Preliminary Land Development Plans MRI EXPANSION

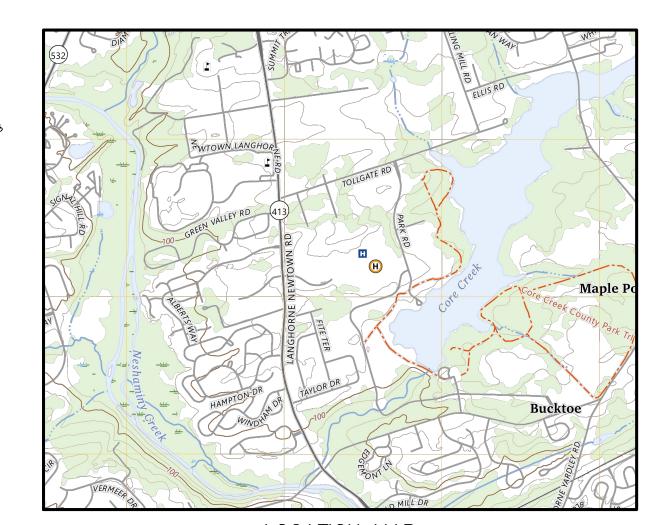
SAINT MARY MEDICAL CENTER MIDDLETOWN TOWNSHIP BUCKS COUNTY, PA MAY 30, 2025

PLANS PREPARED BY



Q 267.454.2260

barryisett.com 2325 Heritage Ctr. Drive Furlong, PA 18925



USGS: LANGHORNE QUADRANGLE SCALE: 1"=2000'

ZONING DATA

SITE DATA

TOTAL AREA:

SEWER:

NUMBER OF LOTS

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. [ADOPTED AND EFFECTIVE BY ORD. NO. 14-05, SEPTEMBER 22, 2014.] ZONING DISTRICT: RA-2 RESIDENCE - AGRICULTURAL DISTRICT

SAINT MARY MEDICAL CENTER

DBV.: 2121, PG.: 0454 22-004-019

56.83 (DEED)

PUBLIC

AREA AND DIMENSIONAL REQUIREMENTS:			
MINIMUM REQUIREMENTS	REQUIRED	EXISTING	PROPOSE
MIN. LOT AREA: (HOSPITAL)	5 AC.	5 AC.	5 AC.
MIN. LOT AREA:	30,000 S.F.	56.889 AC.	56.889 A
MIN. LOT WIDTH:	125'	993.18'	993.18
MAX. DENSITY: (DWELLING UNITS PER ACRE)	1.2	0	0
MAX. BUILDING HEIGHT:	35'	35'	35'
MAX. BUIDLING COVERAGE:	15%	12%	12%
MAX. IMPERVIOUS COVERAGE:	30%	N/A	N/A
MAX. IMPERVIOUS COVERAGE: (HOSPITAL)	50%	49%	49%
BUFFER YARD: (ALONG ALL PROPERTY LINES)	50'	50'	50'
MIN. YARD SETBACKS:			
FRONT YARD:	50'	50'	50'
SIDE YARDS:	15', 40'(AGG.)	15', 40'(AGG.)	15', 40'(AG
DEAD WARRO	501	- o'	501

PLAN DESIGNATION	PLAN TITLE	PLAN NO.	DATE	LAST RE
* TS-1	TITLE SHEET	1 of 8	5/30/2025	
* SP-1	SITE DEVELOPMENT PLAN	2 of 8	5/30/2025	
EF-1	EXISTING FEATURES - DEMOLITION PLAN	3 of 8	5/30/2025	
* GU-1	GRADING AND UTILITY PLAN	4 of 8	5/30/2025	
* LA-1	LANDSCAPE PLAN	5 of 8	5/30/2025	
ES-1	EROSION & SEDIMENT CONTROL PLAN	6 of 8	5/30/2025	
ESD-1	EROSION & SEDIMENT CONTROL DETAILS	7 of 8	5/30/2025	
DE-1	CONSTRUCTION DETAILS	8 of 8	5/30/2025	
* DENOTES LAND	DEVELOPMENT PLANS TO BE RECORDED	•		

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.

STORMWATER CONTROL MEASURES (SCM)

THE OWNER HEREBY ACKNOWLEDGES THAT THE STORMWATER SCM'S ARE FIXTURES THAT CANNOT BE ALTERED OR REMOVED WITHOUT APPROVAL OF THE TOWNSHIP RESPECTIVE.

OWNER'S CERTIFICATION

COMMONWEALTH OF PENNSYLVANIA COUNTY OF BUCKS

___ DAY OF _____, 20__, BEFORE ME, THE UNDERSIGNED OFFICER, PERSONALLY APPEARED ______, WHO BEING DULY SWORN ACCORDING TO LAW, DEPOSES AND SAYS THAT ______ WHICH IS THE OWNER OF THE PROPERTY SHOWN ON THE PLAN, THAT THE LAND DEVELOPMENT PLAN THEREOF WAS MADE AT HIS/HER/THEIR DIRECTION, THAT HE/SHE/THEY ACKNOWLEDGE(S) THE SAME TO BE HIS/HER/THEIR ACT AND PLAN AND DESIRES THE SAME TO BE RECORDED AS SUCH ACCORDING TO LAW.

DONALD J. BARA, P.L.S. LICENSE NO. SU075630 BARRY ISETT & ASSOCIATES, INC.

PROFESSIONAL SURVEYOR'S CERTIFICATION

THE PENNSYLVANIA SOCIETY OF LAND SURVEYORS.

I HEREBY CERTIFY THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE

AND BELIEF THE SURVEY SHOWN ON THIS PLAN PERFORMED IN OCTOBER

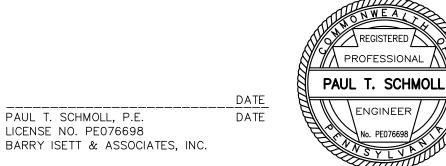
OF 2024 & JANUARY OF 2025 IS IN ACCORDANCE WITH THE "MINIMUM

PRACTICE IN THE COMMONWEALTH OF PENNSYLVANIA" AS ADOPTED BY

STANDARDS OF THE PROFESSIONAL LAND SURVEYORS MANUAL OF

ENGINEER'S CERTIFICATION I, PAUL T. SCHMOLL, A REGISTERED PROFESSIONAL ENGINEER IN THE

COMMONWEALTH OF PENNSYLVANIA, DO HEREBY CERTIFY THAT THE ACCOMPANYING APPLICATION, PLANS AND SUPPORTING DOCUMENTATION ARE TRUE AND CORRECT, TO THE BEST OF MY KNOWLEDGE.



PAUL T. SCHMOLL, P.E. LICENSE NO. PE076698

Call before you dig. SITE SERIAL #20250803944-000

Bucks County Planning Commission Notation:

Signature of Owner

, 20__, before me the subscriber, a Notary Public of the

Notary Public

monwealth of Pennsylvania, residing in _______ personally appeared (name(s) of all owners), known to me (or satisfactorily proven) to be the persons whose name(s) (is/are) subscribed to the foregoing plan, and acknowledge that (he/she/they) (is/are) the registered owner(s) of the designated plan, that all necessary approvals of the plan have been obtained and is endorsed thereon, and that (he/she/they) desire

(2) Where the owner is a corporation:

of Pennsylvania, residing in ______ personally appeared (name of officer of corporation), who

Approved Notation by the Township shall be as follows:

Approved by the Board of Supervisors of the Township of Middletown this _____ day of ______,

Township Planning Commission Notations:

Recommended for approval by the Middletown Township Planning Commission this _____ day of

On the _____ day of _____,20_, before me the subscriber, a Notary Public of the Commonwealth

acknowledged (himself/herself) to be the(president/secretary)of (name of the corporation), a corporation, and that as such (president of secretary), being authorized to do so, (he/she) executed the foregoing plan by signing that the said corporation is the registered owner of the designated land, that all necessary approvals of the plan have been obtained and is endorsed thereon, and that (he/she/they) desire that the foregoing plan be recorded

PROCESSED AND REVIEWED. Report prepared by the Bucks County Planning Commission in accordance with the Municipalities Planning Code. Certified this date _____

Executive Director, Bucks County Planning Commission

ARTICLE IV - PLAN REQUIREMENTS Commonwealth of Pennsylvania:

that the foregoing plan be recorded according to law.

My Commission Expires _____

Commonwealth of Pennsylvania

My Commission Expires _____

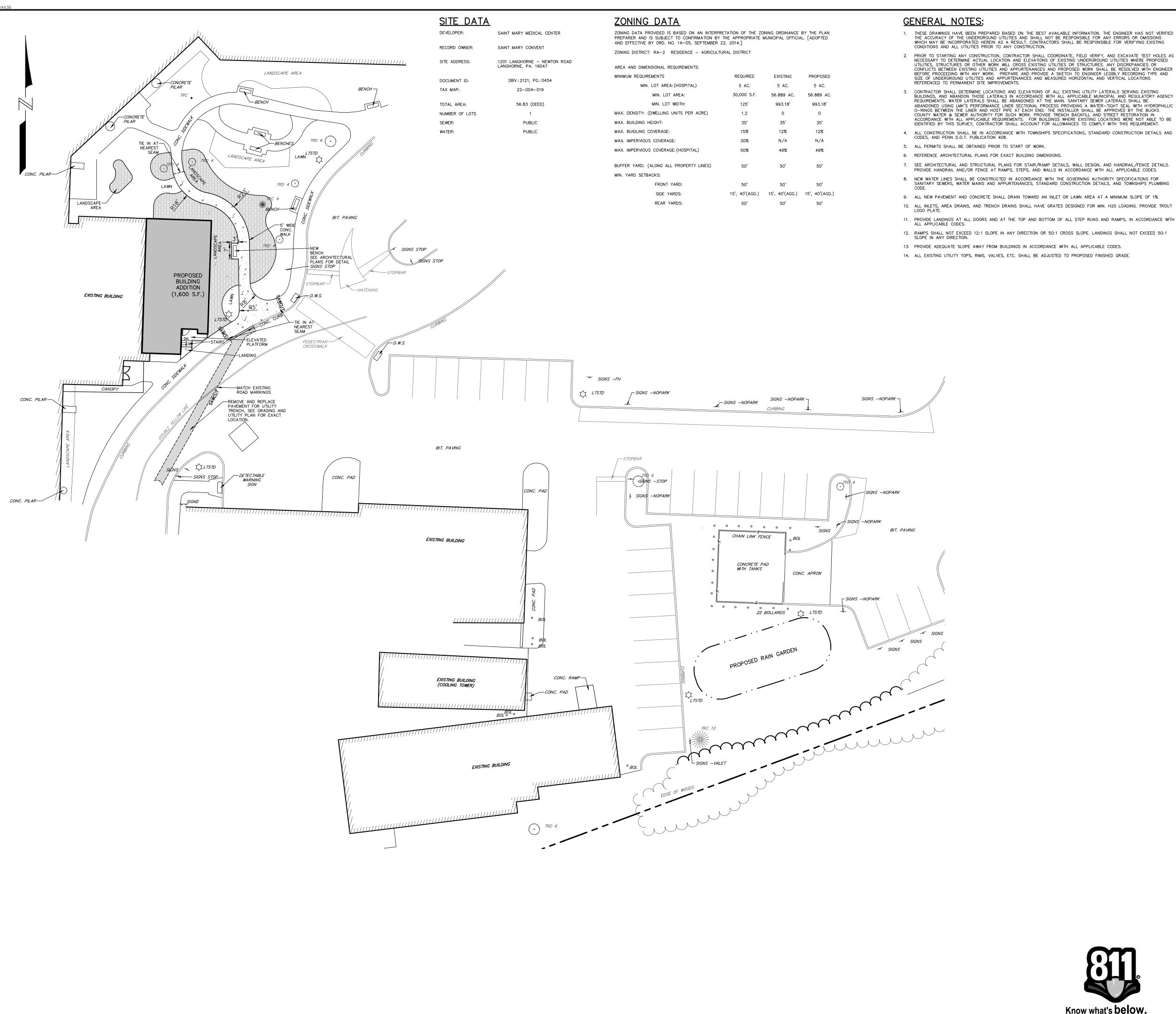
(SEAL)

Witness my hand and notarial seal, the day and year aforesaid.

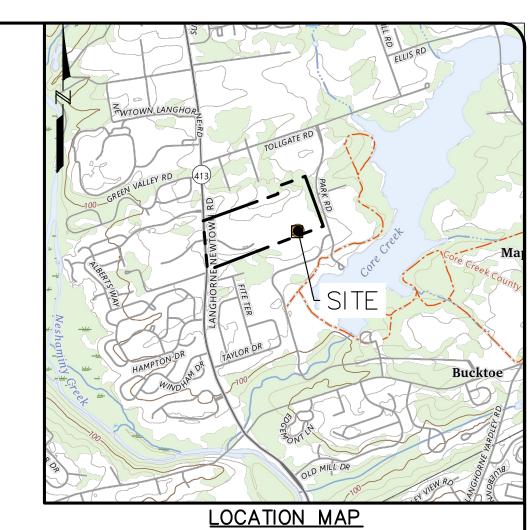
'Recorded in the office of the Recorded of Deeds, Bucks County, Pennsylvania in Plan Book — ______ Page _____ on the ____ day of ____, 20_.

Recording Notation:

MY COMMISSION EXPIRES: ___



- THESE DRAWINGS HAVE BEEN PREPARED BASED ON THE BEST AVAILABLE INFORMATION. THE ENGINEER HAS NOT VERIFIED
 THE ACCURACY OF THE UNDERGROUND UTILITIES AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS
 WHICH MAY BE INCORPORATED HEREIN AS A RESULT. CONTRACTORS SHALL BE RESPONSIBLE FOR VERIFYING EXISTING
 CONDITIONS AND ALL UTILITIES PRIOR TO ANY CONSTRUCTION.
- 2. PRIOR TO STARTING ANY CONSTRUCTION, CONTRACTOR SHALL COORDINATE, FIELD VERIFY, AND EXCAVATE TEST HOLES AS NECESSARY TO DETERMINE ACTUAL LOCATION AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES WHERE PROPOSED UTILITIES, STRUCTURES OR OTHER WORK WILL CROSS EXISTING UTILITIES OR STRUCTURES. ANY DISCREPANCIES OR CONFLICTS BETWEEN EXISTING UTILITIES AND APPURTENANCES AND PROPOSED WORK SHALL BE RESOLVED WITH ENGINEER BEFORE PROCEEDING WITH ANY WORK. PREPARE AND PROVIDE A SKETCH TO ENGINEER LEGIBLY RECORDING TYPE AND SIZE OF UNDERGROUND UTILITIES AND APPURTENANCES AND MEASURED HORIZONTAL AND VERTICAL LOCATIONS REFERENCED TO PERMANENT SITE IMPROVEMENTS.
- 3. CONTRACTOR SHALL DETERMINE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITY LATERALS SERVING EXISTING BUILDINGS, AND ABANDON THOSE LATERALS IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND REGULATORY AGENCY REQUIREMENTS. WATER LATERALS SHALL BE ABANDONED USING LMK'S PERFORMANCE LINER SECTIONAL PROCESS PROVIDING A WATER—TIGHT SEAL WITH HYDROPHILLIC O—RINGS BETWEEN THE LINER AND HOST PIPE AT EACH END; THE INSTALLER SHALL BE APPROVED BY THE BUCKS COUNTY WATER & SEWER AUTHORITY FOR SUCH WORK, PROVIDE TRENCH BACKFILL AND STREET RESTORATION IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS. FOR BUILDINGS WHERE EXISTING LOCATIONS WERE NOT ABLE TO BE IDENTIFIED BY THIS SURVEY, CONTRACTOR SHALL ACCOUNT FOR ALLOWANCES TO COMPLY WITH THIS REQUIREMENT.
- 4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWNSHIPS SPECIFICATIONS, STANDARD CONSTRUCTION DETAILS AND CODES, AND PENN D.O.T. PUBLICATION 408.
- 5. ALL PERMITS SHALL BE OBTAINED PRIOR TO START OF WORK.
- 6. REFERENCE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.
- 7. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR STAIR/RAMP DETAILS, WALL DESIGN, AND HANDRAIL/FENCE DETAILS. PROVIDE HANDRAIL AND/OR FENCE AT RAMPS, STEPS, AND WALLS IN ACCORDANCE WITH ALL APPLICABLE CODES.
- 8. NEW WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GOVERNING AUTHORITY SPECIFICATIONS FOR SANITARY SEWERS, WATER MAINS AND APPURTENANCES, STANDARD CONSTRUCTION DETAILS, AND TOWNSHIPS PLUMBING CODE.
- 9. ALL NEW PAVEMENT AND CONCRETE SHALL DRAIN TOWARD AN INLET OR LAWN AREA AT A MINIMUM SLOPE OF 1%.
- 11. PROVIDE LANDINGS AT ALL DOORS AND AT THE TOP AND BOTTOM OF ALL STEP RUNS AND RAMPS, IN ACCORDANCE WITH ALL APPLICABLE CODES.
- 12. RAMPS SHALL NOT EXCEED 12:1 SLOPE IN ANY DIRECTION OR 50:1 CROSS SLOPE. LANDINGS SHALL NOT EXCEED 50:1 SLOPE IN ANY DIRECTION.
- 13. PROVIDE ADEQUATE SLOPE AWAY FROM BUILDINGS IN ACCORDANCE WITH ALL APPLICABLE CODES.
- 14. ALL EXISTING UTILITY TOPS, RIMS, VALVES, ETC. SHALL BE ADJUSTED TO PROPOSED FINISHED GRADE.



SCALE 1"=2000' SOURCE: LANGHORNE, QUADRANGLE

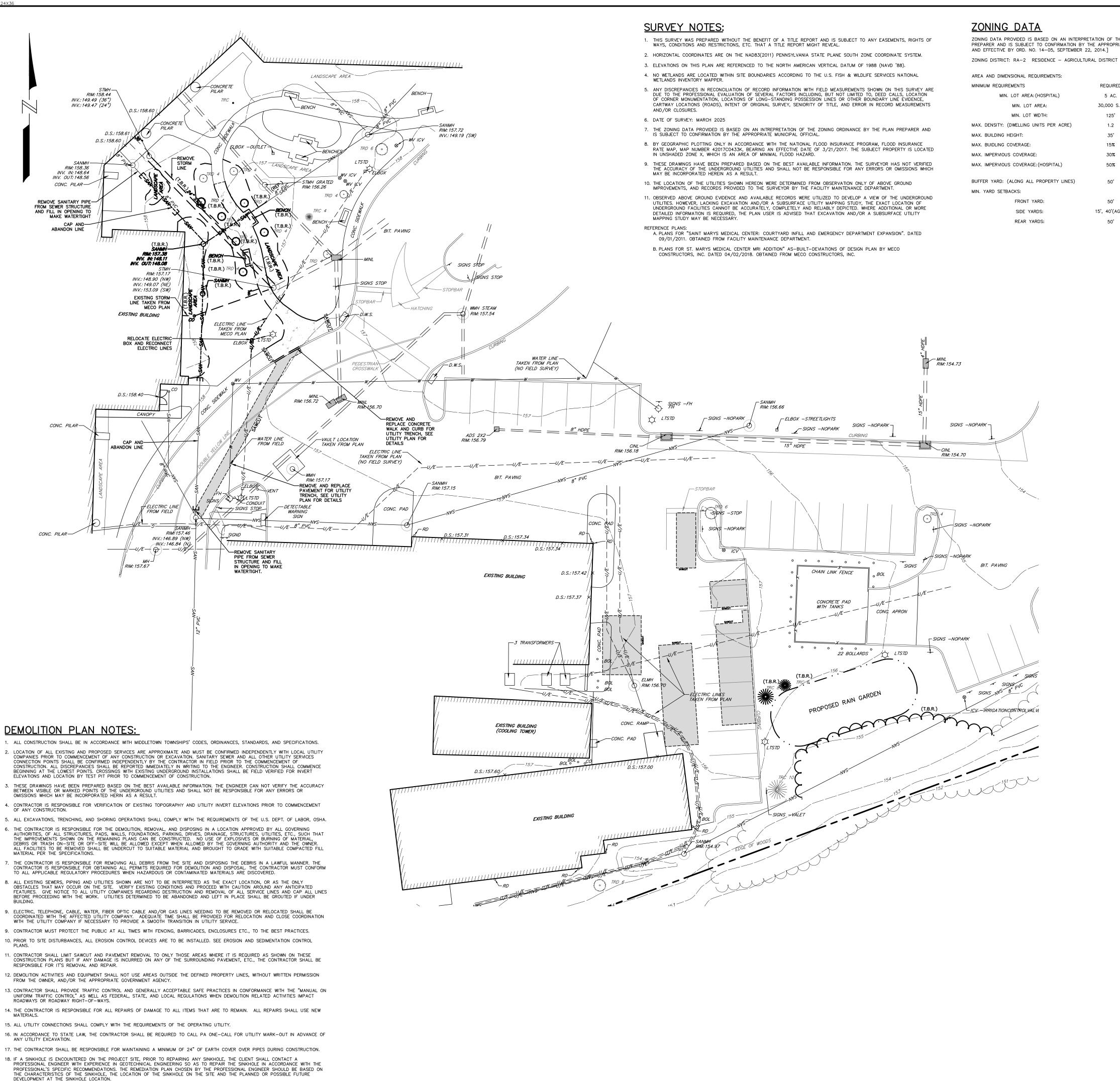
	<u>EXI.</u>	<u>STING</u>	<u>PRO</u>	POSED
PROPERTY BOUNDARY			•	
BUILDING SETBACK				
EASEMENT				
CURBING		PESSED JRB	Cl	RESSED JRB
BUILDING	/ EXIST. / BUILDING	/		PROP. BUILDING
PAVEMENT				
CONCRETE WALKWAY	4	7 ·	4	7
SOIL BOUNDARY		ReA MeD		
UTILITY POLE		Ø ^{U.P.}		
UNDERGROUND ELECTRIC	← − − − − ′	U/E— — —	:	J/E — — —
UNDERGROUND UNKNOWN UTILITY		JNK— — —		
WATER MAIN & VALVE	<i>₩V</i>		:	—w——
CURB STOP	\otimes^{CS}		⊗ ^{c.s.}	
FIRE HYDRANT	→ FH		↓ F.H.	
GAS MAIN & VALVE	≿—⊗ GV	— <i>G</i> ————		—-G
SANITARY LINE, MANHOLE, & CLEANOUT	SAN. MH	_SANO	PROP. MH	-SANC.C
STORM LINE, MANHOLE, & INLET	STORM MH	INLET	PROP. MH	PROP. INLET
CHAIN-LINK FENCE	<i>CHAIN−L</i>	INK FENCE X	: ← CHAIN-LI	INK FENCE X —
SIGN	_	o	_	-
DECIDUOUS TREE	800 +	MAPLE	($\frac{1 \text{ AR}}{}$
EVERGREEN TREE		6" PINE	*	1 PS
CONTOUR				-590
SPOT ELEVATION	x ^{5.}	90.53	+59	90.53
EDGE OF PAVEMENT	Ε.	O.P.	E.	0.P.
EDGE OF CARTWAY	E.	O.C.	E.	O.C.
BITUMINOUS		/ <i>T.</i>	BI	
TYPICAL	•	TYP.)	(T	YP.)
DETECTABLE WARNING SURFA		WS		
PROPERTY CORNER (MONUMENT AS NOTED)) 🖸		
TO BE REMOVED			•	.B.R.)
TO REMAIN			•	REM.)
TO BE REPLACED			-	REP.)
RELOCATE FINISHED FLOOR			(K F.	REL.) F
DOOR SILL			D.	

1 IN = 20 FT

Know what's below.
Call before you dig.

SITE SERIAL #20250803944-000

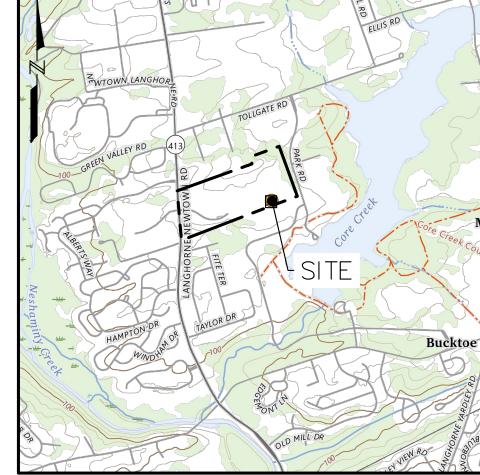
DRAWN: 1026825.000 COPYRIGHT 2025 SHEET: 2 of 8 SP-1



19. THE CONTRACTOR SHALL MAINTAIN EXISTING UTILITY SERVICES THROUGHOUT CONSTRUCTION. TEMPORARY MEASURES SHALL BE PROVIDED TO AVOID DISRUPTION OF SERVICES.

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. [ADOPTED

AREA AND DIMENSIONAL REQUIREMENTS:			
MINIMUM REQUIREMENTS	REQUIRED	EXISTING	PROPOSED
MIN. LOT AREA: (HOSPITAL)	5 AC.	5 AC.	5 AC.
MIN. LOT AREA:	30,000 S.F.	56.889 AC.	56.889 AC
MIN. LOT WIDTH:	125'	993.18'	993.18'
MAX. DENSITY: (DWELLING UNITS PER ACRE)	1.2	0	0
MAX. BUILDING HEIGHT:	35'	35'	35'
MAX. BUIDLING COVERAGE:	15%	12%	12%
MAX. IMPERVIOUS COVERAGE:	30%	N/A	N/A
MAX. IMPERVIOUS COVERAGE: (HOSPITAL)	50%	49%	49%
BUFFER YARD: (ALONG ALL PROPERTY LINES)	50'	50'	50'
MIN. YARD SETBACKS:			
FRONT YARD:	50'	50'	50'
SIDE YARDS:	15', 40'(AGG.)	15', 40'(AGG.)	15', 40'(AGG
REAR YARDS:	50'	50'	50'

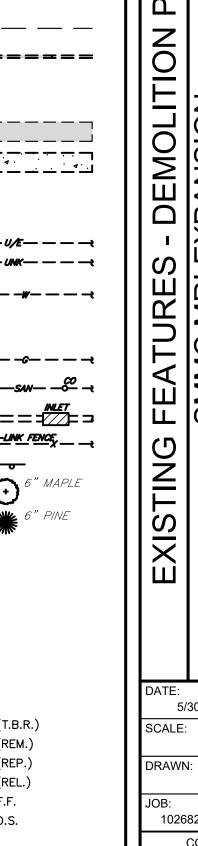


DEVELOPER:	SAINT MARY MEDICAL CENTER
RECORD OWNER:	SAINT MARY CONVENT
SITE ADDRESS:	1201 LANGHORNE – NEWTON LANGHORNE, PA. 19047
DOCUMENT ID:	DBV.: 2121, PG.: 0454
TAX MAP:	22-004-019
TOTAL AREA:	56.83 (DEED)
NUMBER OF LOTS	1
SEWER:	PUBLIC
WATER:	PUBLIC

<u>LEGEND</u> **DEMOLITION** PROPERTY BOUNDARY BUILDING SETBACK EASEMENT CURBING EXIST. BUILDING BUILDING _____ PAVEMENT <u>______</u> CONCRETE WALKWAY SOIL BOUNDARY UTILITY POLE UNDERGROUND UNKNOWN \leftarrow - - - \cup NK- - - \rightarrow \leftarrow - - - \cup NK- - - -UTILITY WATER MAIN & VALVE CURB STOP FIRE HYDRANT GAS MAIN & VALVE SANITARY LINE, MANHOLE, & CLEANOUT STORM LINE, MANHOLE, & INLET CHAIN-LINK FENCE SIGN DECIDUOUS TREE 6" PINE EVERGREEN TREE CONTOUR _x590.53 SPOT ELEVATION EDGE OF PAVEMENT E.O.P. EDGE OF CARTWAY E.O.C. BIT. BITUMINOUS (TYP.) TYPICAL DWS DETECTABLE WARNING SURFACE \bigcirc \Box PROPERTY CORNER (MONUMENT AS NOTED) (T.B.R.) TO BE REMOVED TO REMAIN (REM.) TO BE REPLACED (REP.) (REL.) RELOCATE FINISHED FLOOR F.F. DOOR SILL

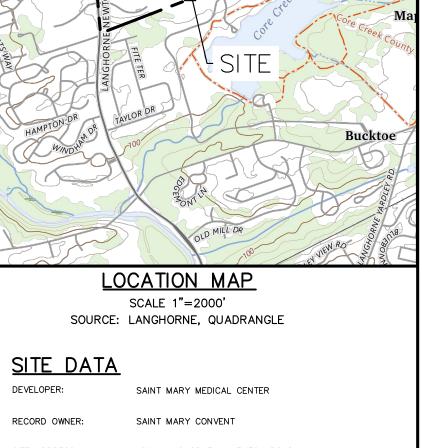
NOTE:
VERTICAL TEXT INDICATES PROPOSED FEATURES

SLANTED TEXT INDICATES EXISTING FEATURES



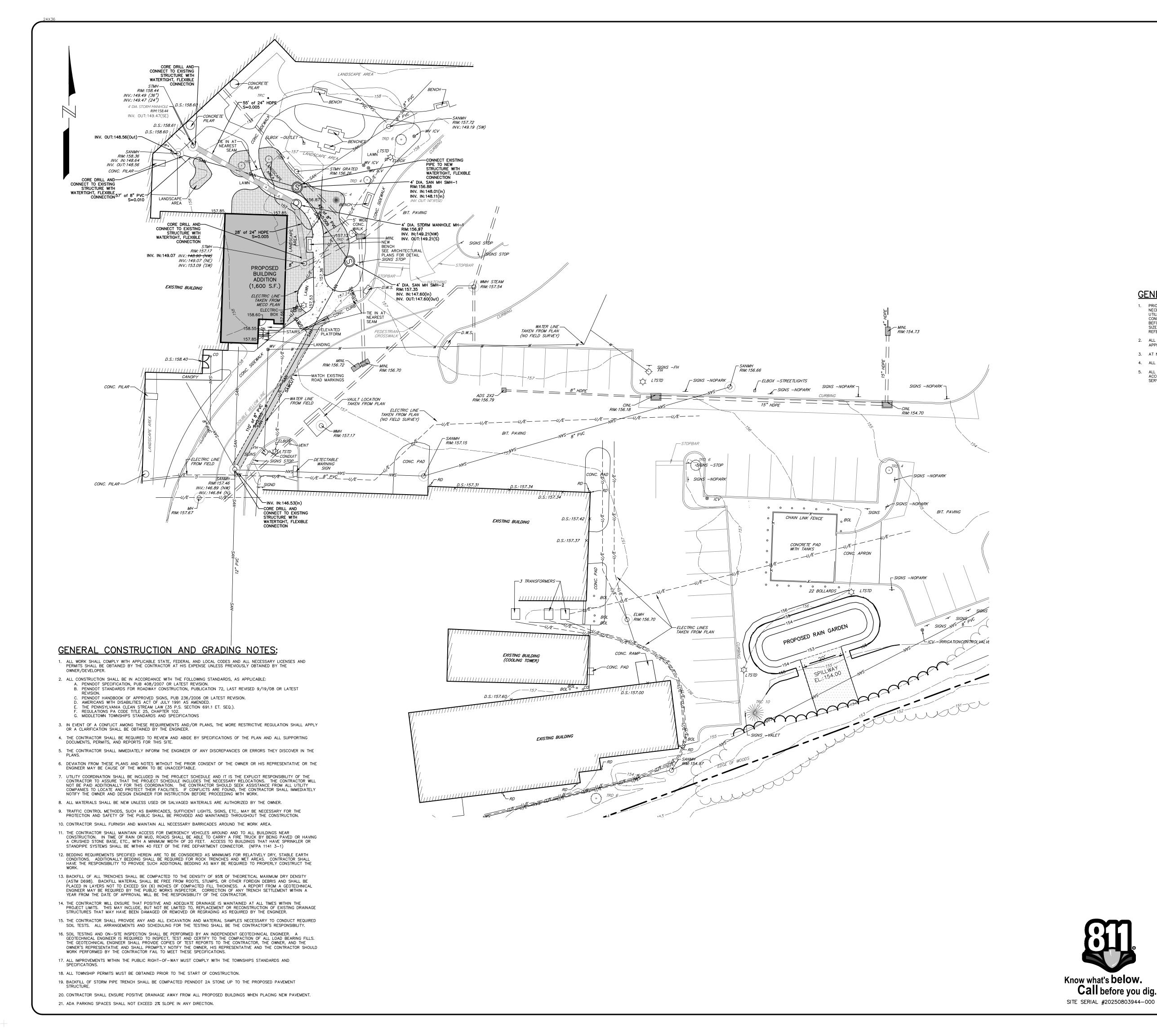
1 IN = 20 FT

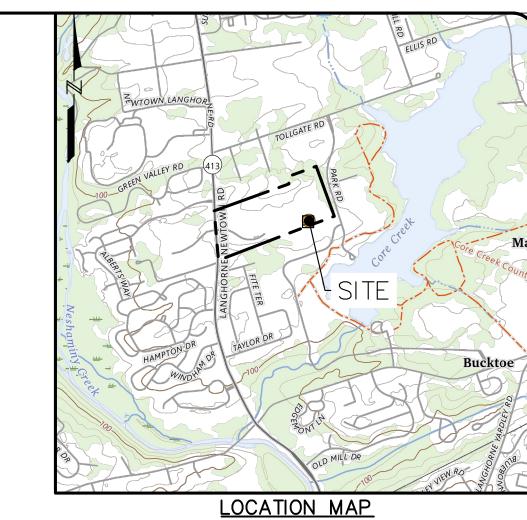




5/30/2025 CRS PTS 1"=20' APPRD: PTS P MGR: 1026825.000 PTS COPYRIGHT 2025

SHEET: 3 of 8



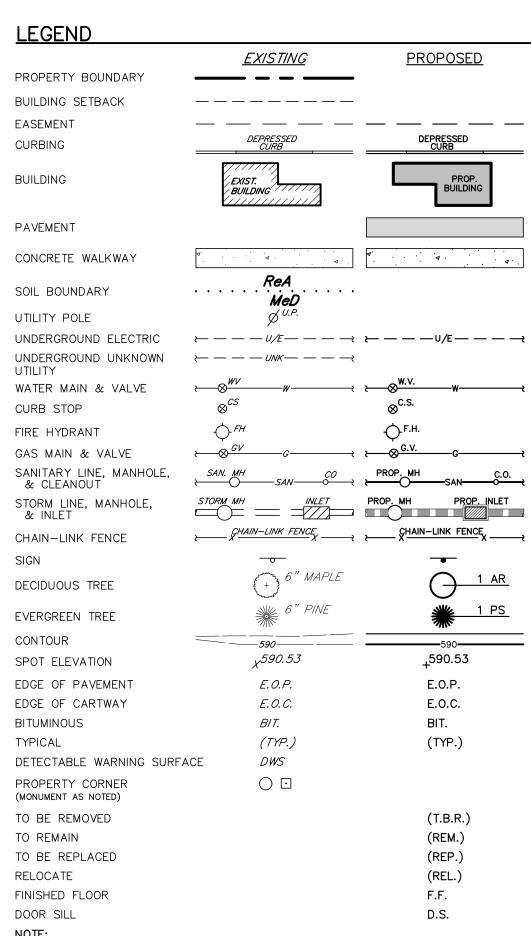


SCALE 1"=2000'

SOURCE: LANGHORNE, QUADRANGLE

GENERAL UTILITY NOTES:

- 1. PRIOR TO STARTING ANY CONSTRUCTION, CONTRACTOR SHALL COORDINATE, FIELD VERIFY, AND EXCAVATE TEST HOLES AS NECESSARY TO DETERMINE ACTUAL LOCATION AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES WHERE PROPOSED UTILITIES, STRUCTURES OR OTHER WORK WILL CROSS EXISTING UTILITIES OR STRUCTURES. ANY DISCREPANCIES OR CONFLICTS BETWEEN EXISTING UTILITIES AND APPURTENANCES AND PROPOSED WORK SHALL BE RESOLVED WITH ENGINEER BEFORE PROCEEDING WITH ANY WORK. PREPARE AND PROVIDE A SKETCH TO ENGINEER LEGIBLY OF UNDERGROUND UTILITIES AND APPURTENANCES AND MEASURED HORIZONTAL AND VERTICAL LOCATIONS REFERENCED TO PERMANENT SITE IMPROVEMENTS.
- 2. ALL HDPE PIPE SHALL BE SMOOTH BORE INTERIOR, CORRUGATED HIGH DENSITY POLYETHYLENE PIPING, ADS N12 ST IB OR APPROVED EQUAL (BELL AND SPIGOT JOINT). COUPLERS ARE NOT REQUIRED.
- 3. AT NO TIME SHALL STORM SEWER PIPE ENTER/EXIT THE CORNER OF INLET BOXES.
- 4. ALL PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- 5. ALL SANITARY SEWER CONSTRUCTION & VERTICAL/HORIZONTAL SEPARATION BETWEEN WATER SERVICES SHALL BE IN ACCORDANCE WITH THE TOWNSHIPS, DEPARTMENT OF PUBLIC WORKS REQUIREMENTS AND SPECIFICATIONS FOR SANITARY SERVICE INSTALLATION AND CONSTRUCTION.



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

DSGN: CRS 5/30/2025 SCALE: 1"=20' PTS DRAWN: APPRD: PTS P MGR: 1026825.000 COPYRIGHT 2025 SHEET: 4 of 8

Ŋ

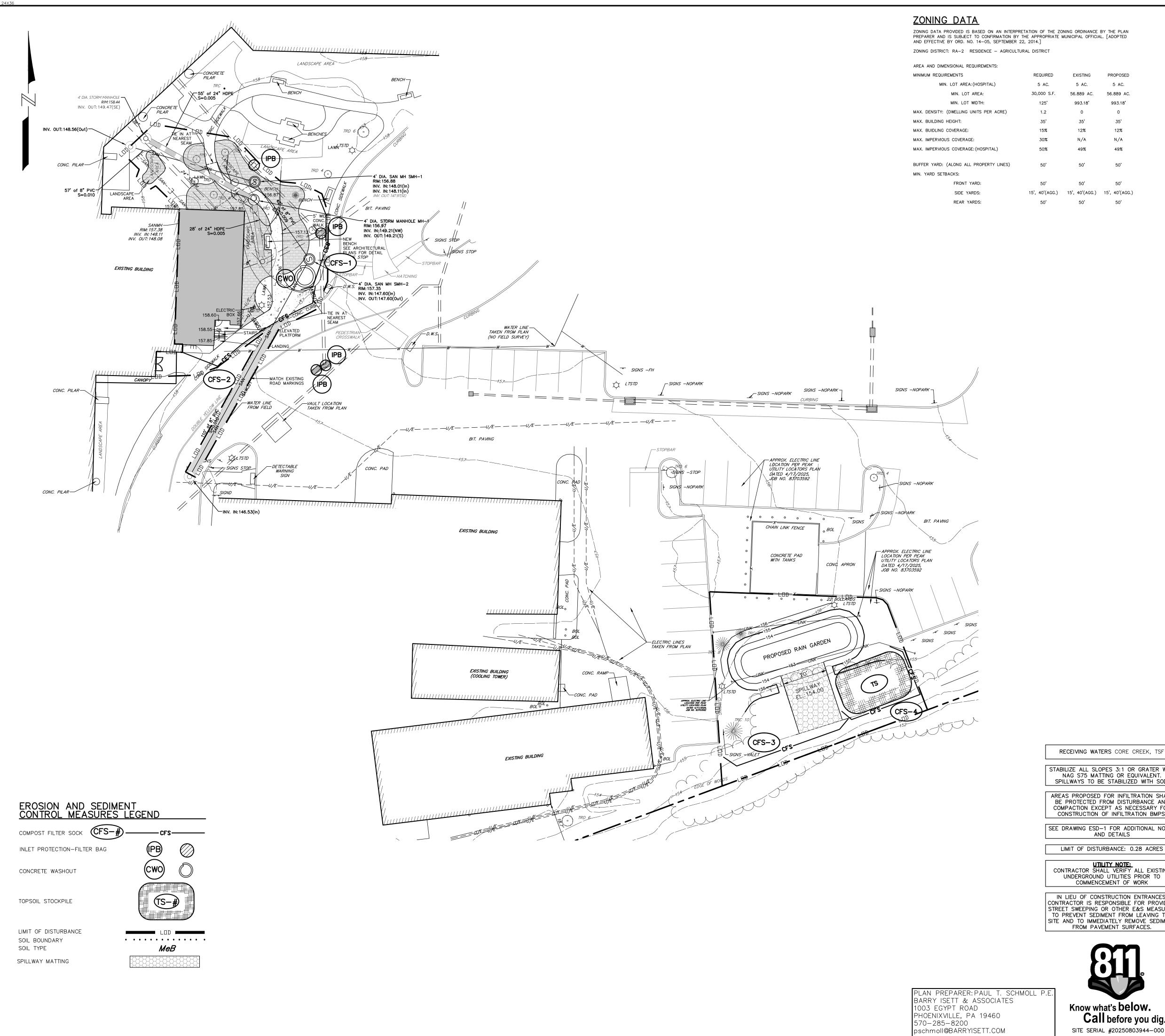
1 IN = 20 FT



SAINT MARY MEDICA MIDDLETOWN TOV BUCKS COUNTY

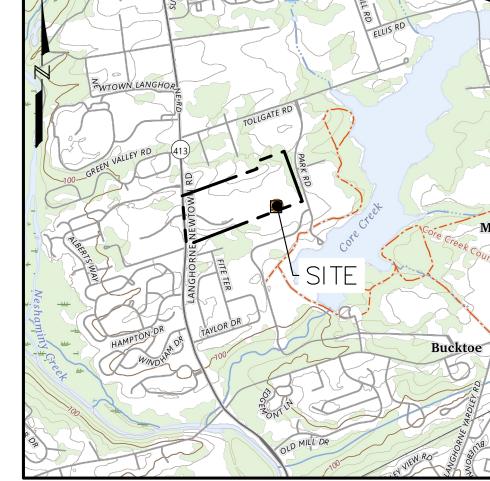
5/30/2025 PTS 1"=20'

1026825.000 COPYRIGHT 2025 SHEET: 5 of 8



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. [ADOPTED AND EFFECTIVE BY ORD. NO. 14-05, SEPTEMBER 22, 2014.]

MINIMUM REQUIREMENTS	REQUIRED	EXISTING	PROPOSE
MIN. LOT AREA: (HOSPITAL)	5 AC.	5 AC.	5 AC.
MIN. LOT AREA:	30,000 S.F.	56.889 AC.	56.889 AC
MIN. LOT WIDTH:	125'	993.18'	993.18
MAX. DENSITY: (DWELLING UNITS PER ACRE)	1.2	0	0
MAX. BUILDING HEIGHT:	35'	35'	35'
MAX. BUIDLING COVERAGE:	15%	12%	12%
MAX. IMPERVIOUS COVERAGE:	30%	N/A	N/A
MAX. IMPERVIOUS COVERAGE: (HOSPITAL)	50%	49%	49%
BUFFER YARD: (ALONG ALL PROPERTY LINES)	50'	50'	50'
MIN. YARD SETBACKS:			
FRONT YARD:	50'	50'	50'
SIDE YARDS:	15', 40'(AGG.)	15', 40'(AGG.)	15', 40'(AG
REAR YARDS:	50'	50'	50'



LOCATION MAP

SCALE 1"=2000' SOURCE: LANGHORNE, QUADRANGLE

SITE DATA

SAINT MARY MEDICAL CENTER SAINT MARY CONVENT 1201 LANGHORNE — NEWTON ROAD LANGHORNE, PA. 19047 SITE ADDRESS: DOCUMENT ID: DBV.: 2121, PG.: 0454 TAX MAP: 22-004-019 56.83 (DEED) TOTAL AREA:

NUMBER OF LOTS PUBLIC PUBLIC

SOIL CLASSIFICATIONS

URBAN LAND-DUFFIELD COMPLEX, 0 TO 8 PERCENT SLOPES URBAN LAND, 0 TO 8 PERCENT SLOPES

CHALFONT SILT LOAM, 0 TO 3 PERCENT SLOPES

STORM LINE, MANHOLE, & INLET

	<u>EXISTING</u>	PROPOSED
PROPERTY BOUNDARY		
BUILDING SETBACK		
EASEMENT		
CURBING	DEPRESSED CURB	DEPRESSED CURB
BUILDING	/ EXIST. / BUILDING	PROP. BUILDING
PAVEMENT		
CONCRETE WALKWAY	4 4	4. 4.
SOIL BOUNDARY	<i>ReA</i> <i>MeD</i>	
UTILITY POLE	Ø ^{U.P.}	
UNDERGROUND ELECTRIC	$\leftarrow \textit{U/E} \rightarrow$	\leftarrow — — — U/E — — — -
UNDERGROUND UNKNOWN UTILITY	\leftarrow — — UNK— — — \rightarrow	
WATER MAIN & VALVE	$\longleftarrow \otimes \stackrel{WV}{\longrightarrow} w \longrightarrow$	<u>₩. V.</u>
CURB STOP	\otimes^{CS}	⊗ ^{C.S.}
FIRE HYDRANT	→ FH	-Ç-F.H.
GAS MAIN & VALVE	$\longleftrightarrow GV \longrightarrow G \longrightarrow G$	€ G.V. G
SANITARY LINE, MANHOLE, & CLEANOUT	$\stackrel{SAN. \ MH}{\longleftarrow}$ $\stackrel{CO}{\longrightarrow}$	PROP. MH C.O.

INLET PROP. MH PROP. INLET

1 IN = 20 FT

RECEIVING WATERS CORE CREEK, TSF STABILIZE ALL SLOPES 3:1 OR GRATER WITH NAG S75 MATTING OR EQUIVALENT. SPILLWAYS TO BE STABILIZED WITH SOD.

AREAS PROPOSED FOR INFILTRATION SHALL
BE PROTECTED FROM DISTURBANCE AND
COMPACTION EXCEPT AS NECESSARY FOR CONSTRUCTION OF INFILTRATION BMPS.

SEE DRAWING ESD-1 FOR ADDITIONAL NOTES
AND DETAILS

UTILITY NOTE:

CONTRACTOR SHALL VERIFY ALL EXISTING
UNDERGROUND UTILITIES PRIOR TO
COMMENCEMENT OF WORK

IN LIEU OF CONSTRUCTION ENTRANCES, CONTRACTOR IS RESPONSIBLE FOR PROVIDING STREET SWEEPING OR OTHER E&S MEASURES
TO PREVENT SEDIMENT FROM LEAVING THE
SITE AND TO IMMEDIATELY REMOVE SEDIMENT FROM PAVEMENT SURFACES.





-	CHAIN-LINK FENCE	\longleftarrow $\stackrel{\mathcal{C}HAIN-LINK\ FENCE}{\longleftarrow}$ $\stackrel{\longleftarrow}{\longleftarrow}$	— XHAIN−LINK FENCEX
	SIGN	- 0 -	-
	DECIDUOUS TREE	6" MAPLE	1 AR
S	EVERGREEN TREE	6" PINE	1 PS
\neg	CONTOUR		590
<u> </u>	SPOT ELEVATION	_X 590.53	₊ 590.53
	EDGE OF PAVEMENT	E.O.P.	E.O.P.
	EDGE OF CARTWAY	E.O.C.	E.O.C.
	BITUMINOUS	BIT.	BIT.
	TYPICAL	(TYP.)	(TYP.)
G S	DETECTABLE WARNING SURFA	CE DWS	
.5 IT	PROPERTY CORNER (MONUMENT AS NOTED)	\bigcirc \Box	
	TO BE REMOVED		(T.B.R.)
	TO REMAIN		(REM.)
	TO BE REPLACED		(REP.)
	RELOCATE		(REL.)
	FINISHED FLOOR		F.F.
	DOOR SILL		D.S.
	NOTE: VERTICAL TEXT INDICATES PR SLANTED TEXT INDICATES EXI		
		<u>GRAPHIC</u>	<u>SCALE</u>

1026825.000 COPYRIGHT 2025 SHEET: 6 of 8

SCALE:

DRAWN:

5/30/2025

1"=20'

PLAN

THE EARTH CONSTRUCTION ACTIVITIES, PROPOSED BY THIS PLAN, HAVE BEEN PLANNED AND IMPLEMENTED TO THE MAXIMUM EXTENT PRACTICABLE, IN ACCORDANCE WITH THE FOLLOWING

- 1. MINIMIZE THE EXTENT AND DURATION OF THE EARTH DISTURBANCE.
- 2. MAXIMIZE PROTECTION OF EXISTING DRAINAGE FEATURES AND VEGETATION
- 3. MINIMIZE SOIL COMPACTION 4. UTILIZE OTHER MEASURES OR CONTROLS THAT PREVENT OR MINIMIZE THE GENERATION OF INCREASED

SEQUENCE OF CONSTRUCTION

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.

AT LEAST THREE DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-242-1766 FOR BURIED UTILITY IN NO CASE SHALL AN AREA EXCEEDING 15,000 SQUARE FEET, WHICH IS TO BE STABILIZED BY VEGETATION, REACH FINAL

GRADE WITHOUT BEING SEEDED AND MULCHED. IF WORK AT THE SITE CEASES FOR A PERIOD OF FOUR OR MORE DAYS, TEMPORARY STABILIZATION SHALL BE PROVIDED. 1. FIELD MARK THE LIMITS OF DISTURBANCE AND ANY ENVIRONMENTALLY SENSITIVE AREAS (I.E. RIPARIAN BUFFERS,

- WETLANDS, SPRINGS, AND FLOODWAYS).
- 2. INSTALL COMPOST FILTER SOCKS, INLET PROTECTION, TOPSOIL STOCKPILE, AND THE CONCRETE WASHOUT. 3. BEGIN GENERAL CLEARING AND GRUBBING OPERATIONS AND THE DEMOLITION OF STRUCTURES LABELED AS TO BE REMOVED (TBR).
- 4. STRIP TOPSOIL AND STOCKPILE BEFORE BEGINNING EXCAVATION OR GRADING. BEGIN ROUGH GRADING OPERATIONS. 5. BEGIN CONSTRUCTION OF PROPOSED STORM SEWER. STORM SEWER SHOULD BE INSTALLED FROM DOWNSTREAM TO UPSTREAM. IMMEDIATELY INSTALL INLET PROTECTION ON ALL NEWLY INSTALLED INLETS.
- 6. BEGIN CONSTRUCTION OF SITE IMPROVEMENTS. 7. FINAL GRADE, SPREAD TOPSOIL, RAKE, AND SEED ALL DISTURBED AREAS. TOPSOIL SHALL BE REPLACED ACROSS LAWN AREAS AT A MINIMUM THICKNESS OF 6 INCHES.
- 9. UPON COMPLETION OF GRADING AND CONSTRUCTION OPERATIONS, AND ALL AREAS HAVE ACHIEVED FINA STABILIZATION, REMOVE ALL COMPOST FILTER SOCKS AND ALL ACCUMULATED SEDIMENT. IMMEDIATELY STABILIZE THE AFFECTED AREAS. REMOVE INLET PROTECTION AND REMAINING E&S CONTROLS.

OPERATION AND MAINTENANCE PROGRAM

8. INSTALL SITE LIGHTING, SIGNAGE, AND SITE FURNISHINGS.

THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE, AND MAINTAIN ALL EROSION AND SEDIMENT POLLUTION CONTROL (E&S) BEST MANAGEMENT PRACTICES (BMPS) IDENTIFIED HEREIN. E&S BMPS SHALL BE MAINTAINED IN ACCORDANCE WITH THIS E&S PLAN AND THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL (E&S MANUAL), MARCH 2012.

E&S BMPS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF, UNLESS OTHERWISE INDICATED. THE CONTRACTOR SHALL KEEP RECORD OF ALL INSPECTIONS USING THE VISUAL SITE INSPECTION REPORT FORM (FORM 3150-FM-BWEW0083). E&S BMPS WHICH NEED REPAIR OR REPLACEMENT, SHALL BE REMEDIED IMMEDIATELY. DISPOSAL OF MATERIALS REMOVED FROM THE BMPS SHALL BE PERFORMED IN ACCORDANCE WITH THE RECYCLING OR DISPOSAL OF

STANDARD E&S 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 THOS CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND
- 2. 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 UNDERGROUND UTILITIES.
- 3. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THE SEQUENCE MUST BE APPROVED IN WRITING FROM THE E&S PLAN PREPARER PRIOR TO IMPLEMENTATION.
- 4. 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 THE E&S PLAN.
- 6. AT NO TIMES SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS. THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H: 1V OR
- 8. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE E&S PREPARER
- 9. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET. SEQ., 271.1 AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- 10. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER OF ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BY QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
- 12. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER DISTURBED VEGETATED AREAS.
- 13. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY.
 MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT
 AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY F THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED
- 14. A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY
- 15. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE
- 16. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN
- 17. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES 6 TO 12 INCHES ON COMPACTED SOILS PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A
- 18. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- 19. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- 20. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- 21. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO
- 22. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- 23. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- 24. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- 25. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN AN AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- 26. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- 27. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT
- 28. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE BMPS SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL TO BE DONE ONLY DURING THE
- 29. FAILURE TO CORRECTLY INSTALL E&S BMPS, FAILURE TO PREVENT SEDIMENT—LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPS MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.

THE OPERATOR MUST USE ENVIRONMENTAL DUE DILIGENCE TO ENSURE THAT ALL FILL MATERIAL ASSOCIATED WITH THE PROJECT QUALIFIES AS CLEAN FILL.

CLEAN FILL IS DEFINED AS UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, 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 THE 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.)

ENVIRONMENTAL DUE DILIGENCE TO ENSURE ALL FILL IS "CLEAN", AS DEFINED ABOVE, SHALL INCLUDE, BUT NOT BE LIMITED TO, INVESTIGATIVE TECHNIQUES SUCH AS VISUAL PROPERTY INSPECTIONS, FIFCTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION 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 SUBJECTED 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. ALL TESTING SHALL BE PREFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY OF "MANAGEMENT OF

RECYCLING OR DISPOSAL OF MATERIALS CONSTRUCTION WASTES FROM INSTALLATION OF THE MUNICIPAL IMPROVEMENTS SHALL BE DISPOSED OF BY

Project Name: St. Mary Medical Center MRI Expansion

THE CONTRACTOR IN AREAS SUITABLE FOR SUCH WASTES IN ACCORDANCE WITH DEPARTMENT OI ENVIRONMENTAL PROTECTION REGULATIONS. EXCESS SOIL/ROCK SHALL BE UTILIZED ON SITE TO IMPROVE FINAL GRADING OF LOW AREA LOTS. THE OPERATOR SHALL ASSURE THAT AN EROSION AND SEDIMENT CONTROL PLAN HAS BEEN PREPARED, APPROVED BY THE CONSERVATION DISTRICT AND IS BEING IMPLEMENTED AND MAINTAINED FOR ALL

Job #: 1026825.000 SOILS LIMITATIONS & RESOLUTIONS SHEET

SOIL/ROCK SPOIL 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 PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION RULES AND REGULATIONS.

SEDIMENT REMOVED FROM ESPCP AND/OR PCSM 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:

 PAVEMENT COMPONENTS OLD OR DAMAGED UTILITY CONVEYANCE FACILITIES (I.E. PIPE, WIRE, TUBING, ETC.)

NOTES:

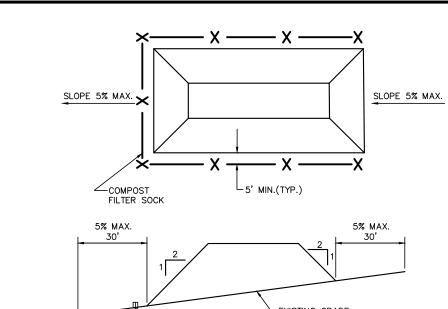
1. OVER EXCAVATE SINKHOLE THROAT TO REMOVE ALL SOIL . SHOULD SINKHOLE THROAT OR FRACTURED BEDROCK BE

- ENCOUNTERED IN BOTTOM OF EXCAVATION, HIGH SLUMP
 LEAN CONCRETE OF FLOWABLE FILL SHOULD BE PLACED IN
 HOLE SUFFICIENT TO PLUG THROAT OR FRACTURES. 3. IF NO THROAT OR BEDROCK IS ENCOUNTERED EXCAVATE UNTIL FIRM SOIL IS ENCOUNTERED ON ALL SIDES AND BOTTOM OF EXCAVATION.

 4. AFTER LEAN CONCRETE OR GROUT CURES, 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
- EXCAVATION AS SHOWN.
 6. 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 PA LICENSED PROFESSIONAL GEOLOGIST OR PROFESSIONAL ENGINEER EXPERIENCED WITH KARST GEOLOGY AND FAMILIAR WITH SITE AND FOUNDATION

5. INSTALL BENTONITE CLAY/SOIL CAP 10' BEYOND THE

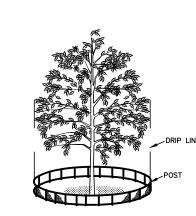
SINKHOLE MITIGATION DETAIL



NOTES:

1. PLACE STOCKPILES AT LOCATIONS SHOWN ON PLAN. 2. STOCKPILE TO BE SEEDED 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'.

5. INSTALL 12" COMPOST FILTER SOCK IMMEDIATELY DOWNSLOPE OF



 FENCING SHALL BE INSTALLED AT THE DRIP LINE (MIN. 5 FEET FROM TREE TRUNK).
 BOARDS SHALL NOT BE NAILED TO TREES DURING CONSTRUCTION.
 FEEDER ROOTS SHALL NOT BE CUT IN AREA INSIDE THE DRIP LINE. 3. FEEDER ROOTS SHALL NOT BE CUT IN AREA INSIDE THE DRIP LINE.

4. THE CONTRACTOR SHALL NOT ENCROACH ONTO AREAS DELINEATED AS TREE PROTECTION.

5. THE STORAGE OF EQUIPMENT OR MATERIALS IN THIS AREA IS STRICTLY FORBIDDEN.

6. THE SILT FENCE ERECTED AT THE TREE PROTECTION LINE SHALL BE MAINTAINED AT ALL

7. TIMES DURING THE CONSTRUCTION PROCESS AND SHALL NOT BE CROSSED.

7. REFER TO PLAN SHEETS FOR LOCATION OF WOODS AND TREES TO REMAIN. ALL

7. THE STOREMAIN WHICH ARE ADJACENT TO CONSTRUCTION AREAS SHALL BE

7. PROTECTED IN ACCORDANCE WITH THIS DETAIL.

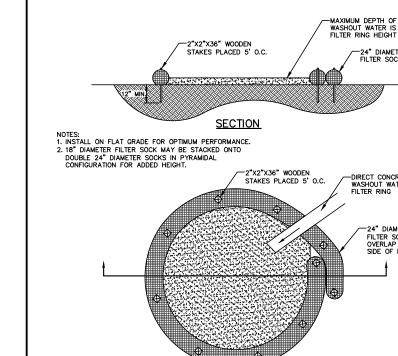
8. NO CLEARING, EARTHMOVING, OR CONSTRUCTION SHALL COMMENCE PRIOR TO

8. IN CLEARING, EARTHMOVING, OR CONSTRUCTION SHALL EXISTING TREES.

7. A. A. BINCH HICH WOODEN, OR PLASTIC FENCE WITH POSTS ON 8 FOOT

A 48 INCH HIGH WOODEN OR PLASTIC FENCE WITH POSTS ON 8 FOOT CENTER TO CENTER (MAXIMUM) SHALL BE INSTALLED AROUND EACH EXISTING TREE PRIOR TO START OF CONSTRUCTION (TYPICAL FOR ALL TREES).

TREE PROTECTION/CONSTRUCTION FENCE DETAIL



A SUITABLE IMPERVIOUS GEOMEMBRANE SHALL BE PLACED AT THE LOCATION OF THE WASHOUT PRIOR TO THE INSTALLING SOCKS. COMPOST SOCK WASHOUT DETAIL #3-18

NOT TO SCALE

RVOIR AREAS DETAILS FOR INLETS, PIPES & SWALE UII DING SITES INKHOLE REPAIR DETAILS INER FOR DETENTION BASINS / PONDS RELOCATE BASIN LIMIT DETENTION TIME REVISE DESIGN - RELOCATE ROADWA DEPTH TO BEDROCK SERVOIR AREAS REVISE DESIGN - RELOCATE T ALWAYS POSSIBLI VERSIONS - WATERWA VEGETATIVE STABILIZATION | SOIL TEST: DJUST SOILS IMPLEMENTS AS NEEDE LOW FERTILITY XCESSIVE DRYNES SELECT FILL MATERIAL FROM OTHER AREA OF SITE ERVOIR AREAS HIGH WATER TABLE SEE SEEDING WORKSHEETS AND DETAIL SHEET NOTES ELECT APPROPRIATE PLANT MIXTURE OVIDE PUMPED WATER SEDIMENT REMOVAL FLOODING EMBANKMENTS RAINAGE CHANNELS - UNDERDRAIN BUILDING SITES SEE CONSTRUCTION SCHEDULE ROST ACTION COMPACTION SELECT FILL MATERIAL FROM OTHER AREA OF SITE MPORT BORROW MATERIAL FROM OFFSITE EE CHANNEL WORKSHEET CALCULATIONS **TERRACES** GRASSES WITH GREATER RETARDANCE SEE DETAIL SHEET REVISE CHANNEL GEOMETRY (SLOPE, WIDTH) SLOPE PROTECTION

SPECIFICATION: THE FOLLOWING SPECIFICATION SHALL BE USED FOR THIS PROJECT UNLESS OTHERWISE NOTED. Penn State College of Agricultur

PRIOR TO STARTING EARTH DISTURBANCE, CONTRACTOR SHALL SAMPLE THE SITE TOPSOIL AND OBTAIN A SOIL TEST FROM A REPUTABLE LABORATORY. AT A MINIMUM, THE TEST SHALL INCLUDE SOIL pH, COMPOSITION, AND % ORGANICS

BEFORE PLACING TOPSOIL, PREPARE SUBGRADE TO A DEPTH 6" BELOW FINAL GRADE. SCARIFY SUBGRADE WITH DEEP TIME PLOW. SCREEN TOPSOIL AND UNIFORMLY BLEND IN 20–25% BY VOLUME LEAF MOULD OR PROCESSED MUSHROOM SUBSTRATE. SPREAD AMENDED/SCREENED TOPSOIL OVER SUBGRADE TO OBTAIN FINISHED GRADE. COMPACT SURFACE TO 80-85% COMPACTION. DO NOT OVER COMPACT.

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 TEST) INTO THE TOP $4-6{\rm ''}$ OF TOPSOIL. IF SOIL TESTS ARE NOT AVAILABLE, APPLY ONE TON PER ACRE OF AGRICULTURAL LIMESTONE AND 10-10-10 FERTILIZER

METHOD: APPLY SEED USING SURFACE BROADCASTING OR HYDROSEEDING.

<u>SEASON</u>	SPECIES	RATE (LB./ACRE)
PRING IARCH 15 TO JUNE 15)	ANNUAL RYEGRASS or SPRING OATS	40 96
JMMER UNE 16 TO AUGUST 15)	ANNUAL RYEGRASS	40
LL UGUST 16 TO NOVEMBER 1)	ANNUAL RYEGRASS or WINTER RYE	40 168
CELLULOSE FIBER TACKIF	R 3/4-1" DEEP. USE THAN STRAW ON STEEP SLOPES. APPLY FIER OVER STRAW MULCH AT A RATE ACRE. HYDROMULCHING IS ACCEPTABLI	

PERMANENT COVER FOR STABILIZATION ALL DISTURBED AREAS TO BE PREPARED AND SEEDED WITH THE FOLLOWING SPECIES AT THE NOTED SEEDING

SEEDING DATES: MARCH 15 - MAY 1

AUGUST 15 - OCTOBER 15 SITE PREPARATION: INCORPORATE LIME AND FERTILIZER (RATE BASED ON SOIL TEST) INTO THE TOP 6" OF TOPSOIL. IF SOIL TESTS ARE NOT AVAILABLE, APPLY SIX TONS PER ACRE F AGRICULTURAL LIMESTONE AND 10-20-20 FERTILIZER AT 1,000 LB PER ACRE.

MULCHING: APPLY THREE TONS PER ACRE OF STRAW TO ACHIEVE A LOOSE LAYER 3/4-1" DEEP. USE JUTE MATTING RATHER THAN STRAW ON STEEP SLOPES. APPLY ELLULOSE FIBER TACKIFIER OVER STRAW MULCH AT A RATE F 800-1000 LBS. PER ACRE. HYDROMULCHING IS ACCEPTABLE WHEN BLOWING OF STRAW IS A CONCERN.

METHOD: APPLY SEED USING DRILL FITTED WITH A DEPTH BAND AND PACKER WHEEL. PLANT GRASS SEEDS AT 0.25 TO 0.5 INCHES DEEP. WHEAT, RYE AND OATS MAYBE 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 RUBA RUBA/COMMUTATA	4 1.5) 2.5
SLOPES AND BANKS CHEWINGS FESCUE (FESTUCA RUBRA COMMUTATA) and BLUE FESCUE (FESTUCA OVINA GLAUCA) and HARD FESCUE (FESTUCA OVINA DURIUSCULA) and CREEPING RED FESCUE (FESTUCA RUBRA RUBRA) and SLENDER FESCUE (FESTUCA RUBRA TRICHOPHYLLA) and DAWSON RED FESCUE (FESTUCA RUBRA DAWSON) and ANNUAL RYEGRASS (FESTUCA MULTIFLORUM)	2 2 1 1 1 1 0.5
DRAINAGE DITCHES, DETENTION BASIN (MOWED) ANNUAL RYEGRASS and REDITOR (ACROSTIS ALBA) and	2

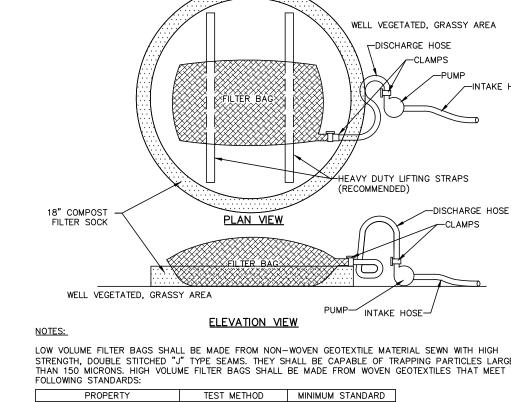
TALL FESCUE (FESTUCA ARUNDINACEA) and SWITCHGRASS (PANICUM VIRGATUM) DETENTION BASIN (ONE MOWING ANNUALLY) REDTOP (AGROSTIS ALBA) and CREEPING BENTGRASS (AGROSTIS STOLONIFERA) and RIVERBANK WILD RYE (ELYMUS RIPARIUS) and FOWL BLUEGRASS (POA PALUSTRIS) and ALKALIGRASS (PUCCINELLIA DISTANS) and ANNUAL RYEGRASS

* ALL SEED TO BE MIN. 98% PURE LIVE SEED.

SUGGESTED VARIETIES

TALL FESCUE

RELIANT II, SR3100, DISCOVERY, OSPREY Houndog V, Montauk, Marksman, and Apache II ARCOOSTOOK OR BALBO TYPE KENTUCKY BLUEGRASS - SR 2109, NORTH STAR, BLACKSBURG, BRILLIANT



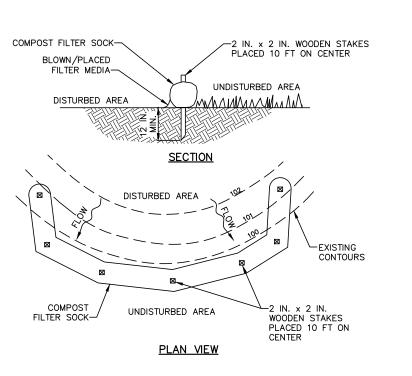
RENGTH, DOUBLE STITCHED "J IAN 150 MICRONS. HIGH VOLUI DLLOWING STANDARDS:			
PROPERTY	TEST METHOD	MINIMUM STANDARD	
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN	
GRAB TENSILE	ASTM D-4632	205 LB	
PUNCTURE	ASTM D-4833	110 LB	
MULLEN BURST	ASTM D-3786	350 PSI	

UV RESISTANCE ASTM D-4355
AOS % RETAINED ASTM D-4751 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 GEÓTEXTILE UNDERLAYMENT AND FLOW PATH SHALL 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. 18" COMPOST FILTER SOCK SHOULD SURROUND THE FILTER BAG WITH A MINIMUM DISTANCE OF 4' BETWEEN THE BAG AND THE FILTER SOCK.

THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED. FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

> MODIFIED STANDARD CONSTRUCTION DETAIL #3-16 PUMPED WATER FILTER BAG



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 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 BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

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

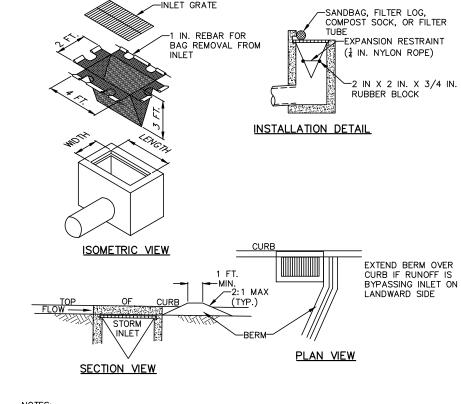
UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

	Compost		BLE 4.1 Minimum	Specifications	
Material Type	3 mil HDPE	5 mil HDPE	5 mil HDPE	Multi-Filament Polypropylene (MFPP)	Heavy Duty Multi-Filament Polypropylene (HDMFPP)
Material haracteristics	Photo- degradable	Photo- degradable	Bio- degradable	Photo- degradable	Photo- degradable
Sock Diameters	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
Mesh opening	3/8"	3/8"	3/8"	3/8"	1/8"
Tensile Strength		26 psi	26 psi	44 psi	202 psi
Ultraviolet Stability% Original Strength ASTM G-155)	23% at 1000 hr.	23% at 1000 hr.		100% at 1000 hr.	100% at 1000 hr.
Miinimum Functional Longevity	6 months	9 months	6 months	1 year	2 years
		Two-ply	systems		
Inner Co	ontainment N	etting	7 Fus	HDPE biaxial n Continuously wo ion—welded jun 3/4" Max. aper	und ctures ture sixe
Composite Polypropylene Fabric (Woven layer and non-woven fleece mechanically fused via needle punch) 3/16* Max aperture size					
Sock Fabrics	composed of b	ourlap may be	used on pro	jects lasting 6 m	nonths or less.
TABLE 4.2 Compost Standards					

NOTES:

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.

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



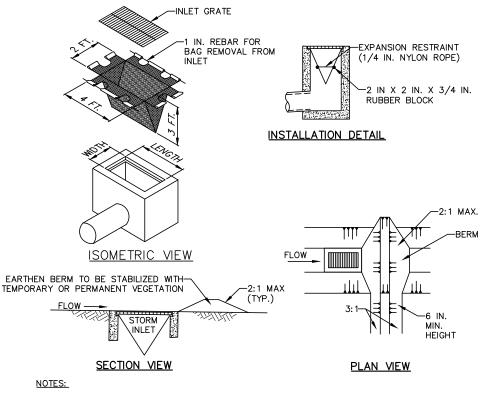
MAXIMUM DRAINAGE AREA = 1/2 ACRE.

NLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS. ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT. AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 5 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.

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

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

STANDARD CONSTRUCTION DETAIL #4-15 FILTER BAG INLET PROTECTION - TYPE C INLET



MAXIMUM DRAINAGE AREA = 1/2 ACRE. INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS. OLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR

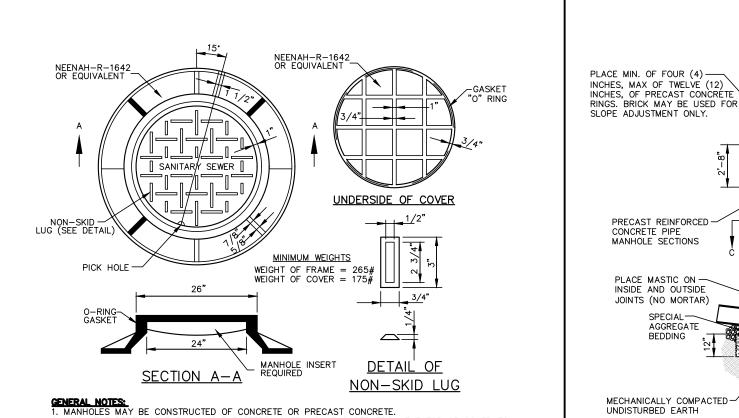
AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET.

DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS. STANDARD CONSTRUCTION DETAIL #4-16 FILTER BAG INLET PROTECTION - TYPE M INLET

MIDDLE ∞ NO O

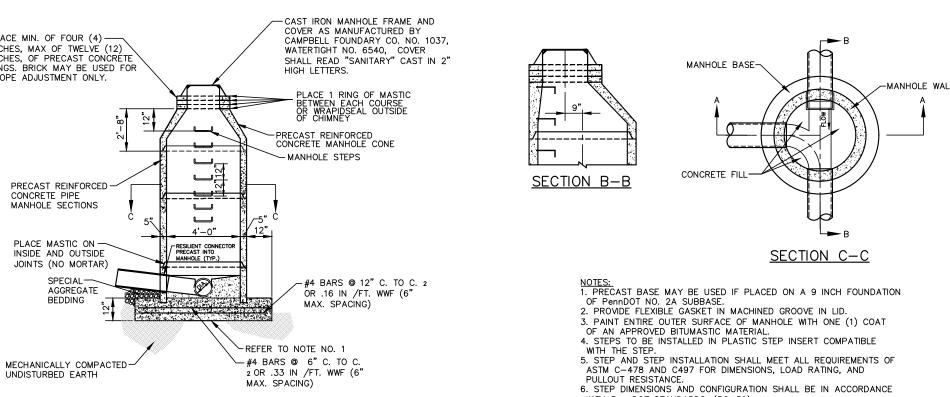
DSGN: 5/30/2025 CRS CALE: N.T.S PTS DRAWN: APPRD: MTG PTS P MGR: 1026825.000 COPYRIGHT 2025 SHEET: 7 of 8



1. MANHOLES MAY BE CONSTRUCTED OF CONCRETE OR PRECAST CONCRETE.
2. WHEN THE DEPTH OF THE MANHOLE EXCEEDS 10 FT. AS MEASURED FROM THE TOP OF COVER TO INVERT, WALLS OF BRICK, CONCRETE BLOCK BELOW A DEPTH OF 8 FT. SHALL BE 12" THICK. THE OVERALL HORIZONTAL DIMENSIONS SHALL BE INCREASED 12" AND THE DEPTH OF THE FOUNDATION INCREASED TO 12". WHEN ROCK IS ENCOUNTERED THE HORIZONTAL DIMENSION AND THE DEPTH OF THE FOUNDATION SHALL NOT BE INCREASED. THE THICKNESS OF PRECAST CONCRETE MANHOLE WALLS DOES NOT HAVE TO BE INCREASED IF THE DEPTH OF THE MANHOLE EXCEEDS 10.

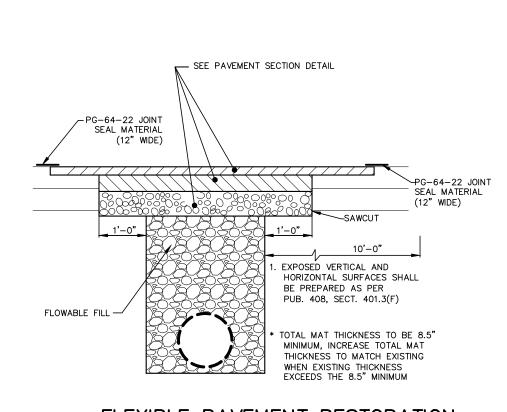
3. CASTINGS OF PRECAST MANHOLES SHALL BE ADJUSTED TO GRADE WITH COURSES OF BRICK OR CONCRETE BLOCK, AS REQUIRED, 12' MAXIMUM.

4. AS AN ALTERNATE TO THE STANDARD MANHOLE FRAME AND COVER A 39" DIAMETER FRAME WITH 4" FLANGE MAY BE FURNISHED WITH ALL OTHER DIMENSIONS AND WEIGHTS REMAINING THE SAME. STANDARD MANHOLE FRAME AND COVER



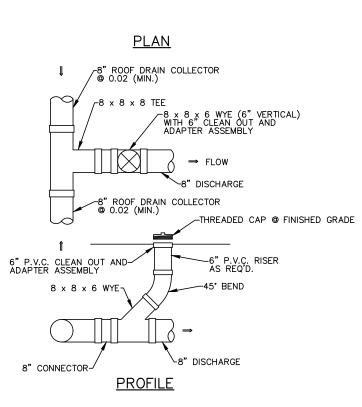
SANITARY SEWER STANDARD PRECAST CONCRETE PIPE MANHOLE N.T.S.

SECTION A-A

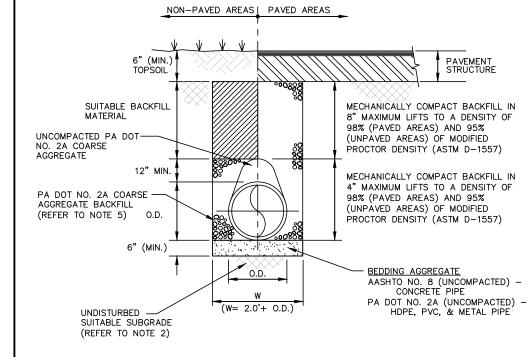


FLEXIBLE PAVEMENT RESTORATION

REFER TO PENNDOT RC-30M, LATEST EDITION



RAIN WATER CLEANOUT



NOTES:

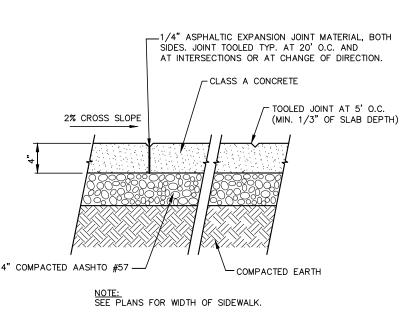
1. EXCAVATE TRENCH BOX AND INSTALL SHORING AS REQUIRED TO COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND CODES.

2. IF UNSUITABLE MATERIAL IS FOUND, UNDERCUT AS DIRECTED BY THE ENGINEER AND BACKFILL WITH SUITABLE MATERIAL TO BOTTOM OF BEDDING ELEVATION.

3. KEEP EXCAVATINGS DRY AND FREE OF WATER. INTERCEPT AND DIVERT SURFACE DRAINAGE AWAY FROM EXCAVATIONS. DEWATER 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 SANITARY PIPE TRENCH & BACKFIL NOT TO SCALE

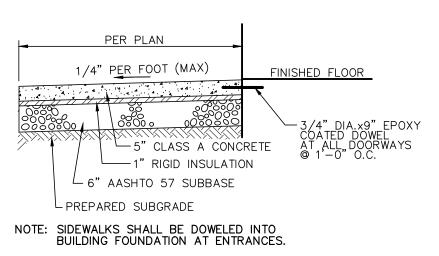


SIDEWALK DETAIL

TYPICAL CONCRETE NOTES:

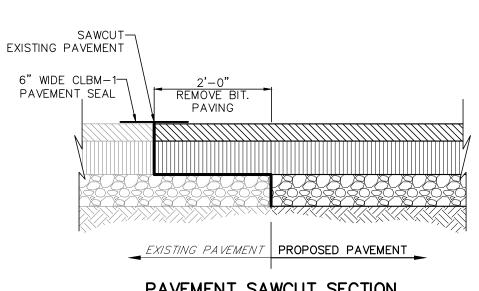
1. TOOL ALL EDGES 2. 1/4" PER FT. CROSS SLOPE (UNLESS SPECIFIED OTHERWISE). 3. LIGHT BROOM FINISH (UNLESS SPECIFIED OTHERWISE). 4. 1/2" PREMOLDED EXPANSION JOINT MATERIAL. JOINT TOOLED TYP. AT 20' O.C. AND AT INTERSECTIONS OR AT CHANGE OF DIRECTION (UNLESS SPECIFIED OTHERWISE). 5. TOOLED CONTROL JOINT 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. . 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) 8. REFER TO PROJECT SPECIFICATION FOR COMPACTION

REQUIREMENTS OF STONE & SUBBASE FOR ALL CONCRETE

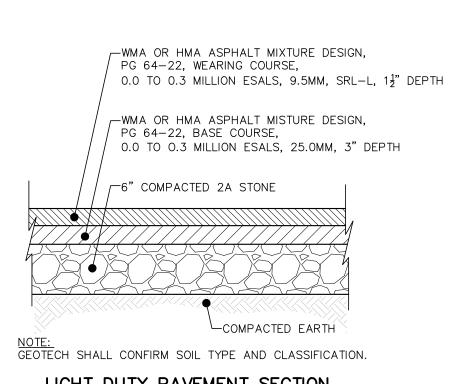


WITH PennDOT STANDARDS, (RC-39).

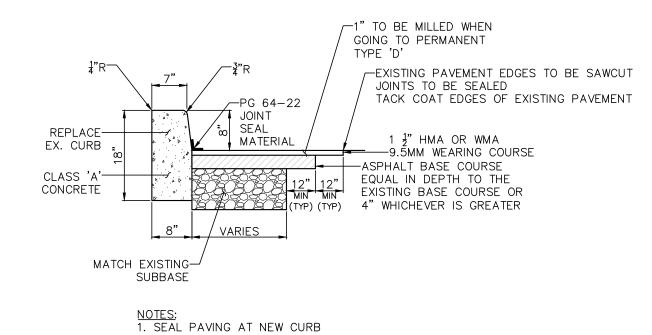
CONCRETE SIDEWALK @ ADJACENT TO BUILDING



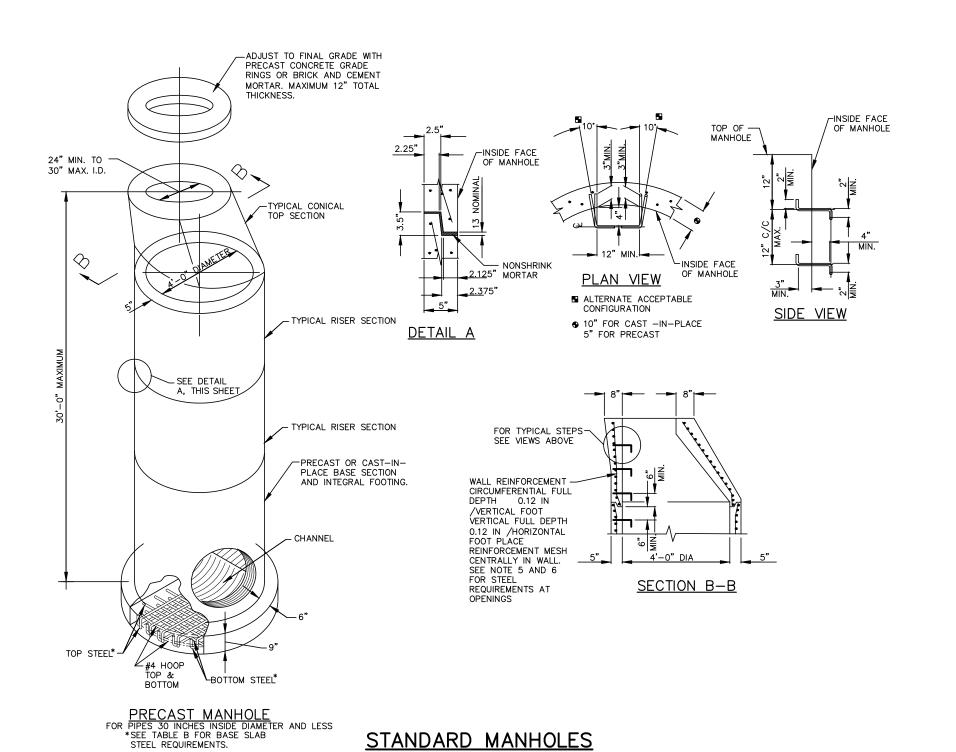
PAVEMENT SAWCUT SECTION



LIGHT DUTY PAVEMENT SECTION

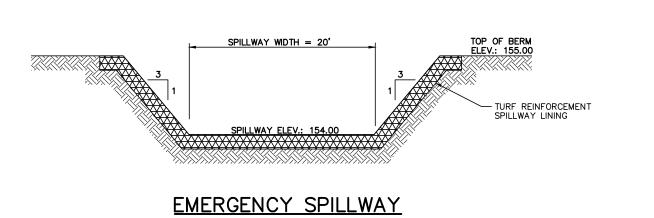


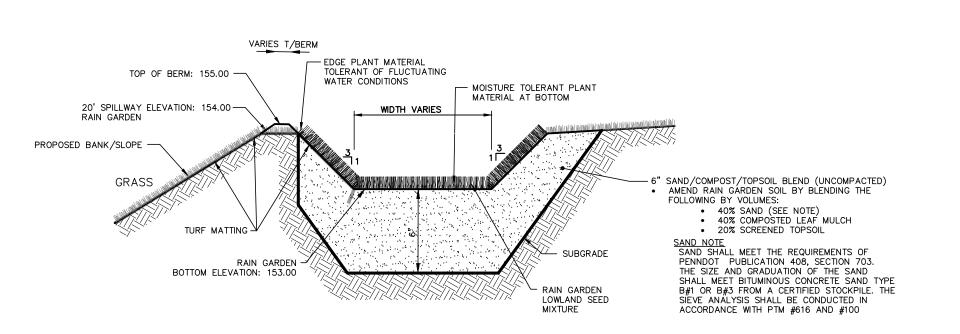
2. FOR ALL CURB WITHIN PUBLIC RIGHT-OF-WAY 3. USE 3,500 PSI AIR-ENTRAINED CONCRETE. 4. USE CLASS "A" CONCRETE.



WALKWAYS.

STANDARD MANHOLES & PRECAST MANHOLES (FOR DETAILED INFORMATION REFERENCE PennDOT RC-39m)





NOTE: TURF REINFORCEMENT MATTING SHALL BE PLACED ON THE SPILLWAY OF THE RAIN GARDEN. THE MATTING SHALL EXTEND THE WIDTH OF THE SPILLWAY AND FROM THE BOTTOM OF THE RAIN GARDEN TO RAIN GARDEN CROSS SECTION

454

CRS 5/30/2025 SCALE: PTS N.T.S DRAWN: PTS P MGR: PTS 1026825.000 COPYRIGHT 2025

SHEET: 8 of 8