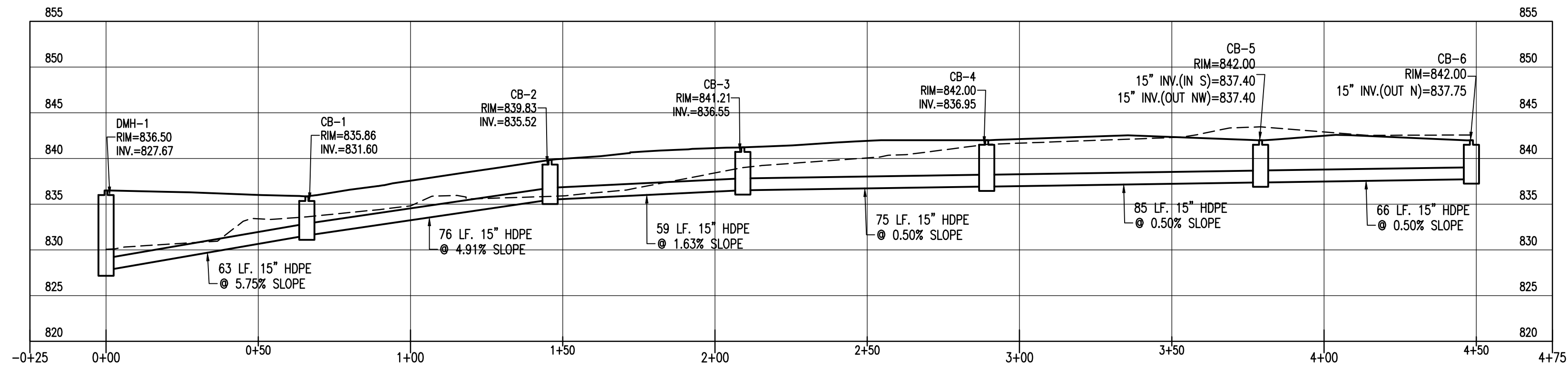
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GRADING PLAN
C4

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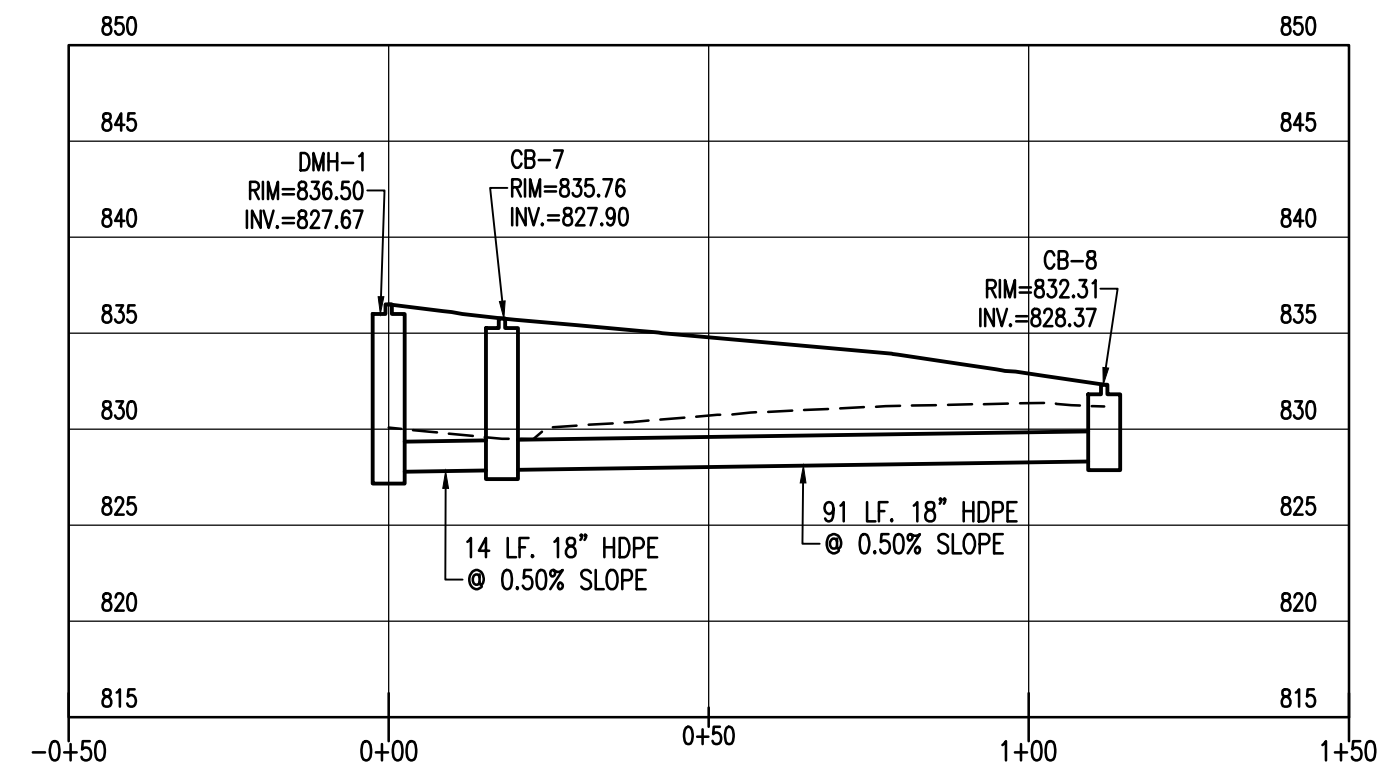
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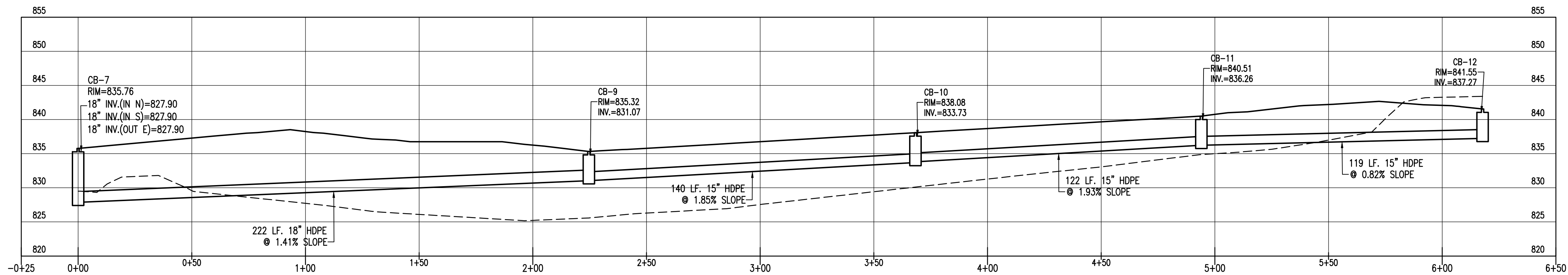
**DMH-1 TO CB-6
STORM SEWER PROFILE**

HORIZ. SCALE: 1" = 30'
VERT. SCALE: 1" = 10'



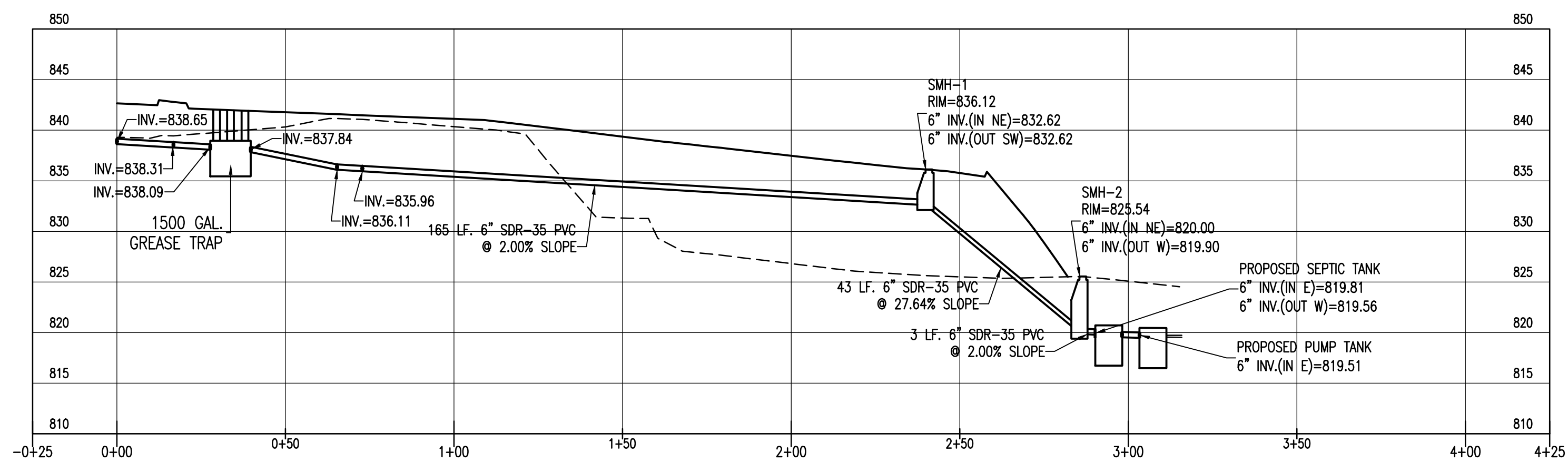
**DMH-1 TO CB-8
STORM SEWER PROFILE**

HORIZ. SCALE: 1" = 30'
VERT. SCALE: 1" = 10'



**CB-7 TO CB-12
STORM SEWER PROFILE**

HORIZ. SCALE: 1" = 30'
VERT. SCALE: 1" = 10'



SANITARY SEWER PROFILE

HORIZ. SCALE: 1" = 30'
VERT. SCALE: 1" = 10'

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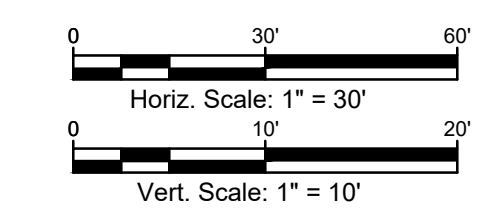
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SITE PROFILES
C6

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LANDSCAPING CHART

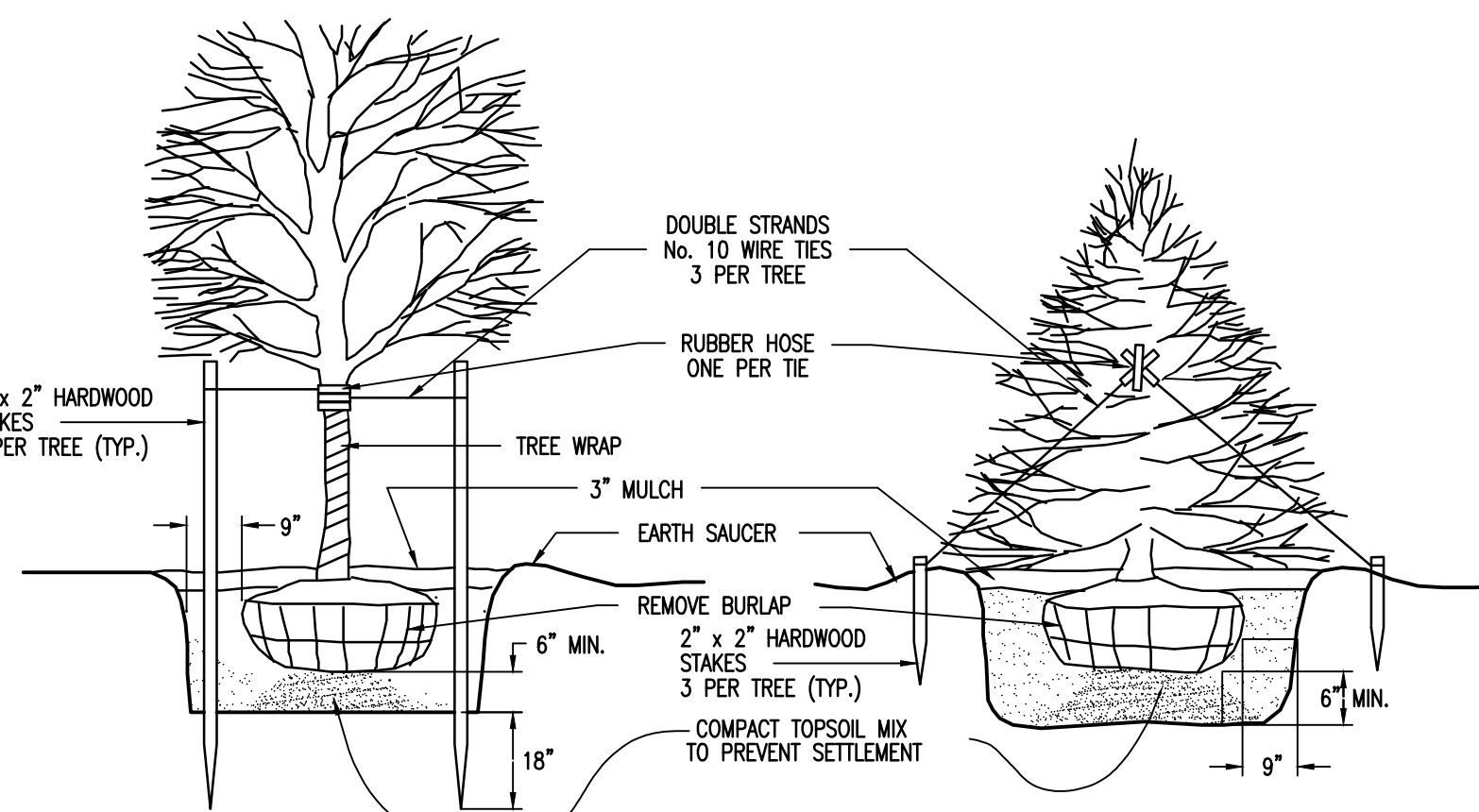
KEY	MIN. QTY.	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	MIN. CAULIPER	CONTAINER SIZE	MATURE WIDTH
SB	18	PRUNUS SERRULATA 'KANZA'	SERVICE BERRY	7-10'	2" MIN.	B+B	15-25'
BW	12	BUSCUS 'WINTERGREEN'	WINTER GREEN BOXWOOD	3-4'	N/A	#5	3-5'
SC	2	PRUNUS X CISTENA	PURPLELEAF SAND CHERRY	7-10'	N/A	#5	5-7'
GS	3	SPIRAEA JAPONICA	GOLDMOUND SPIREA	2-3'	N/A	#5	4'
BB	2	CARYOPTERIS X CLANDONENSIS	BLUEBEARD	2-3'	N/A	#5	2'
SJ	4	JUNIPERUS CHINENSIS VAR. SARGENTII	SARGENT JUNIPER	2'	N/A	#5	6-8'

LANDSCAPING NOTES:

1. TOPSOIL AND SEED ALL DISTURBED LAWN AREAS.
2. PROVIDE APPROVED DOUBLE GROUND HARDWOOD MULCH (DARK BROWN) FOR PLANTING MULCH IN PARKING AREA ISLANDS.

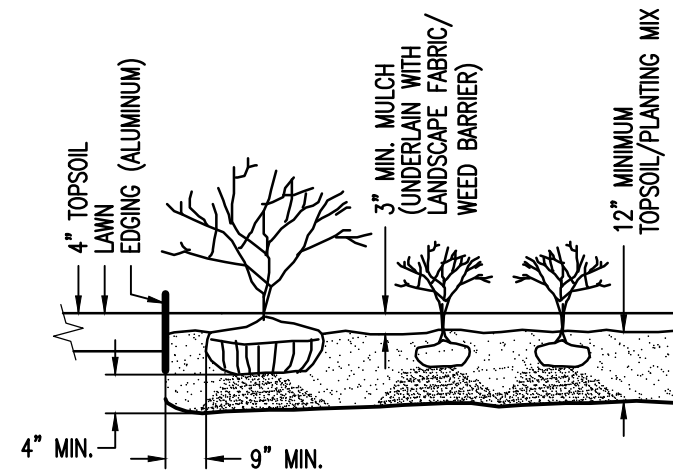
NOTE:

- MAINTENANCE AND REPLACEMENT OF LANDSCAPE MATERIALS SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER AND ALL FUTURE OWNERS.



DECIDUOUS TREES

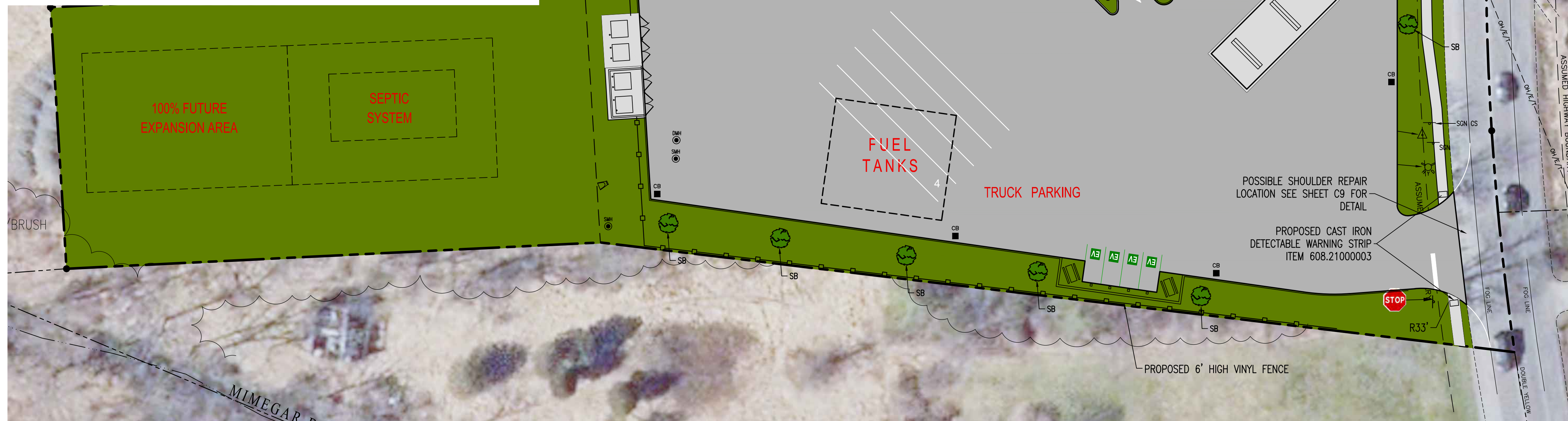
EVERGREEN TREES



SHRUB AND PLANTING BEDS

TREE AND SHRUB PLANTING DETAIL

N.T.S.



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- EXISTING EDGE OF ROADWAY
- EXISTING CURB LINE
- EXISTING SANITARY SEWER
- EXISTING GAS MAIN
- EXISTING UTILITY LINE
- EXISTING FENCE LINE
- EXISTING WATER LINE
- EXISTING CONTOUR LINE
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED CONTOUR LINE
- PROPOSED EASEMENT
- PROPOSED STORM SEWER
- PROPOSED EDGE OF ROADWAY
- PROPOSED CURB LINE
- PROPOSED SANITARY SEWER
- PROPOSED GAS LINE
- PROPOSED UTILITY LINE
- PROPOSED WATER LINE
- PROPOSED SILT FENCE
- PROPOSED COMPOST SOCK
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT ASSEMBLY
- EXISTING CLEANOUT
- EXISTING SPOT ELEVATION
- PROPOSED SANITARY MANHOLE
- PROPOSED WATER VALVE
- PROPOSED THRUST BLOCK
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED CLEANOUT
- PROPOSED LIGHTING FIXTURE
- PROPOSED SPOT ELEVATION
- PROPOSED DRYWELL
- PROPOSED CATCH BASIN
- PROPOSED INLET PROTECTION
- PROPOSED TOP/BOTTOM CURB

Note: Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
 Call three days before you dig!
 1-800-962-7962
 Dig Safely New York
 (non-members must be contacted separately)

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Rev.	Date	Description
1	07/29/21	Added Southern Fenceline
2	03/21/22	Preliminary Site Plan Submission
3	05/03/22	Per NYSDOT Comments
4	05/23/22	Revised Landscaping Plan
5	06/16/22	Per NYSDOT Comments
6	10/26/22	Per Town Comments

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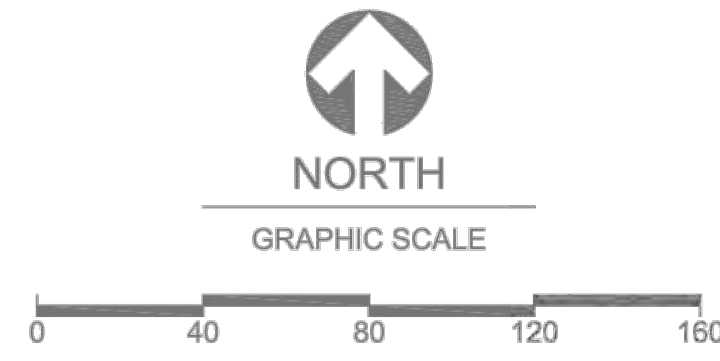
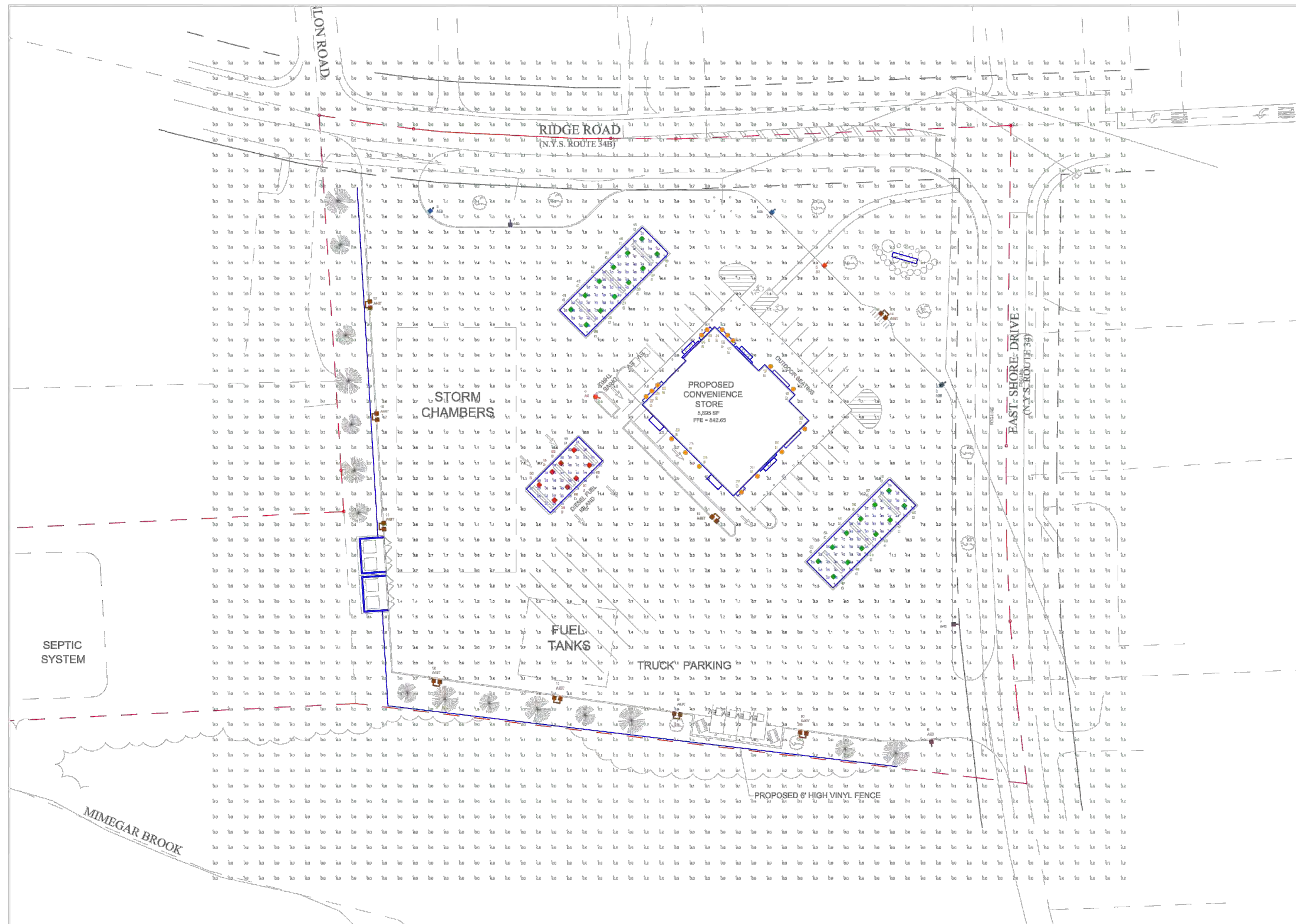
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PROPOSED DANDY MINI-MART
 LANSING CT, TOMPKINS CO., NEW YORK

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 & LAND SURVEYORS PC
 113 East Chemung Place
 Elmira N.Y. 14904
 Phone (607) 734-2165
 Fax (607) 734-2169
 www.FaganEngineers.com

Scale: 11x17 Prints are 1/2 Size
 Date: November 30, 2020
 Design By: JBG, RSN
 Drawn By: RSN
 Checked By: JBG
 Project No.: 2020.062
 Drawing Name: 20062.dwg

LANDSCAPING PLAN
C7



FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
SITE PAVED AREA	2.53	18.7	0.6	4.22	31.17
UNDEFINED	0.20	4.2	0.0	N.A.	N.A.
UNDER DIESEL CANOPY	36.09	50	20	1.80	2.50
UNDER NORTH AUTO CANOPY	41.09	50	25	1.64	2.00
UNDER SOUTH AUTO CANOPY	40.97	50	25	1.64	2.00

NOTES:
 - ALL AREA LIGHTS ON NEW 25 FT. POLE MOUNTED ON CONCRETE BASE, TOP OF CONCRETE BASE AT GRADE.

SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
[Symbol]	3	A3B	SINGLE	7575	1.030	B1-U0-G2	72	216	Cree Inc	OSQ-ML-B-AA-XX + OSQM-B-11L-50K9-3M-UL-NM-XX-w_OSQ-BLSMF
[Symbol]	2	A4	SINGLE	9599	1.030	B2-U0-G2	72	144	Cree Inc	OSQ-ML-B-AA-XX + OSQM-B-11L-50K9-4M-UL-NM-XX
[Symbol]	3	A4B	SINGLE	7374	1.030	B1-U0-G2	72	216	Cree Inc	OSQ-ML-B-AA-XX + OSQM-B-11L-50K9-4M-UL-NM-XX-w_OSQ-BLSMF
[Symbol]	9	A4BT	TWIN	7374	1.030	B1-U0-G2	72	1296	Cree Inc	OSQ-ML-B-AA-XX + OSQM-B-11L-50K9-4M-UL-NM-XX-w_OSQ-BLSMF
[Symbol]	17	B	SINGLE	1378	1.000	B1-U0-G0	15.06	256.02	TROY-CSL LIGHTING	RH20-LED1540-XX-FG-3-LL23-XX
[Symbol]	24	C	SINGLE	10225	1.020	B3-U0-G1	86	2064	Cree Lighting	CPY250-C-13L-50K9-F-UL-DM-XX
[Symbol]	8	D	SINGLE	10225	1.020	B3-U0-G1	86	688	Cree Lighting	CPY250-C-13L-50K9-F-UL-DM-XX

LUMINAIRE LOCATION SUMMARY		
LUM NO.	LABEL	MTG. HT.
1	A3B	25
2	A3B	25
3	A3B	25
4	A4	25
5	A4	25
6	A4B	25
7	A4B	25
8	A4B	25
9	A4BT	25
10	A4BT	25
11	A4BT	25
12	A4BT	25
13	A4BT	25
14	A4BT	25
15	A4BT	25
16	A4BT	25
17	A4BT	25
18	B	12
19	B	12
20	B	12
21	B	12
22	B	12
23	B	12
24	B	12
25	B	12
26	B	12
27	B	12
28	B	12
29	B	12
30	B	13.25
31	B	13.25
32	B	13.25
33	B	13.25
34	B	13.25
35	C	15
36	C	15
37	C	15
38	C	15
39	C	15
40	C	15
41	C	15
42	C	15
43	C	15
44	C	15
45	C	15
46	C	15
47	C	15
48	C	15
49	C	15
50	C	15
51	C	15
52	C	15
53	C	15
54	C	15
55	C	15
56	C	15
57	C	15
58	C	15
59	D	18
60	D	18
61	D	18
62	D	18
63	D	18
64	D	18
65	D	18
66	D	18

Rev.	Date	Revision Description
6	10/26/22	Per Town Comments
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Checked By:	JBG
Project No.:	2020.062
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PHOTOMETRICS PLAN
C8

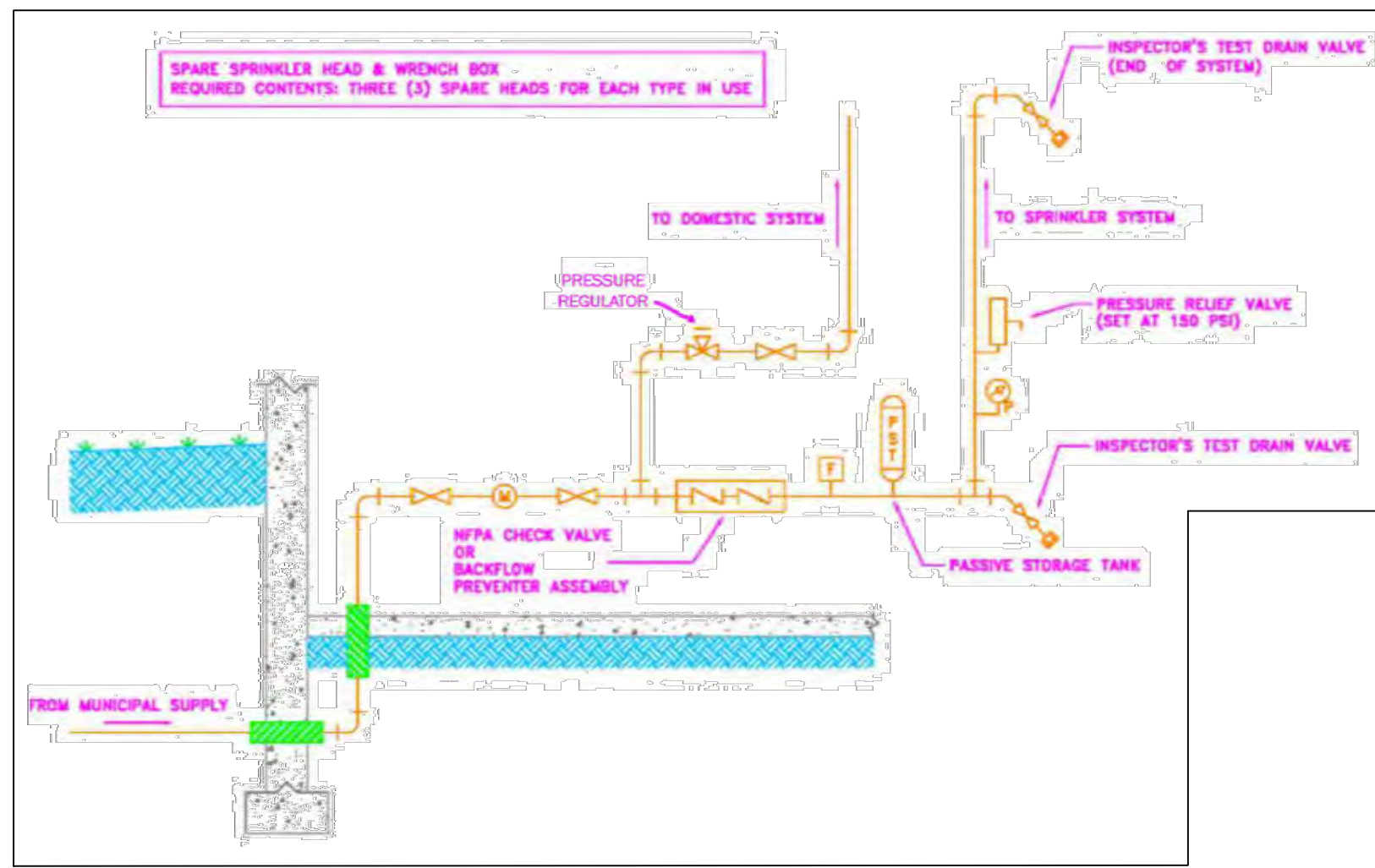
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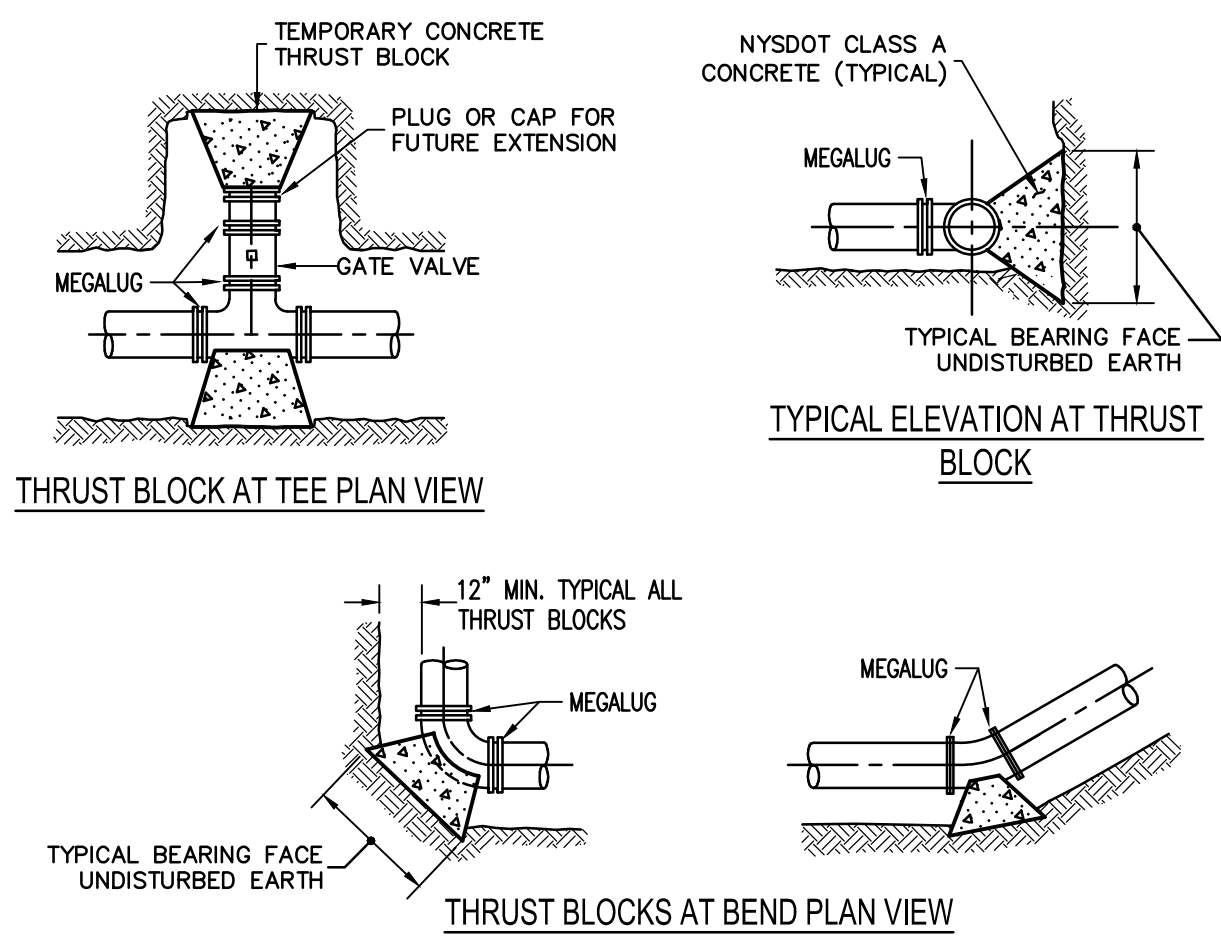
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DANDY MINI MART D85
LANSING, NY
 DRAWING NUMBER:
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WATER METER & SPRINKLER DETAIL

N.T.S.



TYPICAL THRUST BLOCK DETAILS

N.T.S.

PIPE SIZE	90° BEND OR HYD.	45° BEND	22-1/2° BEND	11-1/4° BEND	TEE OR DEAD END
4"	1.3	1.0 MIN.	1.0 MIN.	1.0 MIN.	1.0 MIN.
6"	2.6	1.4	1.0 MIN.	1.0 MIN.	1.9
8"	4.6	2.5	1.3	1.0 MIN.	3.2
10"	6.8	3.7	1.9	1.0 MIN.	4.8
12"	9.7	5.2	2.7	1.3	6.8

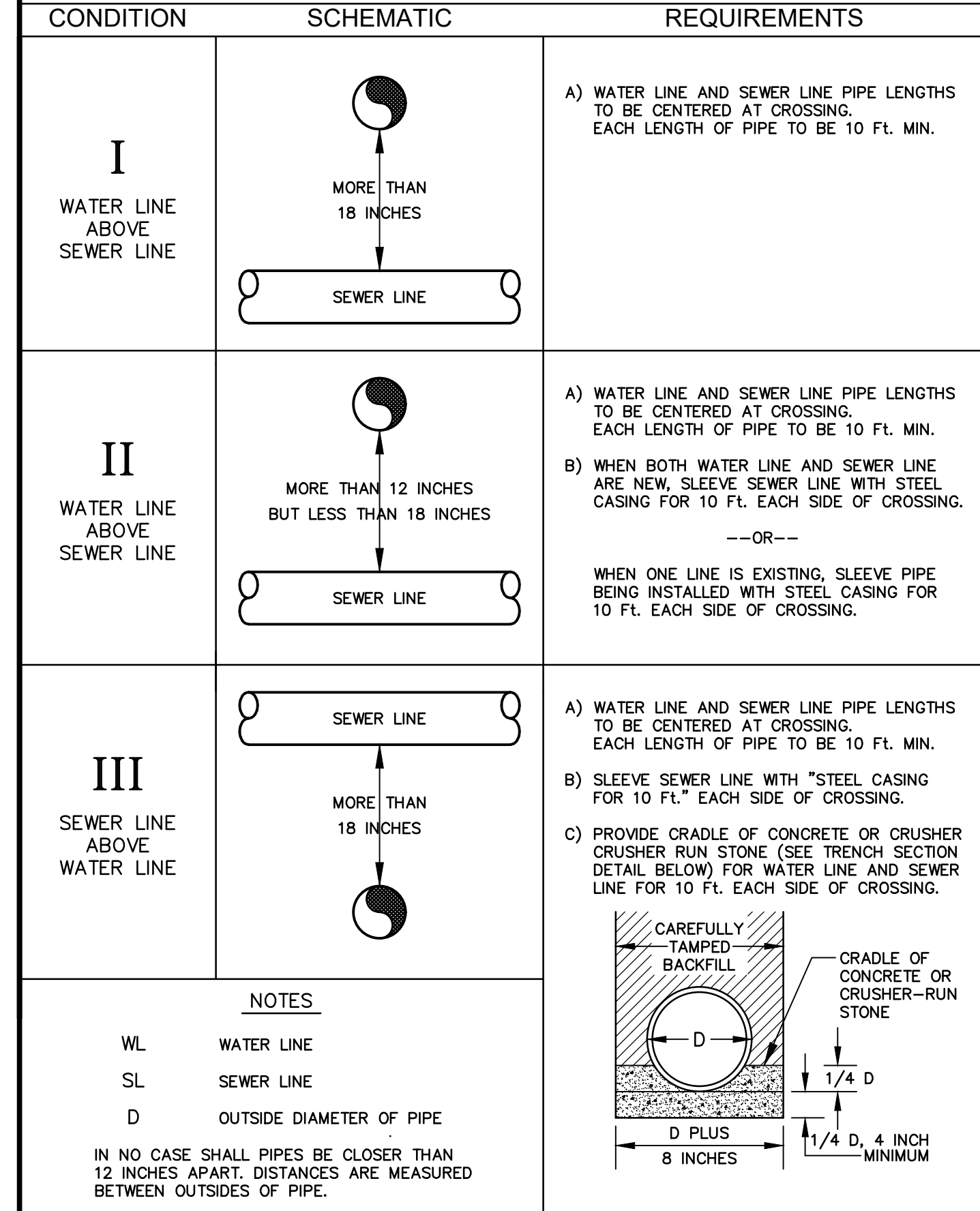
MINIMUM AREA OF BEARING FACE OF CONCRETE THRUST BLOCK IN SQ. FT. BLOCKS TO BE POURED AGAINST UNDISTURBED EARTH.

AREAS BASED ON AN INTERNAL PRESSURE OF 150 P.S.I.G. AND A SOIL BEARING PRESSURE OF 3000 P.S.F.

NOTES:

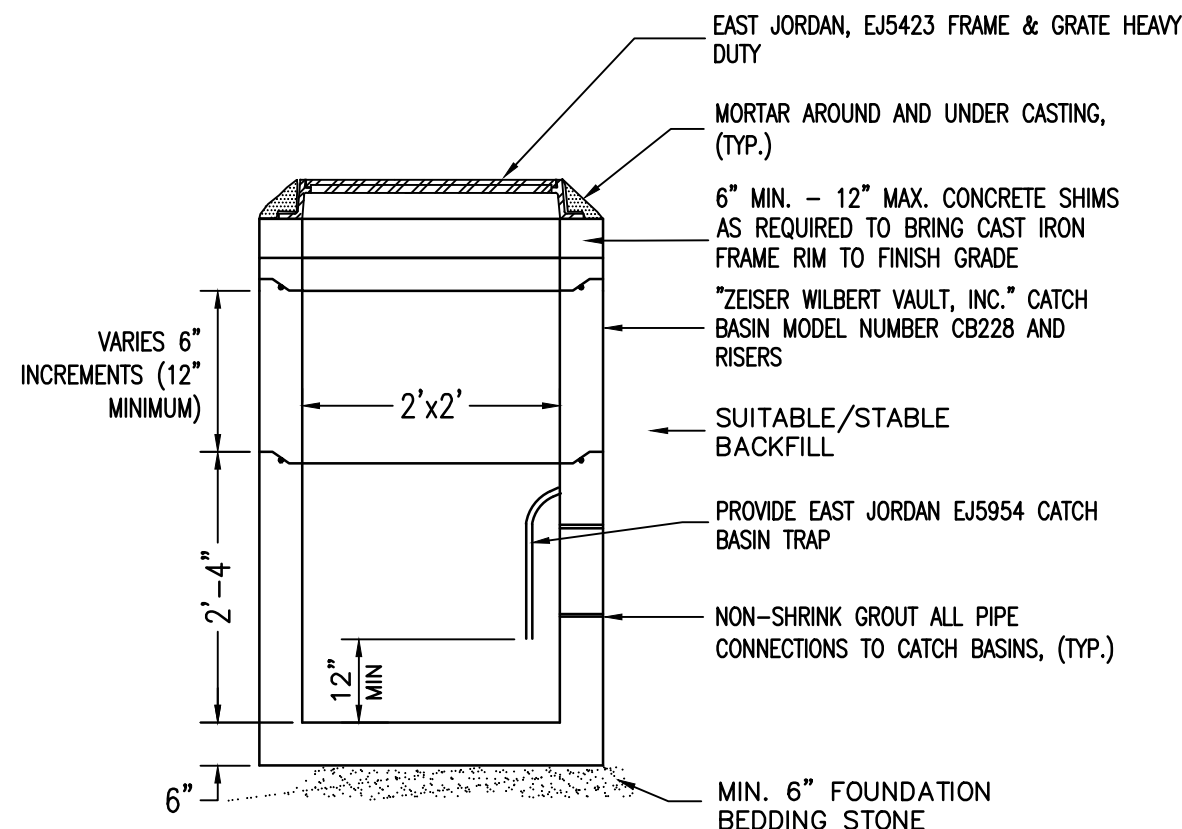
1. Thrust blocks shall be placed at all bends, tees, and dead ends.
2. MEGALUG Series 1100 or approved equal shall be utilized with the thrust blocks.
3. The thrust restraint bearing areas listed above are based on the internal pressures and soil bearing capacities as noted. If adverse soil conditions warrant these areas will require adjustment as directed by the engineer.
4. Form thrust blocks such that all mechanical joint fitting's nuts & bolts are not covered over with concrete.
5. Thrust restraint gaskets (in push-on type joints): "Jeld lok gaskets" shall be utilized in deflected pipe joints.
6. Mechanical joint fitting thrust restraint - aboa iron sales, inc.: megalug series 1100, or approved equal to be utilized on all vertical bend fittings, oil reducers and horizontal fittings (tees, bends, etc.) where concrete thrust blocks are not practical, reliable or subject to future disturbance.
7. Gravity thrust blocks for vertical bends shall be used in conjunction with the previously noted M.J. thrust restraints. The gravity blocks located under the vertical fittings shall be anchored to the fittings with a minimum of two no.6 rebars looped around the fitting and anchored into the poured in place gravity thrust block.

WATERMAIN / SEWER CROSSING DETAIL



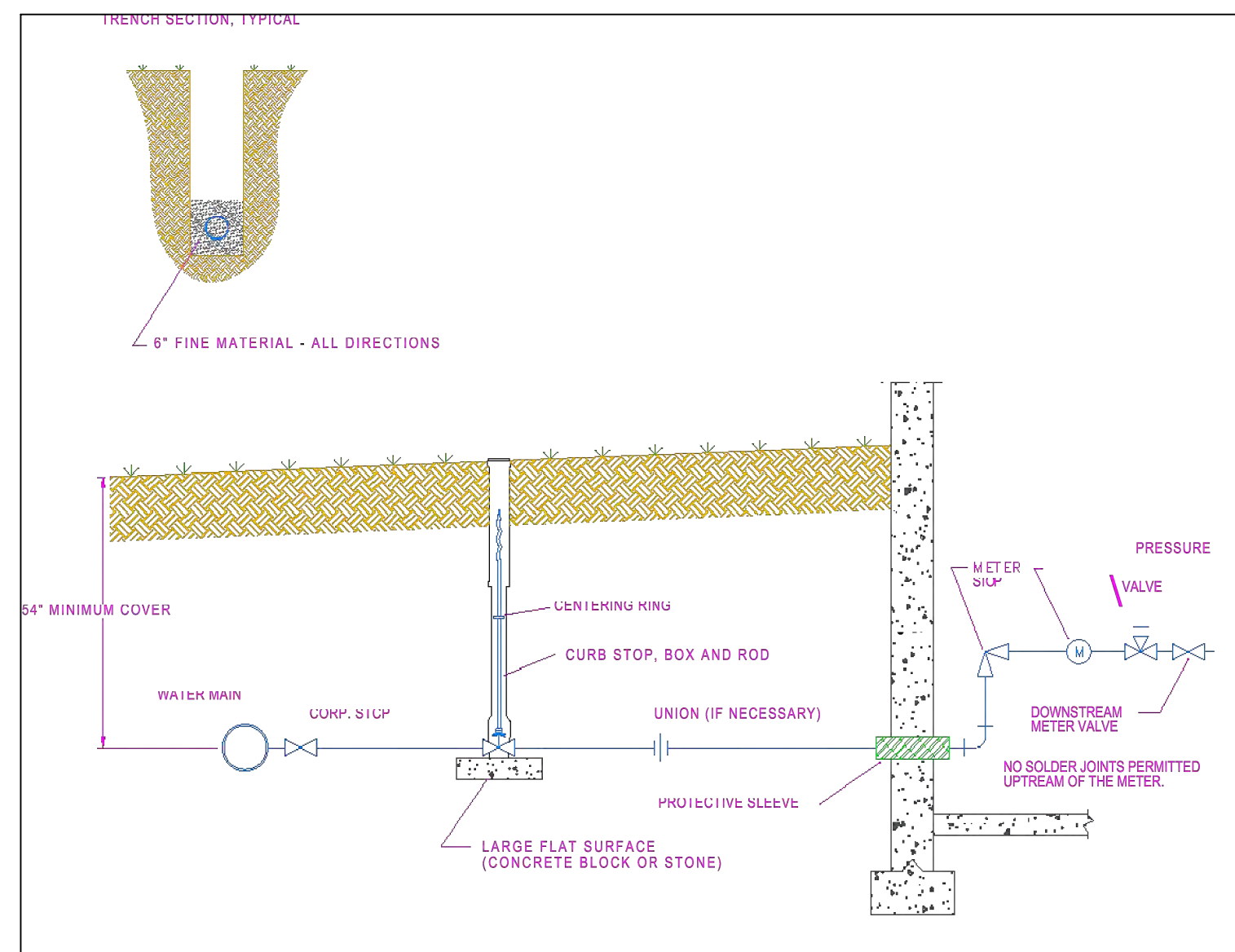
WATERMAIN / SEWER CROSSING DETAIL

N.T.S.



2'x2' CATCH BASIN DETAIL

N.T.S.



WATER CONNECTION DETAIL

N.T.S.

Manufactured by: Practical Best Management - 1-800-748-6945 www.crystalstream.com

CrystalStream Technologies

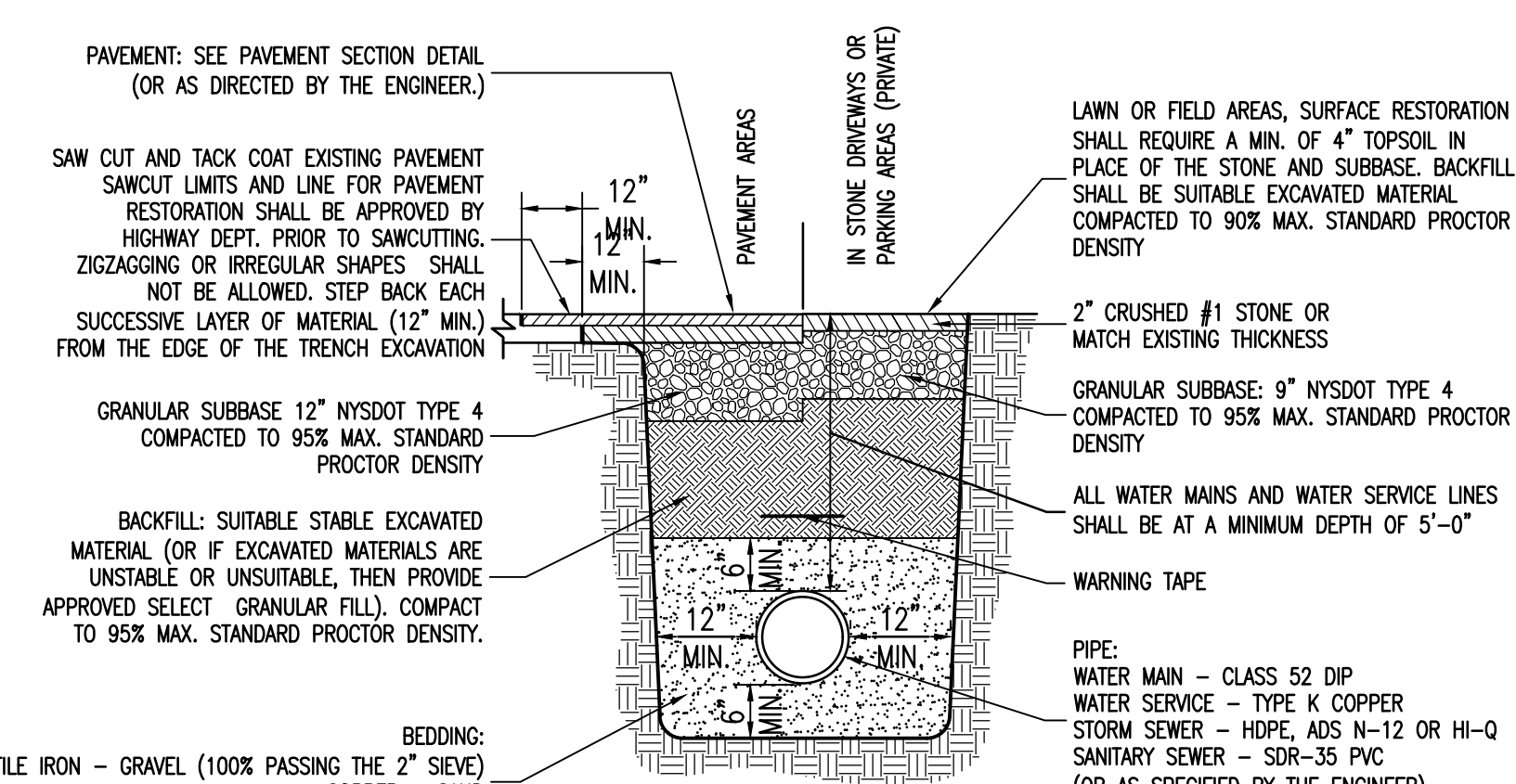
Presented by U.S. Patent No. 1: 6,797,181; 6,938,103; 6,951,407; 6,994,783; 7,011,743; 7,037,436; 10,024,043

LEGEND

1. EXPANDED ALUMINUM BASKET W/ 1/4" MESH LINING, 1'-0" H. x 1'-0" D. x 4'-0" W. w/ 11 3"-4" FROM SUMP
2. 1ST INTERNAL Baffle W/ 1" HOLES DRILLED AT 1'-0" O.C., 3'-3" H.
3. 2ND INTERNAL Baffle W/ 1" HOLES DRILLED AT 1'-0" O.C., 3'-3" H.
4. 3RD INTERNAL Baffle W/ 1" HOLES DRILLED AT 1'-0" O.C., 3'-3" H.
5. 3/4" COCONUT FIBER FILTER IN ALUMINUM FRAME 4'-0" LONG
6. 1/2" ALUMINUM PLATE, 9" H., 5'-0" WIDE

CRYSTALSTREAM "CRYSTALCLEAN" WATER QUALITY VAULT MODEL #1266

JURISDICTION: Lansing, NY



TYPICAL PIPE TRENCH DETAIL

N.T.S.

- NOTES:**
1. Excavate trench to a safe side slope or provide trench bracing per OSHA standards.
 2. Contractor shall keep all excavations free of water and provide a firm stable base for the pipe bedding.

Rev.	Date	Description
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
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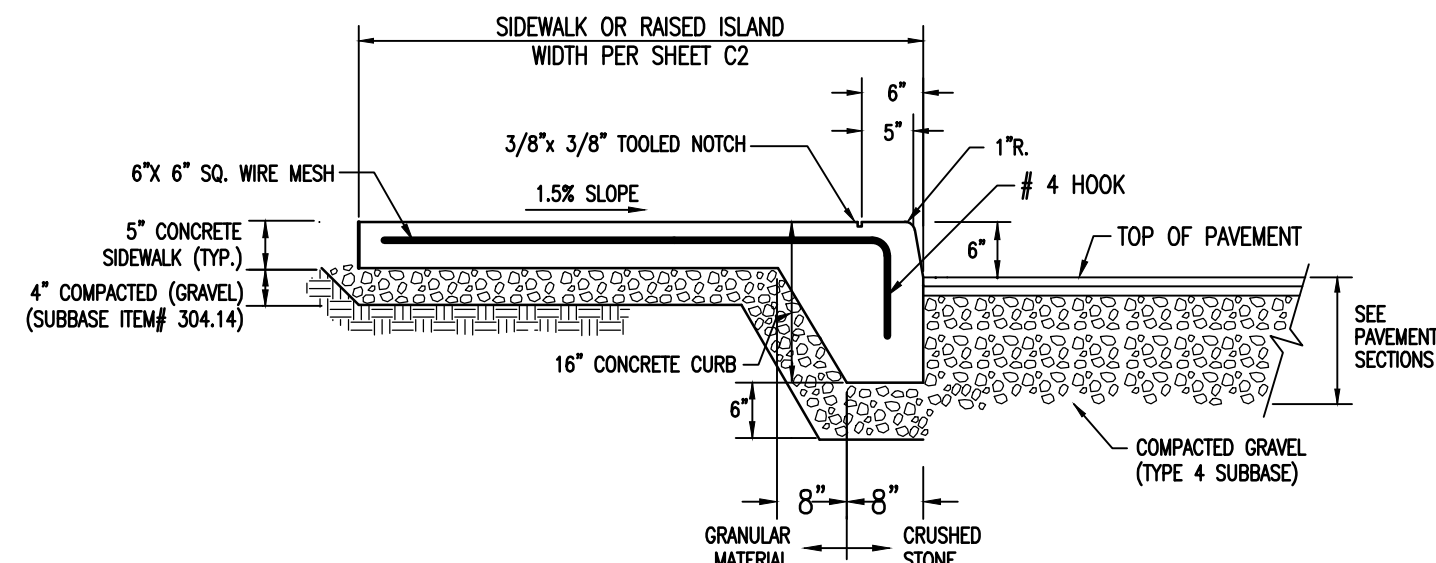
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Drawn By:	RSN
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Project No.:	2020.062
Drawing Name:	20062.dwg

CIVIL DETAILS

C9

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INTEGRAL CONCRETE SIDEWALK / CURB

N.T.S.

CONCRETE CURB/SIDEWALK NOTES

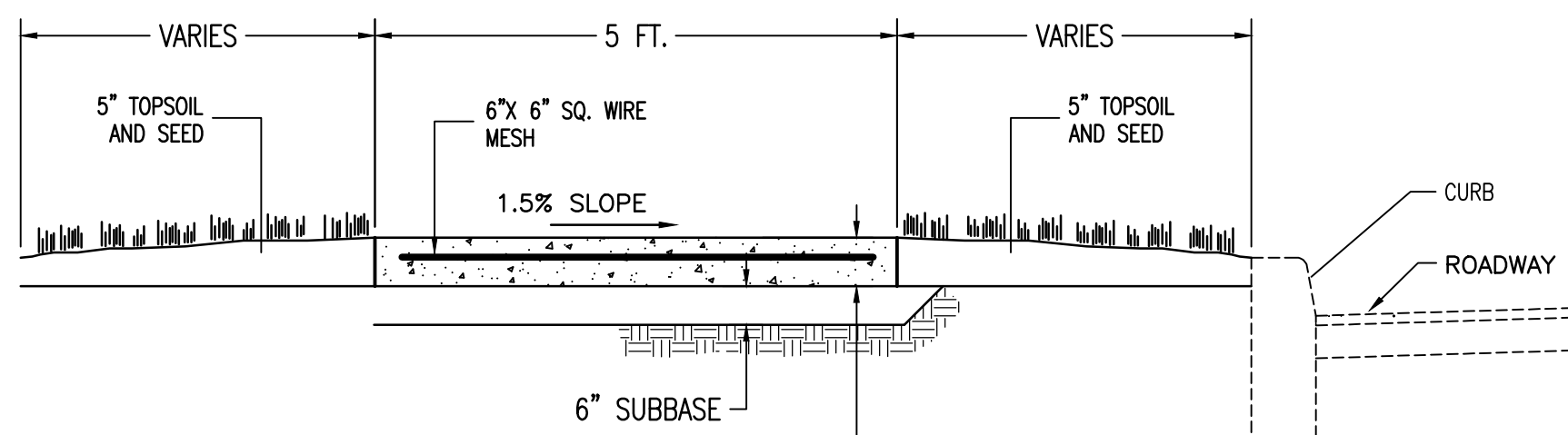
- PROVIDE 4000 PSI (28 DAY COMPRESSIVE STRENGTH) CONCRETE, UTILIZING TYPE II PORTLAND CEMENT.
- PROVIDE 5/8" WIDE ASPHALT IMPREGATED FIBER BOARD CONTROL JOINTS IN SIDEWALK CONSTRUCTION AS FOLLOWS:
 - ADJACENT TO ALL CONCRETE CURBING
 - ADJACENT TO ALL BUILDING FOUNDATIONS/ WALLS
 - APPROXIMATELY EVERY 24 FT. IN LONG SIDEWALK RUNS.
- SIDEWALK SHALL HAVE A LIGHT BROOM FINISH ACROSS THE WALK.
- EDGES AND JOINTS SHALL BE ROUNDED BY AND EDGING TOOL ACCEPTABLE TO OWNER.
- CONTRACTION JOINTS SHALL BE TOOLED TO FORM SQUARE BLOCKS.
- RAMP SLOPE SHALL BE NO GREATER THAN 1:12 .
- CONCRETE CURB / SIDEWALK SHALL BE COATED WITH A CURING COMPOUND AFTER FINISHES ARE COMPLETE.

SIDEWALK NOTES:

- SIDEWALKS/RAMPS PROPOSED REQUIRE ADA COMPLIANT INSPECTIONS, THE ENGINEER WILL PERFORM THE REQUIRED PRE-POUR CONCRETE FORM INSPECTION, SIGN/DATE AND SUBMIT TO NYSDOT THE INSPECTION REPORT.
- AFTER COMPLETION OF SIDEWALK SUBMIT TO NYSDOT PERMITS A COMPLETED, SIGNED AND SEALED CRITICAL ELEMENTS FOR THE DESIGN AND LAYOUT AND ACCEPTANCE OF PEDESTRIAN FACILITIES SHEETS CONFIRMING COMPLIANCE WITH ALL OTHER APPLICABLE CODES, STANDARDS, AND SPECIFICATIONS. IN INSTANCES WHERE NON-STANDARD FEATURES CANNOT BE AVOIDED A JUSTIFICATION FORM WILL NEED TO BE COMPLETED UNDER THE PROCESS PROMULGATED UNDER THE HIGHWAY DESIGN MANUAL CHAPTER 2 (REFER TO EXHIBIT 2-15A).

NYSDOT NOTES:

- NYSDOT HIGHWAY WORK PERMIT SHALL BE ISSUED AND PRESENT AT JOB LOCATION AT ALL TIMES WITH STAMPED NYSDOT APPROVED PLANS.
- SIGNS AND WORK ZONE TRAFFIC IS TO ADHERE TO FEDERAL MUTCD WITH STATE SUPPLEMENT.
- CONSTRUCTION HOLIDAY LANE CLOSURE RESTRICTIONS SHALL BE ADHERED TO.
- PERFORM UTILITY INSTALLATION WITHIN THE NYSDOT ROW IN ACCORDANCE WITH NYSDOT BLUE BOOK.
- ALL TREE PLANTINGS AND ADVERTISING SIGNS SHALL BE OFF NYSDOT ROW
- CONTACT THE CENTRAL NEW YORK NYSDOT RESIDENT ENGINEER SEVEN (7) DAYS BEFORE START OF WORK AT (315)-428-4640.
- ROAD TO BE KEPT CLEAN AT ALL TIMES AND FREE OF ALL CONSTRUCTION DEBRIS.
- ALL WORK ZONE SIGNS AND FLAGGERS SHALL BE OFF THE ROADWAY WHEN NOT IN USE.
- NYSDOT NON SEASONAL CONSTRUCTION IS NOT PERMITTED WITHIN THESE PLANS. ANOTHER REVIEW FROM NYSDOT IS REQUIRED WHEN ASKING FOR NON SEASONAL WORK.
- ANY PROPOSED CHANGES WITHIN THE NYSDOT ROW REQUIRES TWO (2) WEEKS NOTICE TO THE CENTRAL NEW YORK REGION NYSDOT PERMITS OFFICE AT (315) 428-4640.
- NOTIFY DIG SAFELY TWO (2) DAYS PRIOR TO WORK.
- ADHERE TO NYSDOT PERMIT CLOSURE PROCESS FOR INSPECTION, BOND RELEASE, AND CLOSURE OF PERMIT.

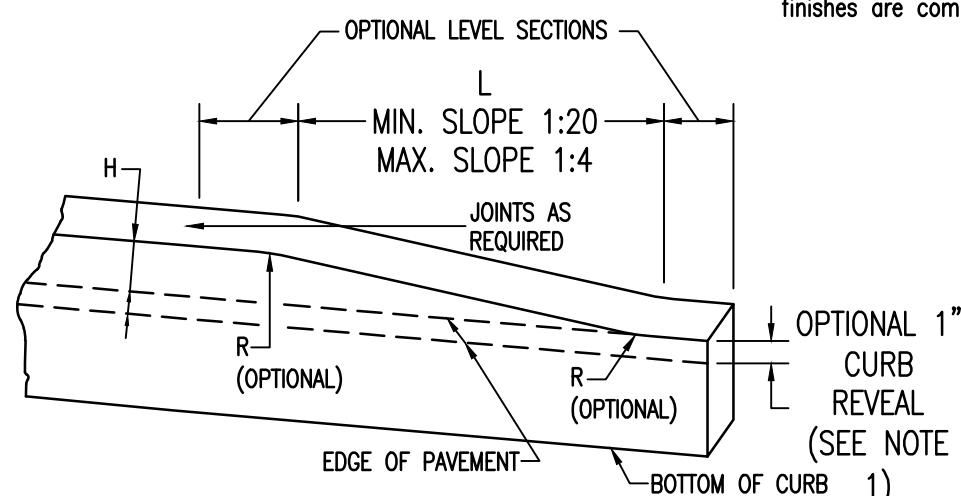


CONCRETE SIDEWALK SECTION

N.T.S.

CONCRETE SIDEWALK NOTES

- The Local Code Enforcement Officer shall be notified prior to repair of existing sidewalk or construction of new sidewalk within a public right-of-way.
- Appropriate barricades shall be required for the entire construction period.
- Provide 3500 psi (28 day compressive strength) concrete, utilizing Type II Portland cement and 6" x 6" sq. wire mesh reinforcement.
- Provide 5/8" wide asphalt impregnated fiber board expansion joints in sidewalk construction as follows:
 - Adjacent to all concrete curbing and gutters.
 - Adjacent to all building foundations or walls.
 - Abutting yard walks, driveways or existing sidewalks.
 - Approximately every 20 ft. in long sidewalk runs.
- Sidewalk shall have a light broom finish across the walk. Edges and joints shall be rounded by an edging tool.
- Side walk shall be coated with a curing compound after finishes are complete.



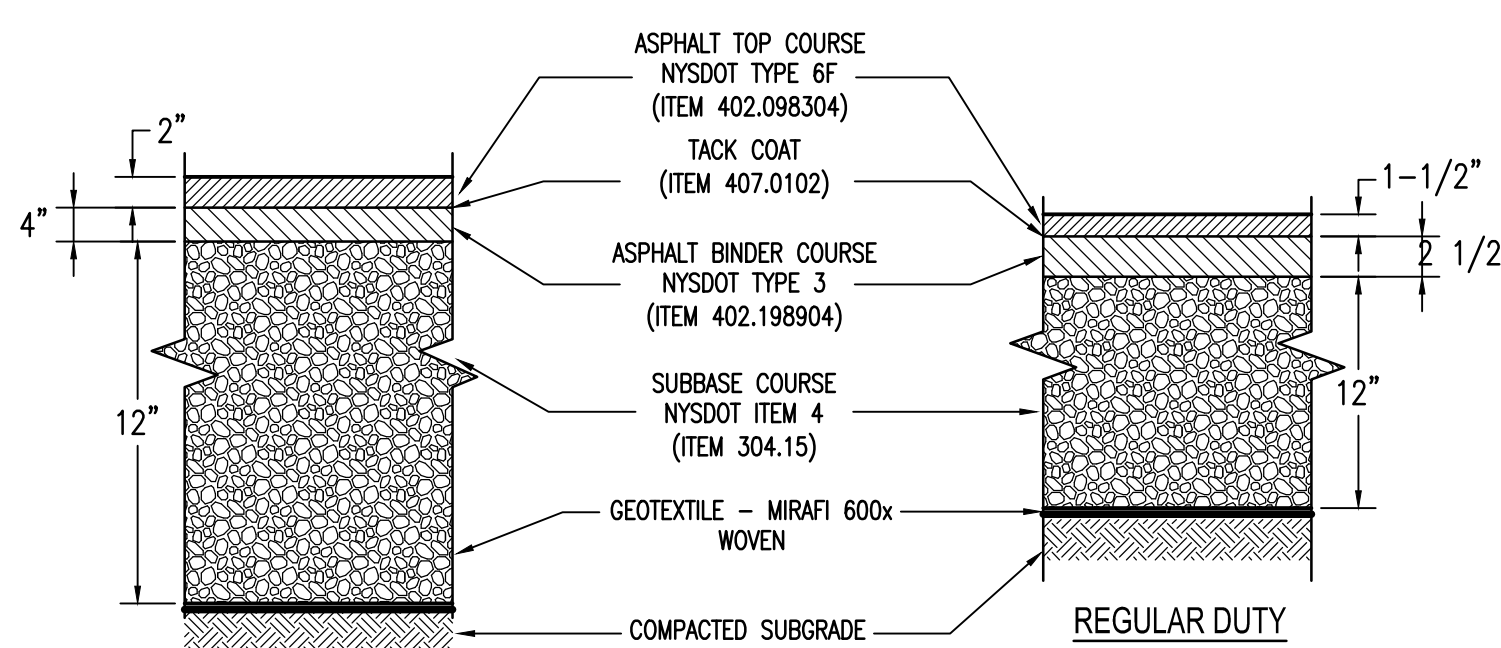
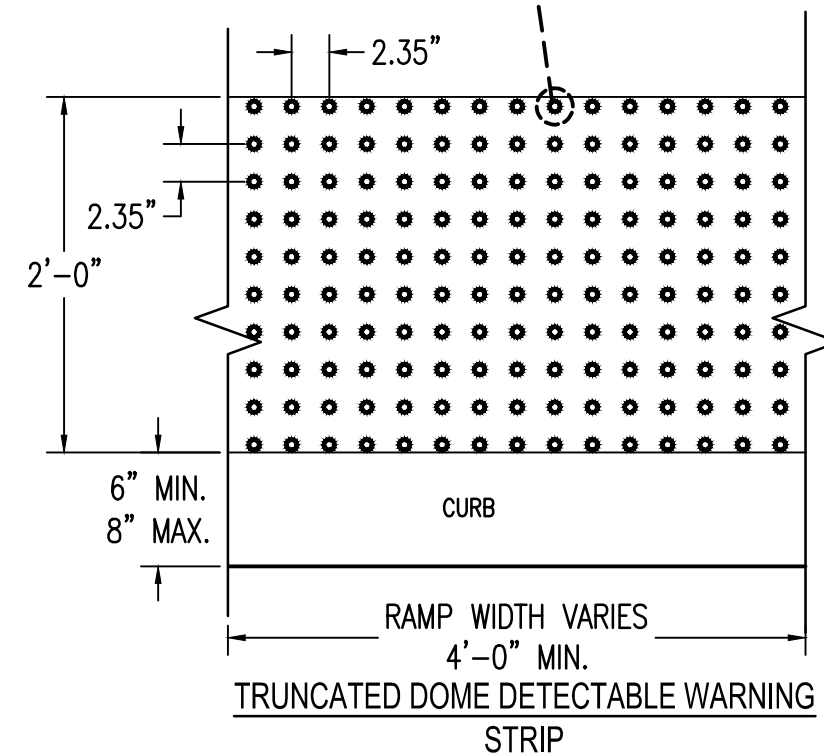
CURB TRANSITION LENGTHS (L)			
SLOPE	4"	16"	48"
1:4	16"	48"	80"
1:12	24"	72"	120"

CAST-IN-PLACE CONCRETE CURB TRANSITIONS

N.T.S.

NOTES:

- USE 1" REVEAL AND CONTINUE CURB ACROSS DRIVEWAY ENTRANCES ONLY IF SHOWN IN THE CONTRACT DOCUMENTS, OR DIRECTED BY THE ENGINEER AS A FIELD CONDITION.
- TERMINATE CURB, CURB AND GUTTER, AND ASPHALT CURB BY TRANSITIONING ON A MAXIMUM SLOPE OF 1:12 TO PAVEMENT SURFACE, EXCEPT WHEN BEHIND GUIDE RAIL.
- EXTEND JOINT FILLER 6" MINIMUM BEHIND CURB ON BOTH SIDES OF CURB BOX, 70-75" NOT NEEDED WHEN VERTICAL FACED CURB WIDTH EQUAL TO WIDTH OF CURB BOX.



NOTES:

- ALL PAVEMENT AND BASE MATERIAL SHALL CONFORM TO NEW YORK STATE DEPT. OF TRANSPORTATION "STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS".
- SUBGRADE AND SUBBASE SHALL BE COMPACTED TO 95% MAX. STANDARD PROCTOR DENSITY.
- IF SUBGRADE IS UNSUITABLE OR UNSTABLE, UNDERCUT AND REPLACE WITH APPROVED SELECT GRANULAR FILL COMPACTED TO 95% MAX. STANDARD PROCTOR DENSITY.

DRIVEWAY PAVEMENT SECTIONS

N.T.S.

DEFINITION OF TERMS:

DRIVEWAY - EVERY ENTRANCE OR EXIT USED BY VEHICULAR TRAFFIC TO AND FROM LANDS OR BUILDINGS ADJACENT TO A HIGHWAY.
RESIDENTIAL DRIVEWAY - A DRIVEWAY SERVING FOUR OR FEWER PRIVATE HOMES OR AN APARTMENT BUILDING FOR FOUR OR FEWER FAMILY UNITS.
COMMERCIAL DRIVEWAY - A DRIVEWAY SERVING A COMMERCIAL ESTABLISHMENT, INDUSTRY, GOVERNMENTAL OR EDUCATIONAL INSTITUTION, PRIVATE UTILITY, HOSPITAL, SCHOOL, APARTMENT BUILDING, OR OTHER COMPARABLE TRAFFIC GENERATOR.
MAJOR COMMERCIAL DRIVEWAY - ANY COMMERCIAL DRIVEWAY WHERE THE ACTUAL OR ANTICIPATED TRAFFIC VOLUME ON A TYPICAL DAY IS GREATER THAN THE VALUES ESTABLISHED IN THE HIGHWAY DESIGN MANUAL HOW CHARTER 4 APPENDIX 5A.
MINOR COMMERCIAL DRIVEWAY - ANY COMMERCIAL DRIVEWAY WHERE THE ACTUAL OR ANTICIPATED TRAFFIC VOLUME ON A TYPICAL DAY IS LESS THAN THE VALUES ESTABLISHED IN THE HIGHWAY DESIGN MANUAL HOW CHARTER 4 APPENDIX 5A.

URBAN - THE AREA CHARACTER BY NYSDOT HIGHWAY DESIGN MANUAL CHAPTER 2, SECTION 2.4.
DRIVEWAY OFFSET - THE DISTANCE IN FEET MEASURED FROM THE INSIDE EDGE OF THE OUTERMOST TRAVEL LANE OR TURNING LANE TO THE HIGHWAY EDGE OF PAVEMENT. THE DISTANCE IS EQUAL TO THE WIDTH OF THE OUTERMOST LANE AND THE WIDTH OF THE PAVED SHOULDER OR CURB OFFSET.
HIGHWAY EDGE OF PAVEMENT - THE OUTSIDE EDGE OF THE PAVED HIGHWAY SURFACE.
SHOULDER WIDTH - THE WIDTH IN FEET OF PAVED SHOULDER INCLUDING A PARKING LANE, BIKE LANE, CURB OFFSET, OR OTHER PAVED AREA OUTSIDE OF THE TRAVEL LANE.
MINIMUM PAVING LIMIT (MPL) - THE MINIMUM DISTANCE IN FEET MEASURED ALONG THE CENTERLINE OF A DRIVEWAY FROM THE OUTSIDE EDGE OF THE OUTERMOST TRAVEL LANE THAT A DRIVEWAY MUST BE PAVED INCLUDES THE SHOULDER WIDTH.
PAVEMENT LENGTH (PL) - THE DISTANCE IN FEET MEASURED ALONG THE CENTERLINE OF A DRIVEWAY FROM THE HIGHWAY EDGE OF PAVEMENT TO THE END OF PROPOSED DRIVEWAY PAVEMENT.

TRANSITION LENGTH (TL) - THE DISTANCE IN FEET MEASURED ALONG THE CENTERLINE OF A DRIVEWAY BEYOND THE DRIVEWAY PAVEMENT LENGTH (PL) TO THE END OF PROPOSED DRIVEWAY PAVEMENT. TRANSITION LENGTH (TL) IS TYPICALLY USED FOR GRADING, LAYOUT, OR TRANSITION REASONS. THE TRANSITION LENGTH (TL) ONLY APPLIES TO DRIVEWAYS THAT ARE WORKED.
BUFFER ZONE - A PHYSICAL DISTANCE SEPARATING THE PEDESTRIAN ACCESS ROUTE AND THE VEHICLE TRAVELER WAY. THE BUFFER ZONE BUFFERS PEDESTRIANS FROM TRAFFIC AND PROVIDES SPACE FOR PEDESTRIAN UTILITIES, PLANTS, AND OTHER STREET APPURTENANCES. THE BUFFER ZONE MAY BE PAVED OR UNPAVED.
SHARED-USE PATH (SHP) - A BICYCLE AND PEDESTRIAN FACILITY, TYPICALLY WITHIN THE RIGHT-OF-WAY, SEPARATED FROM MOTORIST VEHICULAR TRAFFIC BY A BUFFER ZONE OR BARRIER. REFER TO HIGHWAY DESIGN MANUAL CHAPTER 11 AND ASHOTO GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES FOR GUIDANCE ON BUFFER ZONE WIDTH AND SEPARATION OF SHARED USE PATHS FROM ROADWAYS.

SIDEWALK - A SMOOTH, STABLE AND SLIP RESISTANT EXTERIOR PATHWAY INTENDED FOR PEDESTRIAN USE ALONG A VELOCULAR WAY SEPARATED WITH A CURB OFFSET.
HMA - HOT MIX ASPHALT
PPC - PORTLAND CEMENT CONCRETE

DESIGN ELEMENT TOLERANCES		
ELEMENT	DESIGN AND FIELD LAYOUT LIMIT	LIMIT FOR WORK ACCEPTANCE
SIDEWALK CROSS SLOPE - SEE NOTE 12	1.5% MAX.	2.0% MAX.
SIDEWALK GRADE (ROUNDING SLOPE) - SEE NOTE 11	4.5% MAX.	5.0% MAX.
CURB RAMP GRADE (ROUNDING SLOPE) - SEE NOTE 21	7.5% MAX.	8.5% MAX.
BLENDED TRANSITION GRADE (ROUNDING SLOPE) - SEE NOTE 7	4.5% MAX.	5.0% MAX.

NOTES REFERENCED IN THE TABLE ABOVE CAN BE FOUND ON STANDARD SHEET 608-01 SHEET 1 OF 9.

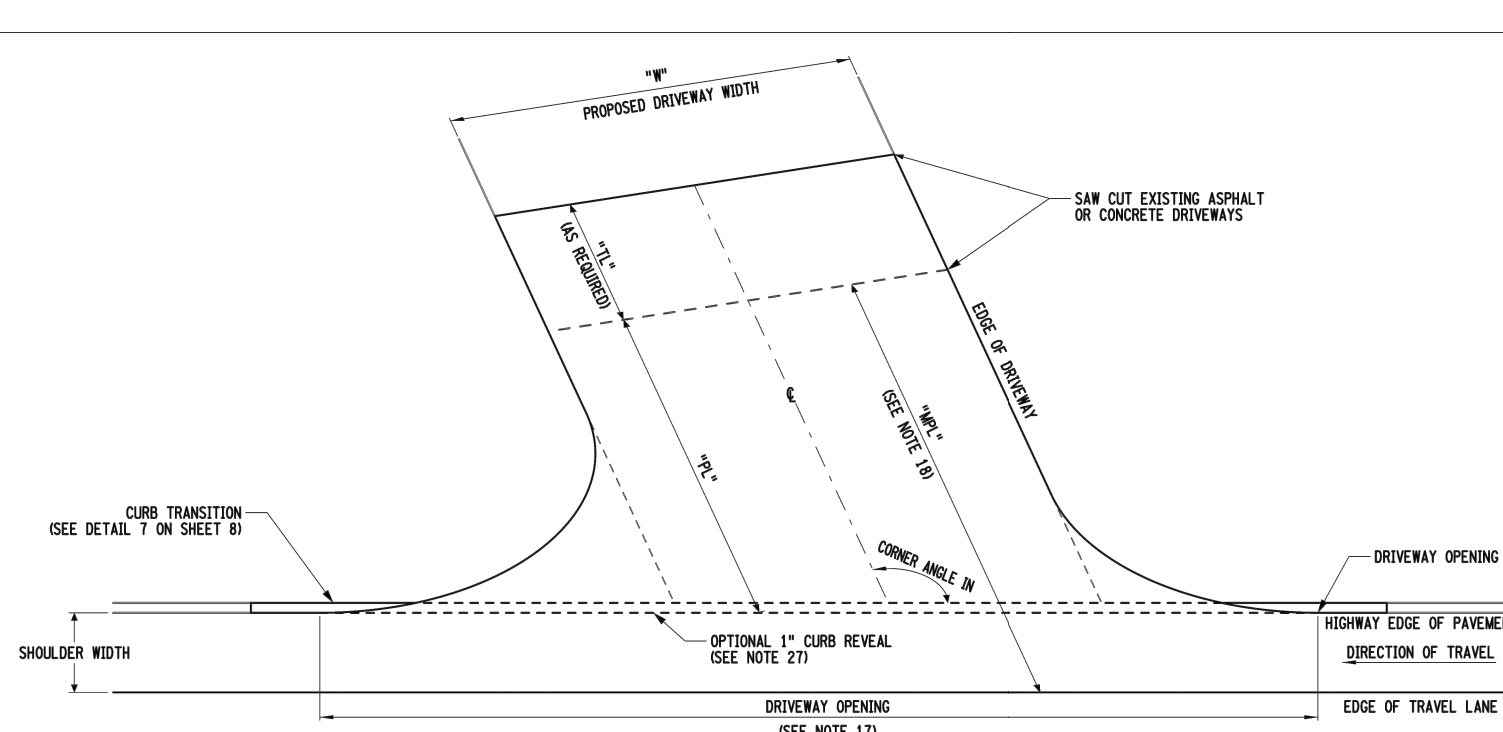
ALL VALUES SHOWN ON THE 608-03 STANDARD SHEETS REFER TO DESIGN AND FIELD LAYOUT LIMITS.
 FOR ADDITIONAL REQUIREMENTS AND TOLERANCES, SEE "CRITICAL ELEMENTS FOR THE DESIGN, LAYOUT, AND CONSTRUCTION OF PEDESTRIAN FACILITIES" AVAILABLE ON THE NYSDOT HIGHWAY DESIGN MANUAL CHAPTER 18 WEBSITE.

GENERAL NOTES FOR DRIVEWAY STANDARD SHEETS

- THE DRIVEWAY STANDARD SHEETS APPLY TO FIELD ENTRANCES, RESIDENTIAL DRIVEWAYS AND MINOR COMMERCIAL DRIVEWAYS. FIELD ENTRANCES AND RESIDENTIAL DRIVEWAYS ACCOMMODATE AN ASHOTO SINGLE LANE PASSENGER CAR DESIGN VEHICLE. MINOR COMMERCIAL DRIVEWAYS ACCOMMODATE AN ASHOTO SINGLE LANE TRUCK DESIGN VEHICLE.
- DRIVEWAY WORK PERFORMED OFF THE RIGHT-OF-WAY REQUIRES EASEMENT ON A DRIVEWAY RELEASE. A DRIVEWAY RELEASE WILL REQUIRE A TEMPORARY EASEMENT MAP.
- IF COMMERCIAL PROPERTY DEVELOPMENT PLANS INVOLVE NEW OR MODIFIED ACCESS TO A STATE HIGHWAY A COMMERCIAL DRIVEWAY WORK RELEASE APPLICATION FORM FROM 3-30-00 MUST BE FILLED OUT AND SUBMITTED TO THE REGIONAL PERMIT COORDINATOR.
- SEE THE DRIVEWAY TABLE IN THE CONTRACT PLANS FOR SPECIFIC DRIVEWAY LOCATIONS, WIDTHS ("PL"), CORNER ANGLES, LENGTHS ("PL"), MATERIALS, AND ENTRANCE TYPES.
- DETECTABLE WARNING SURFACES SHALL BE PROVIDED WHERE THE PEDESTRIAN ACCESS ROUTE CROSSES DRIVEWAYS WITH SIGNAL, YIELD OR STOP CONTROL. DETECTABLE WARNING SURFACES SHALL NOT BE PROVIDED AT CROSSINGS OF UNCONTROLLED DRIVEWAY APPROX.
- THE TAPER METHOD IS GENERALLY NOT RECOMMENDED FOR DRIVEWAYS WITH A DRIVEWAY OFFSET LESS THAN 10 FEET. UNLESS IT CAN BE FIELD VERIFIED THAT THE DRIVEWAY ENTRANCE WIDTH WILL ACCOMMODATE THE VEHICLES THAT USE THE DRIVEWAY ON A REGULAR BASIS.
- TYPE 1 AND TYPE 4 DRIVEWAY ENTRANCES CAN BE USED WITHOUT CURB IF A TAPER STYLE ENTRANCE BETTER MATCHES THE HIGHWAY CORRIDOR AESTHETICS OR SPECIFIC SITE CONDITIONS THAN A RADIUS STYLE ENTRANCE.
- UP TO 10" OF HMA MAY BE REQUIRED FOR HEAVY TRUCKS PER CONTRACT DOCUMENTS.
- UP TO 9" OF PPC MAY BE REQUIRED FOR HEAVY TRUCKS PER CONTRACT DOCUMENTS.
- UP TO 12" OF SUBBASE MAY BE REQUIRED FOR HEAVY TRUCKS PER CONTRACT DOCUMENTS.
- THE DETAILS SHOW THE PAVEMENT LENGTH (PL) EXTENDING TO THE MINIMUM PAVING LIMIT (MPL). HOWEVER, THE "PL" CAN EXTEND BEYOND THE "MPL" AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- A DRIVEWAY TOP-UP SECTION SHOULD EXTEND TO A LOGICAL TERMINI (EXAMPLE: SIDEWALK EDGE, WHERE THE DRIVEWAY GRADE MATCHES EXISTING GROUND OR LAYOUT POINTS). FOR REFERENCE, A REASONABLE LENGTH FOR TAPERING THE TOP-UP SECTION BACK TO THE EDGE OF DRIVEWAY IS 3 TO 4 TIMES THE LENGTH OF CURB DROP.
- THE TOP-UP SECTION IS NOT PART OF THE DRIVEWAY OPENING WIDTH REFER TO NYSDOT STANDARD SHEET 608-03 "DETECTABLE CURB DETAILS" FOR THE CURB TRANSITION.
- TO DETERMINE THE LIMITS OF SHOULDER RECONSTRUCTION, REFER TO THE DRIVEWAY OPENING TABLES ON SHEET 4 FOR A SHOULDER OFFSET.
- FOR PPC SHOULDER, SEE STANDARD SHEET 500-02 FOR LONGITUDINAL JOINT THE DETAILS.
- UNDERGIRTS AND ANGLES MAY BE INTERPOLATED FOR VALUES OTHER THAN THOSE SHOWN IN THE TABLES.
- THE SHOULDER PAVEMENT THICKNESSES SHOWN ARE DEFAULT VALUES UNLESS OTHERWISE SHOWN IN THE PLANS. MATERIALS SHALL BE AS SPECIFIED IN THE CONTRACT DOCUMENTS.

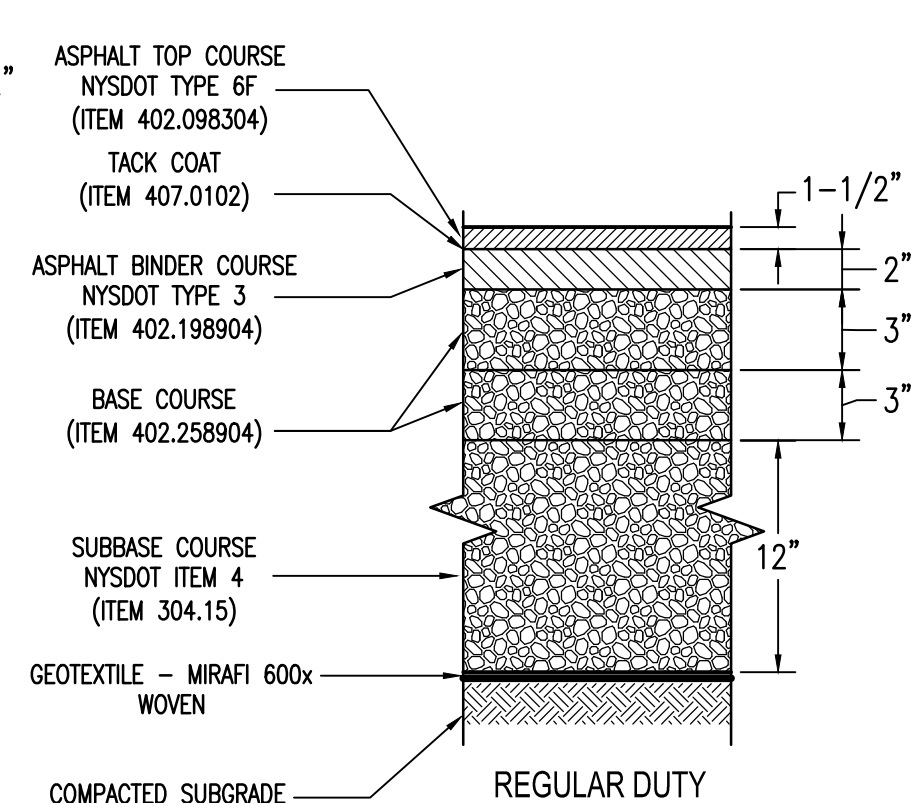
WIDTH / LENGTHS

- WHERE THERE ARE CONSTRAINTS THAT PREVENT THE CONSTRUCTION OF THE DRIVEWAY OPENING USING EITHER OF THE LAYOUT METHODS, THE ENGINEER MAY SPECIFY A SMALL CORNER CURB RADIUS OF 2" OR A 1/2" BALL NOSE CURB ALONG LOW SPEED HIGHWAYS, PROVIDED THE DRIVEWAY OPENING MEETS THE REQUIREMENTS OF THE "DRIVEWAY OPENING" TABLES ON SHEET 4.
- FOR RESIDENTIAL DRIVEWAYS, THE MINIMUM PAVING LIMIT SHALL BE 10' FROM THE OUTSIDE EDGE OF TRAVEL LANE OR 2' BEHIND ANY SIDEWALK, IF PRESENT. HOWEVER IS GREATER FOR MINOR COMMERCIAL DRIVEWAYS. THE MINIMUM PAVING LIMIT SHALL BE 30' FROM THE OUTSIDE EDGE OF TRAVEL LANE, OR BEHIND ANY SIDEWALK, IF PRESENT, OR EXTEND TO THE RIGHT-OF-WAY LINE, WHICHEVER IS GREATER. THE PAVING LIMIT MAY EXTEND BEYOND THE MINIMUM PAVING LIMIT FOR NEW DRIVEWAYS AND TO TRANSITION TO EXISTING PAVED DRIVEWAYS. THE PAVING LIMIT WILL BE NOTED IN THE DRIVEWAY TABLE OF THE CONTRACT PLANS.
- FOR GRADING AND CONSTRUCTION REQUIREMENTS OF TRANSITION FROM EXISTING HMA TO EXISTING HMA DRIVEWAYS, REFER TO DETAIL 9 -- "FIT-IN TO EXISTING DRIVEWAYS" ON SHEET 9, AND TABLE 3 -- "DRIVEWAY MATERIALS AND THICKNESS" ON SHEET 2.
- FOR PPC DRIVEWAYS, REFER TO THE 500 SERIES STANDARD SHEETS FOR METAL REINFORCEMENT, JOINT TIES, SANDING AND SEALING, ETC.
- A 5' MINIMUM BUFFER ZONE SHALL BE USED UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.



TYPE 1 DRIVEWAY ENTRANCE

NOTE: SEE RADIUS METHOD OF LAYOUT ON SHEET 3



SHOULDER REPAIR PAVEMENT SECTIONS

N.T.S.

SITE CONDITIONS SIDEWALK / CURB:

- ANY PPC SIDEWALK WIDTH CROSSES A DRIVEWAY SHALL HAVE A MINIMUM THICKNESS OF 6" AND INCLUDE STEEL MESH REINFORCEMENT WITH 3" OF TOP COVER.
- FOR GRADE CHANGES REFER TO THE DRIVEWAY PROFILES ON SHEET 8. VERTICAL CURVES ARE RECOMMENDED TO CONNECT TANGENTS. SEE TABLE 5 -- "MINIMUM LENGTH OF VERTICAL CURVE" ON SHEET 2 FOR TYPICAL VERTICAL CURVE LENGTHS ("L").
- WHERE THE EXISTING GRADE OF THE DRIVEWAY PROFILE IS LESS THAN OR EQUAL TO 2%, MATCH THE CROSS SLOPE OF THE SIDEWALK TO THE EXISTING DRIVEWAY PROFILE GRADE.
- WHERE THE EXISTING GRADE OF THE DRIVEWAY PROFILE EXCEEDS 2% SLOPE THE DRIVEWAY AND RECONSTRUCT A MINIMUM OF 2' ON BOTH SIDES OF THE SIDEWALK TO TRANSITION FROM THE EXISTING GRADE OF THE DRIVEWAY PROFILE TO THE SIDEWALK CROSS SLOPE.
- TO PREVENT DRIVEWAY GRADES FROM EXCEEDING THE VALUES IN TABLE 2 -- "MAXIMUM DRIVEWAY SLOPE" ON SHEET 2, IT MAY BE NECESSARY TO REDRESS THE SIDEWALK ACROSS THE DRIVEWAY. SIDEWALK RAMP SHALL HAVE THE LEAST BOUNDING SLOPE POSSIBLE, WITH A MAXIMUM DESIGN AND LAYOUT SLOPE OF 1:50. THE BOUNDING SLOPE FOR WORK ACCEPTANCE SHALL BE A MAXIMUM OF 1:50. WHERE EXISTING CONDITIONS DO NOT ALLOW THE CONSTRUCTION OF A SIDEWALK RAMP AT 1:50 OR LESS BOUNDING SLOPE, THE RAMP LENGTH SHALL NOT BE REQUIRED TO EXCEED 15'-0" FOR WORK ACCEPTANCE.
- WHERE DRAINAGE IS CARRIED ALONG THE CURB, CONSTRUCT THE DRIVEWAY WITH A SHORT UPRAISE TO PREVENT RUNOFF FROM MINORIAL. CURB ENTRANCE SLANT DRIVEWAY OR RUNNING DOWN THE DRIVEWAY DOWNHILL DRIVEWAY SLOPE. IF CONDITIONS MAKE THE ADDITION OF A SHORT UPRAISE IMPRACTICAL, USE 1" CURB RAMP AND CONTINUE CURB ACROSS THE DRIVEWAY OPENING. TYPICALLY, CURB REVEAL WILL NOT BE CONSTRUCTED IN RURAL AREAS. IF CURB REVEAL IS SPECIFIED FOR A SPECIFIC DRIVEWAY, IT WILL BE NOTED IN THE DRIVEWAY TABLE OF THE CONTRACT PLANS IN THE COMMENTS COLUMN.

ENTRANCE TYPES

- THE ENGINEER MAY INTERCHANGE TYPE 1, TYPE 3 AND TYPE 4 DRIVEWAY ENTRANCES TO BETTER MATCH THE EXISTING ENTRANCE TYPES ALONG THE HIGHWAY CORRIDOR WHILE CONSIDERING AVAILABLE SPACE, CONSTRUCTABILITY, SAFETY, AND FUNCTIONALITY. THE DRIVEWAY TYPE SHALL COMPLY WITH TABLE 4 -- "DRIVEWAY ENTRANCE TYPE SELECTION" ON SHEET 2.
- FOR DRIVEWAYS WITH VARYING WIDTHS AND/OR CURVED ALIGNMENTS, DETERMINE THE DRIVEWAY WIDTH AND CORNER ANGLE 20'-0" FROM THE EDGE OF TRAVEL LANE.
- FOR A ONE-WAY DRIVEWAY ENTRANCE OR EXIT, THE DRIVEWAY ENTRANCE WIDENING IS ONLY NECESSARY ON THE SIDE OF THE DRIVEWAY TO ACCOMMODATE THE SHARPER TURNING MOVEMENT. ONE-WAY DRIVEWAYS WILL BE IDENTIFIED ON THE DRIVEWAY TABLE OF THE CONTRACT PLANS UNDER COMMENTS. FOR CURBED HIGHWAYS, A SMALL CORNER CURB RADIUS OF 2" OR 1/2" BALLNOSE CURB ALONG LOW SPEED HIGHWAYS SHALL BE CONSTRUCTED TO ELIMINATE A SHARP CORNER BEND IN THE CURB LINE WHICH IS SAFER FOR SNOWPLOW OPERATIONS.

MATERIALS

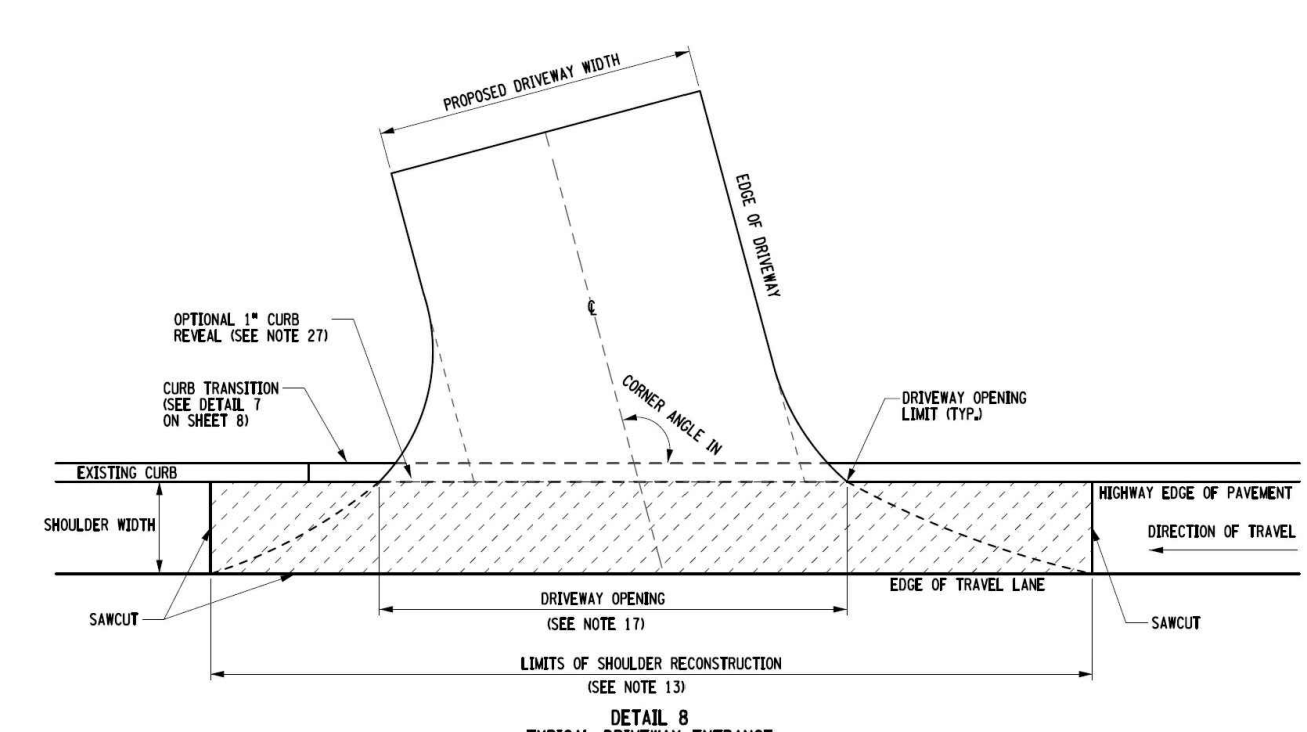
- FOR DRIVEWAY MATERIALS, REFER TO TABLE 3 -- "DRIVEWAY MATERIALS AND THICKNESS" ON SHEET 2.
- FOR FIELD ENTANCES, THE MATERIAL WITHIN THE PAVEMENT LENGTH (PL) CAN CONSIST OF GRAVEL OR STONE AND BE CONNECTED TO THE EDGE OF THE HIGHWAY SHOULDER WITHOUT REQUIRING ART OF THE EXISTING SHOULDER MATERIAL.

NEW YORK STATE OF OPPORTUNITY Department of Transportation

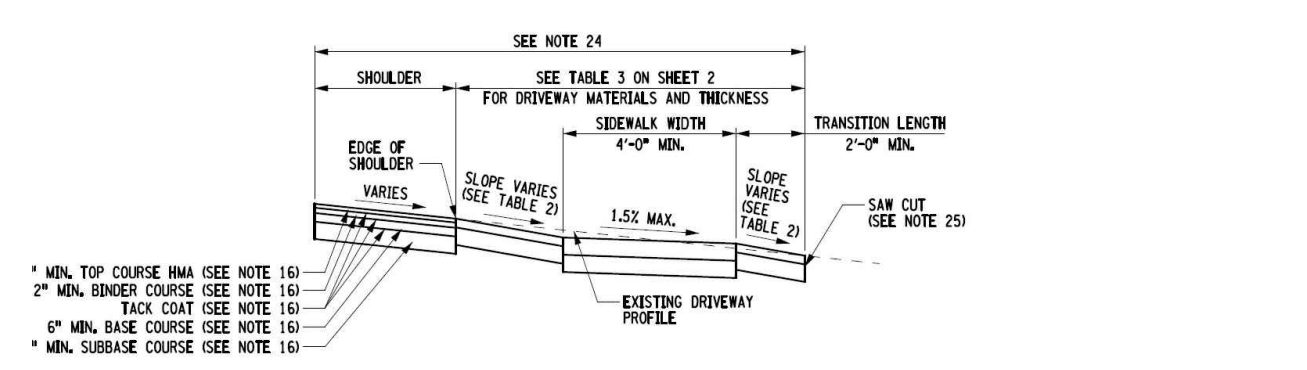
U.S. CUSTOMARY STANDARD SHEET

RESIDENTIAL AND MINOR COMMERCIAL DRIVEWAYS (SHEET 1 OF 9)

APPROVED MARCH 07, 2016 ISSUED UNDER EB 16-012
 /s/ RICHARD W. LEE, P.E. DEPUTY CHIEF ENGINEER (DESIGN) 608-03



DETAIL 8 TYPICAL DRIVEWAY ENTRANCE LIMITS OF SHOULDER RECONSTRUCTION



NOTES:

ALL GENERAL NOTES AND ABBREVIATIONS REFERENCED ON THIS SHEET CAN BE FOUND ON STANDARD SHEET 608-03, SHEET 1 OF 9.

NEW YORK STATE OF OPPORTUNITY Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

RESIDENTIAL AND MINOR COMMERCIAL DRIVEWAYS (SHEET 9 OF 9)

APPROVED MARCH 07, 2016 ISSUED UNDER EB 16-012
 /s/ RICHARD W. LEE, P.E. DEPUTY CHIEF ENGINEER (DESIGN) 608-03

Rev.	Date	Description
1	07/29/21	Added Southern Cancelline
2	03/21/22	Preliminary Site Plan Submission
3	05/03/22	Per NYSDOT Comments
4	05/23/22	Revised Landscaping Plan
5	06/16/22	Per NYSDOT Comments
6	10/26/22	Per Town Comments

It is a Violation of the New York Education Law, Article 145 Section 7209. For Any Person, Unless He is Acting Under the Direction Of A Licensed Professional Engineer Or Land Surveyor To Alter An Item in Any Way, If An Item Bearing The Seal Of An Engineer Or Land Surveyor is Altered, The Altering Engineer Or Land Surveyor Shall Affix To The Item His Seal And The Notation "Altered By Followed by His Signature And the Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
 LANSING CT., TOMPKINS CO., NEW YORK

FAGAN ENGINEERS & LAND SURVEYORS PC

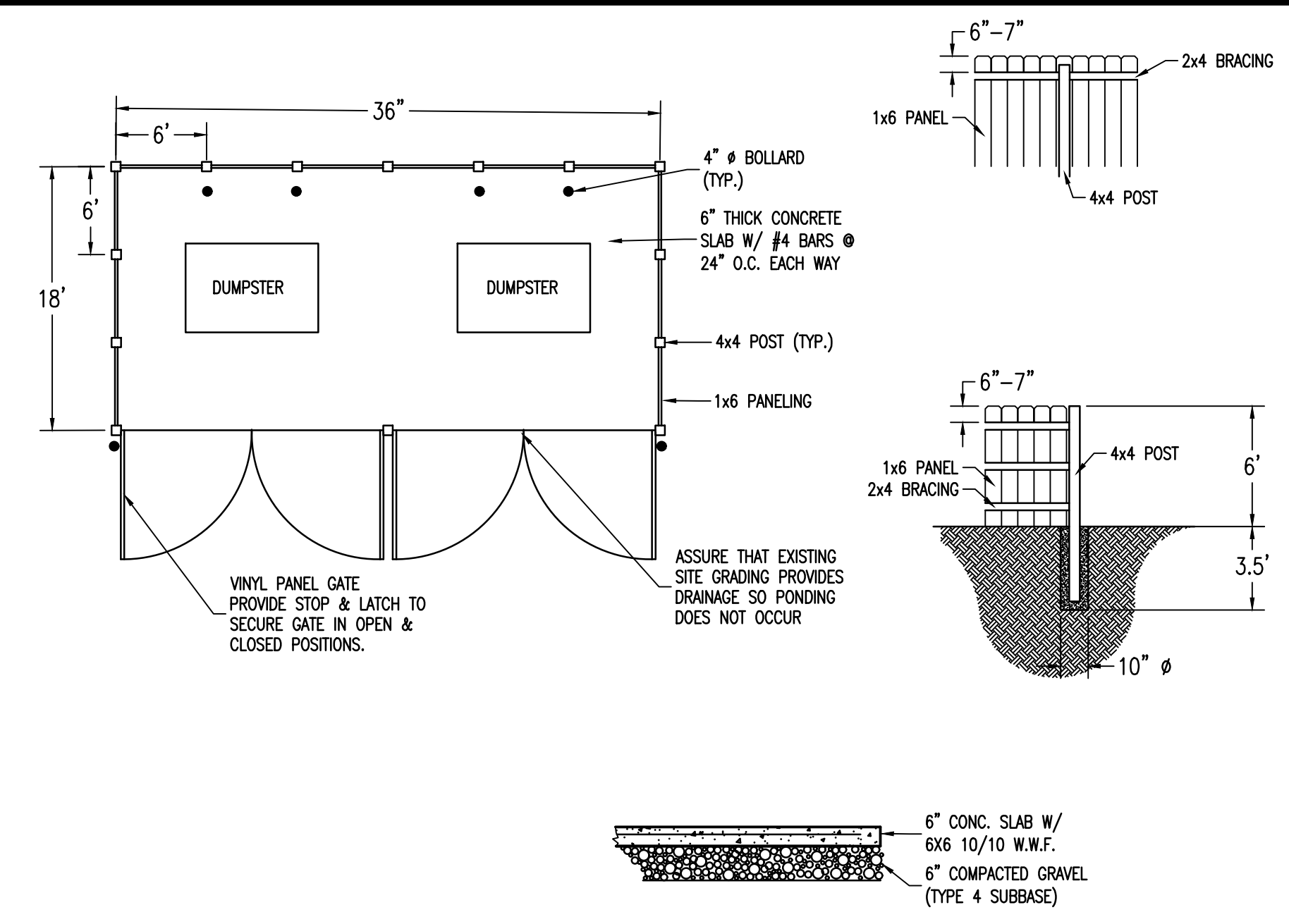
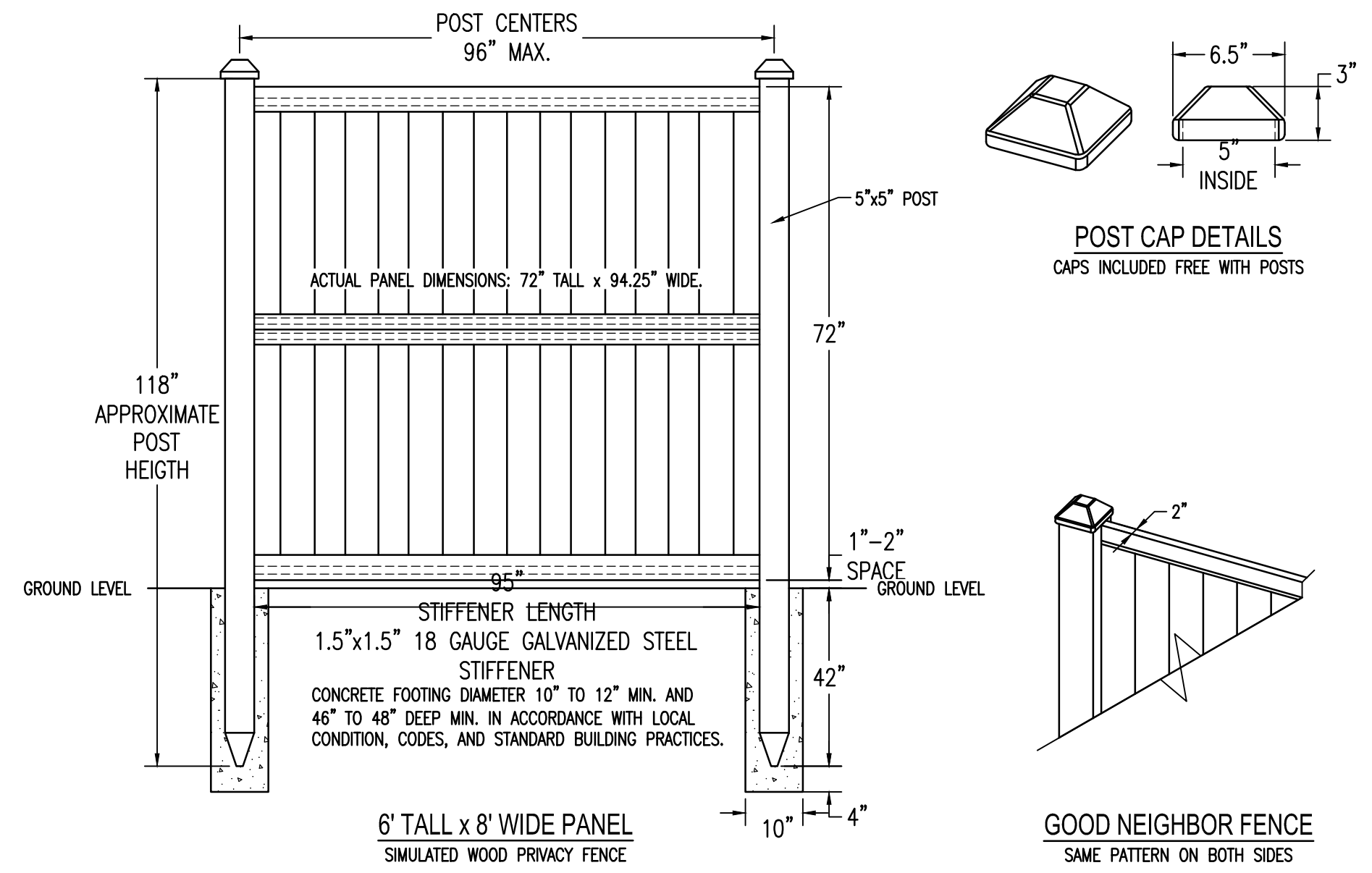
113 East Chemung Place
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Scale: As Noted
 11x17 Prints are 1/2 Size
 Date: November 30, 2020
 Design By: JBG, RSN
 Drawn By: RSN
 Checked By: JBG
 Project No.: 2020.062
 Drawing Name: 20062.dwg

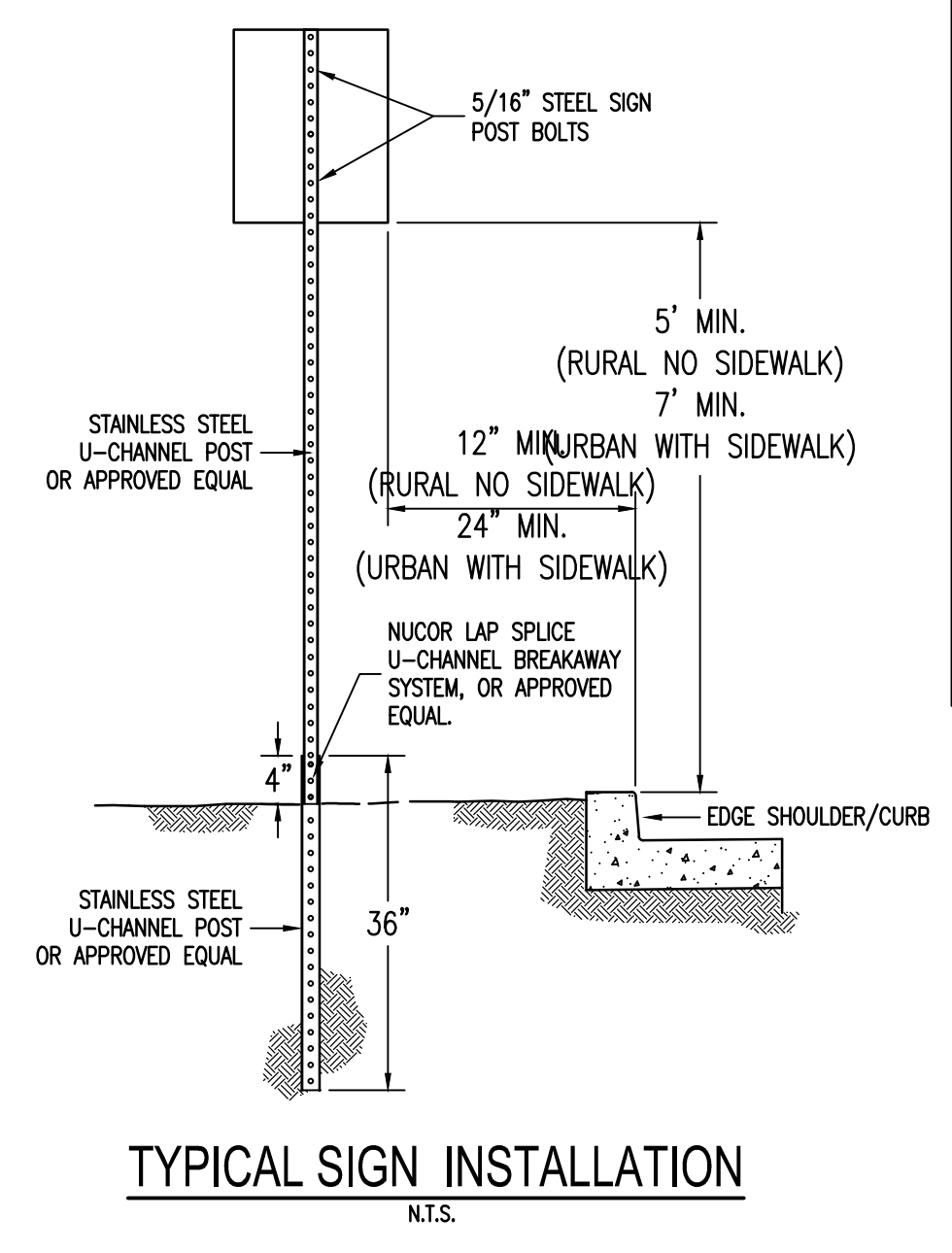
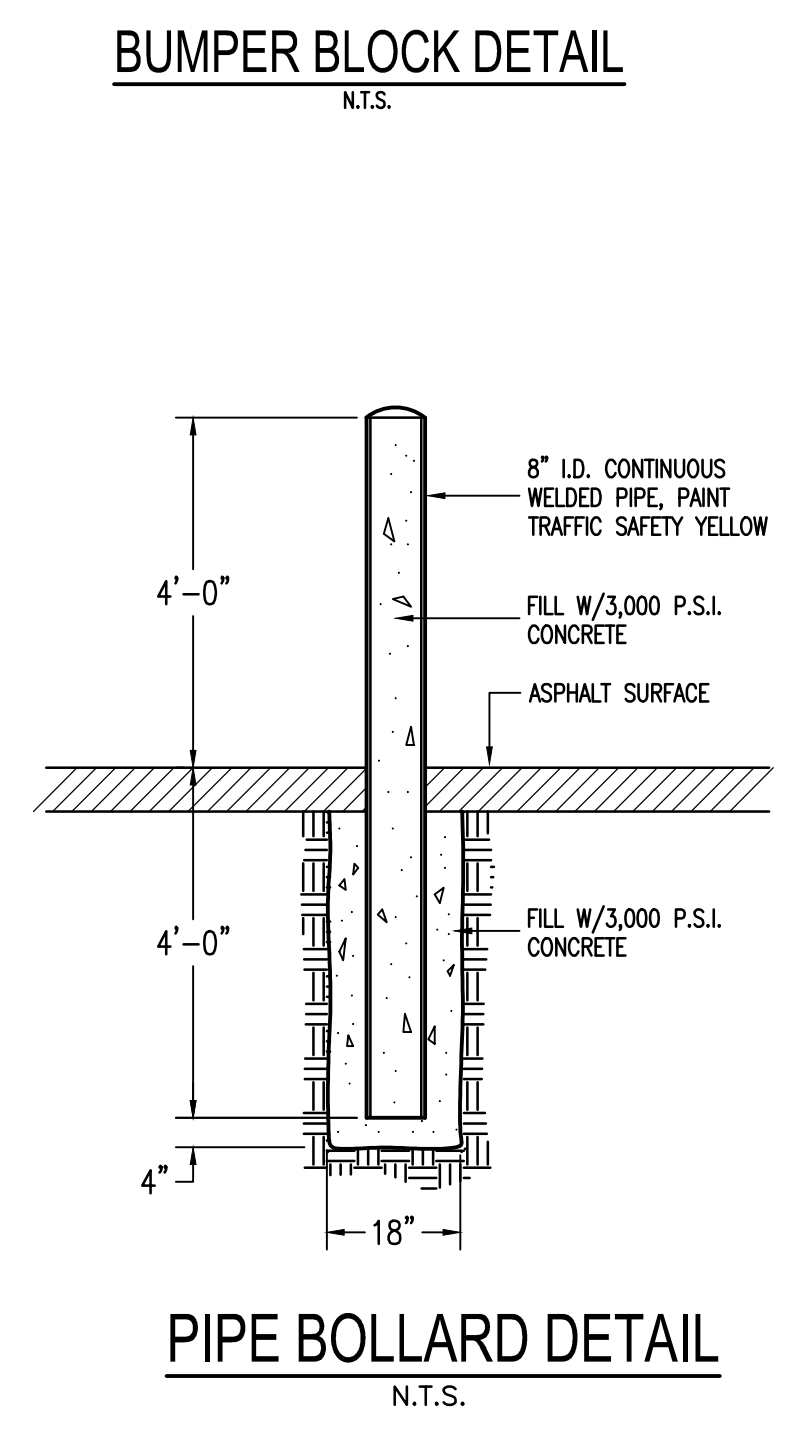
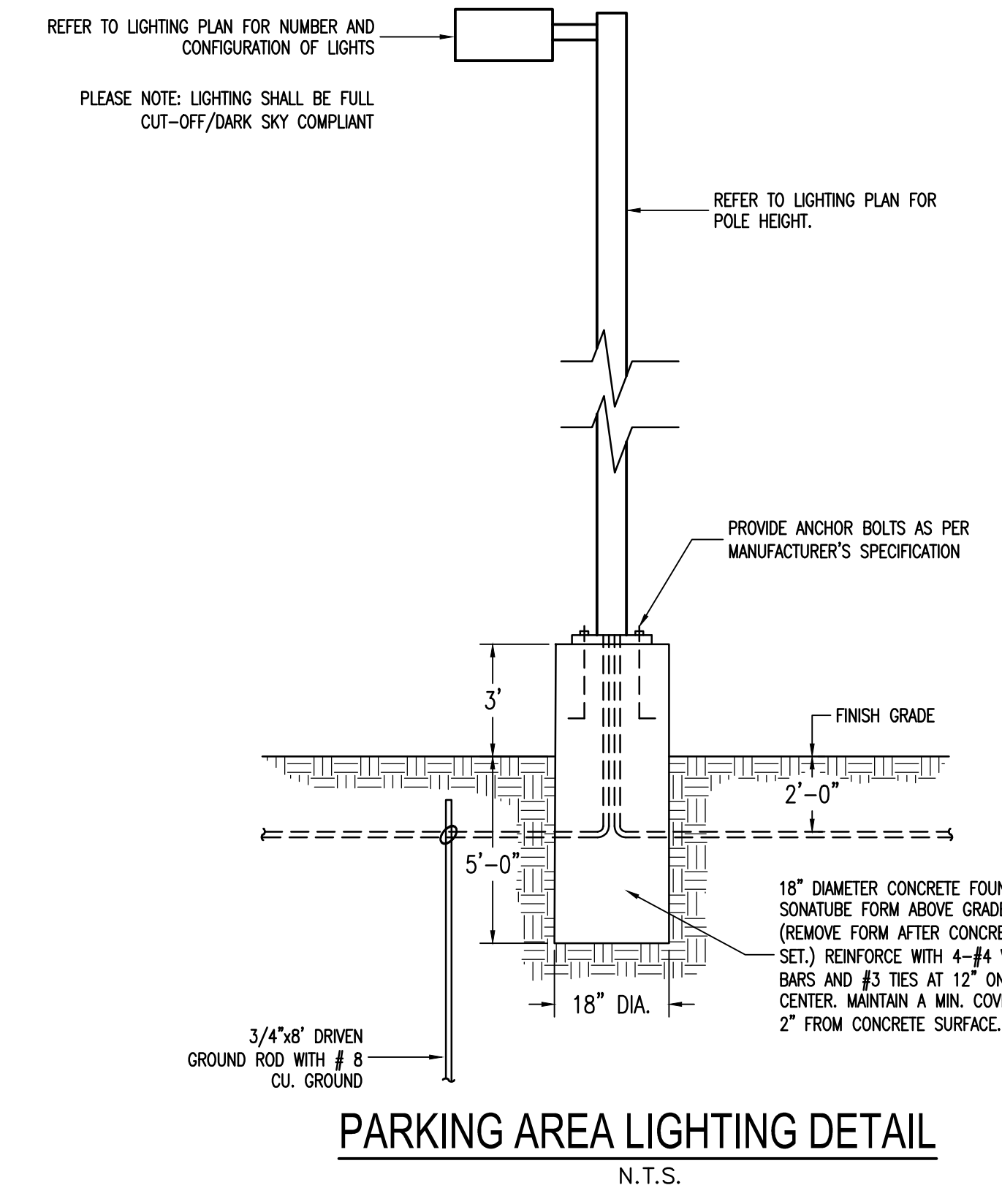
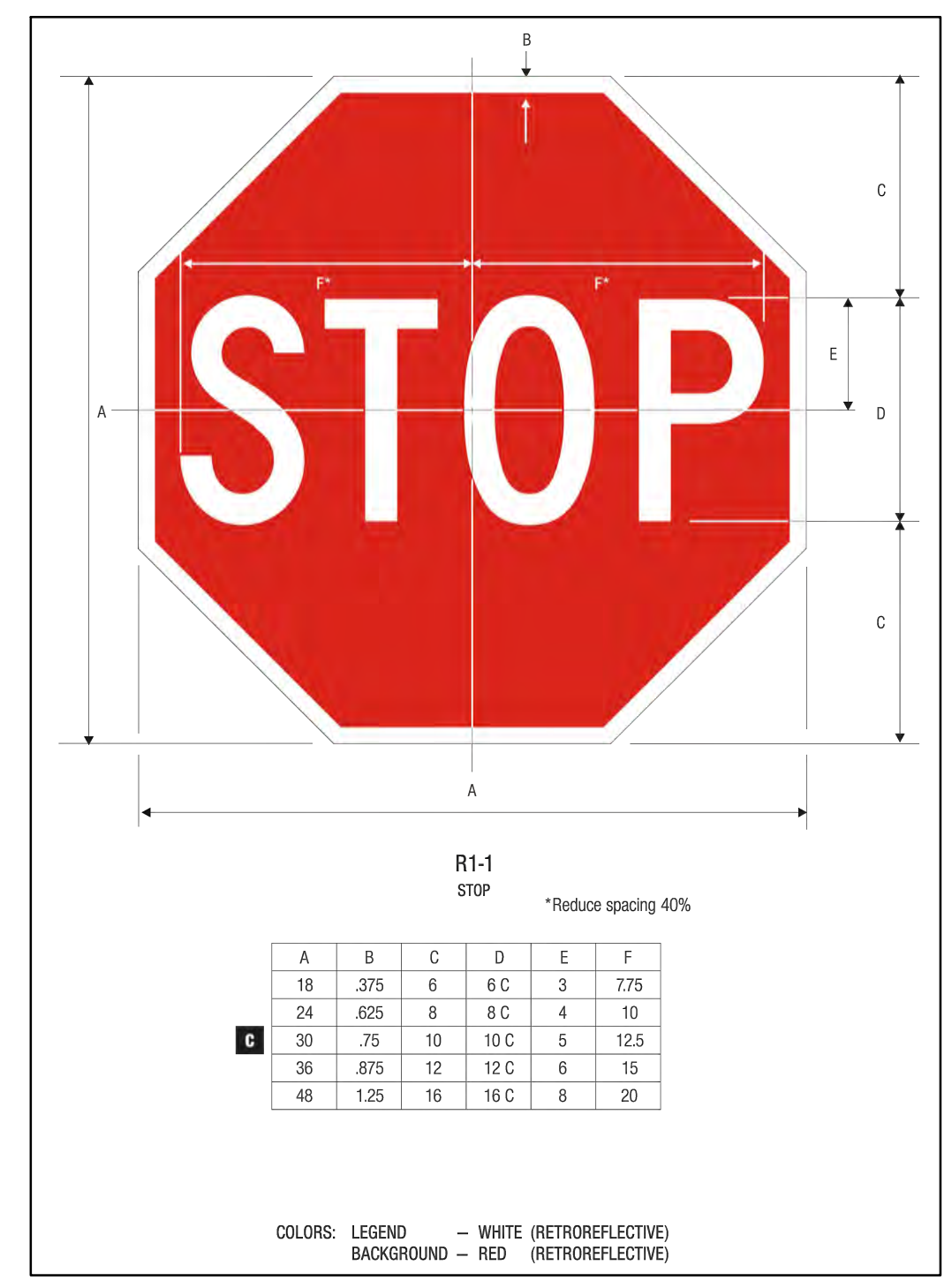
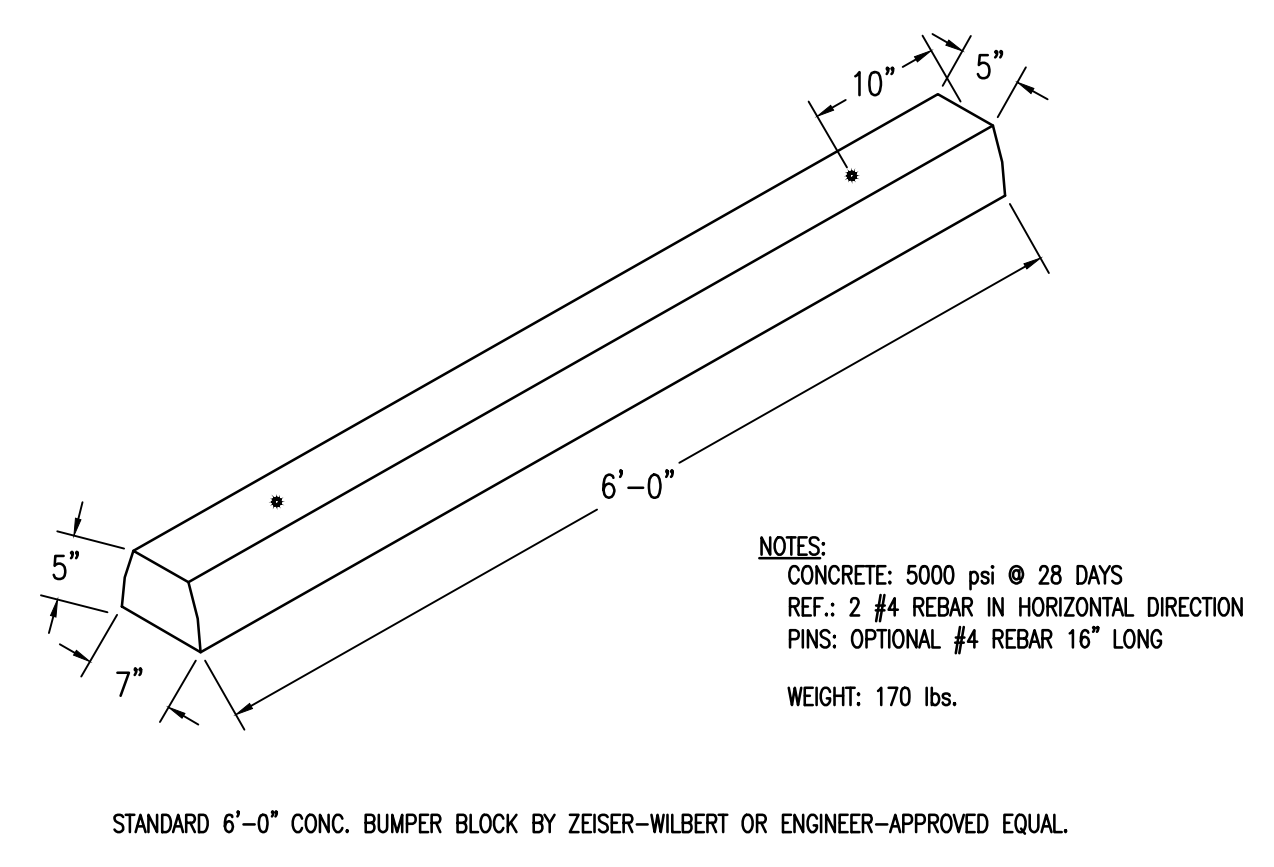
CIVIL DETAILS

C10

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- NOTES**
- WOOD TO BE TREATED PINE. USE GALVANIZED NAILS FOR FASTENING.
 - NUMBER OF BOARDS WILL VARY DEPENDING ON SPACE BETWEEN BOARDS AND ACTUAL WIDTH OF BOARDS.
 - COLOR TO BE DETERMINED BY OWNER.



Rev.	Date	Revision Description
6	10/26/22	Per Town Comments
5	06/16/22	Per NYS DOT Comments
4	05/23/22	Revised Landscaping Plan
3	05/03/22	Per NYS DOT Comments
2	03/21/22	Preliminary Site Plan Submission
1	07/29/21	Added Southern Fenceline

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SEAL

PROPOSED DANDY MINI-MART
LANSEING CT, TOMPKINS CO., NEW YORK

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Scale:	As Noted
Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

CIVIL DETAILS

C11

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Commercial Onsite Wastewater Treatment System Design for Dandy Mini Mart

GENERAL INFORMATION:
The proposed design consists of one Wastewater Treatment System for the proposed commercial building in Lansing, NY. Based on Owners water usage records from other stores, the proposed on-site wastewater treatment system shall be designed to handle the effluent from the proposed septic system with a design flow of 615 gallons per day.

PROPOSED OWTs DESIGN FLOW:
615 GPD (based on water usage records from other Dandy Mini Marts)

SOILS & PERCOLATION TEST DATA:
• No percolation tests have been performed at this time. These tests will be conducted prior to construction.

Based on the USDA Soil Survey, the existing soils have little to no percolation. Because of this, a mound system has been proposed.

SEPTIC TANK DESIGN:
Table D-2 in the New York State Design Standards for Intermediate Sized Wastewater Treatment Systems Handbook states that the Minimum Effective Tank Capacity for a Daily Flow under 5,000 GPD shall be 1.5 x Daily Flow = 1.5 x 615 GPD = 923 Gallons. Therefore a 1000 Gallon tank is being proposed.

MOUND WITH ABSORPTION TRENCH DESIGN:
615 GPD / 0.90 GPD/FT² (Application Rate) = 684 FT²
684 FT² / 2 FT = 342 FT (Total Trench Length)
Therefore, the proposed design shall consist of 6 Rows @ 60 FT.

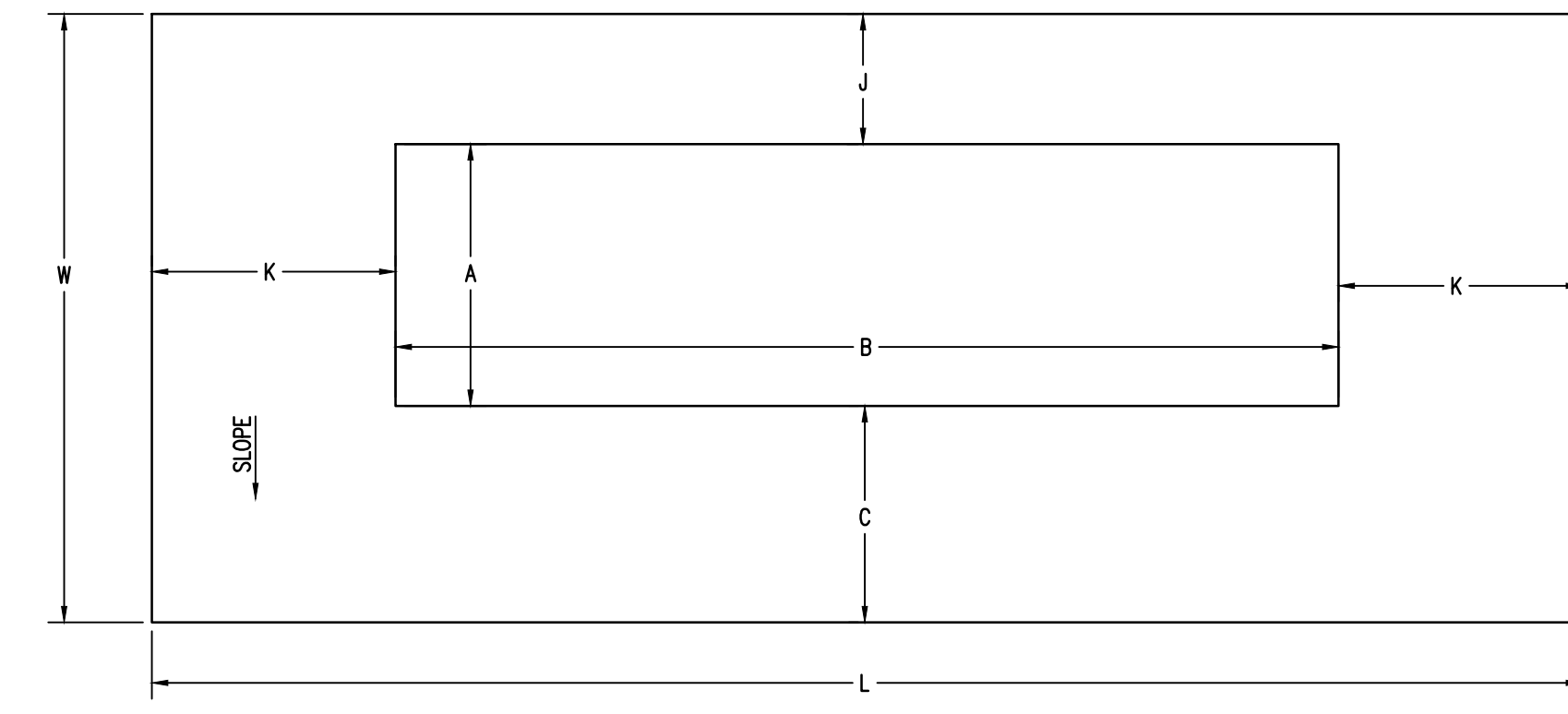
Absorption Area (A) = 6 trenches @ 2 ft wide/trench + 20 ft total trench separation = 32 ft
Absorption Area Length (B) = 60 ft
Fill Depth (D) = 2 ft
Fill Depth (E) = D + [slope x A] = 2 + [(0.08 x 32)] = 4.56 ft
Bed Depth (F) = 1 ft
Cap at Edge of Trenches (C) = 0.5 ft
Cap at Center of Trenches (H) = 1 ft
Upslope Setback (J) = [D + F + G] x 3 = [2 + 1 + 0.5] x 3 = 10.5 ft
Side Slope Setback (K) = [E + F + G] x 3 = [4.56 + 1 + 0.5] x 3 = 18.18 ft or 19 ft
Mound Length (L) = B + 2K = 60 + 2(19) = 98 ft
Downslope Setback (C) = 3 x [(E + F + G) + (slope x C)] = 3 x [(4.56 + 1 + 0.5) + (0.08 x C)] = 24 ft
Mound Width (W) = J + A + C = 10.5 + 32 + 24 = 66.5 ft or 67 ft

Material Specifications

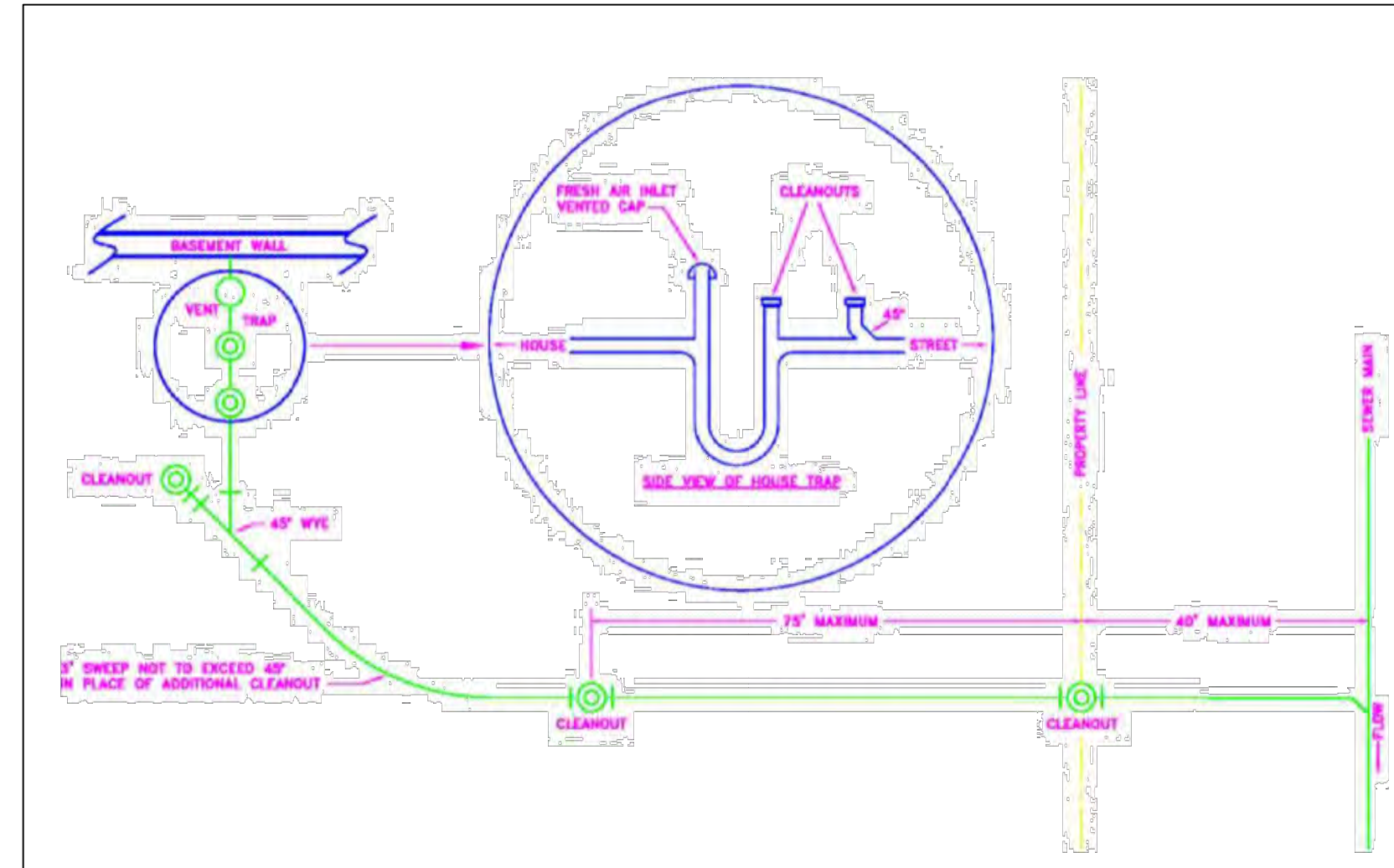
- Sewer Pipe:**
• 4" SDR 35 PVC, TYPE 1 GRADE, ASTM D-3034 OD = 4.215" (0.120 min. wall)
- Septic Unit:**
• 1,500 Gallon Septic Tank, by Zeiser Wilbert Vault Co., Elmira, NY
- Distribution Box:**
• One (1) Four Hole Distribution Box: 1 Inlet, 3 Outlets, by Zeiser Wilbert Vault Co., Elmira, NY
- Perforated Distribution Pipe:**
• 4" SDR-35 PIPE, TYPE 1 GRADE, ASTM D-3034 OD = 4.215" (0.120 min. wall)

Installation Notes

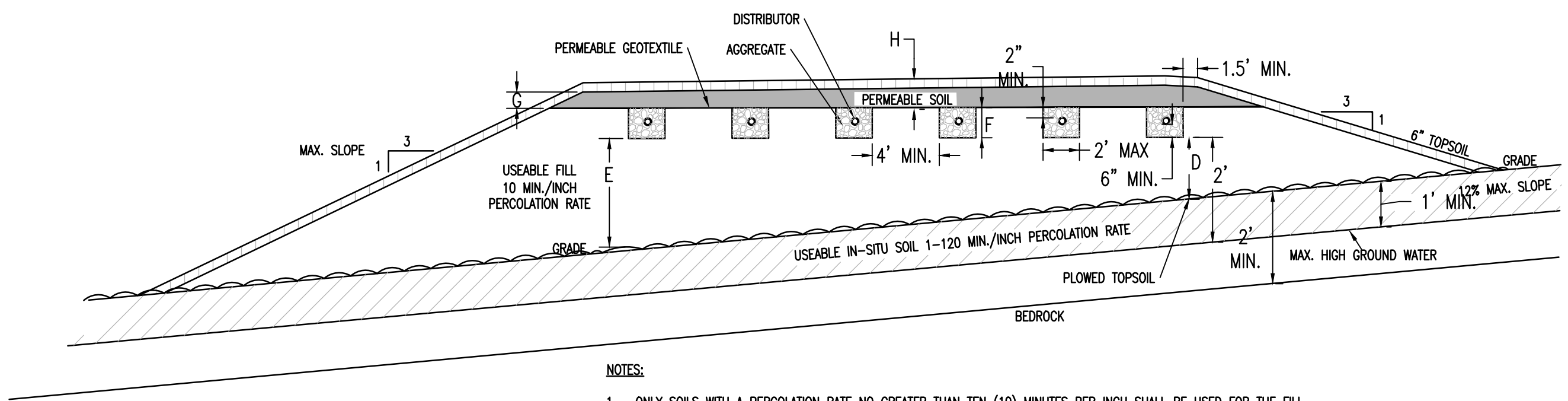
- CLEAR AND GRUB THE SITE (TREES, ROOTS, ROCKS, etc.)
- FLOW MOUND AREA TO A DEPTH OF 7-8"
- FILL TO BE PLACED IMMEDIATELY AFTER THE SITE IS PREPARED
- CONSTRUCTION EQUIPMENT SHOULD AT NO TIME TRACK OVER THE ABSORPTION AREA
- ONCE THE MOUND HAS BEEN PREPARED ABSORPTION SYSTEM IS TO BE PREPARED/INSTALLED PER DETAILS
- BOTTOM AND SIDEWALLS OF ABSORPTION TRENCHES SHALL BE RAKED PRIOR TO INSTALLATION OF DISTRIBUTOR PIPES
- AGGREGATE IN THE TRENCHES SHALL BE COMPLETELY COVERED WITH A PERMEABLE NON-WOVEN GEOTEXTILE TO PREVENT INFILTRATION OF SOIL INTO AGGREGATE
- FINAL FILL SLOPES SHALL NOT EXCEED 1:3 (1 VERTICAL:3 HORIZONTAL)
- ENTIRE MOUND SHALL BE COVERED WITH 6" OF TOPSOIL AND SEEDED TO GRASS



MOUND SYSTEM WITH ABSORPTION TRENCHES TOP VIEW
N.T.S.

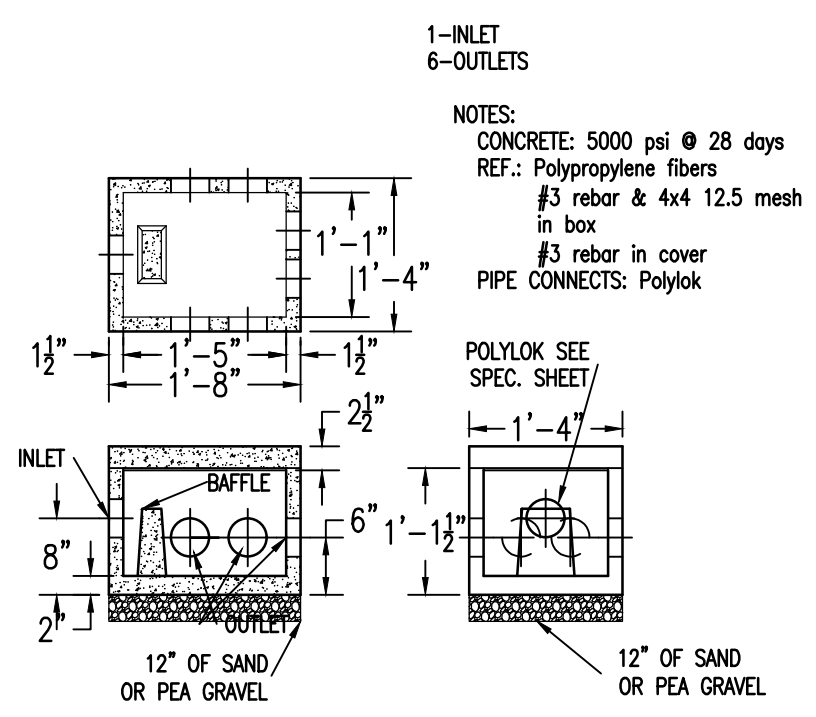


CLEANOUT PLACEMENT DETAIL
N.T.S.



- NOTES:**
1. ONLY SOILS WITH A PERCOLATION RATE NO GREATER THAN TEN (10) MINUTES PER INCH SHALL BE USED FOR THE FILL. MATERIAL SANDS WITH GREATER THAN 10% BY WEIGHT FINER THAN 0.05 MM MATERIAL MUST BE AVOIDED. AT LEAST 25% OF THE MATERIAL BY WEIGHT SHALL BE IN THE RANGE OF 0.50 MM TO 2.0 MM. LESS THAN 15% OF THE MATERIAL BY WEIGHT SHALL BE LARGER THAN A 1/2 INCH SIEVE. A SIEVE ANALYSIS MAY BE NECESSARY TO VERIFY THIS REQUIREMENT.
 2. IMPORTED SOILS TO BE TESTED PRIOR TO COMPLETION OF MOUND SYSTEM BY A PROFESSIONAL ENGINEER.
 3. PREPARATION OF THE SITE ON WHICH THE MOUND IS TO BE LOCATED, PLACEMENT OF THE FILL ON THE SITE, CONSTRUCTION OF THE ABSORPTION TRENCHES, GRADING THE EXPOSED FILL, AND GRADING/SEEDING THE TOP SOIL ARE CRITICAL TO PROPER OPERATION OF THE MOUND SYSTEM.

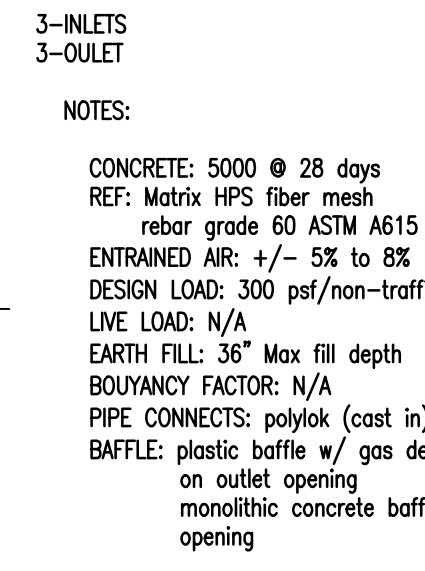
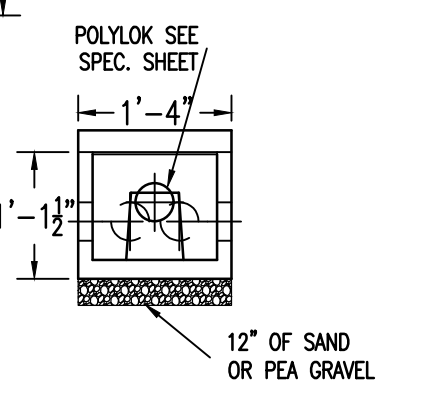
MOUND SYSTEM WITH ABSORPTION TRENCHES DETAIL
N.T.S.



6 HOLE DISTRIBUTION BOX
N.T.S.

1-INLET
6-OUTLETS

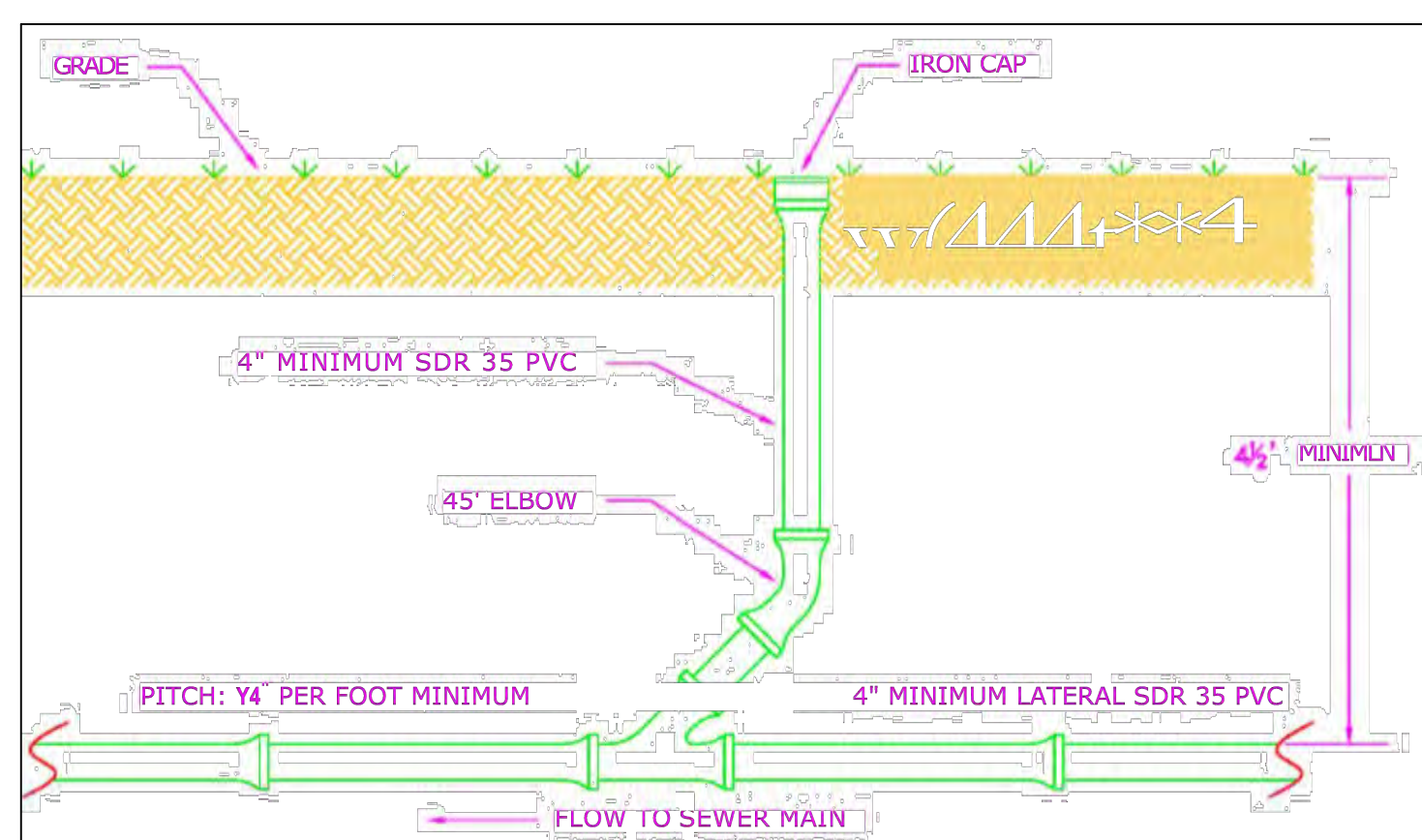
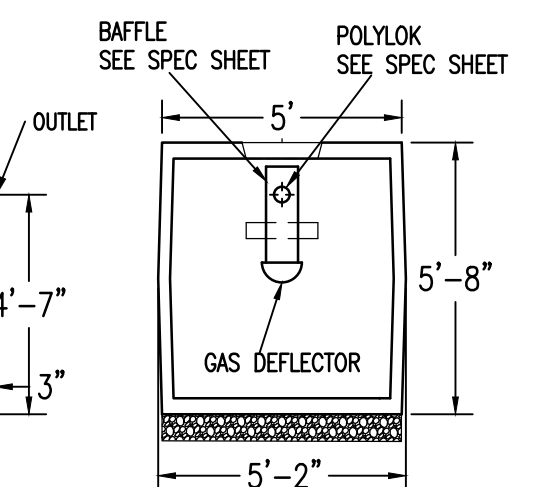
NOTES:
CONCRETE: 5000 psi @ 28 days
REF.: Polypropylene fibers
#3 rebar & 4x4 12.5 mesh in box
#3 rebar in cover
PIPE CONNECTS: Polylok



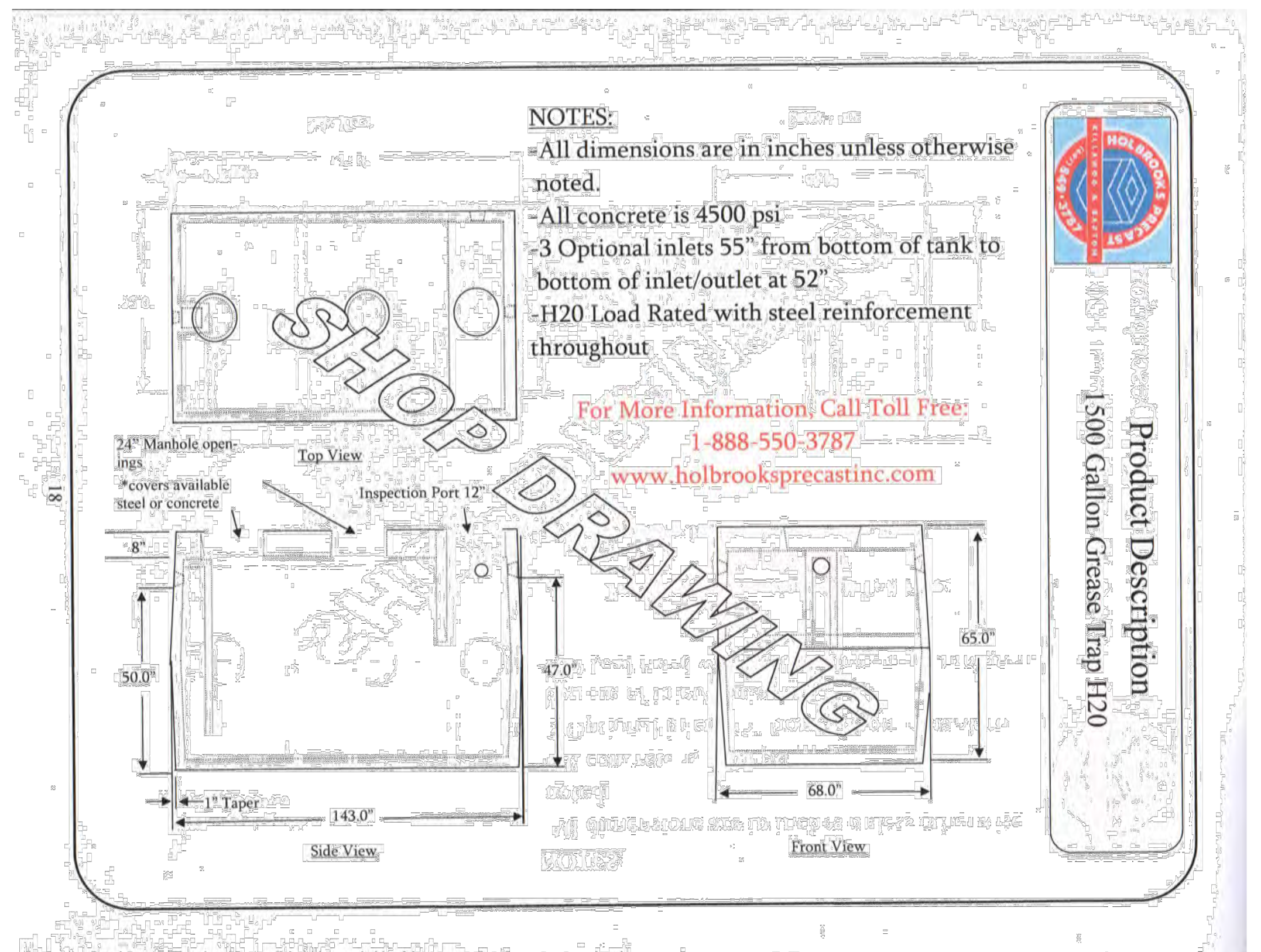
ST-1000 (2 COMP) SEPTIC TANK
N.T.S.

3-INLETS
3-OUTLET

NOTES:
CONCRETE: 5000 @ 28 days
REF: Matrix HPS fiber mesh
rebar grade 60 ASTM A615
ENTRAINED AIR: +/- 5% to 8%
DESIGN LOAD: 300 psf/non-traffic
LIVE LOAD: N/A
EARTH FILL: 36" Max fill depth
BOUYANCY FACTOR: N/A
PIPE CONNECTS: polylok (cast in)
BAFFLE: plastic baffle w/ gas deflector on outlet opening
monolithic concrete baffle on inlet opening



IN-LINE CLEANOUT DETAIL
N.T.S.



NOTES:
-All dimensions are in inches unless otherwise noted.
-All concrete is 4500 psi
-3 Optional inlets 55" from bottom of tank to bottom of inlet/outlet at 52"
-H2O Load Rated with steel reinforcement throughout

For More Information, Call Toll Free:
1-888-550-3787
www.holbrooksprecastinc.com

Product Description
1500 Gallon Grease Trap H20

Note:
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Date:	11x17 Prints are 1/2 Size
Design By:	November 30, 2020
Drawn By:	JBG, RSN
Checked By:	RSN
Project No.:	JBG
Drawing Name:	2020.062
	20062.dwg

SEWER DETAILS
C12

500 gallon pump chamber interior volume: 8' x 5' = 40 sqft (7.48 gal/c.f.) = 300 gal/ft

Volume of 1 inch Force Main at 66 feet
 Volume = Area of 1 in diameter pipe (66 ft) = 0.36 c.f. (7.48 gal/c.f.) = 2.70 gal

Assume the force main drains back in the wet well through the simplex pump.

Doses per Day = 4 doses/day = 615 GPD / 4 doses/day = 154 gallons/dose

Pump Volume = dose size + pipe system volume = 154 gallons + 2.70 gallons = 156.70 gallons

Pump Selection:
 Static Head = Distribution Box Outlet Invert - Pump Off = 829.39 - 812.76 = 16.63 ft
 Force main Length = 263 ft
 Equivalent Length = (3 90's x 2.62 ft) + (1 Quick Disconnect x 8.32 ft) + (1 Ball Check Valve x 27.00 ft) = 43.18 ft
 C = 120 (PVC Plastic Pipe)

Pump Rate (gpm)	0	10	20	30	40	50	22
Static Head (ft)	16.63	16.63	16.63	16.63	16.63	16.63	16.63
Friction Loss (ft)	0.00	6.95	25.04	53.02	90.27	136.41	29.87
TDH (ft)	16.63	23.58	41.67	69.65	106.90	153.04	46.50

Select Gould Effluent Pump Model WE0511HH operating at 22 gpm @ 46.50 ft TDH

INSTALLATION, LAYOUT & MATERIALS

- Tanks shall be waterproof, installed with an access cover at least 24 in diameter, and of a durable construction, capable of withstanding soil pressure when empty. precast concrete pump tanks designed for pump station applications are acceptable.
- The pump tank shall be located away from vehicle traffic, where possible, and positioned to facilitate maintenance.
- Pipe, Fittings, and Connectors shall be rated for pressurized flow. Threaded galvanized pipe assemblies shall use pipe tape or pipe dope. Glued plastic fittings shall be of a deep socketed, pressure type and be cleansed with visible primer prior to assembly. Compression and gasketed fittings shall be rated to withstand pressures during operation of the pump system. (Each one foot of vertical lift results in 0.43 pounds per square inch of pressure at the lowest point in the pump system).
- Assembly of the pump, discharge line, union or disconnect, power, and control cords shall be made so as to facilitate later maintenance and pump replacement without entry into the tank. At location where one or more risers are required to bring the cover to grade, electrical and pump discharge lines may be brought through an opening in the riser wall. Repair to the riser wall must prevent groundwater entry and be of a durable construction.
- A union or disconnect is required on the pump discharge line.
- A nylon rope or stainless steel chain or gable shall be provided and secured within easy reach of the pump tank cover, for later retrieval of the pump.
- Electrical and float cords shall be of sufficient length to allow removal of the pump and placement on the ground. Cords shall be coiled and secured within reach with waterproof tape, cable ties, or other removable and reliable fastener.
- The force main between the pump tank and treatment area shall be installed so as to be frost proof. Ordinarily the most desirable method of frost proofing shall be to install the pump line so that effluent drains back into the tank after each pump cycle. Where a check valve is installed and the line is not intended to drain back to the tank, the force main shall be buried at least 42 in below grade. A 1/4 in hole shall be drilled in the rigid discharge assembly immediately beyond the check valve to allow drain back into the tank.
- The pump, chamber, and all products used in the system shall be warranted by the manufacturer for that application.
- Ball valves must be full bore type with minimum fluid passage way no less than the pipe diameter.
- Force mains located under public roads, driveways, and other traffic areas shall be installed within a protective sleeve to prevent damage to the line, and to facilitate retrieval and replacement, if necessary.
- All opening and joints in the tank, including the riser, shall be adequately sealed to prevent infiltration of ground and surface waters.

UNACCEPTABLE MATERIALS

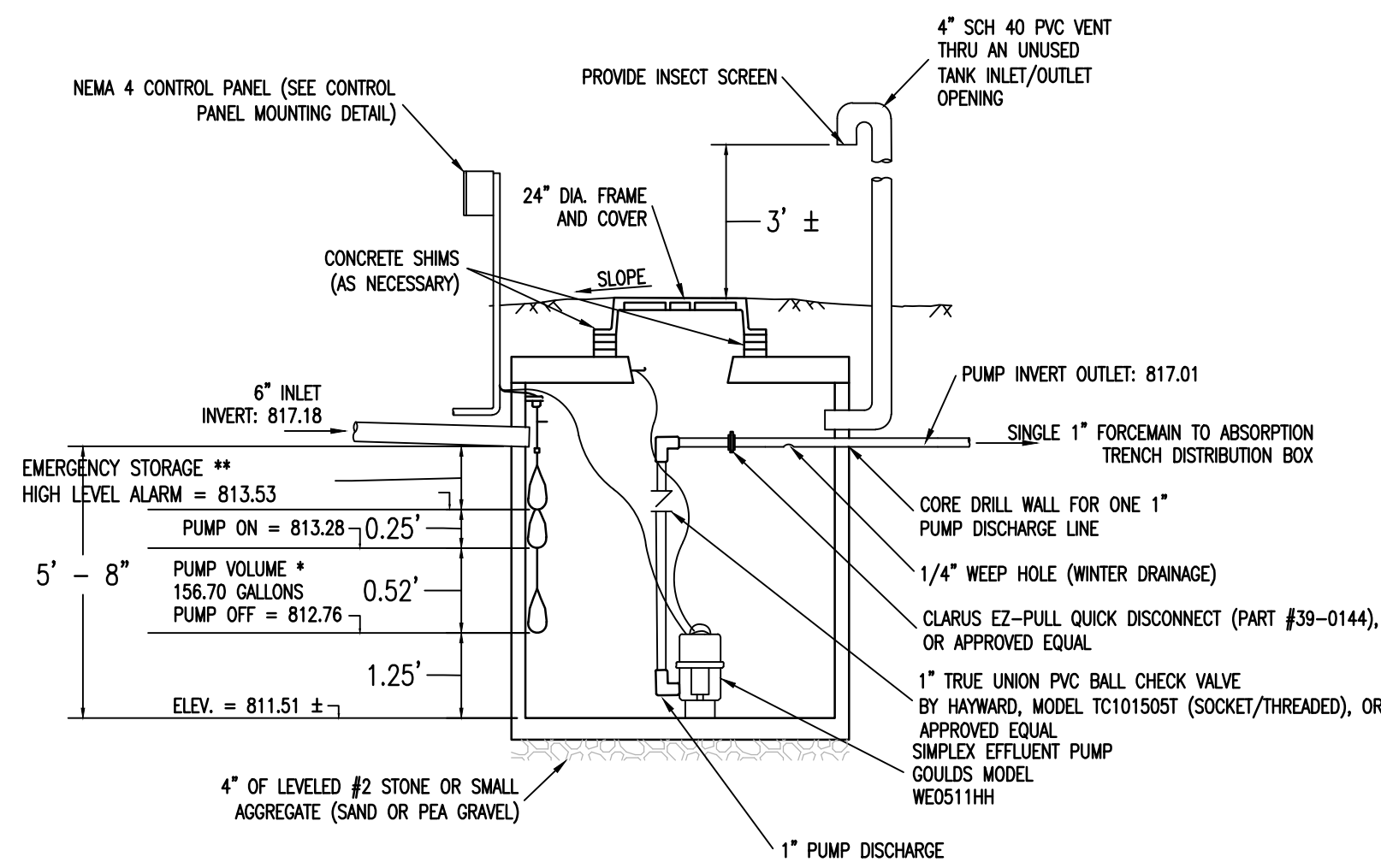
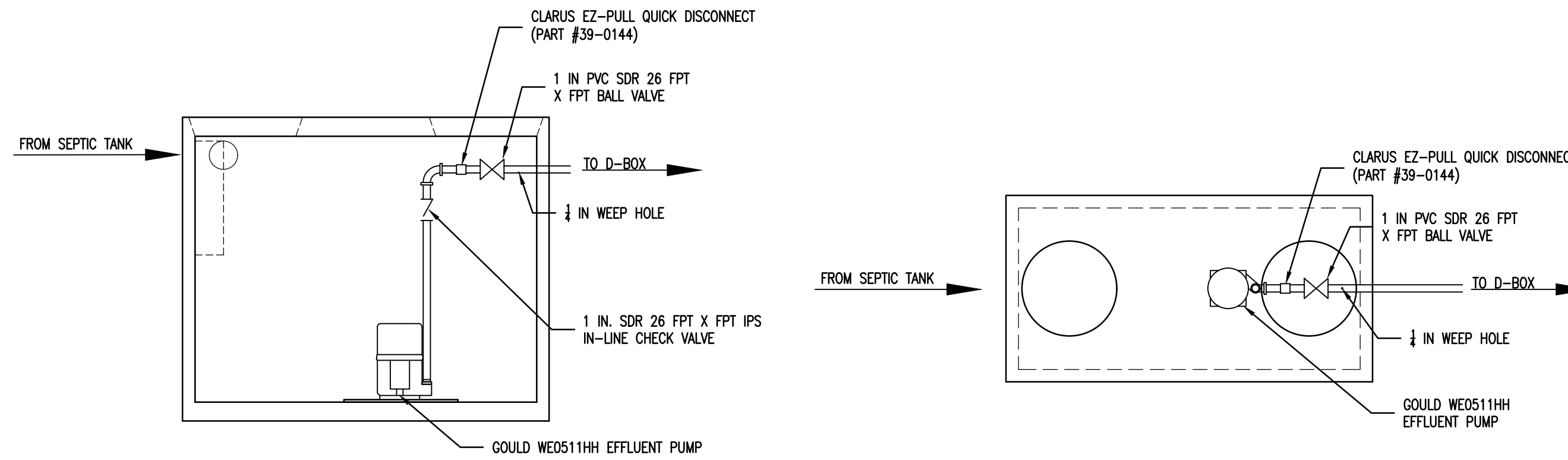
- Fittings and pipe materials not designed for pressurized flow.
- Non-sunersible pumps, well pumps, or electrical connections within the pump tank.
- Any material NOT specifically designed and warranted for the application is unacceptable.

GENERAL NOTES, APPLICABILITY, AND LIMITATIONS TO USE

- This plan has been prepared to provide standards and guidance on installation of septic tank effluent pump stations suited to residential use. According to current sanitary and building codes, this shall not be used for layout of raw sewage pump stations, which require different criteria for tank size and pump selections.
- Float controls shall be used for level and pump control.
- A high water alarm and float shall be provided to warn dwelling occupants of pump malfunction. The alarm shall be located in plain sight of the malfunction. The alarm shall be located in plain sight of the living area.

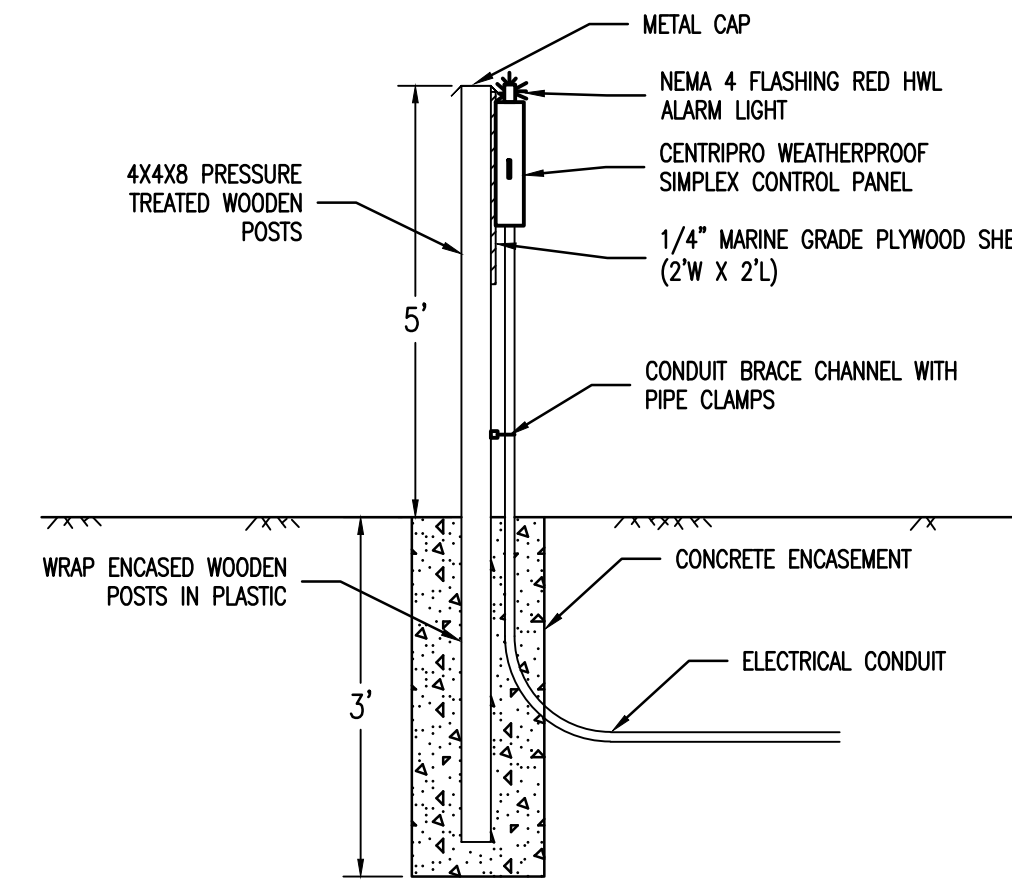
ELECTRICAL NOTES

- All electrical wiring and systems shall be in accordance with the most current version of the National Electrical Code for the specific applications.
- Electrical service and connections may be made in one of several acceptable methods. All must meet current Electrical and Building Code requirements. Junction boxes and receptacles located within the pump tank are not acceptable.
- Contractor's electrician shall provide a single phase, 115V, 20 AMP circuit dedicated for the simplex pump/pump controls.



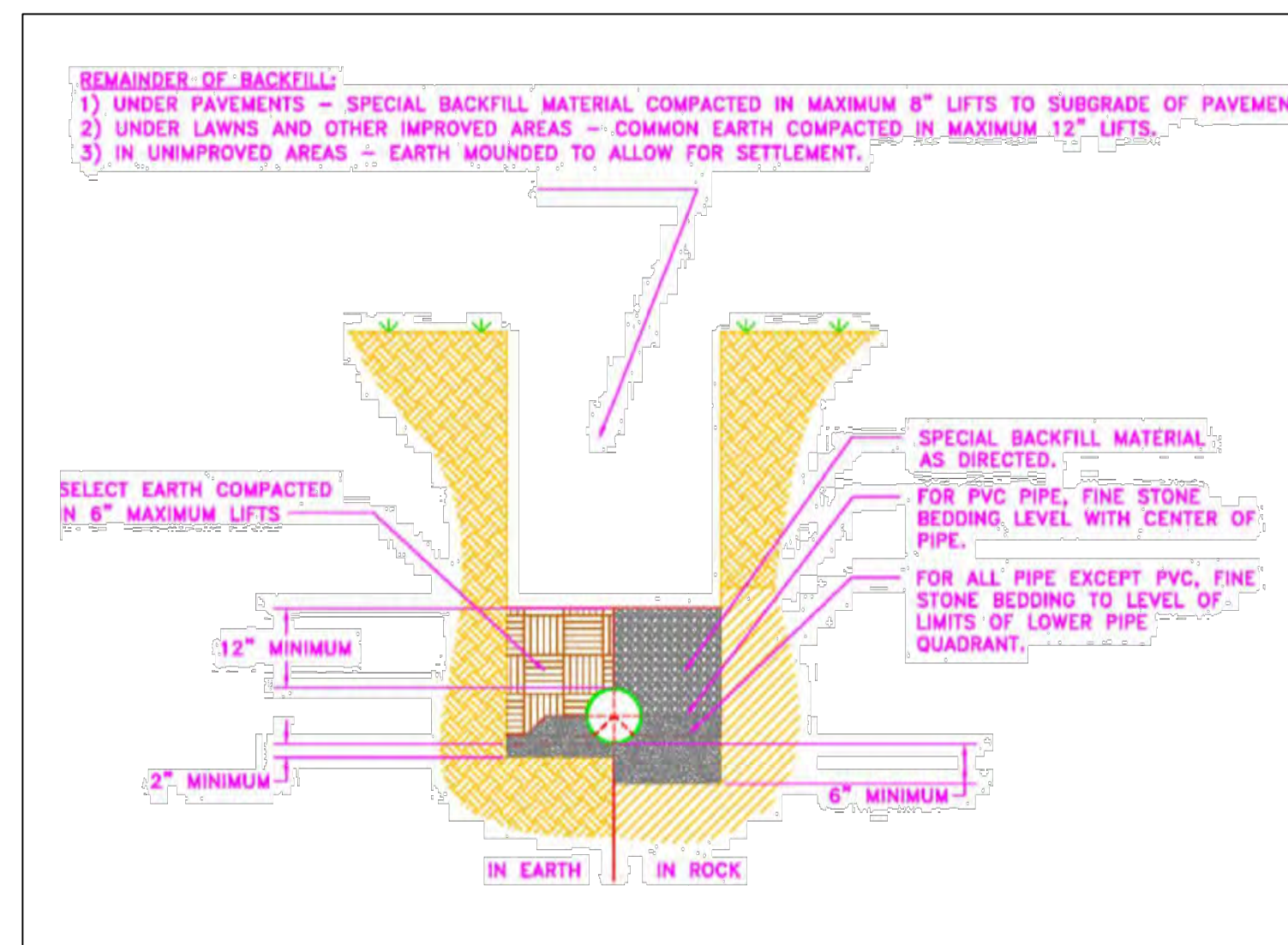
NOTE:
 NO PERSON TO ENTER TANK UNLESS OSHA REPRESENTATIVE PRESENT.

* PUMP VOLUME = 123 GAL (DOSE) + 2.70 GAL (DRAIN BACK) = 125.70 GAL
 ** EMERGENCY STORAGE
 ACTUAL = 3.65 FT / 1,095 GAL
 MIN. REQUIRED = 2.05 FT / 615 GAL



NOTE:
 * POST AND PLYWOOD TO BE PAINTED (COLOR BY OWNER)

1000 GALLON PUMP CHAMBER DETAIL



**TYPICAL SEWER LATERAL TRENCH
 DETAIL
 N.T.S.**

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- Site was inspected by _____ on _____
- The Total Dynamic Head at 45 GPM is estimated to be:
 Static Head: 16.63 ft + 29.87 ft Friction Head = 46.50 ft (0.4335) = 20.16 PSI
- Pump Curve supplied by the contractor for the installed pump indicated that the pump would provide the minimum recommended GPM at the estimated Total Dynamic Head and that the pump would operate with an acceptable efficiency.
- Pump installed is specifically designed for this application.
- The pump chamber was a 1000 Gallon Chamber and is specifically designed for this application.
- The pump can be removed from the chamber from the ground surface.
- An audible/visual alarm is located above grade on a post near the pump tank cover. The visible alarm, if installed, is clearly visible from the living area.

PUMP NOTES:

- Grinder, Sewage, or Effluent
- Minimum Freeboard Storage: 615 Gallons
- Dosing Volume: 125.70 Gallons
- Pump: Goulds Model WE0511HH or Approved Equal

Simplex Control Panel:

- CENTRIPRO WEATHERPROOF PANEL with the following features:
- NEMA 4 (Dead Front Type with Locking HASP)
 - Separate Level Control Switches (OFF, ON, HWL)
 - HWL Alarm Circuit and Light (NEMA 4 Flashing Red Light)
 - HWL Alarm Circuit and Audible Alarm (NEMA 4 Horn)
 - Automatic Alarm Reset
 - HOA Switch
 - Run Light
 - Condensation Heater - 115V

GENERAL NOTES:

- A visual high water alarm system shall be located in a conspicuous location and shall be kept in workable order at all times.
- Set the High Water Alarm to actuate when the pump tank will have a reserve volume of at least one day capacity.
- Tank installation in area of High Groundwater shall be installed with Anti-Floating Device as per the tank manufacturer.
- Electrical components to comply with latest edition of NYS Fire Underwriter's code.
- Slope finished grade away from the manhole cover so storm runoff does not enter the tank through the access cover.

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 Drawn By: RSN
 Checked By: JBG
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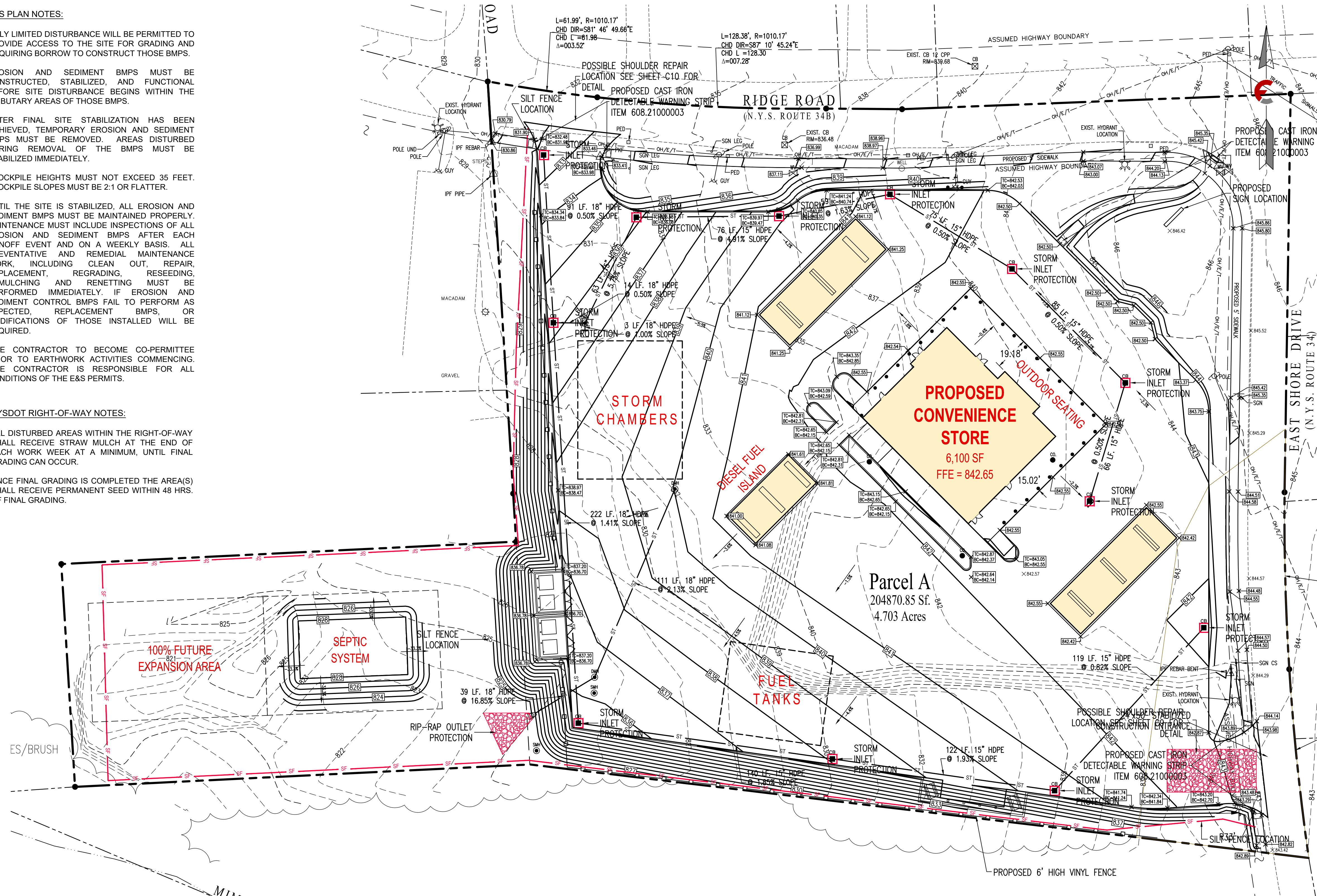
SEWER DETAILS
C13

E&S PLAN NOTES:

- ONLY LIMITED DISTURBANCE WILL BE PERMITTED TO PROVIDE ACCESS TO THE SITE FOR GRADING AND ACQUIRING BORROW TO CONSTRUCT THOSE BMPS.
- EROSION AND SEDIMENT BMPS MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMPS.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE BMPS MUST BE STABILIZED IMMEDIATELY.
- STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- SITE CONTRACTOR TO BECOME CO-PERMITTEE PRIOR TO EARTHWORK ACTIVITIES COMMENCING. SITE CONTRACTOR IS RESPONSIBLE FOR ALL CONDITIONS OF THE E&S PERMITS.

NYS DOT RIGHT-OF-WAY NOTES:

- ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL RECEIVE STRAW MULCH AT THE END OF EACH WORK WEEK AT A MINIMUM, UNTIL FINAL GRADING CAN OCCUR.
- ONCE FINAL GRADING IS COMPLETED THE AREA(S) SHALL RECEIVE PERMANENT SEED WITHIN 48 HRS. OF FINAL GRADING.



LEGEND	
	PROPERTY LINE
	EXISTING EASEMENT
	EXISTING EDGE OF ROADWAY
	EXISTING CURB LINE
	EXISTING SANITARY SEWER
	EXISTING GAS MAIN
	EXISTING UTILITY LINE
	EXISTING FENCE LINE
	EXISTING WATER LINE
	EXISTING CONTOUR LINE
	PROPOSED LIMIT OF DISTURBANCE
	PROPOSED CONTOUR LINE
	PROPOSED EASEMENT
	PROPOSED STORM SEWER
	PROPOSED EDGE OF ROADWAY
	PROPOSED CURB LINE
	PROPOSED SANITARY SEWER
	PROPOSED GAS LINE
	PROPOSED UTILITY LINE
	PROPOSED WATER LINE
	PROPOSED SILT FENCE
	PROPOSED COMPOST SOCK
	EXISTING SANITARY MANHOLE
	EXISTING FIRE HYDRANT ASSEMBLY
	EXISTING CLEANOUT
	EXISTING SPOT ELEVATION
	PROPOSED SANITARY MANHOLE
	PROPOSED WATER VALVE
	PROPOSED THRUST BLOCK
	PROPOSED FIRE HYDRANT ASSEMBLY
	PROPOSED CLEANOUT
	PROPOSED LIGHTING FIXTURE
	PROPOSED SPOT ELEVATION
	PROPOSED DRYWELL
	PROPOSED CATCH BASIN
	PROPOSED INLET PROTECTION
	PROPOSED TOP/BOTTOM CURB

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Scale: 1" = 30'
11x17 Prints are 1/2 Size

Date: November 30, 2020

Design By: JBG, RSN

Drawn By: RSN

Checked By: JBG

Project No.: 2020.062

Drawing Name: 20062.dwg

CONSTRUCTION SEQUENCE

- ALL PAGE NUMBERS (P. 5**) REFER TO THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL.
- CONTROL DUST ON SITE TO PREVENT DUST LEAVING THE SITE AND CREATING OFF-SITE DAMAGE, HEALTH HAZARDS, AND TRAFFIC SAFETY PROBLEMS. TREATMENT INCLUDES BUT IS NOT LIMITED TO SPRAYING DISTURBED SOIL SURFACES WITH WATER (5A.87).
- INSTALL STABILIZED CONSTRUCTION ENTRANCE (P. 5A.75) WIDTH - TWELVE (12) FT. MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. IF ONLY ONE ENTRANCE IS USED THE MINIMUM WIDTH SHALL BE TWENTY-FOUR (24) FEET.
- STANDARD SILT FENCE (P. 5A.19) SHALL THEN BE PLACED AROUND ALL DISTURBED AREAS.
- CLEAR AND GRUB THE SITE. STRIP TOPSOIL AND STOCKPILE ON-SITE WITH PERIMETER SILT FENCE AND VEGETATIVE COVER.
- INSTALL ALL CATCH BASINS. INLET PROTECTION (51.27) SHALL BE PLACED AROUND ALL STORM DRAIN INLETS. UTILIZE TYPE II IN AREAS OF EXCAVATION AND TYPE III IN PAVEMENT AREAS. CONVERT ALL FABRIC DROP INLET PROTECTION TO TYPE III IN-PAVEMENT PROTECTION UPON PAVING COMPLETION WITHIN PROJECT AREA.
- CONSTRUCT BUILDING FOUNDATION AND ENCLOSE BUILDING.
- INSTALL STORMWATER CHAMBER SYSTEM AND CLOSED STORM SEWER SYSTEM. DO NOT CONNECT THE UNDERGROUND STORM SEWER SYSTEM TO THE STORMWATER CHAMBER SYSTEM UNTIL THE PROJECT HAS BEEN VEGETATED.
- INSTALL ROCK OUTLET PROTECTION (P. 5B.21) AT ALL STORM SEWER OUTLETS.
- FINALIZE CONSTRUCTION OF MAIN PROJECT ELEMENTS INCLUDING INFRASTRUCTURE AND NEW PAVEMENT.
- PERFORM SOIL RESTORATION TO DISTURBED AREAS OF THE SITE THAT WILL NOT BE PAVED. SOIL RESTORATION INCLUDES DEEP RIPPING THE SUBSOIL TO A MINIMUM DEPTH OF 12-INCHES, MIXING 3-INCHES OF COMPOST INTO THE SUBSOIL, AND SPREADING 6-INCHES OF TOPSOIL TO THE SITE. SOIL RESTORATION IS REQUIRED FOR ALL AREAS OF EXISTING GRAVEL IMPERVIOUS AREA THAT WILL BE CONVERTED TO PERVIOUS COVER.
- SPREAD TOPSOIL, FINE GRADE, SEED, MULCH, AND ESTABLISH VEGETATIVE COVER.
- ONCE DISTURBED AREAS HAVE REACHED STABILIZATION, CONNECT THE STORM CHAMBER SYSTEM TO THE STORM SEWER SYSTEM.
- REMOVE SEDIMENT FROM ANY SEDIMENT TRAPS OR BASINS.
- REMOVE ALL TEMPORARY EROSION CONTROL METHODS WHEN CONTRIBUTING DRAINAGE AREAS HAVE REACHED FINAL STABILIZATION.

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E & S PLAN
C14

STANDARD AND SPECIFICATIONS FOR LAWN AREA IMPROVEMENT

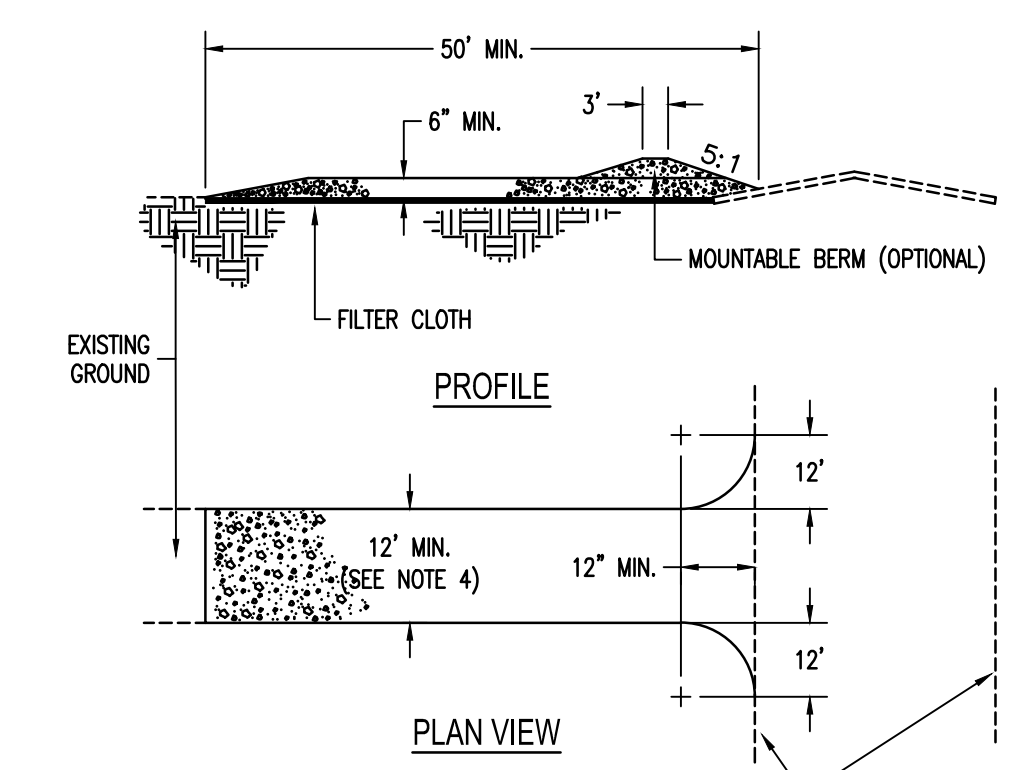
Establishing Grasses (Turf grasses)

- Time of planting:
 - Fall planting is preferred. Seed after August 15. In the spring plant until May 15.
 - If seeding is done between May 15 and August 15, irrigation may be necessary to insure a successful seeding.
- Site Preparation:
 - Install needed water and erosion control measures and bring area to be seeded to desired grades. A minimum of 4 in topsoil is required.
 - Prepare seedbed by loosening soil to a depth of 1 to 6 inches.
 - Remove all stones over 1 inch in diameter, sticks and foreign matter from the surface.
 - Lime to pH if 6.0 - 7.0.
 - Fertilize as per soil test or apply 800 to 900 pounds of 5-10-10 or equivalent per acre (20 lbs./1,000 sf.).
 - Incorporate lime and fertilizer in top 2 - 4 inches of topsoil.
 - Smooth and firm the seedbed.
- Planting:
 - Use a cultipacker type seeder if possible.
 - If seed is to be drilled, cultipack or roll before and after seeding. Drill the seed to a depth of 1/8 to 1/4 inch. If seed is to be broadcast, cultipack or roll after seeding on loose soil.
 - If hydroseeded, lime and fertilizer may be applied through the seeder.
- Mulching:
 - Site preparation:
 - Prior to mulching, install the necessary temporary or permanent erosion control (structural) practices and drainage systems within or adjacent to area to be mulched.
 - Slope, grade and smooth the site if conventional equipment is to be used in applying and anchoring the mulch.
 - Remove all undesirable stone and other debris depending on anticipated land use.
 - Compacted or crusted soil surface should be loosened to at least 2 inches by disking or other suitable methods.
 - Mulching Materials:
 - The best combination is straw (small grain) mulch applied at 2 ton/acre (90 lbs./1,000 sf.) and anchored with wood fiber mulch (hydromulch) at 500 - 700 lbs./acre (11 - 17 lbs./1,000 sf.). The wood fiber mulch must be applied through a hydroseeder immediately after mulching.

5. Seed mixtures:

SITE/USE	SPECIES % BY WEIGHT	Lbs./1,000 sf.	Lbs./Acre
Sunny Sites (well moderately well and somewhat poorly drained soils)	65% Kentucky Bluegrass Blend	2.0 - 2.6	85 - 114
	20% Perennial Ryegrass	0.6 - 0.8	26 - 35
	15% Fine Fescue	0.4 - 0.6	19 - 26
Sunny Droughty Sites - General recreation areas and lawns, low maintenance (somewhat excessively to excessively drained soils)	65% Fine Fescue	2.6 - 3.3	114 - 143
	15% Perennial Ryegrass	0.6 - 0.7	26 - 33
	20% Kentucky Bluegrass Blend	0.8 - 1.0	35 - 44
		4.0 - 5.0	174 - 220

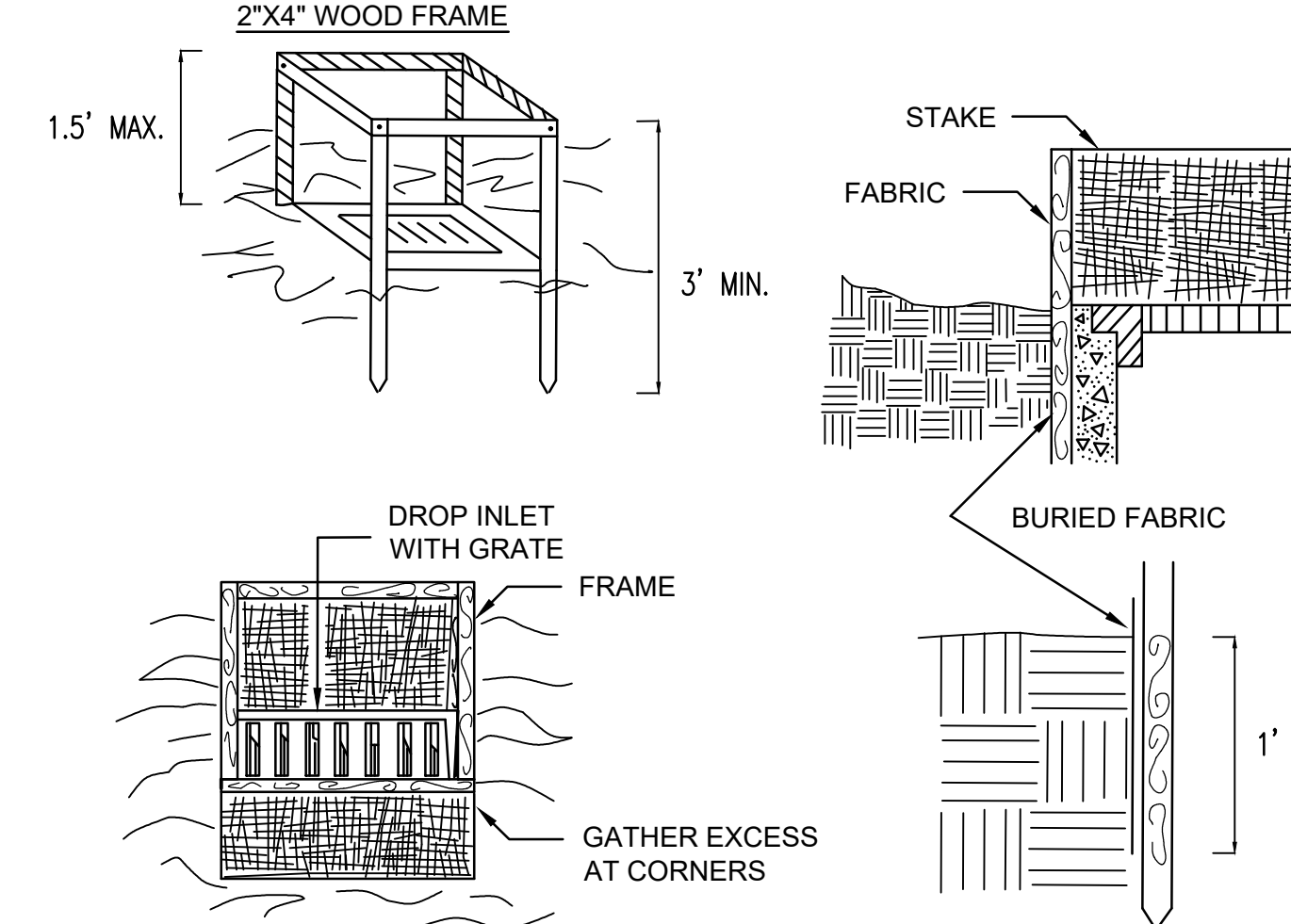
- First Year
 - Fertilize 3 to 4 weeks after germination by applying 1 lb. nitrogen/1,000 sf. using a complete fertilizer with a 2-1-1 or 4-1-3 ratio or as recommended by soil test results.
 - Restrict use. New seeding's should be protected from use for 1 full year to allow development of a dense sod with good root structure.
- Maintaining Grasses
 - Maintain a pH of 6.0 to 7.0.
 - Fertilize in late May to early June as follows with 10-10-10 analysis fertilizer at the rate of 10 lbs./1,000 sf. and repeat in late August if sod density is not adequate. Top dress weak sod annually in the spring but at least once every 2 to 3 years.
 - Aerate compacted or heavily used areas, like athletic fields, annually as soon as soil moisture conditions permit. Aerate area 6 to 8 times using a spoon or hollow tine type aeration. Do not use solid spike equipment.
 - Reseed bare and thin areas annually with original species.



STABILIZED CONSTRUCTION ENTRANCE

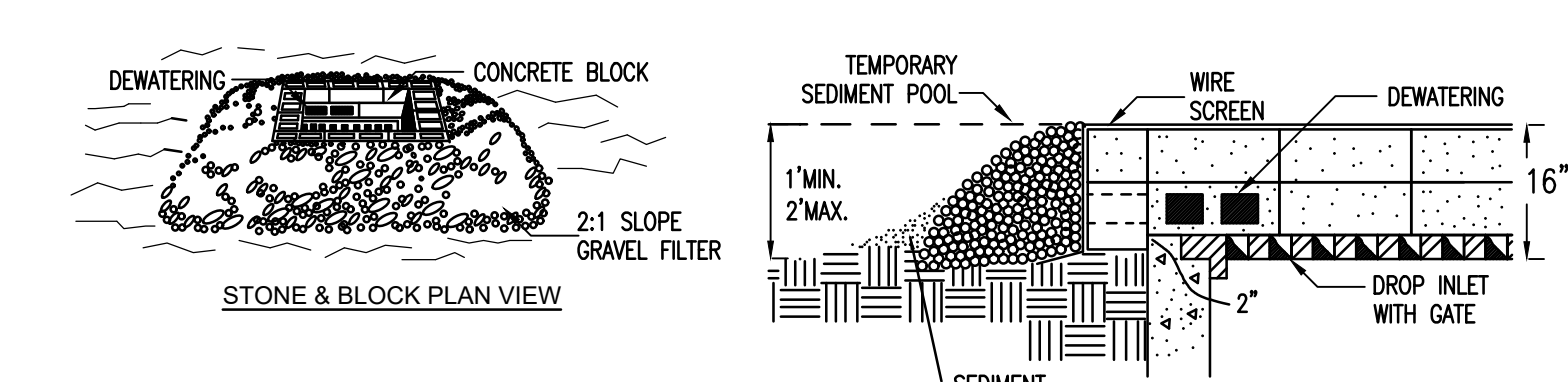
NTS.
CONSTRUCTION SPECIFICATIONS

- Stone size: - Use 2" stone, or reclaimed or recycled concrete equivalent.
- Length: - As required, but no less than 50 feet.
- Thickness: - Not less than (6) inches.
- Width: - Twelve (12) ft. Minimum, but not less than the full width at points where ingress or egress occurs. If only one entrance is used the minimum width shall be twenty-four (24) feet.
- Filter cloth: - Will be placed over the entire area prior to placing of stone.
- Surface water: - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes is permitted.
- Maintenance: - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately by Contractor.
- Washing: - Wheels shall be cleaned to remove sediment prior to entrance onto a public rights-of-way. When washing is required it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.



FILTER FABRIC STORM DRAIN PROTECTION

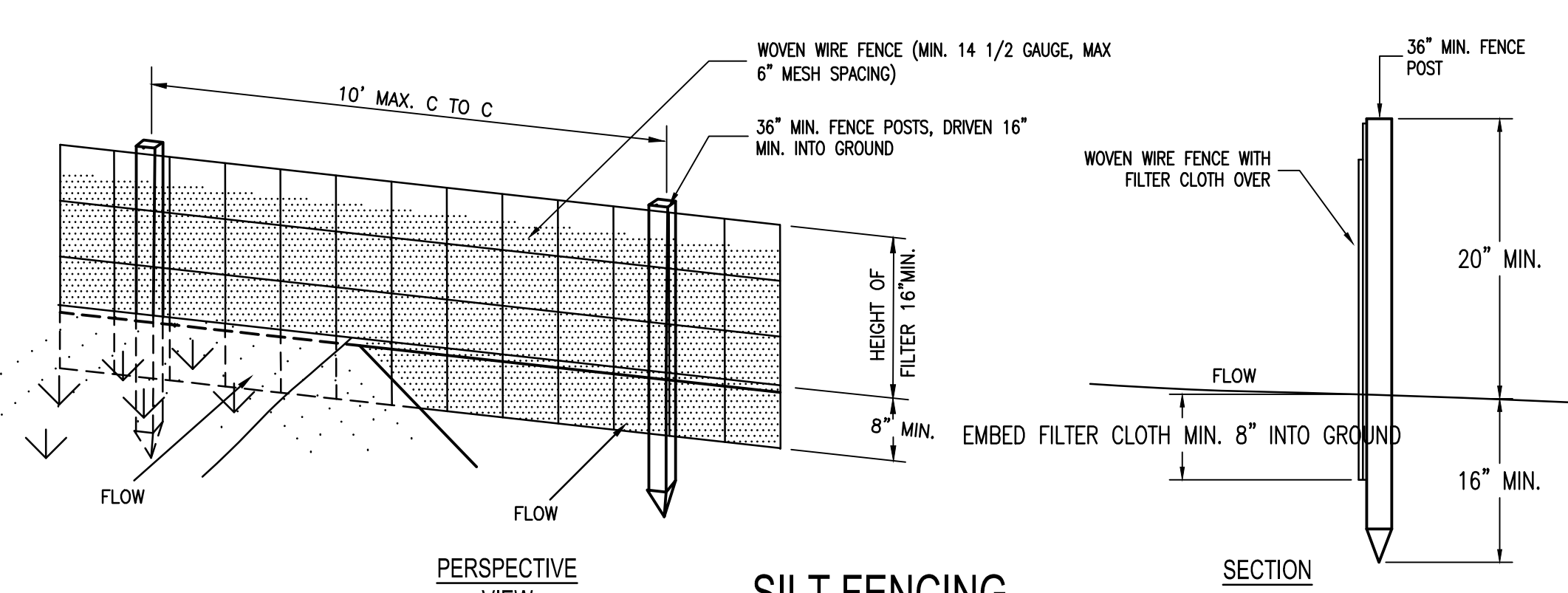
NTS.



IN-PAVEMENT INLET PROTECTION

N.T.S.

- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.

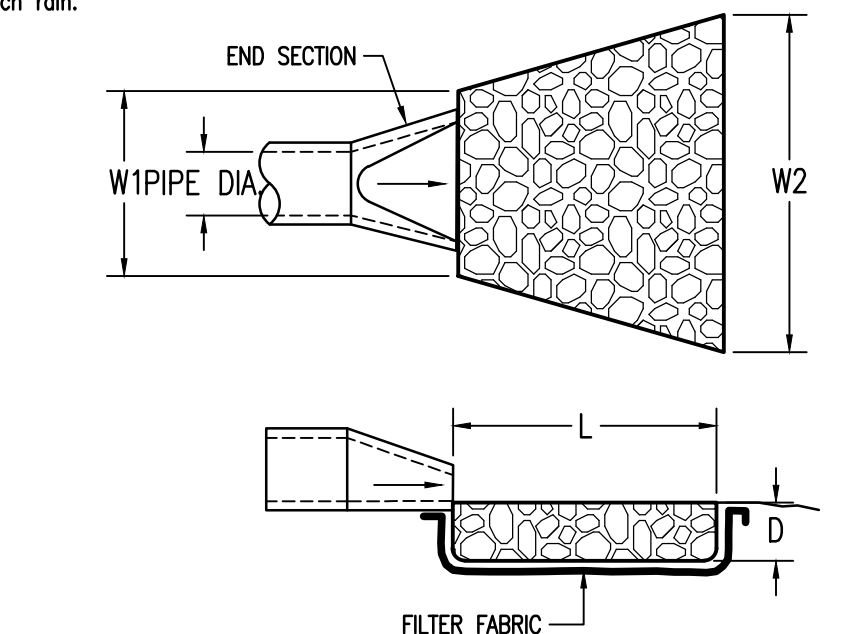


SILT FENCING

NTS.

CONSTRUCTION SPECIFICATIONS FOR FABRICATED SILT FENCE

- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 - Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
 - When two sections of filter cloth adjoin each other they shall be over-lapped by 6" and folded.
 - Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence.
- Posts: Steel either "T" or "U" type or 2" hardwood.
- Fence: Woven wire, 14 1/2 ga. 6" max. mesh opening filter.
- Cloth: Filter x, mirafi 100x, stabi-linka t140n or approved equal, prefabricated unit; geofab, envirofence, or approved equal.

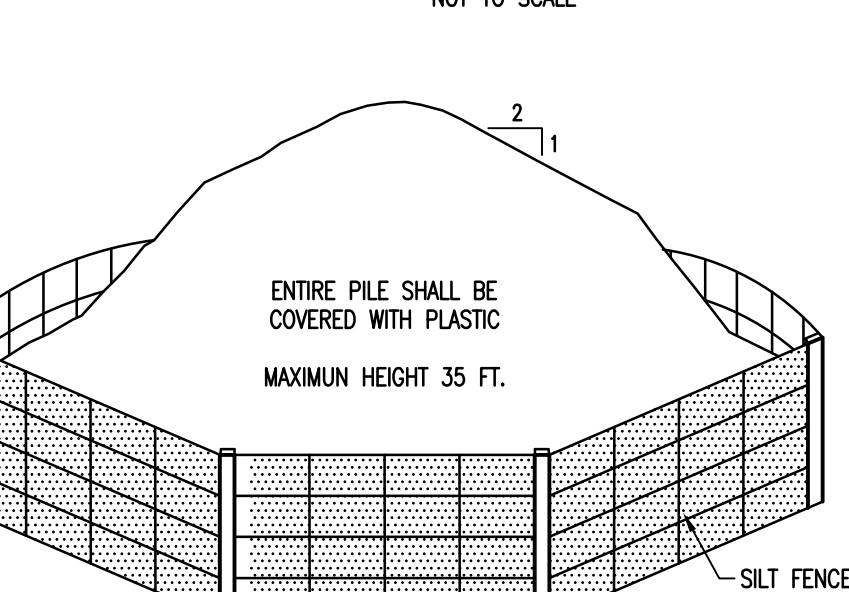


RIP-RAP OUTLET APRON DETAIL

NOT TO SCALE

OUTLET No.	PIPE DIA. (in)	Q (cfs)	V (fps)	STONE DIA. (in)	W1 (ft)	W2 (ft)	L (ft)	D (in)
1-#1	-	-	-	-	-	-	-	-

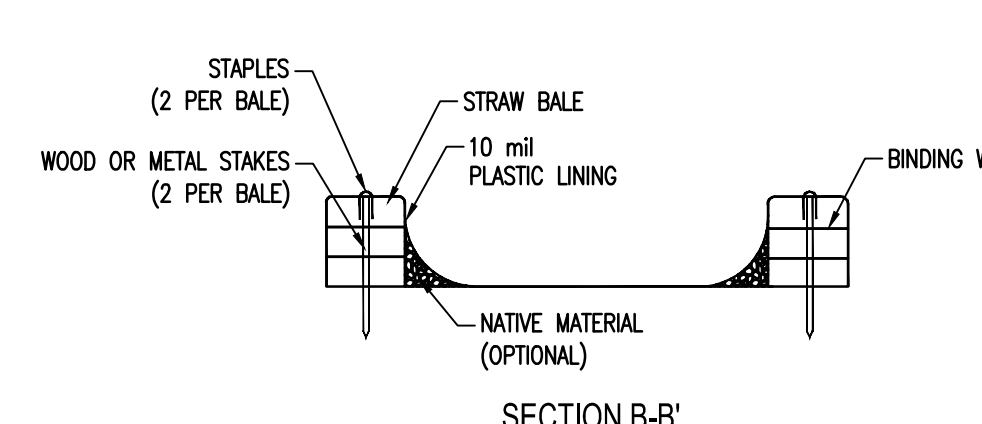
SOIL STOCKPILING NOTES:



SOIL STOCKPILE DETAIL

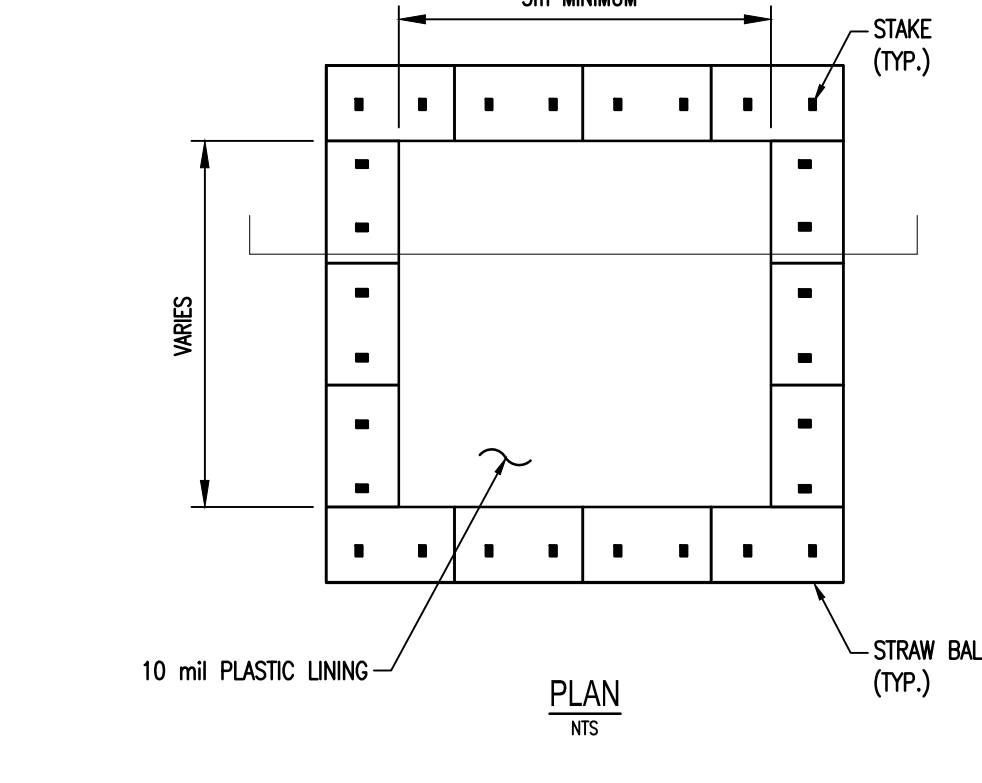
NOT TO SCALE

- AREA FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SIDESLOPES SHALL BE 2:1.
- UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING AND THEN STABILIZED WITH SEED OR SECURED IMPERVIOUS COVER.
- SEE SILT FENCE INSTALLATION DETAIL.
- PLASTIC SHEETING SHALL BE PLACED BELOW ALL STOCKPILE AREAS.



CONCRETE WASHOUT SIGN DETAIL

NTS.



CONCRETE WASHOUT DETAIL

NTS.

SPECIFICATIONS FOR SILT FENCE PROTECTION

- Filter fabric shall have an EOS of 40-85.
- Cut fabric from a continuous roll to eliminate joints. If joints are needed they shall be overlapped to the next stake.
- Stake materials shall be 2"x4" wood or equivalent metal with a minimum length of 3 feet.
- Space stakes evenly around inlet 3 feet apart and drive a minimum 18 inches deep. Spans greater than 3 feet may be bridged with the use of wire mesh behind fabric for support.
- Fabric shall be embedded 1 foot minimum below ground and backfilled. It shall be securely fastened to the stakes and frame.
- A 2"x4" wood frame shall be completed around the crest of the fabric for over flow stability.
- Maximum drainage area 1 acre.
- Inspection shall be frequent and repair or replacement shall be made promptly as needed.

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SEAL

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LANSDING CT, TOMPKINS CO., NEW YORK

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Scale:	As Noted
Date:	11x17 Prints are 1/2 Size
Design By:	November 30, 2020
Drawn By:	JBG, RSN
Checked By:	RSN
Project No.:	JBG
Drawing Name:	2020.062
	20062.dwg

E & S DETAILS

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C15

NYS DOT STANDARD GENERAL PLAN NOTES:

1. THE ROADWAY SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
2. ROADSIDE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.
3. MATERIALS, EQUIPMENT AND VEHICLES SHALL NOT BE STORED OR PARKED WITHIN THE NEW YORK STATE RIGHT-OF-WAY.
4. WORKZONE TRAFFIC CONTROL SHALL COMPLY WITH THE 2009 EDITIONS OF THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE NEW YORK STATE SUPPLEMENT, AND SHALL BE IN ACCORDANCE WITH THE NYS DOT CONTRACT OR HIGHWAY WORK PERMIT DOCUMENTS AND AS DEEMED NECESSARY BY THE NYS ENGINEER IN CHARGE.
5. NOTIFY NEW YORK STATE DEPARTMENT OF TRANSPORTATION RESIDENT ENGINEER AT THE APPLICABLE RESIDENCY, THREE WORKING DAYS PRIOR TO WORKING IN THE STATE RIGHT-OF-WAY.

ONONDAGA EAST ONONDAGA WEST CORTLAND/TOMPKINS OSWEGO CAYUGA/SENECA
315-458-1910 315-672-8151 607-756-7072 315-963-3730 315-539-3112

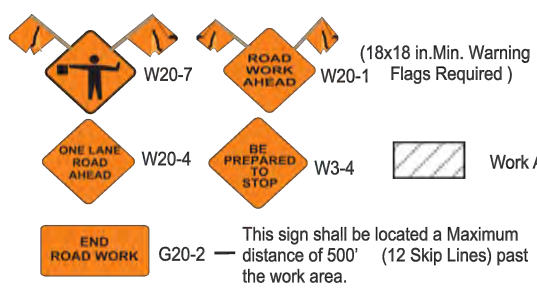
6. NOTIFY DIG SAFELY NEW YORK THREE WORKING DAYS PRIOR TO DIGGING, DRILLING OR BLASTING AT 1-800-962-7962, FOR A UTILITY STAKE-OUT.
7. ALL WORK CONTEMPLATED AND MATERIALS USED WITHIN THE NYS RIGHT-OF-WAY SHALL BE COVERED BY AN IN CONFORMITY WITH THE NYS DEPARTMENT OF TRANSPORTATION MAY 1, 2008 SPECIFICATIONS BOOK AND ANY SUBSEQUENT ADDENDA ALONG WITH ANY APPROPRIATE CURRENT NYS DEPARTMENT OF TRANSPORTATION STANDARD SHEETS, EXCEPT AS MODIFIED IN THESE PLANS AND IN THE ITEMIZED PROPOSAL. METRIC UNITS MAY BE CONVERTED TO ENGLISH.
8. QUALITY CONTROL OF ASPHALT CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 402 OF THE STANDARD SPECIFICATIONS. ASPHALT COURSE DEPTHS SHOWN ON THE PLANS ARE COMPACTED DEPTHS.
9. NO NIGHT WORK WILL BE ALLOWED UNLESS PRIOR APPROVAL IS GIVEN BY THE DEPARTMENT. ADDITIONAL MAINTENANCE AND PROTECTION OF TRAFFIC WILL BE REQUIRED INCLUDING THE ADDITION OF REFLECTIVE MATERIALS AND LIGHTING.
10. HAZARDOUS WASTE NOTIFICATION - THE PERMITTEE ACCEPTS THE RIGHT-OF-WAY OF THE STATE HIGHWAY IN ITS AS IS CONDITION. THE DEPARTMENT OF TRANSPORTATION MAKES NO REPRESENTATION AS THE ABSENCE OF UNDERGROUND TANKS, STRUCTURES, FEATURES OR SIMILAR IMPEDIMENTS TO THE COMPLETION OF THE WORK PERMITTED HEREUNDER. SHOULD PERMITTEE FIND SOME PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS TO IS WORK, THE DEPARTMENT OF TRANSPORTATION SHALL HAVE NO OBLIGATION TO CURE, REMOVE, REMEDY OR OTHERWISE DEAL WITH SUCH A PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS. THE DEPARTMENT WILL PERMIT THE PERMITTEE TO REMOVE, MODIFY OR OTHERWISE DEAL WITH SUCH UNDERGROUND TANKS, STRUCTURE FEATURE OR IMPEDIMENT IF SUCH IS DONE IN A MANNER WHICH MEETS ACCEPTABLE ENGINEERING PRACTICE AND IS PRE-APPROVED BY THE DEPARTMENT OF TRANSPORTATION. SHOULD PERMITTEE DETERMINE THAT SUCH UNFORESEEN UNDERGROUND IMPEDIMENT RENDERS PERMITTEE WORK AS AUTHORIZED BY THIS PERMIT UNFEASIBLE, PERMITTEE SHALL HAVE THE OPTION OF RESTORING THE HIGHWAY TO ITS ORIGINAL CONDITIONS AND NOT PERFORMING SUCH WORK.
11. OPEN CUTTING OF THE ROADWAY SHALL NOT BE ALLOWED UNLESS PERMISSIONS GRANTED IN WRITING, BY THE REGIONAL TRAFFIC ENGINEER.

CONVENTIONAL ROADWAY

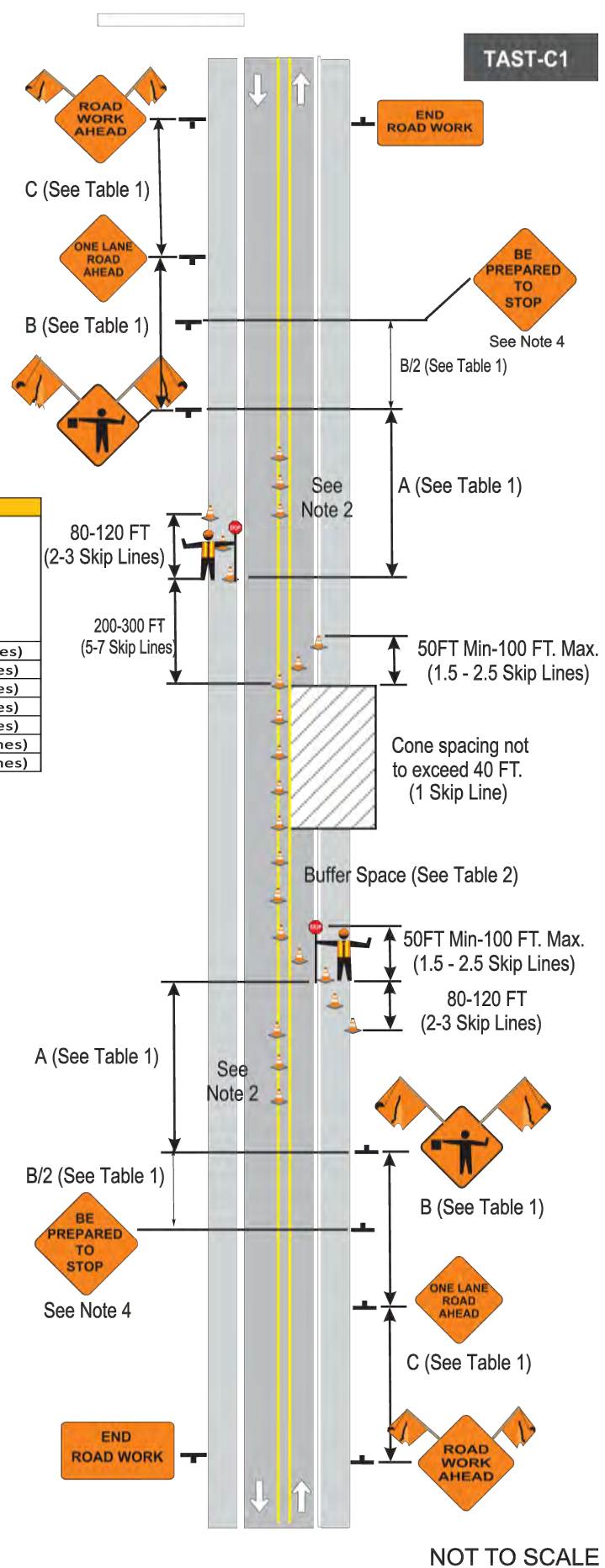
- Notes:
1. In urban conditions, advance warning sign spacings may be adjusted in order to accommodate side streets and driveways.
 2. Coneline cones may be added to enhance the visibility of the flagger station. If cones are used, place them 100 ft. (minimum) from flagger.
 3. Flagger Symbol Sign (W20-7) and "ONE LANE ROAD AHEAD" Sign (W20-4) shall be removed, covered or turned away from road users when flagging operations are not occurring.
 4. Should the traffic queue prior to the advance warning signs, the "BE PREPARED TO STOP" sign can be added to the sign series at location shown or the entire advance warning sign series shall be moved to a location prior to the queued traffic.
 5. If condition warrants, Barrier Vehicle with appropriate roll ahead distance may be used in advance of the work area. To use Barrier Vehicle, Buffer Space shall be provided accordingly.
 6. For moving flagging operation, refer to TAST-CMF.

Roadway	PRECONSTRUCTION SPEED LIMIT (MPH)	DISTANCE BETWEEN SIGNS		
		A (FT.)	B (FT.)	C (FT.)
URBAN LOW (30 MPH)	30	100	100	100
URBAN (35-40 MPH)	35	200	200	200
URBAN HIGH (45 MPH)	45	350	350	350
RURAL	50	500	500	500

SIGN	CONVENTIONAL HIGHWAY	FREEWAY/EXPRESSWAY
W20-7	30x36 in.	48x48 in.
W20-1	30x36 in.	48x48 in.
W20-4	30x36 in.	48x48 in.
W3-4	30x36 in.	48x48 in.
G20-2	30x18 in.	48x24 in.



NYS DOT WORK ZONE TRAFFIC CONTROL
SHORT TERM STATIONARY OPERATION INVOLVING DAYTIME LANE CLOSURE WITH FLAGGERS ON TWO LANE CONVENTIONAL ROADWAY
DECEMBER 2019 TAST-C1



CONVENTIONAL ROADWAY

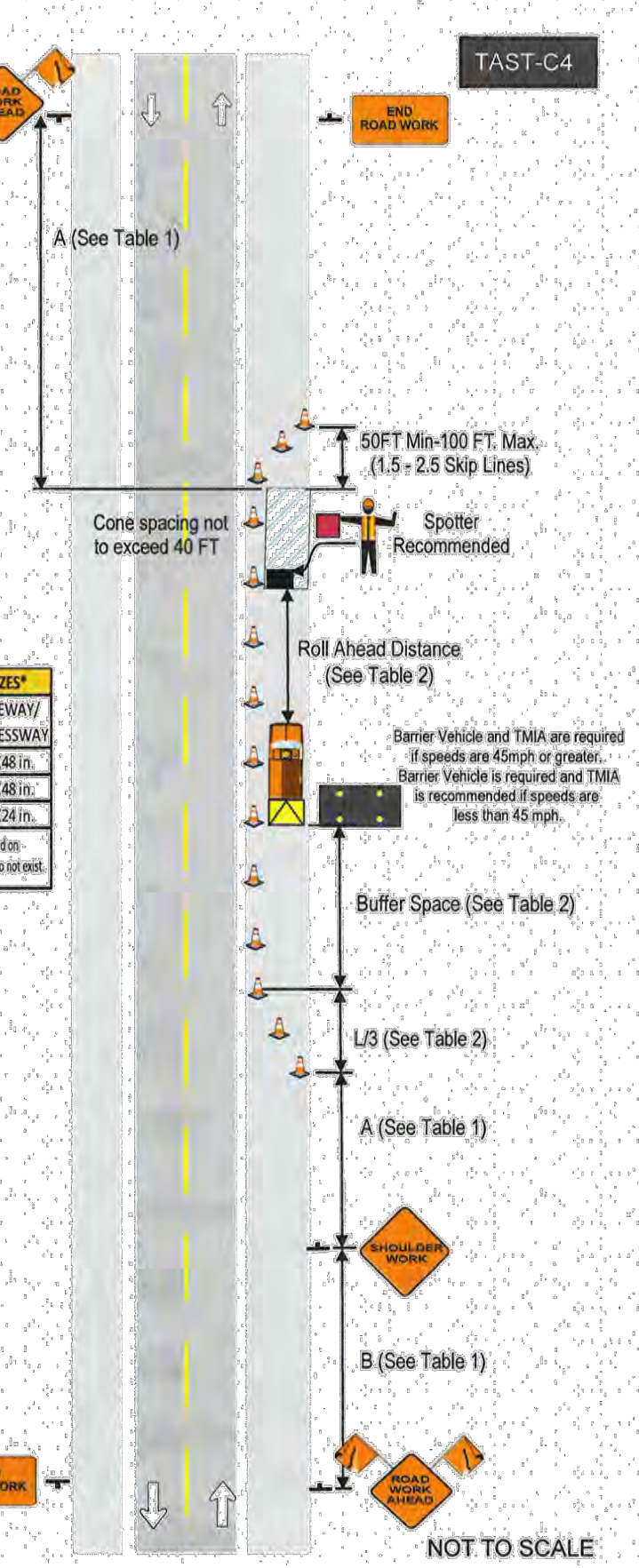
- Notes:
1. Short-term stationary is daytime work that occupies a location for more than 1 hour within a single daylight period.
 2. The Barrier Vehicle (and Advance Warning Vehicle(s) where appropriate) shall maintain the appropriate Roll-Ahead Distance, be an unoccupied truck, positioned parallel to traffic, parking brake set, placed in 2nd gear (Park / Neutral), have the wheels aligned with the lane striping and lane to maintain lane discipline and to stay in lane if struck.
 3. There shall be no workers, equipment or other vehicles in the buffer space or the roll ahead distance.

Roadway	PRECONSTRUCTION SPEED LIMIT (MPH)	DISTANCE BETWEEN SIGNS	
		A (FT.)	B (FT.)
URBAN LOW (30 MPH)	30	100	100
URBAN (35-40 MPH)	35	200	200
URBAN HIGH (45 MPH)	45	350	350
RURAL	50	500	500

SIGN	CONVENTIONAL HIGHWAY	FREEWAY/EXPRESSWAY
W20-1	30x36 in.	48x48 in.
W20-2	30x36 in.	48x48 in.
W20-3	30x36 in.	48x48 in.
W20-4	30x36 in.	48x48 in.
W20-5	30x36 in.	48x48 in.



NYS DOT WORK ZONE TRAFFIC CONTROL
SHORT TERM STATIONARY OPERATION INVOLVING SHOULDER CLOSURE WITHOUT LANE ENCRoACHMENT ON TWO LANE CONVENTIONAL ROADWAY
DECEMBER 2019 TAST-C4



NYS DOT WZTC NOTES:

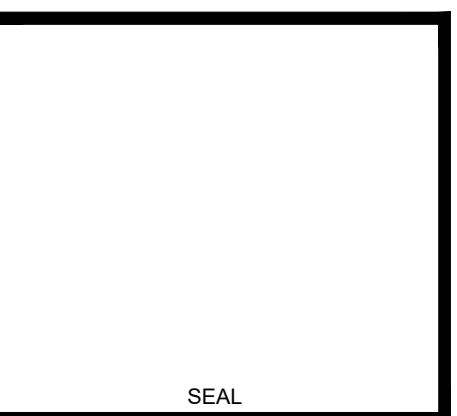
1. WHERE NOT SHOWN IN THE WZTC PLANS OR OTHERWISE AUTHORIZED BY NYS DOT (OR THE ENGINEER), TRAVEL LANE WIDTHS IN WORK ZONES SHALL BE A MINIMUM OF 11 FT ON FREEWAYS, RAMPS, EXPRESSWAYS AND MULTI-LANE CONVENTIONAL ROADWAYS AND 10 FT ON ALL OTHER CONVENTIONAL ROADWAYS.
2. WORK ZONES SHALL BE RESTRICTED TO ONE SIDE OF THE ROADWAY AT A TIME IN EACH DIRECTION ON DIVIDED ROADWAYS, UNLESS APPROVED BY THE ENGINEER.
3. THE CONTRACTOR SHALL SCHEDULE WORK SO THAT ALL TRAVEL LANES AND RAMPS IN EACH DIRECTION ARE OPEN WHEN THE CONTRACTOR'S OPERATIONS ARE CLOSED DOWN OR SUBSTANTIALLY CLOSED DOWN.
4. DAILY CLOSURES MAY OCCUR OFF OF LONG-TERM CLOSURES AND SHALL BE SUBJECT TO DAILY CLOSURE RESTRICTIONS.
5. WORK ZONES SHALL BE RESTRICTED TO ONE SIDE OF THE ROADWAY AT A TIME ON UNDIVIDED HIGHWAYS.
6. WHEN A PEDESTRIAN APPROACHES A FLAGGER STATION, THE FLAGGER SHALL STOP TRAFFIC AND DIRECT THE PEDESTRIAN TO A SAFE ROUTE THROUGH THE WORK AREA. FLAGGERS SHALL COORDINATE THE FLAGGING OF THE WORK ZONE TO ENSURE PEDESTRIANS CAN SAFELY PROCEED THROUGH THE AREA. IF THERE IS MORE THAN THE OCCASIONAL PEDESTRIAN WITHIN THE PROJECT LIMITS, REFER TO THE SITE SPECIFIC PEDESTRIAN WZTC PLAN.
7. DAILY LANE, RAMP AND SHOULDER CLOSURES SHALL NOT BE PERMITTED ON STATE OWNED ROADWAYS DURING MAJOR HOLIDAYS. FOR A LIST OF THE MAJOR HOLIDAYS, SEE SPECIAL NOTE IN THE CONTRACT PROPOSAL FOR TEMPORARY LANE CLOSURE RESTRICTIONS FOR MAJOR HOLIDAYS.

2022

- 6:00 AM THURSDAY, DECEMBER 20, 2021 THRU 6:AM MONDAY, JANUARY 3, 2022 - (NEW YEAR'S HOLIDAY)
6:00 AM FRIDAY, MAY 27, 2022 THRU 6:00 AM TUESDAY, MAY 31, 2022 - (MEMORIAL DAY HOLIDAY)
6:00 AM FRIDAY, JULY 1, 2022 THRU 6:00 AM TUESDAY, JULY 5, 2022 - (JULY 4TH HOLIDAY)
6:00 AM FRIDAY, SEPTEMBER 2, 2022 THRU 6:00 AM TUESDAY, SEPTEMBER 6, 2022 - (LABOR DAY HOLIDAY)
6:00 AM WEDNESDAY, NOVEMBER 23, 2022 THRU 6:00 AM MONDAY, NOVEMBER 28, 2022 - (THANKSGIVING HOLIDAY)
6:00 AM FRIDAY, DECEMBER 23, 2022 THRU 6:00 AM TUESDAY, DECEMBER 27, 2022 - (CHRISTMAS HOLIDAY)
6:00 AM FRIDAY, DECEMBER 30, 2022 THRU 6:00 AM TUESDAY, JANUARY 3, 2022 - (NEW YEAR'S HOLIDAY)
8. ALL CHANNELIZING DEVICES SHALL BE PLACED SO AS TO PROVIDE A 2-FOOT LATERAL CLEARANCE TO THE TRAVELED WAY UNLESS OTHERWISE SHOWN ON THE PLANS. WHERE POSSIBLE A LATERAL BUFFER SPACE OF 2-FOOT MINIMUM SHALL BE PROVIDED BETWEEN THE WORK SPACE AND THE CHANNELIZING DEVICES.
 9. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL BE 40' MAXIMUM FOR POSTED SPEED LIMITS 40 MPH OR GREATER AND 20' MAXIMUM FOR POSTED SPEED LIMITS 35 MPH OR LESS.
 10. STANDARD CONES AND TUBULAR MARKERS SHALL NOT BE USED FOR CHANNELIZATION AND DELINEATION DURING THE HOURS OF DARKNESS, WHICH IS DEFINED AS THE PERIOD BETWEEN SUNSET AND SUNRISE.
 11. ALL CONSTRUCTION SIGN SHALL BE MOUNTED AT A HEIGHT OF 7 FEET ABOVE THE EDGE OF TRAVEL TIME.
 12. SIGNS SHALL NOT ENCRoACH MORE THAN 4" INTO SHOULDERS USED BY PEDESTRIANS OR BICYCLES.
 13. WHERE SHOULDER WIDTHS ARE LIMITED AND SIGNS CANNOT BE ERECTED BEYOND THE SHOULDER, CONSTRUCTION SIGNES MAY NEED TO BE MOUNTED ON CONCRETE MEDIAN BARRIERS, BRIDGE PARAPETS, ETC..
 14. THE CONTRACTOR'S FAILURE TO COMPLY WITH THE REQUIREMENTS AS STATED ABOVE WILL BE CONSIDERED UNSATISFACTORY TEMPORARY WORK ZONE TRAFFIC CONTROL. PAYMENT WILL BE WITHHELD FOR THE VARIOUS CONTRACT ITEMS WHICH CONTAIN WORK ZONE TRAFFIC CONTROL PROVISIONS IN ACCORDANCE WITH TABLE 619-7 FOR EACH DAY THAT A FAILURE TO COMPLY OCCURS. FAILURE TO COMPLY WILL ALSO RESULT IN THE ASSESSMENT OF LIQUIDATED DAMAGES FOR EACH VIOLATION.
 15. THE CONTRACTOR SHALL BE AWARE THAT THE WORK ZONE TRAFFIC CONTROL IS A VERY CRITICAL ITEM OF THE PERMIT AND SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 "WORK ZONE TRAFFIC CONTROL" OF THE STANDARD SPECIFICATIONS, THE 2009 EDITION OF THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE NEW YORK STATE SUPPLEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORK ZONE TRAFFIC CONTROL AT ALL TIMES FOR THE DURATION OF THE PERMITTED WORK.
 16. ACTUAL FIELD CONDITIONS MAY REQUIRE OTHER SIGNS AND OTHER ARRANGEMENTS OF SIGNS. DISTANCES SHALL BE ADAPTED TO PREVAILING CONDITIONS. SIGNS SHALL BE LOCATED TO PROVIDE OPTIMUM VISIBILITY. SIGNS THAT RE NOT APPLICABLE SHALL BE COVERED OR OBSCURED FROM SIGHT. ALL SIGN NUMBERS REFER TO THE 2009 EDITION OF THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE NEW YORK STATE SUPPLEMENT.
 17. PEDESTRIAN ACCOMMODATIONS SHALL BE MAINTAINED FOR THE DURATION OF THE PROPOSED WORK. ANY DISTURBED AREAS WITHIN THE STATE RIGHT-OF-WAY SHALL BE ADEQUATELY FENCED TO PREVENT PEDESTRIAN ACCESS WHEN THE CONTRACTOR'S OPERATIONS ARE SHUT DOWN.
 18. MATERIALS, EQUIPMENT AND VEHICLES SHALL NOT BE STORED OR PARKED WITHIN THE STATE RIGHT-OF-WAY BEFORE WORK BEGINS OR AFTER CONTRACTOR'S OPERATIONS ARE SHUT DOWN. STAGING AREAS OUTSIDE THE RIGHT-OF-WAY SHALL BE USED TO STOCKPILE ALL CONSTRUCTION MATERIALS. DURING WORKING HOURS, NO CONSTRUCTION MATERIAL MAY BE STORED OR PLACED ON THE ROADWAY OR ROADBED EXCEPT WITHIN A PROTECTED WORK AREA.
 19. VEHICLES BELONGING TO THE CONTRACTOR OR WORKERS SHALL NOT BE PARKED WITHIN 30 FEET OF THE EDGE OF PAVEMENT ALONG A ROADWAY BEING USED BY THE GENERAL PUBLIC UNLESS THEY ARE PARKED WITHIN A PROTECTED WORK AREA. DURING NON-WORKING HOURS, CONSTRUCTION EQUIPMENT AND MATERIALS SHALL NOT BE STORED WITHIN 30 FEET OF THE EDGE OF PAVEMENT.
 20. W20-7A "FLAGGER" SIGNS SHALL BE USED WHENEVER FLAGGING OCCURS FOR MORE THAN A BRIEF PERIOD OF TIME. THE SIGNS SHALL BE PROMPTLY REMOVED, COVERED, OR FACED WAY FROM THE TRAFFIC WHEN THE FLAGGING OPERATION CEASES. ALL FLAGGING STATIONS AND LANE CLOSURES SHOULD BE LOCATED TO ENSURE MAXIMUM VISIBILITY.
 21. NO DROP-OFF GREATER THAN SIX INCHES SHALL BE LEFT OVERNIGHT WITHIN 30 FEET OF THE EDGE OF PAVEMENT. DROP-OFFS LESS THAN SIX INCHES WILL BE PERMITTED IF PROPER DELINEATION AND SIGNING IS PROVIDED, AND PRIOR PERMISSION IS GRANTED IN WRITING BY A REPRESENTATIVE OF THE DEPARTMENT. A DROP-OFF IS CONSIDERED ELIMINATED IF TAPERED AWAY BY A 1 ON 6 SLOPE OR FLATTER.
 22. CARE SHALL BE TAKEN TO INSURE THAT NO DAMAGE OCCURS TO THE EXISTING PAVEMENT/SOULDER/CURB AREAS AS A RESULT OF CONSTRUCTION EQUIPMENT MOVEMENT.
 23. THE CONTRACTOR MAY SUBMIT REVISIONS TO THIS PLAN FOR APPROVAL, BUT ANY CHANGE THAT ALTERS THE BASIC CONCEPTS OF THE PLAN MUST BE APPROVED BY THE NYS DOT REGIONAL DIRECTOR OR HIS DESIGNEE.

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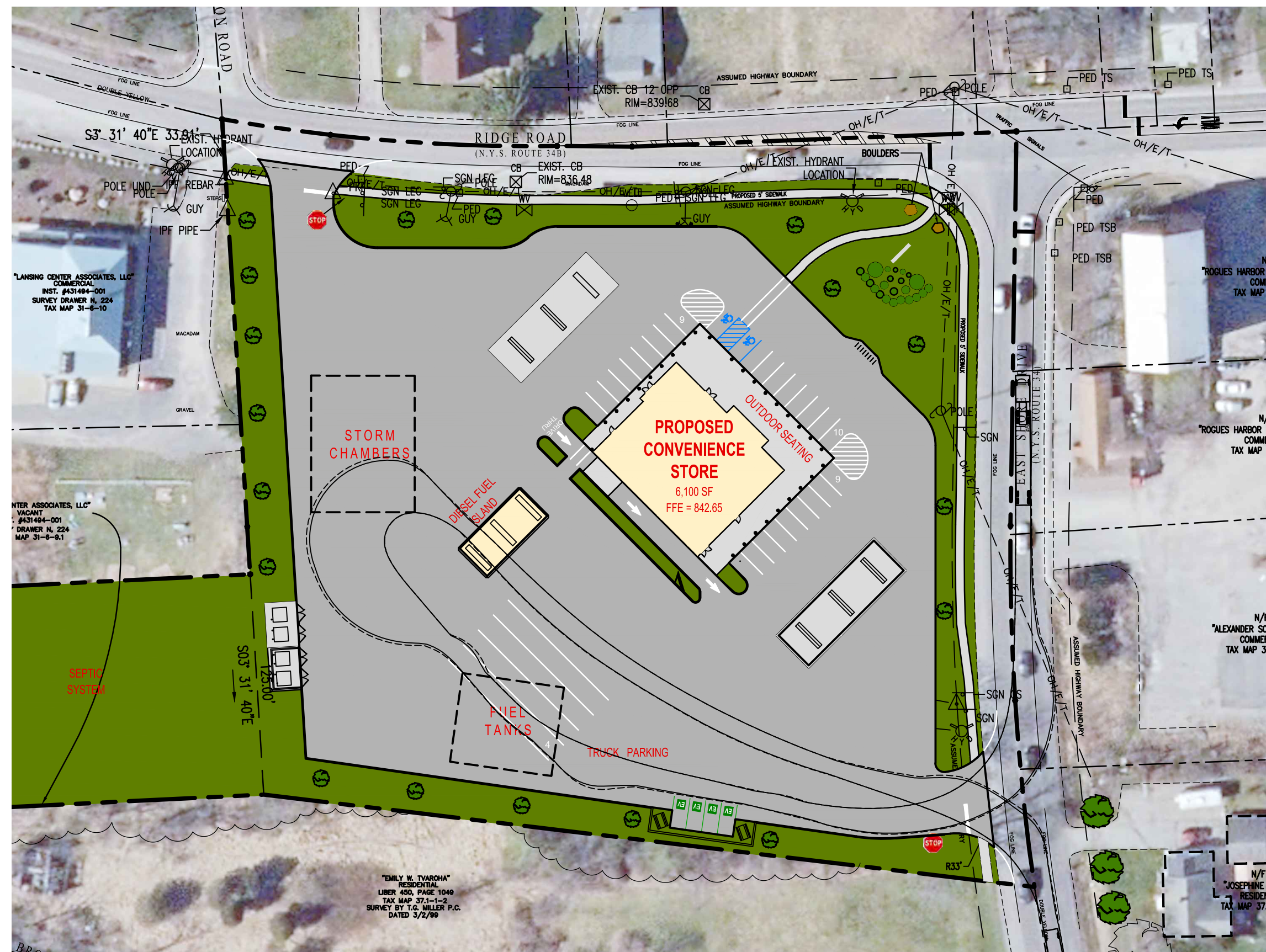
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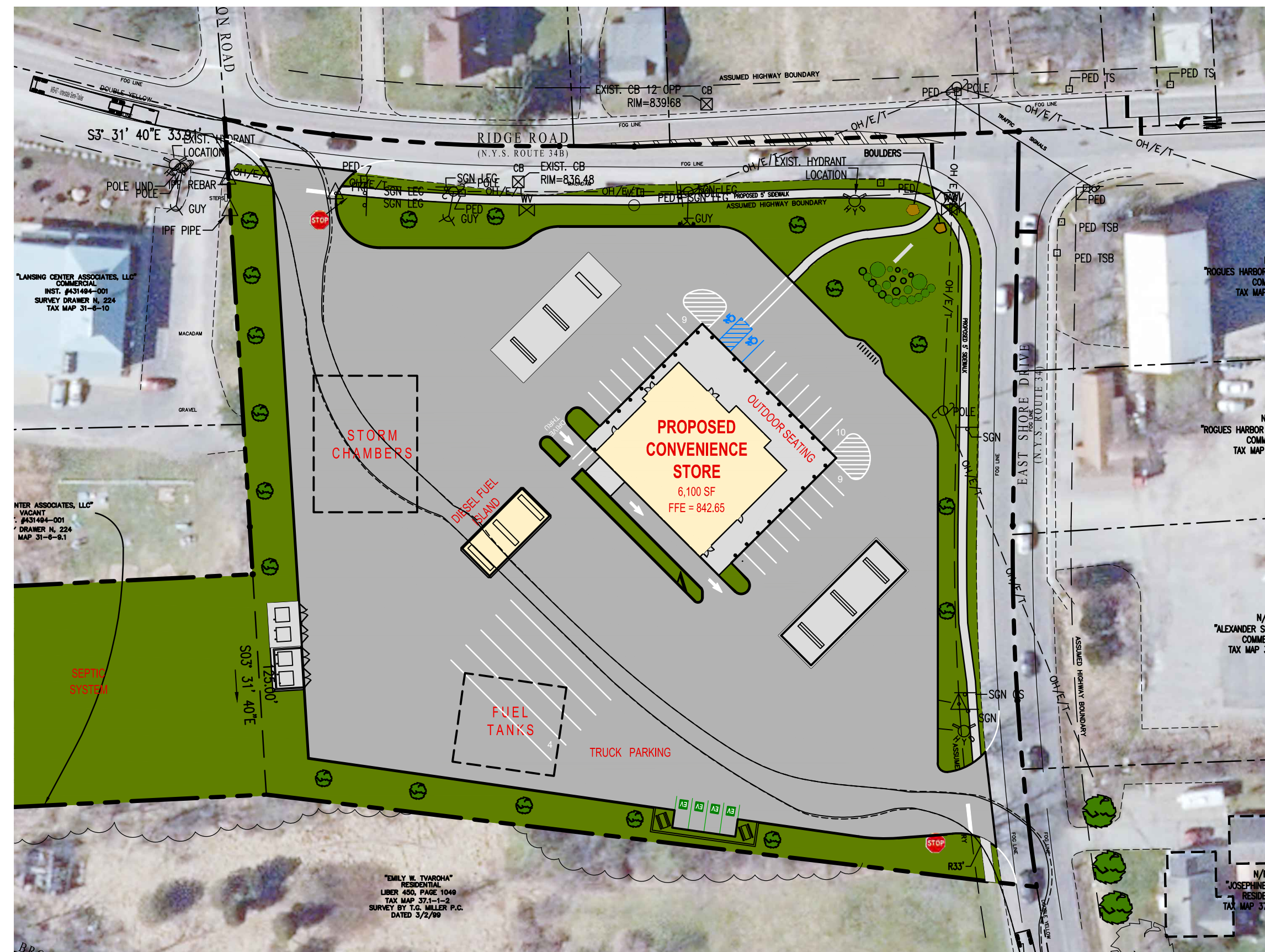
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NYS DOT DETAILS
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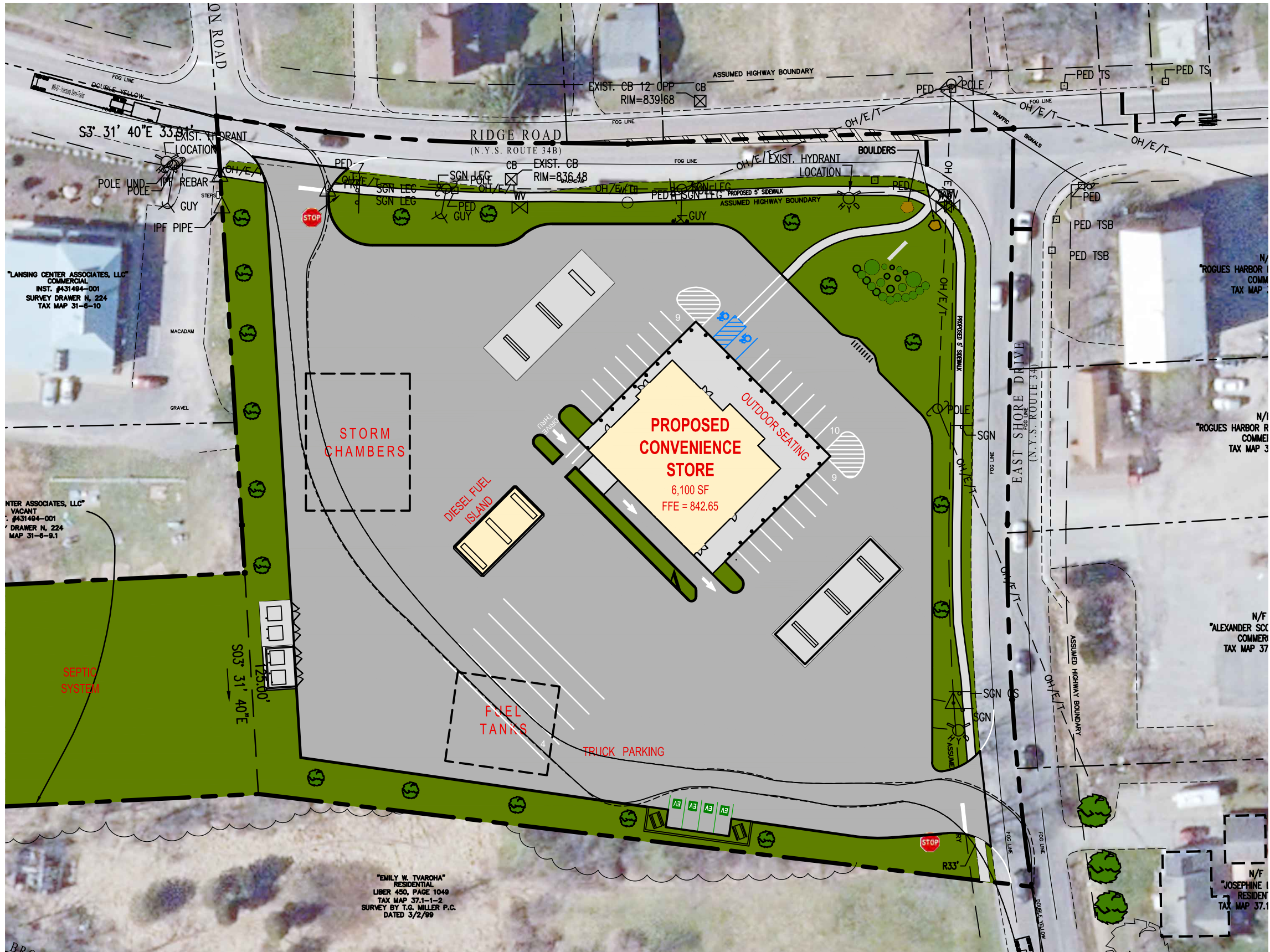
**TRUCK PATH FOR FUEL AND PARKING
FROM EAST ENTRANCE**

NTS.



**TRUCK PATH FOR FUEL FROM WEST
ENTRANCE**

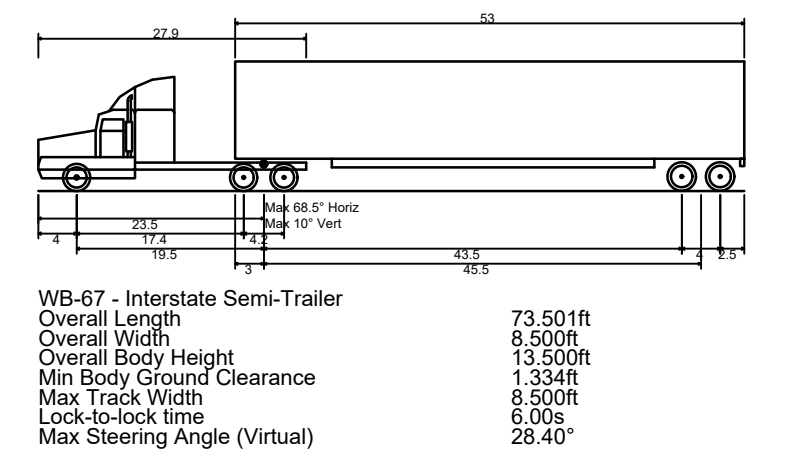
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**TRUCK PATH FOR PARKING FROM
WEST ENTRANCE**

NTS.

LEGEND	
---	PROPERTY LINE
- - - -	EXISTING EASEMENT
- - - -	EXISTING EDGE OF ROADWAY
- - - -	EXISTING CURB LINE
- - - -	EXISTING SANITARY SEWER
- - - -	EXISTING GAS MAIN
- - - -	EXISTING UTILITY LINE
- - - -	EXISTING FENCE LINE
- - - -	EXISTING WATER LINE
- - - -	EXISTING CONTOUR LINE
- - - -	PROPOSED LIMIT OF DISTURBANCE
- - - -	PROPOSED CONTOUR LINE
- - - -	PROPOSED EASEMENT
- - - -	PROPOSED STORM SEWER
- - - -	PROPOSED EDGE OF ROADWAY
- - - -	PROPOSED CURB LINE
- - - -	PROPOSED SANITARY SEWER
- - - -	PROPOSED GAS LINE
- - - -	PROPOSED UTILITY LINE
- - - -	PROPOSED WATER LINE
- - - -	PROPOSED SILT FENCE
- - - -	PROPOSED COMPOST SOCK
SHH	EXISTING SANITARY MANHOLE
SHH	EXISTING FIRE HYDRANT ASSEMBLY
SHH	EXISTING CLEANOUT
SHH	EXISTING SPOT ELEVATION
SHH	PROPOSED SANITARY MANHOLE
SHH	PROPOSED WATER VALVE
SHH	PROPOSED THRUST BLOCK
SHH	PROPOSED FIRE HYDRANT ASSEMBLY
SHH	PROPOSED CLEANOUT
SHH	PROPOSED LIGHTING FIXTURE
SHH	PROPOSED SPOT ELEVATION
SHH	PROPOSED DRYWELL
SHH	PROPOSED CATCH BASIN
SHH	PROPOSED INLET PROTECTION
SHH	PROPOSED TOP/BOTTOM CURB



TRUCK PROFILE
SCALE: 1"=20'

Note:
Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
Call three days before you dig!
1-800-962-7962
Dig Safely New York
(non-members must be contacted separately)

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MINI-MART**
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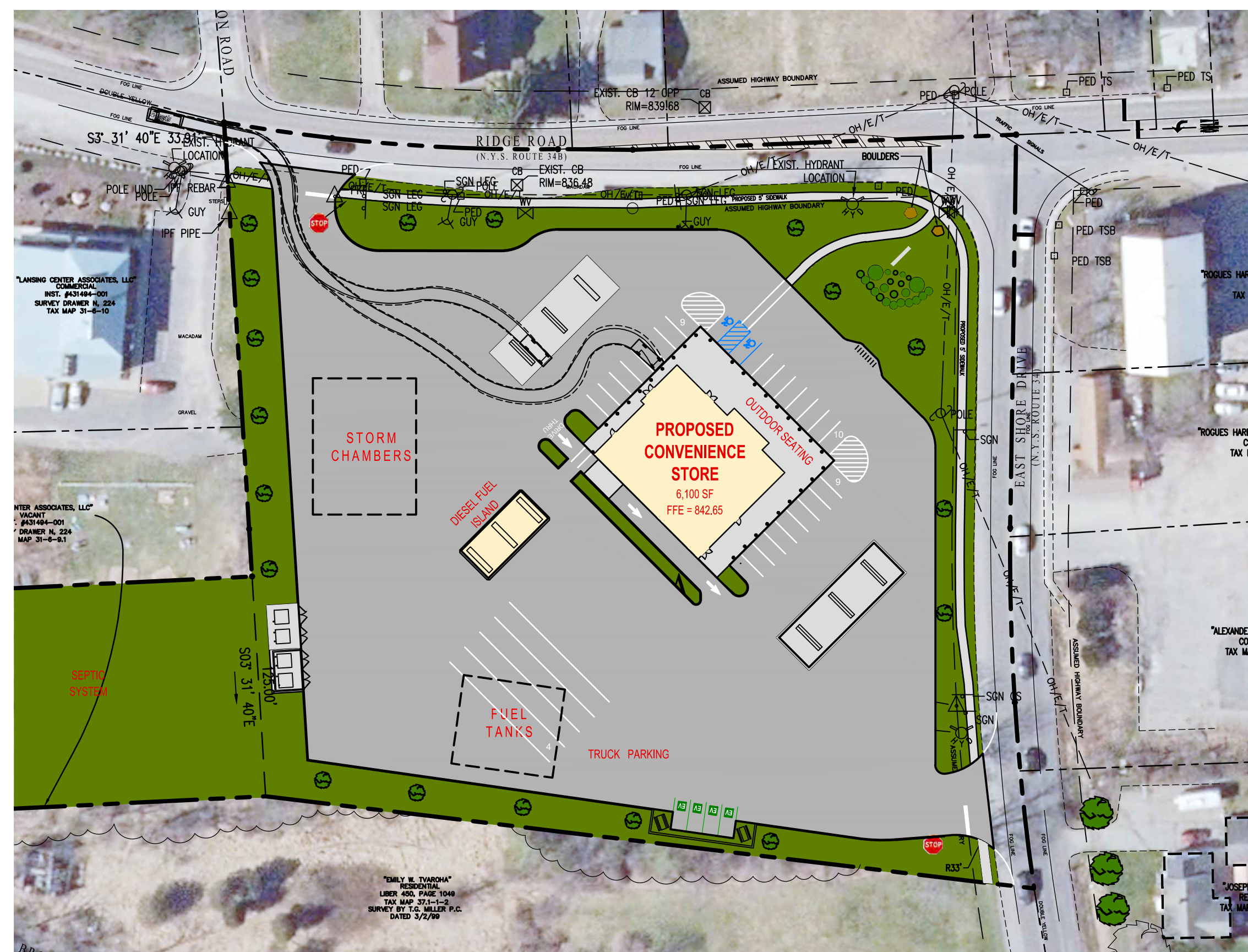
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Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
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TRUCK TURN
C17



PASSENGER CAR PATH FOR
DRIVE-THRU FROM WEST ENTRANCE

NTS.



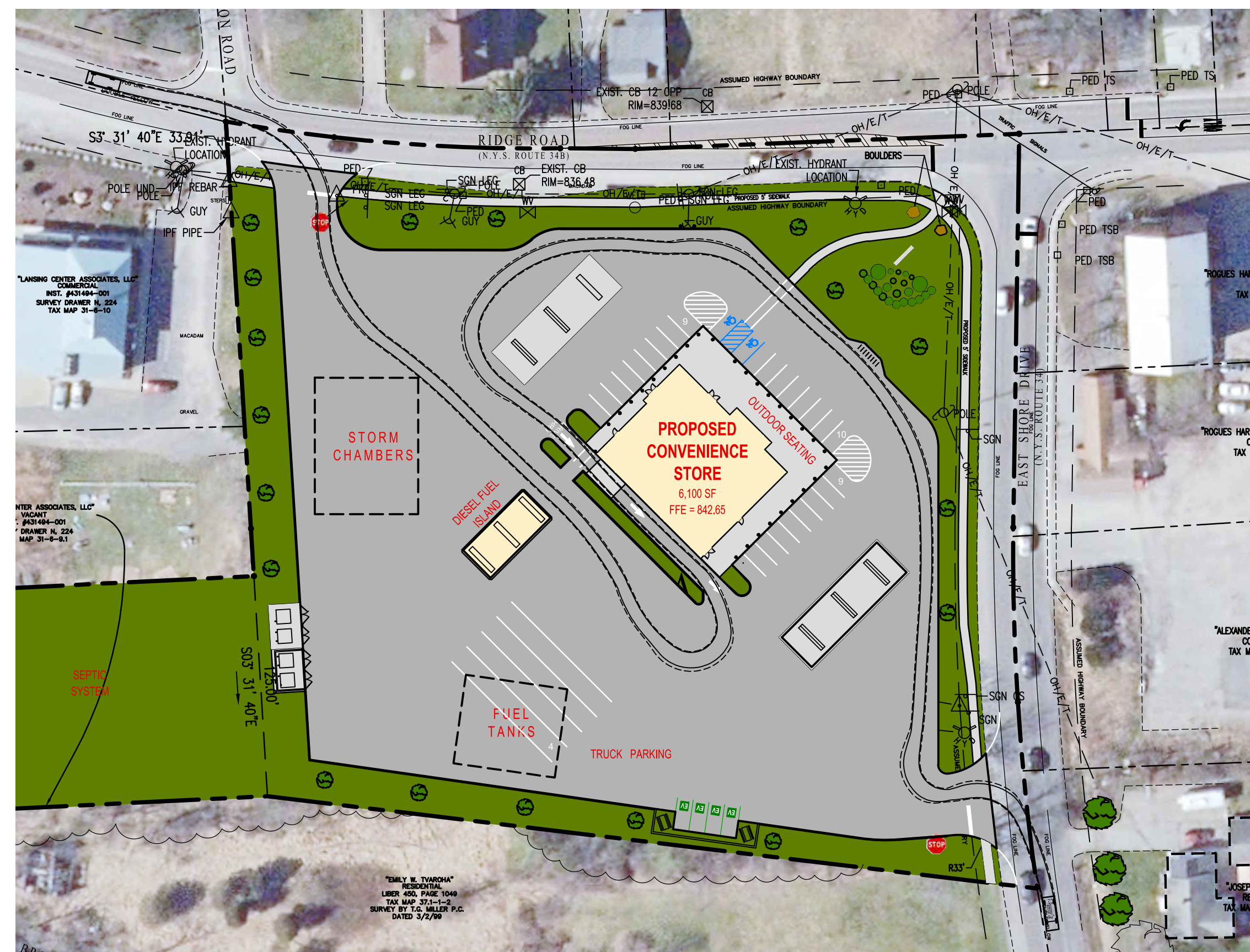
PASSENGER CAR PATH FOR FUEL AND
PARKING FROM WEST ENTRANCE

NTS.



PASSENGER CAR PATH FOR FUEL AND
PARKING FROM EAST ENTRANCE

NTS.

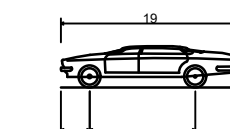


PASSENGER CAR PATH FOR
DRIVE-THRU FROM EAST ENTRANCE

NTS.



LEGEND	
---	PROPERTY LINE
- - - -	EXISTING EASEMENT
- - - -	EXISTING EDGE OF ROADWAY
- - - -	EXISTING CURB LINE
- - - -	EXISTING SANITARY SEWER
- - - -	EXISTING GAS MAIN
- - - -	EXISTING UTILITY LINE
- - - -	EXISTING FENCE LINE
- - - -	EXISTING WATER LINE
- - - -	EXISTING CONTOUR LINE
- - - -	PROPOSED LIMIT OF DISTURBANCE
- - - -	PROPOSED CONTOUR LINE
- - - -	PROPOSED EASEMENT
- - - -	PROPOSED SEWER
- - - -	PROPOSED EDGE OF ROADWAY
- - - -	PROPOSED CURB LINE
- - - -	PROPOSED SANITARY SEWER
- - - -	PROPOSED GAS LINE
- - - -	PROPOSED UTILITY LINE
- - - -	PROPOSED WATER LINE
- - - -	PROPOSED SILT FENCE
- - - -	PROPOSED COMPOST SOCK
○	EXISTING SANITARY MANHOLE
○	EXISTING FIRE HYDRANT ASSEMBLY
○	EXISTING CLEANOUT
○	EXISTING SPOT ELEVATION
○	PROPOSED SANITARY MANHOLE
○	PROPOSED WATER VALVE
○	PROPOSED THRUST BLOCK
○	PROPOSED FIRE HYDRANT ASSEMBLY
○	PROPOSED CLEANOUT
○	PROPOSED LIGHTING FIXTURE
○	PROPOSED SPOT ELEVATION
○	PROPOSED DRYWELL
○	PROPOSED CATCH BASIN
○	PROPOSED INLET PROTECTION
○	PROPOSED TOP/BOTTOM CURB



P - Passenger Car
Overall Length
Overall Width
Overall Body Height
Min Body Ground Clearance
Track Width
Lock-to-lock time
Max Steering Angle (Virtual)

CAR PROFILE
SCALE: 1"=20'

Note:
Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
Call three days before you dig!
1-800-962-7962
Dig Safely New York
(non-members must be contacted separately)

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Rev.	Date	Revision Description
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation of the New York Education Law, Article 145 Section 7209, For Any Person, Unless He is Acting Under the Direction Of A Licensed Professional Engineer Or Land Surveyor To Alter An Item in Any Way, If An Item Bearing The Seal Of An Engineer Or Land Surveyor is Altered, The Altering Engineer Or Land Surveyor Shall Affix To The Item His Seal And The Notation "Altered By Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

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LANSEING CT., TOMPKINS CO., NEW YORK

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Scale: 1"=60'
11x17 Prints are 1/2 Size
Date: November 30, 2020
Design By: JBG, RSN
Drawn By: RSN
Checked By: JBG
Project No.: 2020.062
Drawing Name: 20062.dwg

**PASSENGER CAR
TURN**
C18