

OWNER RESPONSIBILITY NOTE:

THE PROPERTY OWNER, GIRL SCOUTS OF EASTERN PENNSYLVANIA, INC. WILL BE RESPONSIBLE FOR THE OWNERSHIP AND MAINTENANCE RESPONSIBILITIES OF THE STORM SEWER SYSTEM AND ALL POST-CONSTRUCTION STORMWATER MANAGEMENT BMPs. STORMWATER BMPs ARE FIXTURES THAT CANNOT BE ALTERED OR REMOVED WITHOUT APPROVAL BY THE TOWNSHIP.

BABETTE RACCA TITLE GIRL SCOUTS OF EASTERN PENNSYLVANIA, INC. 330 MANOR ROAD MIQUON, PA. 19444

PROFESSIONAL LAND SURVEYOR'S STATEMENT

I, TIMOTHY J. SHERIDAN, DO HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR, LICENSED AND REGISTERED TO PERFORM LAND SURVEYS IN THE COMMONWEALTH OF PENNSYLVANIA, PURSUANT TO THE PENNSYLVANIA ENGINEER, LAND SURVEYOR AND GEOLOGIST REGISTRATION LAW, ACT OF MAY 23, 1945, P.L. 913, AS AMENDED DECEMBER 16, 1992 FOUND AT 63 P.S. SECTION 148 ET SEQ., AND DO HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED FROM A FIELD SURVEY, AND THAT TO THE BEST OF MY KNOWLEDGE THE PLAN COMPLIES WITH THE REQUIREMENTS OF THE SUBDIVISION AND LAND DEVELOPMENT ORDINANCE OF SALISBURY TOWNSHIP.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE DATE TIMOTHY J. SHERIDAN 85 SOUTH ROUTE 100 ALLENTOWN, PA. 18106

PROFESSIONAL ENGINEER'S STATEMENT

I, CHRISTOPHER J. WILLIAMS, DO HEREBY CERTIFY THAT I AM A PROFESSIONAL ENGINEER LICENSED AND REGISTERED TO PRACTICE ENGINEERING IN THE COMMONWEALTH OF PENNSYLVANIA, PURSUANT TO PENNSYLVANIA PROFESSIONAL ENGINEERS REGISTRATION LAW, ACT OF MAY 23, 1945, P.L. 913, AS AMENDED, AS FOUND AT 63 P.S. SECTION 148 ET SEQ., AND THAT THE ENGINEERING ASPECTS OF THE PLAN ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, AND I DO FURTHER CERTIFY THAT THE PLAN COMPLIES WITH THE REQUIREMENTS OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS OF SALISBURY TOWNSHIP.

PROFESSIONAL ENGINEER'S SIGNATURE DATE CHRISTOPHER J. WILLIAMS 85 SOUTH ROUTE 100 ALLENTOWN, PA. 18106

PROFESSIONAL LANDSCAPE ARCHITECT'S STATEMENT

I, BRYAN SMITH, DO HEREBY CERTIFY THAT I AM A PROFESSIONAL LANDSCAPE ARCHITECT, LICENSED AND REGISTERED TO PREPARE PLATS IN THE COMMONWEALTH OF PENNSYLVANIA, PURSUANT TO PENNSYLVANIA LANDSCAPE ARCHITECT'S REGISTRATION LAW OF JANUARY 24, 1996 (1965 P.L. 1527, NO. 535), AND HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED FROM A FIELD SURVEY, AND THAT TO THE BEST OF MY KNOWLEDGE THE PLAN COMPLIES WITH THE REQUIREMENTS OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS OF SALISBURY TOWNSHIP.

PROFESSIONAL LANDSCAPE ARCHITECT'S SIGNATURE DATE BRYAN SMITH 85 SOUTH ROUTE 100 ALLENTOWN, PA. 18106

OWNER'S STATEMENT

I/WE, THE OWNER(S) OF THIS PLAT OF LAND BEING DULY SWORN ACCORDING TO LAW, DEPOSE AND STATE THAT I AM/WE ARE THE SOLE OWNER(S) OF THIS PROPERTY IN PEACEFUL POSSESSION OF IT AND THAT THERE ARE NO SUITS PENDING AFFECTING THE TITLE OF SAME, AND THAT I/WE HEREBY DEDICATE TO THE TOWNSHIP OF SALISBURY FOR PUBLIC USE ALL THE ROAD RIGHTS-OF-WAY, UTILITY EASEMENTS AND RIGHTS-OF-WAY OF PUBLIC IMPROVEMENTS SUCH AS SEWER LINES AND STORM DRAINAGE FACILITIES AS SHOWN ON THIS SUBDIVISION PLAN. I/WE DO FURTHER DEPOSE AND STATE THAT I/WE HAVE COMPLIED WITH ALL THE REQUIREMENTS AND PROVISIONS OF THE SALISBURY TOWNSHIP SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND SHALL SAVE THE TOWNSHIP HARMLESS AND INDEMNIFY THE TOWNSHIP OF SALISBURY AGAINST ANY LIABILITY OR LOSS RESULTING FROM THE SUBDIVISION OF THIS PLAT FOR WHATEVER REASONS PRESENT OR FUTURE.

OWNER'S SIGNATURE DATE OWNER'S SIGNATURE DATE OWNER'S SIGNATURE DATE

SWORN TO AND SUBSCRIBED BEFORE ME THIS 20 DAY OF 20

NOTARY PUBLIC

MY COMMISSION EXPIRES

REVIEW/APPROVAL/RECORDING SIGNATURE BLOCKS

REVIEWED BY THE LEHIGH VALLEY PLANNING COMMISSION OF LEHIGH AND NORTHAMPTON COUNTIES.

LVPCC STAFF PERSON RESPONSIBLE FOR REVIEW DATE

APPROVED BY THE SALISBURY TOWNSHIP ENGINEER DATE

RECOMMENDED FOR APPROVAL BY THE SALISBURY TOWNSHIP PLANNING COMMISSION

CHAIRMAN SECRETARY DATE

APPROVED BY THE SALISBURY TOWNSHIP BOARD OF COMMISSIONERS

PRESIDENT SECRETARY DATE

RECORDED IN THE OFFICE OF THE RECORDER OF DEEDS LEHIGH COUNTY, PENNSYLVANIA ON 20 IN MAP BOOK VOLUME PAGE

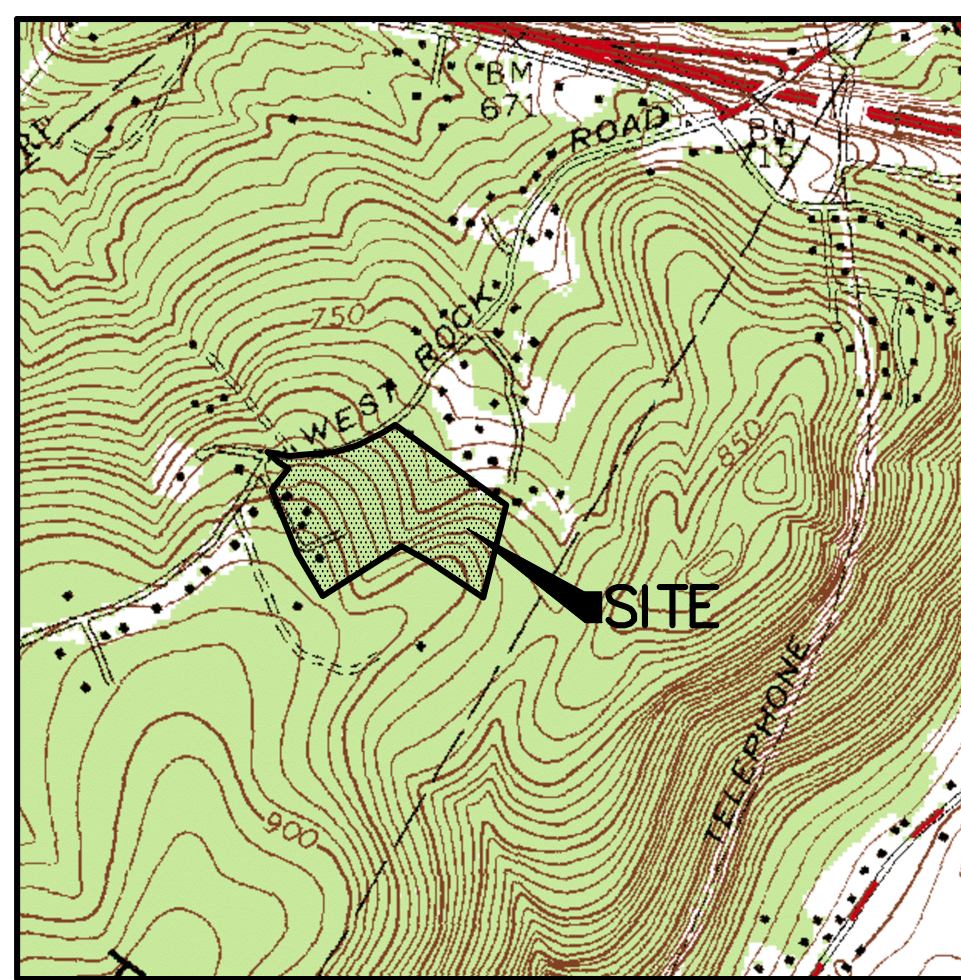
LEHIGH COUNTY RECORDER OF DEEDS

PRELIMINARY/FINAL PLANS MOUNTAIN HOUSE GIRL SCOUTS OF EASTERN PA. 2638 W. ROCK ROAD SALISBURY TOWNSHIP, LEHIGH COUNTY, PA AUGUST 26, 2020

LAST REVISED NOVEMBER 13, 2020



610.398.0904 barryisett.com 85 SOUTH ROUTE 100 ALLENTOWN, PA 18106



LOCATION MAP SCALE: 1"=1000'

Table with 4 columns: PLAN DESIGNATION, PLAN TITLE, PLAN NO., LAST REV. Lists various plans like TITLE SHEET, SITE DEVELOPMENT PLAN, DEMOLITION PLAN, etc.

USERS (OWNERS, CONTRACTORS) OF THIS PLAN ARE ADVISED THAT ALL PLANS SHOWN IN THE ABOVE REFERENCED PLAN INDEX SHALL BE UTILIZED WHEN PREPARING ESTIMATES, MANUFACTURING STRUCTURES, AND PERFORMING CONSTRUCTION. CERTAIN PLANS MAY HAVE FEATURES (EXISTING OR PROPOSED) WHICH MAY BE HIDDEN FROM VIEW TO PROVIDE CLARITY FOR THAT PARTICULAR PLAN. ALL DRAWINGS WITHIN THIS PLAN SET SHALL BE REVIEWED AND UTILIZED.

SITE DATA:

RECORD OWNER: GREAT VALLEY GIRL SCOUT COUNCIL OWNER ADDRESS: 2638 W. ROCK ROAD ALLENTOWN, PA 18103 PARCEL ID: 640543637357 1 DOB ID: D.B.V. 1185, PG. 713; D.B.V. 614, PG. 352; D.B.V. 610, PG. 262 TRACT 1; D.B.V. 843, PG. 311 SITE ADDRESS: 2638 W. ROCK ROAD ALLENTOWN, PA 18103 ASSESSMENT AREA: 1.48 AC. PARCEL ID: 640553129150 1 DOB ID: D.B.V. 1005, PG. 134; D.B.V. 953, PG. 368; D.B.V. 861, PG. 63 TRIANGLE 1; D.B.V. 610, PG. 262 TRACT 1; D.B.V. 843, PG. 311 SITE ADDRESS: 2638 W. ROCK ROAD ALLENTOWN, PA 18103 ASSESSMENT AREA: 13.89 AC. NUMBER OF LOTS: TWO (2-EXISTING), ONE (1-PROPOSED) SEWER: ON LOT WATER: ON LOT OWNER: USGS

WAIVERS REQUESTED:

- 1. 302.1.C - ALLOWING CONCURRENT PRELIMINARY & FINAL REVIEWS. 2. 503.6.B.8 - NOT REQUIRING DEPICTION OF CONTOURS ON ADJACENT LAND WITHIN 500 FEET OF THE TRACT 3. 1010.2.B(8) - NOT REQUIRING A LOW FLOW CHANNEL IN ORDER TO PROMOTE STORMWATER INFILTRATION

ZONING DATA:

PROPOSED USE: NON-PROFIT, PRIVATE RECREATION AREA DISTRICT OR: CONSERVATION-RESIDENTIAL DISTRICT MINIMUM LOT AREA: 5 ACRES MINIMUM LOT WIDTH: 200 FT. 25 FT. (AT STREET RIGHT-OF-WAY LINE, AFTER DEVELOPMENT) MINIMUM WIDTH & LENGTH OF DWELLING: 20 FT. FRONT: 50 FT. SIDE: 25 FT. (EACH OF 2 SIDES) REAR: 100 FT. ADJACENT TO A PUBLIC STREET: 50 FT. PERMITTED NONRESIDENTIAL PRINCIPAL STRUCTURE TO A LOT LINE OF A "RESIDENTIAL LOT LINE": 50 FT. DRIVEWAYS FROM A LOT LINE OF AN EXISTING ABUTTING SINGLE FAMILY-DETACHED DWELLING: 6 FT. MINIMUM YARDS ACCESSORY STRUCTURE: FRONT: WITHIN REQUIRED MINIMUM FRONT YARD BUILDING SETBACK OF A PRINCIPAL BUILDING - NOT PERMITTED SIDE: 6 FT. REAR: 6 FT. SIDE OR REAR ABUTTING A PUBLIC STREET: 20 FT.

MAXIMUM PRINCIPAL BLDG. HEIGHT: 45 FT. MAXIMUM PRINCIPAL BLDG. STORIES: 2 1/2 MAXIMUM ACCESSORY BLDG. HEIGHT: 22 FT. MAXIMUM ACCESSORY BLDG. STORIES: 1 MAXIMUM BLDG. COVERAGE: 10% MAXIMUM IMPERVIOUS COVERAGE: 10% EXISTING BLDG COVERAGE: 7,020 S.F. PROPOSED BLDG. COVERAGE: 10,526 S.F. EXISTING IMPERVIOUS COVERAGE: 0.92 AC. (8%) PROPOSED IMPERVIOUS COVERAGE: 1.22 AC. (8%)

PARKING REQUIREMENTS:

55 SCOUTS/3 = 19 SPACES 10 EMPLOYEES/1.2 = 9 SPACES TOTAL REQUIRED = 28 SPACES PAVED PROVIDED = 14 SPACES GRAVEL PROVIDED = 18 SPACES TOTAL PROVIDED = 32 SPACES

NOTES:

- 1. UP TO 50% OF REQUIRED PARKING MAY BE ON NON-PAVED SURFACES, THEREFORE, 14 PAVED AND 14 GRAVEL MEET THE REQUIREMENT OF 28 TOTAL SPACES. 2. EXISTING GRAVEL PARKING AREA ARE NOT SUBJECT TO LIGHTING REQUIREMENTS OF 24-511.2 AS IT IS CURRENTLY CONFIGURED.

ZONING NOTE: ZONING DATA PROVIDED IS BASED ON AN INTERPRETATION OF THE ZONING ORDINANCE BY THE PLAN PREPARER AND IS SUBJECT TO CONFIRMATION BY THE APPROPRIATE MUNICIPAL OFFICIAL.

A SPECIAL EXCEPTION WAS GRANTED FOR THE PROPOSED DEVELOPMENT ON MARCH 26, 2020. THIS APPROVAL INCLUDED A FAVORABLE INTERPRETATION TO PERMIT AN EXISTING CABIN TO REMAIN AS A NONCONFORMING STRUCTURE. THIS WAS GRANTED WITH THE FOLLOWING CONDITIONS:

- 1. THAT THE NUMBER OF GIRLS ATTENDING PROGRAMS HELD AT THE SITE WILL BE LIMITED TO NOT MORE THAN 55 PER DAY. 2. THAT THERE BE NO RENTING OF THE SITE TO OTHERS, AND USE IS RESTRICTED TO THE ACTIVITIES/PROGRAMS OF THE GIRL SCOUTS HELD ON SITE FOR THE ATTENDEES. 3. THAT TRAFFIC SAFETY MONITORS TRAINED PURSUANT TO PENNDOT PUBLISHED GUIDELINES BE UTILIZED FOR DROP OFF AND PICK UP OF ATTENDEES TO MANAGE TRAFFIC COMING TO THE SITE. 4. THAT DRIVERS COMING TO THE SITE BE GIVEN WRITTEN INFORMATION ON SPEED LIMITS ON ADJOINING PUBLIC STREETS AND REQUESTED TO EXERCISE DUE CARE. 5. THAT TIMES FOR DROP OFF AND PICK-UP BE STAGGERED TO LESSEN TRAFFIC VOLUMES AT ANY GIVEN TIME. 6. THAT ANY EMPLOYEES AT THE SITE BE LIMITED TO THOSE EMPLOYEES NECESSARY TO MAINTAIN THE SITE AND CONDUCT THE GIRL SCOUT PROGRAMS/ACTIVITIES AT THE SITE. 7. THAT THE SITE WILL NOT BE USED FOR BUSINESS ACTIVITY RELATED TO THE MISSION OF THE GIRL SCOUTS GENERALLY BUT INSTEAD BE LIMITED TO ACTIVITIES/PROGRAMS TO PROMOTE THE EXPERIENCE OF THE ATTENDEES AT THE SITE. 8. THAT THERE WILL NOT BE ANY RETAIL SALES OFFERED TO THE PUBLIC GENERALLY. THE TRADING POST MAY BE OPERATED AS A GIRL SCOUT PROGRAM FOR ATTENDEES AT THE SITE DURING NORMAL BUSINESS HOURS WHILE GIRL SCOUT PROGRAMS/ACTIVITIES ARE BEING CONDUCTED. 9. THAT TREE REMOVAL BE LIMITED TO THOSE TREES IDENTIFIED IN THE PLANS AND THAT TEN (10) TREES HAVING A LEVEL OF MATURITY OF 15 FEET OR GREATER BE PLANTED. 10. THAT LIGHTING PLANS BE SUBMITTED IN CONNECTION WITH THE LAND DEVELOPMENT PROCEEDINGS UNDER THE SUBDIVISION AND LAND DEVELOPMENT ORDINANCE (SALDO) DEMONSTRATING THAT THERE WILL BE NO ADVERSE IMPACTS ON NEIGHBORS AND FURTHER UTILIZING DARK SKY CAPABILITY. 11. THAT STORM WATER MANAGEMENT PLANS BE SUBMITTED IN CONNECTION WITH LAND DEVELOPMENT PROCEEDINGS UNDER SALDO DEMONSTRATING COMPLIANCE WITH APPLICABLE LAW TO ASSURE THAT NO NEIGHBORS WILL BE ADVERSELY AFFECTED. 12. THAT ALL REQUIRED PERMITS BE OBTAINED FOR ALL ON SITE WATER AND SEWER FACILITIES INSTALLED. 13. THAT ALL LAWS AND REGULATIONS BE COMPLIED WITH ESPECIALLY MATTERS REGULATED UNDER SALDO AND THAT LAND DEVELOPMENT APPROVAL IS GRANTED. 14. THAT UNLESS A VARIANCE IS GRANTED HEREIN ALL PROVISIONS OF THE SALISBURY TOWNSHIP ZONING ORDINANCE WILL BE COMPLIED WITH. 15. THAT A LOT LINE ELIMINATION PLAN WILL BE SUBMITTED AS REQUIRED BY SALDO TO CONSOLIDATE LAND OWNED BY THE GIRL SCOUTS.

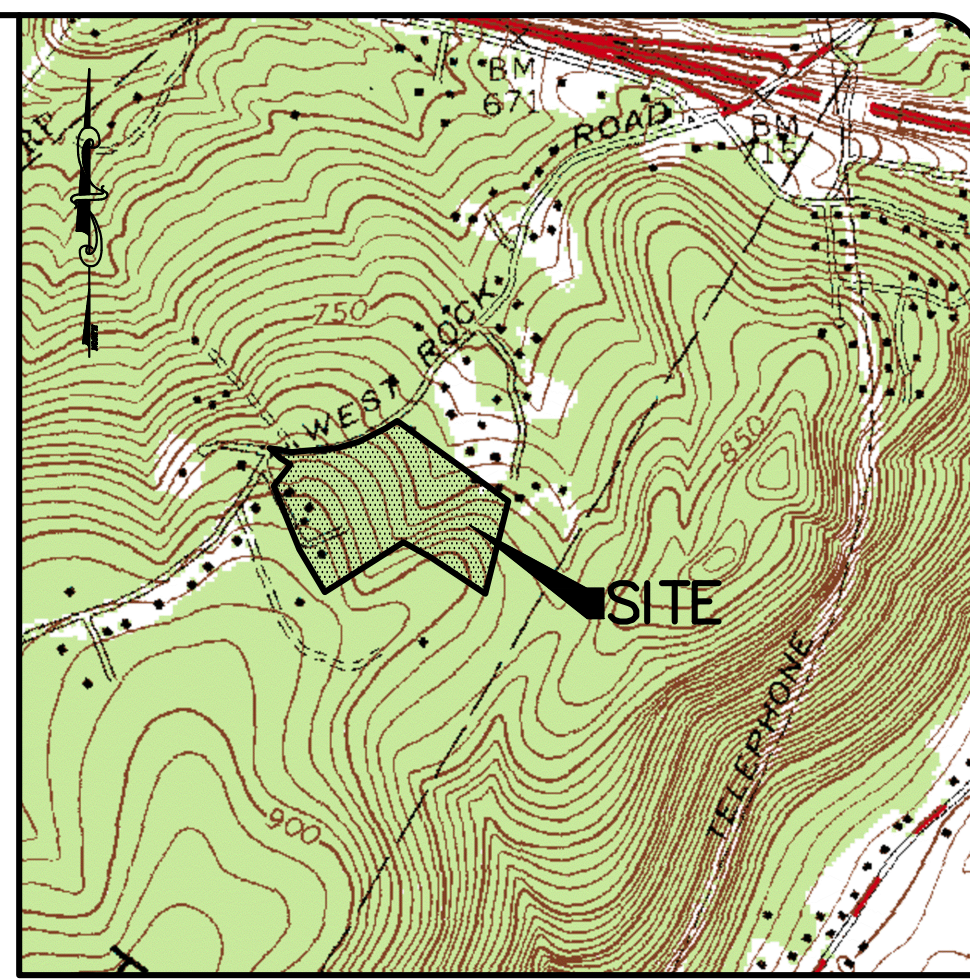
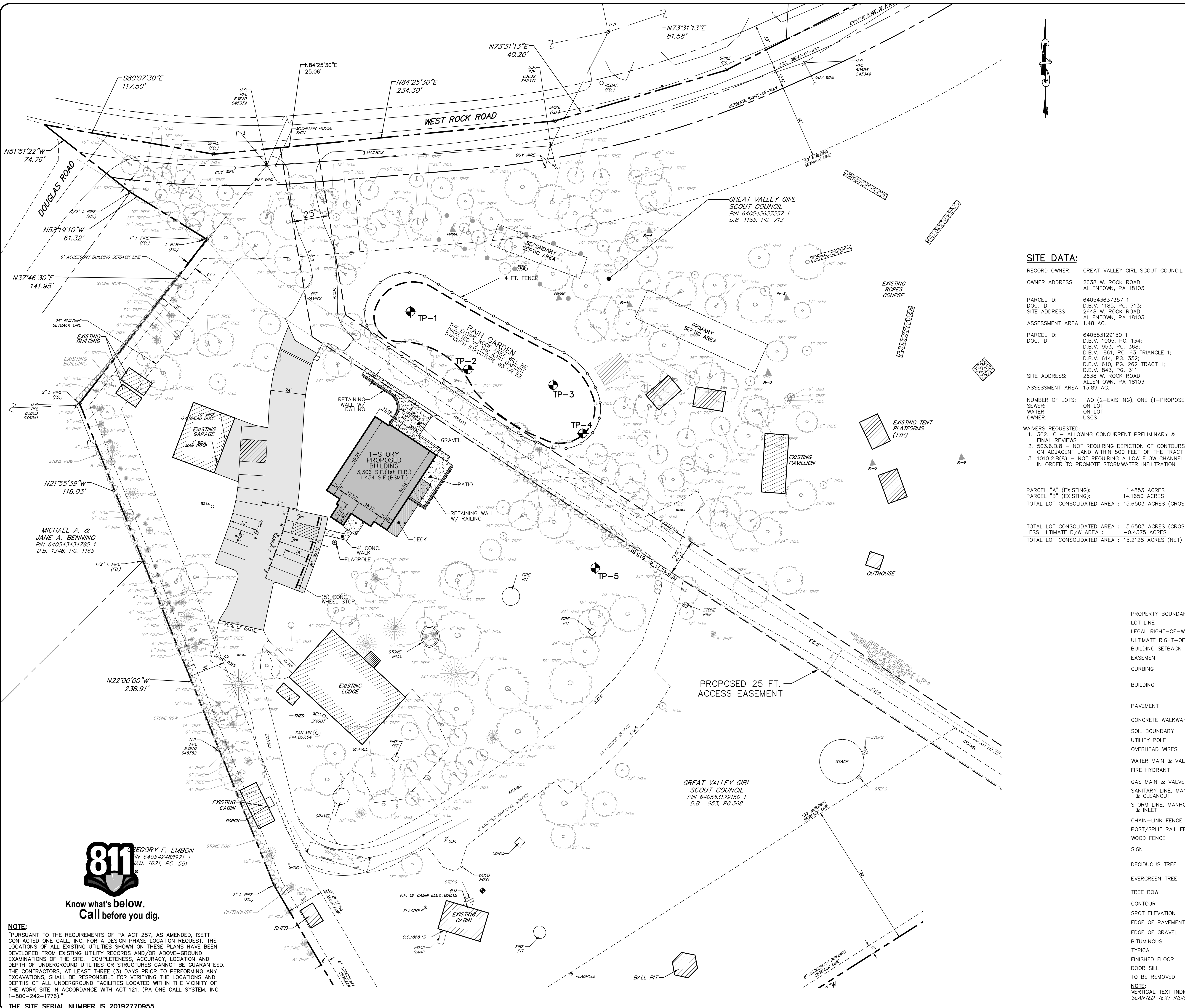


Know what's below. Call before you dig.

NOTE:

PURSUANT TO THE REQUIREMENTS OF PA ACT 287, AS AMENDED, ISETT CONTACTED ONE CALL, INC. FOR A DESIGN PHASE LOCATION REQUEST. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN DEVELOPED FROM EXISTING UTILITY RECORDS AND/OR ABOVE-GROUND EXAMINATIONS OF THE SITE. COMPLETENESS, ACCURACY, LOCATION AND DEPTH OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. THE CONTRACTORS, AT LEAST THREE (3) DAYS PRIOR TO PERFORMING ANY EXCAVATIONS, SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF ALL UNDERGROUND FACILITIES LOCATED WITHIN THE VICINITY OF THE WORK SITE IN ACCORDANCE WITH ACT 121. (PA ONE CALL SYSTEM, INC. 1-800-242-1776).

THE SITE SERIAL NUMBER IS 20192770955.



LOCATION MAP
SCALE: 1"=1000'

SITE DATA:

RECORD OWNER: GREAT VALLEY GIRL SCOUT COUNCIL
 OWNER ADDRESS: 2638 W. ROCK ROAD ALLENTOWN, PA 18103
 PARCEL ID: 640543637357 1
 DOC. ID: D.B.V. 1185, PG. 713;
 SITE ADDRESS: 2649 W. ROCK ROAD ALLENTOWN, PA 18103
 ASSESSMENT AREA: 1.48 AC.
 PARCEL ID: 640553129150 1
 DOC. ID: D.B.V. 1005, PG. 134;
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 D.B.V. 861, PG. 63 TRIANGLE 1;
 D.B.V. 614, PG. 352;
 D.B.V. 610, PG. 262 TRACT 1;
 D.B.V. 843, PG. 311
 SITE ADDRESS: 2638 W. ROCK ROAD ALLENTOWN, PA 18103
 ASSESSMENT AREA: 13.89 AC.
 NUMBER OF LOTS: TWO (2)-EXISTING, ONE (1)-PROPOSED
 SEWER: ON LOT
 WATER: ON LOT
 OWNER: USGS

WAIVERS REQUESTED:
 1. 302.1.C - ALLOWING CONCURRENT PRELIMINARY & FINAL REVIEWS
 2. 503.B.8.8 - NOT REQUIRING DEPICTION OF CONTOURS ON ADJACENT LAND WITHIN 500 FEET OF THE TRACT
 3. 1010.2.B(8) - NOT REQUIRING A LOW FLOW CHANNEL IN ORDER TO PROMOTE STORMWATER INFILTRATION

PARCEL "A" (EXISTING): 1.4853 ACRES
 PARCEL "B" (EXISTING): 14.1650 ACRES
 TOTAL LOT CONSOLIDATED AREA : 15.6503 ACRES (GROSS)

TOTAL LOT CONSOLIDATED AREA : 15.6503 ACRES (GROSS)
 LESS ULTIMATE R/W AREA -0.4375 ACRES
 TOTAL LOT CONSOLIDATED AREA : 15.2128 ACRES (NET)

ZONING DATA:

PROPOSED USE: NON-PROFIT, PRIVATE RECREATION AREA DISTRICT
 CR: CONSERVATION-RESIDENTIAL DISTRICT
 MINIMUM LOT AREA: 5 ACRES
 MINIMUM LOT WIDTH: 200 FT.
 25 FT. (AT STREET RIGHT-OF-WAY LINE, AFTER DEVELOPMENT)
 MINIMUM WIDTH & LENGTH OF DWELLING: 20 FT.
 MINIMUM YARDS:
 FRONT: 50 FT.
 SIDE: 25 FT. (EACH OF 2 SIDES)
 REAR: 100 FT.
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 FRONT: WITHIN REQUIRED MINIMUM FRONT YARD BUILDING SETBACK OF A PRINCIPAL BUILDING - NOT PERMITTED
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 EXISTING BLDG. COVERAGE: 7,020 S.F.
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 EXISTING IMPERVIOUS COVERAGE: 0.92 AC. (6%)
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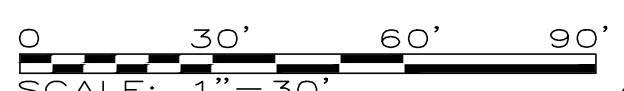
PARKING REQUIREMENTS:
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 TOTAL REQUIRED = 28 SPACES
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 TOTAL PROVIDED = 32 SPACES

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LEGEND

	EXISTING	PROPOSED
PROPERTY BOUNDARY	---	---
LOT LINE	---	---
LEGAL RIGHT-OF-WAY	---	---
ULTIMATE RIGHT-OF-WAY	---	---
BUILDING SETBACK	---	---
EASEMENT	---	---
CURBING	---	---
BUILDING	EXIST. BUILDING	PROP. BUILDING
PAVEMENT	---	---
CONCRETE WALKWAY	---	---
SOIL BOUNDARY	---	---
UTILITY POLE	U.P.	U.P.
OVERHEAD WIRES	O.A.	O.A.
WATER MAIN & VALVE	W.M.	W.M.
FIRE HYDRANT	F.H.	F.H.
GAS MAIN & VALVE	G.M.	G.M.
SANITARY LINE, MANHOLE, & CLEANOUT	EXIST. MH SAN G.O.	PROP. MH SAN G.O.
STORM LINE, MANHOLE, & INLET	EXIST. MH EXIST. INLET	PROP. MH EXIST. INLET
CHAIN-LINK FENCE	---	---
POST/SPLIT RAIL FENCE	---	---
WOOD FENCE	---	---
SIGN	---	---
DECIDUOUS TREE	6" MAPLE	1 AR
EVERGREEN TREE	6" PINE	1 PS
TREE ROW	---	---
CONTOUR	---	---
SPOT ELEVATION	590.53	590.53
EDGE OF PAVEMENT	E.O.P.	E.O.P.
EDGE OF GRAVEL	E.O.G.	E.O.G.
BITUMINOUS	BIT.	BIT.
TYPICAL (TYP.)	---	---
FINISHED FLOOR	F.F.	F.F.
DOOR SILL	D.S.	D.S.
TO BE REMOVED	---	---

NOTE:
 VERTICAL TEXT INDICATES PROPOSED FEATURES
 SLANTED TEXT INDICATES EXISTING FEATURES

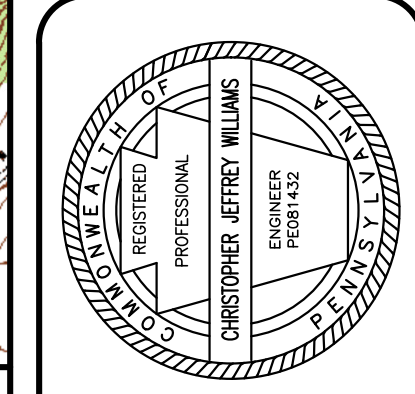


811
 Know what's below.
 Call before you dig.

NOTE:
 PURSUANT TO THE REQUIREMENTS OF PA ACT 287, AS AMENDED, ISETT CONTACTED ONE CALL, INC. FOR A DESIGN PHASE LOCATION REQUEST. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN DEVELOPED FROM EXISTING UTILITY RECORDS AND/OR ABOVE-GROUND EXAMINATIONS OF THE SITE. COMPLETENESS, ACCURACY, LOCATION AND DEPTH OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. THE CONTRACTORS, AT LEAST THREE (3) DAYS PRIOR TO PERFORMING ANY EXCAVATIONS, SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF ALL UNDERGROUND FACILITIES LOCATED WITHIN THE VICINITY OF THE WORK SITE IN ACCORDANCE WITH ACT 121. (PA ONE CALL SYSTEM, INC. 1-800-242-1776).

THE SITE SERIAL NUMBER IS 20192770955.

BY: JAZ
 DATE: 8/18/2020
 REVISIONS:
 1. TOWNSHIP COMMENTS
 2. LCCO COMMENTS
 3. TOWNSHIP COMMENTS



610.398.0904
 baryrisset.com
 85 SOUTH ROUTE 100
 ALLENTOWN, PA 18106



PRELIMINARY/FINAL PLANS
SITE DEVELOPMENT PLAN
GIRL SCOUTS OF EASTERN PA.
2638 W. ROCK ROAD
SALISBURY TOWNSHIP
LEHIGH COUNTY, PA

DATE: 8/28/2020	DSGN: CJW
SCALE: 1"=30'	CHK: CJW
DRAWN: JAZ	APPRD: CJW
JOB: 1064119.000	P MGR: CJW
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SHEET: 2 OF 16	

SP-1

FILENAME: \\barryrissett.com\Projects\2019\1064119.000_CSEP-Chubhouse\WORK\PRODUCT\LAND\CAD_Productions\02_1064119_SitePlan_2018.dwg - November 12, 2020 11:54 AM

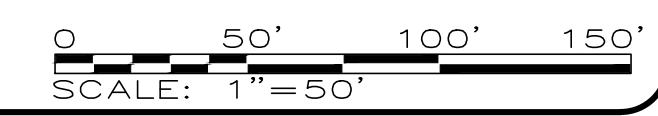


LOT AREA
15,650.3 (GROSS)
15,212.8 (NET)

LEGEND

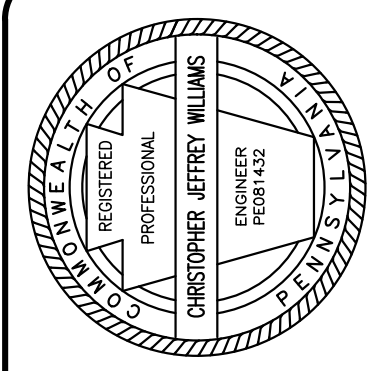
PROPERTY BOUNDARY	
LOT LINE	
BUILDING SETBACK	
EASEMENT	
CURBING	
BUILDING	
SOIL BOUNDARY	
UTILITY POLE	
OVERHEAD WIRES	
WATER MAIN & VALVE	
FIRE HYDRANT	
GAS MAIN & VALVE	
SANITARY LINE, MANHOLE, & CLEANOUT	
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CHAIN-LINK FENCE	
SIGN	
DECIDUOUS TREE	
EVERGREEN TREE	
TREE ROW	
CONTOUR	
SPOT ELEVATION	
SOIL TEST PIT	
EDGE OF PAVEMENT	
BITUMINOUS TYPICAL	
FINISHED FLOOR	

Slopes Table				
Number	Minimum Slope	Maximum Slope	Area	Color
1	8.00%	12.00%	327996.63	
2	12.00%	15.00%	125332.41	
3	15.00%	25.00%	37959.29	
4	25.00%	100.00%	11077.73	



PRELIMINARY/FINAL PLANS
EXISTING FEATURES PLAN
GIRL SCOUTS OF EASTERN PA.
2638 W. ROCK ROAD
SALISBURY TOWNSHIP
LEHIGH COUNTY, PA

REVISIONS	DATE	BY
1. TOWNSHIP COMMENTS	8/18/2020	JAZ
2. LCCO COMMENTS	10/7/2020	JAZ
3. TOWNSHIP COMMENTS	11/13/2020	JAZ



BARRY ISETT & Associates
MULTIDISCIPLINARY ENGINEERS AND CONSULTANTS
610.398.0904
baryisett.com
85 SOUTH ROUTE 100
ALLENTOWN, PA 18106

DATE:	8/26/2020	DSGN:	CJW
SCALE:	1"=50'	CHK:	CJW
DRAWN:	JAZ	APPRD:	CJW
JOB:	1064119.000	P MGR:	CJW

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SHEET: 3 OF 16

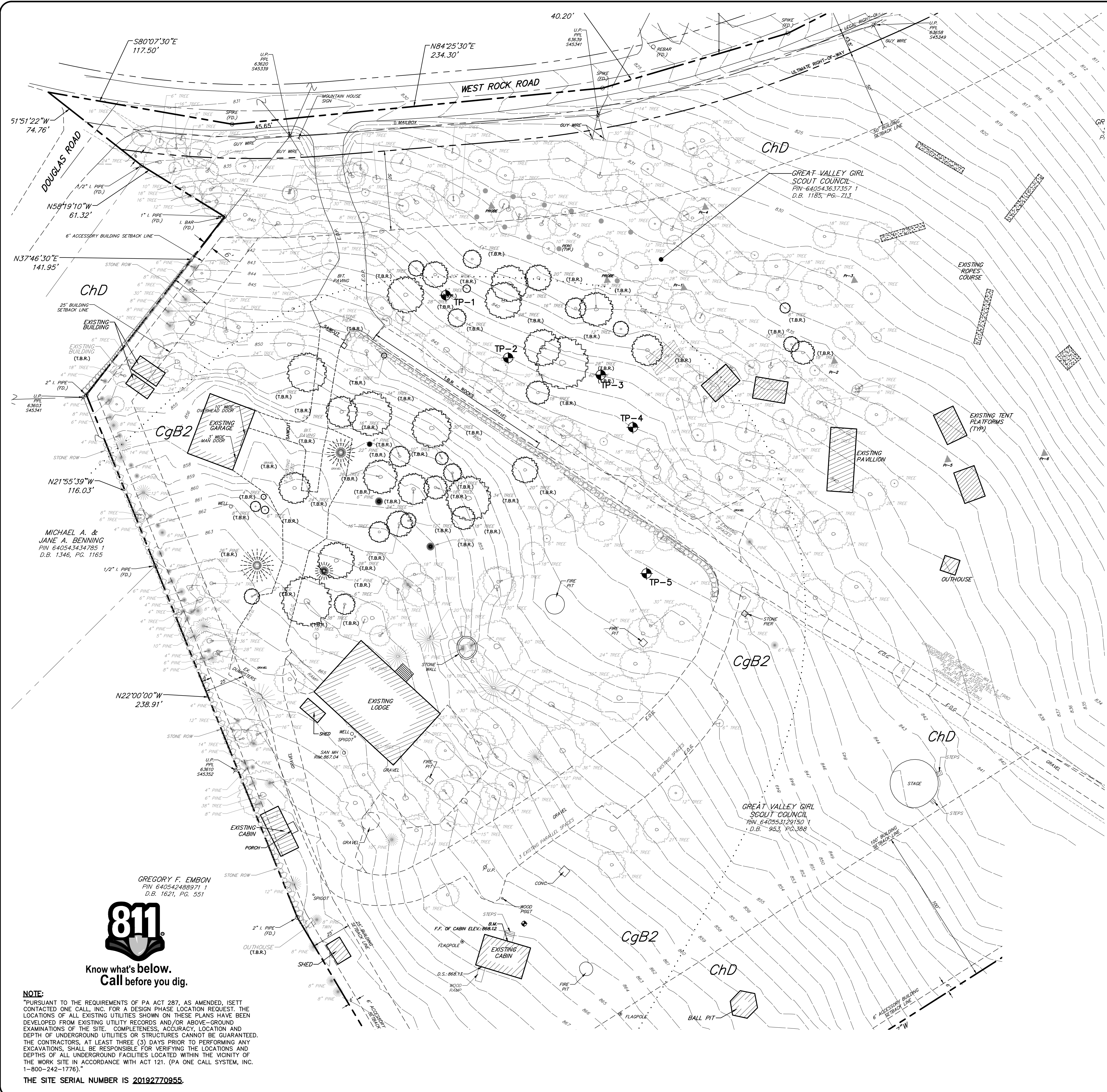
EF-1



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THE SITE SERIAL NUMBER IS 2019270955.

FILENAME: \\sdr\Projects\2019\1064119\000_GSEP-Chubhouse\WORK\PRODUCT\LAND\CAD\Production\03_1064119_ExistingFeaturesPlan_2019.dwg - November 12, 2020 12:28 PM



LEGEND

	EXISTING	PROPOSED
PROPERTY BOUNDARY		
LOT LINE		
LEGAL RIGHT-OF-WAY		
ULTIMATE RIGHT-OF-WAY		
BUILDING SETBACK		
EASEMENT		
CURBING		
BUILDING		
PAVEMENT		
CONCRETE WALKWAY		
SOIL BOUNDARY		
UTILITY POLE		
OVERHEAD WIRES		
WATER MAIN & VALVE		
FIRE HYDRANT		
GAS MAIN & VALVE		
SANITARY LINE, MANHOLE, & CLEANOUT		
STORM LINE, MANHOLE, & INLET		
CHAIN-LINK FENCE		
POST/SPLIT RAIL FENCE		
WOOD FENCE		
SIGN		
DECIDUOUS TREE		
EVERGREEN TREE		
TREE ROW		
CONTOUR		
SPOT ELEVATION		
EDGE OF PAVEMENT		
EDGE OF GRAVEL		
BITUMINOUS		
TYPICAL		
FINISHED FLOOR		
DOOR SILL		
TO BE REMOVED		

NOTE:
VERTICAL TEXT INDICATES PROPOSED FEATURES
SLANTED TEXT INDICATES EXISTING FEATURES

SCALE: 1" = 30'

PRELIMINARY/FINAL PLANS

DEMOLITION PLAN
GIRL SCOUTS OF EASTERN PA.
 2638 W. ROCK ROAD
 SALISBURY TOWNSHIP
 LEHIGH COUNTY, PA

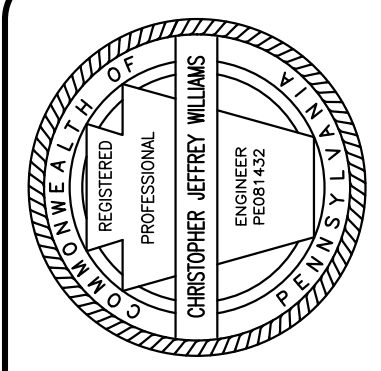
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SCALE:	1"=30'	CHK:	CJW
DRAWN:	JAZ	APPRD:	CJW
JOB:	1064119.000	P MGR:	CJW
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SHEET: 4 OF 16			

DM-1

NOTE:
 PURSUANT TO THE REQUIREMENTS OF PA ACT 287, AS AMENDED, ISETT CONTACTED ONE CALL, INC. FOR A DESIGN PHASE LOCATION REQUEST. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN DEVELOPED FROM EXISTING UTILITY RECORDS AND/OR ABOVE-GROUND EXAMINATIONS OF THE SITE. COMPLETENESS, ACCURACY, LOCATION AND DEPTH OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. THE CONTRACTORS, AT LEAST THREE (3) DAYS PRIOR TO PERFORMING ANY EXCAVATIONS, SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF ALL UNDERGROUND FACILITIES LOCATED WITHIN THE VICINITY OF THE WORK SITE IN ACCORDANCE WITH ACT 121. (PA ONE CALL SYSTEM, INC. 1-800-242-1776).
 THE SITE SERIAL NUMBER IS **20192770955**.



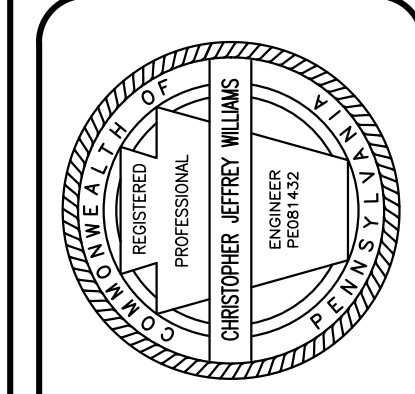
BY:	JAZ
DATE:	8/18/2020
REVISIONS:	1. TOWNSHIP COMMENTS 2. LCCD COMMENTS 3. TOWNSHIP COMMENTS



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 barryisett.com
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 ALLENTOWN, PA 18106



BY	JAZ
DATE	8/28/2020
REVISIONS	1. TOWNSHIP COMMENTS 2. LCCO COMMENTS 3. TOWNSHIP COMMENTS



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 barryisett.com
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 ALLENTOWN, PA 18106

PRELIMINARY/FINAL PLANS
GRADING PLAN
GIRL SCOUTS OF EASTERN PA.
2638 W. ROCK ROAD
SALISBURY TOWNSHIP
LEHIGH COUNTY, PA

DATE:	8/28/2020	DSGN:	CJW
SCALE:	1"=30'	CHK:	CJW
DRAWN:	JAZ	APPRD:	CJW
JOB:	1064119.000	P MGR:	CJW
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SHEET: 5 OF 16			
GP-1			

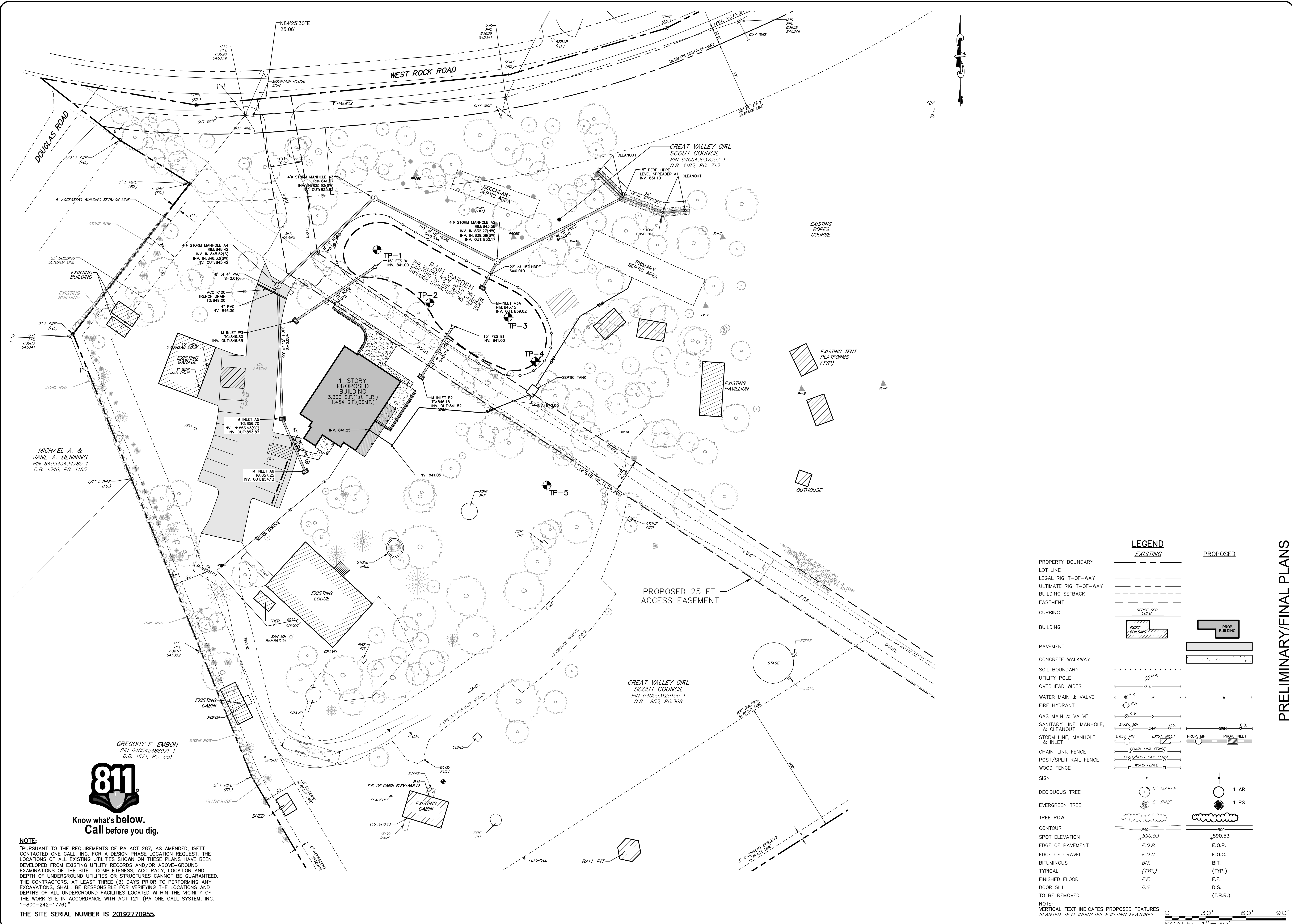
	EXISTING	PROPOSED
PROPERTY BOUNDARY	---	---
LOT LINE	---	---
LEGAL RIGHT-OF-WAY	---	---
ULTIMATE RIGHT-OF-WAY	---	---
BUILDING SETBACK	---	---
EASEMENT	---	---
CURBING	---	---
BUILDING	[EXIST. BUILDING]	[PROP. BUILDING]
PAVEMENT	---	---
CONCRETE WALKWAY	---	---
SOIL BOUNDARY	---	---
UTILITY POLE	U.P.	U.P.
OVERHEAD WIRES	OH	OH
WATER MAIN & VALVE	W.M.	W.M.
FIRE HYDRANT	F.H.	F.H.
GAS MAIN & VALVE	G.M.	G.M.
SANITARY LINE, MANHOLE, & CLEANOUT	EXIST. MH SAN C.O.	PROP. MH SAN C.O.
STORM LINE, MANHOLE, & INLET	EXIST. MH SAN C.O.	PROP. MH SAN C.O.
CHAIN-LINK FENCE	---	---
POST/SPLIT RAIL FENCE	---	---
WOOD FENCE	---	---
SIGN	---	---
DECIDUOUS TREE	6" MAPLE	1 AR
EVERGREEN TREE	6" PINE	1 PS
TREE ROW	---	---
CONTOUR	590.53	590.53
SPOT ELEVATION	E.O.P.	E.O.P.
EDGE OF PAVEMENT	E.O.G.	E.O.G.
EDGE OF GRAVEL	BIT.	BIT.
BITUMINOUS	(TYP.)	(TYP.)
TYPICAL	F.F.	F.F.
FINISHED FLOOR	D.S.	D.S.
DOOR SILL		(T.B.R.)
TO BE REMOVED		

NOTE:
 VERTICAL TEXT INDICATES PROPOSED FEATURES
 SLANTED TEXT INDICATES EXISTING FEATURES
 SCALE: 1"=30'

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 THE SITE SERIAL NUMBER IS 20192770955.



GREGORY F. EMBON
 PIN 640542488971
 D.B. 1621, PG. 551



MICHAEL A. & JANE A. BENNING
 PIN 640543434785 1
 D.B. 1346, PG. 1165

GREGORY F. EMBON
 PIN 640542488971 1
 D.B. 1621, PG. 551

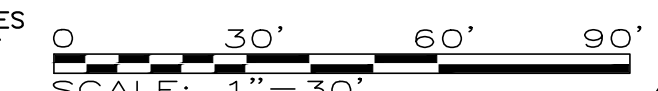


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 THE SITE SERIAL NUMBER IS 20192770955.

LEGEND	
EXISTING	PROPOSED
PROPERTY BOUNDARY	---
LOT LINE	---
LEGAL RIGHT-OF-WAY	---
ULTIMATE RIGHT-OF-WAY	---
BUILDING SETBACK	---
EASEMENT	---
CURBING	---
BUILDING	---
PAVEMENT	---
CONCRETE WALKWAY	---
SOIL BOUNDARY	---
UTILITY POLE	---
OVERHEAD WIRES	---
WATER MAIN & VALVE	---
FIRE HYDRANT	---
GAS MAIN & VALVE	---
SANITARY LINE, MANHOLE, & CLEANOUT	---
STORM LINE, MANHOLE, & INLET	---
CHAIN-LINK FENCE	---
POST/SPLIT RAIL FENCE	---
WOOD FENCE	---
SIGN	---
DECIDUOUS TREE	---
EVERGREEN TREE	---
TREE ROW	---
CONTOUR	---
SPOT ELEVATION	---
EDGE OF PAVEMENT	---
EDGE OF GRAVEL	---
BITUMINOUS	---
TYPICAL	---
FINISHED FLOOR	---
DOOR SILL	---
TO BE REMOVED	---

NOTE:
 VERTICAL TEXT INDICATES PROPOSED FEATURES
 SLANTED TEXT INDICATES EXISTING FEATURES



PRELIMINARY/FINAL PLANS

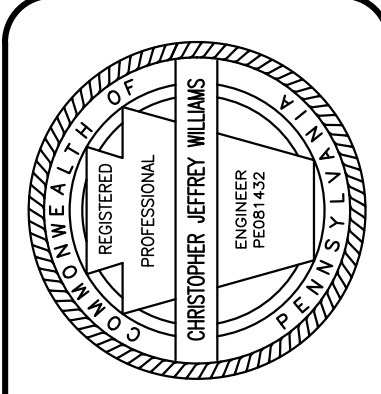
UTILITY PLAN

GIRL SCOUTS OF EASTERN PA.
 2638 W. ROCK ROAD
 SALISBURY TOWNSHIP
 LEHIGH COUNTY, PA

DATE: 8/28/2020	DSGN: CJW
SCALE: 1"=30'	CHK: CJW
DRAWN: JAZ	APPRD: CJW
JOB: 1064119.000	P MGR: CJW
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SHEET: 6 OF 16	

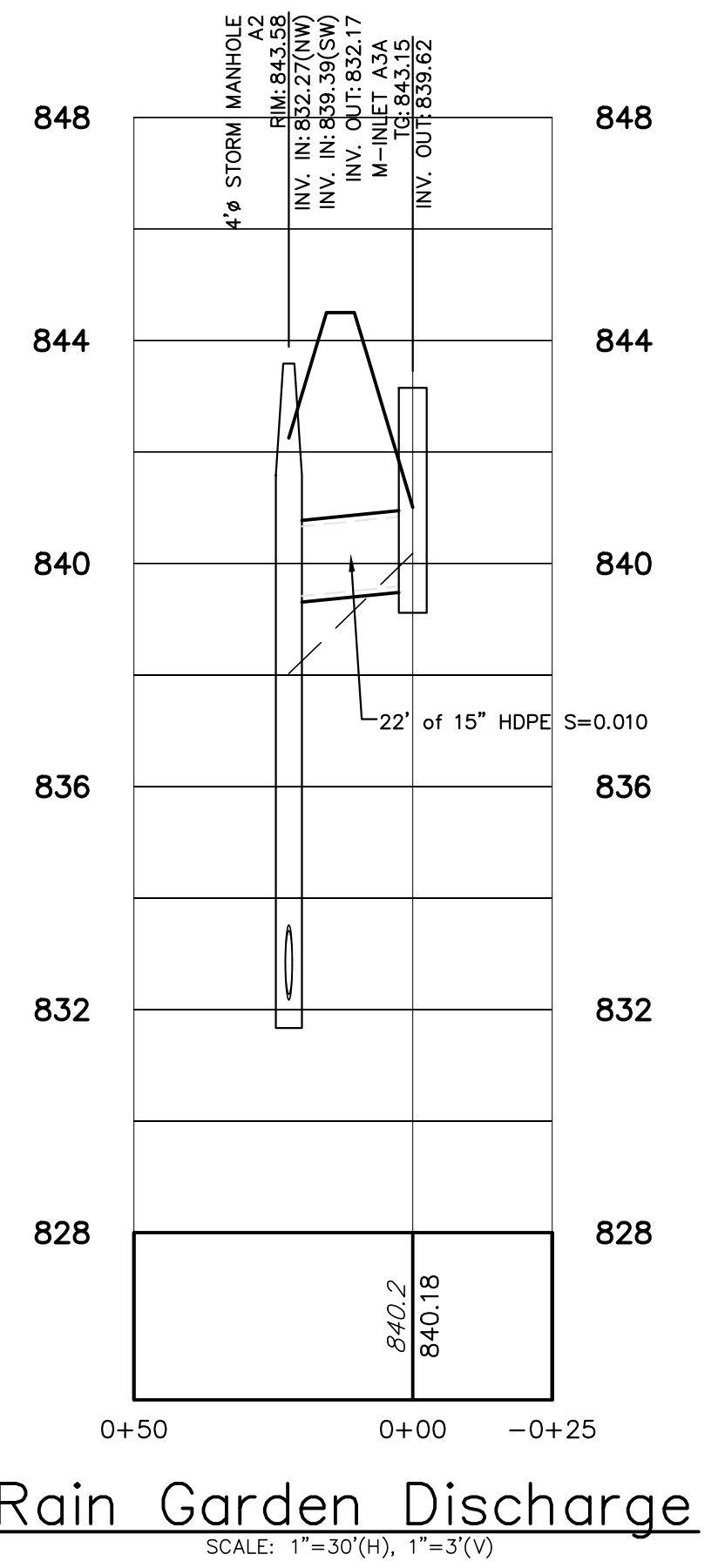
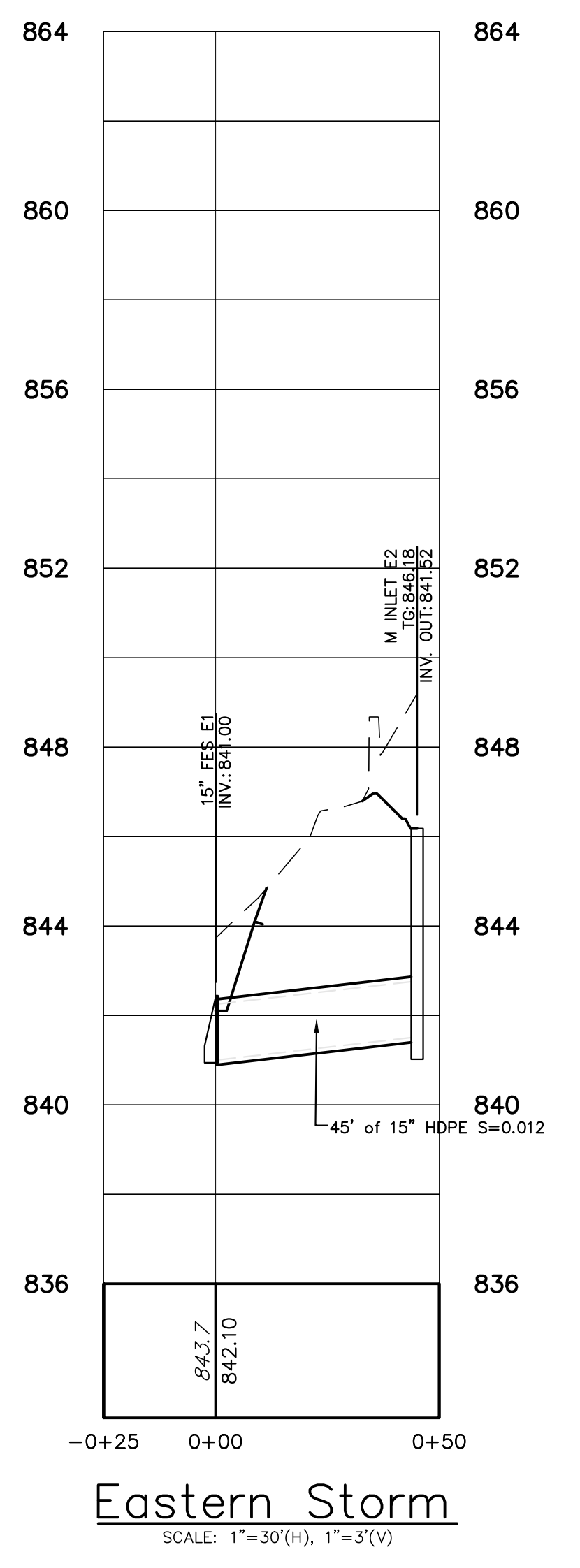
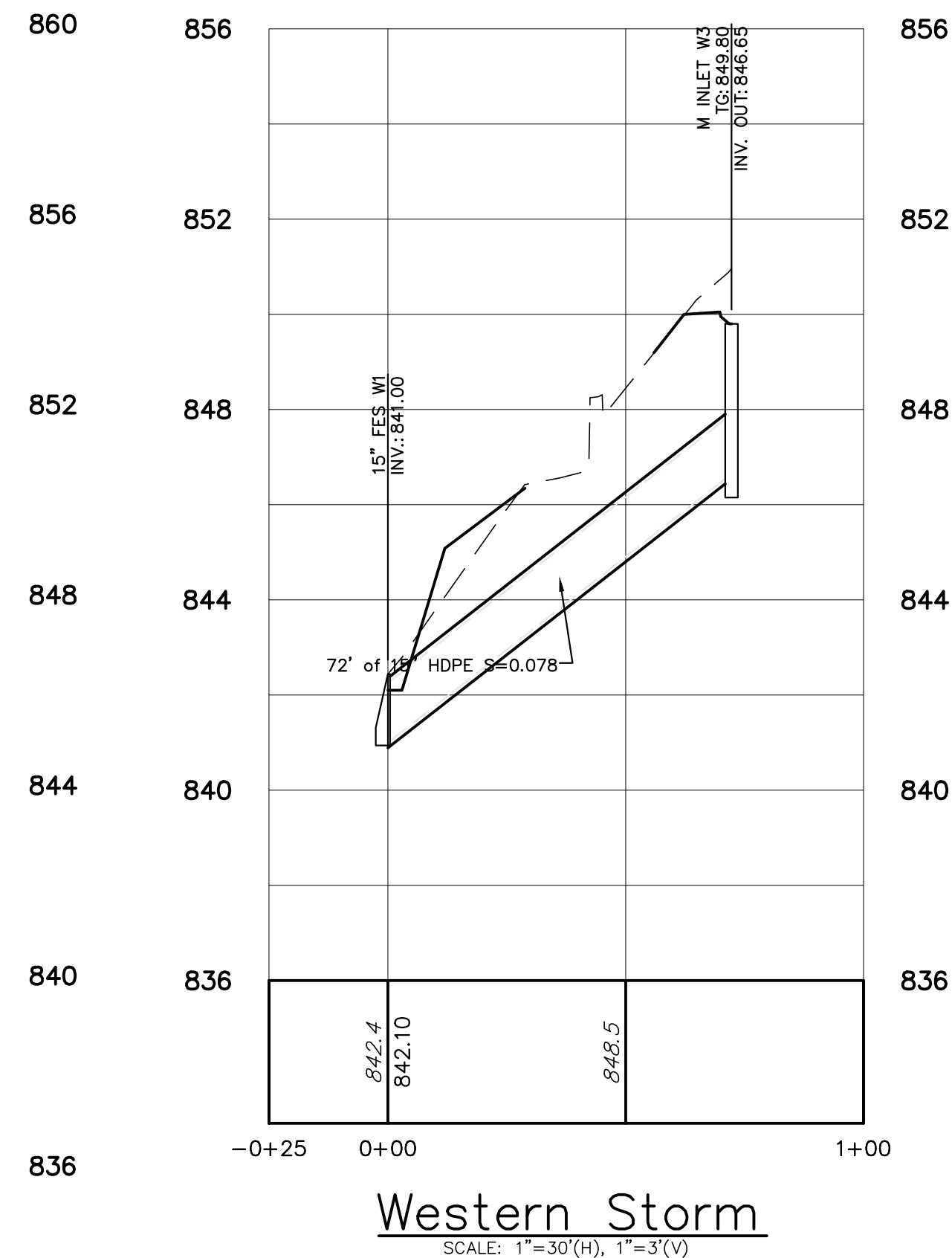
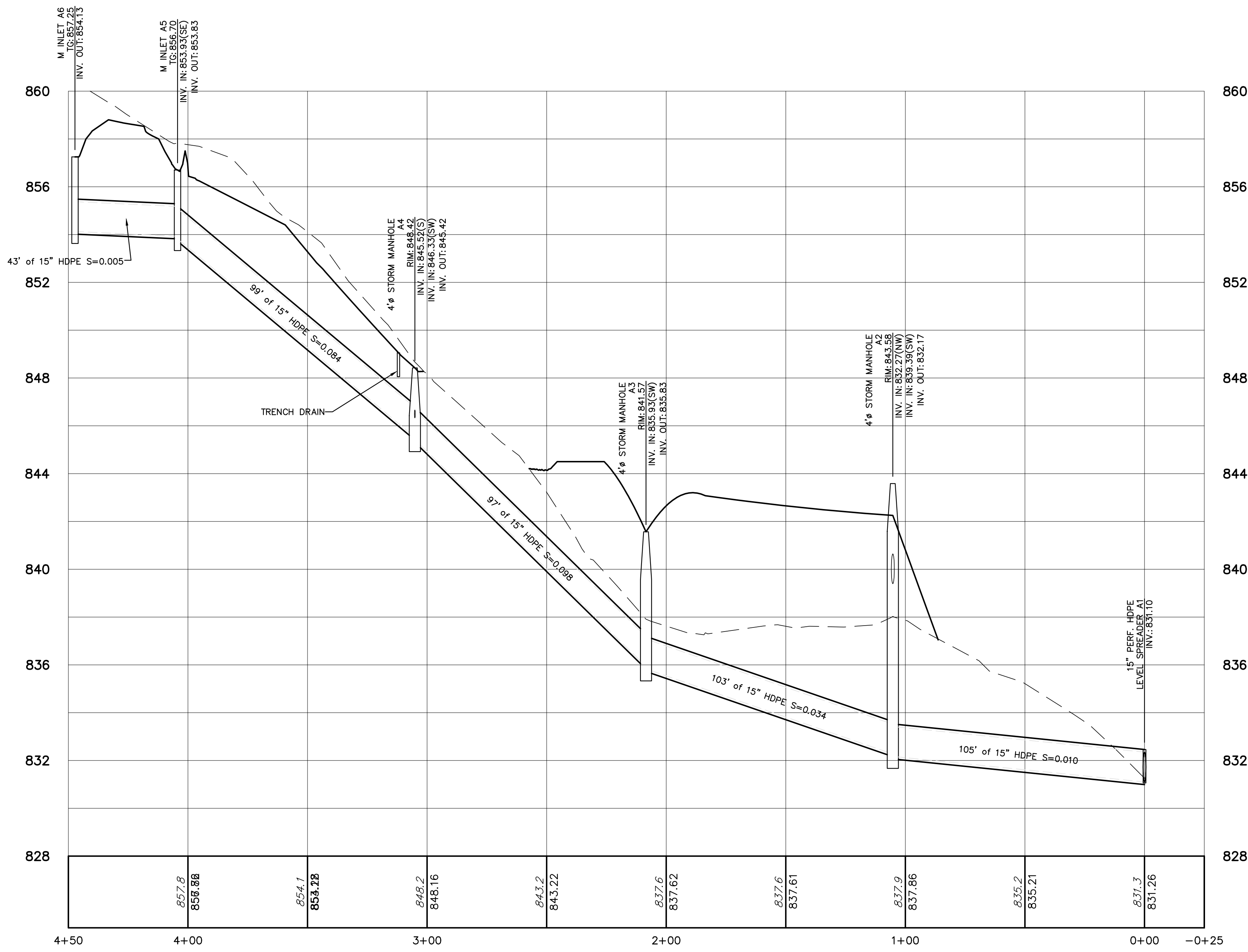
UP-1

BY: JAZ
DATE: 8/18/2020
1. TOWNSHIP COMMENTS
2. LCCO COMMENTS
3. TOWNSHIP COMMENTS



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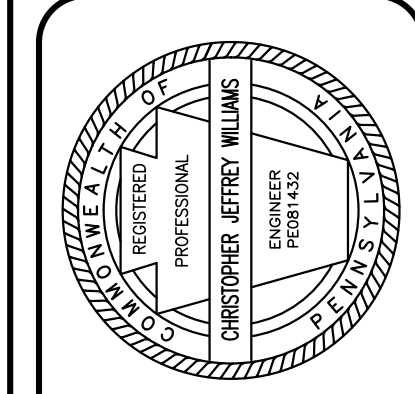
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THE SITE SERIAL NUMBER IS 20192770955.

DATE	BY
9/18/2020	JAZ
10/7/2020	JAZ
11/13/2020	JAZ



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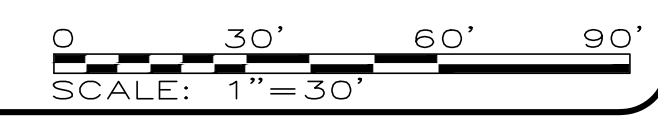
PRELIMINARY/FINAL PLANS

UTILITY PROFILES
GIRL SCOUTS OF EASTERN PA.
2638 W. ROCK ROAD
SALISBURY TOWNSHIP
LEHIGH COUNTY, PA

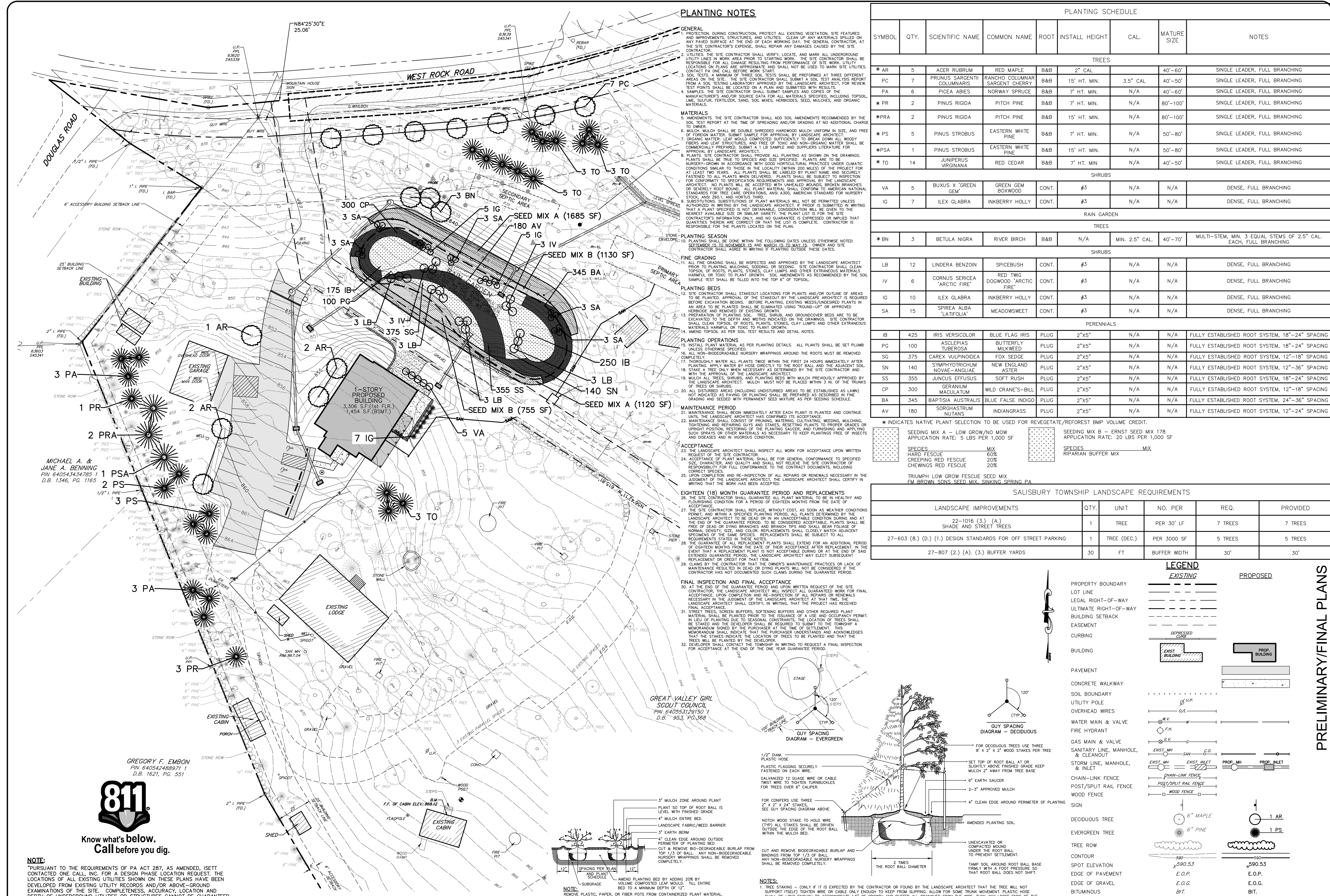
DATE:	8/28/2020	DSGN:	CJW
SCALE:	1"=30'	CHK:	CJW
DRAWN:	JAZ	APPRD:	CJW
JOB:	1064119.000	P MGR:	CJW

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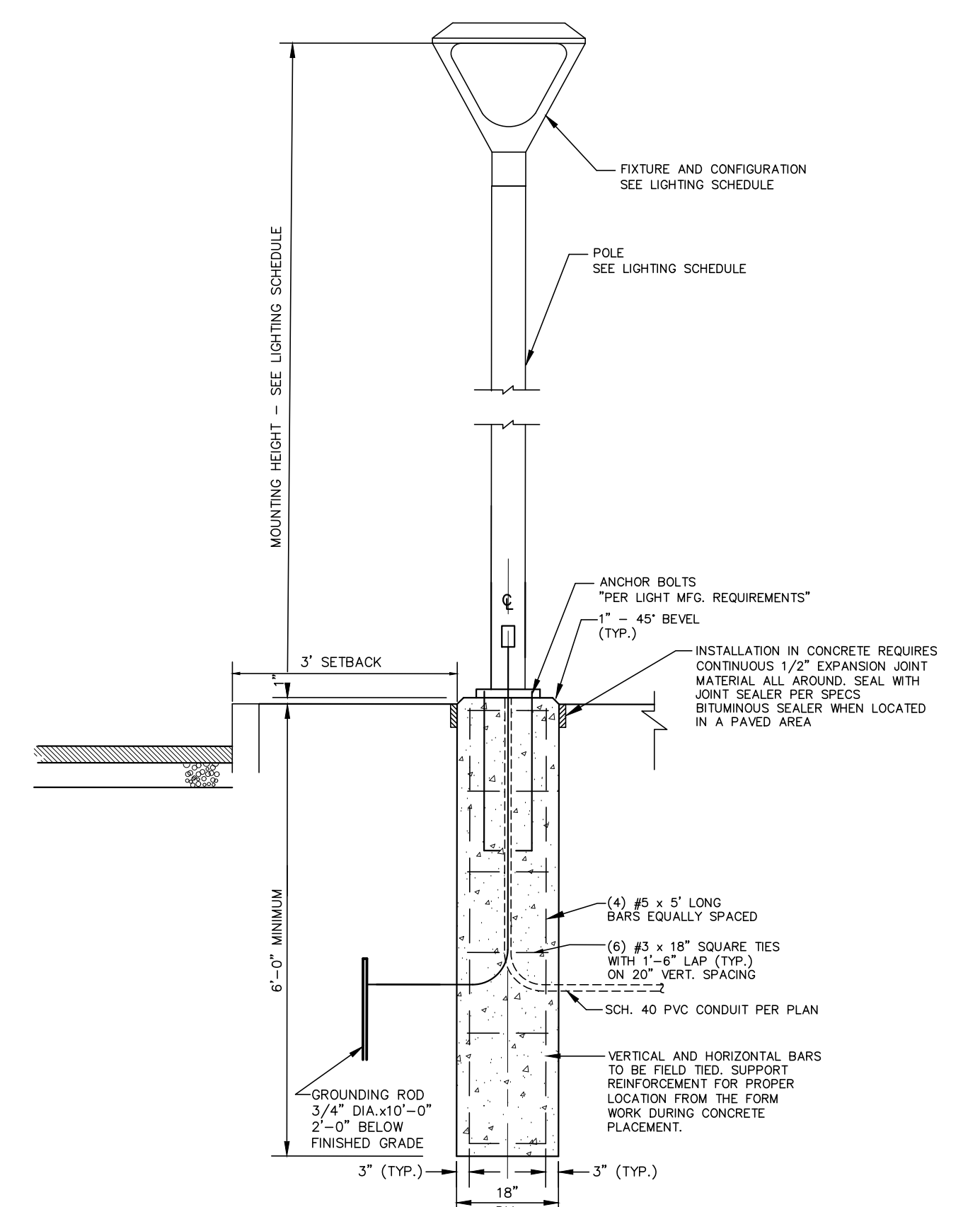
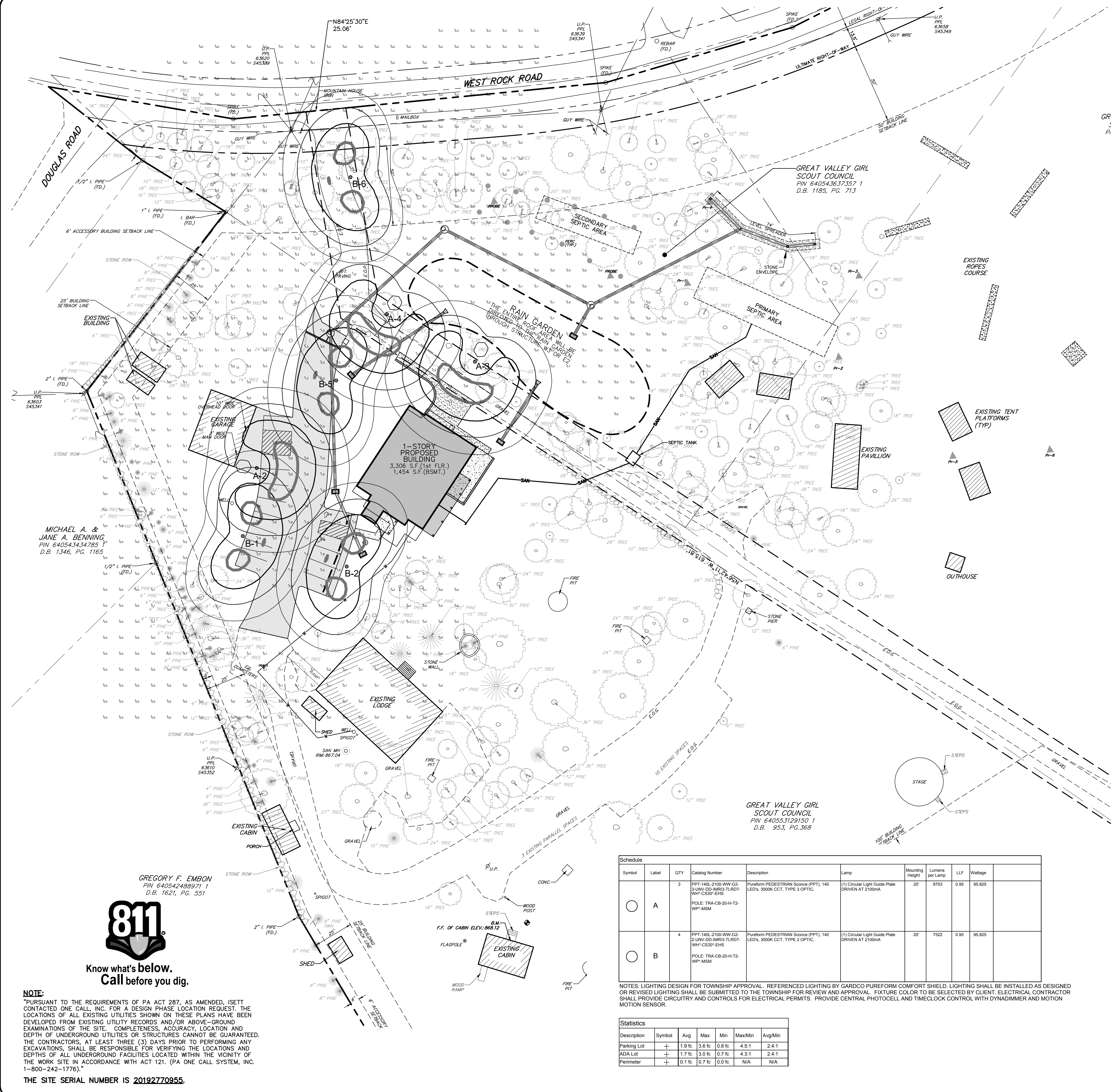
BARRY ISETT & ASSOCIATES
LANDSCAPE ARCHITECTS
REGISTERED PROFESSIONAL ARCHITECT
610.398.0904
barysett.com
85 SOUTH ROUTE 100
ALLENTOWN, PA 18106

PRELIMINARY/FINAL PLANS

LANDSCAPE PLAN
GIRL SCOUTS OF EASTERN PA.
2638 W. ROCK ROAD
SALISBURY TOWNSHIP
LEHIGH COUNTY, PA

DATE: 8/26/2020 DSGN: CJW
SCALE: 1"=30' CHK: CJW
DRAWN: JAZ APPRD: CJW
JOB: 1064119.000 P MGR: CJW
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SHEET: 8 OF 17
LA-1

811
Know what's below.
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GREGORY F. EMBON
PIN 64054248971
D.B. 1621, PG. 551

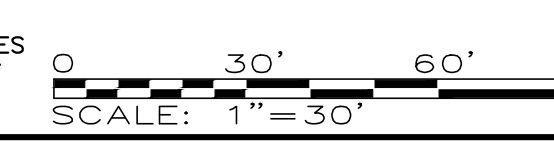


NOTES:
 1. 3500 PSI MIN 28 DAY COMPRESSIVE STRENGTH CONCRETE WITH GRADE 60 REINFORCING STEEL.

LIGHT STANDARD DETAIL
 N.T.S.

	EXISTING	PROPOSED
PROPERTY BOUNDARY	---	---
LOT LINE	---	---
LEGAL RIGHT-OF-WAY	---	---
ULTIMATE RIGHT-OF-WAY	---	---
BUILDING SETBACK	---	---
EASEMENT	---	---
CURBING	---	---
BUILDING	EXIST. BUILDING	PROP. BUILDING
PAVEMENT	---	---
CONCRETE WALKWAY	---	---
SOIL BOUNDARY	---	---
UTILITY POLE	---	---
OVERHEAD WIRES	---	---
WATER MAIN & VALVE	---	---
FIRE HYDRANT	---	---
GAS MAIN & VALVE	---	---
SANITARY LINE, MANHOLE, & CLEANOUT	---	---
STORM LINE, MANHOLE, & INLET	---	---
CHAIN-LINK FENCE	---	---
POST/SPLIT RAIL FENCE	---	---
WOOD FENCE	---	---
SIGN	---	---
DECIDUOUS TREE	6" MAPLE	1 AR
EVERGREEN TREE	6" PINE	1 PS
TREE ROW	---	---
CONTOUR	---	---
SPOT ELEVATION	590.53	590.53
EDGE OF PAVEMENT	E.O.P.	E.O.P.
EDGE OF GRAVEL	E.O.G.	E.O.G.
BITUMINOUS	BIT.	BIT.
TYPICAL	(TYP.)	(TYP.)
FINISHED FLOOR	F.F.	F.F.
DOOR SILL	D.S.	D.S.
TO BE REMOVED	---	(T.B.R.)

NOTE:
 VERTICAL TEXT INDICATES PROPOSED FEATURES
 SLANTED TEXT INDICATES EXISTING FEATURES



Symbol	Label	QTY	Catalog Number	Description	Lamp	Mounting Height	Lumens per Lamp	LLF	Wattage
○	A	3	PPT-140L-2100-WW-G2-3-UNV-SD-JMB3-TLR07-WP-CS30-EHS	Pureform PEDESTRIAN SOURCE (PPT), 140 LED's, 3000K CCT, TYPE 3 OPTIC.	(1) Circular Light Guide Plate DRIVEN AT 2100mA	20'	8703	0.96	96,825
○	B	4	PPT-140L-2100-WW-G2-2-UNV-SD-JMB3-TLR07-WP-CS30-EHS	Pureform PEDESTRIAN SOURCE (PPT), 140 LED's, 3000K CCT, TYPE 2 OPTIC.	(1) Circular Light Guide Plate DRIVEN AT 2100mA	20'	7522	0.96	96,825

NOTES: LIGHTING DESIGN FOR TOWNSHIP APPROVAL. REFERENCED LIGHTING BY GARDCO PUREFORM COMFORT SHIELD. LIGHTING SHALL BE INSTALLED AS DESIGNED OR REVISED LIGHTING SHALL BE SUBMITTED TO THE TOWNSHIP FOR REVIEW AND APPROVAL. FIXTURE COLOR TO BE SELECTED BY CLIENT. ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUITRY AND CONTROLS FOR ELECTRICAL PERMITS. PROVIDE CENTRAL PHOTOCELL AND TIMECLOCK CONTROL WITH DYNAMIMMER AND MOTION MOTION SENSOR.

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Lot	+	1.9 fc	3.6 fc	0.8 fc	4.5:1	2.4:1
ADA Lot	+	1.7 fc	3.0 fc	0.7 fc	4.3:1	2.4:1
Perimeter	+	0.1 fc	0.7 fc	0.0 fc	N/A	N/A

MICHAEL A. & JANE A. BENNING
 PIN 640543434785
 D.B. 1346, PG. 1165

GREGORY F. EMBON
 PIN 64054248971
 D.B. 1621, PG. 551



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BY	DATE	REVISIONS
JAZ	9/18/2020	1. TOWNSHIP COMMENTS
JAZ	10/7/2020	2. LCCD COMMENTS
JAZ	11/13/2020	3. TOWNSHIP COMMENTS

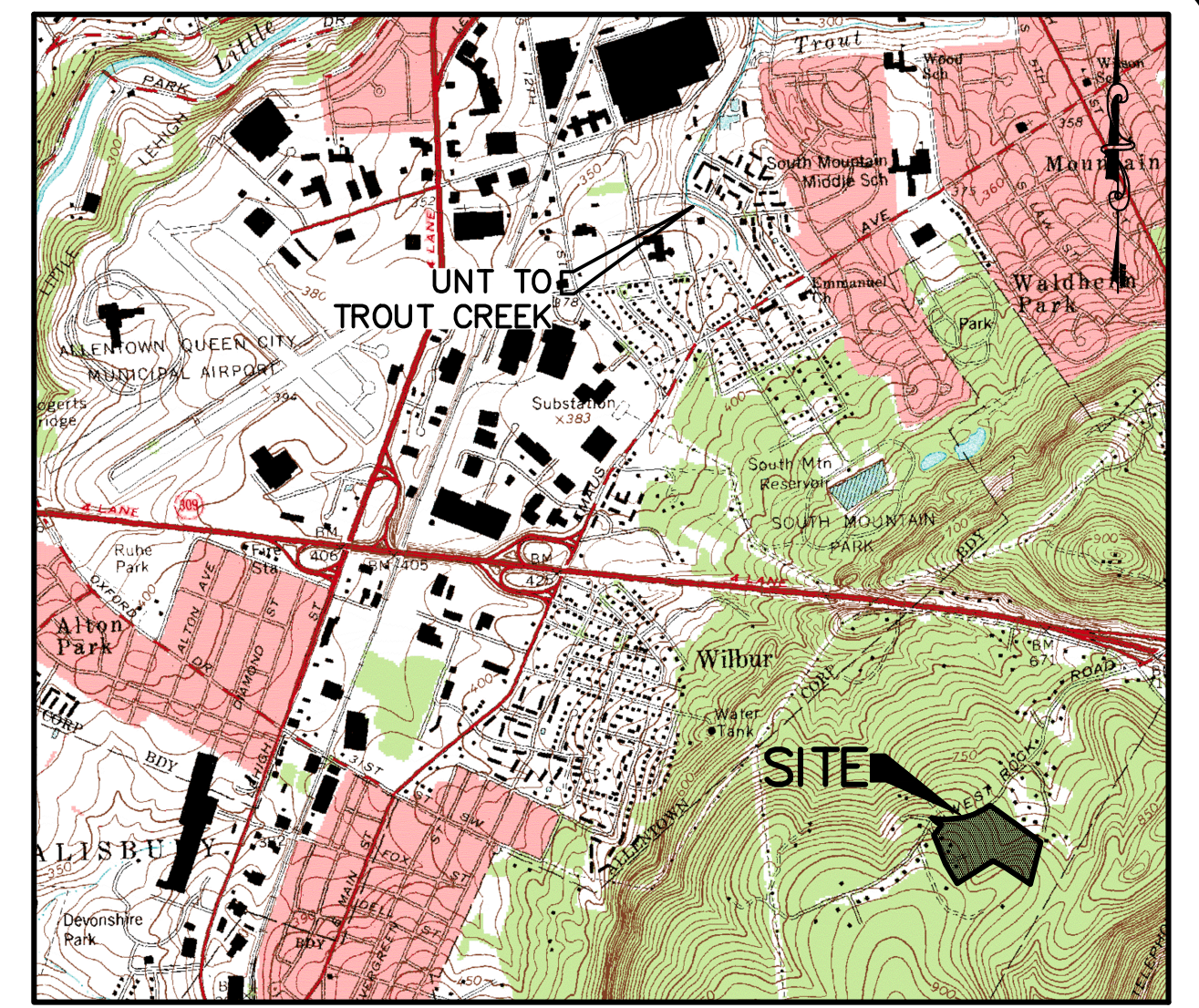
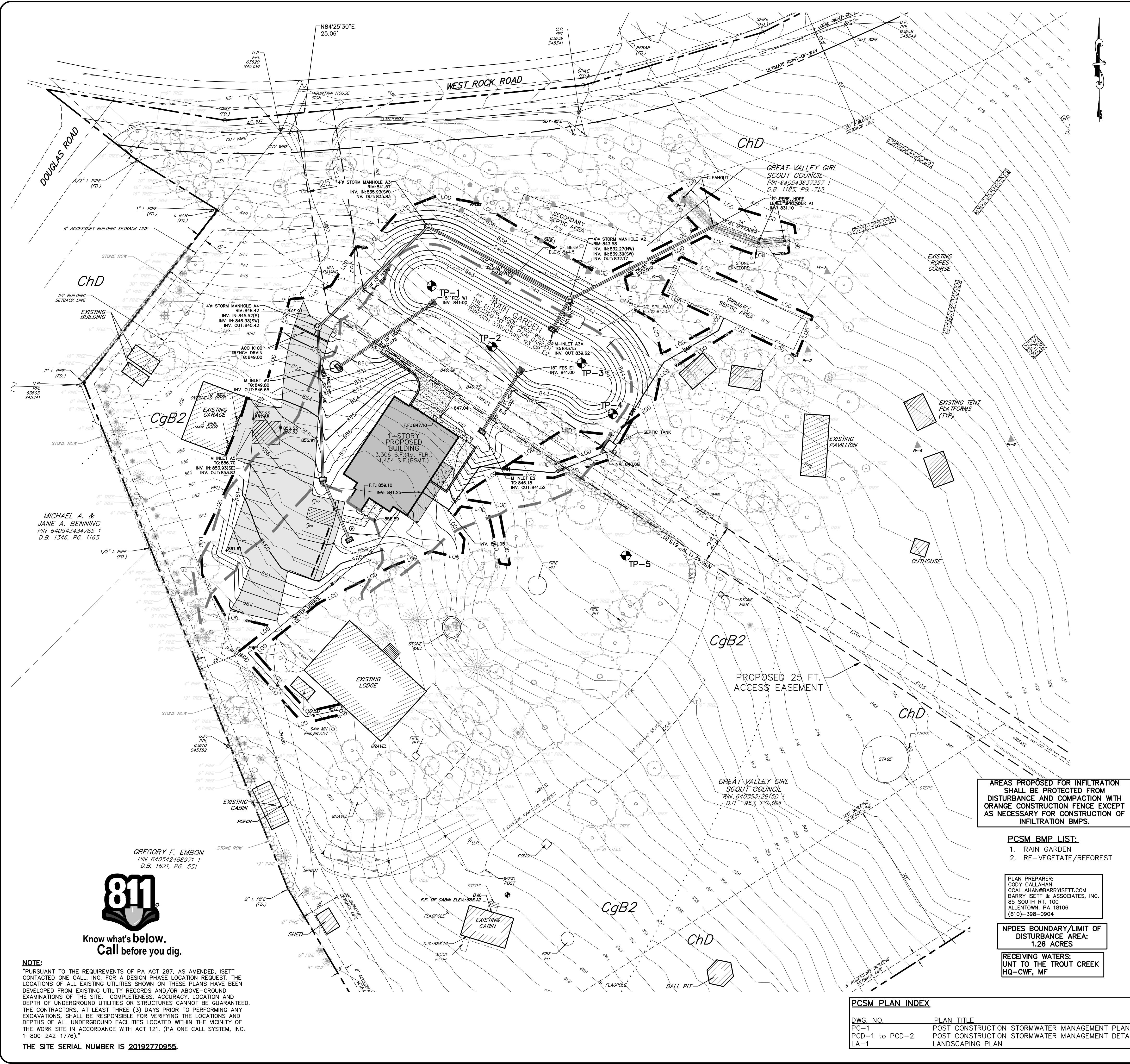
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 610.398.0904
 barryisett.com
 85 SOUTH ROUTE 100
 ALLENTOWN, PA 18106

PRELIMINARY/FINAL PLANS
LIGHTING PLAN
 GIRL SCOUTS OF EASTERN PA.
 2638 W. ROCK ROAD
 SALISBURY TOWNSHIP
 LEHIGH COUNTY, PA

DATE:	8/28/2020	DSGN:	CJW
SCALE:	1"=30'	CHK:	CJW
DRAWN:	JAZ	APPRD:	CJW
JOB:	1064119.000	P MGR:	CJW
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FILENAME: \\barryisett.com\Projects\2019\1064119.000_CSEP-Chubhouse\WORK\PRODUCT\LAND\CAD\Production\05_1064119_LandscapingLightingPlan_2018.dwg - November 2, 2020 12:32 PM



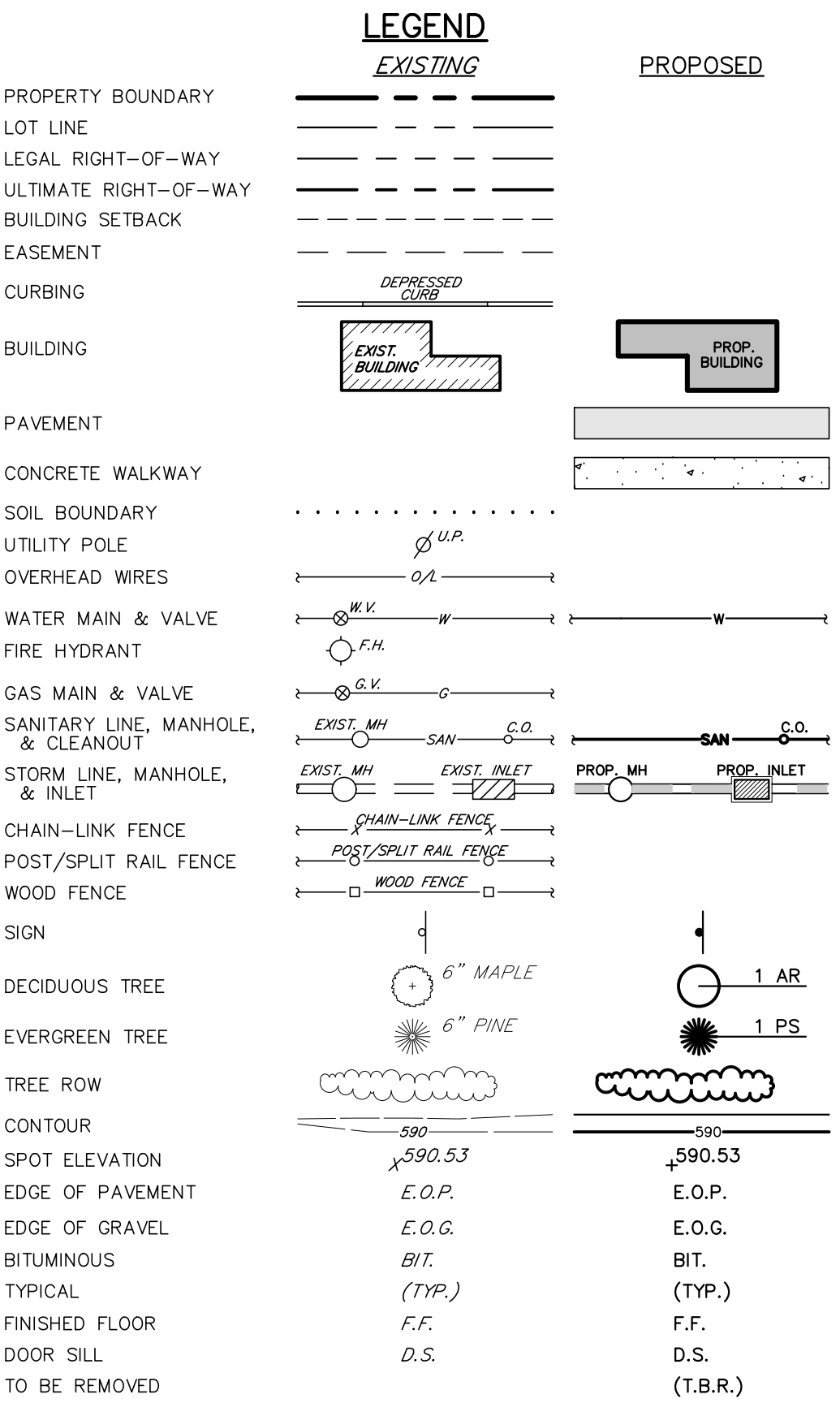
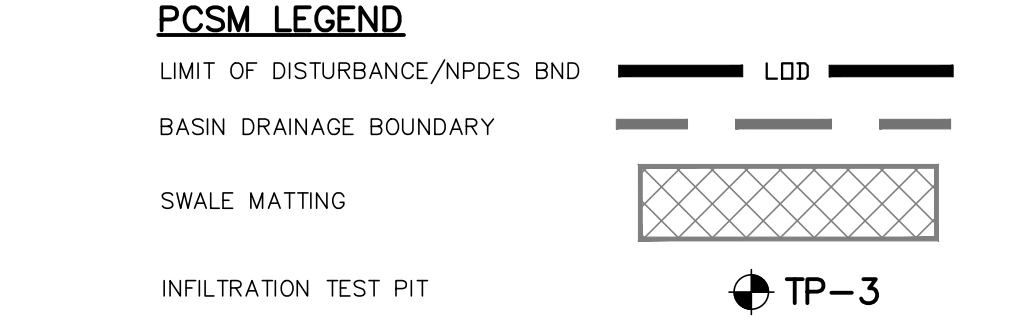
LOCATION MAP
SCALE: 1"=200'

CRITICAL STAGES:
CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN FOR WHICH A LICENSED PROFESSIONAL OR DESIGNEE SHALL BE PRESENT ON THE SITE:

- CONSTRUCTION OF RAIN GARDEN
- CONSTRUCTION OF LEVEL SPREADER

OWNER RESPONSIBILITY NOTE:
THE PROPERTY OWNER, GIRL SCOUTS OF EASTERN PENNSYLVANIA, INC. WILL BE RESPONSIBLE FOR THE OWNERSHIP AND MAINTENANCE RESPONSIBILITIES OF THE STORM SEWER SYSTEM AND ALL POST-CONSTRUCTION STORMWATER MANAGEMENT BMPs. STORMWATER BMPs ARE FIXTURES THAT CANNOT BE ALTERED OR REMOVED WITHOUT APPROVAL BY THE TOWNSHIP.

BABETTE RACCA TITLE
GIRL SCOUTS OF EASTERN PENNSYLVANIA, INC.
330 MANOR ROAD
MIQUON, PA. 19444



AREAS PROPOSED FOR INFILTRATION SHALL BE PROTECTED FROM DISTURBANCE AND COMPACTION WITH ORANGE CONSTRUCTION FENCE EXCEPT AS NECESSARY FOR CONSTRUCTION OF INFILTRATION BMPs.

- PCSM BMP LIST:**
1. RAIN GARDEN
 2. RE-VEGETATE/REFOREST

PLAN PREPARER:
CODY CALLAHAN
CCALLAHAN@BARRYSETT.COM
BARRY SEETT & ASSOCIATES, INC.
85 SOUTH RT. 100
ALLENTOWN, PA 18106
(610)-398-0904

NPDES BOUNDARY/LIMIT OF DISTURBANCE AREA: 1.26 ACRES

RECEIVING WATERS: UNIT TO THE TROUT CREEK HQ-CWF, MF

PCSM PLAN INDEX

DWG. NO.	PLAN TITLE
PC-1	POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
PCD-1 to PCD-2	POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS
LA-1	LANDSCAPING PLAN

PRELIMINARY/FINAL PLANS

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
GIRL SCOUTS OF EASTERN PA.
2638 W. ROCK ROAD
SALISBURY TOWNSHIP
LEHIGH COUNTY, PA

DATE: 8/28/2020	DSGN: CJW
SCALE: 1"=30'	CHK: CJW
DRAWN: JAZ	APPRD: CJW
JOB: 1064119.000	P MGR: CJW
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SHEET: 10 OF 16	

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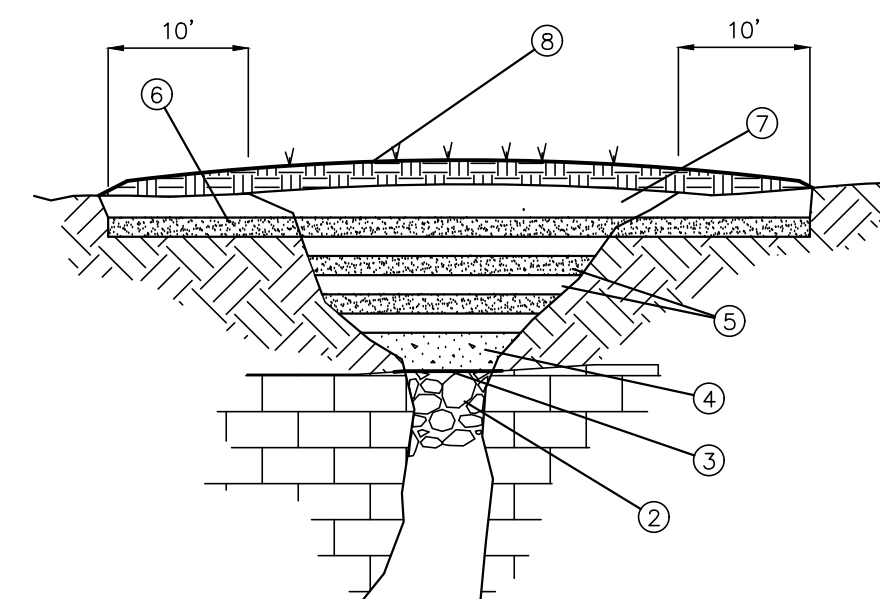
BY: JAZ	DATE: 8/28/2020
JAZ	10/7/2020
JAZ	11/13/2020
REVISIONS	
1. TOWNSHIP COMMENTS	
2. LCOO COMMENTS	
3. TOWNSHIP COMMENTS	

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barrysett.com
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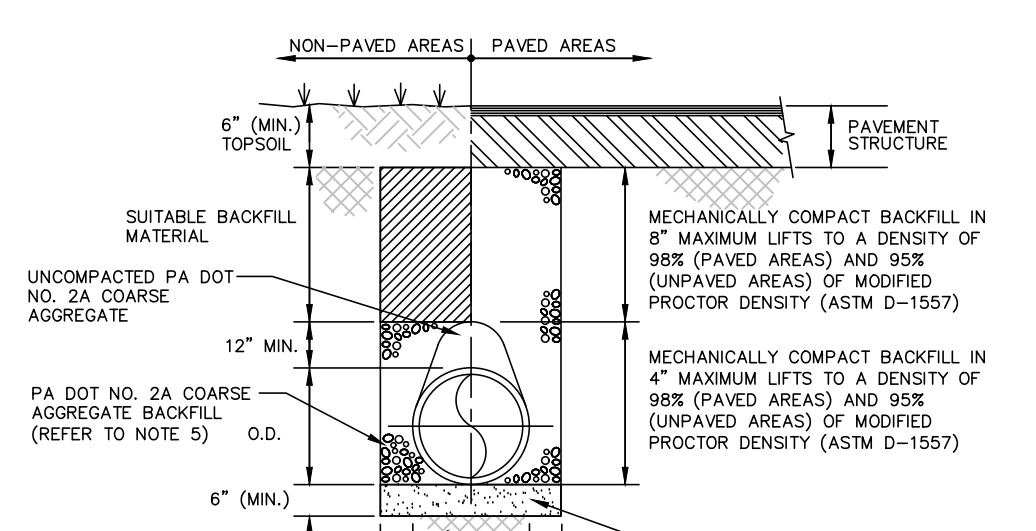
NOTE:
PURSUANT TO THE REQUIREMENTS OF PA ACT 287, AS AMENDED, ISETT CONTACTED ONE CALL, INC. FOR A DESIGN PHASE LOCATION REQUEST. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN DEVELOPED FROM EXISTING UTILITY RECORDS AND/OR ABOVE-GROUND EXAMINATIONS OF THE SITE. COMPLETENESS, ACCURACY, LOCATION AND DEPTH OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. THE CONTRACTORS, AT LEAST THREE (3) DAYS PRIOR TO PERFORMING ANY EXCAVATIONS, SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF ALL UNDERGROUND FACILITIES LOCATED WITHIN THE VICINITY OF THE WORK SITE IN ACCORDANCE WITH ACT 121. (PA ONE CALL SYSTEM, INC. 1-800-242-1776).
THE SITE SERIAL NUMBER IS 20192770955.

FILENAME: \\barry.com\work\Projects\2019\1064119.000_CSEPP-Clubhouse\WORK_PRODUCT\LAND\CAD_Productions\05_1064119_PCSM_Plan_2018.dwg - November 12, 2020 12:34 PM



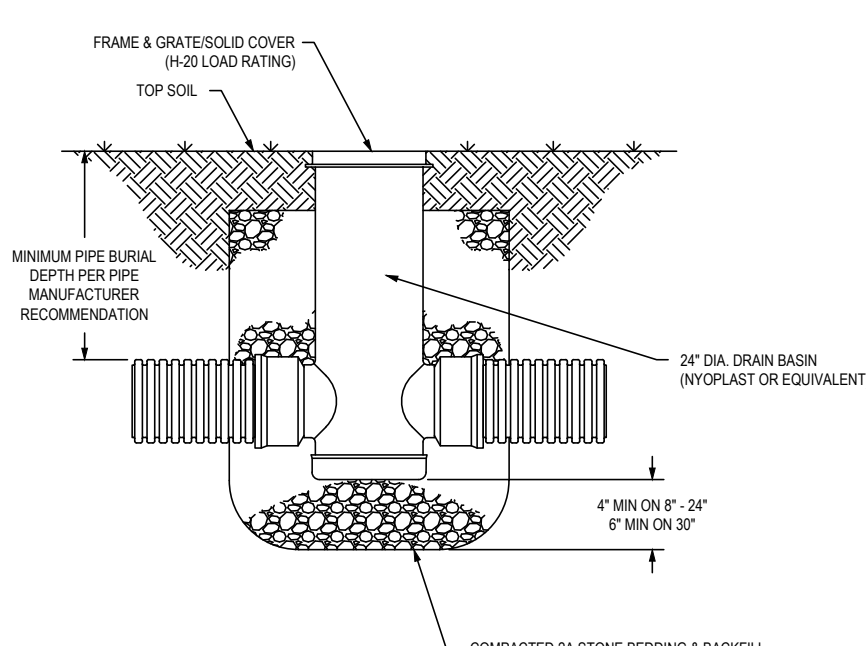
- NOTES:**
- OVER EXCAVATE SINKHOLE THROAT TO REMOVE ALL SOIL AND LOOSE ROCK.
 - PLACE ROCK(S) TO PLUG SINKHOLE THROAT. ROCKS SHALL BE SIZED SO THEY CANNOT GO THROUGH THE THROAT. FILL SMALL VOIDS WITH SMALLER ROCK TO LEVEL THE PLUG.
 - PLACE A THIN LIFT OF BENTONITE CLAY TO LEVEL THE ROCK PLUG. PLACE GEOTEXTILE DRAINAGE FABRIC OVER THE DISTURBED AREA. EMBEDDING 6" ON ALL EDGES. FABRIC TO HAVE TENSILE STRENGTH OF 90 LBS. AND AN EQUIVALENT OPENING SIZE OF SIEVE #200 MINIMUM.
 - LARGER OPENINGS MAY REQUIRE A CONCRETE PLUG. 18"-24" THICK.
 - PLACE BENTONITE CLAY/SOIL (1 TO 2 LBS./S.F., 8" LIFT, 95% MOD. PROCTOR). PLACE COMPACTED FINE-GRAINED NATIVE CLAY FILL (8" LIFTS, 95% MOD. PROCTOR) EVERY OTHER LIFT TO 12" BELOW FINAL GRADE.
 - INSTALL BENTONITE CLAY/SOIL CAP 10" BELOW THE EXCAVATION AS SHOWN.
 - GRADE NATIVE CLAY TO DRAIN AWAY FROM THE AREA.
 - PLACE 4" OF TOPSOIL, RESEED OR SOD TO STABILIZE.
 - ALL STABILIZATION WORK SHOULD BE DONE UNDER SUPERVISION OF A GEOLOGIST OR ENGINEER FAMILIAR WITH SITE AND FOUNDATION CONDITIONS.

SINKHOLE MITIGATION DETAIL
N.T.S.

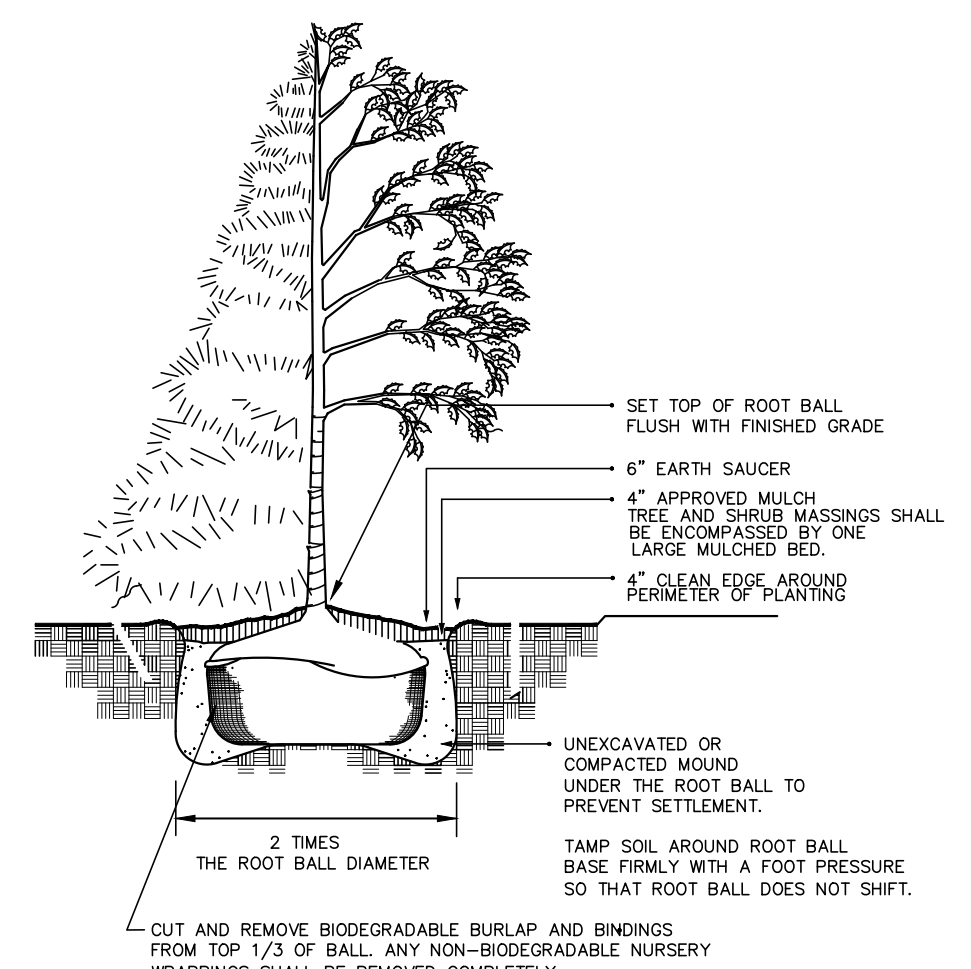


- NOTES:**
- EXCAVATE TRENCH BOX AND INSTALL SHORING AS REQUIRED TO COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND CODES.
 - IF UNSUITABLE MATERIAL IS FOUND, UNDERCUT AS DIRECTED BY THE ENGINEER AND BACKFILL WITH SUITABLE MATERIAL TO BOTTOM OF BEDDING ELEVATION.
 - KEEP EXCAVATIONS DRY AND FREE OF WATER. INTERCEPT AND DIVERT SURFACE DRAINAGE AWAY FROM EXCAVATIONS. DEWATER ANY PRECIPITATION AND SUBSURFACE WATER FROM EXCAVATIONS.
 - DO NOT ADVANCE TRENCHING OPERATIONS MORE THAN 200 FEET AHEAD OF COMPLETED PIPELINE.
 - ALL TRENCHES WITHIN PAVED AREAS SHALL BE BACKFILLED WITH FULL DEPTH PA DOT NO. 2A COARSE AGGREGATE.

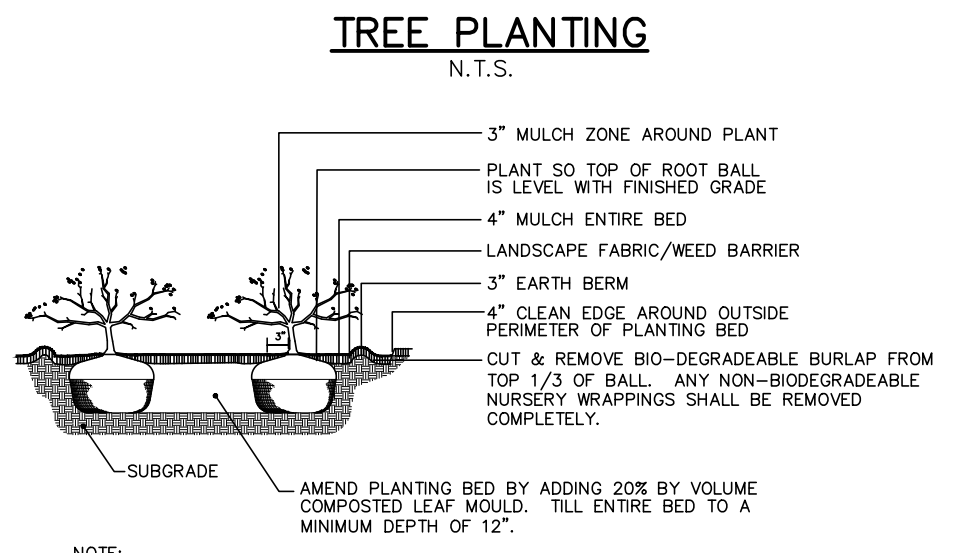
TYPICAL STORM PIPE TRENCH & BACKFILL
N.T.S.



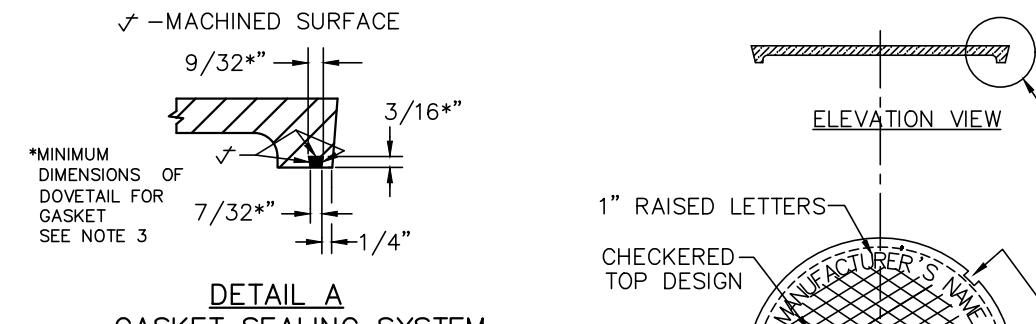
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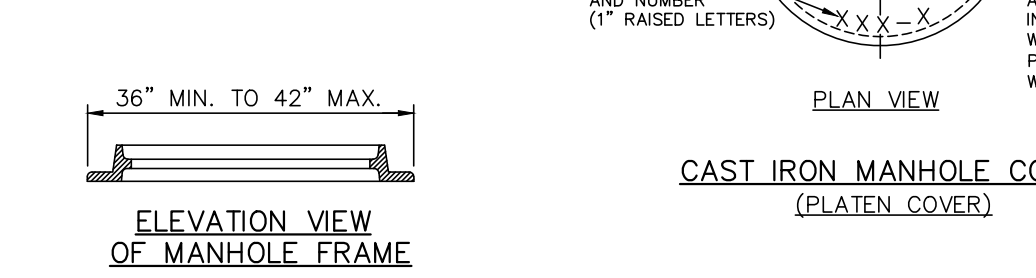
TREE PLANTING
N.T.S.



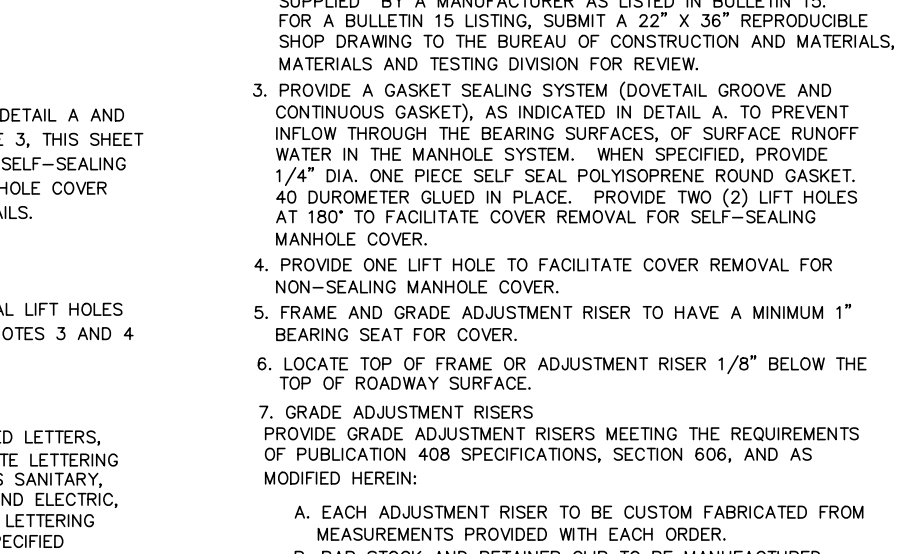
SHRUB BED
N.T.S.



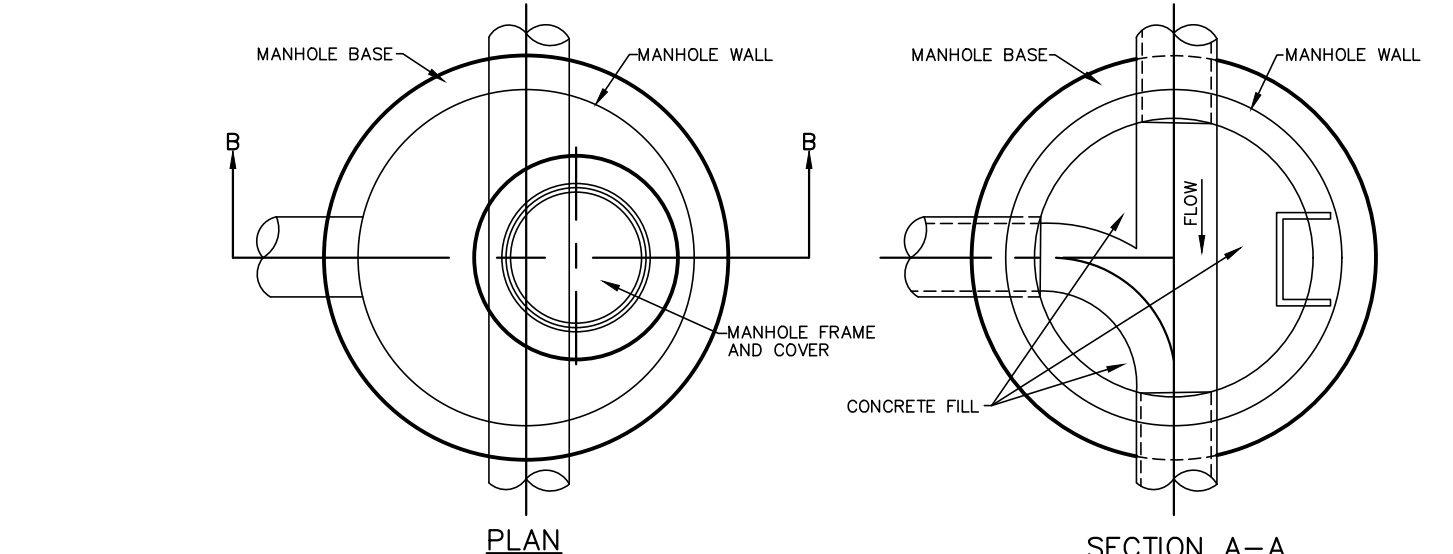
DETAIL A GASKET SEALING SYSTEM



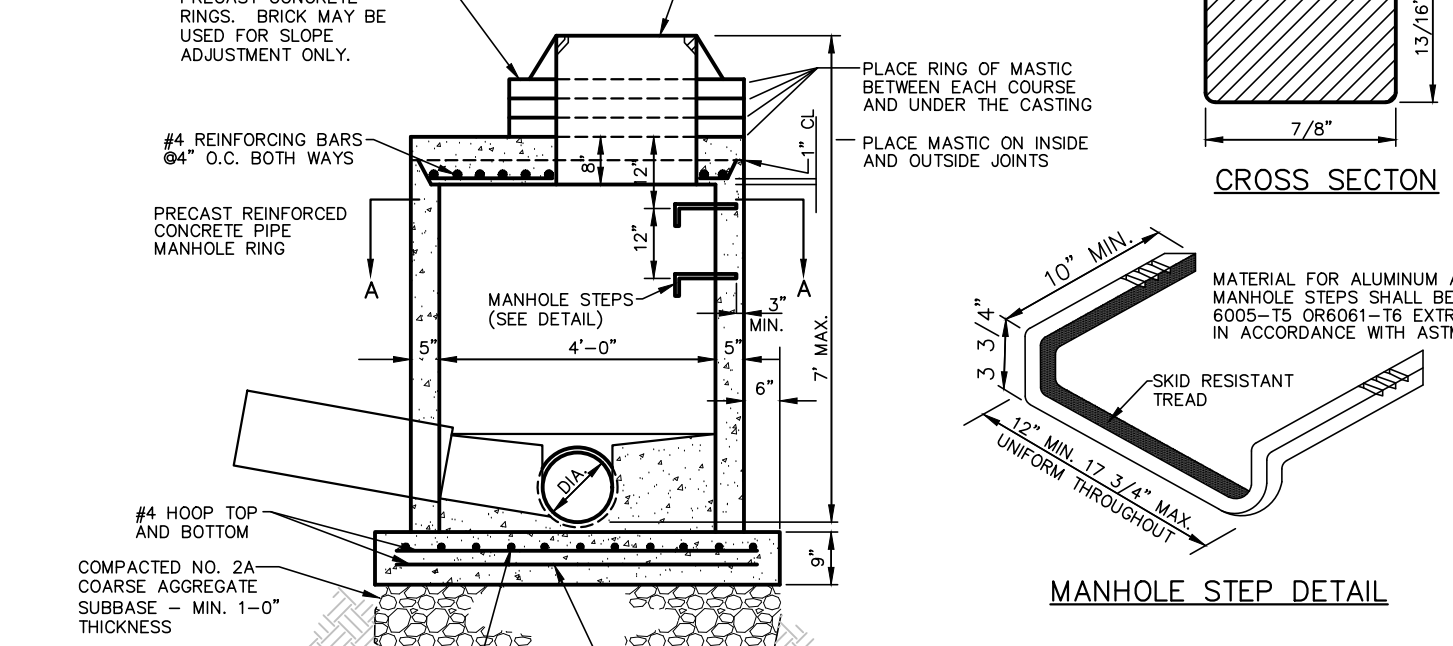
ELEVATION VIEW OF MANHOLE FRAME



CAST IRON MANHOLE COVER (PLATEN COVER)



MANHOLE STEP DETAIL



SHALLOW PRECAST CONCRETE PIPE MANHOLE (SHOWN WITH PRECAST BASE)
N.T.S.

STORM MANHOLE FRAME AND COVER
N.T.S.

(FOR DETAILED INFORMATION REFERENCE PennDOT RC-45m)

SEEDING SCHEDULE

TEMPORARY COVER FOR EROSION CONTROL

INITIAL PROTECTION: APPLY TEMPORARY SEEDING WHEN PERMANENT SEEDING IS DELAYED OR OUT OF PLANTING SEASON.

SITE PREPARATION: INCORPORATE LIME AND FERTILIZER (RATE BASED ON SOIL TESTS) INTO THE TOP 4-6\"/>

SEASON	SPECIES	RATE (LB./ACRE)
SPRING (MARCH 15 TO JUNE 15)	ANNUAL RYEGRASS or SPRING OATS	40
SUMMER (JUNE 16 TO AUGUST 15)	ANNUAL RYEGRASS	96
FALL (AUGUST 16 TO NOVEMBER 15)	ANNUAL RYEGRASS or WINTER RYE	40
MULCHING:	APPLY THREE TONS PER ACRE OF STRAW TO ACHIEVE A LOOSE LAYER 3/4-1\"/>	
METHOD:	APPLY SEED USING DRILL FITTED WITH A DEPTH BAND AND PACHA WHEEL. PLANT GRASS SEEDS AT 0.25 TO 0.5 INCHES DEEP. WHEAT, RYE AND OATS MAY BE PLANTED 1 TO 1.5 INCHES DEEP. BROADCAST SEEDING PERMITTED WITH IMMEDIATE MULCH COVER. HYDROSEEDING OF PERMANENT SEEDING IS NOT PERMITTED.	
SEED SPECIES BY SITE	RATE (LB./1000 SF)	
LAWNS		
KENTUCKY BLUEGRASS (POA PRATENSIS) and TURF-TYPE PERENNIAL RYEGRASS (LOLIUM PERENNE) and FINE (RED or CHEWING) FESCUE (FESTUCA RUBRA/COMMUTATA)	4	2.5
ATHLETIC FIELDS **		
KENTUCKY BLUEGRASS (POA PRATENSIS) and TURF-TYPE PERENNIAL RYEGRASS (LOLIUM PERENNE) and TURF-TYPE TALL FESCUE (FESTUCA ARUNDINACEA) **	1.5	3
** SEED 50' BEYOND EDGE OF FIELD		
SLOPES AND BANKS		
CHEWINGS FESCUE (FESTUCA RUBRA COMMUTATA) and BLUE FESCUE (FESTUCA OVINA GLAUCA) and HARD FESCUE (FESTUCA OVINA DURUSCULA) and CREEPING RED FESCUE (FESTUCA RUBRA RUBRA) and SLENDER FESCUE (FESTUCA RUBRA TRICHOPHYLLA) and DANSON RED FESCUE (FESTUCA RUBRA DAWSON) and ANNUAL RYEGRASS (FESTUCA MULTIFLORA)	2	1
DRAINAGE DITCHES, DETENTION BASIN (MOWED)		
ANNUAL RYEGRASS and REDTOP (AGROSTIS ALBA) and TALL FESCUE (FESTUCA ARUNDINACEA) and SWITCHGRASS (PANICUM VIRGATUM)	2	2.5
DETENTION BASIN (ONE MOWING ANNUALLY)		
RETOP (AGROSTIS ALBA) and CREEPING BENTGRASS (AGROSTIS STOLONIFERA) and ROYAL HEMP RYE (ELYMUS RIPARIUS) and FOWL BLUEGRASS (POA PALUSTRIS) and ALKALIGRASS (PUCCINELLIA DISTANS) and ANNUAL RYEGRASS	0.5	0.5
* ALL SEED TO BE MIN. 98% PURE LIVE SEED.		
SUGGESTED VARIETIES		
FINE FESCUE - RELIANT II, SR3100, DISCOVERY, OSPREY		
TALL FESCUE - HUNTER II, MONTANA, MONTANA, and Apache II		
WINTER RYE - ARCOOSTOOK OR BALBO TYPE		
KENTUCKY BLUEGRASS - SR 2109, NORTH STAR, BLACKSBURG, BRILLIANT		

REVEGETATE/REFOREST:

- TREES SHALL BE NATIVE SPECIES, (MIN. 2\"/>

PRELIMINARY/FINAL PLANS

POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS

GIRL SCOUTS OF EASTERN PA.
2638 W. ROCK ROAD
SALISBURY TOWNSHIP
LEHIGH COUNTY, PA

DATE: 8/28/2020 DSGN: CJW
SCALE: AS NOTED CHK: CJW
DRAWN: JAZ APPRD: CJW
JOB: 1064119.000 P MGR: CJW

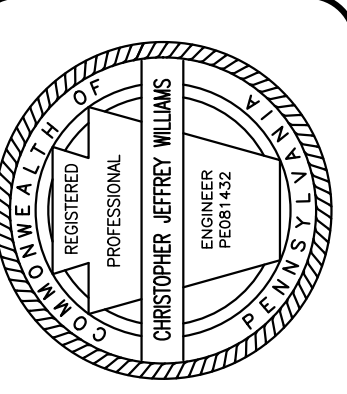
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SHEET: 11 OF 16

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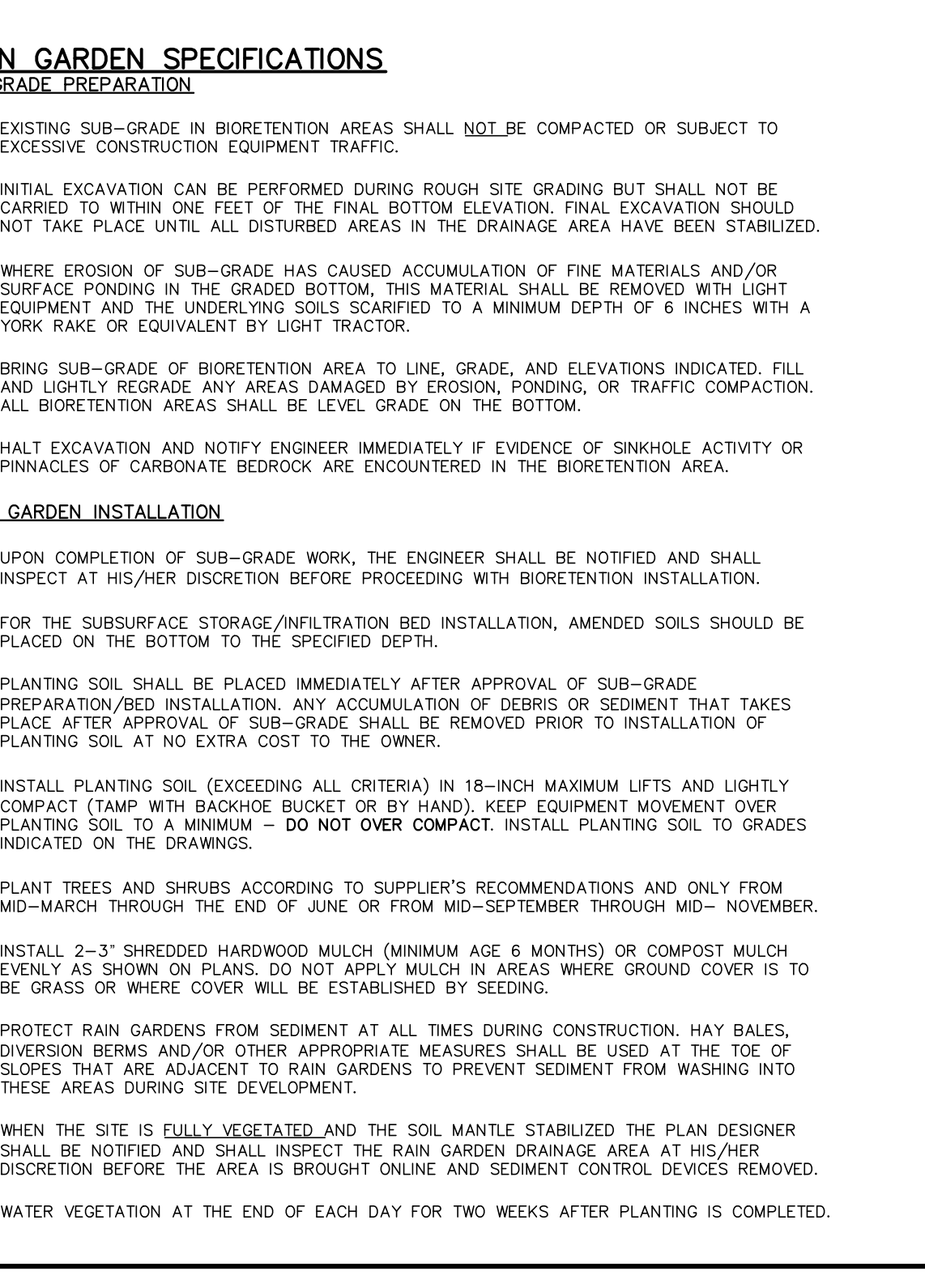
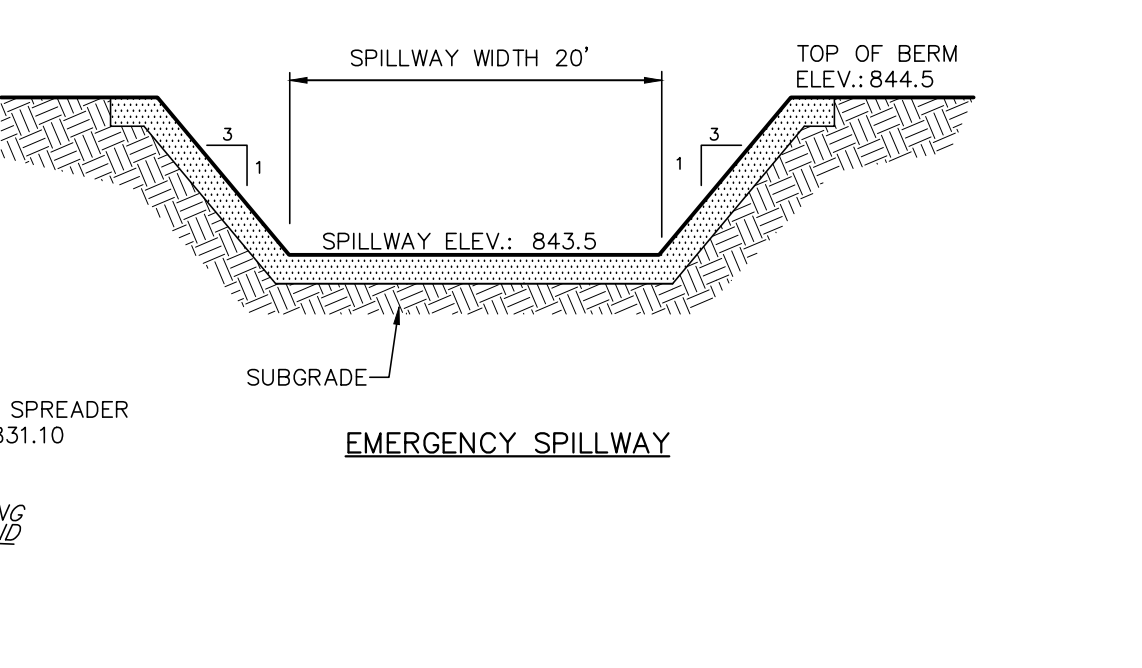
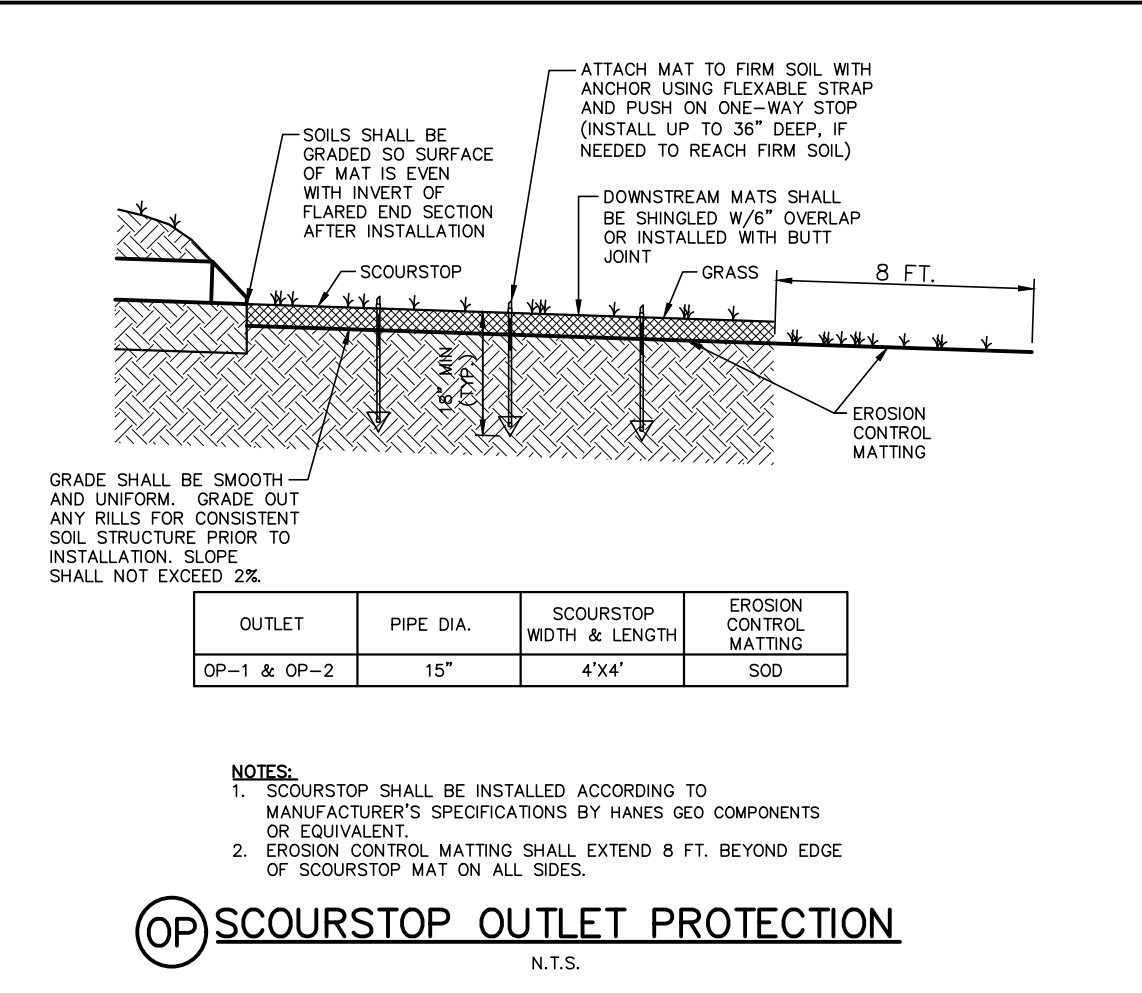
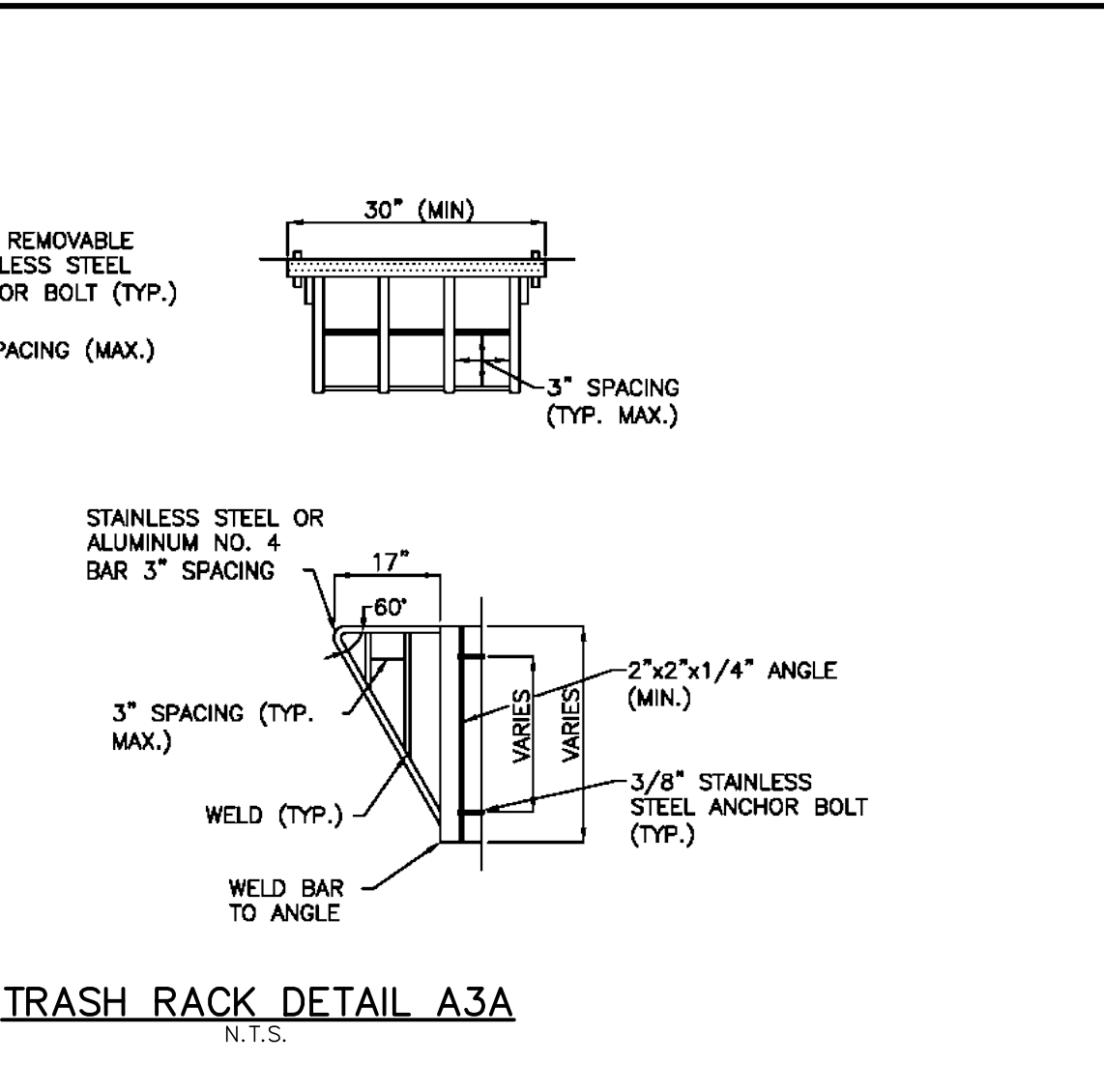
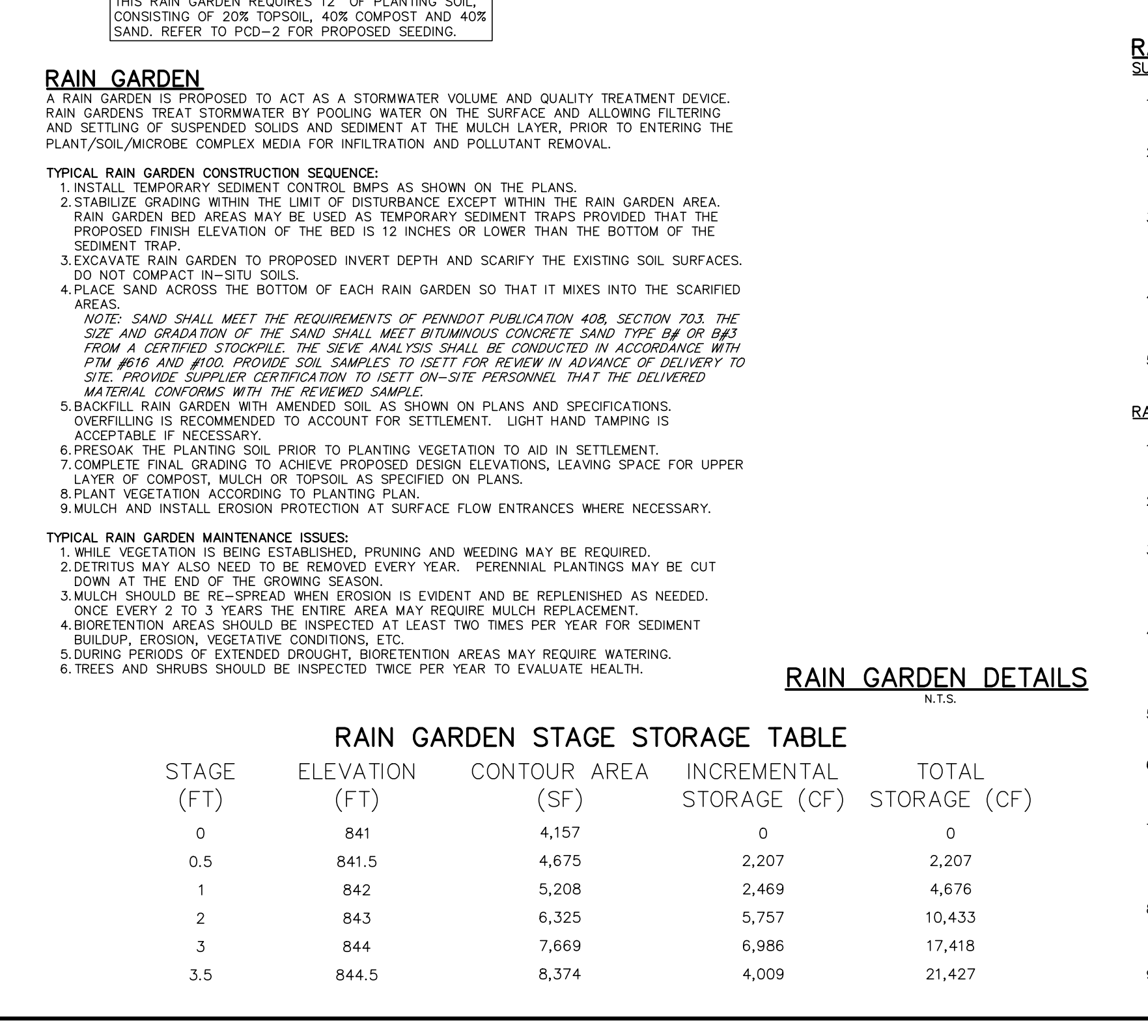
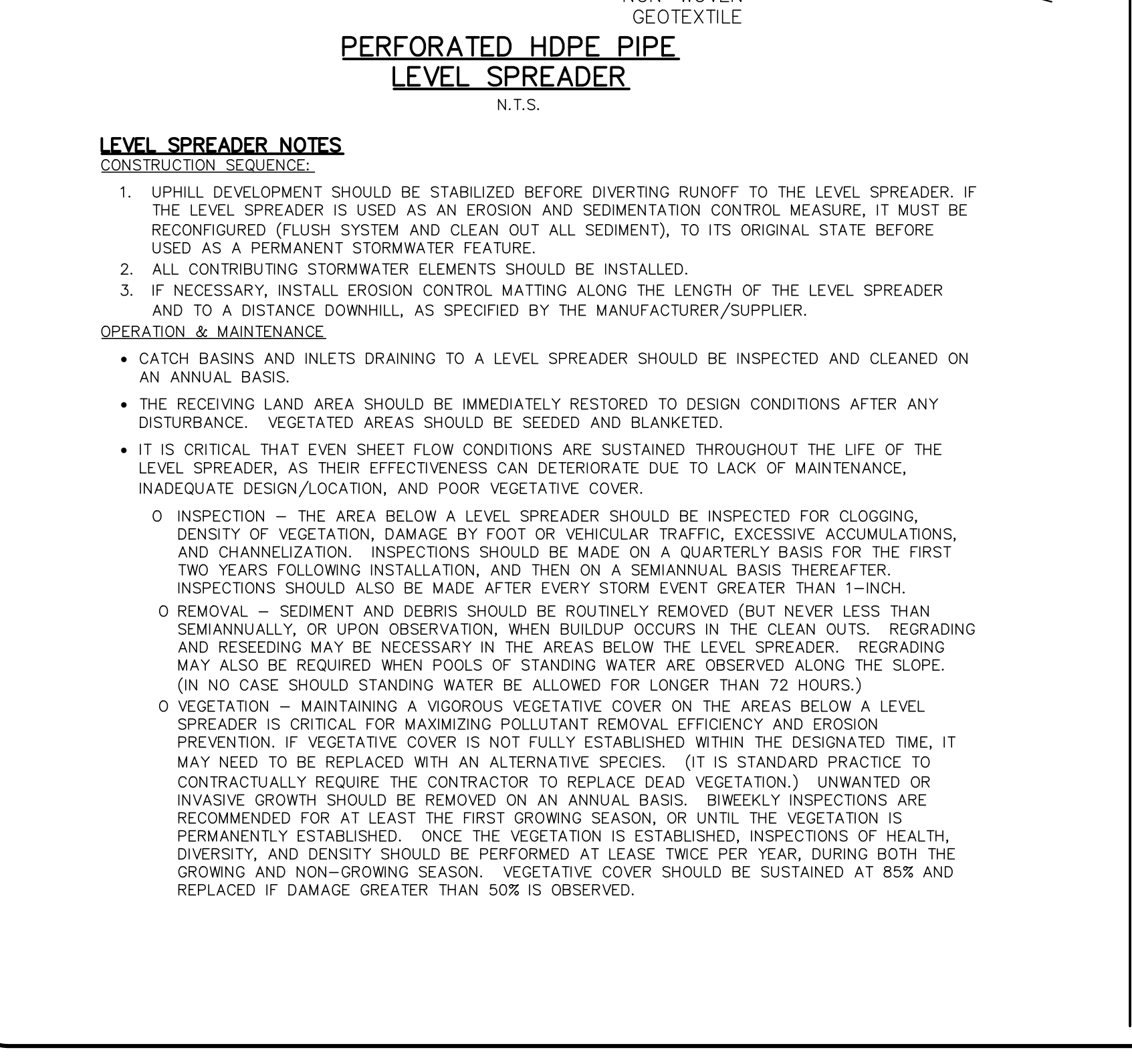
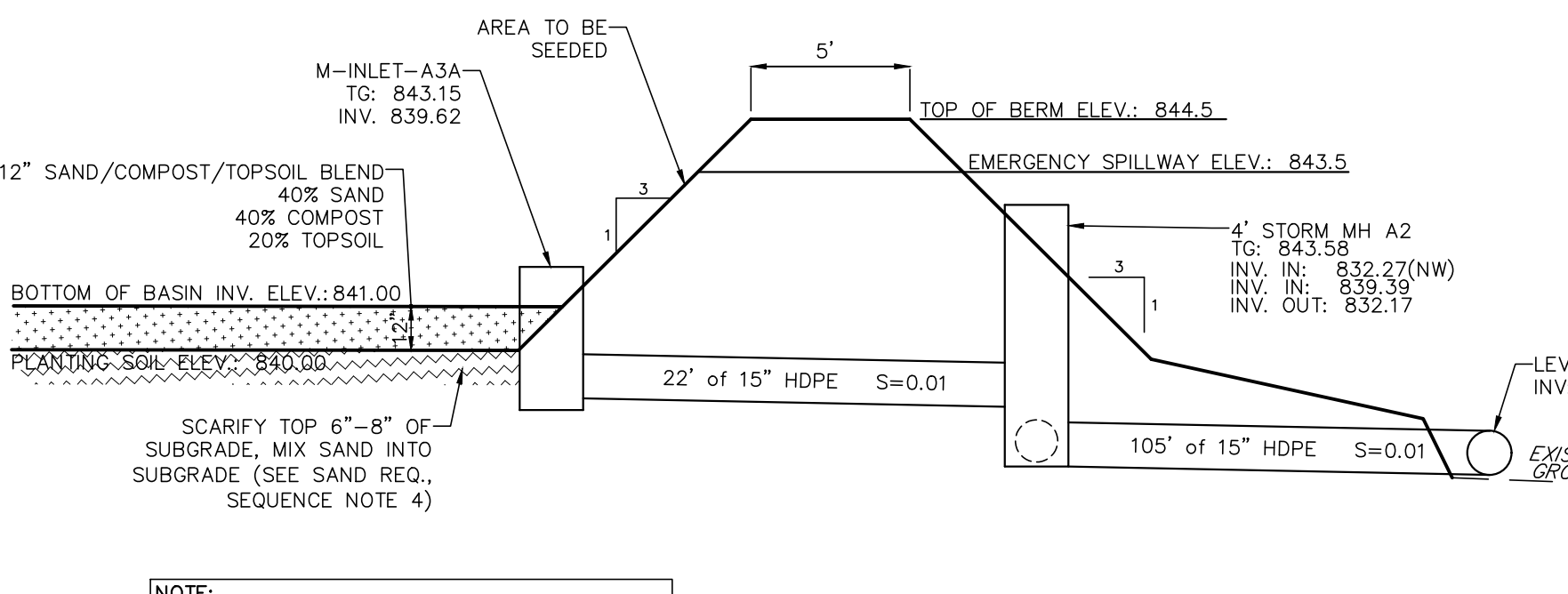
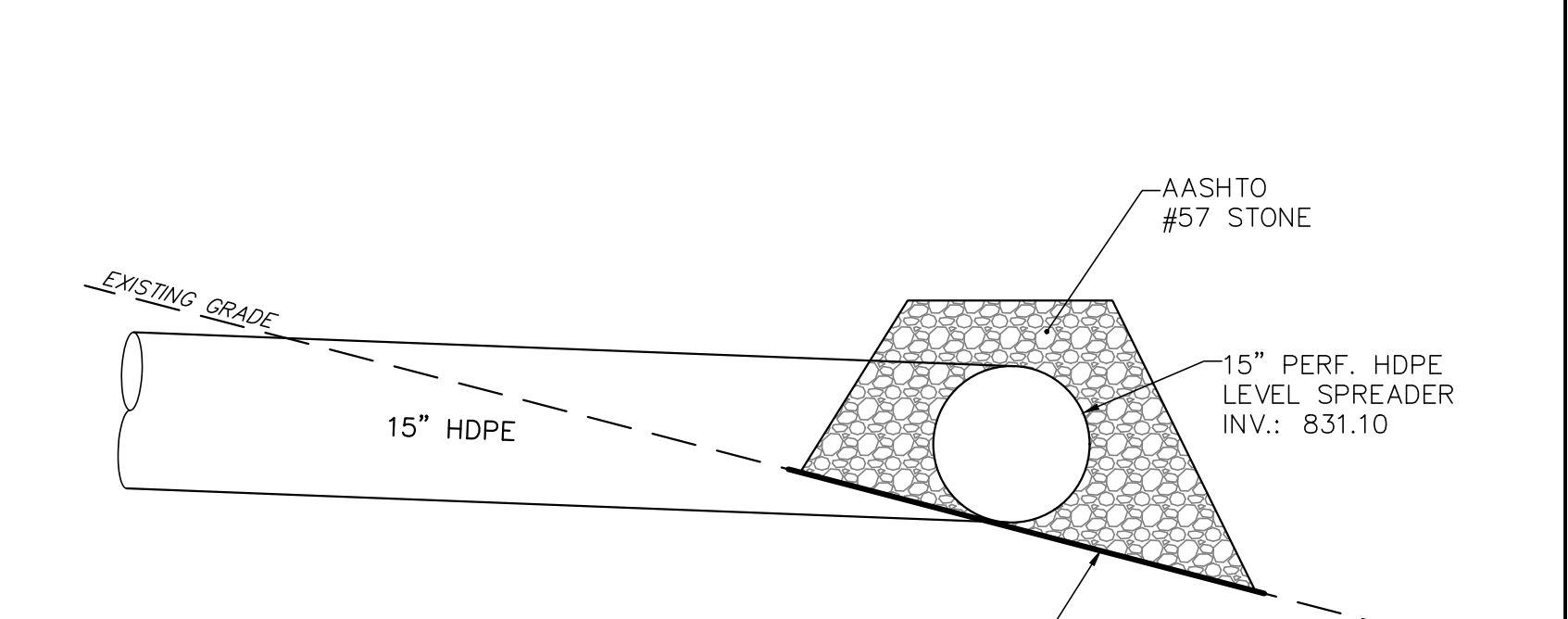
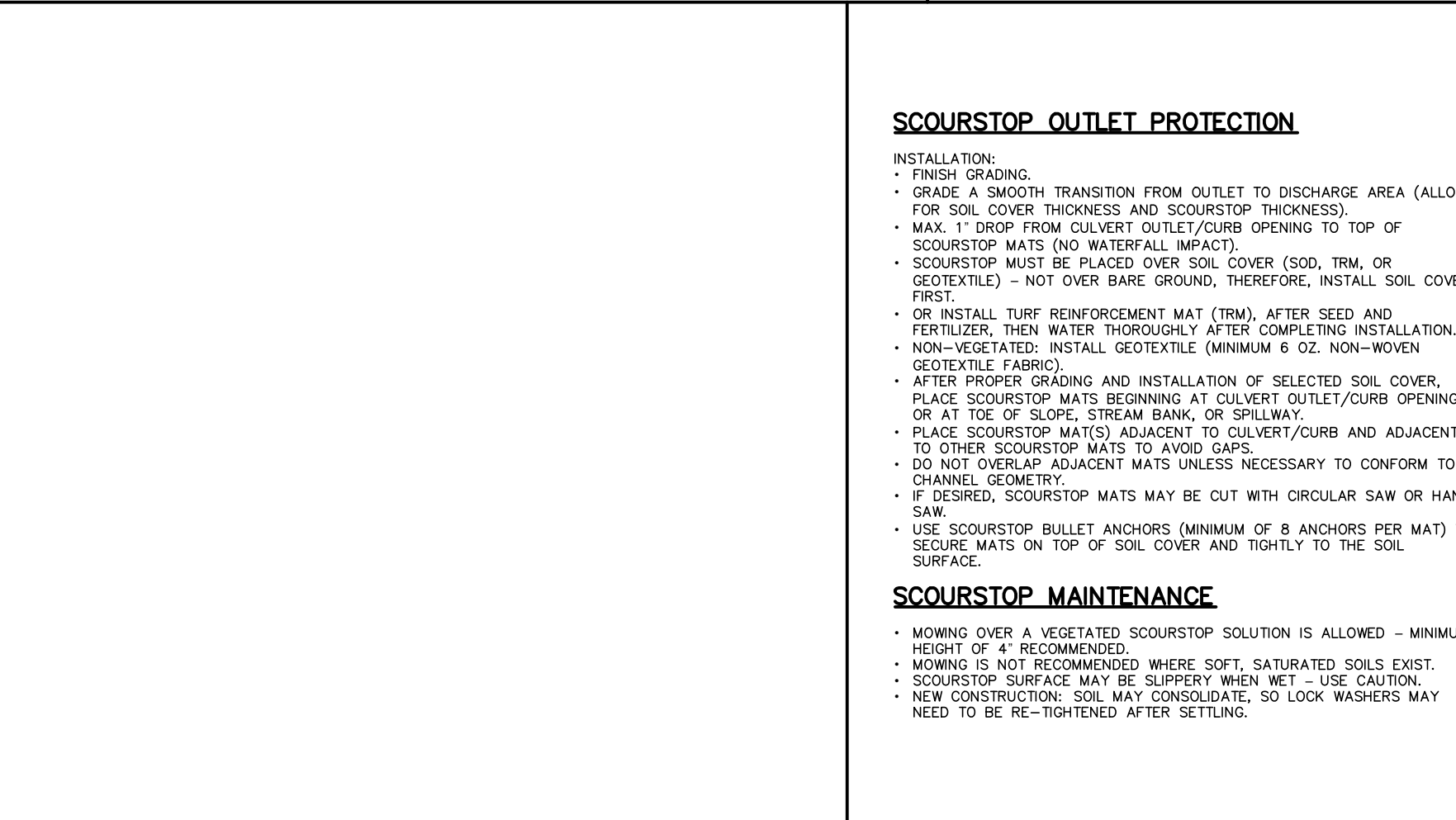
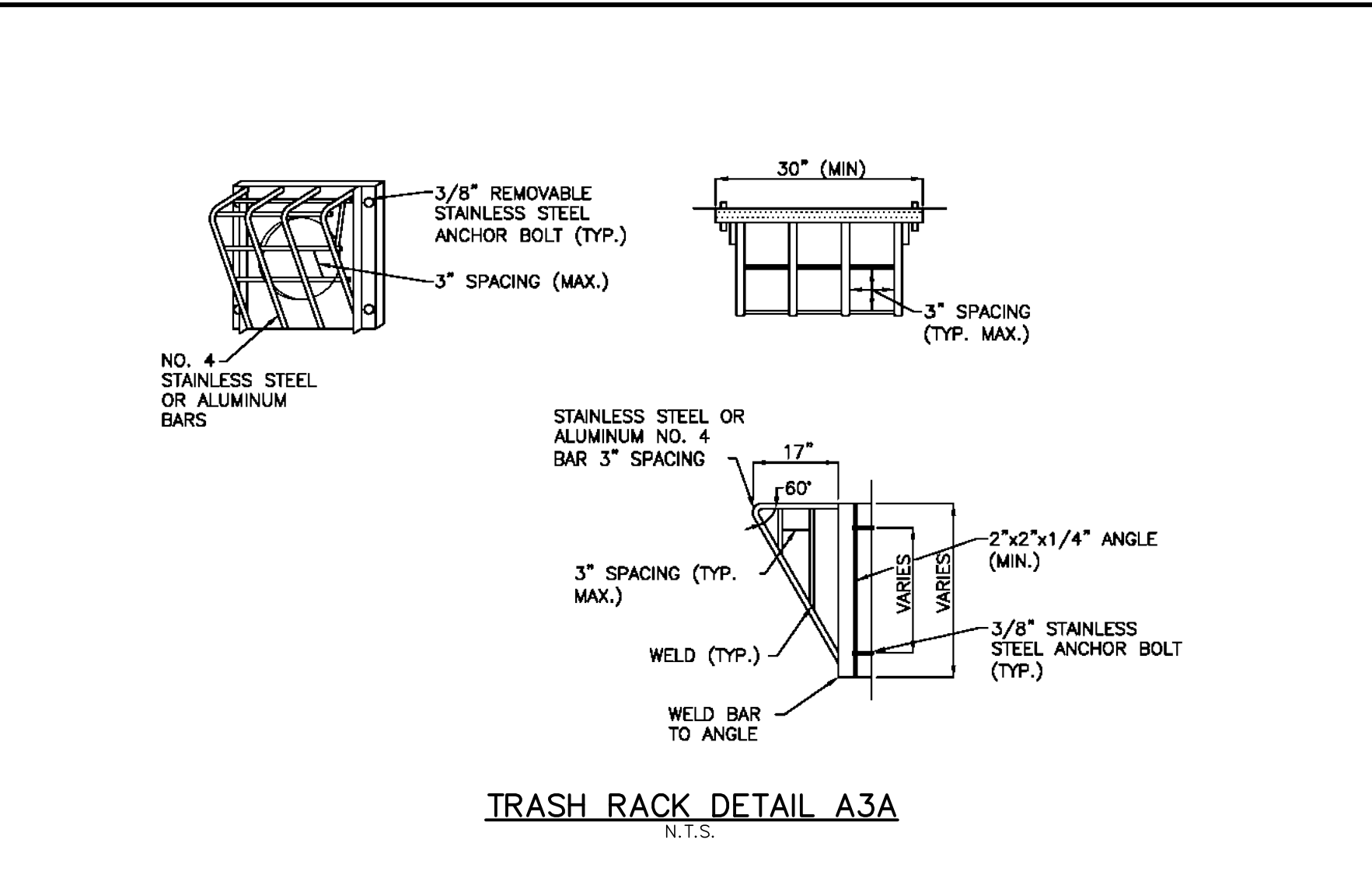
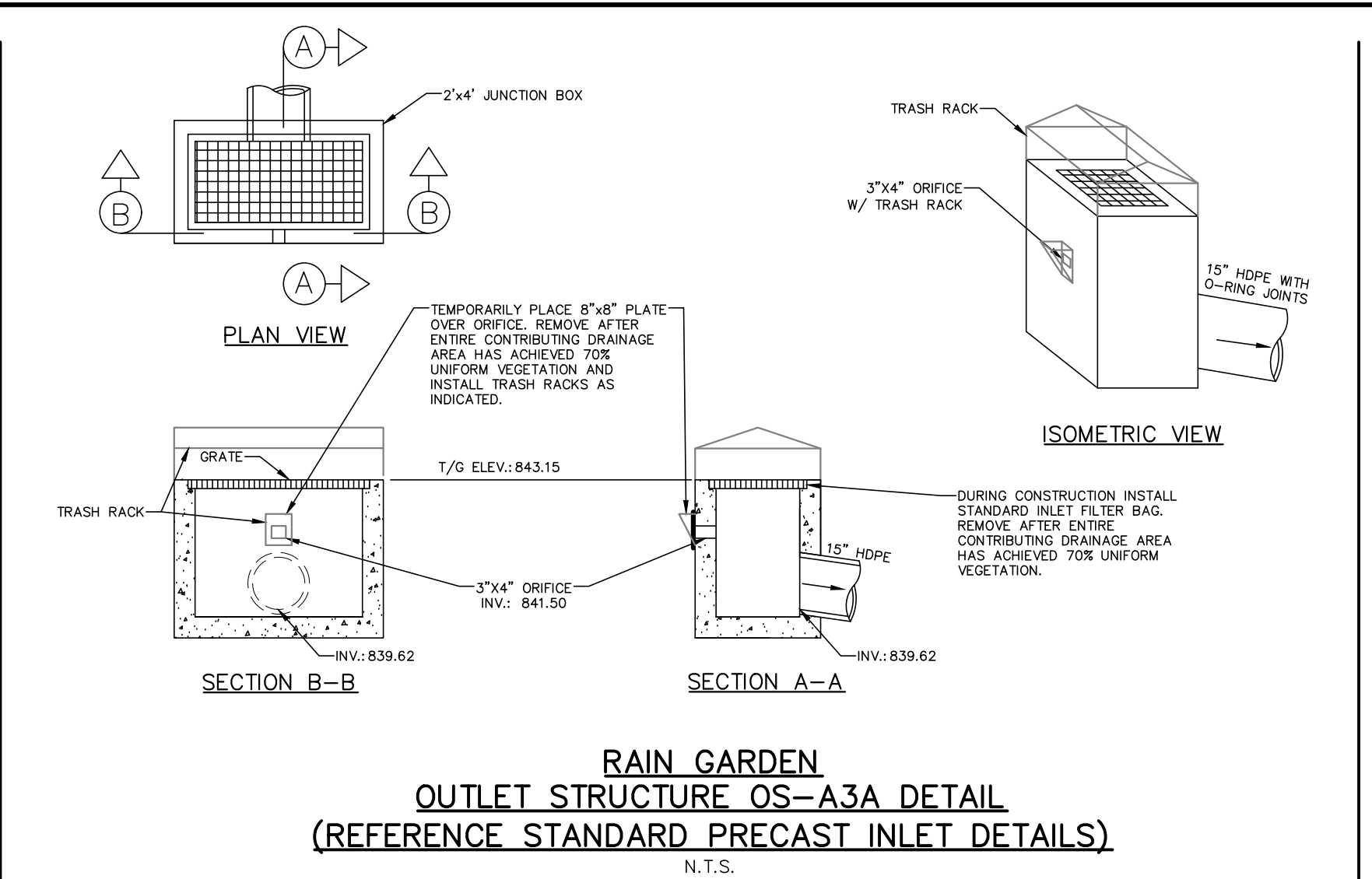
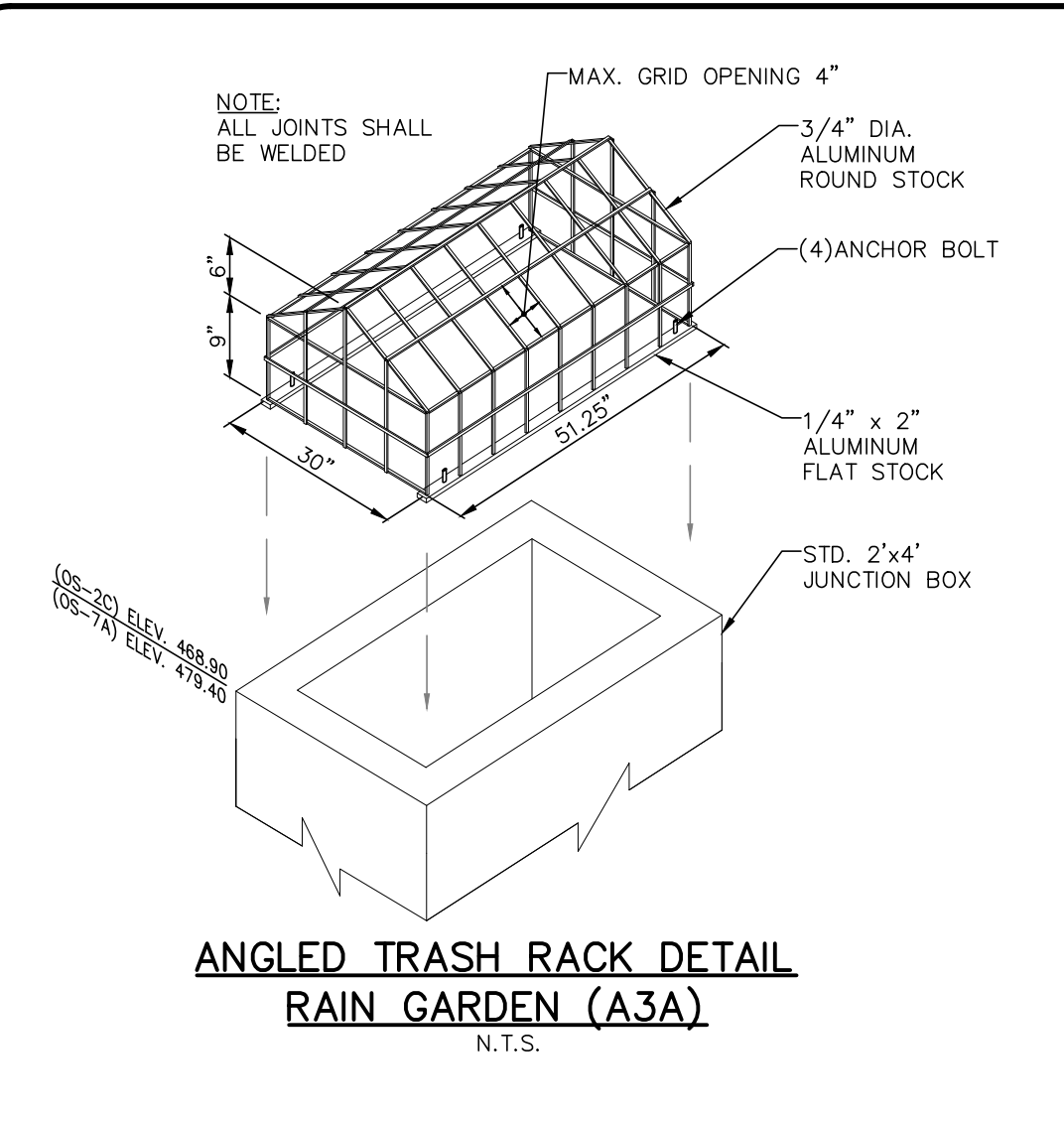
REVISIONS

DATE	BY	REVISIONS
9/18/2020	JAZ	1. TOWNSHIP COMMENTS
10/7/2020	JAZ	2. LCCD COMMENTS
11/13/2020	JAZ	3. TOWNSHIP COMMENTS



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barrisset.com
85 SOUTH ROUTE 100
ALLENTOWN, PA 18106





POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) STANDARD NOTES: PERMIT TERMINATION
 UPON PERMANENT STABILIZATION OF THE EARTH DISTURBANCE ACTIVITY UNDER § 102.22(a)(2) (RELATING TO PERMANENT STABILIZATION), AND INSTALLATION OF BMPs IN ACCORDANCE WITH AN APPROVED PLAN PREPARED AND IMPLEMENTED IN ACCORDANCE WITH §§ 102.4 AND 102.8 (RELATING TO EROSION AND SEDIMENT CONTROL REQUIREMENTS; AND PCSM REQUIREMENTS), THE PERMITTEE OR CO-PERMITTEE SHALL SUBMIT A NOTICE OF TERMINATION TO THE DEPARTMENT OF CONSERVATION DISTRICT.
 THE NOTICE OF TERMINATION MUST INCLUDE:
 (1) THE FACILITY NAME, ADDRESS AND LOCATION.
 (2) THE OPERATOR NAME AND ADDRESS.
 (3) THE PERMIT NUMBER.
 (4) THE REASON FOR PERMIT TERMINATION.
 (5) IDENTIFICATION OF THE PERSONS WHO HAVE AGREED TO AND WILL BE RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMPs IN ACCORDANCE WITH § 102.8(M) AND PROOF OF COMPLIANCE WITH § 102.8(M)(2).

PCSM REQUIREMENTS
 PCSM REPORTING AND RECORDKEEPING. THE PCSM PLAN, INSPECTION REPORTS AND MONITORING RECORDS SHALL BE AVAILABLE FOR REVIEW AND INSPECTION BY THE DEPARTMENT OR THE CONSERVATION DISTRICT.

LICENSED PROFESSIONAL OVERSIGHT OF CRITICAL STAGES.
 A LICENSED PROFESSIONAL OR A DESIGNEE SHALL BE PRESENT ON-SITE AND BE RESPONSIBLE DURING CRITICAL STAGES OF IMPLEMENTATION OF THE APPROVED PCSM PLAN. THE CRITICAL STAGES MAY INCLUDE THE INSTALLATION OF UNDERGROUND TREATMENT OR STORAGE BMPs, STRUCTURALLY ENGINEERED BMPs, OR OTHER BMPs AS DEEMED APPROPRIATE BY THE DEPARTMENT OR THE CONSERVATION DISTRICT.

FINAL CERTIFICATION.
 THE PERMITTEE SHALL INCLUDE WITH THE NOTICE OF TERMINATION "RECORD DRAWINGS" WITH A FINAL CERTIFICATION STATEMENT FROM A LICENSED PROFESSIONAL, WHICH READS AS FOLLOWS:
 "I (NAME) DO HEREBY CERTIFY PURSUANT TO THE PENALTIES OF 18 P.C.S.A. § 4904 TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THE ACCOMPANYING RECORD DRAWINGS ACCURATELY REFLECT THE AS-BUILT CONDITIONS, ARE TRUE AND CORRECT, AND ARE IN CONFORMANCE WITH CHAPTERS 102 OF THE PENNSYLVANIA STATUTES AND REGULATIONS OF ENVIRONMENTAL PROTECTION AND THAT THE PROJECT SITE WAS CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PCSM PLAN, ALL APPROVED PLAN CHANGES AND ACCEPTED CONSTRUCTION PRACTICES."

(1) THE PERMITTEE SHALL RETAIN A COPY OF THE RECORD DRAWINGS AS A PART OF THE APPROVED PCSM PLAN.
 (2) THE PERMITTEE SHALL PROVIDE A COPY OF THE RECORD DRAWINGS AS A PART OF THE APPROVED PCSM PLAN TO THE PERSON IDENTIFIED IN THIS SECTION AS BEING RESPONSIBLE FOR THE LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMPs.

PCSM LONG TERM OPERATIONS AND MAINTENANCE REQUIREMENTS
 UNTIL THE PERMITTEE OR CO-PERMITTEE HAS RECEIVED WRITTEN APPROVAL OF A NOTICE OF TERMINATION, THE PERMITTEE OR CO-PERMITTEE WILL REMAIN RESPONSIBLE FOR COMPLIANCE WITH THE PERMIT TERMS AND CONDITIONS INCLUDING LONG-TERM OPERATION AND MAINTENANCE OF ALL PCSM BMPs ON THE PROJECT SITE AND IS RESPONSIBLE FOR VIOLATIONS OCCURRING ON THE PROJECT SITE. THE DEPARTMENT OF CONSERVATION DISTRICT WILL CONDUCT A FINAL INSPECTION AND APPROVE OR DENY THE NOTICE OF TERMINATION WITHIN 30 DAYS.

THE PERMITTEE OR CO-PERMITTEE SHALL BE RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF PCSM BMPs UNLESS A DIFFERENT PERSON IS IDENTIFIED IN THE NOTICE OF TERMINATION AND HAS AGREED TO LONG-TERM OPERATION AND MAINTENANCE OF PCSM BMPs.

FOR ANY PROPERTY CONTAINING A PCSM BMP, THE PERMITTEE OR CO-PERMITTEE SHALL RECORD AN INSTRUMENT WITH THE RECORDER OF DEEDS WHICH WILL ASSURE DISCLOSURE OF THE PCSM BMP AND THE RELATED OBLIGATIONS IN THE ORDINARY COURSE OF A TITLE SEARCH OF THE SUBJECT PROPERTY. THE RECORDOR SHALL IDENTIFY THE PCSM BMP, PROVIDE FOR NECESSARY ACCESS RELATED TO LONG-TERM OPERATION AND MAINTENANCE FOR PCSM BMPs AND PROVIDE NOTICE THAT THE RESPONSIBILITY FOR LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMP IS A COVENANT THAT RUNS WITH THE LAND THAT IS BINDING UPON AND ENFORCEABLE BY SUCCESSOR GRANTEES, AND PROVIDE PROOF OF FILING WITH THE NOTICE OF TERMINATION UNDER § 102.7(B)(5) (RELATING TO PERMIT TERMINATION).

THE PERSON RESPONSIBLE FOR PERFORMING LONG-TERM OPERATION AND MAINTENANCE MAY ENTER INTO AN AGREEMENT WITH ANOTHER PERSON INCLUDING A CONSERVATION DISTRICT, NONPROFIT ORGANIZATION, MUNICIPALITY, AUTHORITY, PRIVATE CORPORATION OR OTHER PERSON, TO TRANSFER THE RESPONSIBILITY FOR PCSM BMPs OR TO PERFORM LONG-TERM OPERATION AND MAINTENANCE AND PROVIDE NOTICE THEREOF TO THE DEPARTMENT.

A PERMITTEE OR CO-PERMITTEE THAT FAILS TO TRANSFER LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMP OR OTHERWISE FAILS TO COMPLY WITH THIS REQUIREMENT SHALL REMAIN JOINTLY AND SEVERALLY RESPONSIBLE WITH THE LANDOWNER FOR LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMPs LOCATED ON THE PROPERTY.

CLEAN FILL NOTES:

- IF THE SITE WILL NEED TO IMPORT OR EXPORT MATERIAL FROM THE SITE, THE RESPONSIBILITY FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND DETERMINATION OF CLEAN FILL WILL REST WITH (GENERAL CONTRACTOR).
- CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL SUCH AS: STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.
- CLEAN FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE: FILL MATERIALS AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE STILL QUALIFIES AS CLEAN FILL PROVIDED THE TESTING REVEALS THAT THE FILL MATERIAL CONTAINS CONCENTRATIONS OF REGULATED SUBSTANCES THAT ARE BELOW THE RESIDENTIAL LIMITS IN TABLES FP-1A AND FP-1B FOUND IN THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL".
- ANY PERSON PLACING CLEAN FILL THAT HAS BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE MUST USE FORM FP-001 TO CERTIFY THE ORIGIN OF THE FILL MATERIAL AND THE RESULTS OF THE ANALYTICAL TESTING TO QUALIFY THE MATERIAL AS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL. A COPY OF FORM FP-001 CAN BE FOUND AT THE END OF THESE INSTRUCTIONS.
- ENVIRONMENTAL DUE DILIGENCE: THE APPLICANT MUST PERFORM ENVIRONMENTAL DUE DILIGENCE TO DETERMINE IF THE FILL MATERIALS ASSOCIATED WITH THE PROJECT QUALIFY AS CLEAN FILL. ENVIRONMENTAL DUE DILIGENCE IS DEFINED AS: INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANITAIRES, TRANSACTIONS SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECT TO A SPILL OR RELEASE OF REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL".
- FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL. REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH THE DEPARTMENT'S MUNICIPAL OR RESIDUAL WASTE REGULATIONS BASED ON 25 PA. CODE CHAPTERS 287 REGULATED WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE. THESE REGULATIONS ARE AVAILABLE ON-LINE AT WWW.PACODE.COM.

RECYCLING OR DISPOSAL OF MATERIALS:
 CONSTRUCTION WASTES FROM LAND DISTURBANCE AND DEVELOPMENT SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS SUITABLE FOR SUCH WASTES IN ACCORDANCE WITH PA DEP REGULATIONS. EXCESS SOIL/ROCK SHALL BE UTILIZED ON SITE TO IMPROVE FINAL GRADING OF LOW AREA LOTS. THESE WASTES INCLUDE, BUT ARE NOT LIMITED TO, EXCESS SOIL MATERIALS, BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, ETC. THAT COULD ADVERSELY IMPACT WATER QUALITY AND BE IMPLEMENTED FOR HOUSEKEEPING, MATERIALS MANAGEMENT, AND LITTER CONTROL. WHEREVER POSSIBLE, RECYCLING OF EXCESS MATERIALS IS PREFERRED, RATHER THAN DISPOSAL.

THE OPERATOR SHALL ASSURE THAT AN E&S CONTROL PLAN HAS BEEN PREPARED, APPROVED BY THE GOVERNING CONSERVATION DISTRICT, AND IS BEING IMPLEMENTED AND MAINTAINED FOR ALL SOIL/ROCK SPILL AND BORROW AREAS, REGARDLESS OF THEIR LOCATIONS.

RECYCLING OR DISPOSAL OF MATERIALS ASSOCIATED WITH OR FROM THIS PROJECT SITE WILL BE UNDERTAKEN IN ACCORDANCE WITH PA DEP RULES AND REGULATIONS.

SEDIMENT REMOVED FROM ESPCC CONTROLS AND FACILITIES SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED OR PLACED IN TOPSOIL STOCKPILES.

ANTICIPATED CONSTRUCTION WASTES INCLUDE, BUT MAY NOT BE LIMITED TO, THE FOLLOWING:

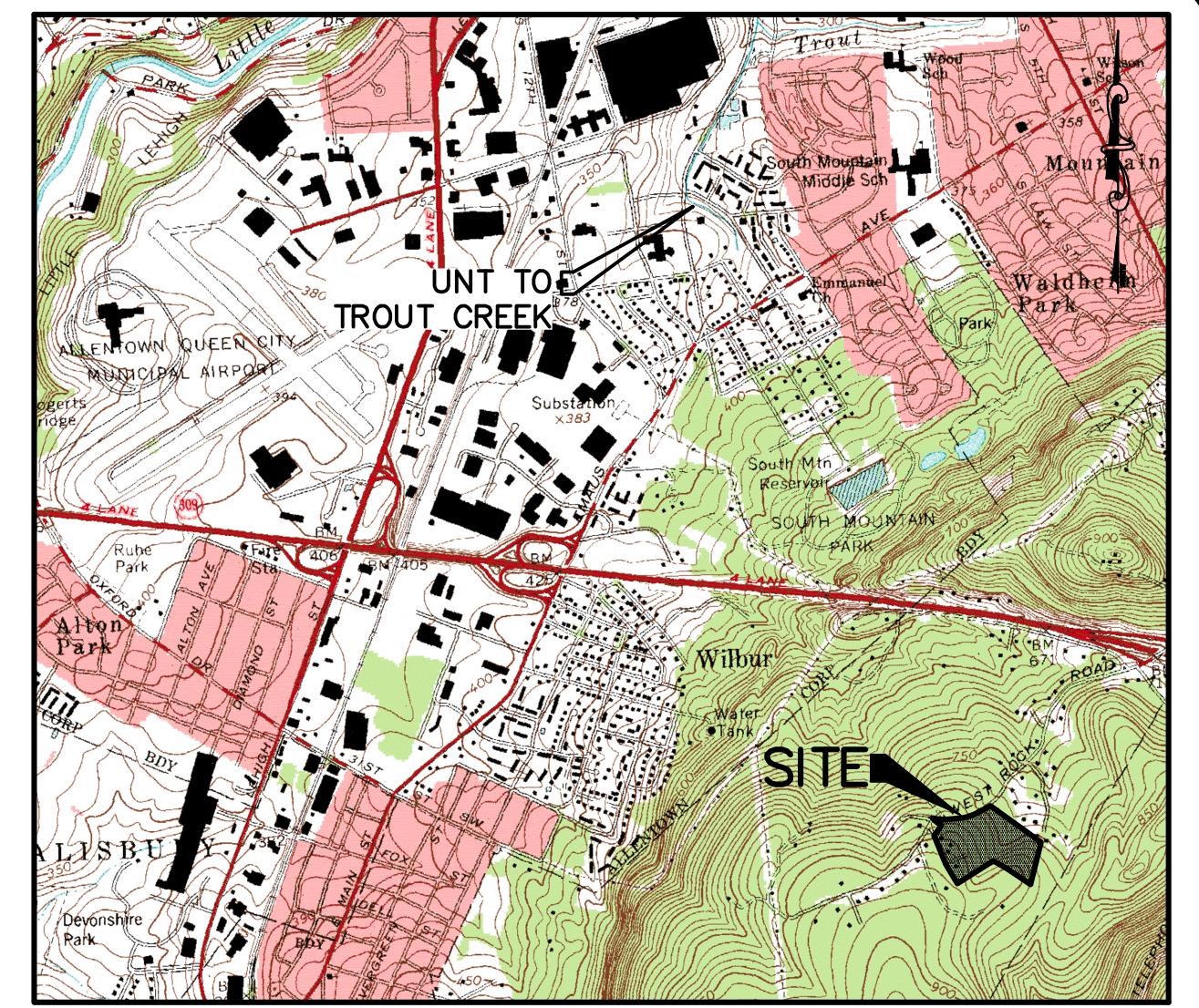
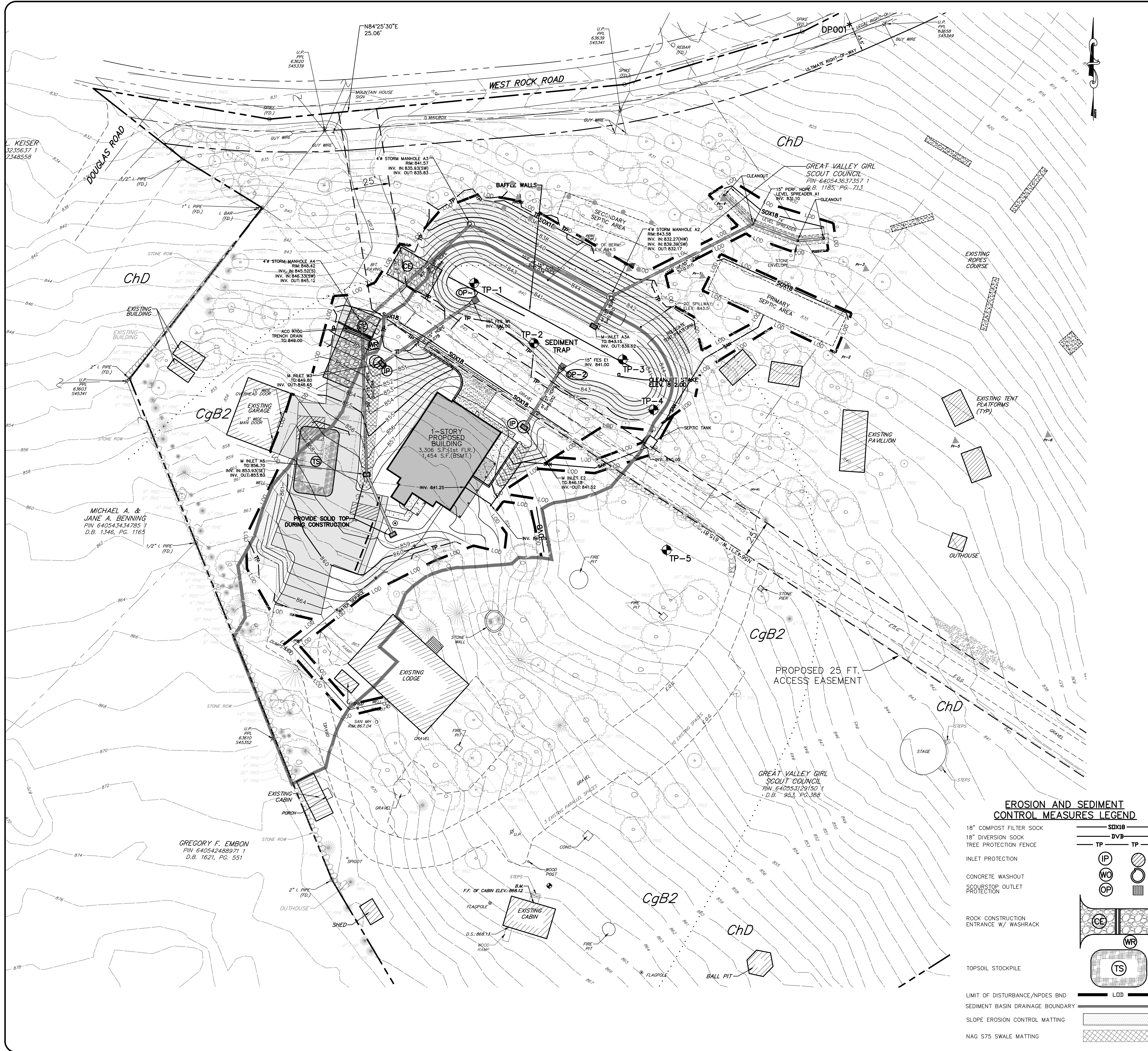
- SEDIMENT
- TRASH/DEBRIS
- VEGETATION CLIPPINGS AS MAY RESULT FROM MAINTENANCE
- PACKAGING MATERIAL
- FORMWORK ASSOCIATED WITH CONCRETE FOUNDATIONS.

PRELIMINARY/FINAL PLANS

POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS
 GIRL SCOUTS OF EASTERN PA.
 2638 W. ROCK ROAD
 SALISBURY TOWNSHIP
 LEHIGH COUNTY, PA

DATE: 8/28/2020 DSGN: CJW
 SCALE: CHK: CJW
 DRAWN: JAZ APPRD: CJW
 JOB: 1064119.000 P MGR: CJW
 SHEET: 12 OF 16

PCD-2



LOCATION MAP
SCALE: 1"=2000'

PLAN PREPARER:
CODY CALLAHAN
CALLAHAN@BARRYSETT.COM
BARRY, ISETT & ASSOCIATES, INC.
85 SOUTH RT. 100
ALLENTOWN, PA 18106
(610)-398-0904

TOPSOIL SHALL BE REPLACED ACROSS LAWN AREAS AT A MINIMUM THICKNESS OF 4"

NPDES BOUNDARY/LIMIT OF DISTURBANCE AREA: 1.26 ACRES

RECEIVING WATERS: UNT TO THE TROUT CREEK HQ-CWF, MF

SLOPES 3:1 AND GREATER SHALL BE STABILIZED WITH NAG S75

SEDIMENT REMOVED FROM BMP SHALL BE DISPOSED OF IN LANDSCAPE AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZE OR PLACED IN TOPSOIL STOCKPILES

REFER TO PLAN SHEETS ESD-1 FOR EROSION & SEDIMENT CONTROL NOTES & DETAILS

PRELIMINARY/FINAL PLANS

EROSION & SEDIMENT CONTROL PLAN

GIRL SCOUTS OF EASTERN PA.

2638 W. ROCK ROAD

SALISBURY TOWNSHIP

LEHIGH COUNTY, PA

DATE: 8/28/2020 DSGN: CJW
SCALE: 1"=30' CHK: CJW
DRAWN: JAZ APPRD: CJW
JOB: 1064119.000 P MGR: CJW
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SHEET: 13 OF 16

ES-1

LEGEND

	EXISTING	PROPOSED
PROPERTY BOUNDARY	---	---
LOT LINE	---	---
LEGAL RIGHT-OF-WAY	---	---
ULTIMATE RIGHT-OF-WAY	---	---
BUILDING SETBACK	---	---
EASEMENT	---	---
CURBING	---	---
BUILDING	---	---
PAVEMENT	---	---
CONCRETE WALKWAY	---	---
SOIL BOUNDARY	---	---
UTILITY POLE	---	---
OVERHEAD WIRES	---	---
WATER MAIN & VALVE	---	---
FIRE HYDRANT	---	---
GAS MAIN & VALVE	---	---
SANITARY LINE, MANHOLE, & CLEANOUT	---	---
STORM LINE, MANHOLE, & INLET	---	---
CHAIN-LINK FENCE	---	---
POST/SPLIT RAIL FENCE	---	---
WOOD FENCE	---	---
SIGN	---	---
DECIDUOUS TREE	---	---
EVERGREEN TREE	---	---
TREE ROW	---	---
CONTOUR	---	---
SPOT ELEVATION	---	---
EDGE OF PAVEMENT	---	---
EDGE OF GRAVEL	---	---
BITUMINOUS	---	---
TYPICAL	---	---
FINISHED FLOOR	---	---
DOOR SILL	---	---
TO BE REMOVED	---	---

EROSION AND SEDIMENT CONTROL MEASURES LEGEND

18" COMPOST FILTER SOCK	---
18" DIVERSION SOCK	---
TREE PROTECTION FENCE	---
INLET PROTECTION	---
CONCRETE WASHOUT	---
SCOURSTOP OUTLET PROTECTION	---
ROCK CONSTRUCTION ENTRANCE W/ WASHRACK	---
TOPSOIL STOCKPILE	---
LIMIT OF DISTURBANCE/NPDES BND	---
SEDIMENT BASIN DRAINAGE BOUNDARY	---
SLOPE EROSION CONTROL MATTING	---
NAG S75 SWALE MATTING	---

NOTE:
VERTICAL TEXT INDICATES PROPOSED FEATURES
SLANTED TEXT INDICATES EXISTING FEATURES

SCALE: 1"=30'

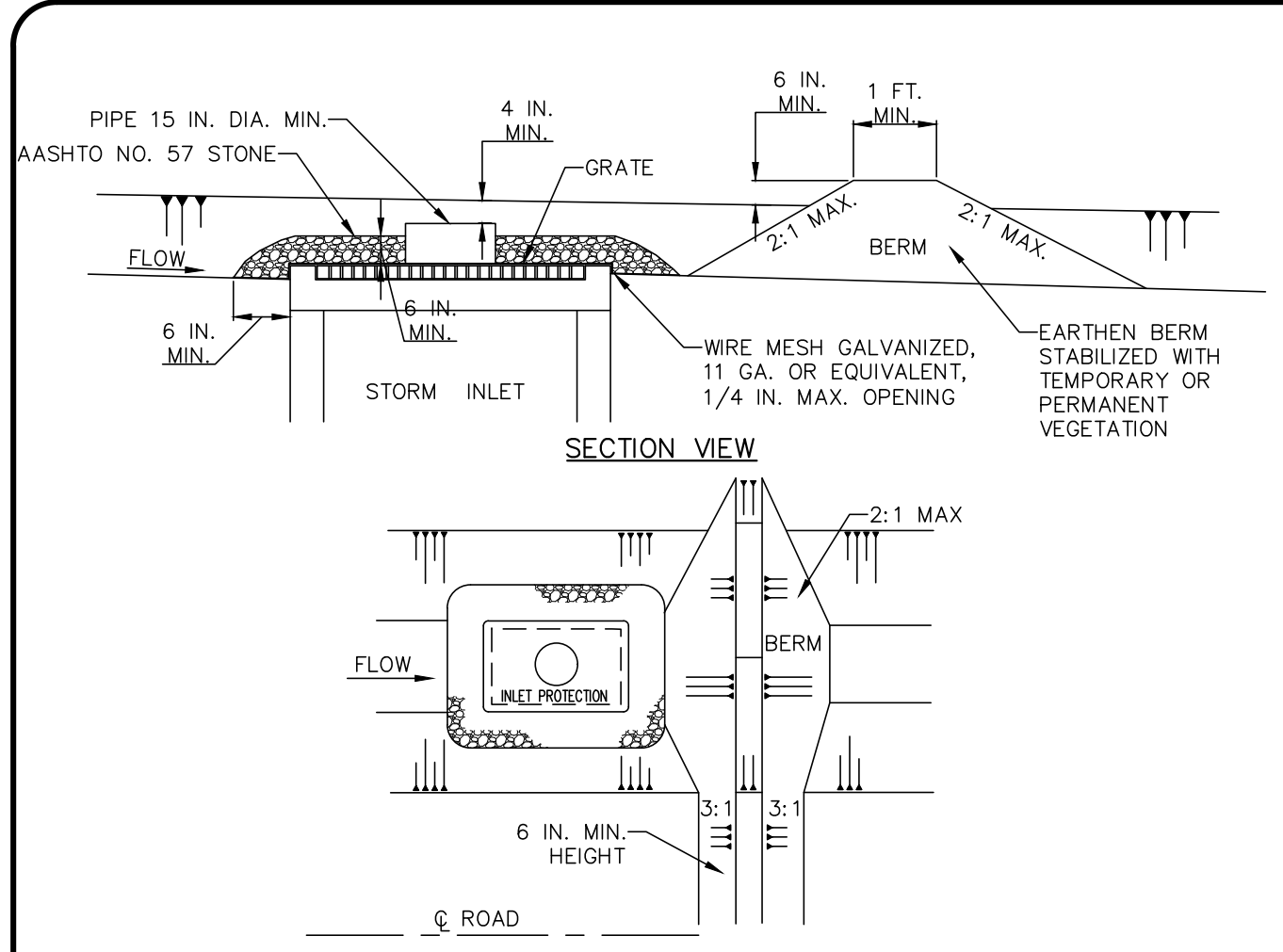
BARRY ISETT & ASSOCIATES
MULTIDISCIPLINARY ENGINEERS AND CONSULTANTS

610.398.0904
barysett.com

85 SOUTH ROUTE 100
ALLENTOWN, PA 18106

BY: JAZ
DATE: 8/18/2020
REVISIONS:
1. TOWNSHIP COMMENTS
2. LDCD COMMENTS
3. TOWNSHIP COMMENTS

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NOTES:

INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS NOT LOCATED AT A LOW POINT.

ROLLED EARTHEN BERM IN ROADWAY SHALL BE PROVIDED AND MAINTAINED IMMEDIATELY DOWN GRADIENT OF THE PROTECTED INLET 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 TO REMAIN PERMANENTLY.

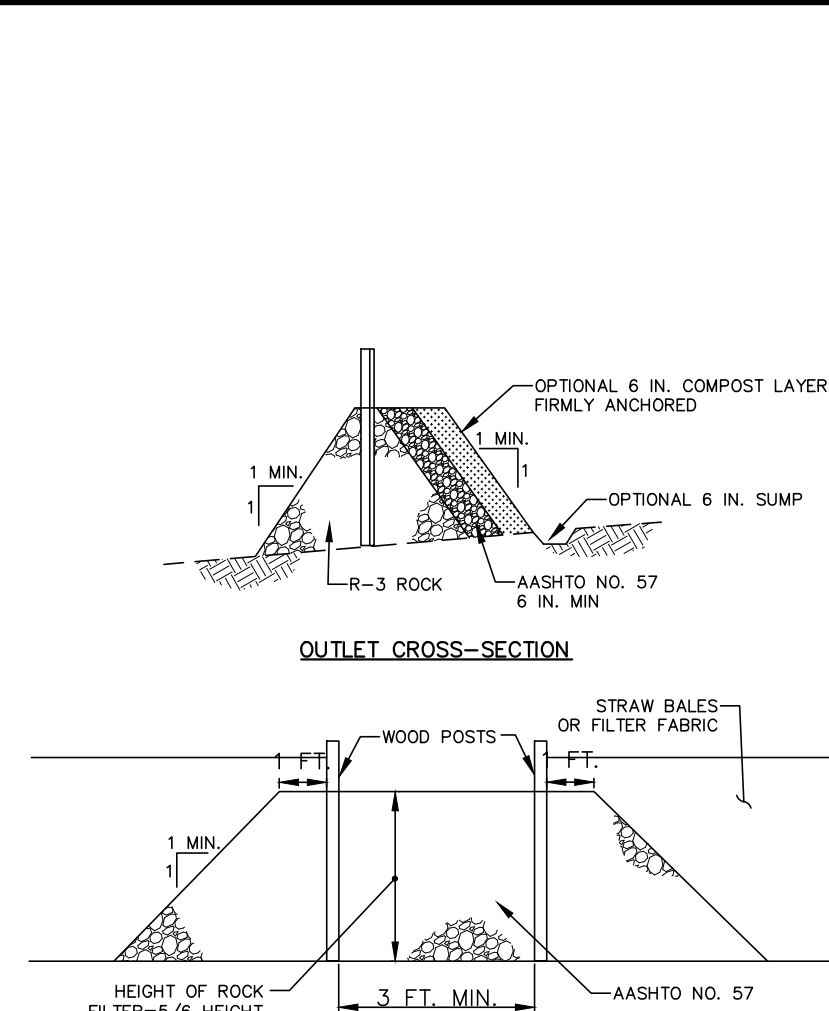
STONE INLET PROTECTION AND BERM FOR A TYPE M INLET CAN BE USED IN ONE ACRE MAXIMUM DRAINAGE AREA WITH 15 IN. OVERFLOW PIPE AND 4 IN. HEAD. A PERFORATED PLATE WELDED TO A METAL RISER MAY NOT BE SUBSTITUTED FOR THE WIRE MESH. A SLOTTED PLATE WELDED TO THE RISER MAY BE USED IN CONJUNCTION WITH THE WIRE MESH IF CALCULATIONS ARE PROVIDED TO SHOW SUFFICIENT CAPACITY OF THE INLET TO ACCEPT THE PEAK RUNOFF FOR A 2-YEAR STORM EVENT FROM THE TRIBUTARY DRAINAGE AREA. TOP OF PIPE SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADWAY IF PONDING WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC. EARTHEN BERM SHALL BE ROLLED.

SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE HEIGHT OF THE POND. DAMAGED OR CLOGGED INSTALLATIONS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

FOR SYSTEMS DISCHARGING TO HO OR EV SURFACE WATER, A 6 IN. THICK COMPOST LAYER SHALL BE SECURELY ANCHORED ON UPSIDE AND OVER TOP OF STONE. COMPOST SHALL MEET THE STANDARDS IN TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

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

STANDARD CONSTRUCTION DETAIL #4-20
STONE INLET PROTECTION AND BERM - TYPE M INLET
NOT TO SCALE

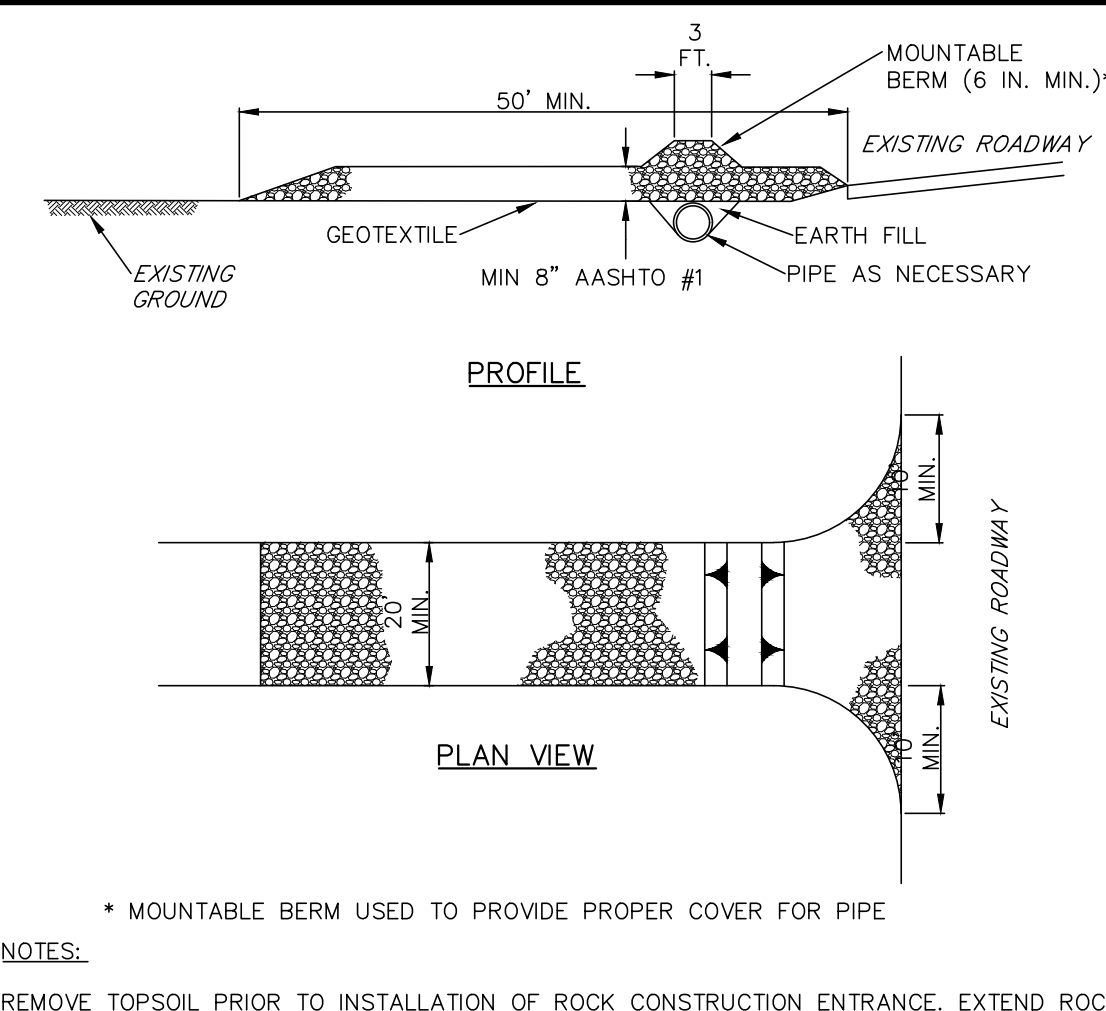


NOTES:

A ROCK FILTER OUTLET SHALL BE INSTALLED WHERE FAILURE OF A SILT FENCE OR STRAW BALE BARRIER HAS OCCURRED DUE TO CONCENTRATED FLOW. ANCHORED COMPOST LAYER SHALL BE USED ON UPSLOPE FACE IN HQ AND EX WATERWAYS.

SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.

STANDARD CONSTRUCTION DETAIL #4-3
ROCK FILTER OUTLET
NOT TO SCALE



NOTES:

WASH RACK SHALL BE 20 FEET (MIN.) WIDE OR TOTAL WIDTH OF ACCESS.

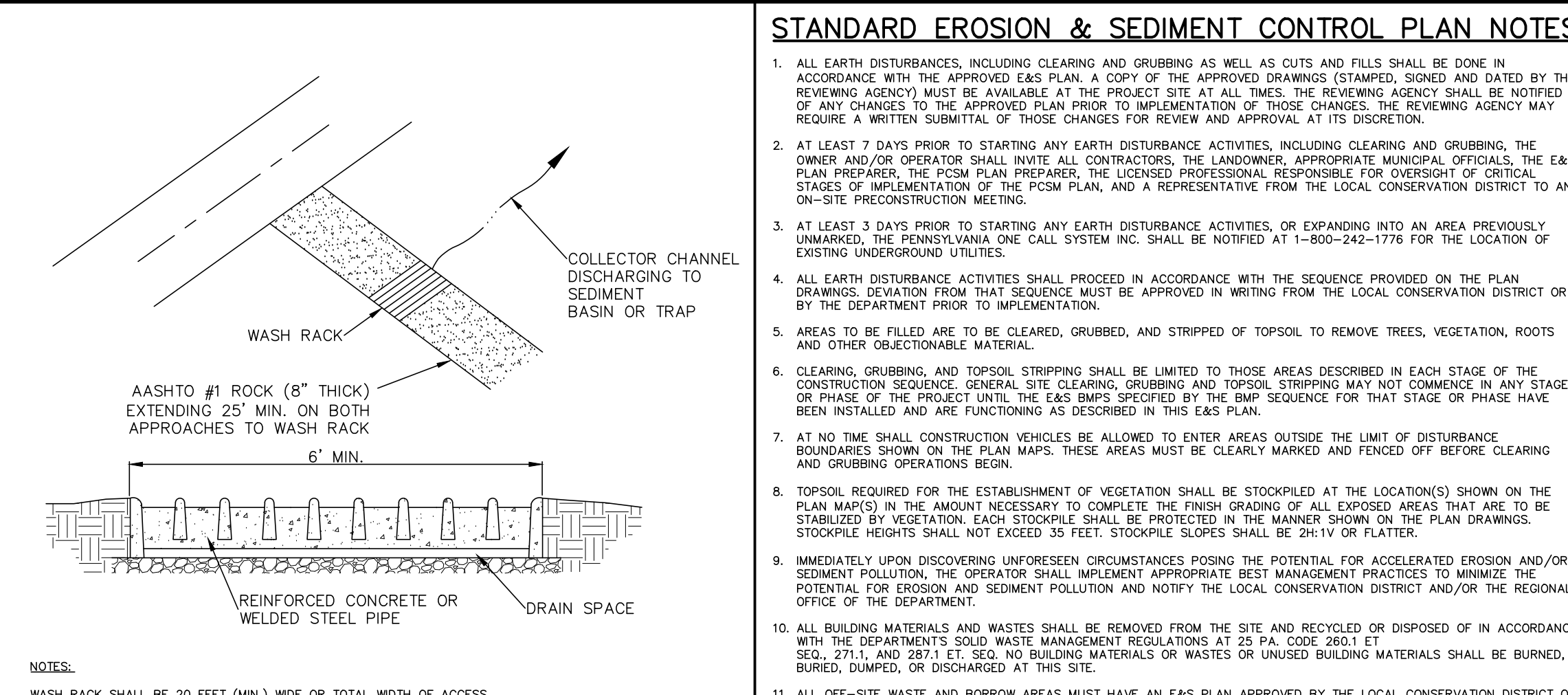
WASH RACK SHALL BE DESIGNED AND CONSTRUCTED TO ACCOMMODATE ANTIPODANT CONSTRUCTION VEHICULAR TRAFFIC.

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

STANDARD CONSTRUCTION DETAIL #3-2
ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE



NOTES:

WASH RACK SHALL BE 20 FEET (MIN.) WIDE OR TOTAL WIDTH OF ACCESS.

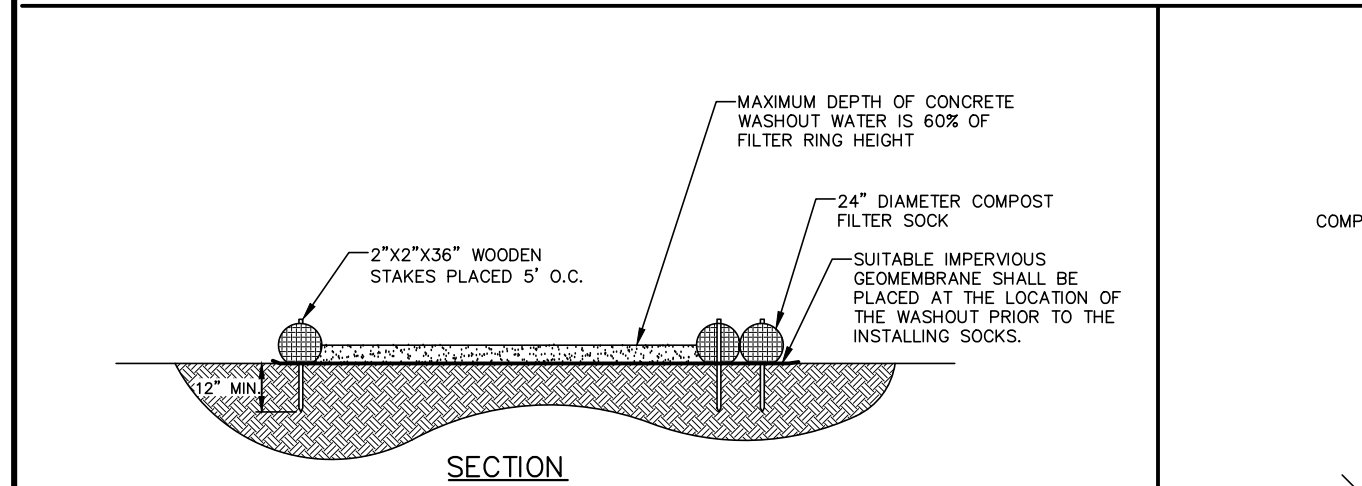
WASH RACK SHALL BE DESIGNED AND CONSTRUCTED TO ACCOMMODATE ANTIPODANT CONSTRUCTION VEHICULAR TRAFFIC.

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STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE

STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE



NOTES:

1. INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE.

2. 24" DIAMETER FILTER SOCKS SHALL BE STACKED ON TOP OF EACH OTHER IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.

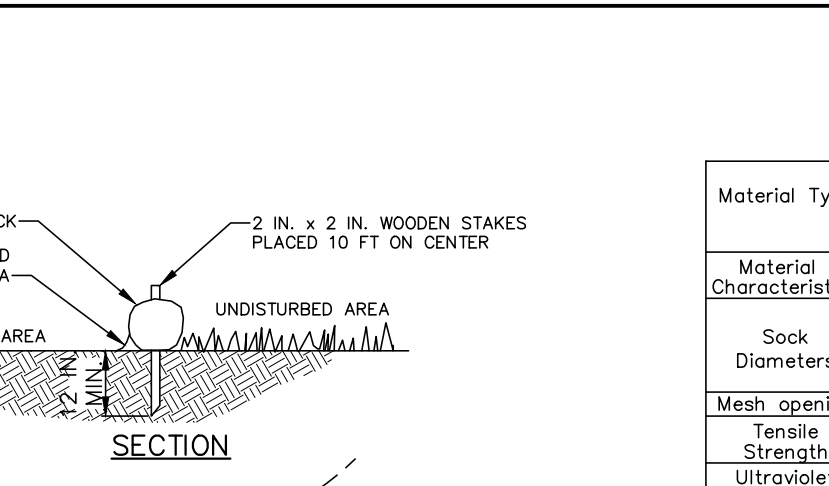
3. 24" DIAMETER COMPOST FILTER SOCKS SHALL BE PLACED AT THE LOCATION OF THE WASHOUT PRIOR TO THE INSTALLING SOCKS.

4. SUITABLE MISCELLANEOUS DEBRIS SHALL BE PLACED AT THE LOCATION OF THE WASHOUT PRIOR TO THE INSTALLING SOCKS.

5. DIRECT CONCRETE WASHOUT WATER INTO FILTER RING.

6. 24" DIAMETER COMPOST FILTER SOCKS, 4 MIN. OVERLAP ON UPSLOPE SIDE OF FILTER RING.

COMPOST SOCK WASHOUT DETAIL #4-1
NOT TO SCALE



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 MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS. PHOTO-DEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S 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.

STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK
NOT TO SCALE

STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE

TABLE 4.1
Compost Sock Fabric Minimum Specifications

Material Type	3 mil HDPE	5 mil HDPE	5 mil HDPE	Multi-Filament Polypropylene (MFPP)	Heavy Duty Multi-Filament Polypropylene (HDMFPP)
Photo-degradable	Photo-degradable	Biodegradable	Photo-degradable	Photo-degradable	Photo-degradable
Material Characteristics	12" x 18"	18" x 24"	24" x 36"	24" x 36"	24" x 36"
Sock Diameter	12"	18"	24"	24"	24"
Mesh opening	3/8"	3/8"	3/8"	3/8"	1/8"
Tensile Strength	26 psi	26 psi	44 psi	202 psi	202 psi
Ultraviolet Stability	23% at 1000 hr.	23% at 1000 hr.	100% at 1000 hr.	100% at 1000 hr.	100% at 1000 hr.
Minimum Functional Life	6 months	9 months	6 months	1 year	2 years

TABLE 4.2
Compost Standards

Organic Matter Content	25%-100% (dry weight basis)
Organic Portion	Fibrous and elongated
pH	5.5-8.5
Moisture Content	30%-60%
Particle Size	30%-50% pass through 3/8" sieve
Soluble Salt Concentration	5.0 mg/L (max) (mmhos/cm) Maximum

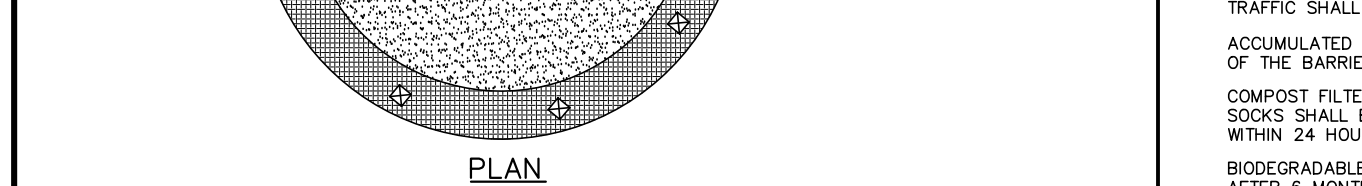
NOTES:

1. 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.

2. COMPOST SHALL BE TESTED AND TEST RESULTS SHALL BE PROVIDED TO THE COUNTY CONSERVATION DISTRICT FOR REVIEW PRIOR TO UTILIZING COMPOST AT THE SITE.

STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE

- CONSTRUCTION SEQUENCE**
- FIELD-MARK LIMITS OF DISTURBANCE. INSTALL 4'-HIGH ORANGE CONSTRUCTION FENCE AROUND THE PROPOSED INFILTRATION BED AREA. INSTALL TREE PROTECTION FENCING AROUND EXISTING TREES INDICATED TO BE PROTECTED.
 - INSTALL BOTH ROCK CONSTRUCTION ENTRANCES AND CONCRETE WASHOUT FACILITY. INSTALL ALL COMPOST FILTER SOCKS AND DIVERSION SOCKS.
 - DEMOLISH AND REMOVE EXISTING FEATURES, TREES, ETC... INDICATED ON THE PLANS.
 - CONSTRUCT THE LEVEL SPREADER AND STORMSEWER SYSTEM FROM STRUCTURES A1 TO A3A. REFER TO THE UTILITY LINE TRENCH EXCAVATION NOTES ON PLAN.
 - BEGIN CONSTRUCTING THE SEDIMENT TRAP. INSTALL STRUCTURES E1 AND W1 AS WELL AS THEIR ASSOCIATED SCOURSTOP OUTLET PROTECTION. NOTE: ENSURE THAT CONSTRUCTION VEHICLES DO NOT TRAVERSE OVER THE BED OF THE SEDIMENT TRAP AT ANY TIME DURING CONSTRUCTION.
 - INSTALL THE REMAINDER OF THE STORMSEWER SYSTEMS AND UTILITIES. INSTALL INLET PROTECTION WHERE INDICATED ON THE PLANS. INSTALL THE STORM SEWER SYSTEM FROM DOWNSTREAM TO UPSTREAM AND REFER TO THE UTILITY LINE TRENCH EXCAVATION NOTES ON PLAN.
 - BEGIN CONSTRUCTION OF THE SEPTIC SYSTEM.
 - ROUGH GRADE THE SITE AND BEGIN CONSTRUCTING THE BUILDING.
 - CONSTRUCT THE PARKING AREAS, DRIVEWAYS, SIDEWALKS, AND PATIO AREAS. INSTALL THE SITE LIGHTING.
 - SPREAD TOPSOIL, FINAL GRADE, SEED, AND STABILIZE LAWN AREAS. INSTALL LANDSCAPE PLANTINGS. PROVIDE MINIMUM 6" TOPSOIL IN ALL LAWN AND LANDSCAPING AREAS. INSTALL EROSION CONTROL MATTING WHERE REQUIRED.
 - INSTALL SIGNAGE, SITE FURNISHINGS, AND PAVEMENT MARKINGS.
 - CRITICAL STATE: ONCE ALL UPSTREAM AREAS ARE STABILIZED CONVERT THE SEDIMENT TRAP TO THE PERMANENT RAIN GARDEN. THIS CONSTRUCTION SHALL ONLY BE STARTED IF THERE IS NO RAIN FORECASTED FOR AT LEAST 72 HOURS. CONVERT THE OUTLET STRUCTURE TO THE PERMANENT CONDITION.
 - AFTER ALL DISTURBED AREAS ACHIEVE FINAL STABILIZATION, REMOVE ALL E&S CONTROLS. REPAIR, SEED, AND STABILIZE ANY AREAS DISTURBED DURING THE REMOVAL OF THE EROSION CONTROLS.
 - AFTER THE PROJECT IS COMPLETED, THE NPDES NOTICE OF TERMINATION PAPERWORK AND AS-BUILT PLANS SHALL BE COMPLETED AND SUBMITTED TO LEHIGH COUNTY CONSERVATION DISTRICT.
- NOTES:**
- AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70 PERCENT PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE RE-DISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.
 - TEMPORARY STABILIZATION SHALL BE IMPLEMENTED IN ANY DISTURBED AREA WHICH WILL BE INACTIVE FOR FOUR OR MORE DAYS.
 - TEMPORARY EROSION CONTROL MEASURES MAY ONLY BE REMOVED AFTER APPROVAL BY THE LEHIGH COUNTY CONSERVATION DISTRICT, AFTER THE CONSTRUCTION AREA AND RETAINED SILT ARE STABILIZED AND AFTER LAWN AREAS ARE ESTABLISHED.



NOTES:

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2. 24" DIAMETER FILTER SOCKS SHALL BE STACKED ON TOP OF EACH OTHER IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.

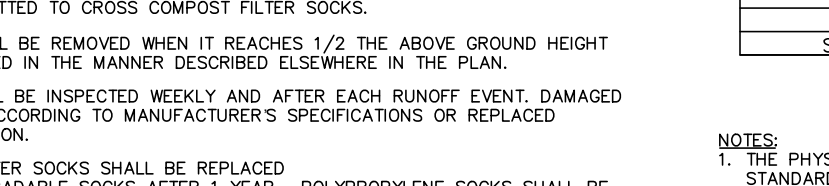
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6. 24" DIAMETER COMPOST FILTER SOCKS, 4 MIN. OVERLAP ON UPSLOPE SIDE OF FILTER RING.

COMPOST SOCK WASHOUT DETAIL #4-1
NOT TO SCALE



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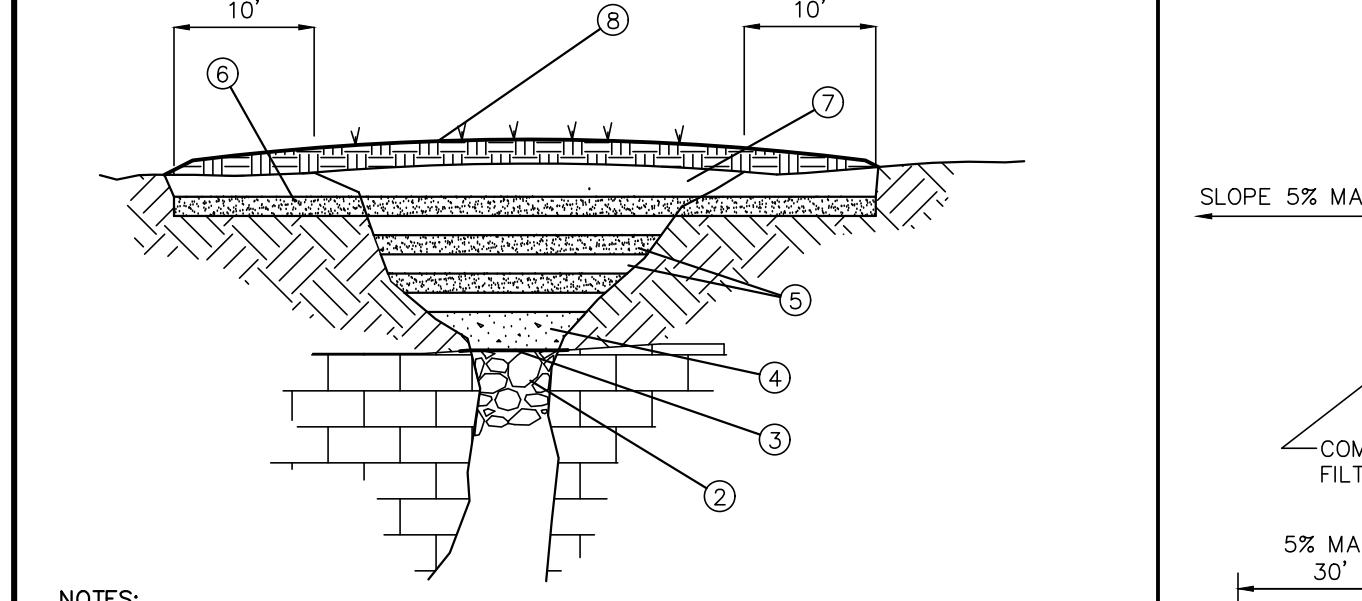
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STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK
NOT TO SCALE

STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE

- CONSTRUCTION SEQUENCE**
- FIELD-MARK LIMITS OF DISTURBANCE. INSTALL 4'-HIGH ORANGE CONSTRUCTION FENCE AROUND THE PROPOSED INFILTRATION BED AREA. INSTALL TREE PROTECTION FENCING AROUND EXISTING TREES INDICATED TO BE PROTECTED.
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 - INSTALL THE REMAINDER OF THE STORMSEWER SYSTEMS AND UTILITIES. INSTALL INLET PROTECTION WHERE INDICATED ON THE PLANS. INSTALL THE STORM SEWER SYSTEM FROM DOWNSTREAM TO UPSTREAM AND REFER TO THE UTILITY LINE TRENCH EXCAVATION NOTES ON PLAN.
 - BEGIN CONSTRUCTION OF THE SEPTIC SYSTEM.
 - ROUGH GRADE THE SITE AND BEGIN CONSTRUCTING THE BUILDING.
 - CONSTRUCT THE PARKING AREAS, DRIVEWAYS, SIDEWALKS, AND PATIO AREAS. INSTALL THE SITE LIGHTING.
 - SPREAD TOPSOIL, FINAL GRADE, SEED, AND STABILIZE LAWN AREAS. INSTALL LANDSCAPE PLANTINGS. PROVIDE MINIMUM 6" TOPSOIL IN ALL LAWN AND LANDSCAPING AREAS. INSTALL EROSION CONTROL MATTING WHERE REQUIRED.
 - INSTALL SIGNAGE, SITE FURNISHINGS, AND PAVEMENT MARKINGS.
 - CRITICAL STATE: ONCE ALL UPSTREAM AREAS ARE STABILIZED CONVERT THE SEDIMENT TRAP TO THE PERMANENT RAIN GARDEN. THIS CONSTRUCTION SHALL ONLY BE STARTED IF THERE IS NO RAIN FORECASTED FOR AT LEAST 72 HOURS. CONVERT THE OUTLET STRUCTURE TO THE PERMANENT CONDITION.
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NOTES:

1. OVER EXCAVATE SINKHOLE THROAT TO REMOVE ALL SOIL AND LOOSE ROCK.

2. PLACE ROCK(S) TO PLUG SINKHOLE THROAT. ROCKS SHALL BE SIZED SO THEY CANNOT GO THROUGH THE THROAT FILL SMALL VOIDS WITH SMALLER ROCKS TO LEVEL THE PLUG.

3. PLACE A THIN LIFT OF BENTONITE CLAY TO LEVEL THE ROCK PLUG. PLACE GEOTEXTILE DRAINAGE FABRIC OVER THE DISTURBED AREA, EMBEDDING 6" ON ALL EDGES. FABRIC TO HAVE TENSILE STRENGTH OF 90 LBS. AND AN EQUIVALENT OPENING SIZE OF 5/16" MINIMUM.

4. LARGER OPENINGS MAY REQUIRE A CONCRETE PLUG. 18"-24" THICK.

5. PLACE BENTONITE CLAY/SOIL (1 TO 2 LBS./S.F., 8" LIFT, 95% MOD. PROCTOR). PLACE COMPLETED FINE-GRAINED NATIVE CLAY FILL (8" LIFTS, 95% MOD. PROCTOR) EVERY OTHER LIFT TO 12" BELOW FINAL GRADE.

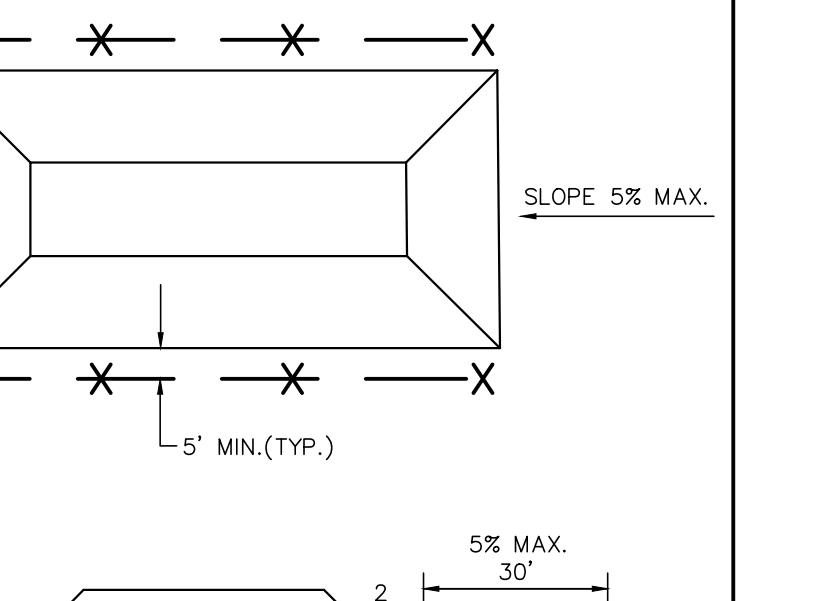
6. INSTALL BENTONITE CLAY/SOIL CAP 10" BEYOND THE EXCAVATION AS SHOWN.

7. GRADE NATIVE CLAY TO DRAIN AWAY FROM THE AREA.

8. PLACE 4" OF TOPSOIL, RESEED OR SOO TO STABILIZE.

9. ALL STABILIZATION WORK SHOULD BE DONE UNDER SUPERVISION OF A GEOLOGIST OR ENGINEER FAMILIAR WITH SITE AND FOUNDATION CONDITIONS.

SINKHOLE MITIGATION DETAIL
N.T.S.



NOTES:

1. PLACE STOCKPILES AT LOCATIONS SHOWN ON PLAN.

2. STOCKPILE TO BE SEDED WITH A TEMPORARY SEED MIXTURE IF PERIOD OF EXPOSURE IS EXPECTED TO EXCEED 20 DAYS.

3. SIDE SLOPES SHALL NOT EXCEED 1" VERTICAL TO 2" HORIZONTAL.

4. MAXIMUM TOPSOIL STOCKPILE HEIGHT NOT TO EXCEED 35'.

TOPSOIL STOCKPILE
N.T.S.

STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE

Job #: 1064119.000 **SOILS LIMITATIONS & RESOLUTIONS SHEET** **Date:** 8/26/2020

Project Name: Filmtech - Mitchell Avenue Site

LOCATION: City of Allentown **COUNTY:** Lehigh

SOIL	CHARACTERISTICS	LIMITATIONS	RESOLUTIONS	COMMENTS
CgB2 ChD	TOPSOIL POOR	VEGETATIVE STABILIZATION EMBANKMENTS HIGH ACIDITY LOW FERTILITY EXCESSIVE DRYNESS EXCESSIVE WETNESS	SOIL TESTS ADJUST SOILS IMPLEMENTS AS NEEDED	SEE SEEDING WORKSHEETS AND DETAIL SHEET NOTES
CgB2 ChD	ERODIBILITY	DIVERSIONS - WATERWAYS TERRACES GRASSES WATERWAYS SLOPES LANDSCAPING	TEMPORARY CHANNEL LINING GRASSES WITH GREATER RETARDANCE PERMANENT LININGS REVISE CHANNEL GEOMETRY (SLOPE, WIDTH) SLOPE PROTECTION LIMIT TIME OF EXPOSURE	SEE CHANNEL WORKSHEET CALCULATIONS SEE DETAIL SHEET SEE DETAIL SHEET SEE CONSTRUCTION SCHEDULE

Job #: 1064119.000 **SOILS INFORMATION FACT SHEET** **Date:** 8/26/2020

SYMBOL NAME	TEXTURE	SLOPE %	HYDRO. SOIL GROUP	HYDRIC (INCLUSIONS)	HYDRIC COMPONENT	ERODIBILITY K	DEPTH OF WATER TABLE (Table 4)	DEPTH TO BEDROCK (FT) (Table 4)	WINTER GRADING YES/NO (Table 5)	FROST HEAVING LOW/HIGH (Table 5)	SOIL CONDITIONS FOR CONSTRUCTION			
											WATERWAYS (Table 5)	BUILDING SITE (Table 5)	ROADFILL (Table 5)	TOPSOIL (Table 5)
CgB2 Chester	Gravelly silt loam moderately eroded	3 - 8%	B				3+	4 - 20	Good	Low			Good	Fair
ChD Chester	Very stony silt loam	8 - 25%	B				3+	4 - 20	Good	Low			Good	Fair

STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE

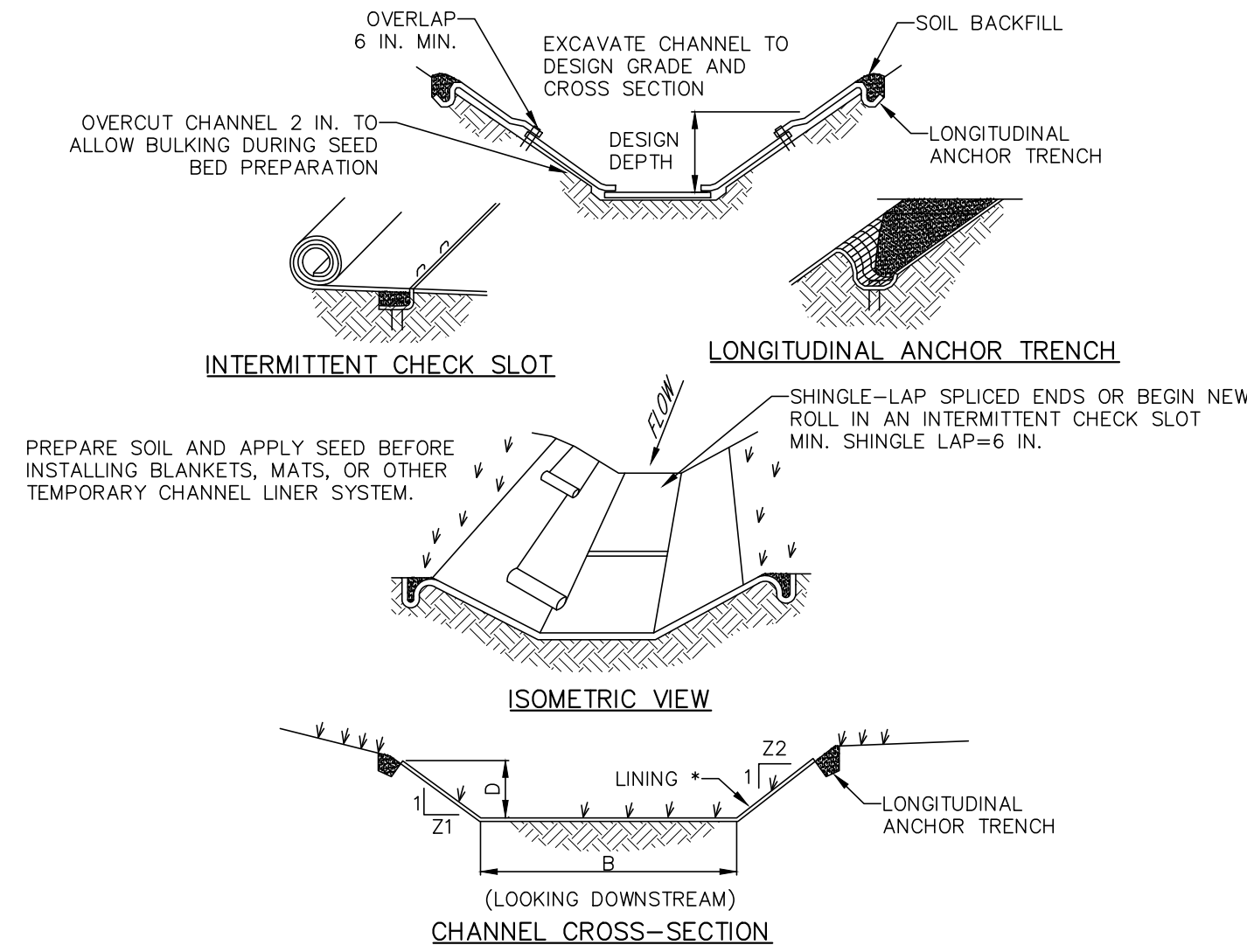
- CONSTRUCTION SEQUENCE**
- FIELD-MARK LIMITS OF DISTURBANCE. INSTALL 4'-HIGH ORANGE CONSTRUCTION FENCE AROUND THE PROPOSED INFILTRATION BED AREA. INSTALL TREE PROTECTION FENCING AROUND EXISTING TREES INDICATED TO BE PROTECTED.
 - INSTALL BOTH ROCK CONSTRUCTION ENTRANCES AND CONCRETE WASHOUT FACILITY. INSTALL ALL COMPOST FILTER SOCKS AND DIVERSION SOCKS.
 - DEMOLISH AND REMOVE EXISTING FEATURES, TREES, ETC... INDICATED ON THE PLANS.
 - CONSTRUCT THE LEVEL SPREADER AND STORMSEWER SYSTEM FROM STRUCTURES A1 TO A3A. REFER TO THE UTILITY LINE TRENCH EXCAVATION NOTES ON PLAN.
 - BEGIN CONSTRUCTING THE SEDIMENT TRAP. INSTALL STRUCTURES E1 AND W1 AS WELL AS THEIR ASSOCIATED SCOURSTOP OUTLET PROTECTION. NOTE: ENSURE THAT CONSTRUCTION VEHICLES DO NOT TRAVERSE OVER THE BED OF THE SEDIMENT TRAP AT ANY TIME DURING CONSTRUCTION.
 - INSTALL THE REMAINDER OF THE STORMSEWER SYSTEMS AND UTILITIES. INSTALL INLET PROTECTION WHERE INDICATED ON THE PLANS. INSTALL THE STORM SEWER SYSTEM FROM DOWNSTREAM TO UPSTREAM AND REFER TO THE UTILITY LINE TRENCH EXCAVATION NOTES ON PLAN.
 - BEGIN CONSTRUCTION OF THE SEPTIC SYSTEM.
 - ROUGH GRADE THE SITE AND BEGIN CONSTRUCTING THE BUILDING.
 - CONSTRUCT THE PARKING AREAS, DRIVEWAYS, SIDEWALKS, AND PATIO AREAS. INSTALL THE SITE LIGHTING.
 - SPREAD TOPSOIL, FINAL GRADE, SEED, AND STABILIZE LAWN AREAS. INSTALL LANDSCAPE PLANTINGS. PROVIDE MINIMUM 6" TOPSOIL IN ALL LAWN AND LANDSCAPING AREAS. INSTALL EROSION CONTROL MATTING WHERE REQUIRED.
 - INSTALL SIGNAGE, SITE FURNISHINGS, AND PAVEMENT MARKINGS.
 - CRITICAL STATE: ONCE ALL UPSTREAM AREAS ARE STABILIZED CONVERT THE SEDIMENT TRAP TO THE PERMANENT RAIN GARDEN. THIS CONSTRUCTION SHALL ONLY BE STARTED IF THERE IS NO RAIN FORECASTED FOR AT LEAST 72 HOURS. CONVERT THE OUTLET STRUCTURE TO THE PERMANENT CONDITION.
 - AFTER ALL DISTURBED AREAS ACHIEVE FINAL STABILIZATION, REMOVE ALL E&S CONTROLS. REPAIR, SEED, AND STABILIZE ANY AREAS DISTURBED DURING THE REMOVAL OF THE EROSION CONTROLS.
 - AFTER THE PROJECT IS COMPLETED, THE NPDES NOTICE OF TERMINATION PAPERWORK AND AS-BUILT PLANS SHALL BE COMPLETED AND SUBMITTED TO LEHIGH COUNTY CONSERVATION DISTRICT.
- NOTES:**
- AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70 PERCENT PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE RE-DISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.
 - TEMPORARY STABILIZATION SHALL BE IMPLEMENTED IN ANY DISTURBED AREA WHICH WILL BE INACTIVE FOR FOUR OR MORE DAYS.
 - TEMPORARY EROSION CONTROL MEASURES MAY ONLY BE REMOVED AFTER APPROVAL BY THE LEHIGH COUNTY CONSERVATION DISTRICT, AFTER THE CONSTRUCTION AREA AND RETAINED SILT ARE STABILIZED AND AFTER LAWN AREAS ARE ESTABLISHED.

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STANDARD EROSION & SEDIMENT CONTROL PLAN NOTES

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL WRITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNRECORDED UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING, AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPs SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE STOCKPILE BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWING. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLL



* SEE MANUFACTURER'S LINING INSTALLATION DETAIL FOR STAPLE PATTERNS, VEGETATIVE STABILIZATION FOR SOIL AMENDMENTS, SEED MIXTURES AND MULCHING INFORMATION

CHANNEL NO.	STATIONS	BOTTOM WIDTH B (FT)	DEPTH D (FT)	TOP WIDTH W (FT)	Z1 (FT)	Z2 (FT)	LINING *
1	ALL	0.5	1	6	3	3	NAG S75
2	ALL	5.0	1	19	11	3	NAG S75

NOTES:
ANCHOR TRENCHES SHALL BE INSTALLED AT BEGINNING AND END OF CHANNEL IN THE SAME MANNER AS LONGITUDINAL ANCHOR TRENCHES.

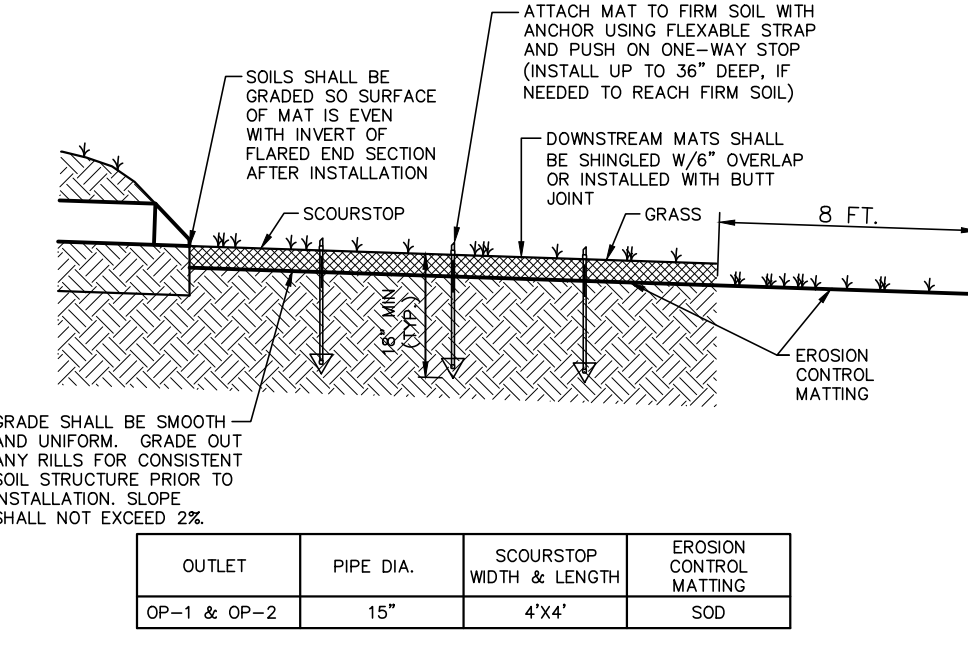
CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEANED WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION. SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS PERMIT ACCESS TO CHANNEL WITHOUT FURTHER DAMAGE. DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.

NO MORE THAN ONE THIRD OF THE SHOOT (GRASS LEAF) SHALL BE REMOVED IN ANY MOWING. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 2 AND 3 INCHES UNLESS OTHERWISE SPECIFIED. EXCESS VEGETATION SHALL BE REMOVED FROM PERMANENT CHANNELS TO ENSURE SUFFICIENT CHANNEL CAPACITY.

STANDARD CONSTRUCTION DETAIL #6-1 VEGETATED CHANNEL
NOT TO SCALE

SCOURSTOP OUTLET PROTECTION

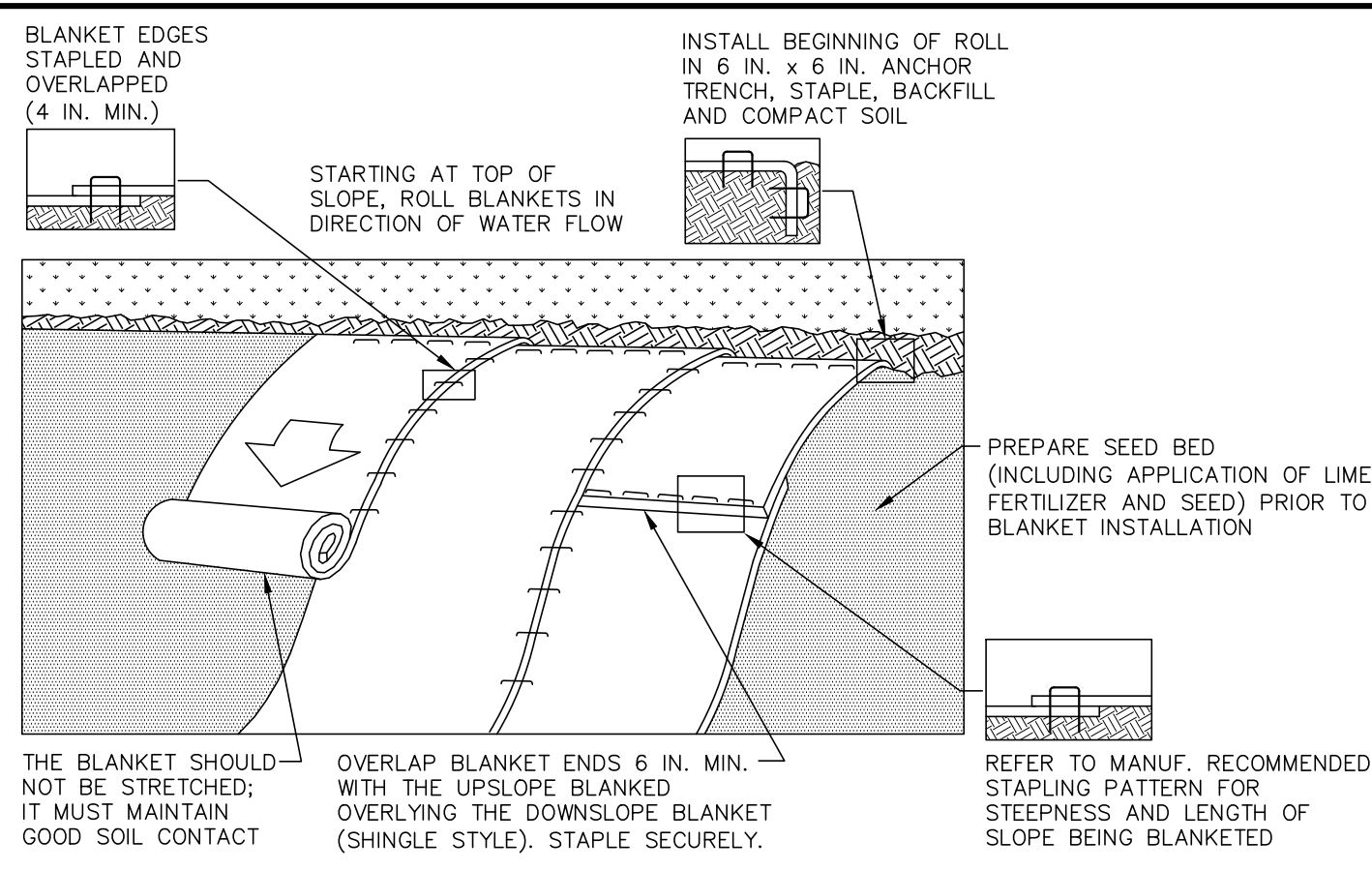
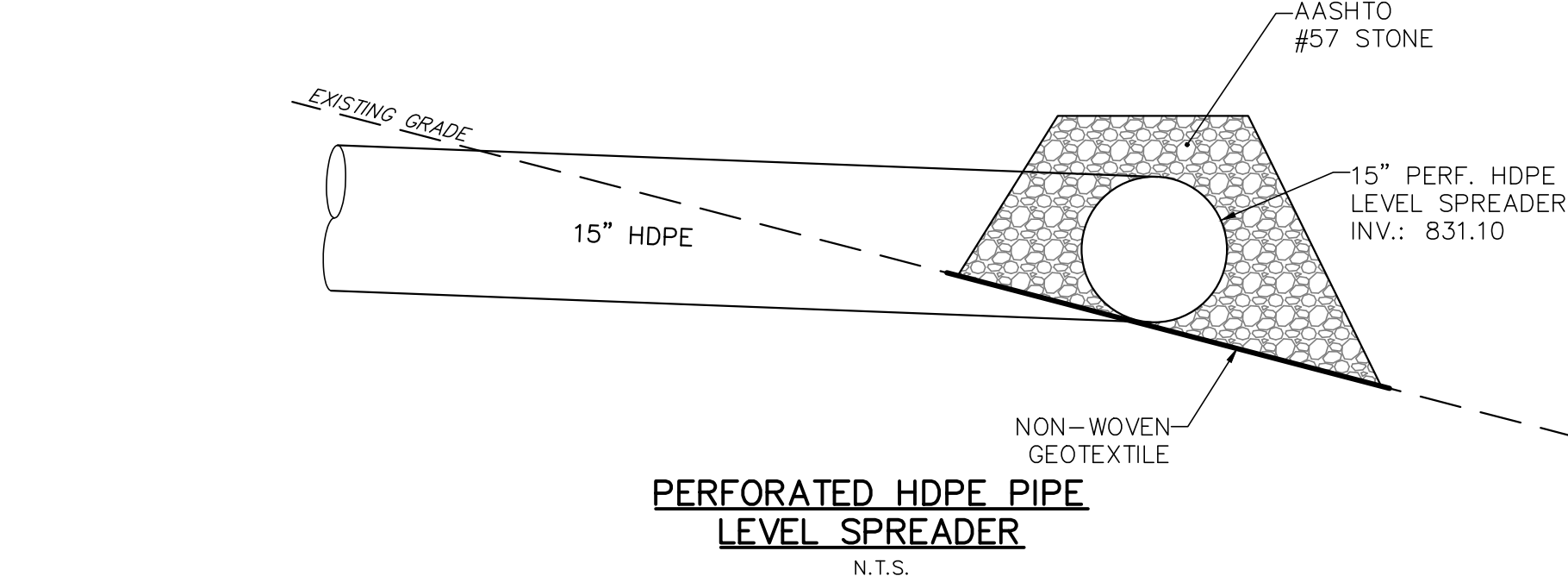
INSTALLATION:
• FINISH GRADING.
• GRADE A SMOOTH TRANSITION FROM OUTLET TO DISCHARGE AREA (ALLOW FOR SOIL COVER THICKNESS AND SCOURSTOP THICKNESS).
• MAX. 1" DROP FROM CULVERT OUTLET/CURB OPENING TO TOP OF SCOURSTOP MATS (NO WATERFALL IMPACT).
• SCOURSTOP MATS MUST BE PLACED OVER SOIL COVER (SOD, TRM, OR GEOTEXTILE) - NOT OVER BARE GROUND, THEREFORE, INSTALL SOIL COVER FIRST.
• OR INSTALL TURF REINFORCEMENT MAT (TRM) AFTER SEED AND FERTILIZER, THEN WATER THOROUGHLY AFTER COMPLETING INSTALLATION.
• NON-VEGETATED: INSTALL GEOTEXTILE (MINIMUM 6 OZ. NON-WOVEN GEOTEXTILE FABRIC).
• AFTER PROPER GRADING AND INSTALLATION OF SELECTED SOIL COVER, PLACE SCOURSTOP MATS BEGINNING AT CULVERT OUTLET/CURB OPENING, OR AT TOE OF SLOPE, STREAM BANK, OR SPILLWAY.
• PLACE SCOURSTOP MAT(S) ADJACENT TO CULVERT/CURB AND ADJACENT TO OTHER SCOURSTOP MATS TO AVOID GAPS.
• DO NOT OVERLAP ADJACENT MATS UNLESS NECESSARY TO CONFORM TO CHANNEL GEOMETRY.
• IF DESIRED, SCOURSTOP MATS MAY BE CUT WITH CIRCULAR SAW OR HAND SAW.
• USE SCOURSTOP BULLET ANCHORS (MINIMUM OF 8 ANCHORS PER MAT) TO SECURE MATS ON TOP OF SOIL COVER AND TIGHTLY TO THE SOIL SURFACE.



OUTLET	PIPE DIA.	SCOURSTOP WIDTH & LENGTH	EROSION CONTROL MATTING
OP-1 & OP-2	15"	4'x4'	SOD

SCOURSTOP MAINTENANCE
MOWING OVER A VEGETATED SCOURSTOP SOLUTION IS ALLOWED - MINIMUM HEIGHT OF 4" RECOMMENDED.
MOWING IS NOT RECOMMENDED WHERE SOFT, SATURATED SOILS EXIST.
SCOURSTOP SURFACE MAY BE SLIPPERY WHEN WET - USE CAUTION.
NEW CONSTRUCTION: SOIL MAY CONSOLIDATE, SO LOCK WASHERS MAY NEED TO BE RE-TIGHTENED AFTER SETTLING.

SCOURSTOP OUTLET PROTECTION
N.T.S.



NOTES:
SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.

PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.

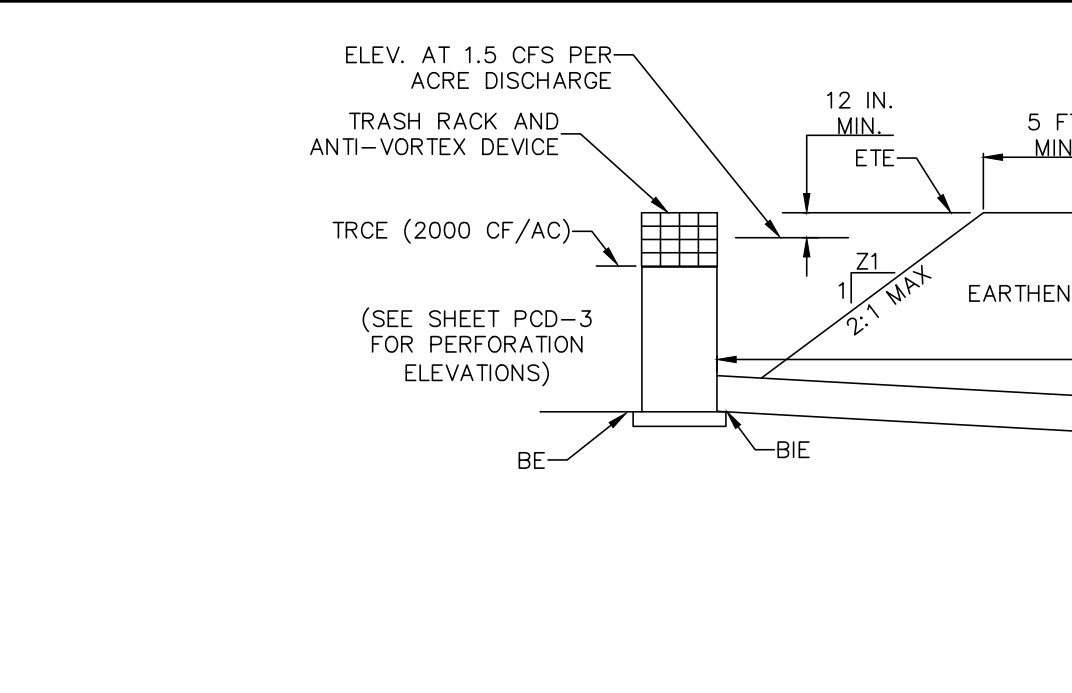
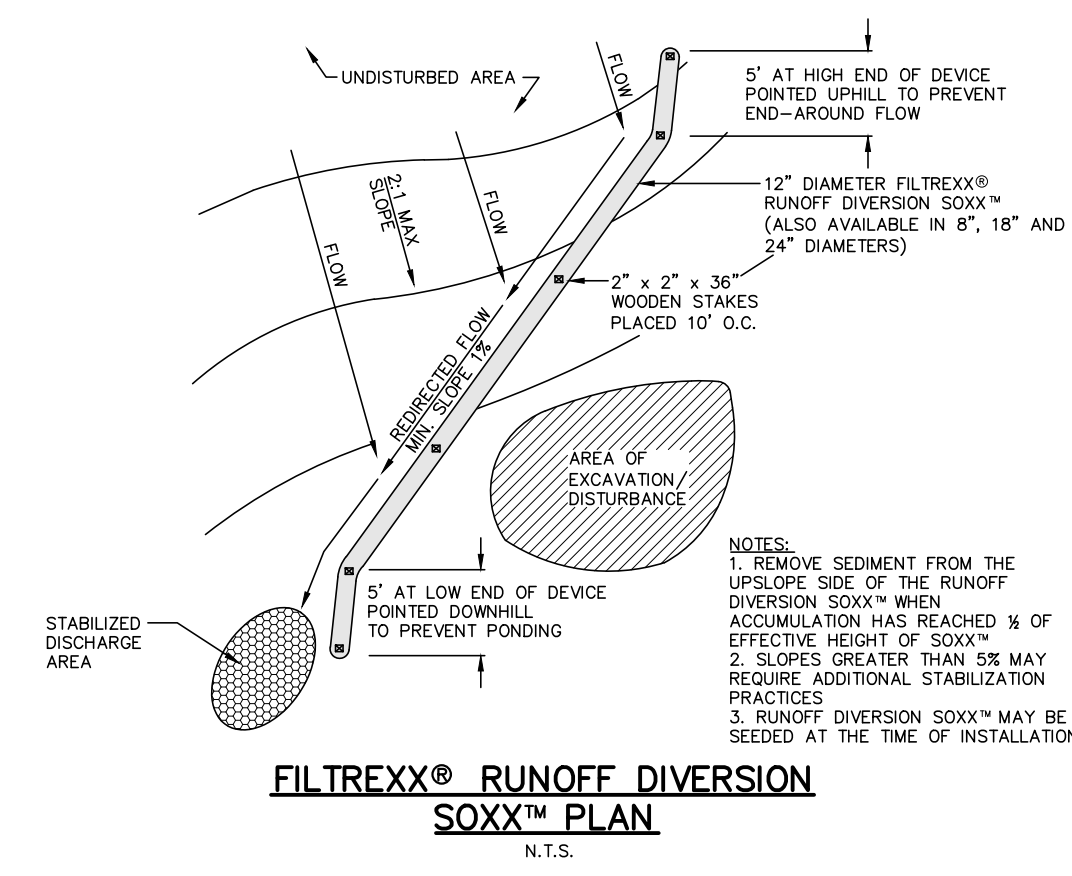
SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.

BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.

THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

STANDARD CONSTRUCTION DETAIL #11-1 EROSION CONTROL BLANKET INSTALLATION
NOT TO SCALE



TRAP NO.	RISER		BARREL					
	Z1 (FT)	Z2 (FT)	BOT PERIF. ELEV. (FT)	MATL.	DIA (IN)	LENGTH (FT)	OUTLET ELEV. BOE (FT)	
1	3	3	842.00	HDPE	15	839.62	127	831.10

TRAP NO.	EMBANKMENT		CLEAN OUT		OUTLET BASIN			*RISER		
	TOP ELEV. (FT)	TOP WIDTH Etw (FT)	OUT ELEV. COE (FT)	BE (FT)	RIPRAP SIZE (IN)	ROCK THICK RT (IN)	DEPTH D (IN)			
1	844.50	8	842.00	841.00	3	9	15	26	8	843.15

FILL MATERIAL FOR THE EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIALS. THE EMBANKMENT SHALL BE COMPACTED IN LAYERED LIFTS OF NOT MORE THAN 6 TO 9 IN. THE MAXIMUM ROCK SIZE SHALL BE NO GREATER THAN 2/3 THE LIFT THICKNESS.

UPON COMPLETION, THE EMBANKMENT SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED ACCORDING TO THE SPECIFICATIONS OF THE E&S PLAN DRAWINGS.

ALL SEDIMENT TRAPS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT.

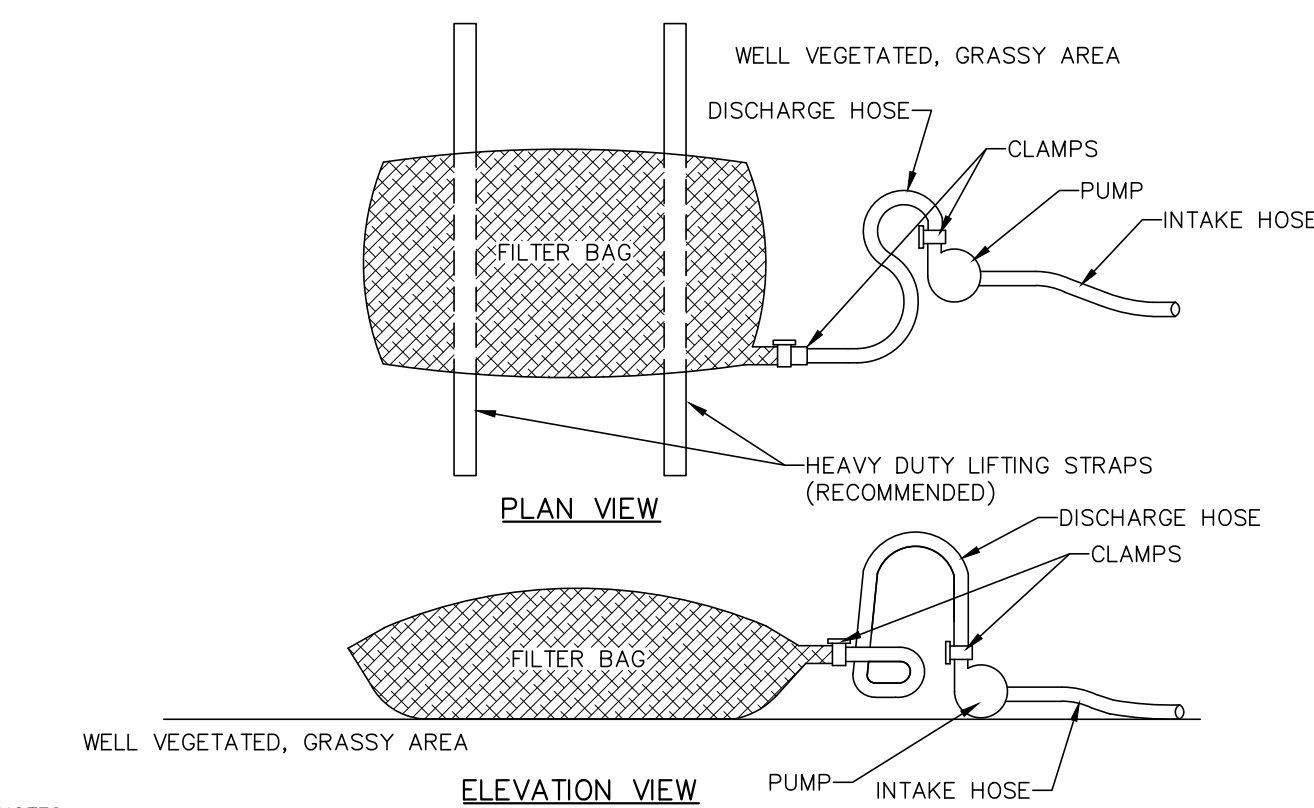
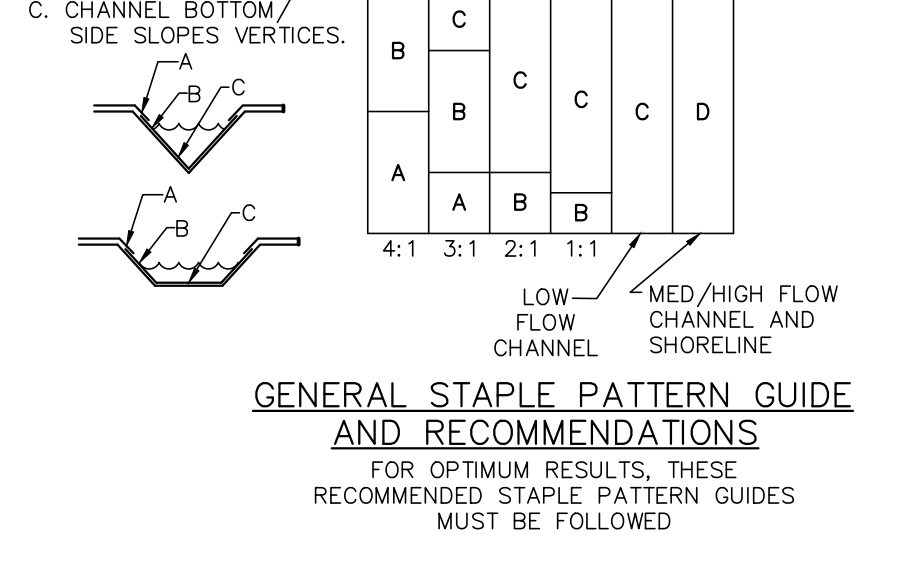
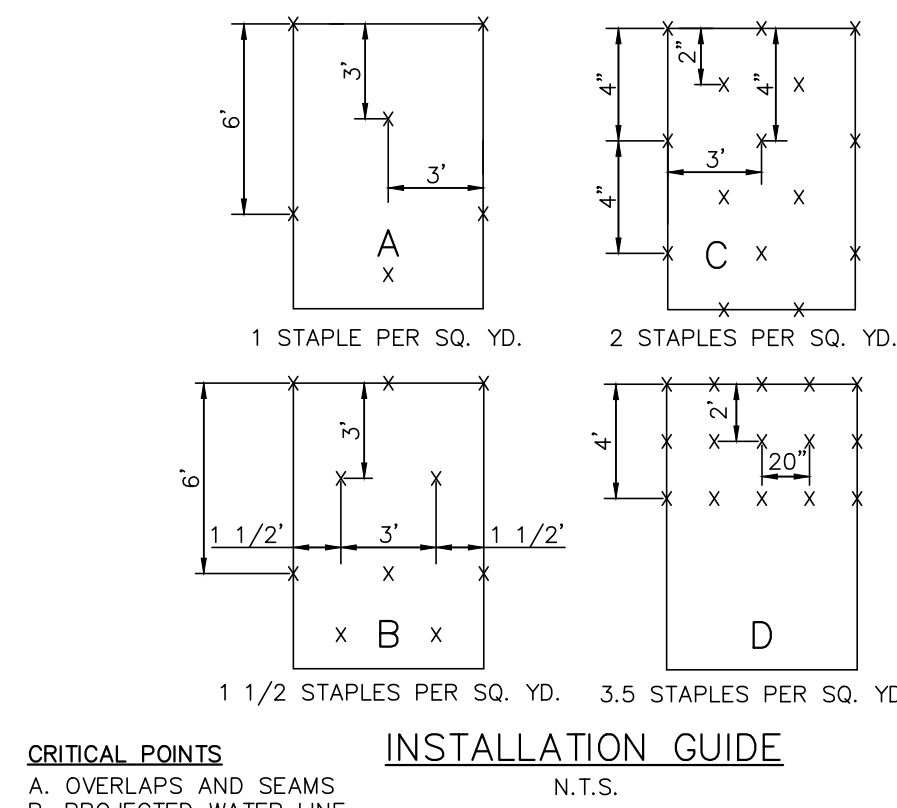
ACCESS FOR SEDIMENT REMOVAL AND OTHER REQUIRED MAINTENANCE ACTIVITIES SHALL BE PROVIDED.

A CLEAN OUT STAKE SHALL BE PLACED NEAR THE CENTER OF EACH TRAP. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED THE CLEAN OUT ELEVATION ON THE STAKE AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS. DISPOSE OF MATERIALS REMOVED FROM THE TRAP IN THE MANNER DESCRIBED IN THE E&S PLAN.

CHECK EMBANKMENTS, SPILLWAYS, AND OUTLETS FOR EROSION, PIPING AND SETTLEMENT. CLOGGED OR DAMAGED SPILLWAYS AND/OR EMBANKMENTS SHALL BE IMMEDIATELY RESTORED TO THE DESIGN SPECIFICATIONS. DISPLACED RIPRAP WITHIN THE OUTLET PROTECTION SHALL BE REPLACED IMMEDIATELY.

ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISTURBED AREAS INSIDE THE TRAP SHALL BE STABILIZED BEFORE CONVERSION TO STORMWATER MANAGEMENT FACILITY.

***MODIFIED STANDARD CONSTRUCTION DETAIL #8-8 CONCRETE RISER WITH TEMPORARY DEWATERING HOLES**
NOT TO SCALE



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-4832	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.

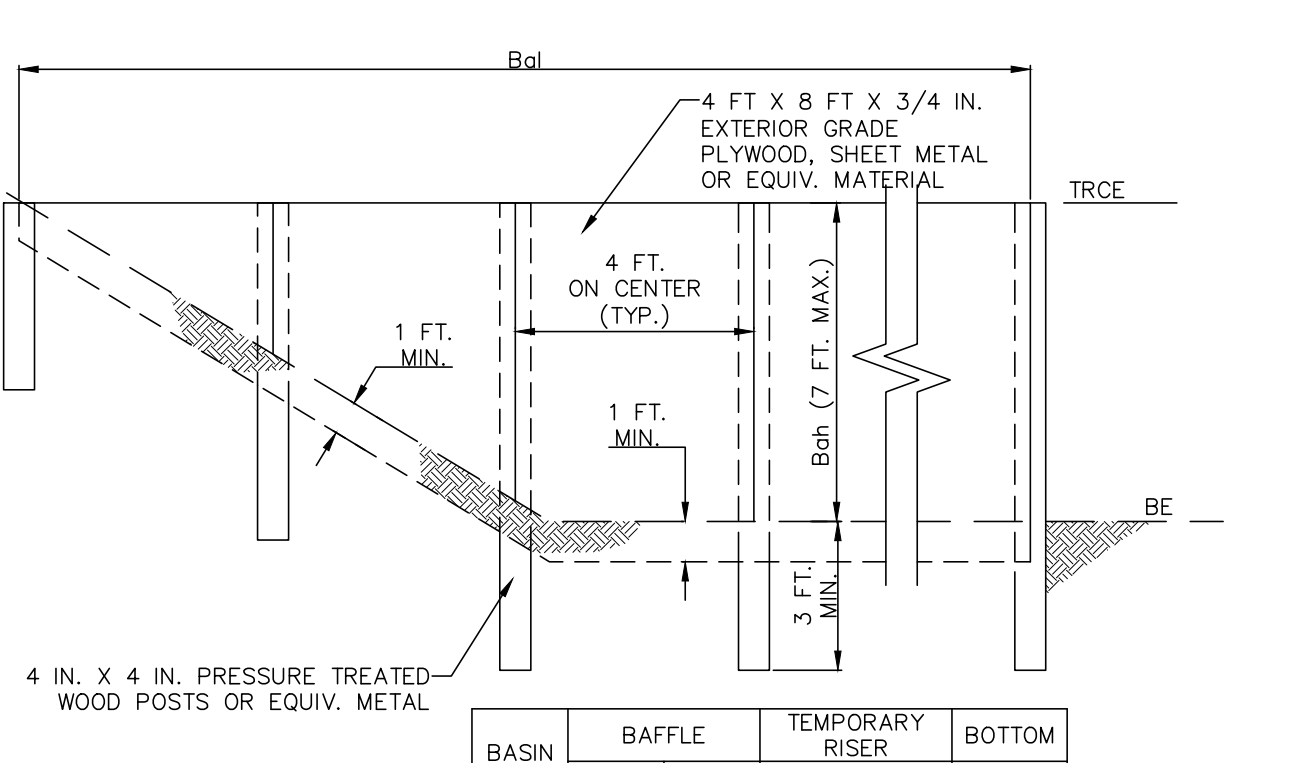
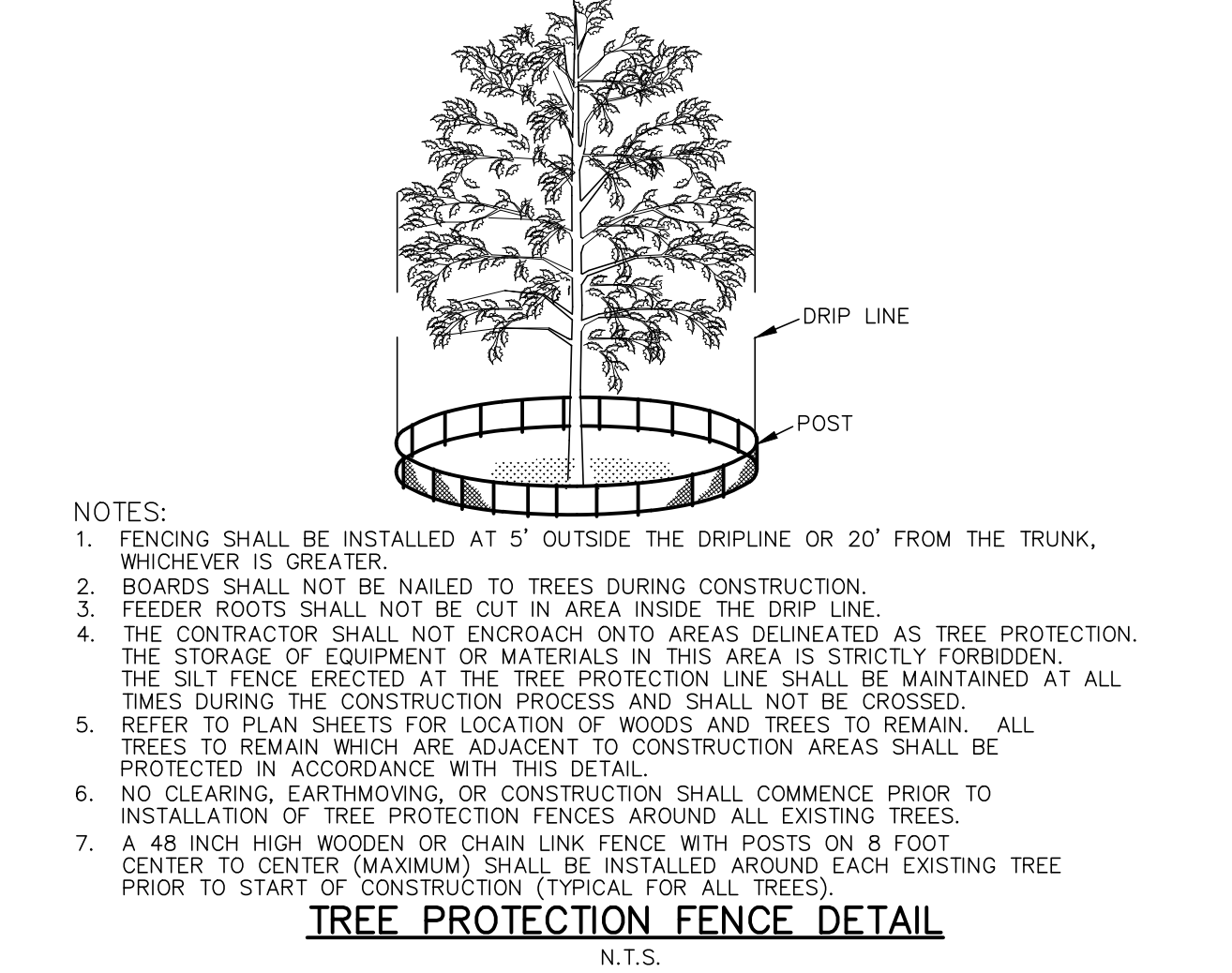
NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

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 SECURED.

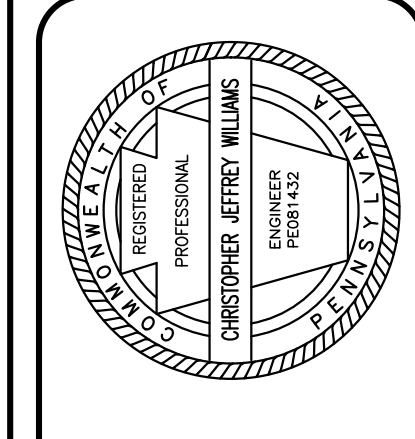
FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

STANDARD CONSTRUCTION DETAIL #3-16 PUMPED WATER FILTER BAG
NOT TO SCALE



NOTES:
• APPROPRIATE BASIN DETAIL FOR PROPER LOCATION AND ORIENTATION.
• AN ACCEPTABLE ALTERNATIVE IS TO INSTALL A SUPER SILT FENCE AT THE BAFFLE LOCATION
• IN POOLS WITH DEPTHS EXCEEDING 7', THE TOP OF THE PLYWOOD BAFFLE DOES NOT NEED TO EXTEND TO THE TEMPORARY RISER CREST. SUPER SILT FENCE BAFFLES NEED NOT EXTEND TO TREE ELEVATION.
• BAFFLES SHALL BE TIED INTO ONE SIDE OF THE BASIN UNLESS OTHERWISE SHOWN ON THE PLAN DRAWINGS.
• SUBSTITUTION OF MATERIALS NOT SPECIFIED IN THIS DETAIL SHALL BE APPROVED BY THE DEPARTMENT OR THE LOCAL CONSERVATION DISTRICT BEFORE INSTALLATION.
• DAMAGED OR WARPED BAFFLES SHALL BE REPLACED WITHIN 7 DAYS OF INSPECTION.
• BAFFLES REQUIRING SUPPORT POSTS SHALL NOT BE INSTALLED IN BASINS REQUIRING IMPERVIOUS LINERS.

BY	DATE	REVISIONS
JAZ	9/18/2020	1. TOWNSHIP COMMENTS
JAZ	10/7/2020	2. LCCO COMMENTS
JAZ	11/13/2020	3. TOWNSHIP COMMENTS

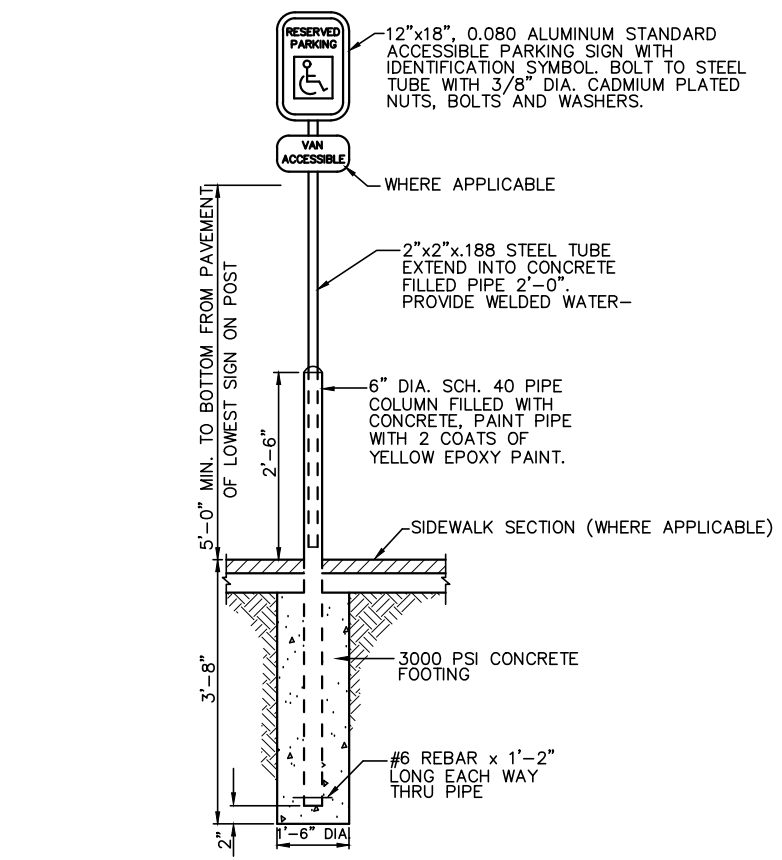


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baryisset.com
85 SOUTH ROUTE 100
ALLENTOWN, PA 18106



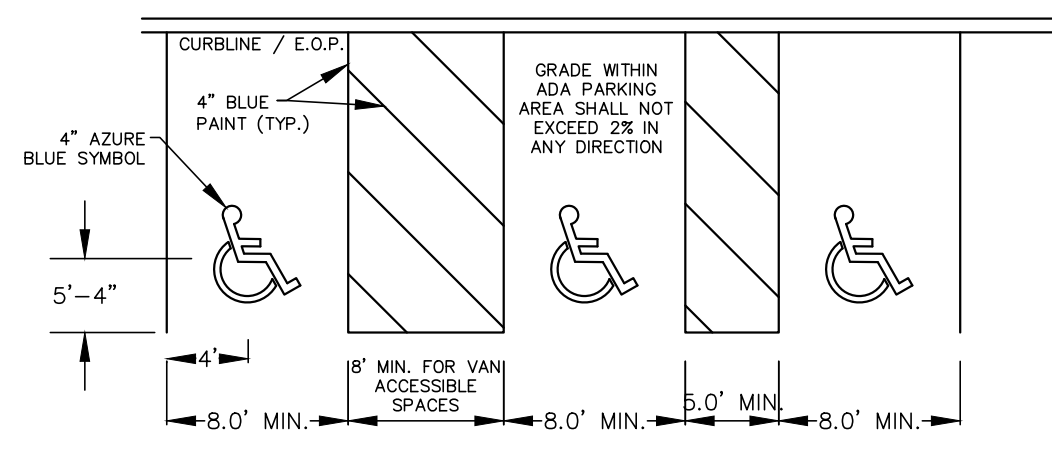
PRELIMINARY/FINAL PLANS
EROSION & SEDIMENT CONTROL DETAILS
GIRL SCOUTS OF EASTERN PA.
2638 W. ROCK ROAD
SALISBURY TOWNSHIP
LEHIGH COUNTY, PA

DATE:	DSGN:
8/26/2020	CJW
SCALE:	CHK:
	CJW
DRAWN:	APPRD:
JAZ	CJW
JOB:	P MGR:
1064119.000	CJW



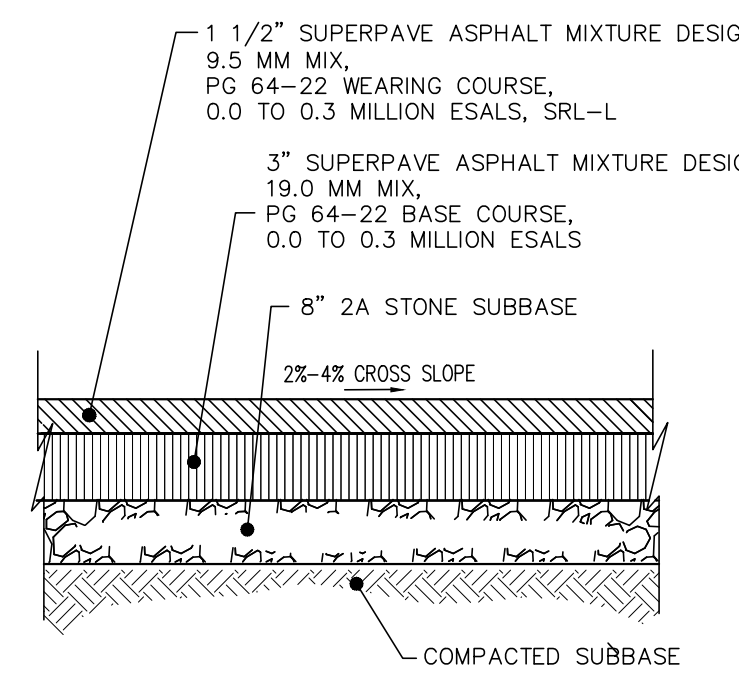
TYPICAL ACCESSIBLE PARKING SIGN
N.T.S.

NOTE:
ALL SIGNAGE MUST COMPLY WITH SECTION 3354(4)(3)(I) OF 75 P.S., C.S., OF THE SOUTH WHITEHALL TOWNSHIP VEHICLE CODE.

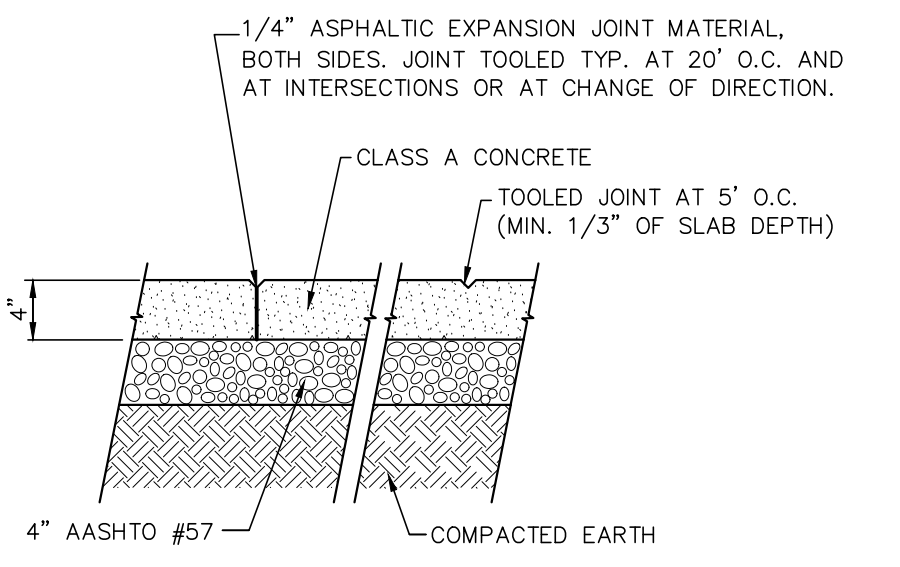


NOTES:
1. SEE LAND DEVELOPMENT PLAN FOR PARKING LAYOUT
2. ALL DIMENSIONS ARE TO CENTERLINE OF MARKINGS
3. CURB RAMPS, PAVEMENT MARKINGS & APPLICABLE SIGNAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST A.D.A. ACCESSIBILITY GUIDELINES.

A.D.A. ACCESSIBLE PARKING STRIPING DETAIL
N.T.S.

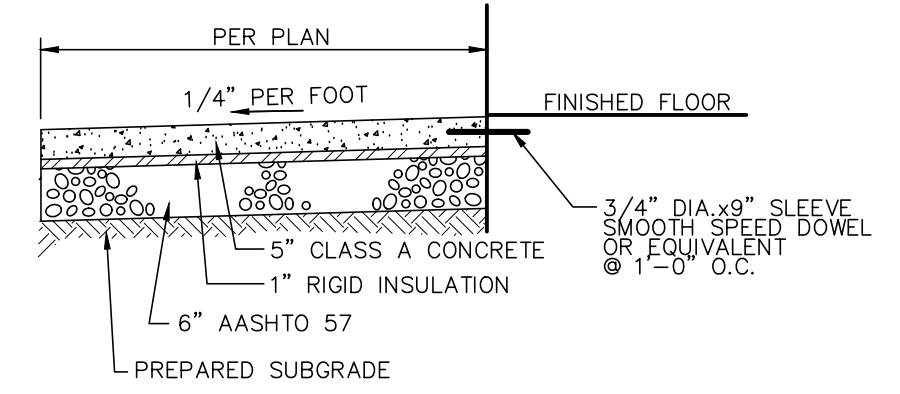


LIGHT DUTY PAVEMENT SECTION
N.T.S.



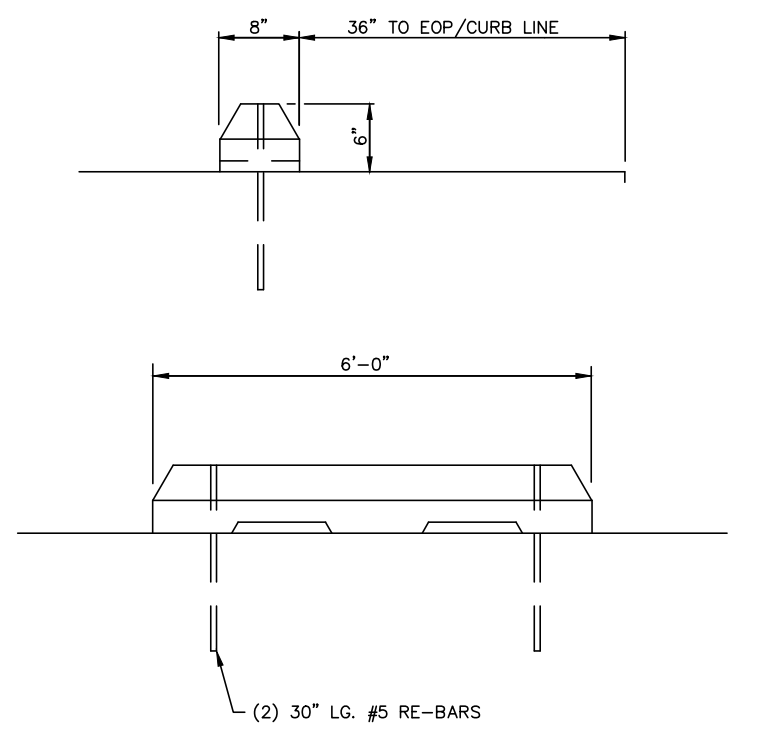
SIDEWALK DETAIL
N.T.S.

TYPICAL CONCRETE NOTES:
1. TOOL ALL EDGES
2. 1/4" PER FT. CROSS SLOPE (UNLESS SPECIFIED OTHERWISE).
3. LIGHT BROOM FINISH (UNLESS SPECIFIED OTHERWISE).
4. 1/2" PREMOLDED EXPANSION JOINT MATERIAL, JOINT TOOLED TYP. AT 20' O.C. AND AT INTERSECTIONS OR AT CHANGE OF DIRECTION (UNLESS SPECIFIED OTHERWISE).
5. TOOLED CONTROL JOINT AT 5' O.C., (MIN. 1/3 OF SLAB DEPTH (UNLESS SPECIFIED OTHERWISE)).
6. WELDED WIRE MESH, WHERE SPECIFIED, SHALL BE HELD 1" MIN. ABOVE SUB-GRADE BY BOLSTERS OR CHAIRS MATCHING MATERIAL AND FINISH OF REINFORCING AND SHALL BE 100% CUT AT ALL JOINTS.
7. FOR HANDICAPPED RAMPS CALLED OUT ON THESE PLANS, FIRST REFER TO DETAILS ON THESE PLANS, AND PROJECT SPECIFICATION, FOR CONSTRUCTION DETAILS, AND THEN PENNDOT RC-67M FOR ADDITIONAL CLARIFICATION. (AFTER APPROVAL OF DESIGN ENGINEER)

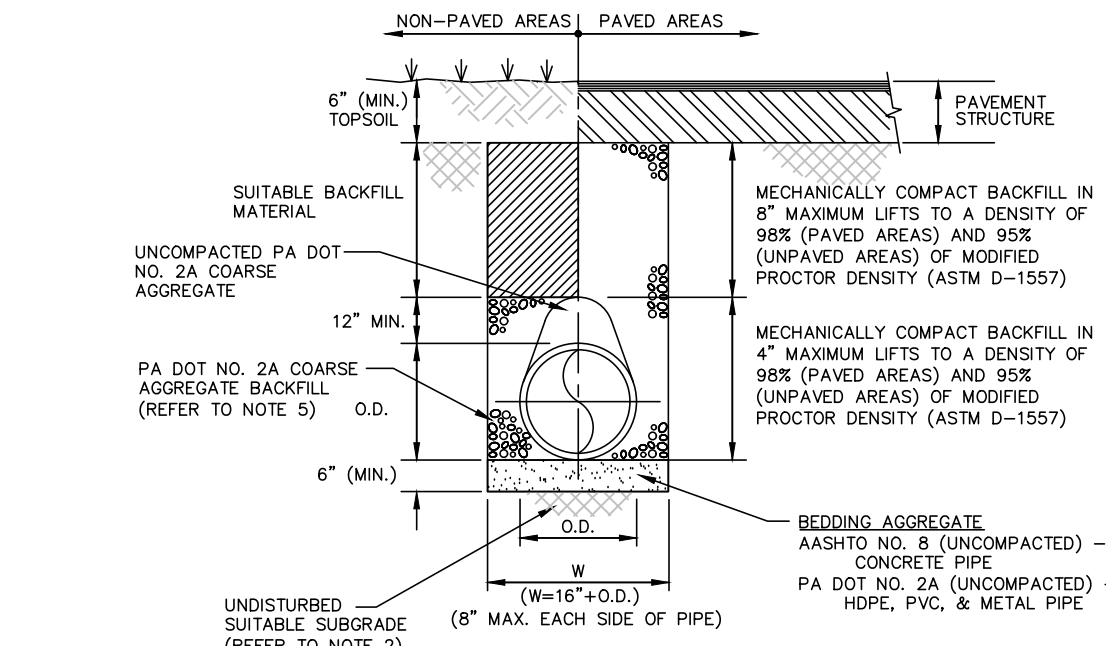


CONCRETE SIDEWALK @ DOORWAY
N.T.S.

NOTE:
SIDEWALKS SHALL BE DOWELED INTO BUILDING FOUNDATION AT ENTRANCES.

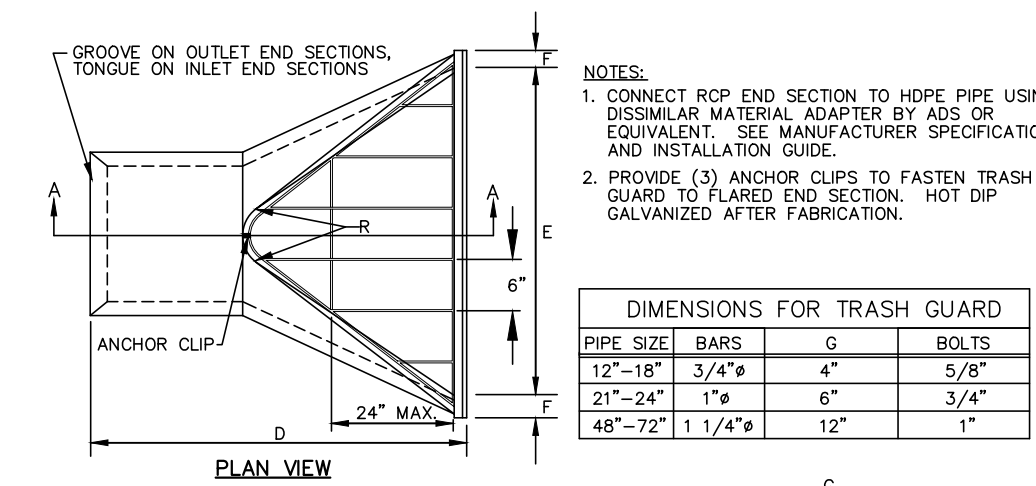


6" PRECAST CONCRETE WHEEL STOP
N.T.S.



NOTES:
1. EXCAVATE TRENCH BOX AND INSTALL SHORING AS REQUIRED TO COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND CODES
2. IF UNSUITABLE MATERIAL IS FOUND, UNDERCUT AS DIRECTED BY THE ENGINEER AND BACKFILL WITH SUITABLE MATERIAL TO BOTTOM OF BEDDING ELEVATION
3. KEEP EXCAVATIONS DRY AND FREE OF WATER. INTERCEPT AND DIVERT SURFACE DRAINAGE AWAY FROM EXCAVATIONS. DETERMINE ANY PRECIPITATION AND SUBSURFACE WATER FROM EXCAVATIONS.
4. DO NOT ADVANCE TRENCHING OPERATIONS MORE THAN 200 FEET AHEAD OF COMPLETED PIPELINE.
5. ALL TRENCHES WITHIN PAVED AREAS SHALL BE BACKFILLED WITH FULL DEPTH PA DOT NO. 2A COARSE AGGREGATE.

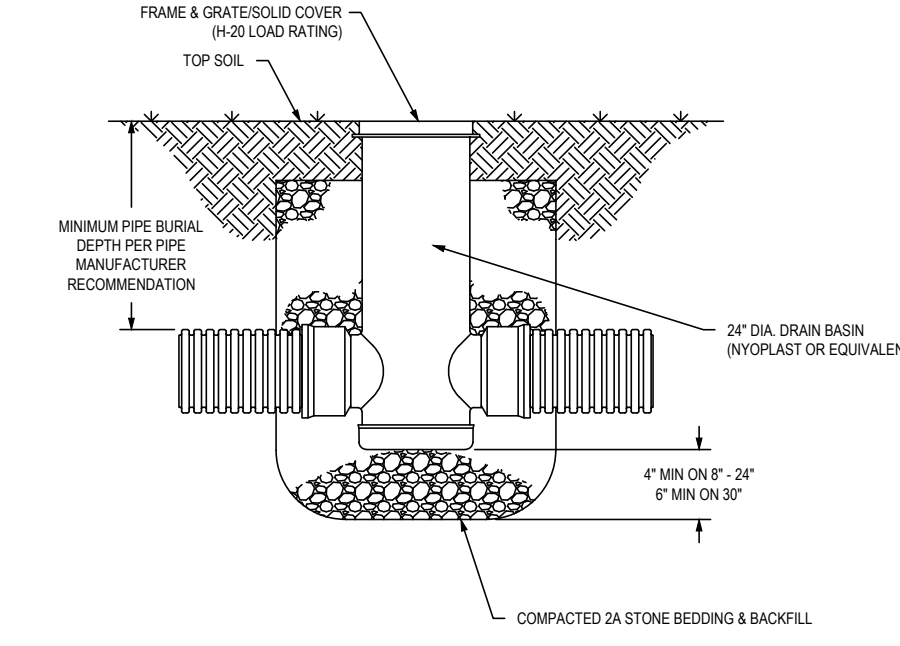
TYPICAL STORM PIPE TRENCH & BACKFILL
N.T.S.



PIPE SIZE	BAR	G	BOLTS
12"-18"	3/4"	4"	5/8"
21"-24"	1"	6"	3/4"
48"-72"	1 1/4"	12"	1"

DIAM.	A	B	C	D	E	F	R
18"	9"	2'-3"	3'-10"	6'-1"	3'-0"	2 1/2"	7 1/2"
24"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	3"	8"
30"	12"	4'-6"	1'-7 1/2"	6'-1 1/2"	9'-0"	3 1/2"	8"

FLARED END SECTION WITH SLOPED TRASH GUARD
N.T.S.



24" DIA. NYOPLAST DRAIN BASIN
N.T.S.

TEMPORARY AND PERMANENT SEEDING SPECIFICATIONS

SPECIFICATIONS: THE DEPARTMENT RECOMMENDS THE USE OF THE PENN STATE PUBLICATION, "EROSION CONTROL AND CONSERVATION PLANTINGS ON NONCROPLAND" AS THE STANDARD TO USE FOR SELECTION OF SPECIES, SEED SPECIFICATIONS, MIXTURES, LIMING AND FERTILIZING, TIME OF SEEDING, AND SEEDING METHODS. SPECIFICATIONS FOR THESE ITEMS MAY ALSO BE OBTAINED FROM PENN DOT'S PUBLICATION # 408, SECTION 804 OR BY CONTACTING THE APPLICABLE COUNTY CONSERVATION DISTRICT. UPON SELECTION OF A REFERENCE, THAT REFERENCE SHOULD BE USED TO PROVIDE ALL SPECIFICATIONS FOR SEEDING, MULCHING, AND SOIL AMENDMENTS. THE FOLLOWING SPECIFICATION WILL BE USED FOR THIS PROJECT.

(TEMPORARY)
 SPECIES: ANNUAL RYEGRASS
 PURE LIVE SEED: 98 %
 APPLICATION RATE: 40 LB./ACRE
 FERTILIZER TYPE: 10-10-10 (X-X-X)
 FERTILIZER APPL. RATE: 500 LB./ACRE
 LIMING RATE: 1 T./ACRE
 MULCH TYPE: STRAW
 MULCHING RATE: 3 T./ACRE

(PERMANENT)
 TOPSOIL PLACEMENT DEPTH: 6 IN.
 SPECIES: KENTUCKY BLUEGRASS + TURF TYPE PERENNIAL RYEGRASS
 FINE FESCUE (RED OR CHEWING)
 PURE LIVE SEED: 98 %
 APPLICATION RATE: (200 LBS./ACRE TOTAL) LB./ACRE
 FERTILIZER TYPE: 10-20-20 (X-X-X)
 FERTILIZER APPL. RATE: 1000 LB./ACRE
 LIMING RATE: 6 T./ACRE
 MULCH TYPE: STRAW
 MULCHING RATE: 3 T./ACRE
 ANCHOR MATERIAL: NON-ASPHALTIC CON TACK TACKIFIER
 ANCHORING METHOD: BY SPRAYING EQUIPMENT
 RATE OF ANCHOR MATERIAL APPL.: 50 LB./ACRE
 SEEDING SEASON DATES: MARCH 15 - MAY 15
 AUGUST 16 - OCTOBER 15

(PERMANENT-STEEP SLOPE)
 TOPSOIL PLACEMENT DEPTH: 6 IN.
 SPECIES: FESTUCA RUBRA COMMUNATA + FESTUCA OVINA GLAUCA
 + FESTUCA OVINA DURISUCULA + FESTUCA RUBRA DAWSON
 + LOLIUM MULTIFLORUM + FESTUCA RUBRA
 + FESTUCA RUBRA TRICHOPHYLLA
 PURE LIVE SEED: 98 %
 APPLICATION RATE: 250 LB./ACRE
 FERTILIZER TYPE: 10-20-20 (X-X-X)
 FERTILIZER APPL. RATE: 1000 LB./ACRE
 LIMING RATE: 6 T./ACRE
 MULCH TYPE: STRAW
 MULCHING RATE: 3 T./ACRE
 ANCHOR MATERIAL: EROSION CONTROL BLANKETS/MATS
 ANCHORING METHOD: METAL STAPLES
 RATE OF ANCHOR MATERIAL APPL.: SEE PENNDOT PUB 408 SECTION 806.3(A) LB./ACRE
 SEEDING SEASON DATES: MARCH 15 - MAY 15
 AUGUST 16 - OCTOBER 15

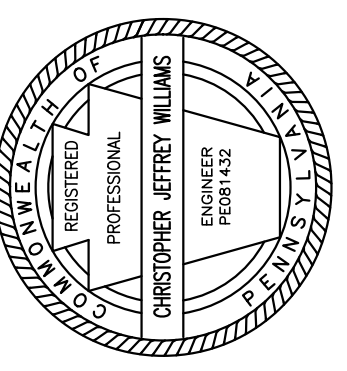
NOTE:
IF ANY REVISIONS TO THE SEEDING SPECIFICATIONS ARE REQUIRED, THE CONTRACTOR SHALL CONTACT THE CONSERVATION DISTRICT TO OBTAIN GUIDANCE ON ALTERNATIVE SEEDING SPECIFICATIONS.

PRELIMINARY/FINAL PLANS

CONSTRUCTION DETAILS
GIRL SCOUTS OF EASTERN PA.
 2638 W. ROCK ROAD
 SALISBURY TOWNSHIP
 LEHIGH COUNTY, PA

DATE: 8/28/2020
 SCALE: AS NOTED
 DRAWN: JAZ
 JOB: 1064119.000
 DSGN: CJW
 CHK: CJW
 APPRD: CJW
 P MGR: CJW

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BARRY
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Associates
 MULTIDISCIPLINE ENGINEERS AND CONSULTANTS

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