

151 GETTYSBURG PIKE
UPPER ALLEN TOWNSHIP
CUMBERLAND COUNTY, PENNSYLVANIA

SIGNATURE OF THE INDIVIDUAL _____ MY COMMISSION EXPIRES _____, _____
SIGNATURE AND SEAL OF THE NOTARY PUBLIC _____
OR OTHER OFFICER AUTHORIZED TO ACKNOWLEDGE DEEDS _____

CHAIRMAN _____

SECRETARY _____

I, JOHN K. MURPHY, P.E., ON _____ 2024,
 HAVE REVIEWED AND HEREBY CERTIFY THAT THE STORMWATER MANAGEMENT
 SITE PLAN MEETS ALL DESIGN STANDARDS AND CRITERIA OF THE UPPER
 ALLEN TOWNSHIP STORMWATER MANAGEMENT ORDINANCE, AND THAT
 ACCORDING TO GEOLOGIC MAPPING, THIS SITE IS NOT DIRECTLY UNDERLAIN
 BY LULU.
 I HEREBY CERTIFY THIS PLAN TO BE CORRECT AS SHOWN, AND THAT ALL ELEMENT
 OF THE PLAN ARE IN CONFORMITY WITH TOWNSHIP CODE AND ANY APPLICABLE STA
 REGULATIONS.

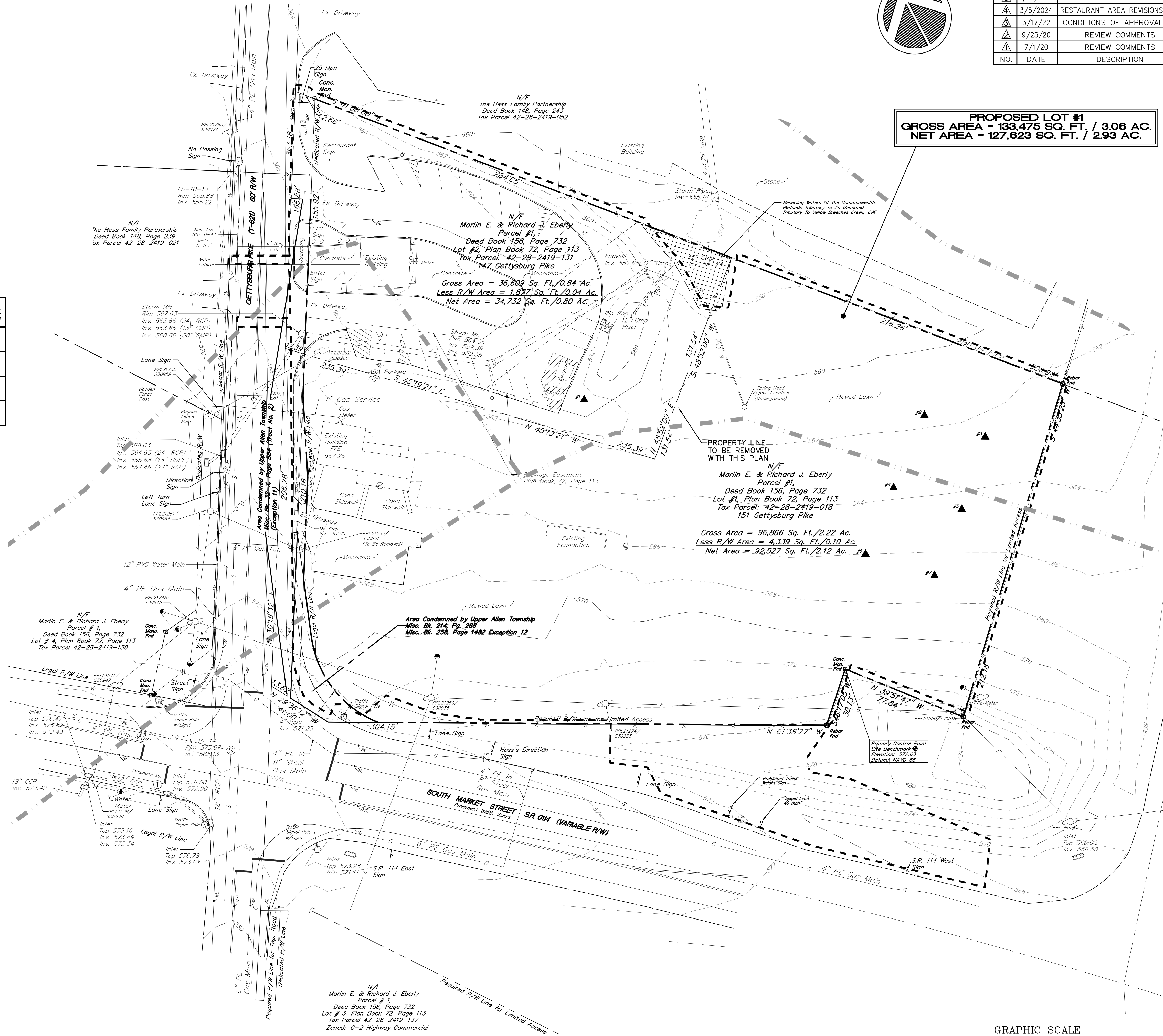
● CABLE	COMCAST CABLE COMMUNICATIONS INC. 4601 SMITH ST. HARRISBURG, PA 17109 TELEPHONE: 717-651-1915	● SANITARY SEWER	TOWNSHIP OF UPPER ALLEN 100 GETTYSBURG PIKE MECHANICSBURG, PA 17055 TELEPHONE: 717-766-0756
● ELECTRIC	PPL ELECTRIC UTILITIES 642 S 20TH ST. HARRISBURG, PA 17104-2222 TELEPHONE: 1-570-348-1509	● TELEPHONE	VERIZON PENNSYLVANIA LLC 15 E MONTGOMERY AVE PITTSBURGH, PA 15212
● GAS	UGI UTILITIES INC. 1301 AP DR. MIDDLETOWN, PA 17057-5923 TELEPHONE: 717-930-0087	● WATER SERVICE	VEOLIA 6310 ALLENTOWN BOULEVARD SUITE 104 HARRISBURG, PA 17112 TEL: (717) 564-3664

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ALPHA CONSULTING ENGINEERS, INC.
PLANNING • ENGINEERING • SURVEYING
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NEW CUMBERLAND, PA 17070
PHONE: (717) 770 - 2500
FAX: (717) 770 - 2400
WWW.ALPHACEI.COM

SOIL SYMBOL	SOIL DESCRIPTION	SLOPE (%)	DEPTH TO HIGH WATER TABLE PER S.C.S. SOIL SURVEY	DEPTH TO BEDROCK PER S.C.S. SOIL SURVEY	HYDROLOGIC SOIL GROUP
BdB	Bedington shaly Silt Loam	3-8	5'+	40"+	B
BdC	Bedington shaly Silt Loam	8-15	5'+	40"+	B
BrB	Brinkerton Silt Loam	3-8	0-0.5'	60"+	D
EtB	Ernest silt loam	3-8	1.5'-3'	60"+	C

SOIL SYMBOL	SOIL LIMITATIONS PER S.C.S. SOIL SURVEY	CONTRACTOR RESOLUTIONS OF SOIL LIMITATIONS
BdB	Cutbanks can easily, droughty,	Proposed grading shall be compacted with equipment, in layers, per standard construction practices to ensure that placed soil is tight and strong. Soil with significant clay content shall be proof rolled. Any unsuitable material (such as the Brinkerton and Ernest soil areas where wetness might be present) shall be removed and replaced with adequate subgrade / subbase from drier portions of the site. Desirable seeding fertilizer and lime supplements for this site can be determined with a soil test. This would offset the possible low pH. Slopes shall be re-graded, then stabilized with topsoil, seed and mulch, and matted if steep. Topsoil can be imported from other sources, as it is readily available in the area. In general, there are no unusual site characteristics here that are unlike those found elsewhere in the region where similar soils are present. No special construction methods or procedures seem necessary.
BdC	easily erodible, poor percolation, poor for topsoil, frost action	
BRB	Cutbanks can easily, droughty, easily erodible, slow percolation, shallow depth to seasonal high water table, piping, poor for topsoil, frost action, shrink-swell, wetness	
	Cutbanks can easily, easily erodible, slow percolation, shallow depth to seasonal high water table, low strength, piping, poor for topsoil, frost action, shrink-swell, wetness	
ETB	Cutbanks can easily, easily erodible, slow percolation, shallow depth to seasonal high water table, low strength, piping, poor for topsoil, frost action, shrink-swell, wetness	

SOIL TEST RESULT SUMMARY					
Soil Test Site #1	Existing Ground Elev.at test site	Bottom Elev. Of Probe Hole	Limiting Zone Elev. And Type of Limitation	Percolation Test Elev.	Measured Percolation Rate
1	562.8	556.8	none	558.8	0 in./hr
2	561.7	556.0	556.2: seeps; water table	561.0	1.25 in./hr
2	561.7	556.0	556.2: seeps; water table	558.9	0.125 in./hr
3	562.7	556.4	556.7: seeps; water table	561.5	1.5 in./hr
3	562.7	556.4	556.7: seeps; water table	558.9	0.75 in./hr
4	563.8	556.3	557.2: seeps; water table	561.5	0.25 in./hr
4	563.8	556.3	557.2: seeps; water table	559.0	0.75 in./hr
5	564.9	556.6	556.6: seeps; water table	561.5	0 in./hr
5	564.9	556.6	556.6: seeps; water table	558.9	4.0 in./hr
6	566.1	557.0	558.1: seeps; water table	561.5	0.125 in./hr
6	566.1	557.0	558.1: seeps; water table	559.0	9.0 in./hr
7	566.8	558.5	558.5: seeps; water table	561.5	3.25 in./hr
7	566.8	558.5	558.5: seeps; water table	560.5	10.5 in./hr



	5/29/2024	PER TOWNSHIP COMMENTS	BKK	DESIGN : T.C.S.
	3/28/2024	PER TOWNSHIP COMMENTS	BKK	DRAWN : G.D.G.
	3/5/2024	RESTAURANT AREA REVISIONS	BKK	CHECKED : J.K.M.
	3/17/22	CONDITIONS OF APPROVAL	SRR	DATE : 6/1/2020
	9/25/20	REVIEW COMMENTS	GDG	REV :
	7/1/20	REVIEW COMMENTS	GDG	
NO.	DATE	DESCRIPTION	BY	

DESIGN : T.C.S.

DRAWN : G.D.G.

CHECKED : J.K.M.

DATE : 6/1/2020

REV :

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SEAL

SEAL

PRE-DEVELOPMENT FEATURES PLAN
PRELIMINARY / FINAL SUBDIVISION AND LAND DEVELOPMENT PLAN

FOR

151 GETTYSBURG PIKE

UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA

PROJECT NO.
310500

SURVEY BOOK :

SCALE : 1" = 30'

DWG: Y:\19\319590.dwg\3195908\
FILE: Dwg\Plans\Prelim-Final\
02-EXIST.dwg

SHEET 2 of 15

GRAPHIC SCALE

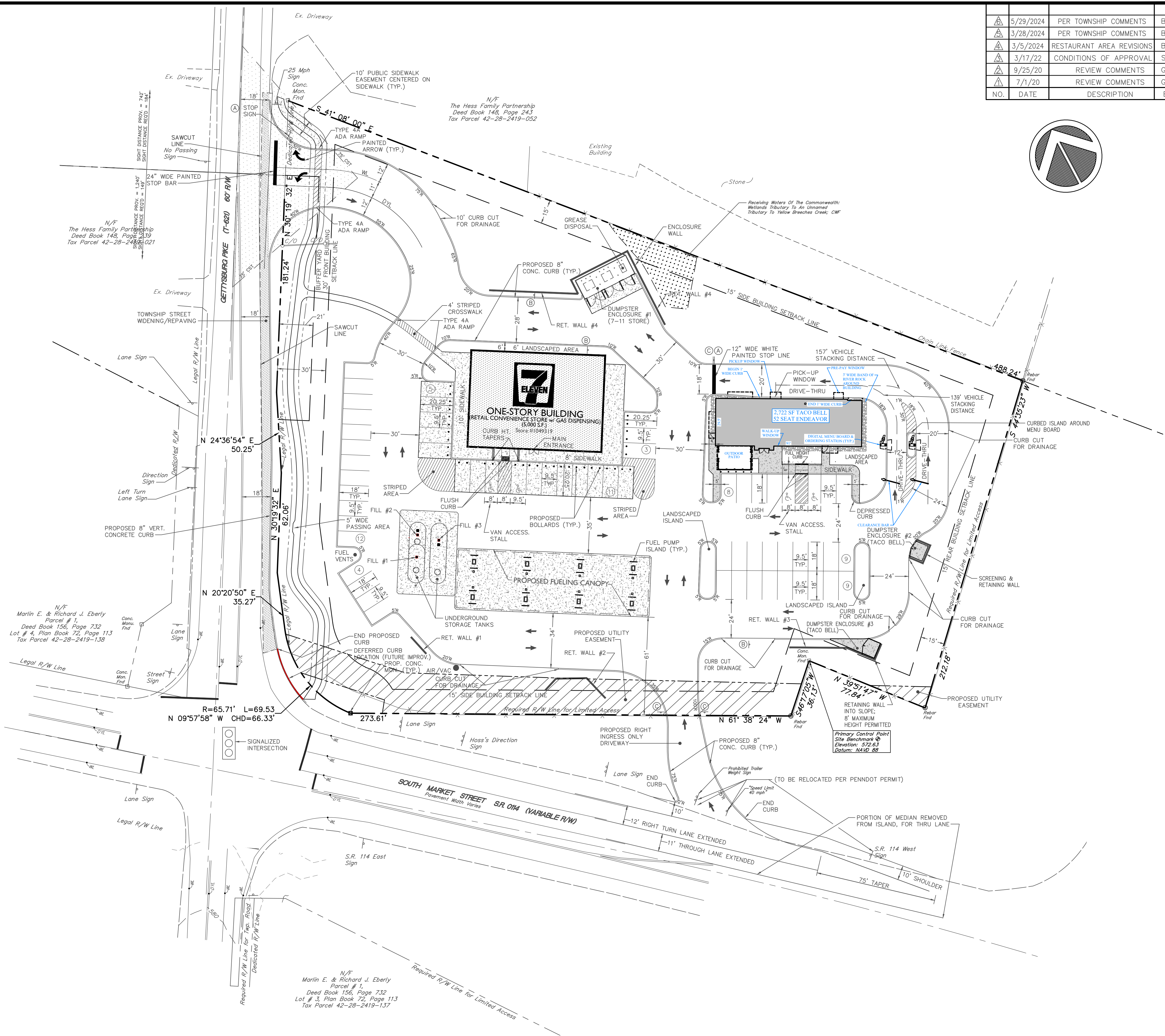


(IN FEET)
1 inch = 30 ft

LEGEND	
	Existing Property Line
	Existing Edge Of Pavement
	Existing Curb
	Delineated Wetlands
	PROPOSED RIGHT OF WAY LINE
	PROPOSED UTILITY/ DRAINAGE EASEMENT
	PROPOSED EDGE OF PAVEMENT
	PROPOSED CURB
	PROPOSED SIDEWALK/PATH

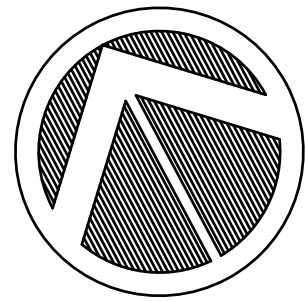
SIGN CHART

PLAN SYMBOL	PENNDOT DESIGNATION	SIGN DESCRIPTION	SIZE
	R1-1	STOP	24"x24"
	R8-3A	NO PARKING SIGN	12"x12"
	R5-1	DO NOT ENTER SIGN	30"x30"



SEE SHEET #4
FOR EASEMENTS

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3/17/22	CONDITIONS OF APPROVAL	SRR	DATE : 6/1/2020
9/25/20	REVIEW COMMENTS	GDG	REV :
7/1/20	REVIEW COMMENTS	GDG	
NO.	DATE	DESCRIPTION	BY

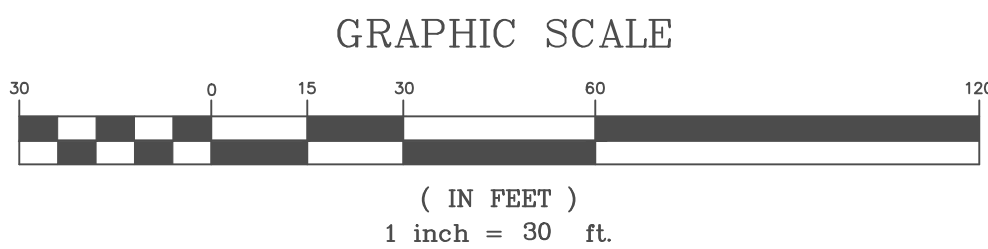


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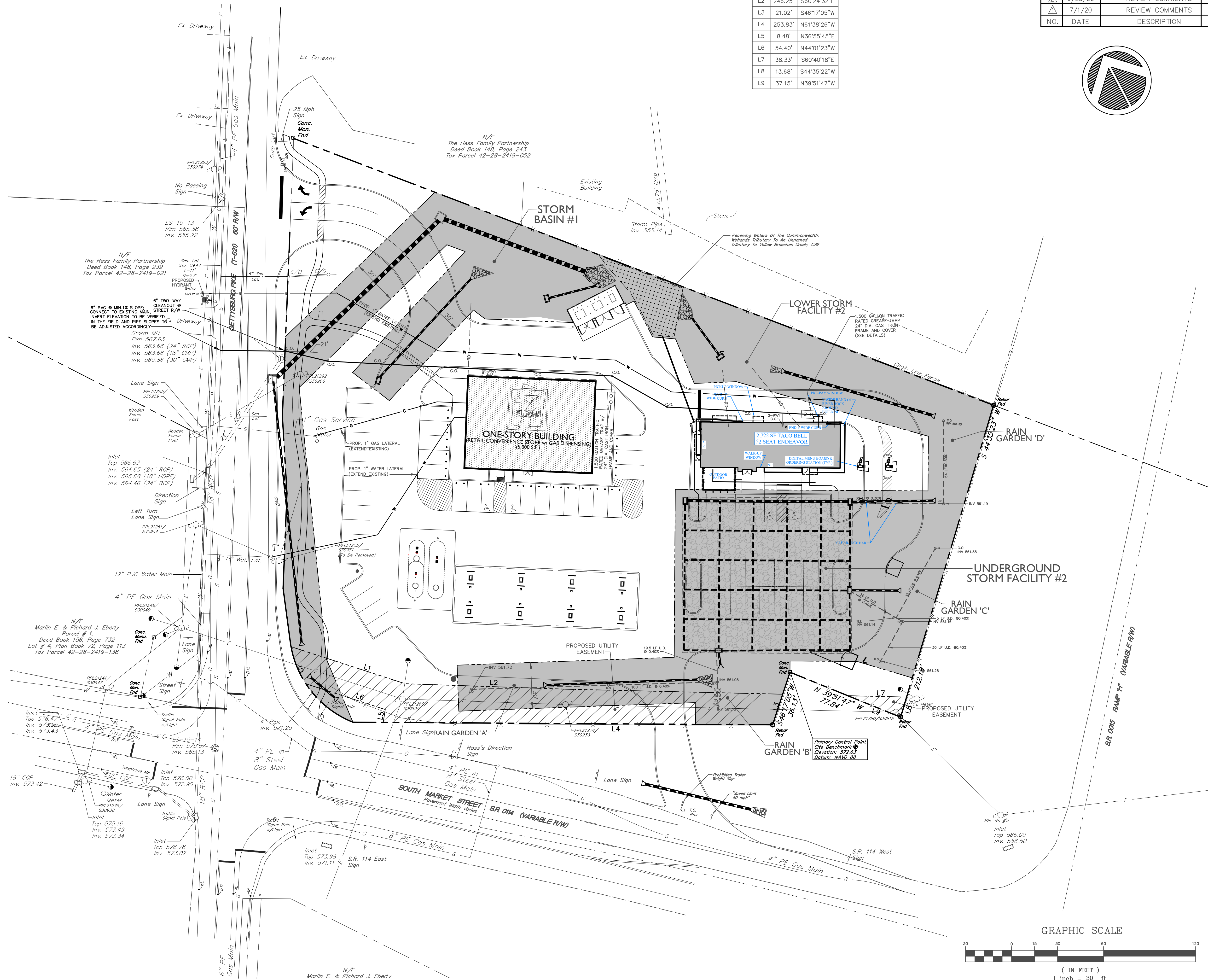
SITE PLAN
FOR
PRELIMINARY / FINAL SUBDIVISION AND LAND DEVELOPMENT PLAN
151 GETTYSBURG PIKE
UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA

PROJECT NO. 319590
SURVEY BOOK :
SCALE : 1" = 30'
DWG FILE : D:\Projects\319590\319590.dwg
FILE : D:\Projects\319590\319590.dwg
SHEET 3 of 15



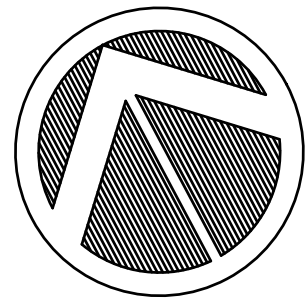
LEGEND

- Property Line
- Existing Contour
- Existing Curb
- Existing Edge Of Pave
- Existing Gas Line/Valve
- Existing Water Line/Valve
- Existing Storm Sewer Inlet, Pipe Size And Manhole
- Existing Sanitary Sewer Line Cleanout And Manhole
- Existing Sign
- Existing Spot Elevation
- Existing Electric Line And Utility Pole/A.D. #
- PROPOSED STORM SEWER INLET, LINE
- PROPOSED RIP RAP APRON
- PROPOSED SANITARY SEWER MAIN AND MANHOLE
- PROPOSED SANITARY SEWER LATERAL, CLEANOUT
- PROPOSED WATER LINE, HYDRANT, VALVE
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- ROOF DRAIN COLLECTOR PIPE, PROPOSED WALK
- PROPOSED DRAINAGE EASEMENT
- PROPOSED UTILITY EASEMENT



LINE TABLE		
LINE	LENGTH	BEARING
L1	78.17'	S44°01'23"E
L2	246.25'	S60°24'32"E
L3	21.02'	S46°17'05"W
L4	253.83'	N61°38'26"W
L5	8.48'	N36°55'45"E
L6	54.40'	N44°01'23"W
L7	38.33'	S60°40'18"E
L8	13.68'	S44°35'22"W
L9	37.15'	N39°51'47"W

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NO.	DATE	DESCRIPTION	BY

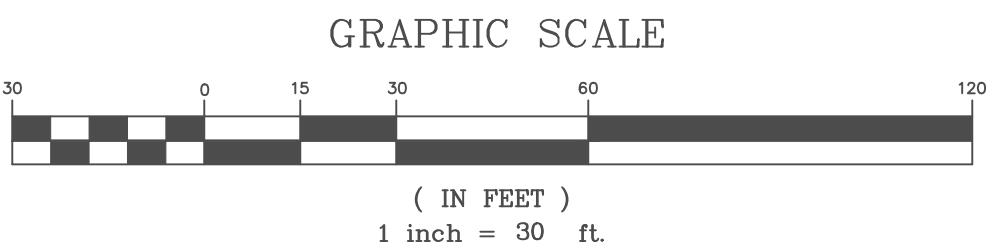


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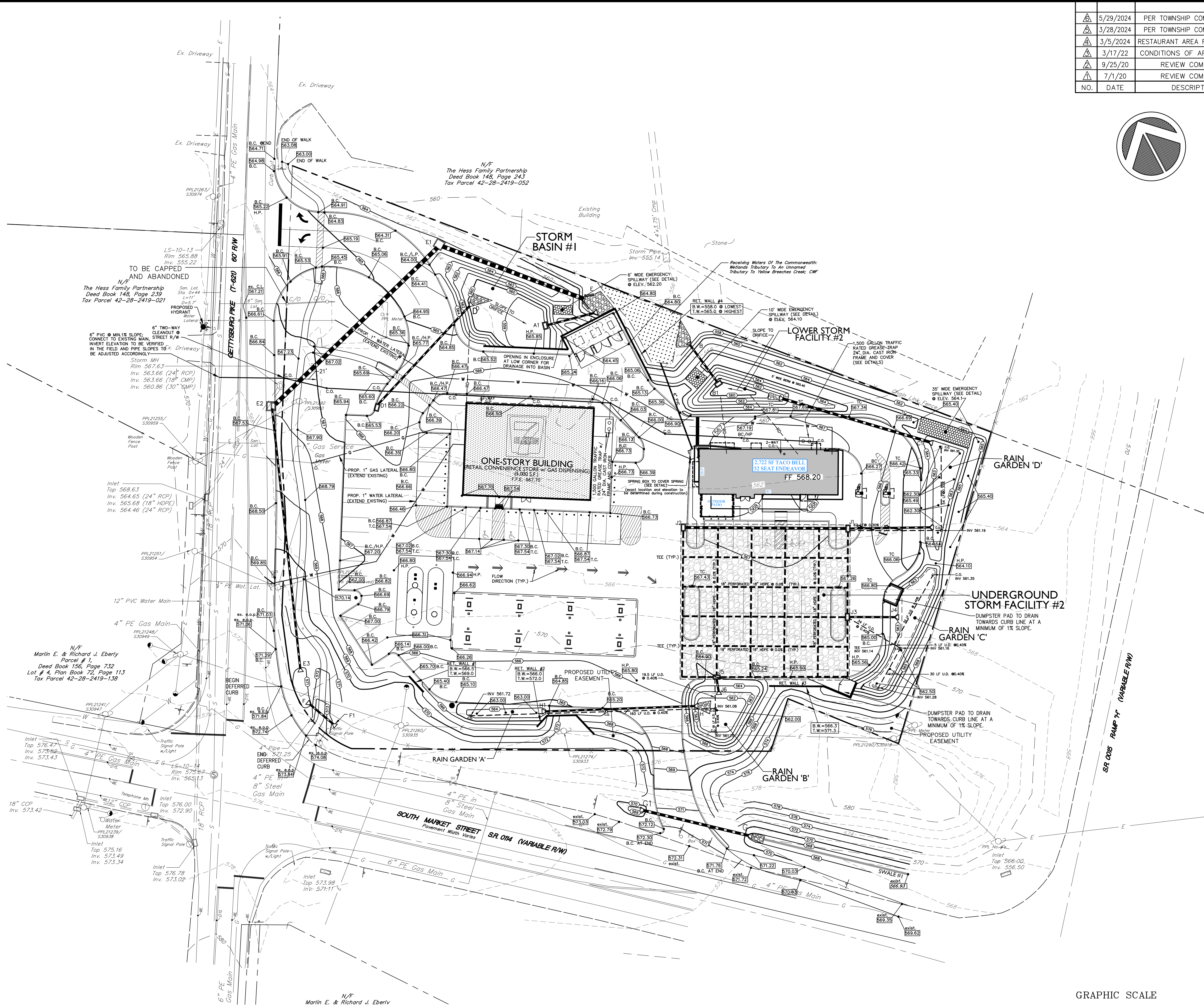
EASEMENT PLAN
PRELIMINARY / FINAL SUBDIVISION AND LAND DEVELOPMENT PLAN
FOR
151 GETTYSBURG PIKE
UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA

PROJECT NO.
319590
SURVEY BOOK :
SCALE : 1" = 30'
DWG : Y:\19\319590.dwg
FILE : Dwg\Plans\Framing-Final.dwg
SHEET **4** of **15**

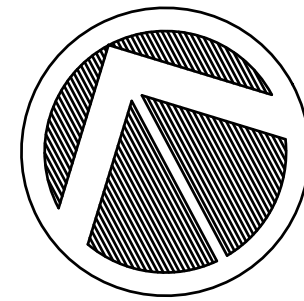


LEGEND

- Property Line
- Existing Contour
- Existing Curb
- Existing Edge Of Pav
- Existing Gas Line/Valve
- Existing Water Line/Valve
- Existing Storm Sewer Inlet, Pipe Size And Manhole
- Existing Sanitary Sewer Line Cleanout And Manhole
- Existing Sign
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- PROPOSED STORM SEWER INLET, LINE
- PROPOSED RIP RAP APRON
- PROPOSED SANITARY SEWER MAIN AND MANHOLE
- PROPOSED SANITARY SEWER LATERAL, CLEANOUT
- PROPOSED WATER LINE, HYDRANT, VALVE
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- B.C.=BOTTOM OF CURB
- H.P.=HIGH POINT
- L.P.=LOW POINT
- ROOF DRAIN PIPE
- UNDERDRAIN / CLEANOUT
- PROPOSED WALK
- Soil Test Site Of May, 2017; I.D. #



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NO.	DATE	DESCRIPTION	BY

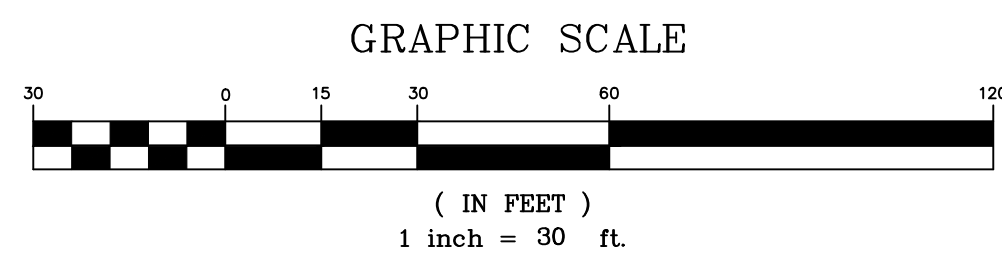


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GRADING / UTILITIES PLAN
PRELIMINARY / FINAL SUBDIVISION AND LAND DEVELOPMENT PLAN
FOR
151 GETTYSBURG PIKE
UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA

PROJECT NO.
319590
SURVEY BOOK :
SCALE : 1" = 30'
DWG : Y:\19\319590.dwg (319590.dwg)
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SHEET **5** of **15**



REQUIRED PLANTING CALCULATIONS

Street Trees--

Requirement: minimum 2 trees for every 100 feet of public right-of-way.
Calculation: 368 linear feet of public street right-of-way frontage, divided by 100 feet, equals 3.68, times 2 trees, equals 8 trees required.
Compliance: 8 serviceberry trees are proposed.

Type 2 Buffer Yard in 41-feet wide strip of land along Gettysburg Pike--

Requirement: One shade tree per 40 feet of buffer screen.
Calculation: 152 linear feet of buffer screen along Gettysburg Pike, divided by 40 feet, equals 4 trees required.
Compliance: 4 dogwood trees are proposed.

Requirement: One evergreen tree per 30 feet of buffer screen.
Calculation: 152 linear feet of buffer screen along Gettysburg Pike, divided by 30 feet, equals 6 trees required.
Compliance: 6 cedar trees are proposed.

Requirement: One deciduous or evergreen shrub per 20 feet of buffer screen. Minimum 60% of the shrubs must be evergreen.
Calculation: 152 linear feet of buffer screen along Gettysburg Pike, divided by 20 feet, equals 8 shrubs required.
Compliance: 8 rhododendron shrubs are proposed, 8 of which (100%) are evergreen.

Dumpster Screening-Enclosure #1 (7-11 Store)--

Requirement: One shade tree per 40 linear feet of visibility.
Calculation: 20 linear feet of frontage visibility to street, divided by 40 feet, equals 1 tree required.
Compliance: One redbud shade tree is proposed.

Requirement: One evergreen tree per 5 linear feet of visibility.
Calculation: 20 linear feet of frontage visibility to street, divided by 5 feet, equals 4 trees required.
Compliance: 4 Alberta spruce evergreen trees are proposed.

Requirement: Minimum 6-foot high solid enclosure.
Compliance: An enclosure wall/fence is provided.

Dumpster Screening-Enclosure #2 (Taco Bell)--

Requirement: One shade tree per 36 linear feet of visibility.
Calculation: 36 linear feet of visibility, divided by 40 feet, equals 1 tree required.
Compliance: One redbud shade tree is proposed.

Requirement: One evergreen tree per 5 linear feet of visibility.
Calculation: 20 linear feet of frontage visibility to street, divided by 5 feet, equals 4 trees required.
Compliance: 4 Alberta spruce evergreen trees are proposed.

Requirement: Minimum 6-foot high solid enclosure.
Compliance: An enclosure wall/fence is provided.

Dumpster Screening-Enclosure #3 (Taco Bell)--

Requirement: One shade tree per 40 linear feet of visibility.
Calculation: 20 linear feet of frontage visibility to street, divided by 40 feet, equals 1 tree required.
Compliance: One redbud shade tree is proposed.

Requirement: One evergreen tree per 5 linear feet of visibility.
Calculation: 20 linear feet of frontage visibility to street, divided by 5 feet, equals 4 trees required.
Compliance: 4 Alberta spruce evergreen trees are proposed.

Requirement: Minimum 6-foot high solid enclosure.
Compliance: An enclosure wall/fence is provided.

Stormwater Management Buffering and Screening--

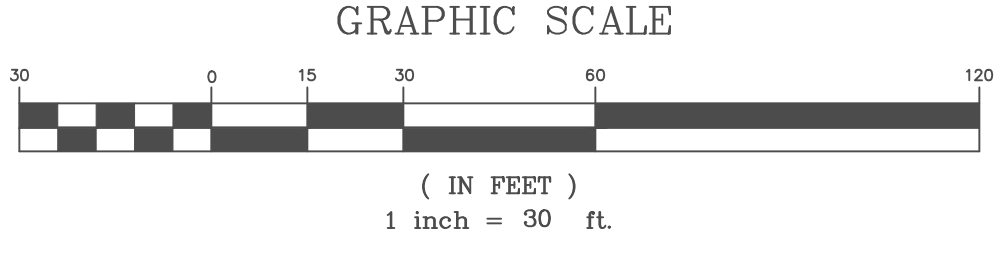
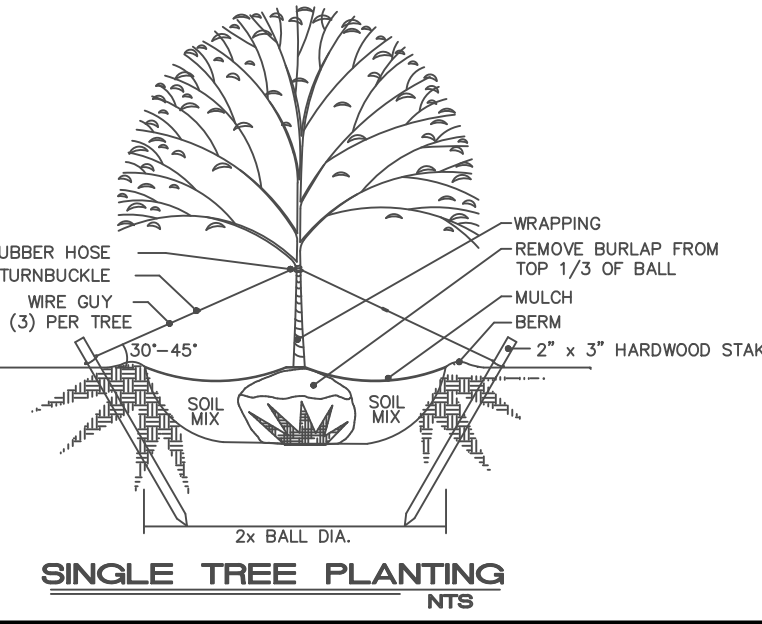
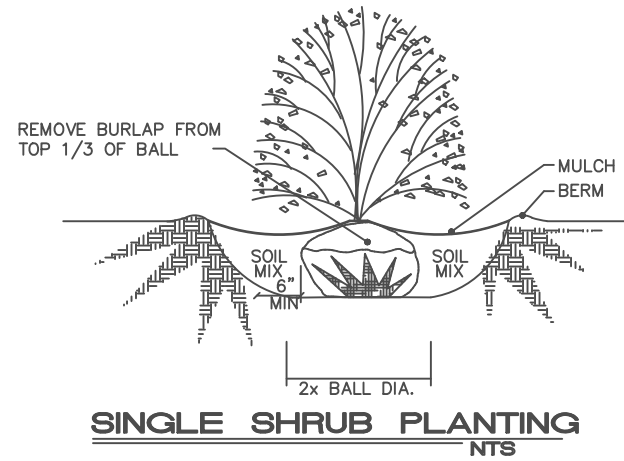
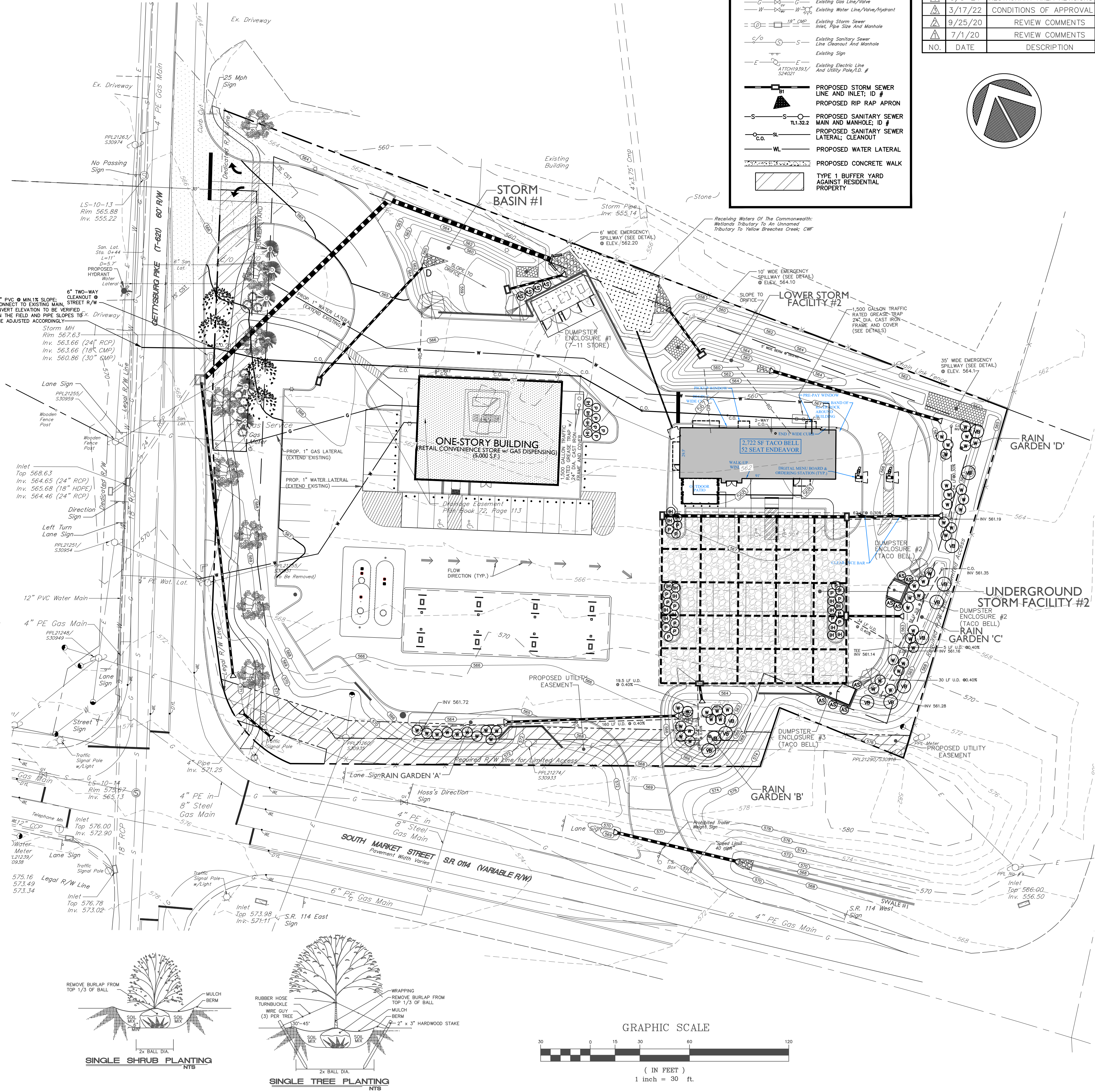
The proposed Type 2 buffer yard parallel to Gettysburg Pike screens the surface stormwater basin.

NOTES:

- Summary: Furnish all labor, materials, services, equipment, and other necessary items required or establishing landscaped area in accordance with project specifications and these landscape notes.
- Soil pH shall be determined by electronic or chemical soil test; pH shall be adjusted as required for specific plant material to be grown.
- The subgrade in planting areas shall be loosened and mixed to a depth of three inches (3") and lightly compacted. Distribute topsoil over areas to be planted to a minimum depth of four inches (4").
- Shrubs and trees: Contractor shall install all shrubs and trees as recommended by an experienced local AAN/PNA - certified nursery, unless noted otherwise on drawings. The standard warranty is for a one (1) year period, commencing on the date of final payment. Plants shall be alive and in satisfactory growth at the end of the warranty period.
- Shrubs and trees shall be planted in accordance with the details shown in the plan set. If excessive rock or stone is encountered while digging planting holes, the contractor shall replace the unsuitable material with suitable backfill at no additional cost.
- The landscape contractor shall review the entire set of the contract drawings to become aware of any possible conflicts with utilities and determine measures required to protect existing and proposed utilities.
- Any nylon rope used in baling the tree must be cut and removed from the root ball.
- If plant quantities on the plant schedule to not conform to the planting plan, the planting plan shall take precedence. No fewer plants may be installed without prior approval by the developer.
- On-site landscaping shall be maintained in a healthy growing condition at all times by the contractor until the owner or their delegated representative has inspected and accepted all landscape improvements at the beginning of the one-year warranty period. Once accepted, during the one-year warranty period, landscaping in accordance with the core and maintenance schedule provided to the developer by the landscape contractor.
- Inspection by the landscape contractor of all plant material shall occur seasonally during the warranty period. If the owner has followed the core and maintenance schedule and plant material has become diseased, is dying, or dead, the contractor shall replace all diseased, dying, or dead plant material. If the developer has not followed the core and maintenance schedule and plant material has become diseased, is dying, or is dead, the contractor is not responsible for replacing the diseased, dying, or dead plant material.
- If the contractor believes a replacement plant will not grow because of identified environmental conditions, then the contractor may replace the originally specified plant with a similar species that meets the design intent, upon prior approval by the developer.
- Landscaped areas shall be continuously maintained by the landowner. Failure to adequately maintain landscaped areas may be subject to a citation issued by the Township.

LANDSCAPE LEGEND:

SYMBOL	QTY.	COMMON NAME	BOTANICAL NAME	NATIVE (IF X) IN. SIZE (AT PLANTING TIME)	SPACING	COMMENTS
	13	ARROW WOOD VIBURNUM OR BLACKAWAY VIBURNUM	Viburnum dentatum or Viburnum punctatum	X	2-3" HIGH	8' O.C. RAIN GARDEN
	52	WINTER RED WISTER (cultivar acceptable)	De wendelliae (not 1 male in each lot unless otherwise specified)	X	3-4" HIGH	8' O.C. RAIN GARDEN
	21	POTENTIALIA	Potentilla fruticosa 'Nobilitas', 'Goldfinger' and/or 'Pink Beauty'	X	1 GAL. CONT.	4' O.C. PARKING LANDSCAPE ISLANDS
	19	INNEREY HOLLY (cultivar acceptable)	Ilex glabra 'Shamrock'	X	1 GAL. CONT.	4' O.C. PARKING LANDSCAPE ISLANDS
	8	WHITE CATWISP RHODODENDRON	Rhododendron 'Catawissa Album'	X	18" HIGH 12-15" SPREAD	6-8' O.C. OVERGREEN BUFFER SHRUB per S.A.I.D.O. section 220-26.8
	6	EASTERN RED CEDAR	Juniperus virginiana 'Canadensis', 'Blue Mountain'	X	5' HIGH	SEE PLAN/Overgreen buffer tree per SALDO section 220-26.8
	5	REBUDO	Cercis canadensis (cultivar acceptable)	X	6" HIGH 2" CALIPER	SEE PLAN/Dumpster shade tree per SALDO section 220-26.8.13(a)
	4	FLOWERING DOGWOOD	Cornus florida (cultivar acceptable)	X	6" HIGH 2" CALIPER	SEE PLAN/Buffer shade tree per SALDO section 220-26.8.13(a)
	8	SERVICEBERRY	Aamelanchier canadensis	X	4-5" HIGH	SEE PLAN/Street tree per SALDO section 220-26.8.13(a)
	12	DWARF ALBERTA SPRUCE	Picea 'glauca 'Conica'	X	30" HIGH	SEE PLAN/Dumpster evergreen tree per SALDO section 220-26.8.13(a)



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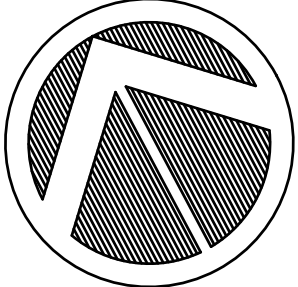
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LANDSCAPE PLAN
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FOR
151 GETTYSBURG PIKE
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DWG: Y:\19\319590.dwg
FILE: Dwg\Plans\Prelim-Final\
SHEET **6** of **15**

Calculation Summary (Footcandles calculated using predicted lumen values @ 50K hrs of operation)						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
CANOPY	Fc	11.85	15	8	1.48	1.88
PAVEMENT	Fc	2.06	6.0	0.4	5.15	15.00
SITE	Fc	0.43	6.0	0.0	N.A.	N.A.

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LMF	Lum. Lumens	Lum. Watts	Part Number
		CPY-FLAT-C	SINGLE	1.000	3028	21	CPY250-B-DM-F-C-UL-57K-BZ-HZ
		CPY-FLAT-C WH	SINGLE	1.000	4520	31	CPY250-B-DM-F-C-UL-57K-WH-HZ
		XSPMD-5S	SINGLE	1.000	11875	95	XSPMD-D-HT-5SH-12L-57K-UL-BZ-N
		XSPMD-3MEB	SINGLE	1.000	8425	95	XSPLG-D-HT-3ME-12L-57K7-UL-BZ-N w_XA-SP1BLS
		XSPMD-4ME-BLS	SINGLE	1.000	8675	95	XSPMD-D-HT-4ME-12L-57K7-UL-BZ-N w_XA-SP1BLS
		XSPW	WALL MOUNT	1.000	3245	24	XSPW-B-WM-3ME-4L-57K-UL-BZ



				DESIGN :	T.C.S.
	5/29/2024	PER TOWNSHIP COMMENTS	BKK	DRAWN :	G.D.G.
	3/28/2024	PER TOWNSHIP COMMENTS	BKK	CHECKED :	J.K.M.
	3/5/2024	RESTAURANT AREA REVISIONS	BKK	DATE :	6/1/2020
	3/17/22	CONDITIONS OF APPROVAL	SRR	REV :	
	9/25/20	REVIEW COMMENTS	GDG		
	7/1/20	REVIEW COMMENTS	GDG		
NO.	DATE	DESCRIPTION	BY		

BOM: Complete Part Description

- 16- CPY250-B-DM-F-C-UL-WH-57K-HZ
5- CPY250-B-DM-F-C-UL-BZ-57K-HZ
2- XSPMD-D-HT-5SH-12L-57K-UL-BZ-N
5- XSPMD-D-HT-3ME-12L-57K-UL-BZ-N
10- XSPMD-D-HT-4ME-12L-57K-UL-BZ-N
13- XA-SP1BLS
8- XSPW-B-WM-3ME-4L-57K-UL-BZ
14- SSS-4-11-17-CW-BS-OT-N-BZ
14- PD-1H4

FIXTURES MOUNTING HEIGHTS AS SHOWN
POLES MOUNTED ON 3' BASE

Additional Equipment:

- (14) SSS-4-11-17-CW-BS-OT-C-BZ (17' X 4" STEEL SQUARE POLE)
(14) PD-1H4 (SINGLE TENON)

Proposed poles meet 140 MPH sustained winds.

*** CUSTOMER TO VERIFY ORDERING INFORMATION AND
CATALOGUE NUMBER PRIOR TO PLACING ORDER ***

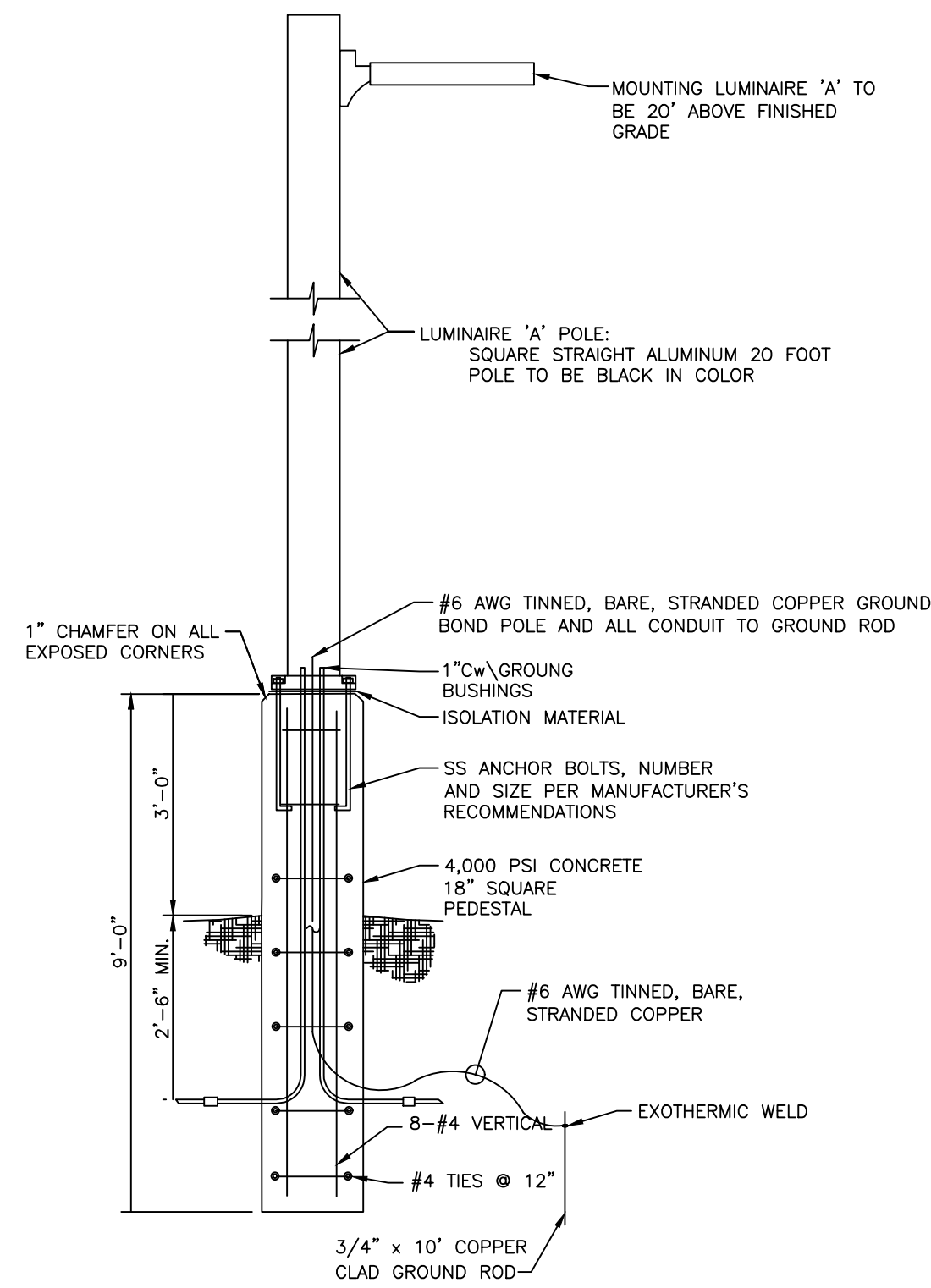
GENERAL LIGHTING NOTES

1. The lighting levels depicted on this plan are calculated using data obtained from the listed manufacturer. Actual illumination levels and performance of any proposed lighting fixture may vary due to uncontrollable variables such as weather, voltage supply, lamp tolerance, equipment service life and other variable field conditions.

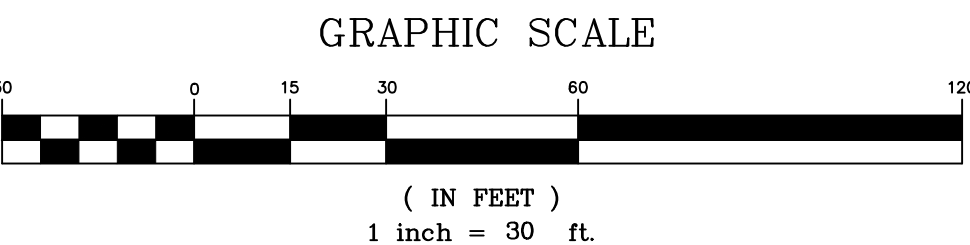
2. The contractor shall notify the Owner in writing, prior to installation, of any proposed lighting features that conflict with existing / proposed drainage, utility or other improvements.

3. The contractor is responsible to prepare a wiring plan and provide electric service to all proposed lighting fixtures. The contractor is required to prepare as-as-built to-scale drawing of wiring and provide a copy to the Owner.

SEE SHEET 7A FOR
RESTAURANT AREA NOT SHOWN



LIGHT POLE BASE DETAIL
NTS



CREE LIGHTING

A COMPANY OF IDEAL INDUSTRIES, INC.

9201 Washington Ave, Racine, WI 53406 https://creelighting.com - (800) 236-6800

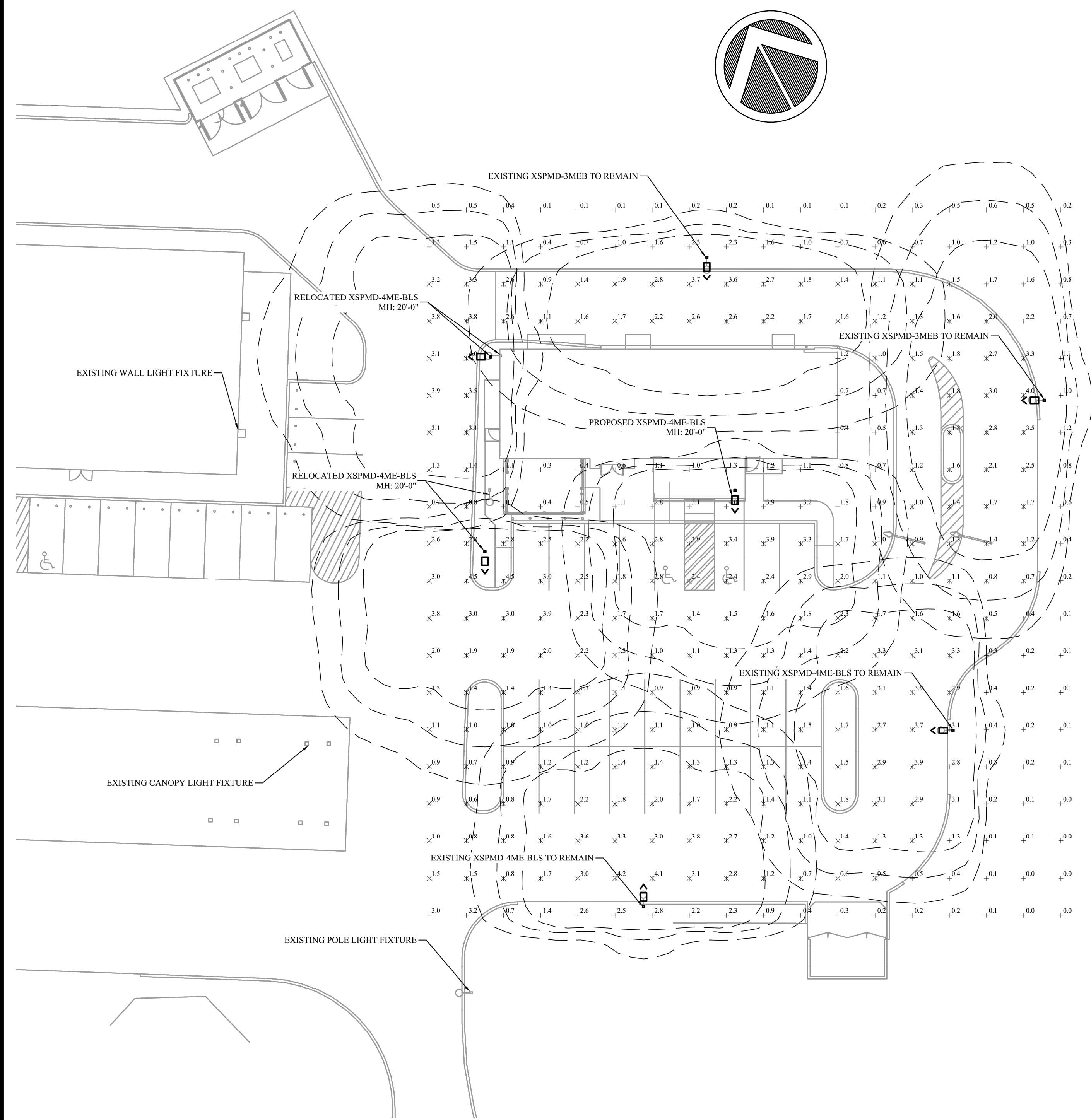
Illumination results shown on this lighting design are based on project parameters provided to Cree Lighting used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting or energy code.

PLANNING ENGINEERING SURVEYING
115 LIMEKILN RD., P.O. BOX 19
NEW CUMBERLAND, PA 17070
TEL: (717) 770-2400
FAX: (717) 770-2400
WWW.ALPHACEI.COM

ALPHA
ALPHA CONSULTING ENGINEERS, INC.

LIGHTING PLAN
PRELIMINARY / FINAL SUBMISSION AND LAND DEVELOPMENT PLAN
FOR
151 GETTYSBURG PIKE
UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA

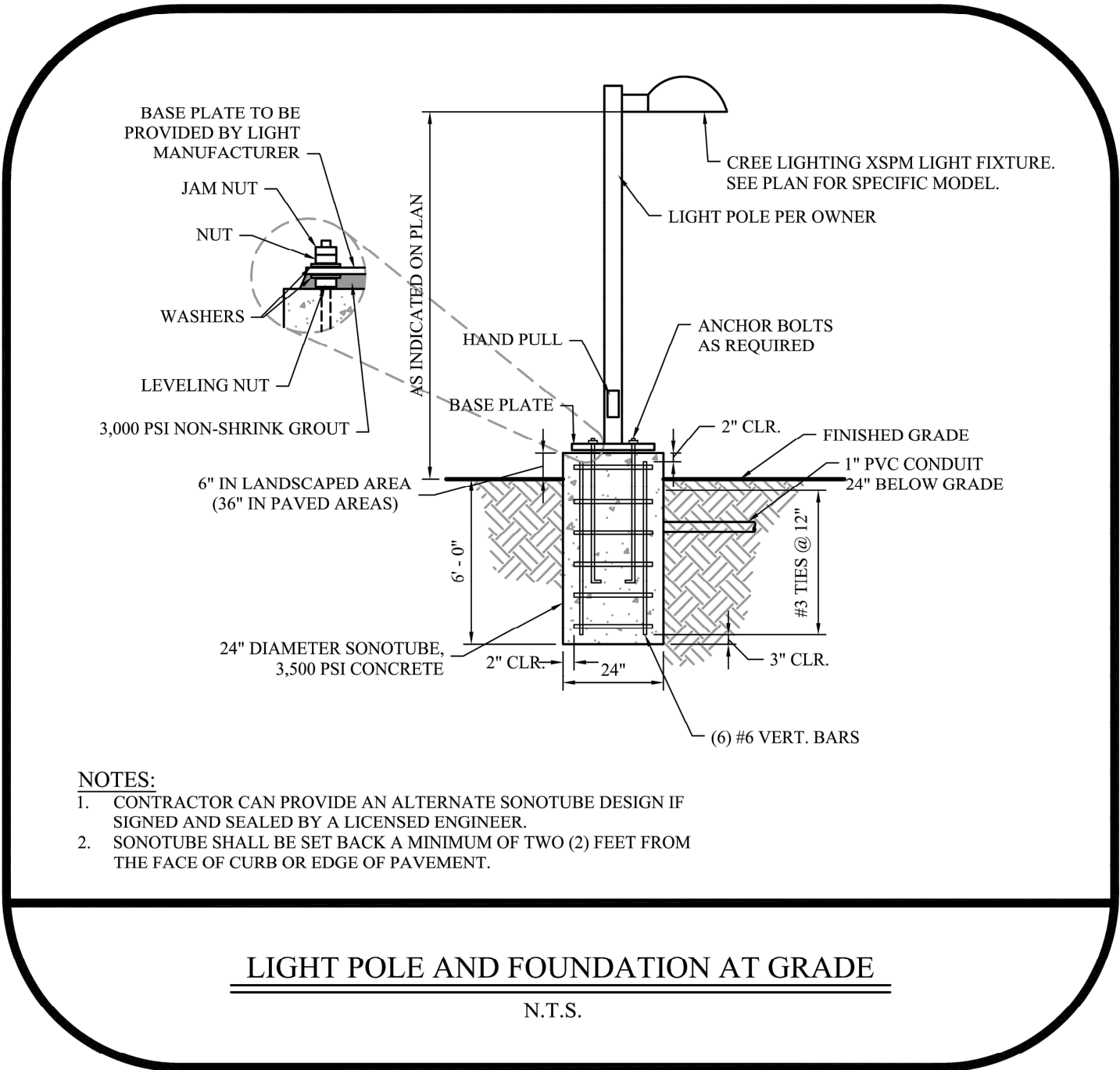
PROJECT NO.
319590
SURVEY BOOK :
SCALE : 1" = 30'
DWG : 319590-01.dwg
FILE : 07-LIGHT.dwg
SHEET 7 of 15



LIGHTING NOTES:

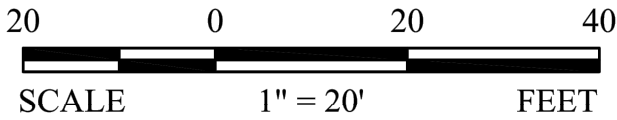
1. SITE LAYOUT TAKEN FROM THE PLANS ENTITLED "PRELIMINARY / FINAL SUBDIVISION AND LAND DEVELOPMENT PLAN, 151 GETTYSBURG PIKE, UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA", PREPARED BY ALPHA CONSULTING ENGINEERS, INC.
2. REFER TO PLAN ENTITLED "PROJECT NAME: 7-11, #1043919, 151 GETTYSBURG PIKE, MECHANICSBURG, PA 17050, SR-36479, CN: 454534, FILENAME: 711-210831MCPALJSRS.AGI", PREPARED BY CREE LIGHTING, DATED 08/18/22, FOR SPECIFIC LIGHT FIXTURE INFORMATION.
3. THIS PLAN ILLUSTRATES LUMINAIRE LOCATIONS AND ILLUMINATION LEVELS ONLY. REFER TO ELECTRICAL ENGINEERING PLANS FOR CIRCUITRY DESIGN AND SPECIFICATIONS.
4. ALL SUBSTITUTIONS TO THE FIXTURES SPECIFIED MUST BE ACCOMPANIED BY A HORIZONTAL PHOTOMETRIC STUDY DEMONSTRATING THAT THE FIXTURE(S) IN QUESTION WILL MEET THE DESIGN INTENT OF THIS PLAN. SUBSTITUTION REQUESTS WITHOUT A PHOTOMETRIC STUDY WILL BE REJECTED.

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Taco Bell Paved Areas	X	2.0 fc	4.5 fc	0.5 fc	9.0:1	4.0:1



- NOTES:**
1. CONTRACTOR CAN PROVIDE AN ALTERNATE SONOTUBE DESIGN IF SIGNED AND SEALED BY A LICENSED ENGINEER.
 2. SONOTUBE SHALL BE SET BACK A MINIMUM OF TWO (2) FEET FROM THE FACE OF CURB OR EDGE OF PAVEMENT.

LIGHT POLE AND FOUNDATION AT GRADE
N.T.S.





THE PETTIT GROUP, LLC

Engineering • Architecture • Planning

497 Center Street • Sewell, NJ 08080

Tel: 856-464-9600 Fax: 856-464-9606

www.pettitgroup.com 247428131400

Certificate of Authorization No. 247428131400

REVISIONS		
NO.	DESCRIPTION	DATE
1	PER TOWNSHIP REVIEW	05/17/24

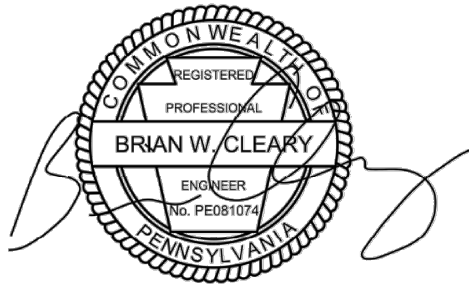
FOR APPROVAL PURPOSES ONLY

ALL DOCUMENTS PREPARED BY THE PETTIT GROUP, LLC ARE INSTRUMENTS OF SERVICE IN RESPECT TO THE PROJECT. THEY ARE NOT EXTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN PERMISSION BY THE PETTIT GROUP, LLC FOR THE SPECIFIC PURPOSES INTENDED WILL BE AT THE OWNER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO THE PETTIT GROUP, LLC AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS THE PETTIT GROUP, LLC FROM CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

THE CONTRACTOR MUST VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE OWNER OF ANY DISCREPANCIES. THE CONTRACTOR SHALL UNDERSTAND THAT THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE ONLY APPROXIMATE. IT IS IMPORTANT TO NOTE THAT NOT ALL UTILITIES MAY BE SHOWN ON THE PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES (AERIAL AND BURIED) PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO CONTACT THE UNDERGROUND UTILITY MARK-OUT SERVICE (1-800-275-1000) PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO REPAIR (AT HIS EXPENSE) ALL DAMAGED UTILITIES RESULTING FROM HIS WORK.

DESIGNED BY: BWC	JOB NO. 1061-327
DRAWN BY: BWC	DATE: 02/21/24
CHECKED BY: BWC	SCALE: 1" = 20'

LIGHTING PLAN
151 GETTYSBURG PIKE
PARCEL #42-28-2419-018
UPPER ALLEN TOWNSHIP
CUMBERLAND COUNTY
PENNSYLVANIA



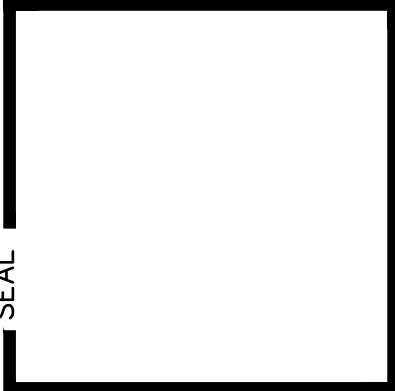
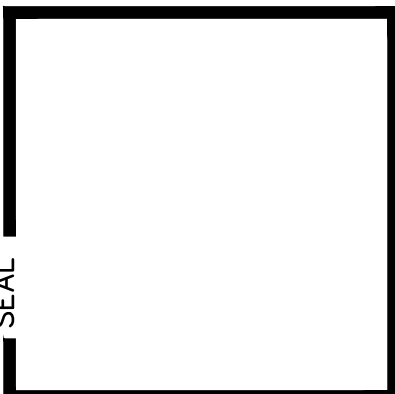
BRIAN W. CLEARY, PE
Professional Engineer
State of New Jersey • License # GE 51748
State of Pennsylvania • License # PE081074
State of Maryland • License # 54411

LIGHTING PLAN

Δ	5/29/2024	PER TOWNSHIP COMMENTS	BKK	DESIGN : T.C.S.
Δ	3/28/2024	PER TOWNSHIP COMMENTS	BKK	DRAWN : G.D.G.
Δ	3/5/2024	RESTAURANT AREA REVISIONS	BKK	CHECKED : J.K.M.
Δ	3/17/22	CONDITIONS OF APPROVAL	SRR	DATE : 6/1/2020
Δ	9/25/20	REVIEW COMMENTS	GDG	REV :
Δ	7/1/20	REVIEW COMMENTS	GDG	
NO.	DATE	DESCRIPTION	BY	

PLANNING • ENGINEERING • SURVEYING
115 LIMEKILN RD., P.O. BOX "G"
NEW CUMBERLAND, PA 17050
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FAX: (717) 770-2400
WWW.ALPHACON.COM

ALPHA
ALPHA CONSULTING ENGINEERS, INC.



LIGHTING PLAN

PRELIMINARY / FINAL SUBDIVISION AND LAND DEVELOPMENT PLAN

FOR

151 GETTYSBURG PIKE

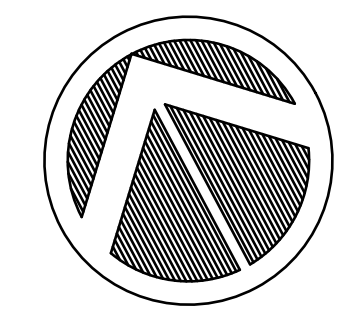
UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA

PROJECT NO. 319590
SURVEY BOOK :
SCALE : 1" = 30'
DWG: 7-19-319590.dgn 3195908\
FILE: 07-LIGHT.dwg
SHEET 7A of 15

LEGEND

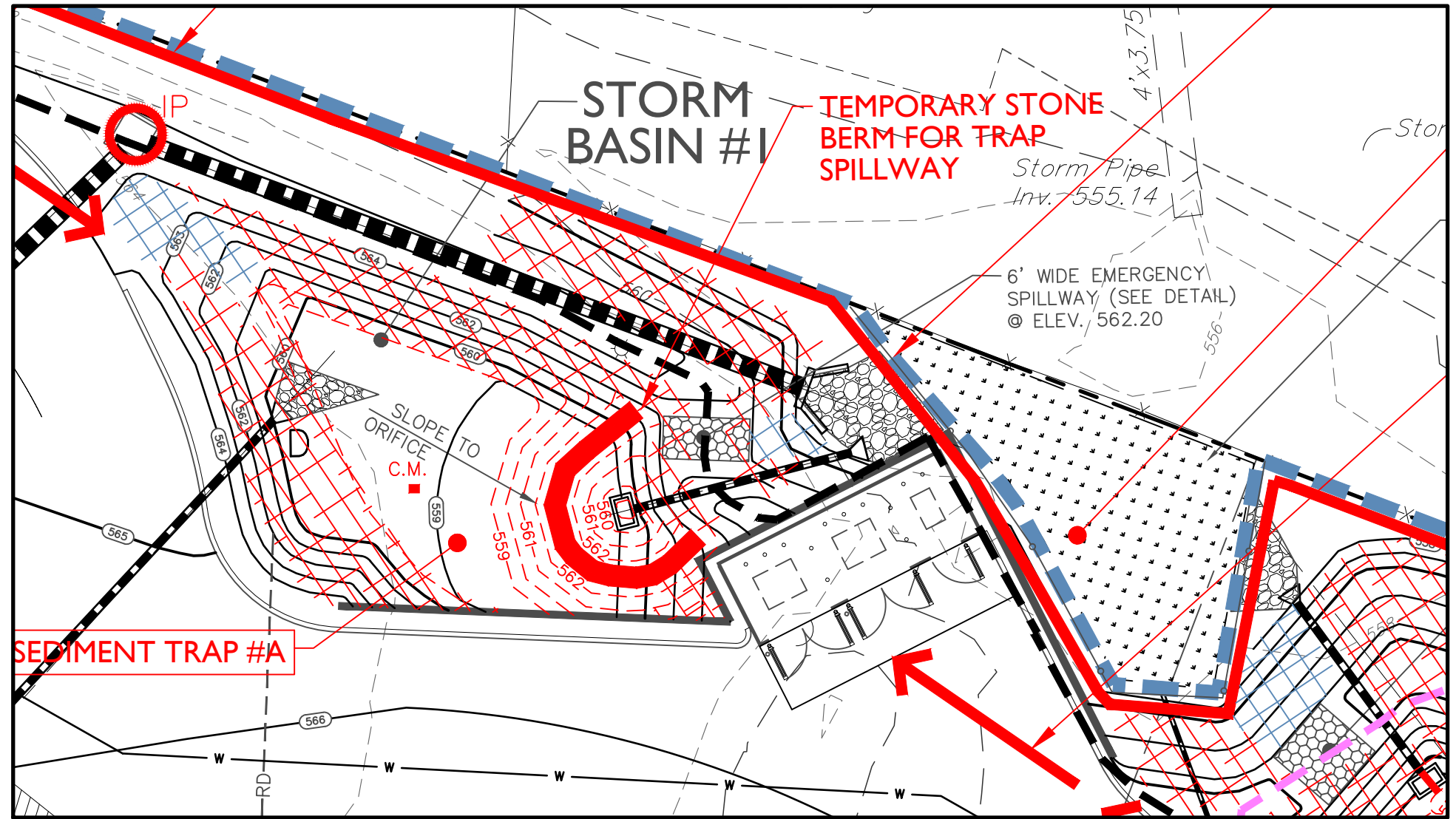
- Existing Property Line
- Existing Easement
- Existing 10' Contour
- Existing 2' Contour
- Existing Edge Of Pavement
- Existing Curb
- Existing Edge Of Water
- Existing Storm Sewer Inlet, Pipe Size and Manhole
- Existing Spot Elevation
- Existing Utility Pole
- Existing Gas Line
- Existing Overhead Utility Line
- Existing Sanitary Sewer Line, Manhole
- Existing Water Line, Valve, Fire Hydrant
- Tree / Brush Line
- Significant Individual Tree (As Labeled)
- Delineated Wetlands
- Soil Test Site, ID #
- PROPOSED STORM SEWER LINE AND INLET
- PROPOSED RIP RAP APRON
- PROPOSED SANITARY SEWER LINE W/ MANHOLE AND CLEANOUT
- PROPOSED PERMANENT CONTOUR
- LIMITS OF ULTIMATE EARTH DISTURBANCE INLET PROTECTION (SEE DETAIL)
- EROSION CONTROL MATTING N.A.G.S75 (SEE DETAIL)
- SILT SOCK W/ SIZE, ID# (SEE DETAIL)
- PROTECTION FENCING (SEE DETAIL)
- NORTH AMERICAN P300 PERMANENT MATTING
- CLEANOUT MARKER

5/29/2024	PER TOWNSHIP COMMENTS	BKK	DESIGN : T.C.S.
3/28/2024	PER TOWNSHIP COMMENTS	BKK	DRAWN : G.D.G.
3/5/2024	RESTAURANT AREA REVISIONS	BKK	CHECKED : J.K.M.
3/17/22	CONDITIONS OF APPROVAL	SRR	DATE : 6/1/2020
9/25/20	REVIEW COMMENTS	GDG	REV :
7/1/20	REVIEW COMMENTS	GDG	
NO.	DATE	DESCRIPTION	BY

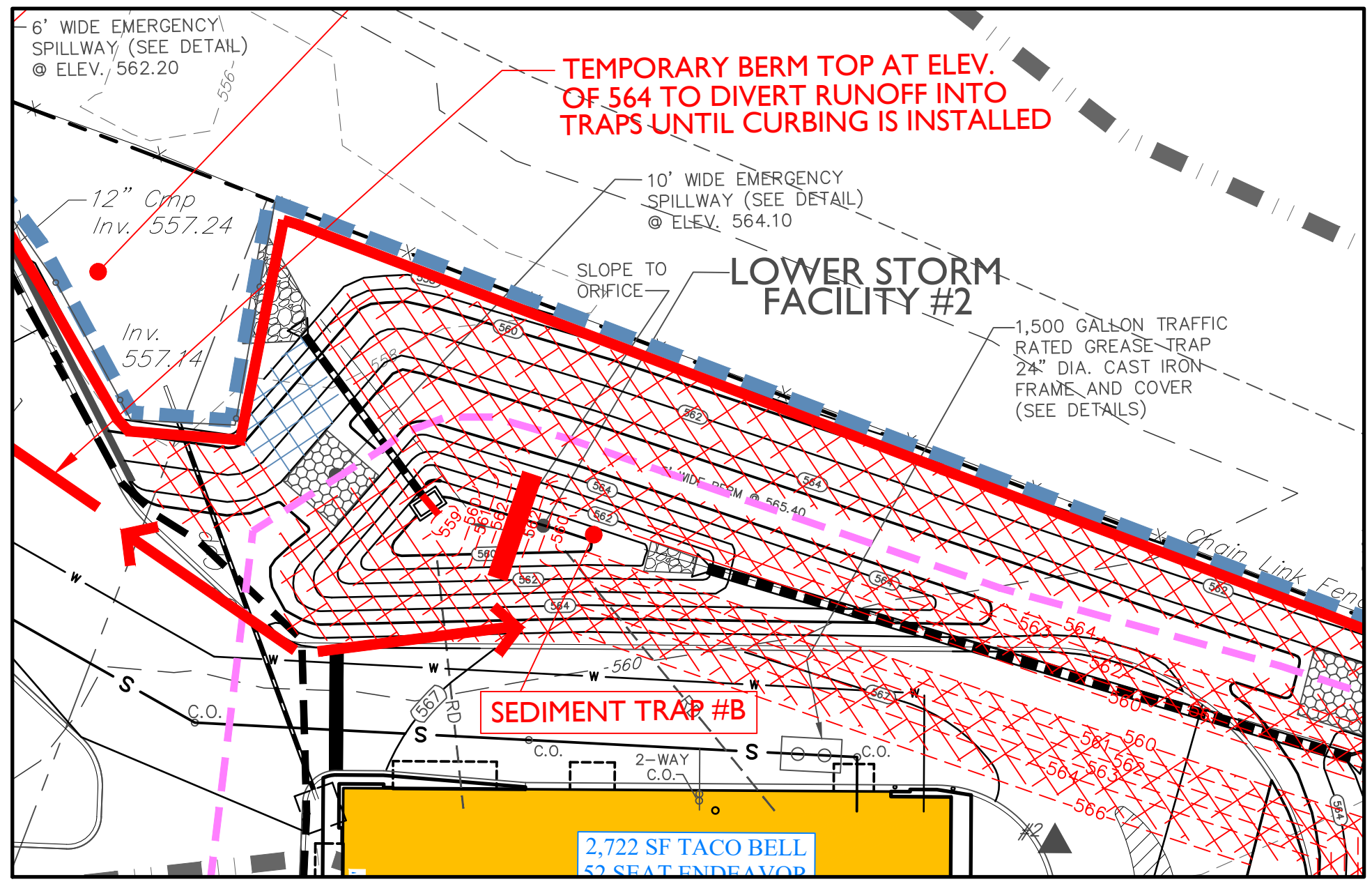


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WWW.ALPHAENGINEERS.COM

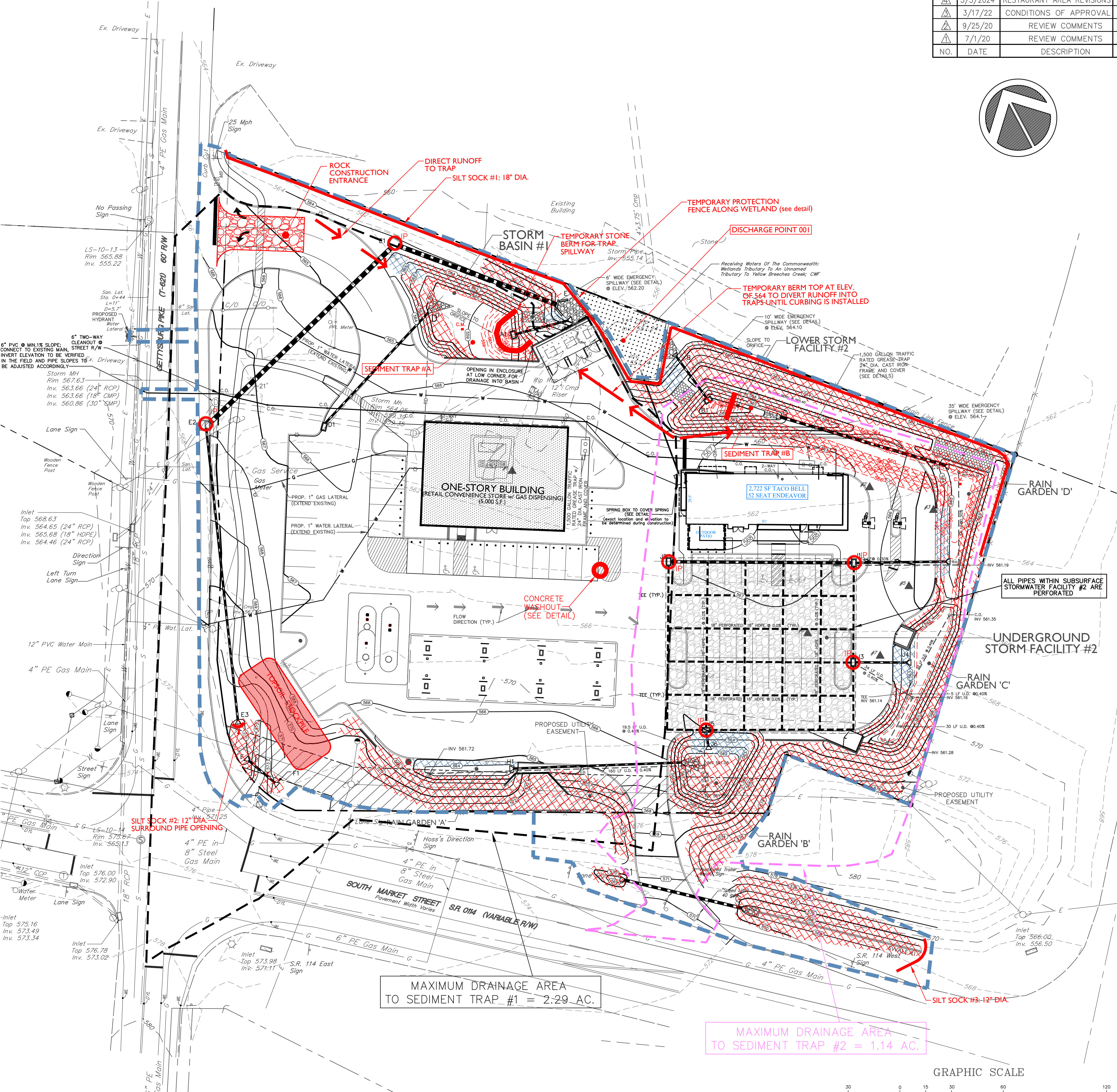
ALPHA
ALPHA CONSULTING ENGINEERS, INC.



SEDIMENT TRAP #A INSET
SCALE: 1" = 20'

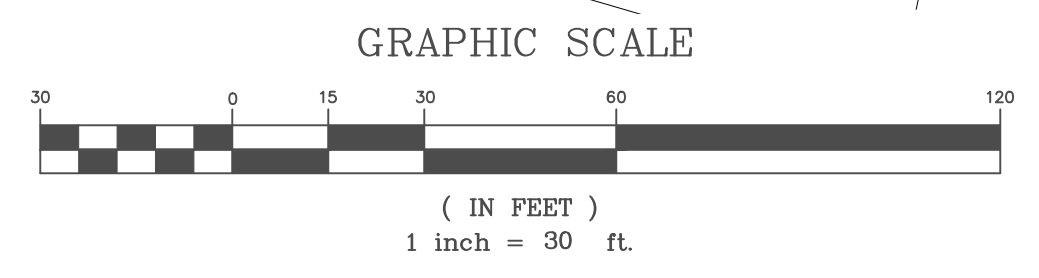


SEDIMENT TRAP #B INSET
SCALE: 1" = 20'



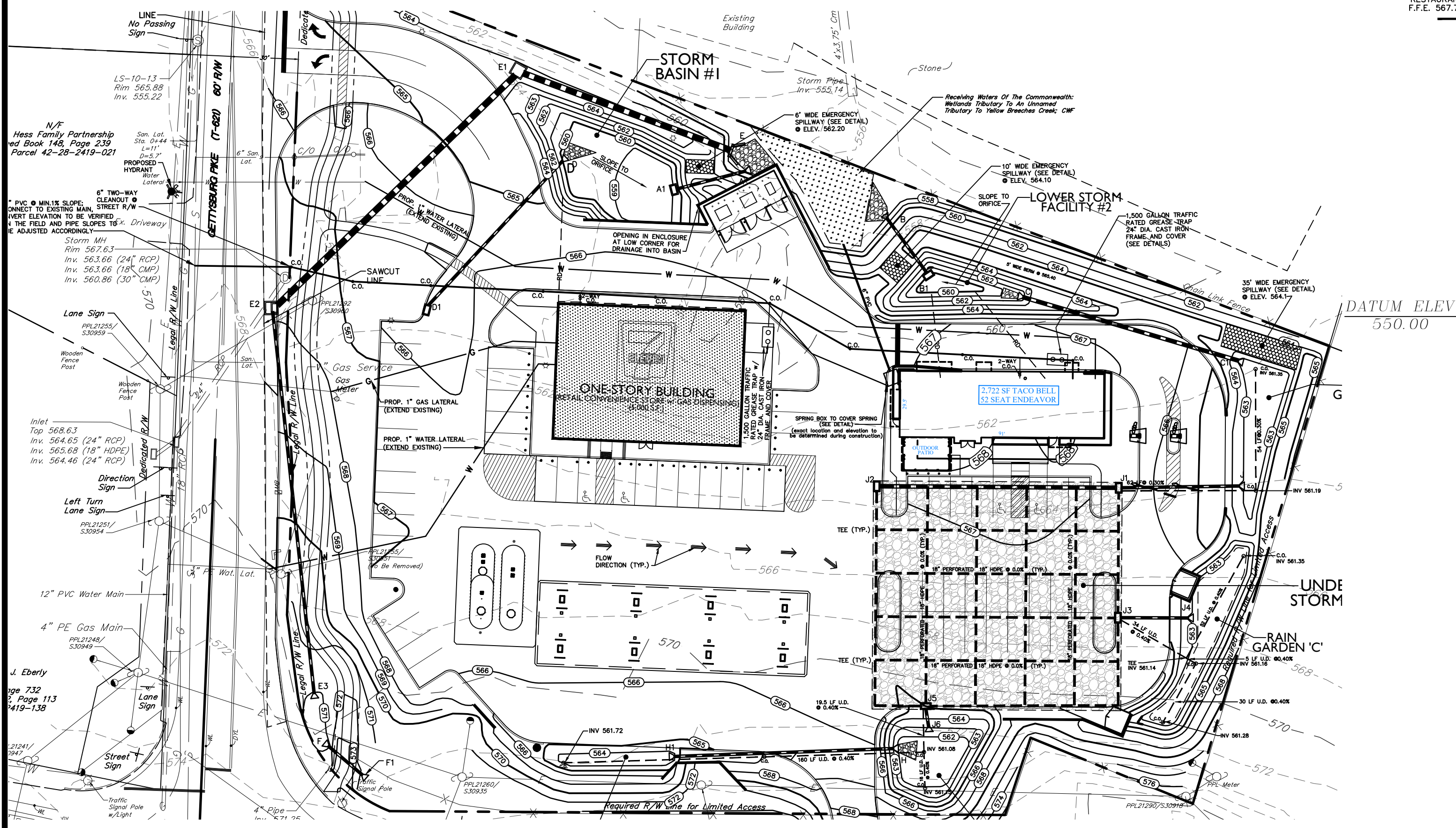
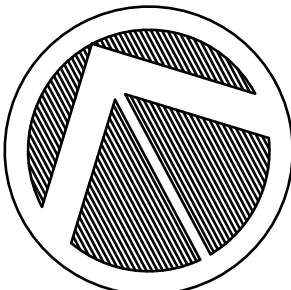
MAXIMUM DRAINAGE AREA
TO SEDIMENT TRAP #1 = 2.29 AC.

MAXIMUM DRAINAGE AREA
TO SEDIMENT TRAP #2 = 1.14 AC.



EROSION CONTROL PLAN
PRELIMINARY / FINAL SUBDIVISION AND LAND DEVELOPMENT PLAN
FOR
151 GETTYSBURG PIKE
UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA

PROJECT NO. 319590
SURVEY BOOK :
SCALE : 1" = 30'
DWG. Y:\19\319590.dwg (319590.dwg) FILE : Dwg\Plots\Plots-Final\319590.dwg
SHEET 8 of 15

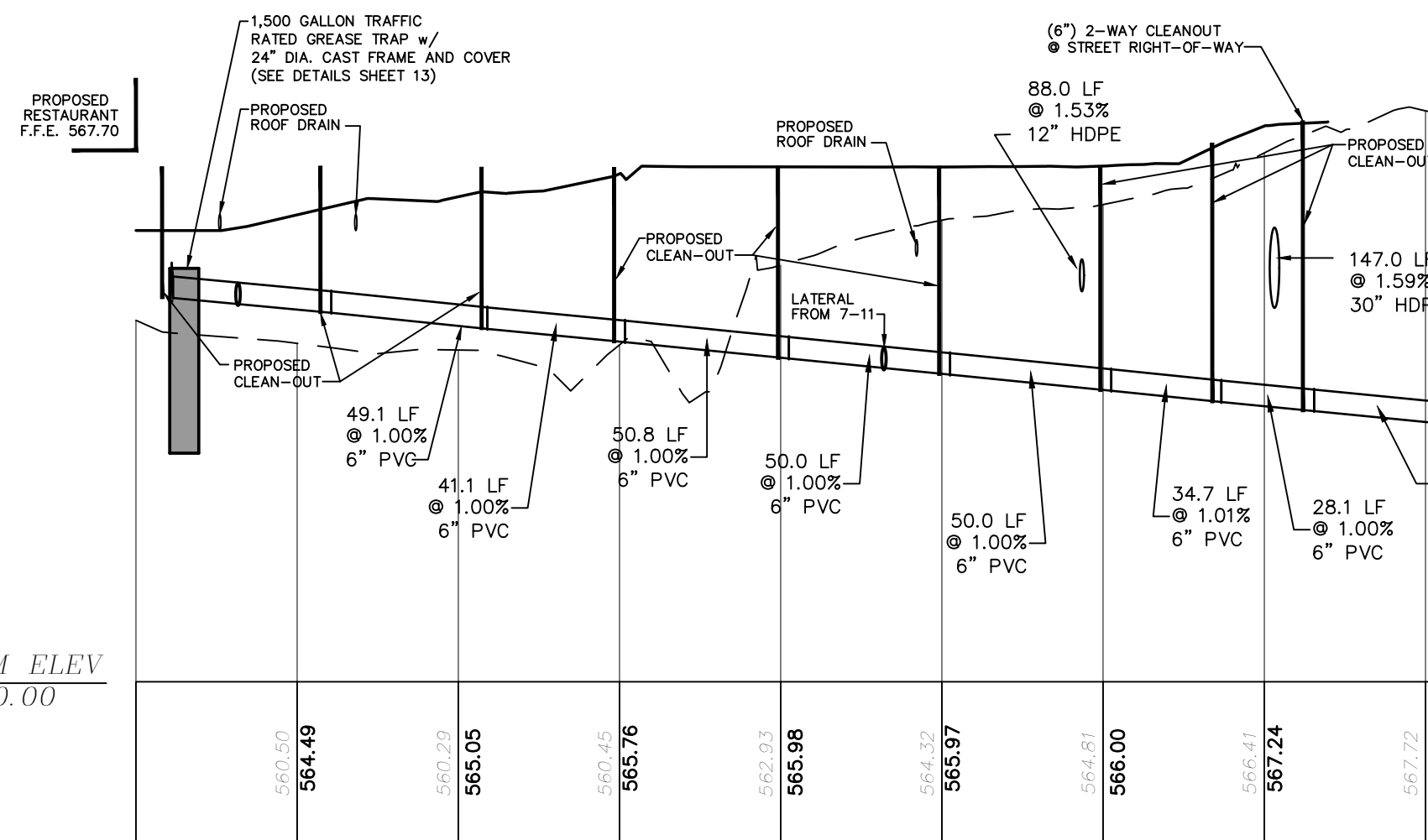


PLAN VIEW

SCALE: 1" = 40'

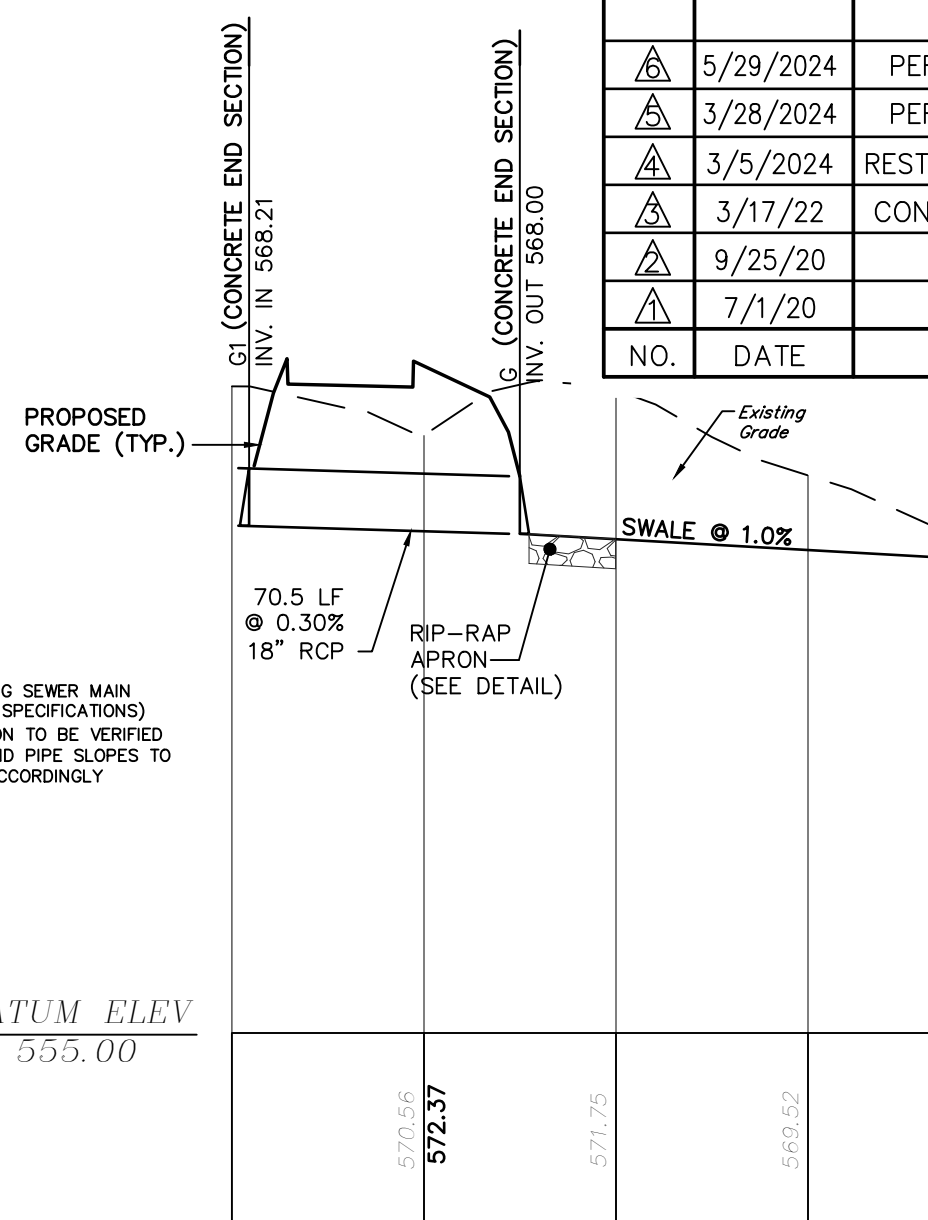
*SEE DETAIL FOR INLETS
WITH SUMP BOTTOMS

GENERALLY, CLEANOUTS SHALL BE PROVIDED IN EACH BUILDING SEWER AND AT
INTERVALS NOT TO EXCEED 60 FEET IN LENGTH UNLESS OTHERWISE AUTHORIZED
BY THE TOWNSHIP. CLEANOUTS SHALL BE CONSTRUCTED AS SHOWN ON THE
DETAIL DRAWINGS.



SANITARY SEWER LATERAL

SCALE: 1"=50'H
1"=5'V

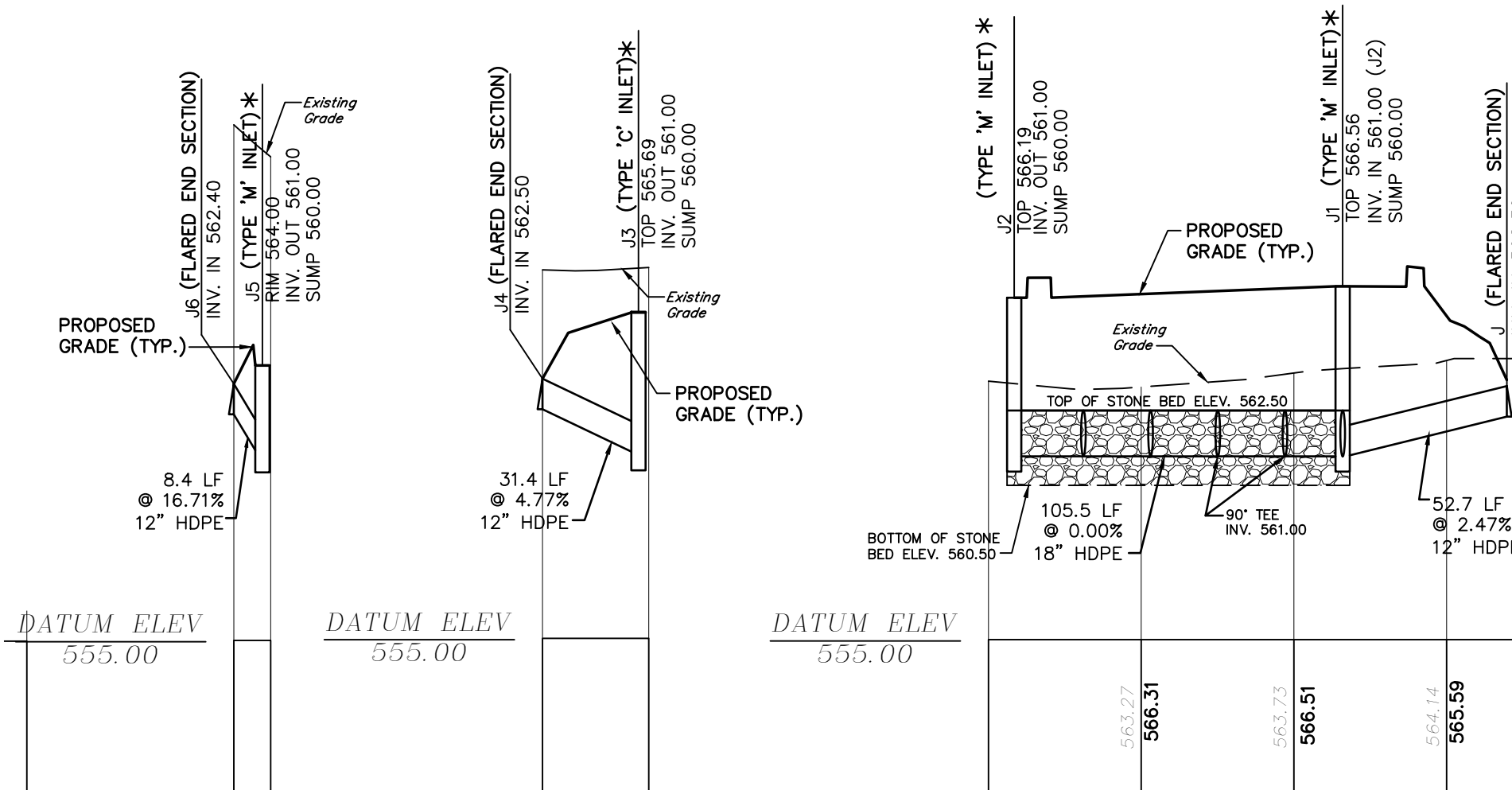


G1 TO G / SWALE #1

SCALE: 1"=50'H
1"=5'V

STORM SEWER NOTES:

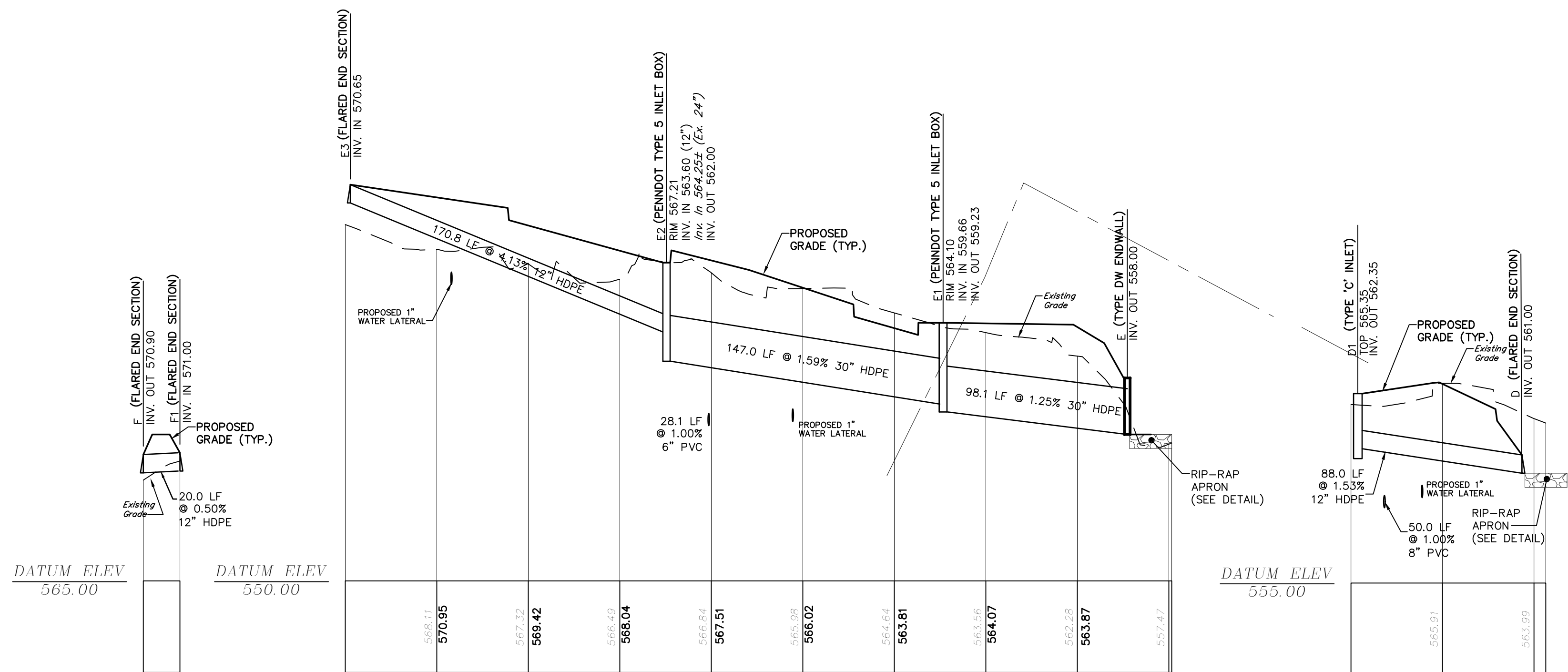
1. ALL STORM PIPES ARE TO BE WATER-TIGHT CASKED JOINT CONNECTIONS. CONNECTIONS INTO INLETS SHALL BE WATER-TIGHT. ALL PIPES ENTERING OR EXISTING SHALL BE CUT FLUSH WITH THE INLET WALL.
2. HOPE = SMOOTH INTERIOR CORRUGATED PLASTIC PIPE.
3. STORM INLETS OVER 5 FEET IN DEPTH SHALL BE EQUIPPED WITH PENNDOT RC-39M LADDER RUNGS.
4. ALL STORM INLETS SHALL HAVE HEAVY DUTY BICYCLE SAFE GRATES CONSISTENT WITH PENNDOT PUBLICATION 72M.
5. STORM INLETS OUTSIDE OF PUBLIC STREET RIGHTS-OF-WAY MAY USE PENNDOT APPROVED OR EQUIVALENT PRODUCTS PRODUCED BY MONARCH PRODUCTS COMPANY, INC. OF YORK HAVEN, PA, SUCH AS WITH AN 8" SLAB TOP.
6. ALL BACKFILL FOR UTILITIES AND STORM SEWERS SHALL BE SUITABLE BACKFILL MATERIAL WITH NO STONES OVER FOUR INCHES IN DIAMETER AND NO ORGANIC MATTER, COMPACTED TO WITHIN 3% OF THE OPTIMUM MATERIAL MOISTURE CONTENT AND PLACED IN NOT GREATER THAN EIGHT-INCH LIFTS.



J6 TO J5
SCALE: 1"=50'H
1"=5'V

J4 TO J3
SCALE: 1"=50'H
1"=5'V

J2 TO J
SCALE: 1"=50'H
1"=5'V



F1 TO F
SCALE: 1"=50'H
1"=5'V

E3 TO E
SCALE: 1"=50'H
1"=5'V

D1 TO D
SCALE: 1"=50'H
1"=5'V

A1 TO A
SCALE: 1"=50'H
1"=5'V

C1 TO C
SCALE: 1"=50'H
1"=5'V

B1 TO B
SCALE: 1"=50'H
1"=5'V

H1 TO H
SCALE: 1"=50'H
1"=5'V

UTILITY PROFILES
FOR
PRELIMINARY / FINAL SUBDIVISION AND LAND DEVELOPMENT PLAN
151 GETTYSBURG PIKE
UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA

PROJECT NO.
319590
SURVEY BOOK :
SCALE : AS NOTED
DWG : Y:\19\319590.dwg
FILE : Dwg\19\319590.dwg
SHEET 9 of 15

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SEAL

SEAL

SEAL

SEAL

5/29/2024	PER TOWNSHIP COMMENTS	BKK	DESIGN :	T.C.S.
3/28/2024	PER TOWNSHIP COMMENTS	BKK	DRAWN :	G.D.G.
3/5/2024	RESTAURANT AREA REVISIONS	BKK	CHECKED :	J.K.M.
3/17/22	CONDITIONS OF APPROVAL	SRR	DATE :	6/1/2020
9/25/20	REVIEW COMMENTS	GDC	REV :	
7/1/20	REVIEW COMMENTS	GDC		
NO.	DATE	DESCRIPTION	BY	

PLANNING • ENGINEERING • SURVEYING
115 LIMEKILN RD., P.O. BOX 9
NEW CUMBERLAND, PA 17070
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SEAL

SEAL

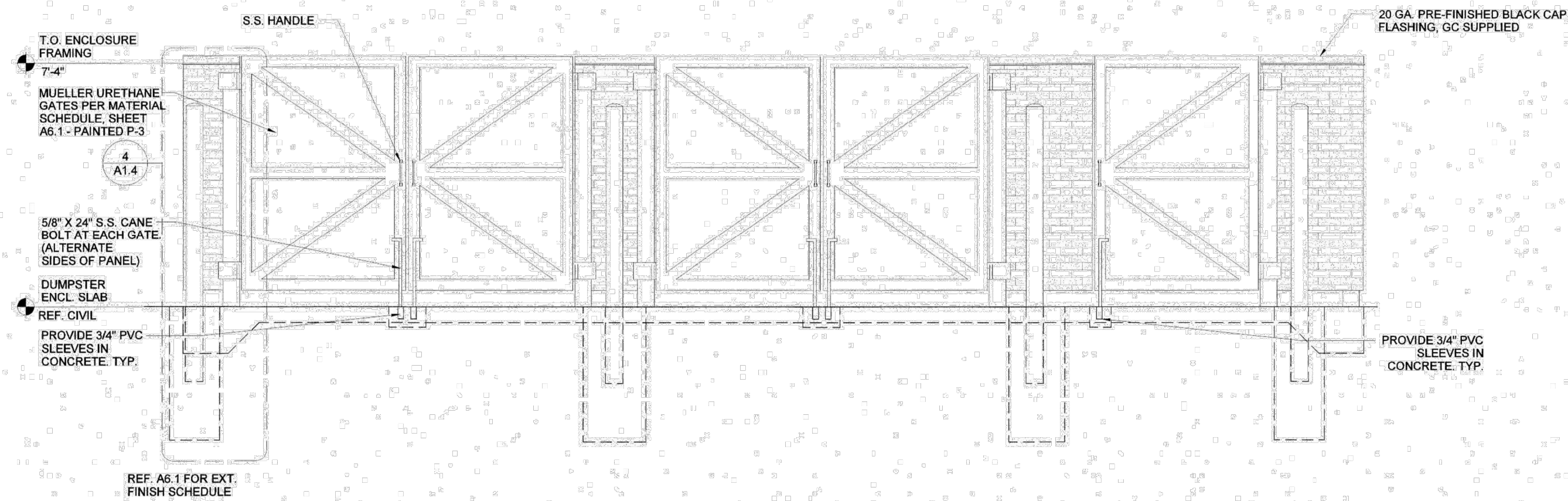
MISCELLANEOUS DETAILS
FOR
PRELIMINARY / FINAL SUBDIVISION AND LAND DEVELOPMENT PLAN

151 GETTYSBURG PIKE

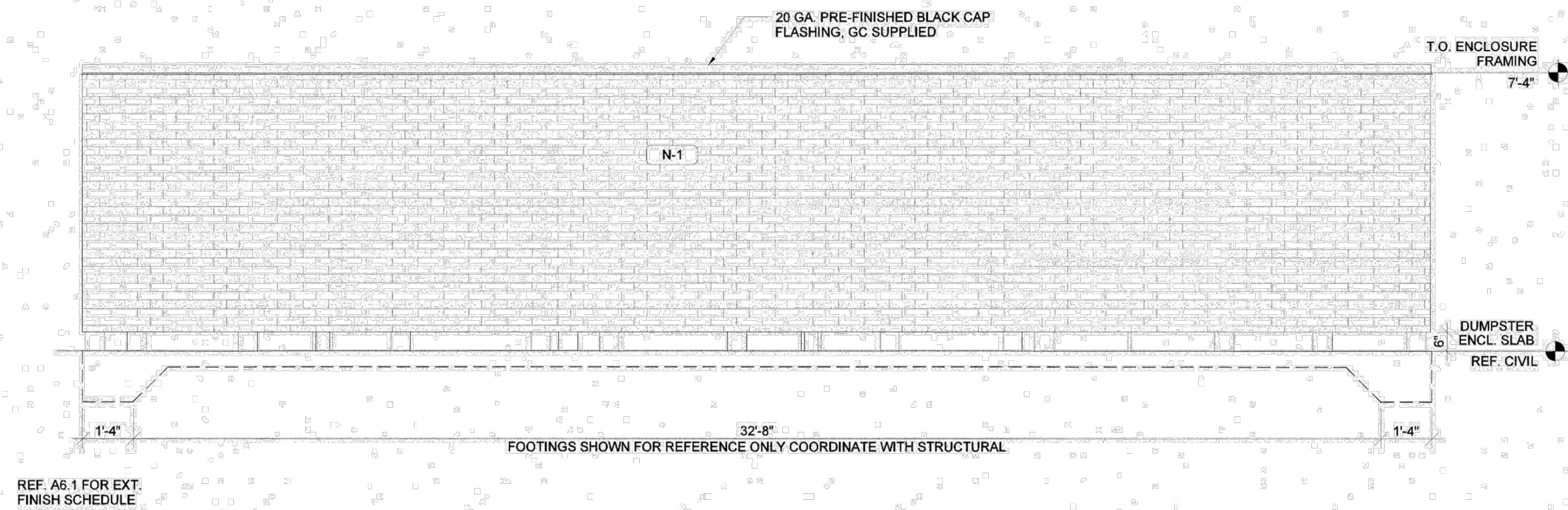
UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA

PROJECT NO.
319590
SURVEY BOOK :
SCALE : AS NOTED
DWG : Y:\19\319590.dwg
FILE : Dwg\19\319590-Final.dwg

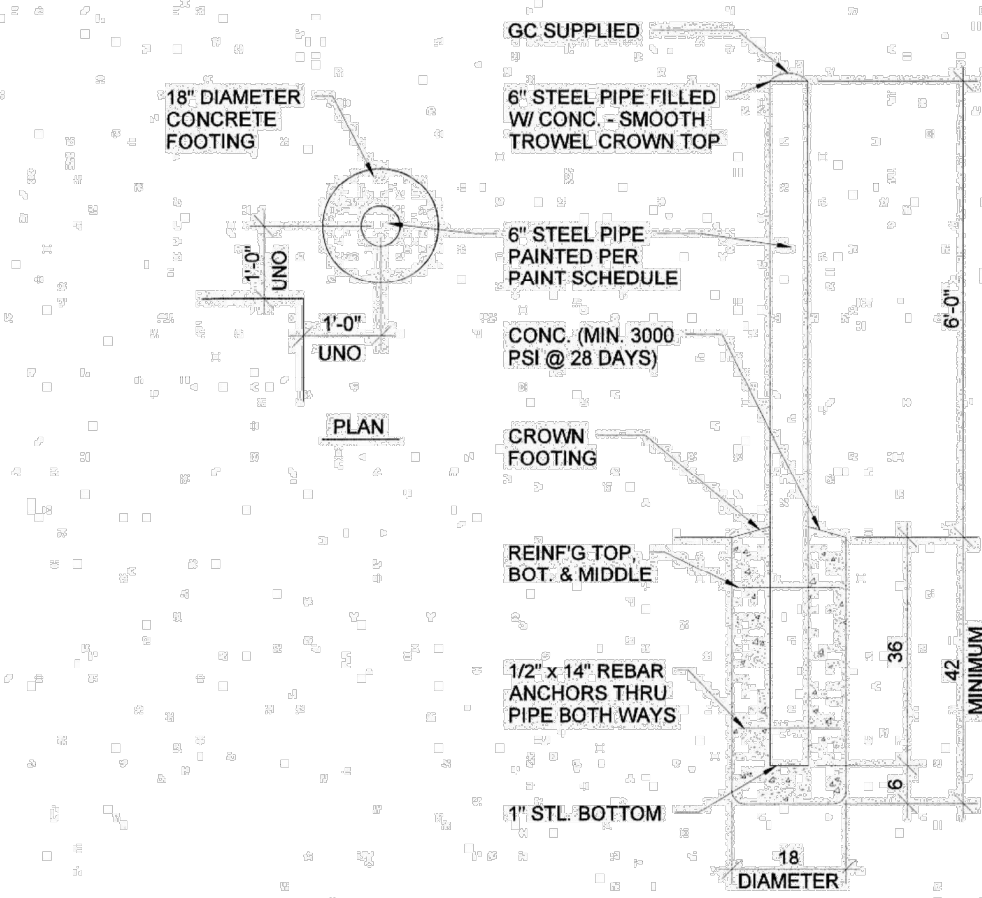
SHEET **12** of **15**



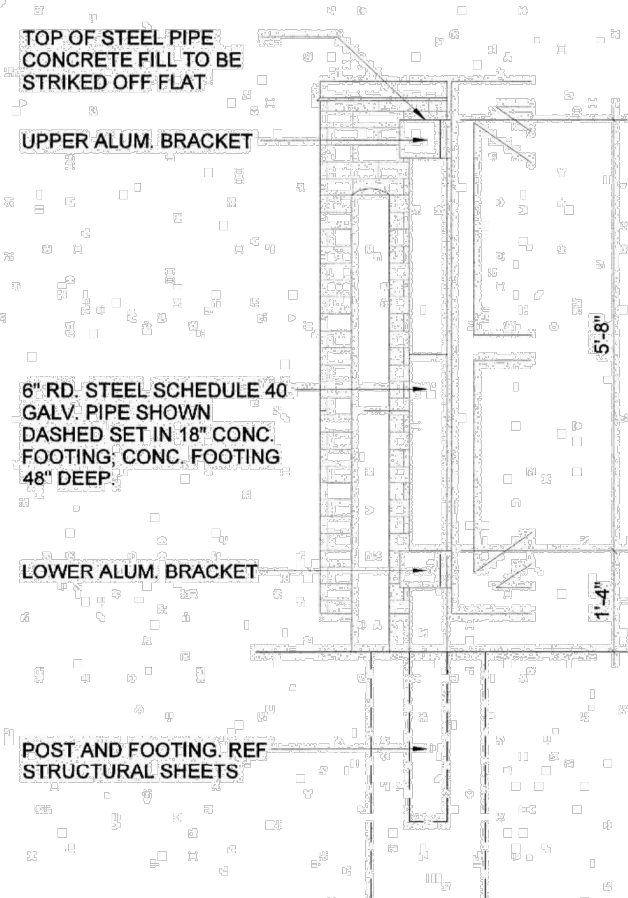
9 FRONT DUMPSTER ENCL. #1 ELEVATION
3/8" = 1'-0"



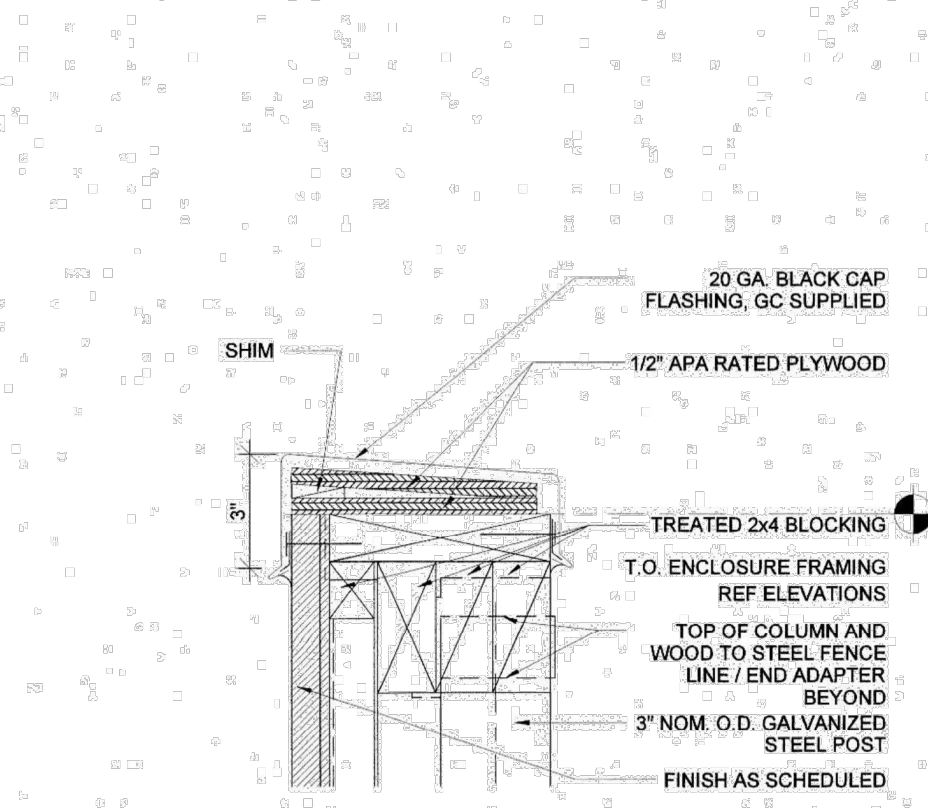
8 REAR DUMPSTER ENCL. #1 ELEVATION
3/8" = 1'-0"



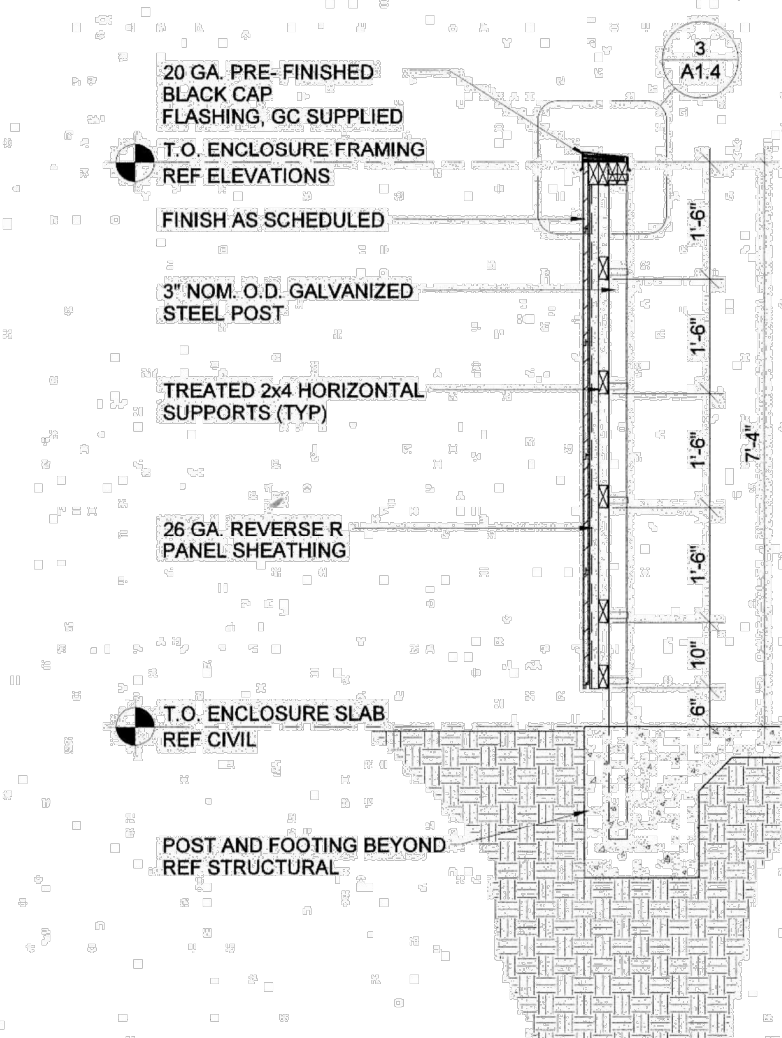
5 TYPICAL BOLLARD SECTION
1/2" = 1'-0"



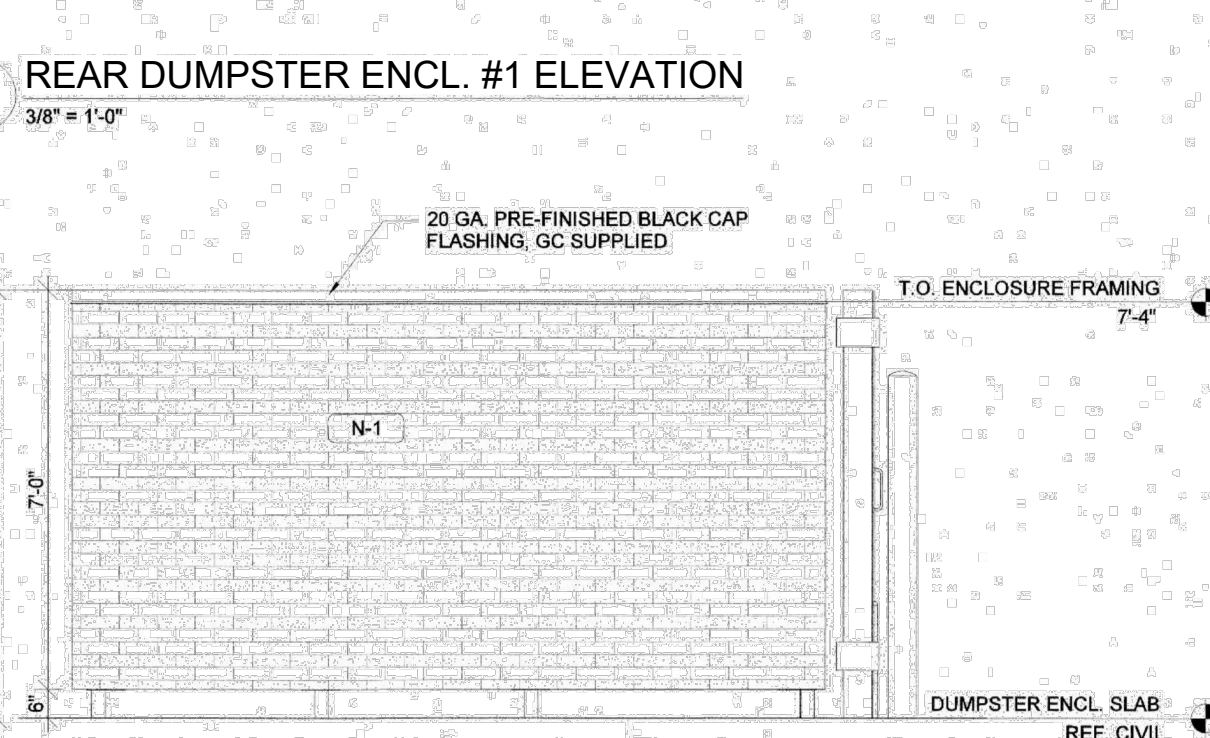
4 GATE BOLLARD DETAIL
1/2" = 1'-0"



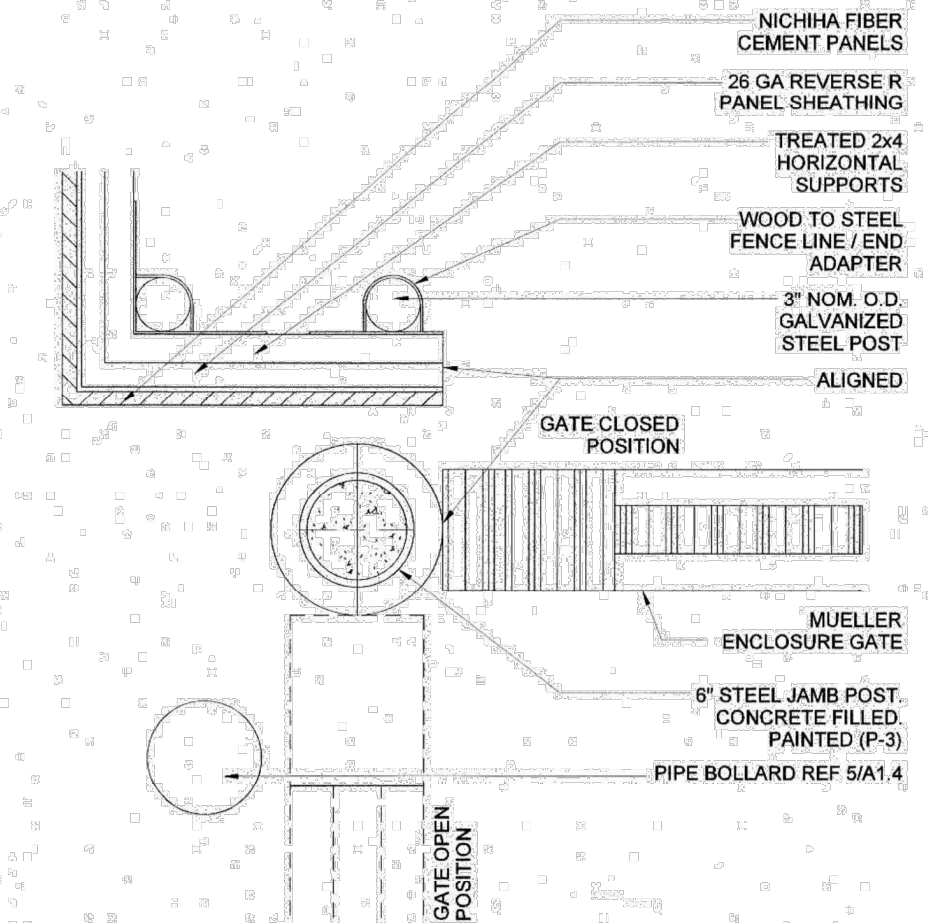
3 DETAIL - COPING; ENCLOSURE #1
3\"/>



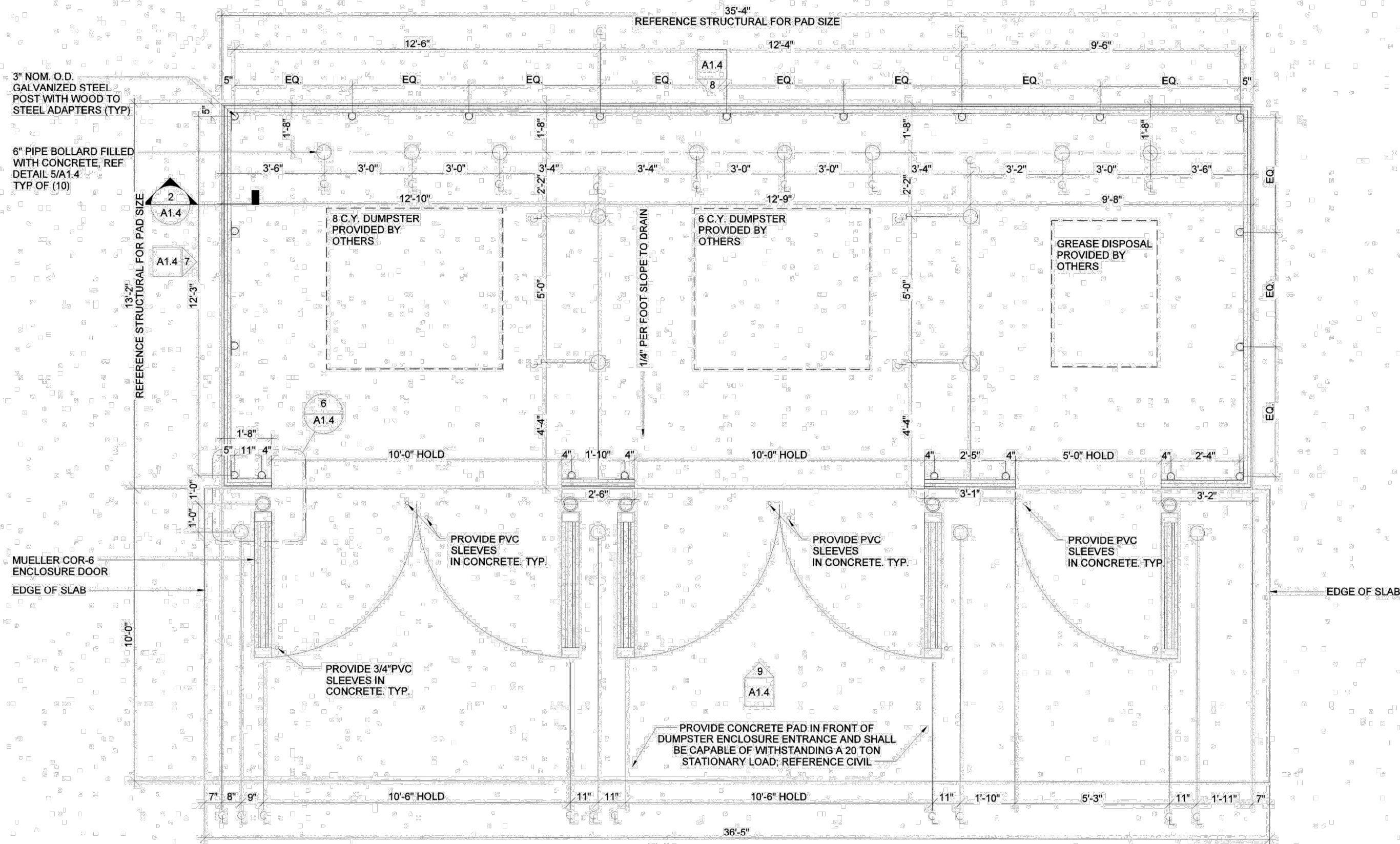
2 DUMPSTER ENCL. #1 WALL SECTION
1/2" = 1'-0"



7 SIDE DUMPSTER ENCL. ELEVATION
3/8" = 1'-0"



6 DETAIL - GATE
1 1/2" = 1'-0"

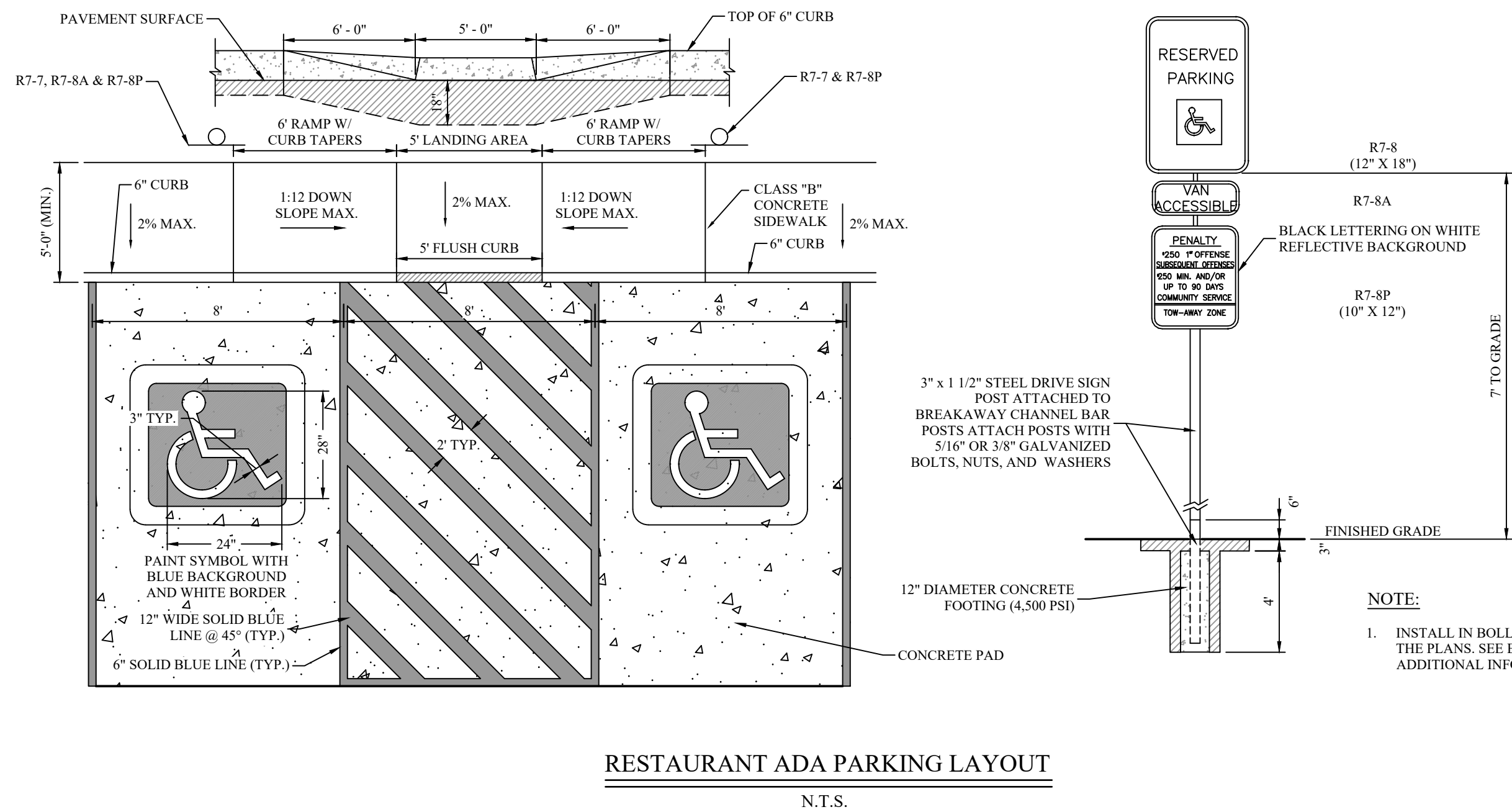
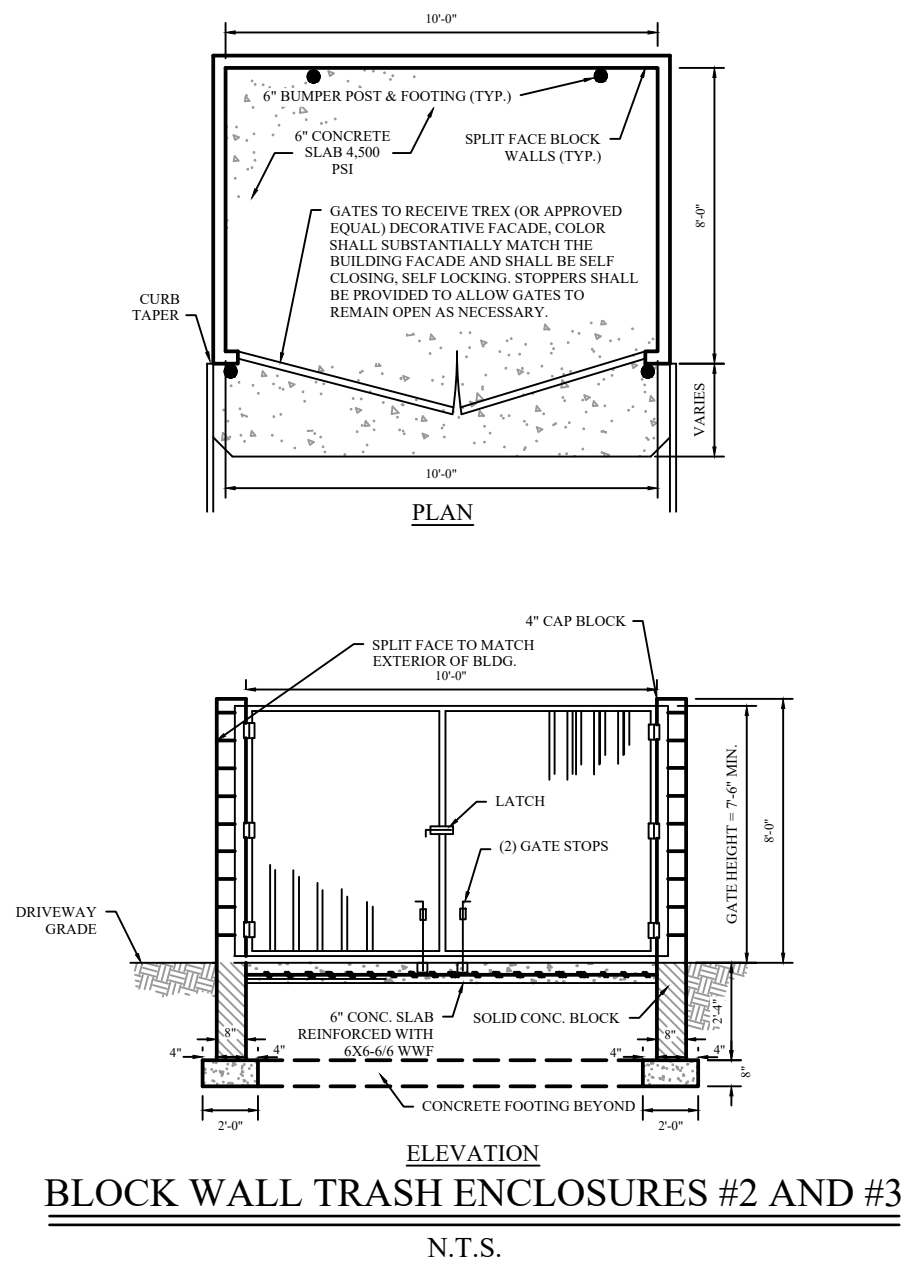
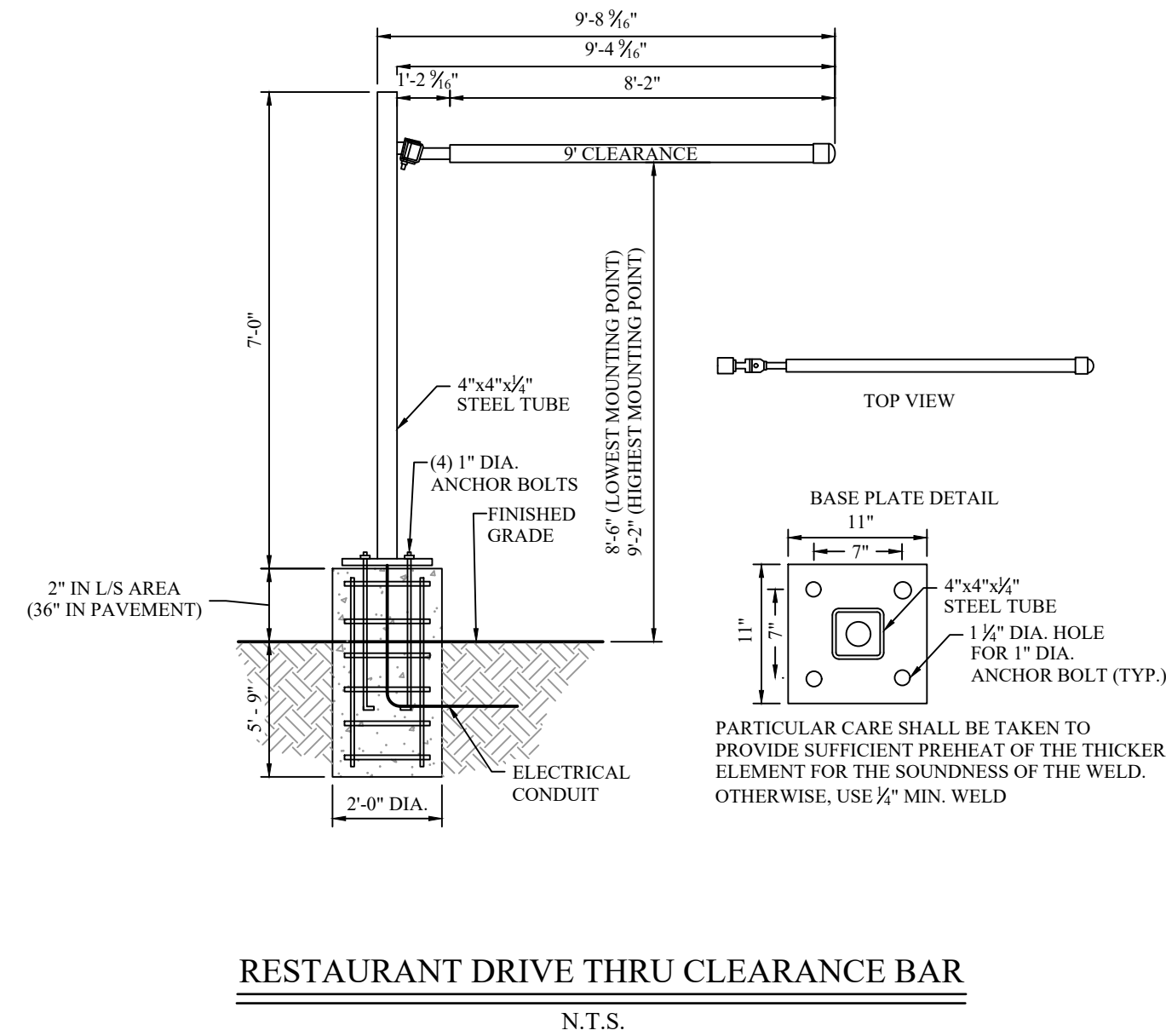
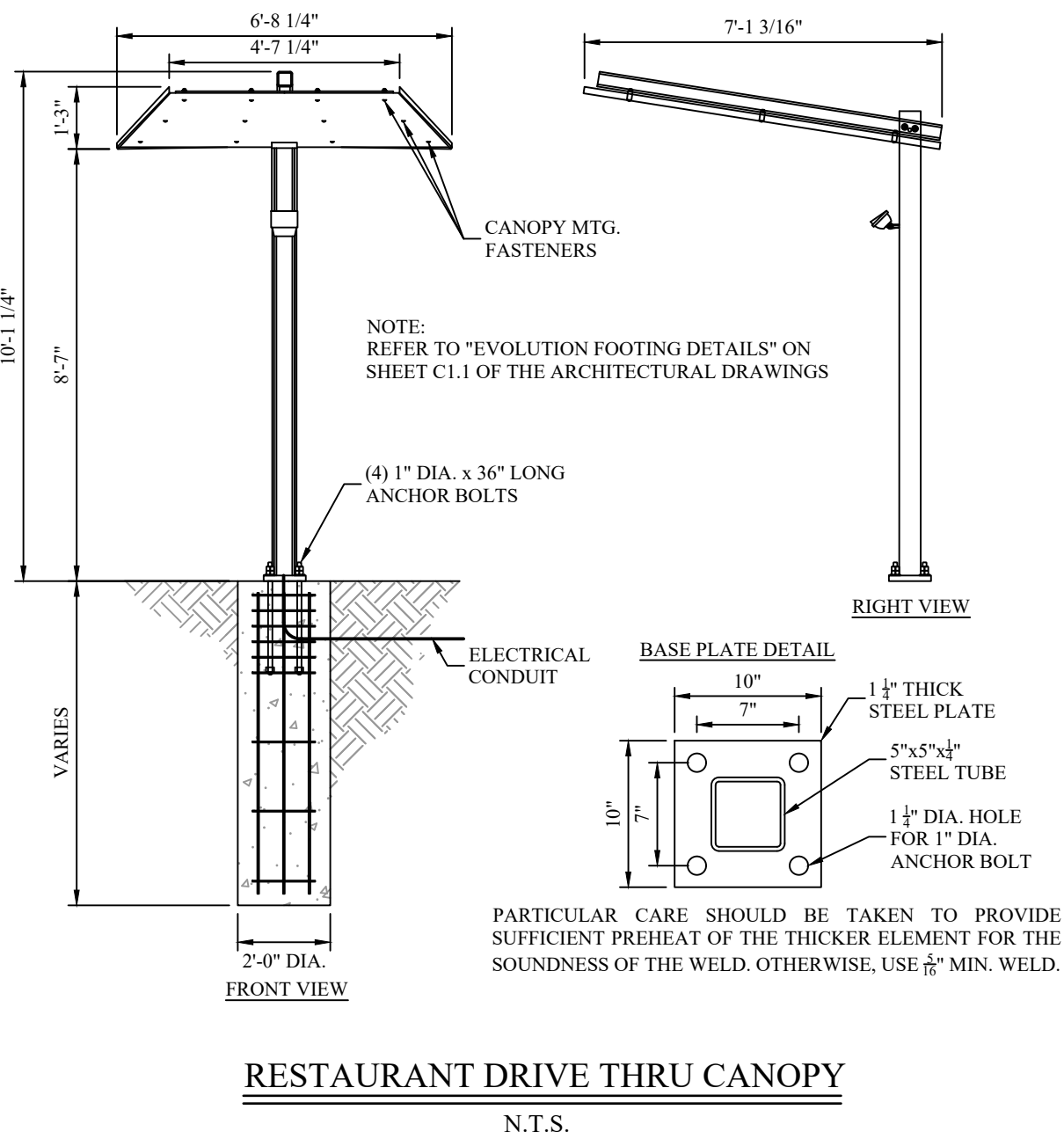
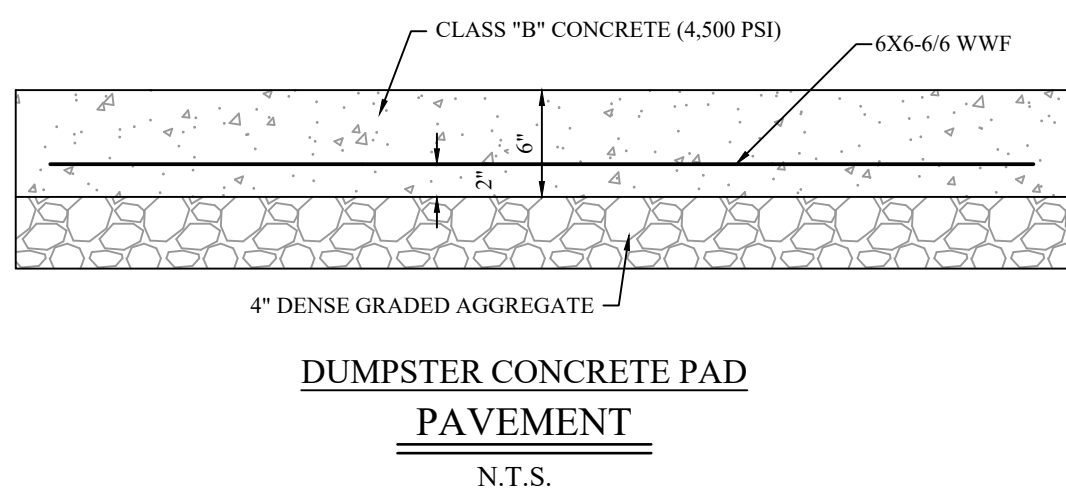


1 DUMPSTER ENCLOSURE #1 PLAN
3/8" = 1'-0"

	5/29/2024	PER TOWNSHIP COMMENTS	BKK	DESIGN : T.C.S.
	3/28/2024	PER TOWNSHIP COMMENTS	BKK	DRAWN : G.D.G.
	3/5/2024	RESTAURANT AREA REVISIONS	BKK	CHECKED : J.K.M.
	3/17/22	CONDITIONS OF APPROVAL	SRR	DATE : 6/1/2020
	9/25/20	REVIEW COMMENTS	GDG	REV :
	7/1/20	REVIEW COMMENTS	GDG	
NO.	DATE	DESCRIPTION	BY	

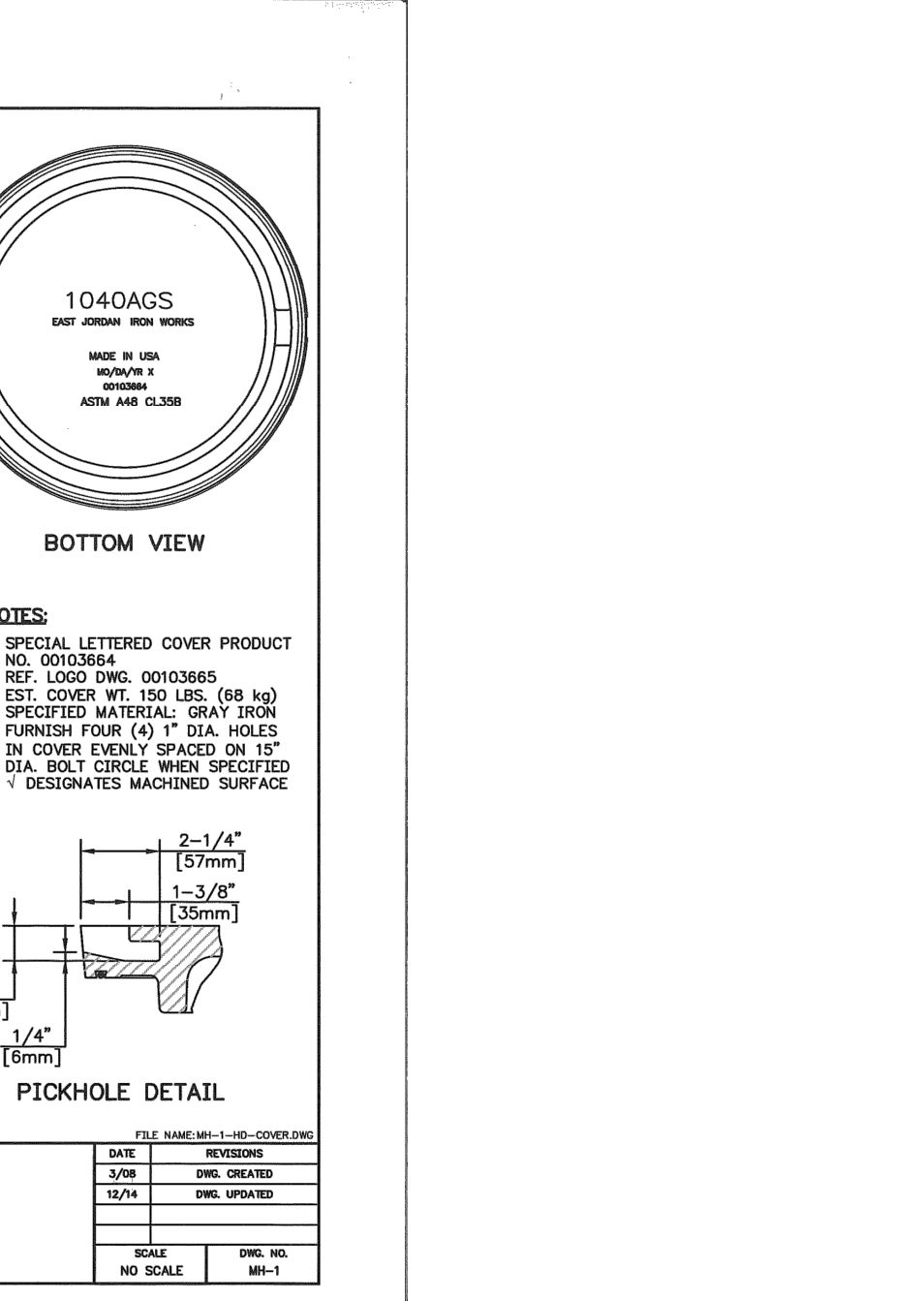
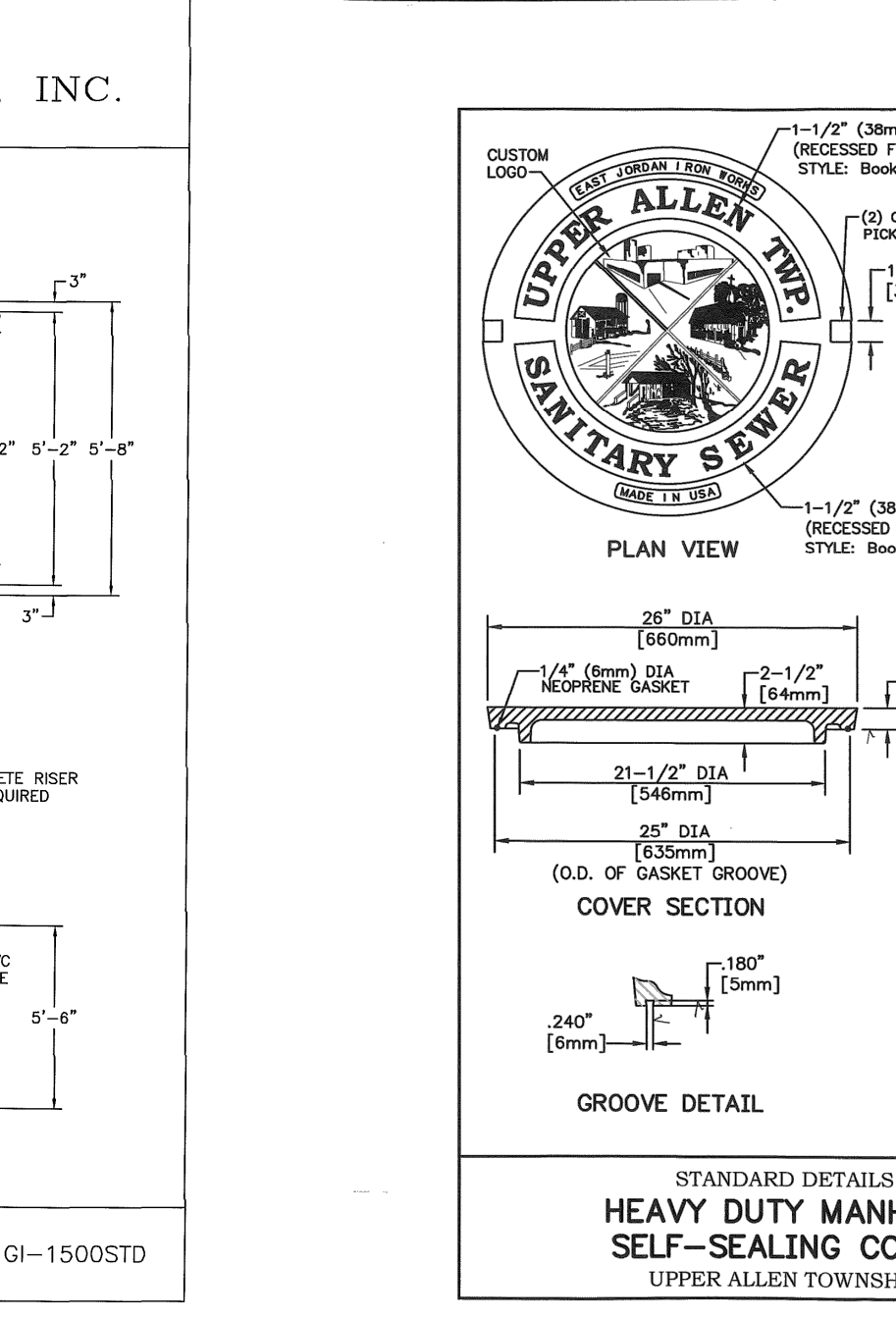
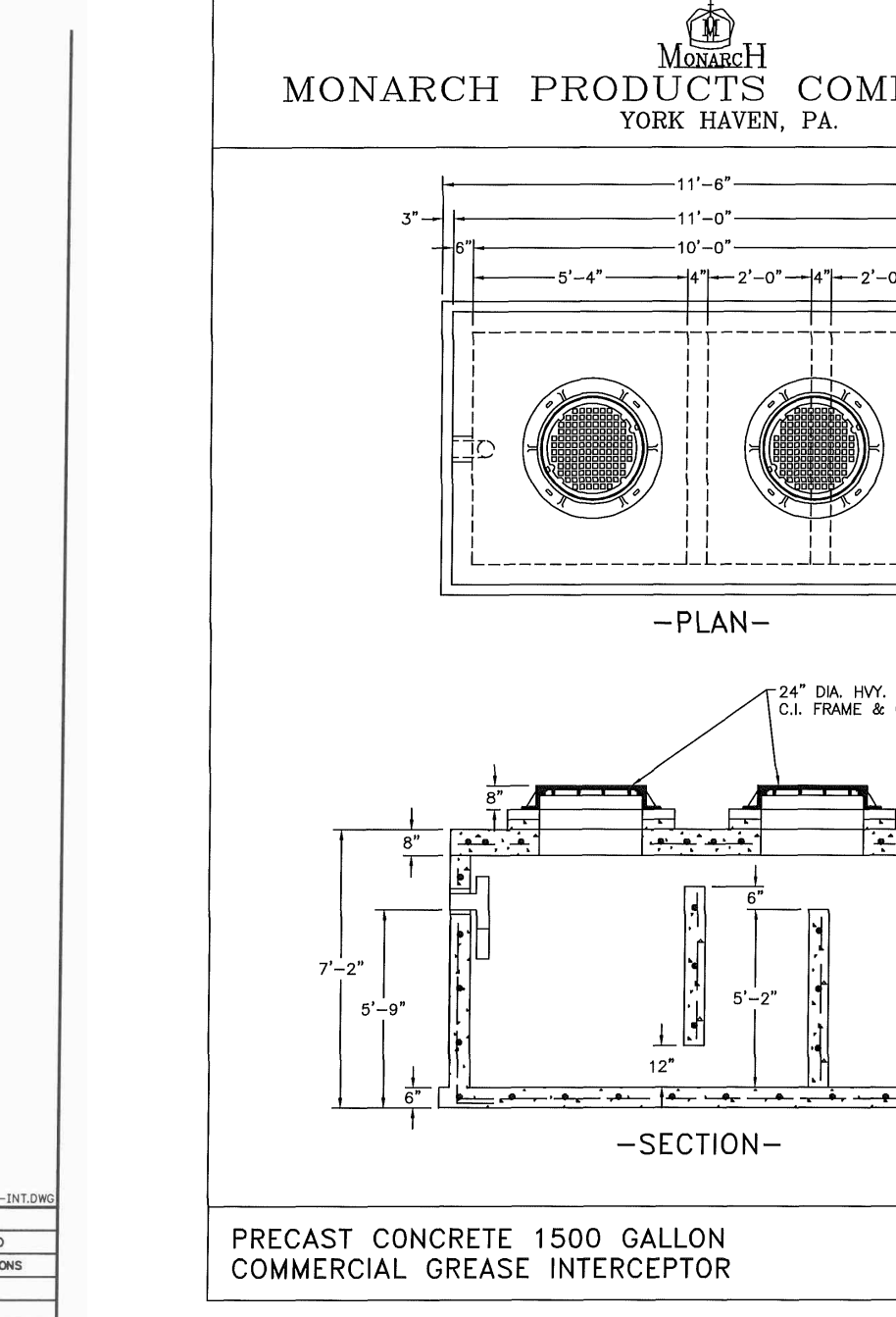
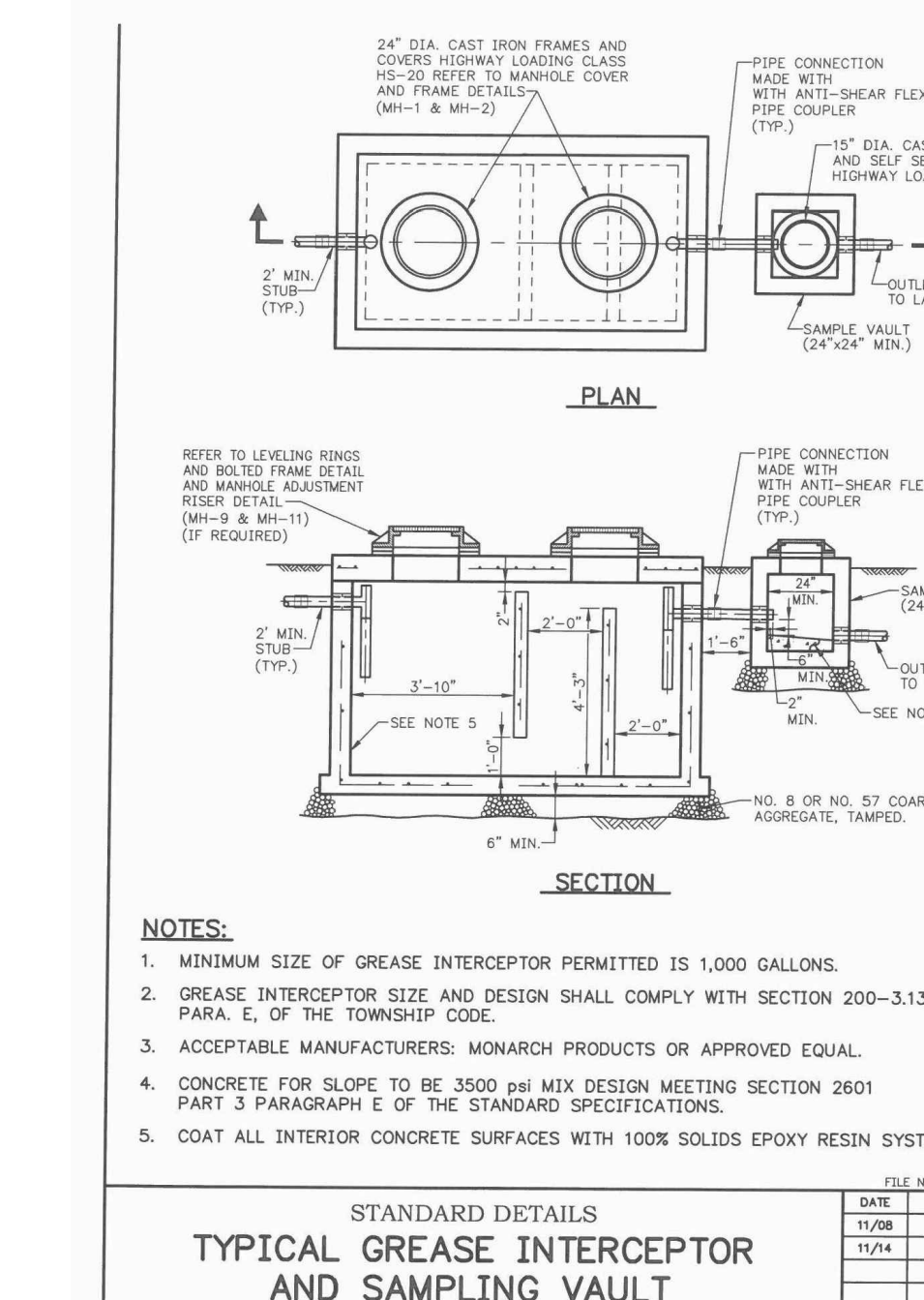
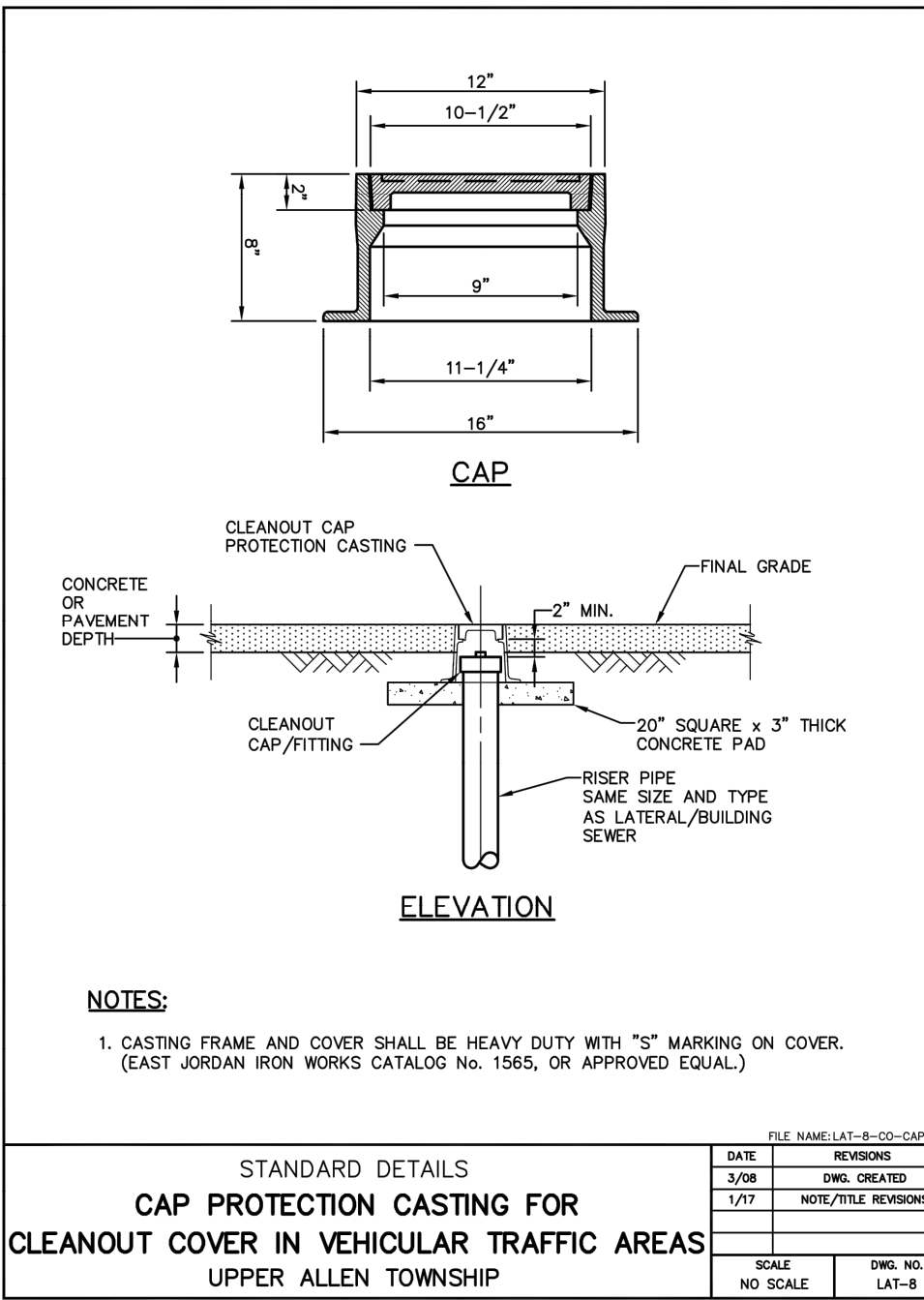
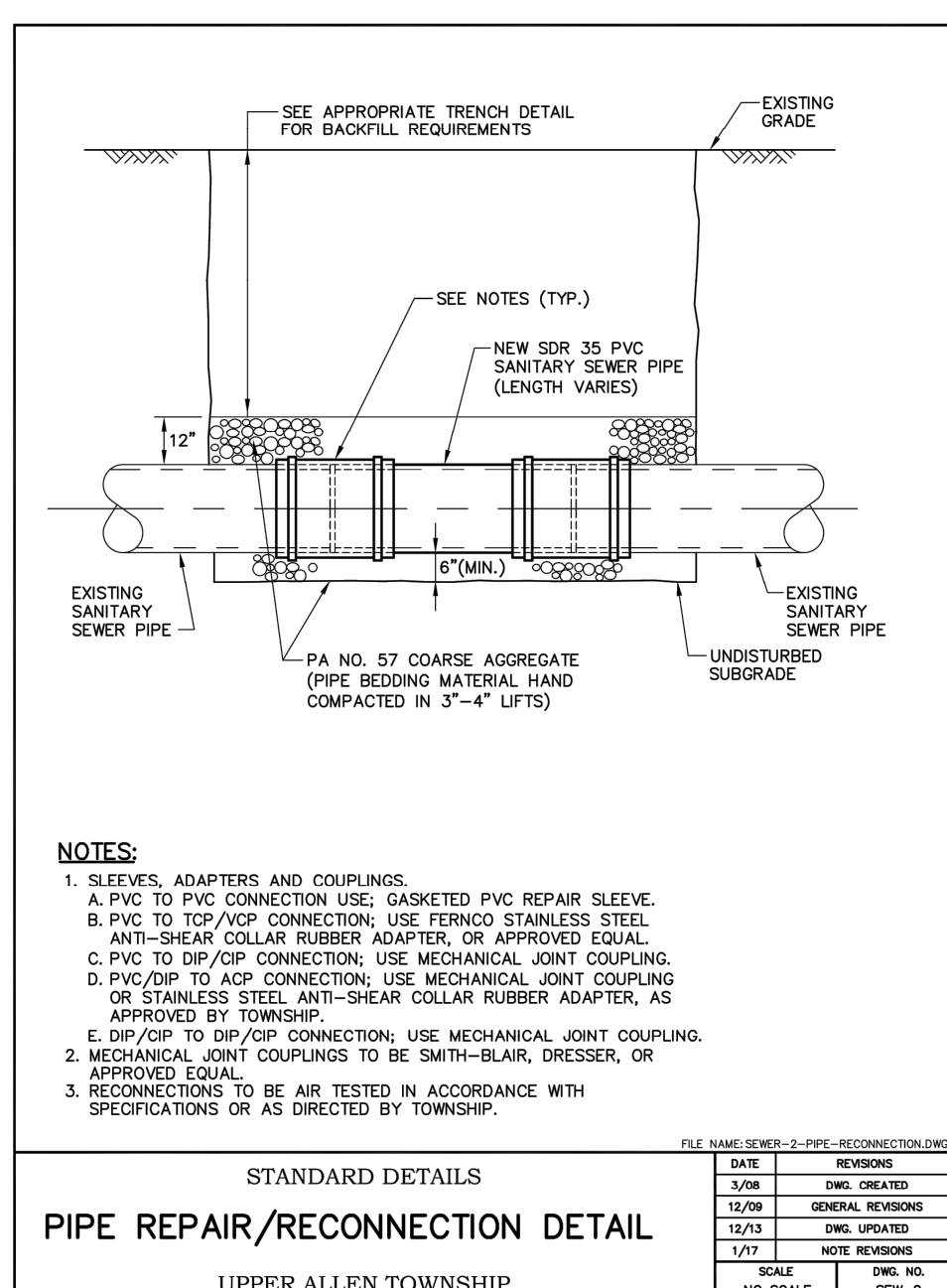
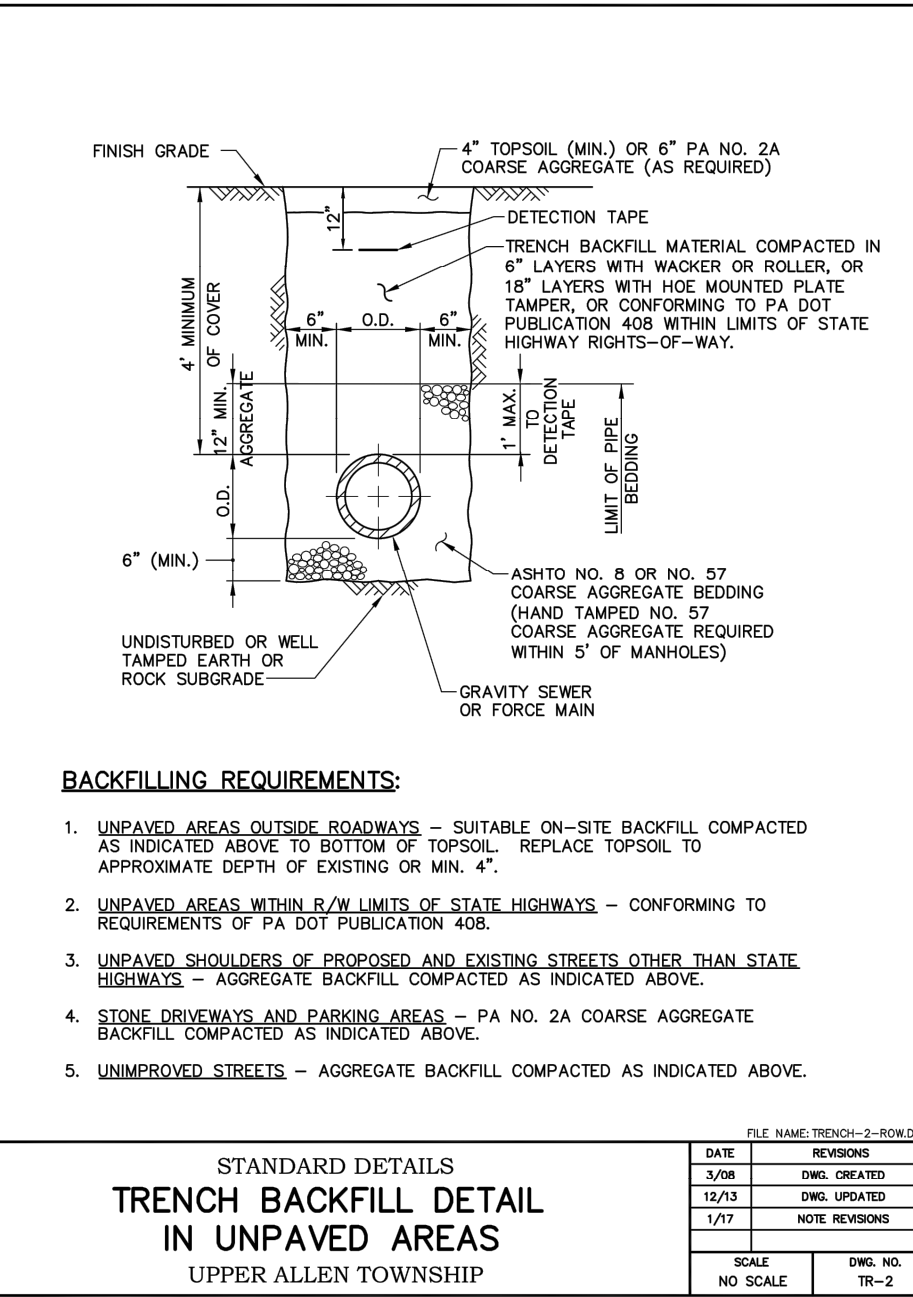
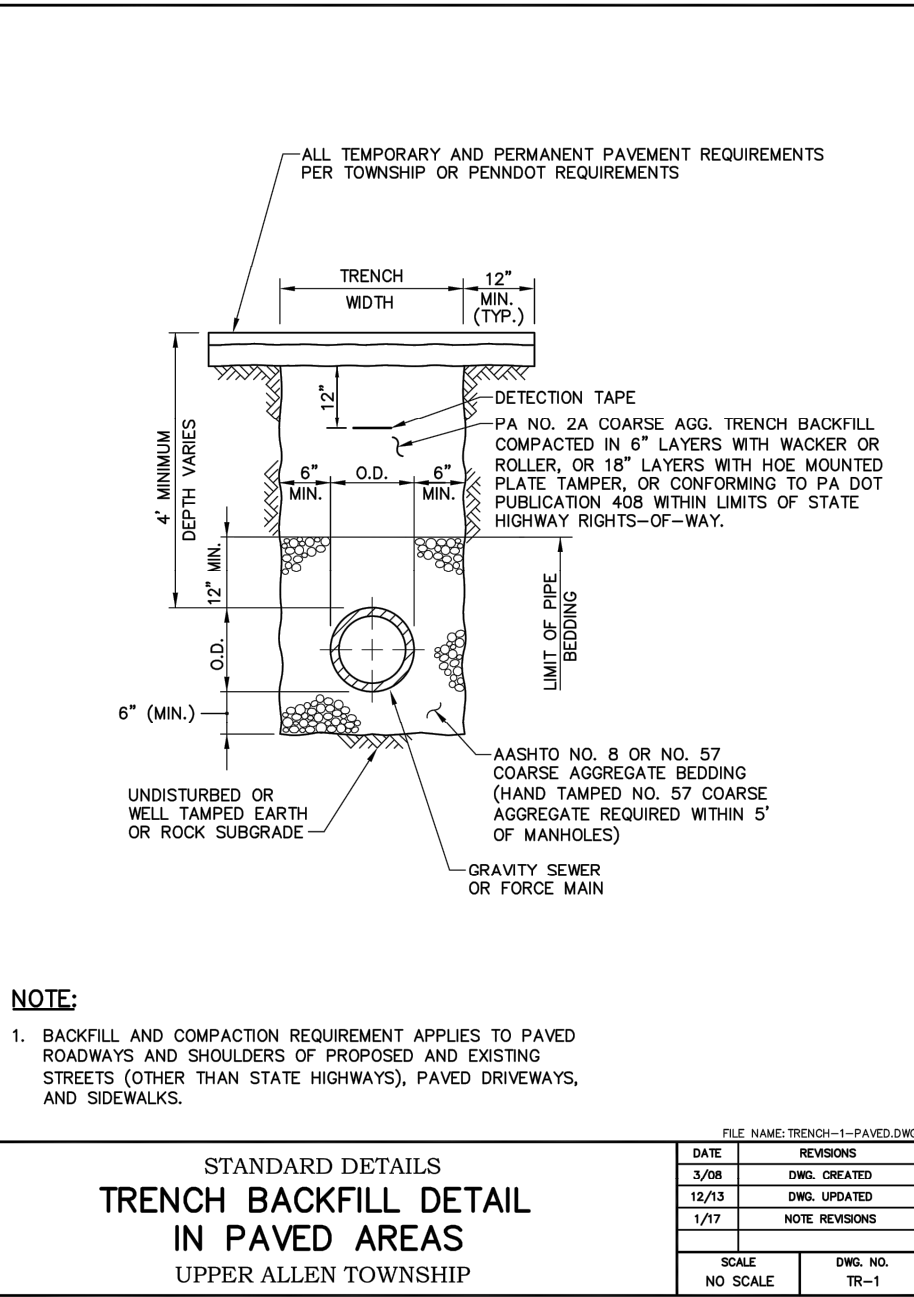
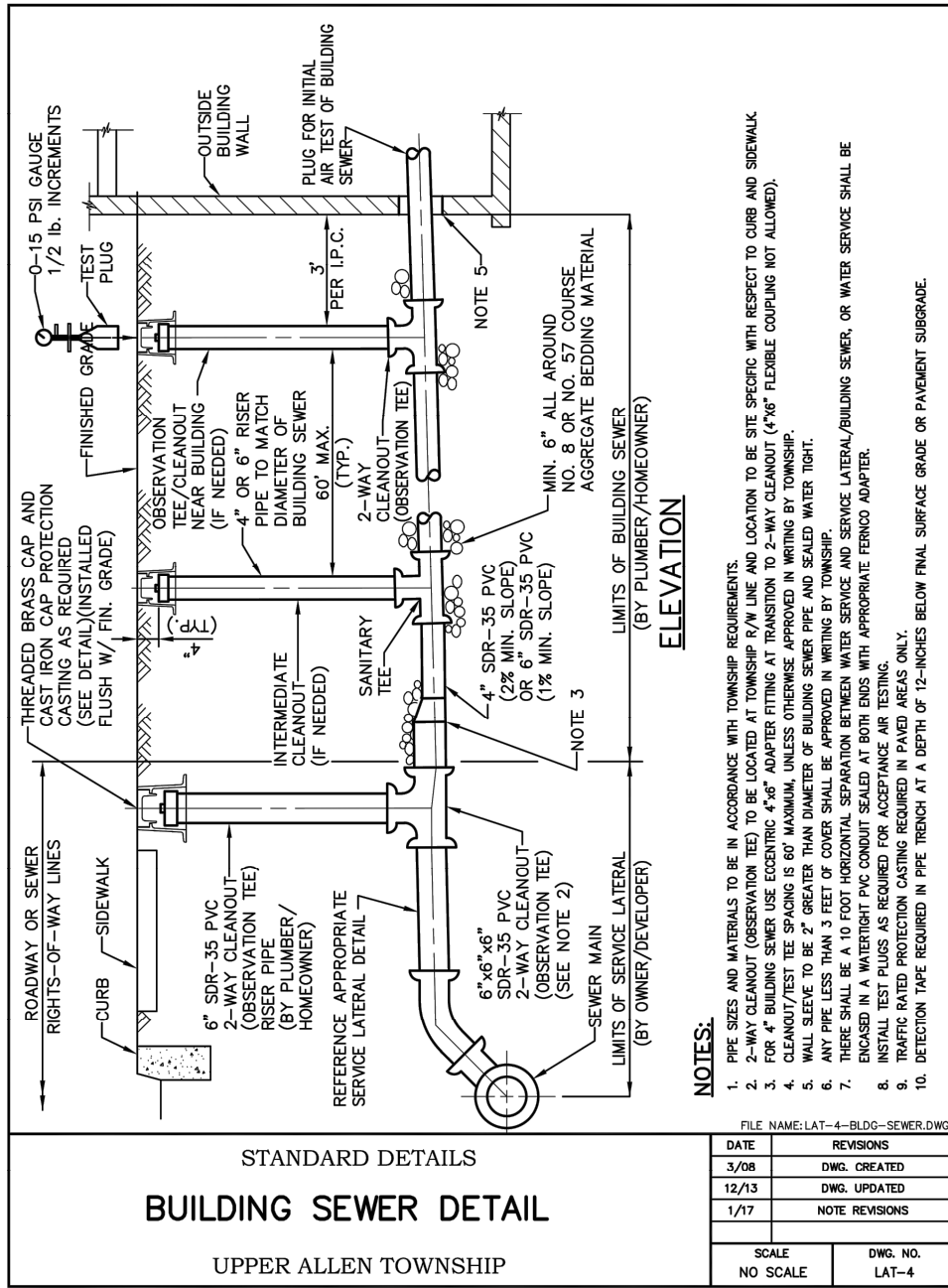
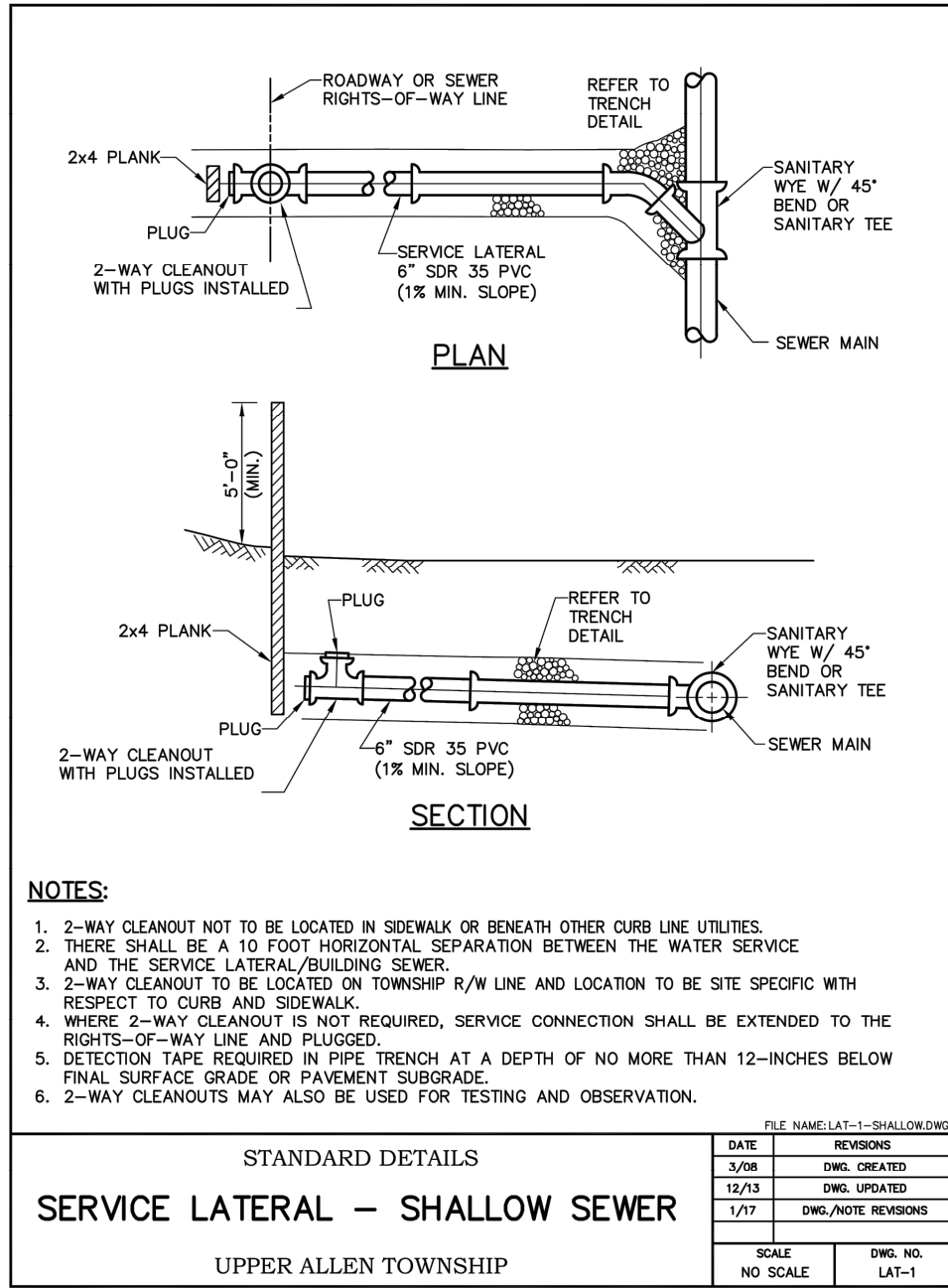
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MISCELLANEOUS DETAILS
FOR
PRELIMINARY / FINAL SUBDIVISION AND LAND DEVELOPMENT PLAN
151 GETTYSBURG PIKE
UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA

PROJECT NO. 319590	SHEET 12A of 15
SURVEY BOOK :	
SCALE : AS NOTED	
DWG : Y:\19\319590.dwg FILE : D:\19\319590-Final\19-03-24-15.dwg	



5/29/2024	PER TOWNSHIP COMMENTS	BKK	DESIGN : T.C.S.
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9/25/20	REVIEW COMMENTS	GDG	REV :
7/1/20	REVIEW COMMENTS	GDG	
NO.	DATE	DESCRIPTION	BY

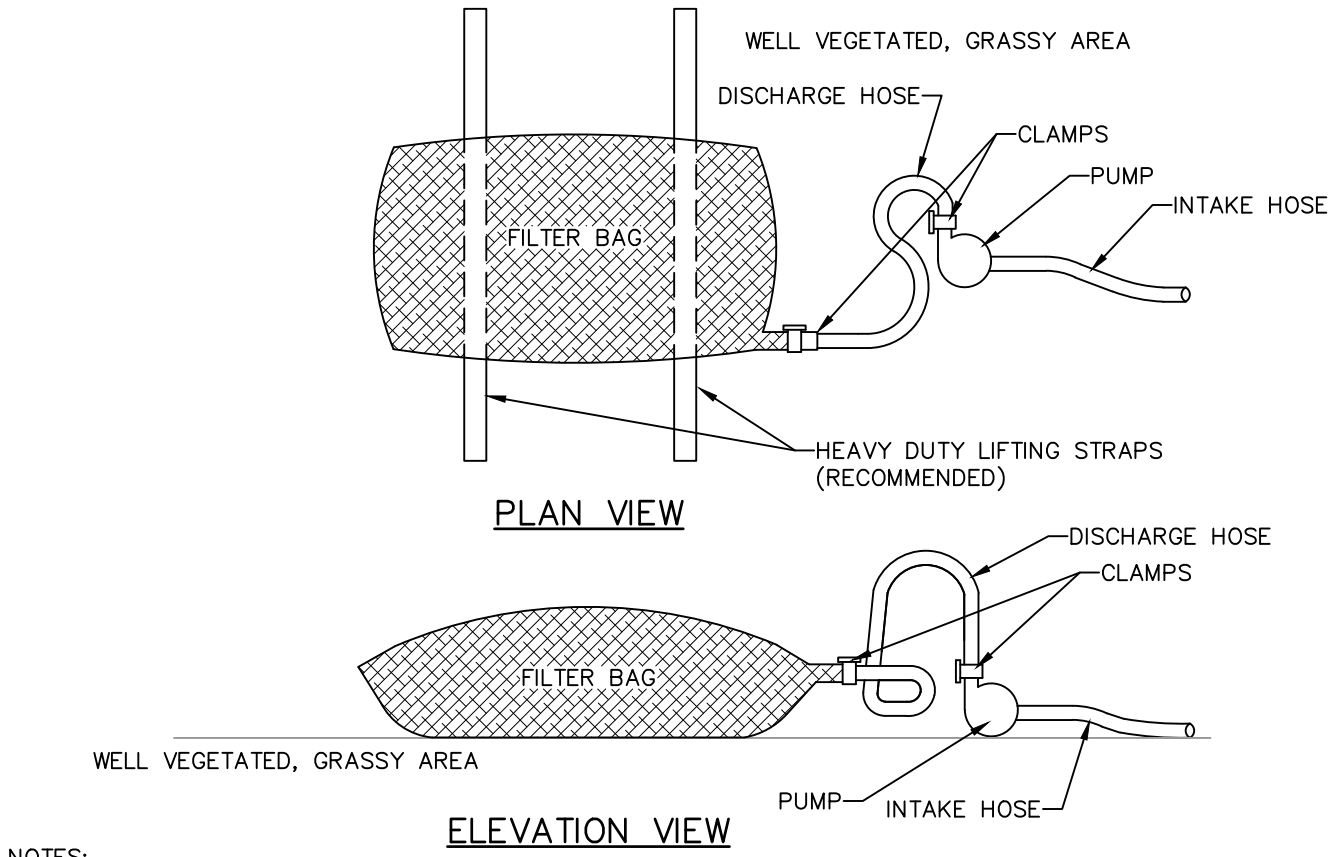
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SEAL

SEAL

SANITARY SEWER DETAILS
 PRELIMINARY / FINAL SUBDIVISION AND LAND DEVELOPMENT PLAN
 FOR
151 GETTYSBURG PIKE
 UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA

PROJECT NO.
 319590
 SURVEY BOOK :
 SCALE : 1" = 30'
 DWG : Y:\19\319590.dwg (3/18/2024)
 FILE : Dwg\19\319590-Final.dwg
 SHEET **13** of **15**



NOTES:

LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS, WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5% FOR SLOPES EXCEEDING 5% CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

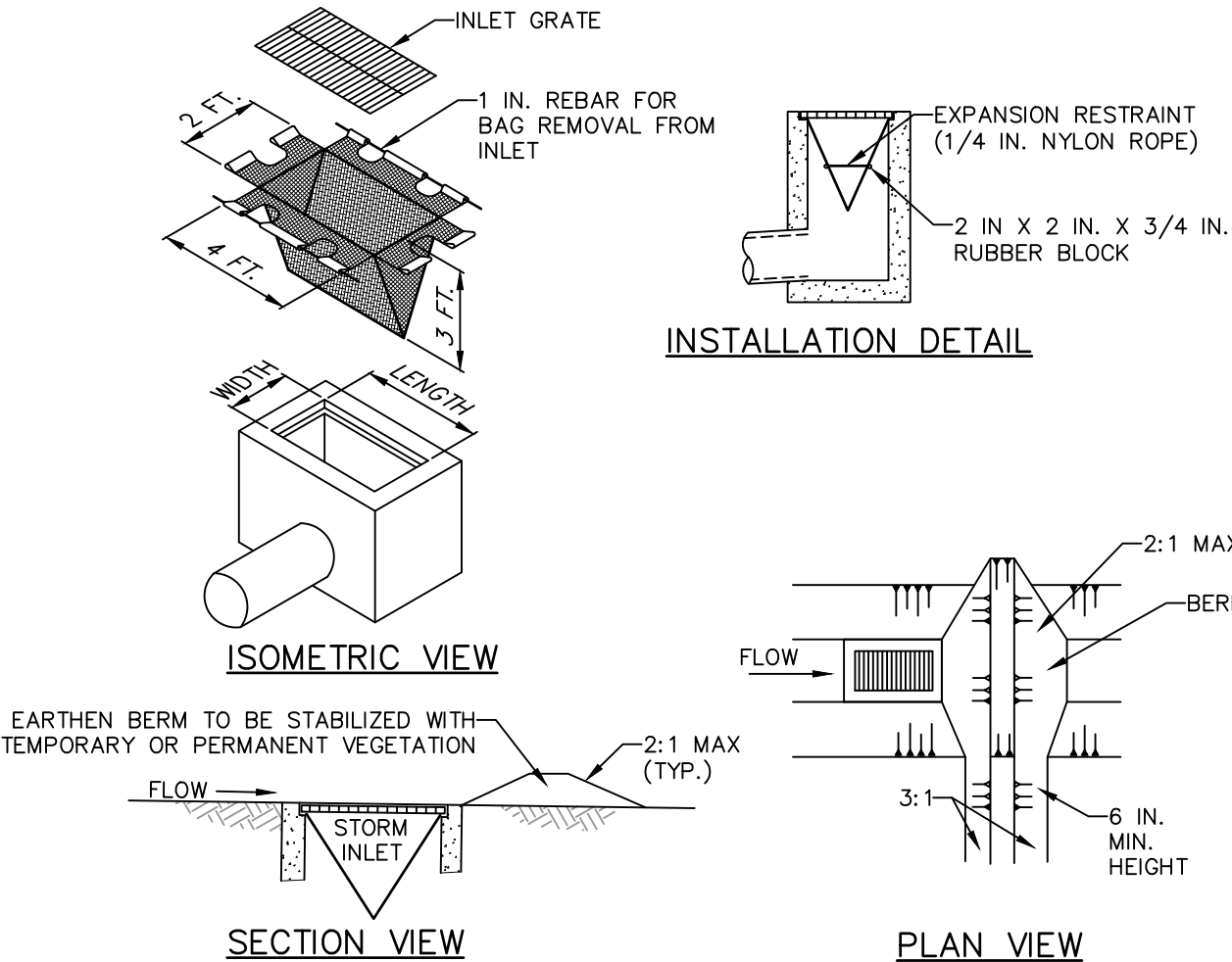
THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

PUMPED WATER FILTER BAG

NTS



NOTES:

MAXIMUM DRAINAGE AREA = 1/2 ACRE.

INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.

ROLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR REMAIN PERMANENTLY.

AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.

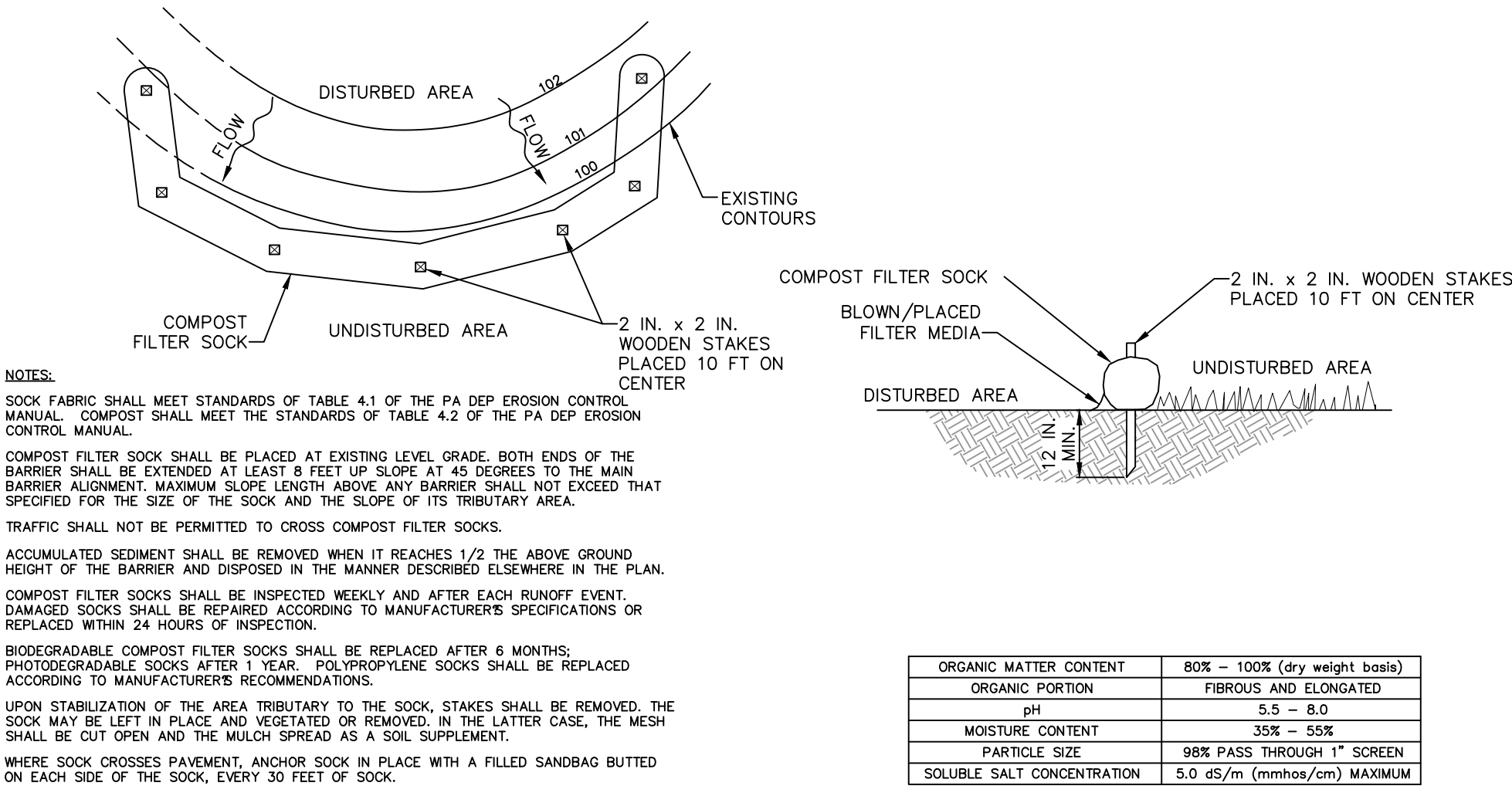
INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

FILTER BAG INLET PROTECTION

(CHANNEL OR ROADSIDE SWALE)

NTS



NOTES:

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURERS SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS. PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURERS RECOMMENDATIONS.

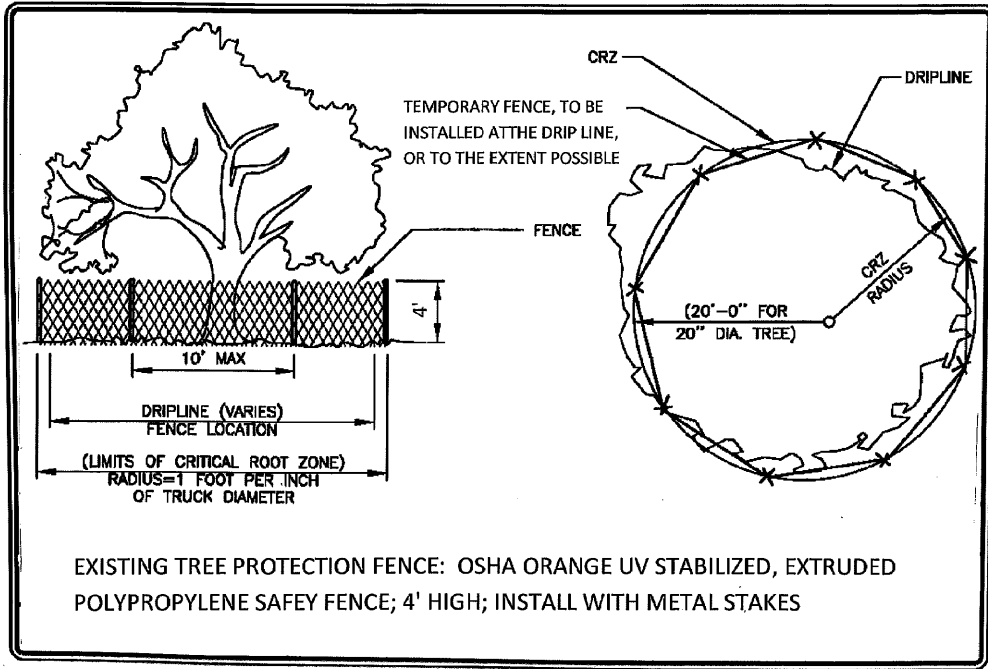
UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

WHERE SOCK CROSSES PAVEMENT, ANCHOR SOCK IN PLACE WITH A FILLED SANDBAG BUTTED ON EACH SIDE OF THE SOCK. EVERY 30 FEET OF SOCK.

THE PHYSICAL PARAMETERS OF THE COMPOST SHOULD COMPLY WITH THE STANDARDS IN TABLE 4.2. THE STANDARDS CONTAINED IN THE PENNDOT PUBLICATION 408 ARE AN ACCEPTABLE ALTERNATIVE.

SILT SOCK DETAIL

NTS

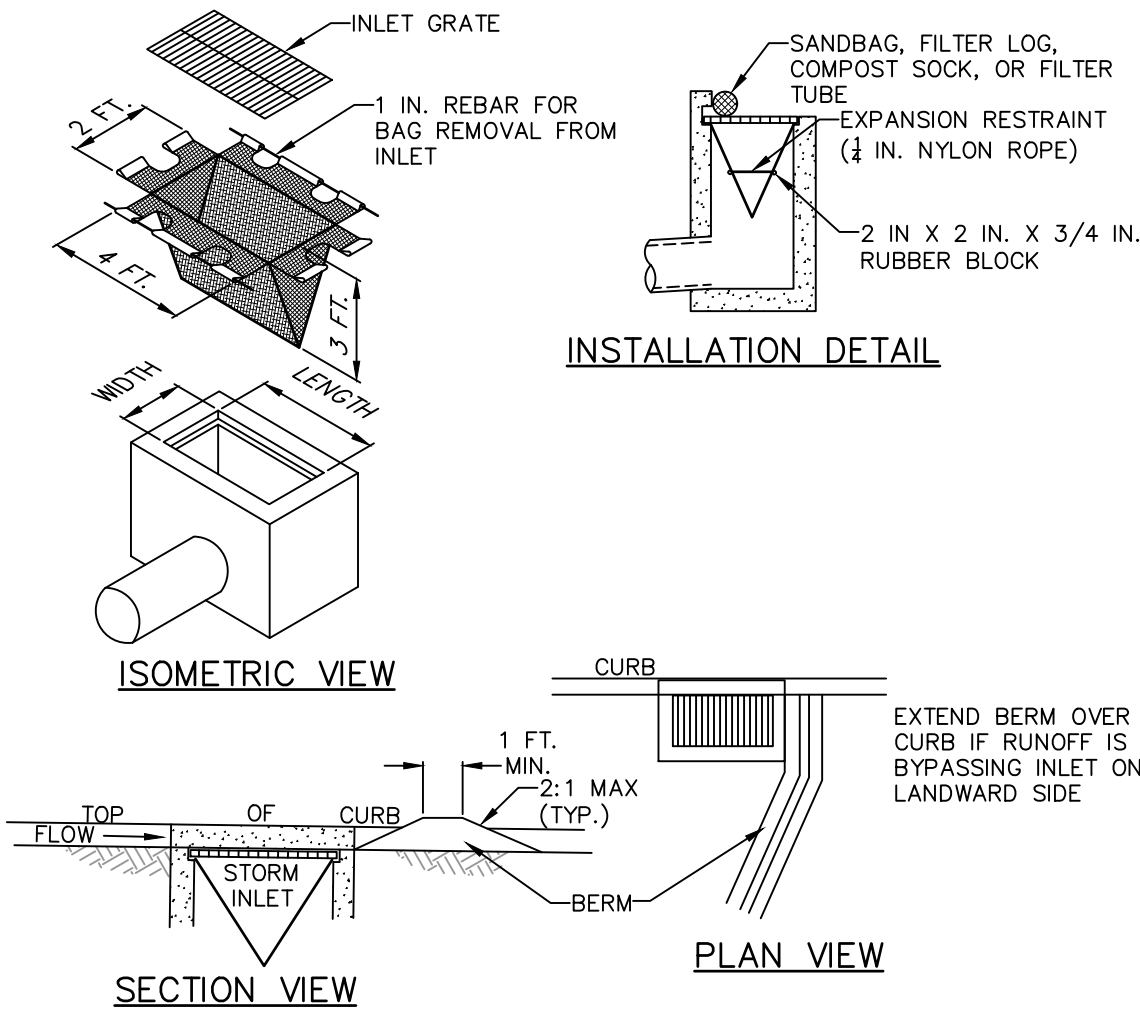


TEMPORARY INFILTRATION AREA PROTECTION FENCING

NTS

FENCING NOTES:

1. Fencing shall be installed prior to the commencement of earthmoving within the given phase.
2. Fencing shall remain until the phase construction is permanently stabilized.
3. Any damaged fence shall be repaired immediately.
4. Any earth disturbance within the fence necessary for final seeding or minor shaping shall be minimized, and shall be done by rubber-tired vehicles only.
5. See grading or landscaping plan for fencing locations.



NOTES:

MAXIMUM DRAINAGE AREA = 1/2 ACRE.

INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.

ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT.

AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.

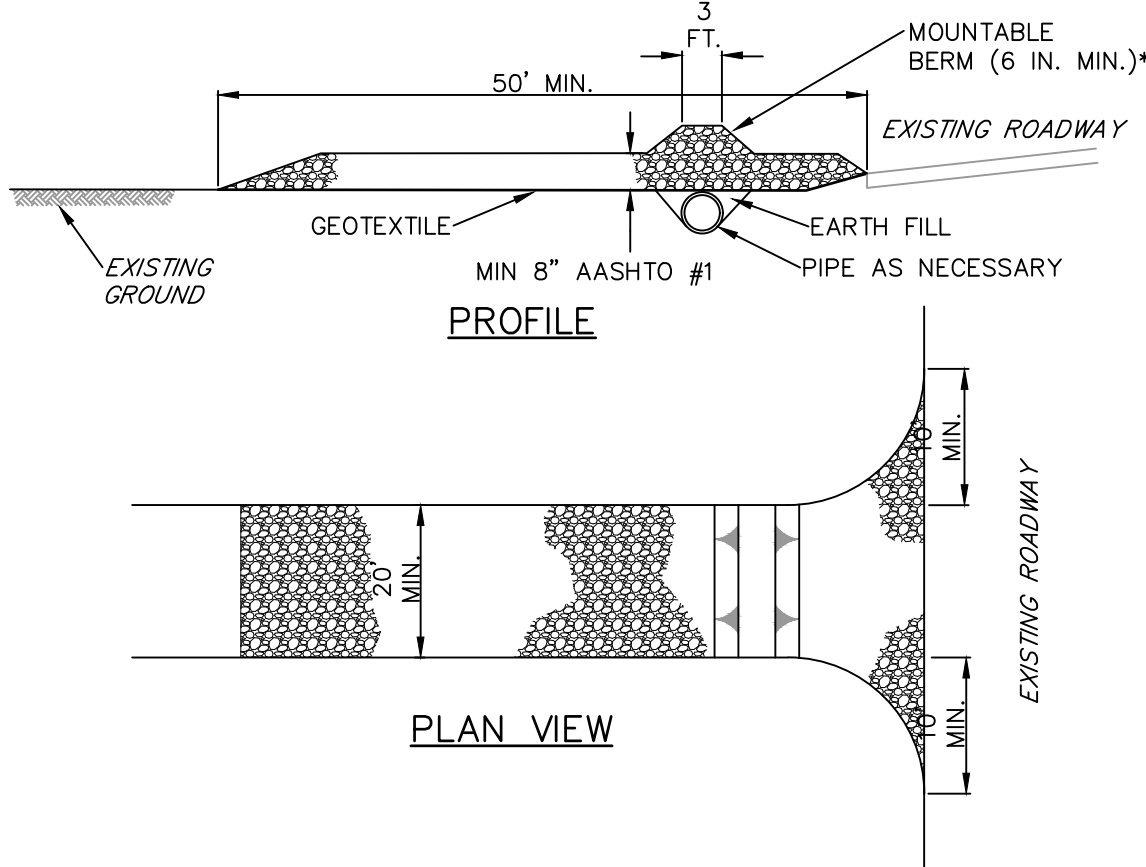
INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

FILTER BAG INLET PROTECTION

(CURBED ROADWAY)

NTS



* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

NOTES:

REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.

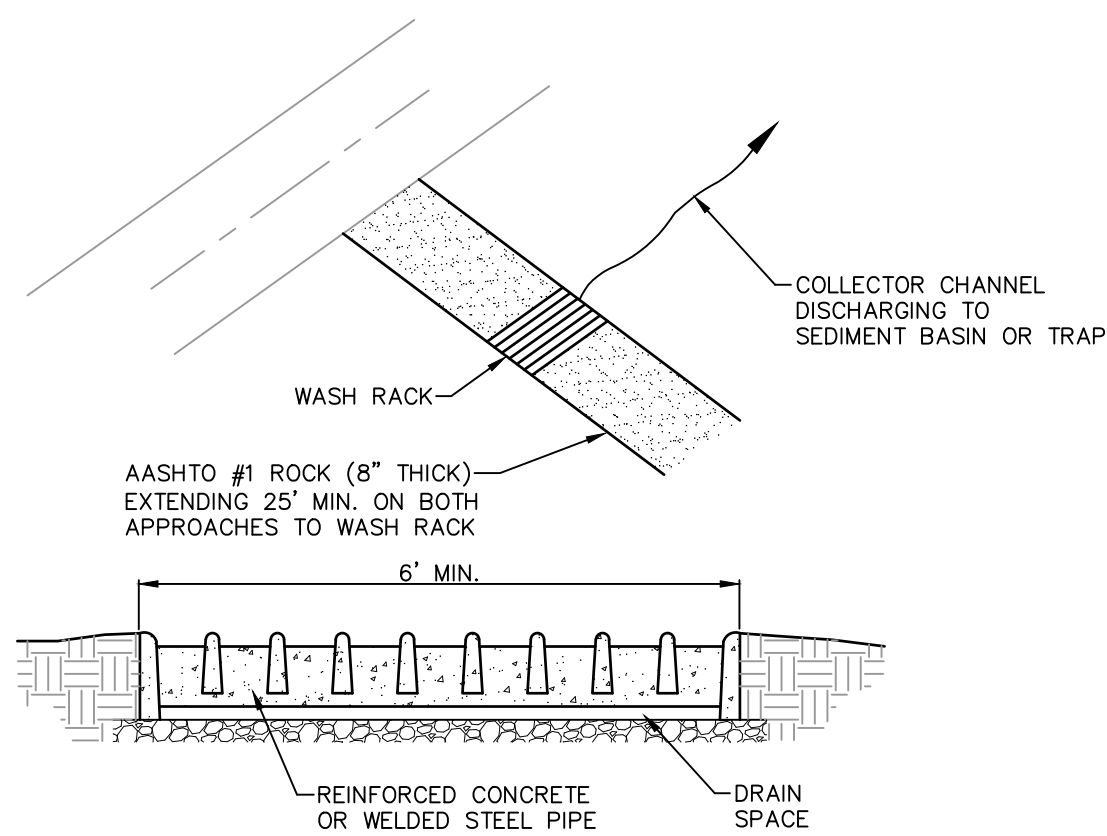
RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

STABILIZED ROCK CONSTRUCTION ENTRANCE

NTS



NOTES:

1. WASH RACK SHALL BE 20 FEET (MIN.) WIDE OR TOTAL WIDTH OF ACCESS.
2. WASH RACK SHALL BE DESIGNED AND CONSTRUCTED TO ACCOMMODATE ANTICIPATED CONSTRUCTION VEHICULAR TRAFFIC.
3. A WATER SUPPLY SHALL BE MADE AVAILABLE TO WASH THE WHEELS OF ALL VEHICLES EXITING THE SITE.

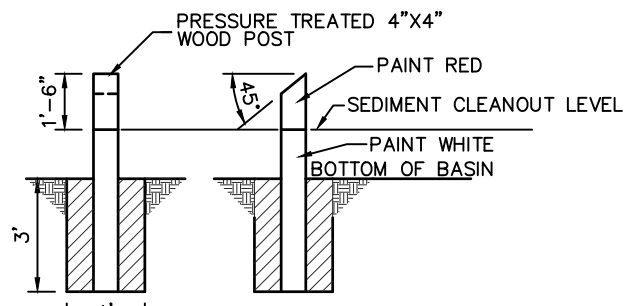
MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. DRAIN SPACE UNDER WASH RACK SHALL BE KEPT OPEN AT ALL TIMES. DAMAGE TO THE WASH RACK SHALL BE REPAIRED PRIOR TO FURTHER USE OF THE RACK. ALL SEDIMENT DEPOSITED ON ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

STANDARD CONSTRUCTION DETAIL #3-2

ROCK CONSTRUCTION ACCESS WITH WASH RACK

NOT TO SCALE

5/29/2024	PER TOWNSHIP COMMENTS	BKK	DESIGN :	T.C.S.
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3/17/22	CONDITIONS OF APPROVAL	SRR	DATE :	6/1/2020
9/25/20	REVIEW COMMENTS	GDG	REV :	
7/1/20	REVIEW COMMENTS	GDG		
NO.	DATE	DESCRIPTION	BY	



SEDIMENT CLEANOUT STAKE DETAIL

NTS

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EROSION CONTROL DETAILS
PRELIMINARY / FINAL SUBDIVISION AND LAND DEVELOPMENT PLAN
FOR

151 GETTYSBURG PIKE

UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA

PROJECT NO.	319590
SURVEY BOOK :	
SCALE :	AS NOTED
DWG. Y:\19\319590.dwg	319590.dwg
FILE :	Dwg\19\319590-Final.dwg
SHEET	15 of 15