

GENERAL NOTES:

1. SITE ADDRESS: 1122 EAST BALTIMORE PIKE CHADDS FORD, PA 19317
- OWNER: LONGWOOD GARDENS 1001 LONGWOOD ROAD KENNETT SQUARE, PA 19348 PHONE: (610) 388-1000
- APPLICANT: LONGWOOD GARDENS 1001 LONGWOOD ROAD KENNETT SQUARE, PA 19348
2. THE PURPOSE OF THIS PLAN IS TO DEPICT THE CONSTRUCTION OF A NEW 66,400-SF GREENHOUSE, 14,835-SF HEAD HOUSE, ACCESS ROAD, PARKING AND ASSOCIATED SITE IMPROVEMENTS.
3. THIS SITE IS CURRENTLY ZONED R-2, RESIDENTIAL IN KENNETT TOWNSHIP. FOR COMPLETE ZONING INFORMATION PLEASE REFER TO THE ZONING CODE OF KENNETT TOWNSHIP AS CURRENTLY AMENDED.
4. THE EXISTING TOPOGRAPHICAL FEATURES WERE OBTAINED FROM A SURVEY PERFORMED BY REGISTER ASSOCIATES INC IN 2009 AS WELL AS AERIAL PHOTOGRAPHY. THE ELEVATIONS SHOWN ARE BASED ON NAVD83.
5. BY GRAPHIC PLOTTING ONLY, SUBJECT PARCEL AREA IS LOCATED IN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN) OF THE FLOOD INSURANCE RATE MAP, PANEL NO. 300 OF 380, COMMUNITY MAP NO. 420920230300 WHICH BEARS AN EFFECTIVE DATE OF SEPTEMBER 29, 2017. NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THIS ZONE.
6. UNLESS SPECIFICALLY STATED OR SHOWN HERETO TO THE CONTRARY, THE SURVEY IS MADE SUBJECT TO AND DOES NOT LOCATE OR DELINEATE:
 - A. RIGHTS OR INTERESTS OF THE UNITED STATES OF AMERICA OR COMMONWEALTH OF PENNSYLVANIA OVER LANDS NOW OR FORMERLY FLOWED BY TIDEWATER BUT NO LONGER VISIBLE OR PHYSICALLY EVIDENT, OR LANDS CONTAINING ANY ANIMAL, MARINE, OR BOTANICAL SPECIES REGULATED BY OR UNDER THE JURISDICTION OF ANY FEDERAL, STATE, OR LOCAL AGENCY.
 - B. BUILDING SETBACK LINES, ZONING REGULATIONS OR LINES ESTABLISHED BY ANY FEDERAL, STATE OR LOCAL AGENCY WHICH MAY AFFECT THE BUILDING OR DEVELOPMENT POTENTIAL OF THE SUBJECT PROPERTY.
 - C. ANY SUBSURFACE OR SUBTERRANEAN CONDITION, EASEMENTS OR RIGHTS INCLUDING BUT NOT LIMITED TO MINERAL OR MINING RIGHTS, OR THE LOCATION OF OR RIGHTS TO ANY SUBSURFACE STRUCTURES, CONTAINERS OR FACILITIES OR ANY OTHER NATURAL OR MAN-MADE SUBSURFACE CONDITION WHICH MAY OR MAY NOT AFFECT THE USE OR DEVELOPMENT POTENTIAL OF THE SUBJECT PROPERTY.
7. LOCATIONS OF ON AND OFF SITE UTILITIES AS SHOWN ARE APPROXIMATE AND MAY OR MAY NOT BE COMPLETE. THE NATURE AND EXACT LOCATION OF EXISTING UTILITIES SHOULD BE VERIFIED PRIOR TO INITIATING ANY ACTIVITY THAT MAY AFFECT THEIR USE OR LOCATION.
 - A. THE LOCATION OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM EXISTING UTILITY RECORDS AVAILABLE AT THE TIME THESE PLANS WERE PREPARED AND FROM SURFACE OBSERVATION OF THE SITE.
 - B. COMPLETENESS OR ACCURACY OF LOCATION AND DEPTH OF UNDERGROUND UTILITIES AND STRUCTURES IS NOT GUARANTEED.
 - C. IN ACCORDANCE WITH PA ACT 287 OF 1974 AS AMENDED BY PA ACT 121 OF 2008 ENTITLED "UNDERGROUND UTILITY LINE PROTECTION LAW", THE CONTRACTOR SHALL NOTIFY ALL UTILITIES WITHIN THE WORK AREA VIA THE PENNSYLVANIA ONE CALL SYSTEM, INC. (800-242-1776) A MINIMUM OF 3 WORKING DAYS BEFORE THE START OF EXCAVATION.
 - D. THE CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF ALL UNDERGROUND UTILITIES AND STRUCTURES BEFORE THE START OF WORK.
8. REFERENCE IS MADE TO PENNSYLVANIA ONE CALL SYSTEM, ASSIGNED SERIAL NUMBER 201810335-000 IN ACCORDANCE WITH PA ACT 287 OF 1974 AS AMENDED BY PA ACT 121 OF 2008 ENTITLED "UNDERGROUND UTILITY LINE PROTECTION LAW". THE CONTRACTOR SHALL NOTIFY ALL UTILITIES WITHIN THE WORK AREA VIA THE PENNSYLVANIA ONE CALL SYSTEM, A MINIMUM OF 3 WORKING DAYS BEFORE THE START OF EXCAVATION. (800-242-1776).
9. THE SITE IS SERVED BY PRIVATE SEWER AND WATER SERVICE PROVIDED BY LONGWOOD GARDENS.
10. THE TRACT IS SPLIT WITHIN THE RED CLAY CREEK WATERSHED AND BENNETTS RUN. RED CLAY CREEK IS CLASSIFIED AS COLD WATER FISHES AND MIGRATORY FISHES (CWF-MF) BY TITLE 25, CHAPTER 93 OF THE PENNSYLVANIA CODE. BENNETTS RUN IS CLASSIFIED AS WARM WATER FISHES AND MIGRATORY FISHES (WVF-MF) BY TITLE 25, CHAPTER 93 OF THE PENNSYLVANIA CODE.
11. ALL RADI SHOWN ARE 5 FT UNLESS OTHERWISE SPECIFIED.
12. AS-BUILT PLANS SHALL BE SUBMITTED TO THE TOWNSHIP WITHIN 30 DAYS AFTER COMPLETION AND APPROVAL OF PUBLIC IMPROVEMENTS BY THE TOWNSHIP.

GENERAL CONSTRUCTION AND GRADING NOTES:

1. ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL AND LOCAL CODES AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER/DEVELOPER.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS, AS APPLICABLE:
 - A. PENNDOT SPECIFICATION, PUB 408/2007 OR LATEST REVISION.
 - B. PENNDOT STANDARDS FOR ROADWAY CONSTRUCTION, PUBLICATION T-2, LAST REVISED 9/18/08 OR LATEST REVISION.
 - C. PENNDOT HANDBOOK OF APPROVED SIGNS, PUB 236/2006 OR LATEST REVISION.
 - D. AMERICANS WITH DISABILITIES ACT OF JULY 1991 AS AMENDED.
 - E. THE PENNSYLVANIA CLEAN STREAM LAW (P.S. § 3, SECTION 101 ET. SEQ.).
 - F. REGULATIONS OF PA CODE TITLE 25, CHAPTER 102.
 - G. KENNETT TOWNSHIP STANDARDS AND SPECIFICATIONS.
3. IN EVENT OF A CONFLICT AMONG THESE REQUIREMENTS AND/OR PLANS, THE MORE RESTRICTIVE REQUIREMENT SHALL APPLY OR A CLARIFICATION SHALL BE OBTAINED FROM THE ENGINEER.
4. THE CONTRACTOR SHALL BE REQUIRED TO REVIEW AND ABIDE BY SPECIFICATIONS OF THE PLAN AND ALL SUPPORTING DOCUMENTS, PERMITS, AND REPORTS FOR THIS SITE, INCLUDING BUT NOT LIMITED TO:
 - EROSION AND SEDIMENTATION CONTROL PLAN
 - POST CONSTRUCTION STORMWATER MANAGEMENT PLAN.
5. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY DISCREPANCIES OR ERROR THEY DISCOVER UPON THE PLANS.
6. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE OWNER OR HIS REPRESENTATIVE OR THE ENGINEER MAY BE CAUSE OF THE WORK TO BE UNACCEPTABLE.
7. UTILITY COORDINATION SHALL BE INCLUDED IN THE PROJECT SCHEDULE AND IT IS THE EXPLICIT RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT THE PROJECT SCHEDULE INCLUDES THE NECESSARY RELOCATIONS. THE CONTRACTOR WILL NOT BE PAID ADDITIONALLY FOR THIS COORDINATION. THE CONTRACTOR SHOULD SEEK ASSISTANCE FROM ALL UTILITY COMPANIES TO LOCATE AND PROTECT THEIR FACILITIES. IF CONFLICTS ARE FOUND, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND DESIGN ENGINEER FOR INSTRUCTION BEFORE PROCEEDING WITH WORK.
8. ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER AND TENANT.
9. TRAFFIC CONTROL METHODS, SUCH AS BARRICADES, SUFFICIENT LIGHTS, SIGNS, ETC., THAT MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE CONSTRUCTION.
10. CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AREA.
11. HIGH INTENSITY LIGHTING FACILITIES SHALL BE SO ARRANGED THAT THE SOURCE OF ANY LIGHT IS CONCEALED FROM PUBLIC VIEW AND FROM ADJACENT RESIDENTIAL PROPERTY AND DOES NOT INTERFERE WITH TRAFFIC.
12. THE CONTRACTOR SHALL MAINTAIN ACCESS FOR EMERGENCY VEHICLES AROUND AND TO ALL BUILDINGS NEAR CONSTRUCTION. AT ALL TIMES WHEN RAIN OR MUD, ROAD SHALL BE ABLE TO CARRY A FIRE TRUCK BY BEING PAVED OR HAVING A CRUSHED STONE BASE, ETC., WITH A MINIMUM WIDTH OF 10 FEET. ACCESS TO BUILDINGS THAT HAVE SPRINKLER OR STANPIPE SYSTEMS SHALL BE WITHIN 40 FEET OF THE FIRE DEPARTMENT CONNECTOR. (NFPA 1141 3-1)
13. BEDDING REQUIREMENTS SPECIFIED HEREIN ARE TO BE CONSIDERED AS MINIMUMS FOR RELATIVELY DRY, STABLE EARTH CONDITIONS. ADDITIONALLY BEDDING SHALL BE REQUIRED FOR ROCK TRENCHES AND WET AREAS. CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO PROVIDE SUCH ADDITIONAL BEDDING AS MAY BE REQUIRED TO PROPERLY CONSTRUCT THE WORK.
14. BACKFILL OF ALL TRENCHES SHALL BE COMPACTED TO THE DENSITY OF 95% OF THEORETICAL MAXIMUM DRY DENSITY (ASTM D998). BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS, OR OTHER FOREIGN DEBRIS AND SHALL BE PLACED IN LIFTS NOT TO EXCEED TWELVE (12) INCHES IN COMPACTED FILL THICKNESS. A REPORT FROM A GEOTECHNICAL ENGINEER MAY BE REQUIRED BY THE PUBLIC WORKS INSPECTOR. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
15. THE CONTRACTOR WILL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR REGRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
16. THE CONTRACTOR SHALL PROVIDE ANY AND ALL EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR THE TESTING SHALL BE THE CONTRACTORS RESPONSIBILITY.
17. SOIL TESTING AND ON-SITE INSPECTION SHALL BE PERFORMED BY A GEOTECHNICAL ENGINEER. A GEOTECHNICAL ENGINEER IS REQUIRED TO INSPECT, TEST AND CERTIFY TO THE COMPACTION OF ALL LOAD BEARING FILLS. THE GEOTECHNICAL ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR, THE OWNER AND TO THE OWNERS REPRESENTATIVE AND SHALL PROMPTLY NOTIFY THE OWNER, HIS REPRESENTATIVE AND THE CONTRACTOR, SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE SPECIFICATIONS.
18. ALL IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY MUST COMPLY WITH THE TOWNSHIPS STANDARDS AND SPECIFICATIONS.
19. ALL PERMITS MUST BE OBTAINED PRIOR TO THE START OF CONSTRUCTION.
20. ALL PAVEMENT MARKINGS ON PRIVATE PROPERTY SHALL CONFORM TO CURRENT MUTCD STANDARDS.

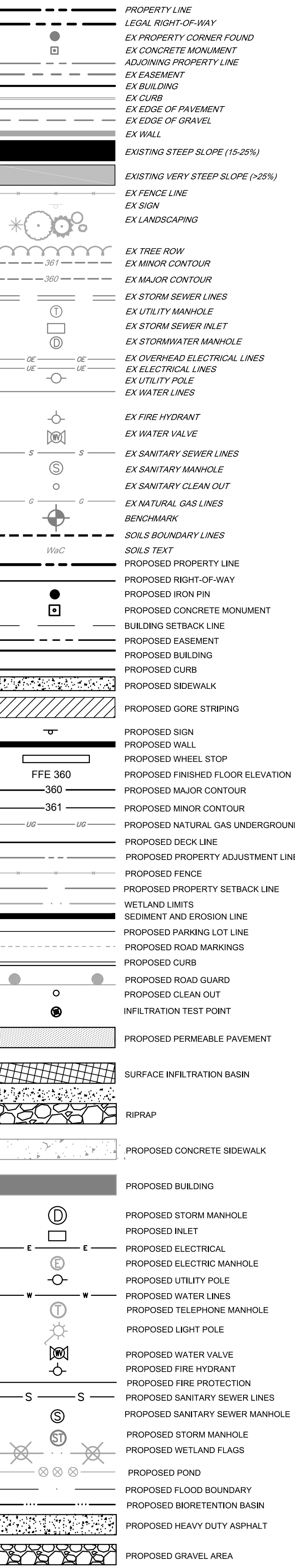
GENERAL UTILITY NOTES:

1. IN ACCORDANCE WITH PA ACT 287 (1974), AS AMENDED, THE CONTRACTOR SHALL NOTIFY ALL UTILITIES WITHIN THE WORK AREA VIA THE PENNSYLVANIA ONE CALL SYSTEM, INC. (800-242-1776) A MINIMUM OF 3 WORKING DAYS BEFORE THE START OF EXCAVATION.
2. UTILITY COORDINATION SHALL BE INCLUDED IN THE PROJECT SCHEDULE AND IT IS THE EXPLICIT RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT THE PROJECT SCHEDULE INCLUDES THE NECESSARY RELOCATIONS. THE CONTRACTOR WILL NOT BE PAID ADDITIONALLY FOR THIS COORDINATION.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATIONS AND DEPTHS OF ALL EXISTING UNDERGROUND UTILITIES AND STRUCTURES BEFORE THE START OF WORK AND TO TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THESE PLANS. HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTORS CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. COMPLETENESS OR ACCURACY OF LOCATION AND DEPTH OF UNDERGROUND UTILITIES AND STRUCTURES IS NOT GUARANTEED.
4. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES FOR EXACT LOCATION AND PROTECTION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR.
5. CONTRACTOR MUST APPLY FOR ALL UTILITY CONNECTION APPLICATIONS. CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY CONNECTION FEES FOR CONSTRUCTION. REFER TO SHEET NURSGRNH002 FOR AVAILABLE UTILITY COMPANY LIST.
6. CONTRACTOR MUST OBTAIN ANY REQUIRED UTILITY DETAILS FOR RECONNECTION OF EXISTING SERVICES OR NEW SERVICE AND IS RESPONSIBLE FOR THE CONSTRUCTION OF EACH NEW SERVICE PER THE APPROPRIATE UTILITY COMPANY'S SPECIFICATIONS.
7. THE LOCATION OF THE EXISTING OVERHEAD UTILITIES SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM FIELD OBSERVATION.
8. THE CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ALL UNDERGROUND UTILITIES AND APPURTENANCES TO MINIMIZE DISTURBANCE TO CURBS, PAVING, AND COMPACTED SUB-GRADE.
9. IF CONFLICTS ARE FOUND, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND DESIGN ENGINEER FOR INSTRUCTION BEFORE PROCEEDING WITH WORK.
10. ALL PIPE LENGTHS AND DISTANCES BETWEEN STRUCTURES ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE ALONG A HORIZONTAL PLANE.
11. THE CONTRACTOR SHALL PROVIDE ANY AND ALL EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR THE TESTING SHALL BE THE CONTRACTORS RESPONSIBILITY.
12. SOILS TESTING AND ON-SITE INSPECTION SHALL BE PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEER. THE SOILS ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR, THE OWNER AND THE OWNERS REPRESENTATIVE AND SHALL PROMPTLY NOTIFY THE OWNER, HIS REPRESENTATIVE AND THE CONTRACTOR SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE SPECIFICATIONS.
13. CONTRACTOR SHALL EXCAVATE ONLY ENOUGH TRENCH FOR WHICH PIPE CAN BE INSTALLED AND TRENCH BACKFILLED BY THE END OF EACH WORK DAY.
14. BEDDING REQUIREMENTS SPECIFIED HEREIN ARE TO BE CONSIDERED AS MINIMUMS FOR RELATIVELY DRY, STABLE EARTH CONDITIONS. ADDITIONAL BEDDING SHALL BE REQUIRED FOR ROCK TRENCHES AND WET AREAS. CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO PROVIDE SUCH ADDITIONAL BEDDING AS MAY BE REQUIRED TO PROPERLY CONSTRUCT THE WORK.
15. COMPACTON OF THE BACKFILL OF ALL TRENCHES SHALL BE COMPACTED TO THE DENSITY OF 95% OF THEORETICAL MAXIMUM DRY DENSITY (ASTM D998). BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS, OR OTHER FOREIGN DEBRIS AND SHALL BE PLACED IN LIFTS NOT TO EXCEED TWELVE INCHES IN COMPACTED FILL THICKNESS. A REPORT FROM A GEOTECHNICAL ENGINEER MAY BE REQUIRED BY THE PUBLIC WORKS INSPECTOR. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
16. RUNOFF FROM IMPERVIOUS AREAS SHALL NOT BE DIRECTED INTO THE SANITARY SEWER NOR ONTO ADJACENT PROPERTIES.
17. ALL ON-SITE BUILDING IMPROVEMENTS SHALL CONFORM TO THE TOWNSHIPS BUILDING CODE.
18. THE MINIMUM DISTANCE BETWEEN THE PLACEMENT OF TREES, LIGHT POLES, ETC. AND UTILITY SERVICE LINES SHALL BE 10'.
19. ALL JOINTS ON THE STORM WATER CONVEYANCE SYSTEM SHALL BE WATERTIGHT.

DEMOLITION NOTES:

1. DEMOLITION WILL BEGIN UPON RECEIPT OF ALL NECESSARY APPROVALS AND PERMITS FROM THE LOCAL AND STATE AGENCIES. ALL WORK SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE AREAS FOR BOTH VEHICULAR AND PEDESTRIAN TRAFFIC BE SAFE, CLEAN, AND ACCESSIBLE AT ALL TIMES THROUGHOUT CONSTRUCTION.
3. CONTRACTOR SHALL CONTACT THE PA ONE CALL SYSTEM (1-800-242-1776) PER ACT 287, AS AMENDED, NOT LESS THAN THREE DAYS NOR MORE THAN TEN WORKING DAYS BEFORE COMMENCING WITH DEMOLITION.
4. DEMOLITION SHALL BE IN ACCORDANCE WITH THE SELECTED PROJECT ENVIRONMENTAL ENGINEER OF RECORD FOR CONSTRUCTION.
5. CONTRACTOR IS RESPONSIBLE FOR UTILIZING APPLICABLE EROSION CONTROL MEASURES PRIOR TO AND DURING DEMOLITION. REFER TO EROSION AND SEDIMENT CONTROL PLANS.
6. THE CONTRACTOR SHALL ENSURE THAT PROPER MECHANISMS ARE IN PLACE TO CONTROL WASTE MATERIALS THAT COULD ADVERSELY IMPACT WATER QUALITY. DEMOLITION WASTES INCLUDE, BUT ARE NOT LIMITED TO, EXCESS SOIL MATERIALS, BUILDING MATERIAL, CONCRETE WASTE, SANITARY WASTES, ETC. MEASURES SHOULD BE PLANNED AND IMPLEMENTED FOR HOUSE KEEPING, MATERIAL MANAGEMENT AND LITTER CONTROL. WHEREVER POSSIBLE, RECYCLING OF EXCESS MATERIALS IS PREFERRED, RATHER THAN DISPOSAL. DIRECT AIR PUMP DISCHARGES RESULTING FROM Dewatering OPERATIONS TO A SUITABLE FILTERING DEVICE IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN.
7. SAFETY DEVICES (I.E. BARRICADES, WARNING TAPE, CHAIN LINK FENCING, ETC.) SHALL BE USED DURING DEMOLITION PROCEDURE TO INSURE THE SAFETY OF THE SURROUNDING PUBLIC.
8. THE CONTRACTOR SHALL IMMEDIATELY REMOVE ANY AND ALL DEBRIS THAT MAY FALL ON THE ROADWAY AND/OR MAY BE TRACKED ONTO THE ROADWAY.
9. ALL STRUCTURES, PAVEMENT, SUBBASE AND MISCELLANEOUS ITEMS SHALL BE REMOVED IN THEIR ENTIRETY. SIDEWALKS ARE TO BE REMOVED TO THE NEAREST CONSTRUCTION/EXPANSION JOINT. SAWCUT TO PROVIDE CLEAN, STRAIGHT EDGES. ALL OPEN EXCAVATION AS A RESULT OF DEMOLITION WORK (I.E. FOUNDATIONS, BASEMENTS, TRENCHES, MANHOLES, INLETS, CLEANOUTS AND STORMWATER PIPING) SHALL BE BACKFILLED TO SURROUNDING GRADE LEVEL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AFTER DEMOLITION IS COMPLETE.
10. UTILITY REMOVALS/ABANDONMENT SHALL BE IN ACCORDANCE WITH THE FOLLOWING ADDITIONAL SPECIFICATIONS:
 - A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THESE PLANS. HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTORS CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR.
 - B. CONTRACTOR TO NOTIFY APPROPRIATE UTILITY COMPANY PRIOR REMOVAL/ABANDONMENT OF SUCH UTILITY.
 - C. REMOVAL/ABANDONMENT OF PRIVATE UTILITY COMPANY SERVICES TO BE IN ACCORDANCE WITH EACH RESPECTIVE UTILITY COMPANY STANDARD SPECIFICATIONS OR THE FOLLOWING PROCEDURE, WHICH EVER IS MORE RESTRICTIVE:
 - ALL PIPES TO BE ABANDONED SHALL BE EITHER EXCAVATED, REMOVED AND THE TRENCH BACKFILLED WITH COURSE AGGREGATE MATERIAL OR ALTERNATE MATERIAL APPROVED BY THE ENVIRONMENTAL ENGINEER OF RECORD OR THE PIPE SHALL BE COMPLETELY FILLED WITH FLOWABLE FILL. SANDS AND THE ENDS SEALED WITH WATERTIGHT GROUT.
 - ALL STRUCTURES TO BE ABANDONED IN-PLACE SHALL HAVE AT MINIMUM THE FIRST 5 FEET BELOW PROPOSED GRADE REMOVED. THE REMAINING STRUCTURE SHALL BE COMPLETELY FILLED WITH FLOWABLE FILL, CAPPED WITH A WATERTIGHT CONCRETE COVER AND SEALED WITH WATERTIGHT GROUT. WHERE SITE GRADING NECESSITATES STRUCTURE REMOVAL, THE ASSOCIATED PIPES SHALL BE FILLED WITH FLOWABLE FILL AND THE ENDS SEALED WITH WATERTIGHT GROUT. THE CONTRACTOR SHALL FIELD VERIFY THE FLOW PATH OF ALL PIPES TO ENSURE THAT FLOODING PIPES WILL NOT ADVERSELY AFFECT DRAINAGE ON ANY ADJACENT ROADWAY OR PROPERTY.
12. REMOVAL AND DISPOSAL OF BITUMINOUS MATERIAL SHALL BE IN COMPLETED IN ACCORDANCE WITH DETAILS AND REGULATIONS OF THE TOWNSHIP, PAEPD AND PENNDOT, AS APPLICABLE AND IS SUBJECT TO INSPECTION AND APPROVAL AS APPROPRIATE.

LEGEND:



Sheet List Table				
SHEET	PAGE	PLAN NAME	CREATED DATE	REVISED PER TWP COMMENTS
NURSGRNH001	1	COVER SHEET	2018-06-08	2018-06-31
NURSGRNH002	2	NOTES SHEET	2018-06-08	2018-06-31
NURSGRNH003	3	OVERALL NATURAL AND CULTURAL RESOURCES SITE ANALYSIS PLAN	2018-06-08	2018-06-31
NURSGRNH004	4	NATURAL AND CULTURAL RESOURCES SITE ANALYSIS PLAN	2018-06-08	2018-06-31
NURSGRNH005	5	NATURAL AND CULTURAL RESOURCES SITE ANALYSIS PLAN	2018-06-08	2018-06-31
NURSGRNH006	6	ENGINEERING SITE ANALYSIS PLAN	2018-06-08	2018-06-31
NURSGRNH007	7	ENGINEERING SITE ANALYSIS PLAN	2018-06-08	2018-06-31
NURSGRNH008	8	DEMOLITION PLAN	2018-06-08	2018-06-31
NURSGRNH009	9	DEMOLITION PLAN	2018-06-08	2018-06-31
NURSGRNH010	10	OVERALL SITE PLAN	2018-06-08	2018-06-31
NURSGRNH011	11	SITE PLAN	2018-06-08	2018-06-31
NURSGRNH012	12	SITE PLAN	2018-06-08	2018-06-31
NURSGRNH013	13	OVERALL GRADING PLAN	2018-06-08	2018-06-31
NURSGRNH014	14	GRADING PLAN	2018-06-08	2018-06-31
NURSGRNH015	15	GRADING PLAN	2018-06-08	2018-06-31
NURSGRNH016	16	OVERALL UTILITY PLAN	2018-06-08	2018-06-31
NURSGRNH017	17	UTILITY PLAN	2018-06-08	2018-06-31
NURSGRNH018	18	UTILITY PLAN	2018-06-08	2018-06-31
NURSGRNH019	19	LANDSCAPING PLAN	2018-06-08	2018-06-31
NURSGRNH020	20	LANDSCAPING PLAN	2018-06-08	2018-06-31
NURSGRNH021	21	LIGHTING PLAN	2018-06-08	2018-06-31
NURSGRNH022	22	SITE DETAILS	2018-06-08	2018-06-31
NURSGRNH024	23	SITE DETAILS	2018-06-08	2018-06-31
NURSGRNH024	24	DRAINAGE DETAILS	2018-06-08	2018-06-31
NURSGRNH025	25	DRAINAGE DETAILS	2018-06-08	2018-06-31
NURSGRNH026	26	SANITARY DETAILS	2018-06-08	2018-06-31
NURSGRNH027	27	WATER DETAILS	2018-06-08	2018-06-31
NURSGRNH028	28	LANDSCAPE DETAILS	2018-06-08	2018-06-31
NURSGRNH029	29	OVERALL EROSION AND SEDIMENT CONTROL PLAN	2018-06-08	2018-06-31
NURSGRNH030	30	EROSION AND SEDIMENT CONTROL PLAN	2018-06-08	2018-06-31
NURSGRNH031	31	EROSION AND SEDIMENT CONTROL PLAN	2018-06-08	2018-06-31
NURSGRNH032	32	EROSION AND SEDIMENT CONTROL NOTES	2018-06-08	2018-06-31
NURSGRNH033	33	EROSION AND SEDIMENT CONTROL DETAILS	2018-06-08	2018-06-31
NURSGRNH034	34	EROSION AND SEDIMENT CONTROL DETAILS	2018-06-08	2018-06-31
NURSGRNH035	35	OVERALL POST CONSTRUCTION STORMWATER MANAGEMENT PLAN	2018-06-08	2018-06-31
NURSGRNH036	36	POST CONSTRUCTION STORMWATER MANAGEMENT PLAN	2018-06-08	2018-06-31
NURSGRNH037	37	POST CONSTRUCTION STORMWATER MANAGEMENT PLAN	2018-06-08	2018-06-31
NURSGRNH038	38	POST CONSTRUCTION STORMWATER MANAGEMENT NOTES	2018-06-08	2018-06-31
NURSGRNH039	39	POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS	2018-06-08	2018-06-31
NURSGRNH040	40	POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS	2018-06-08	2018-06-31
NURSGRNH042	41	TRUCK TURNING PLAN	2018-06-08	2018-06-31

SIGN TABLE:

SYMBOL	SIGN CHARACTERISTICS	PENNDOT #	SIZE
(A)	STOP	R1-1	24"x24"
(B)	RESERVED PARKING	R7-8	12"x18"
(C)	RESERVED PARKING PENALTIES	R7-9F	12"x18"
(D)	VAN ACCESSIBLE	R7-8P	12"x8"

PA ONECALL UTILITY USER LIST

ALL DESIGNERS AND CONTRACTORS UTILIZING THESE PLANS AND THE INFORMATION CONTAINED THEREON ARE CAUTIONED TO COMPLY WITH THE REQUIREMENTS OF PENNSYLVANIA ACT 172, HOUSE BILL 1735 ENTITLED "UNDERGROUND UTILITY LINE PROTECTION LAW". SERIAL NO: 20181033505

KENNETT TOWNSHIP			
CHESTER WATER AUTHORITY "WATER"	100 ASHVILLE ROAD NOTTINGHAM, PA 19362	CHESTER WATER AUTHORITY	CONTACT: FRANK HUMBERT EMAIL: fghumbert@chesterwater.com PHONE: (717)-529-2244
CHESTER WATER AUTHORITY "SEWER"	437 W FRONT STREET PO BOX 467 CHESTER, PA 19013	CHESTER WATER AUTHORITY	CONTACT: NICOLE SCARPATO EMAIL: ecall@chesterwater.com PHONE: (610)-876-8181
COMCAST CABLE	1004 CORNERSTONE BLVD DOWNTOWN, PA 19335	COMCAST CABLE	CONTACT: TOM RUSSO EMAIL: tom_russo@cable.comcast.com PHONE: (610)-842-2501
KENNETT TOWNSHIP	801 BURROWS RUN ROAD CHADDS FORD, PA 19317	KENNETT TOWNSHIP	CONTACT: ROGER LYSLE EMAIL: roger.lysle@kennett.tpa.us PHONE: (610)-388-1300
PECO ENERGY C/O USIC	450 S HENDERSON RD SUITE B KING OF PRUSSIA, PA 19406	USIC	CONTACT: NIKKIA SIMPKINS EMAIL: NIKKIASIMPKINS@USICLLC.COM PHONE: (800)-494-4000
VERIZON PENNSYLVANIA LLC	1050 VIRGINIA DR FORT WASHINGTON, PA 19034	VERIZON PENNSYLVANIA LLC	CONTACT: LAURA LIPPINCOTT EMAIL: LAURA.M.LIPPINCOTT@ONE.VERIZON.COM PHONE: (215)-283-0690



PENNONI ASSOCIATES INC.
One South Church Street, 2nd Floor
West Chester, PA 19382
T 610.429.8907 F 610.429.8918

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ONE SOUTH CHURCH STREET, 2ND FLOOR
T 610.429.8907 F 610.429.8918

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2018-06-08	1"=40'	2 OF 41