

GENERAL NOTES

1. The maintenance of the storm water facilities shall be the owner's responsibility. The owner's deed, and the deeds to any subsequent owner, shall note that the owner shall accept the maintenance responsibilities. The City of Bethlehem shall be permitted to inspect the storm water facilities on at least an annual schedule to ensure that any necessary corrective work is performed in a timely manner. All public inlets should have inlet markers. The design of the inlets shall be approved by the City Engineer. The drainage easement provides for the flow of stormwater across lots, and may not be altered without the written permission of the City Engineer. No obstructions shuch as planting berms or fences may be installed in the drainage easement areas without sufficient provision for the passage of stormwater, any such proposed provision shall be approved by the City Engineer.

2. All driveways shall be a minimum of 2' off of the property line 3. Accurate as-built plans shall be kept up to date during the construction process. At the completion of the project record drawings shall be developed from the as-built plans and submitted to the City Engineer's Office. All final drawings shall show North American Datum (NAD) 1983 State Plane Coordinates in feet (Pennsylvania South, FIPS Zone 3702) and the digital file shall be in State Plane Coordinates as applicable. The hard copy of the record drawing shall be in the form of a Mylar copy. The engineer of record shall certify (i.e. P.E. stamped and signed) that the record drawings comply substantially with the approved plan and that they conform to industry standards. All digital files shall reside on PC compatible CD Rom containing the digital representation of hte final plan as presented on the twenty-four (24) inch by thirty-six (36) inch sheets. The digital map shall be AutoCAD compatible. All layers included in the digital maps shall be the standardized layers prepared and utilized by the City od Bethlehem to ensure compatiblity with the City's existing CADD standards and as described in Appendix A of the City's Subdivision and Land Development Ordinance. 4. NPDES NOTE - By submission of these plans the engineer of

record certifies that these plans are in complete conformance with the City of Bethlehem Storm Water Management Ordinance. 5. REVISION NOTE — In order to maintain continuity between plan revisions, any changes to a previous plan submission shall be flagged with a triangle. Any changes not flagged may be considered not approved. Flagged changes shall be referenced to the appropriate date in the revision block.

6. ENGINEERING PERMITS NOTE — Prior to any work within the Right-of-way, permits must be obtained from the City Engineering Office.

7. By submission of these plans the engineer on record certifies these plans are in complete conformance with the City of Bethlehem Storm Water Management Ordinace.

8. The drainge easement provides for the flow of stormwater across lots, and may not be altered without written permission of the City Engineer. No obstruction such as planting berms of fences may be installed in the drainge easements areas without sufficient provision for the passage of stormwaterm and any such proposed provision shall be approved in writing by the City

#### PROJECT NOTES

1. TEXT IN A SLANTED FONT REPRESENTS EXISTING FEATURES.

2. TITLE LINE INFORMATION TAKEN FROM EXISTING DEEDS, PLANS OF RECORD, AND ACTUAL FIELD MEASUREMENTS PERFORMED IN 2020 BY LEHIGH ENGINEERING ASSOCIATES, INC.

3. ALL CONTOURS AND ELEVATIONS SHOWN ARE TAKEN FROM A FIELD SURVEY PERFORMED IN 2020 BY LEHIGH ENGINEERING ASSOCIATES, INC.

4. ALL IRON PINS MUST BE SET FOR PROPERTY MONUMENTATION.

5. THE FINAL STREETSCAPE DESIGN OF NEW STREET SHALL BE COORDINATED WITH THE CITY OF BETHLEHEM.

6. THE DEVELOPER SHALL WORK WITH THE PLANNING AND PARKS BUREAUS TO PREPARE A DESIGN AND IMPLEMENT A LANDSCAPING PLAN FOR THE ABUTTING

7. THE GREENWAY LANDSCAPE DESIGN AND THE PRIVATE PROPERTY LANDSCAPING SHALL BE COORDINATED BETWEEN THE CITY AND DEVELOPER.

8. A SITE MEETING WITH THE CONTRACTOR IS REQUIRED PRIOR TO ANY CONSTRUCTION WITH THE TRAFFIC, PARKS, PLANNING, AND ENGINEERING

BUREAUS TO DISCUSS HOW CONSTRUCTION WILL TAKE PLACE.

9. A KNOX BOX MUST BE INSTALLED WITH THE PROPOSED BUILDING FOR THE CITY OF BETHLEHEM FIRE DEPARTMENT.

10. TEMPORARY EASEMENTS MAY BE REQUIRED DURING CONSTRUCTION FOR ANY

WORK TAKING PLACE ON CITY OWNED PARCELS. 11. PARKING FOR THIS BUILDING WILL BE LEASED FROM THE PARKING GARAGE

DIRECTLY ACROSS NEW STREET.

12. THE DEPARTMENT OF PUBLIC WORKS AND CITY COUNCIL APPROVAL IS

REQUIRED FOR THE ENCROACHMENT OVER GRAHAM PLACE.

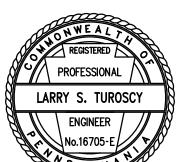
13. RECYCLING WILL BE COLLECTED VIA THE BI-SORTER TRASH CHUTE TO THE RECEPTACLES IN THE TRASH ROOM AT GROUND LEVEL AND PHYSICALLY MOVED FOR CITY COLLECTION.

14. ALL PROPOSED UTILITIES MUST BE COORDINATED WITH THE SOUTH NEW STREET STREETSCAPE PROJECT. IF UTILITIES CAN'T BE INSTALLED PRIOR TO THE CITY PROJECT, THE DEVELOPER WILL BE RESPONSIBLE FOR EXTENSIVE ROADWAY RESTORATION ON SOUTH NEW STREET, INCLUDING FULL WIDTH MILL

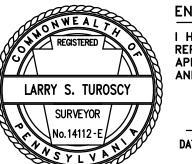
15. THE FIRST FLOOR RETAIL SPACE WILL UTILIZE AN ADDRESS OF 319 S. NEW ST., BETHLEHEM, PA, 18015. THE APARTMENTS WILL UTILIZE AN ADDRESS OF 325 S. NEW ST., APT #, BETHLEHEM, PA 18015.

TILITY	CONTACT PERSON	ADDRESS	PHONE NO.
y of Bethlehem, Utilities	Water Control	10 East Church Street Bethlehem PA 18018	(610) 865–7077
L Electric Utilities	Liz Mease	827 Hausaman Road Allentown PA 18104	(484) 634–3268
CN	Bob Roe	2124 Avenue C Bethlehem PA 18017	(610) 443–2956
rvice Electric Cablevision, Inc.	Fran Swirble	2260 Aveune A, LVIP # 1 Bethlehem PA 18017	(610) 868–0902
G I Corporation	Taylor Bet	2121 City Line Road Bethlehem PA 18001	(610) 866–0951
rizon Communications	Mike Ciamaco	1800 E. Race Street Catasauqua PA 18032	(610) 264–2039
YO Bandwidth	Joe Nuzzo	400 Centennial Parkway Suite 200 Louisville CO 80027	(610) 628–9365

MAP LEGEND O I. PIN TO BE SET —————— EXISTING RIGHT-OF-WAY —————— TWP. CLEAR SIGHT TRI. CON MON TO BE SET — - - — PROPOSED LOT LINE — — — — PADOT SIGHT DIST. O/O DEC./CON. TREE ----- FUTURE RIGHT-OF-WAY ------ SANITARY LATERAL SANITARY MANHOLE ----- EXISTING EASEMENT LINE S SANITARY SEWER MAIN ₩ WATER VALVE -- BUILDING SETBACK LINE — W — EXISTING WATER MAIN ₩ FIRE HYDRANT ----- EDGE OF ROADWAY EXISTING SHRUB ROW ❤ WATER SHUTOFF ----- ADJACENT PROP. LINE Benchmark USGS Allentown East Quardangle







ENGINEER / SURVEYOR CERTIFICATION I HEREBY CERTIFY THAT THIS PLAN CORRECTLY AND ACCURATELY REPRESENTS THE LANDS OF THE OWNER AND, WHERE APPLICABLE, THE LOTS, BUILDINGS, PARKING AREAS, WALKWAYS, AND OTHER STRUCTURES AND IMPROVEMENTS SHOWN HEREON.

LARRY S. TUROSCY, P.E. 16705-E R.S. 14112-E 499 RIVERVIEW DRIVE, P.O. BOX 68 WALNUTPORT, PA 18088 (610) 767-8545

PLAN SHEET INDEX Record Plan

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DRAWN BY: BG JOB: 6533 SHEET

DATE: 12/15/20

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BY THE CITY OF BETHLEHEM PLANNING COMMISSION CITY PLANNING COMMISSION BETHLEHEM, PENNSYLVANIA PLAN RECORDED IN THE OFFICE OF THE RECORDER OF DEEDS OF NORTHAMPTON COUNTY, PA, IN MAP BOOK VOLUME \_\_\_\_\_ PAGE \_\_\_\_\_ ON THE \_\_\_\_ DAY OF \_\_\_\_ 2016

RECORDER OF DEEDS

SECRETARY

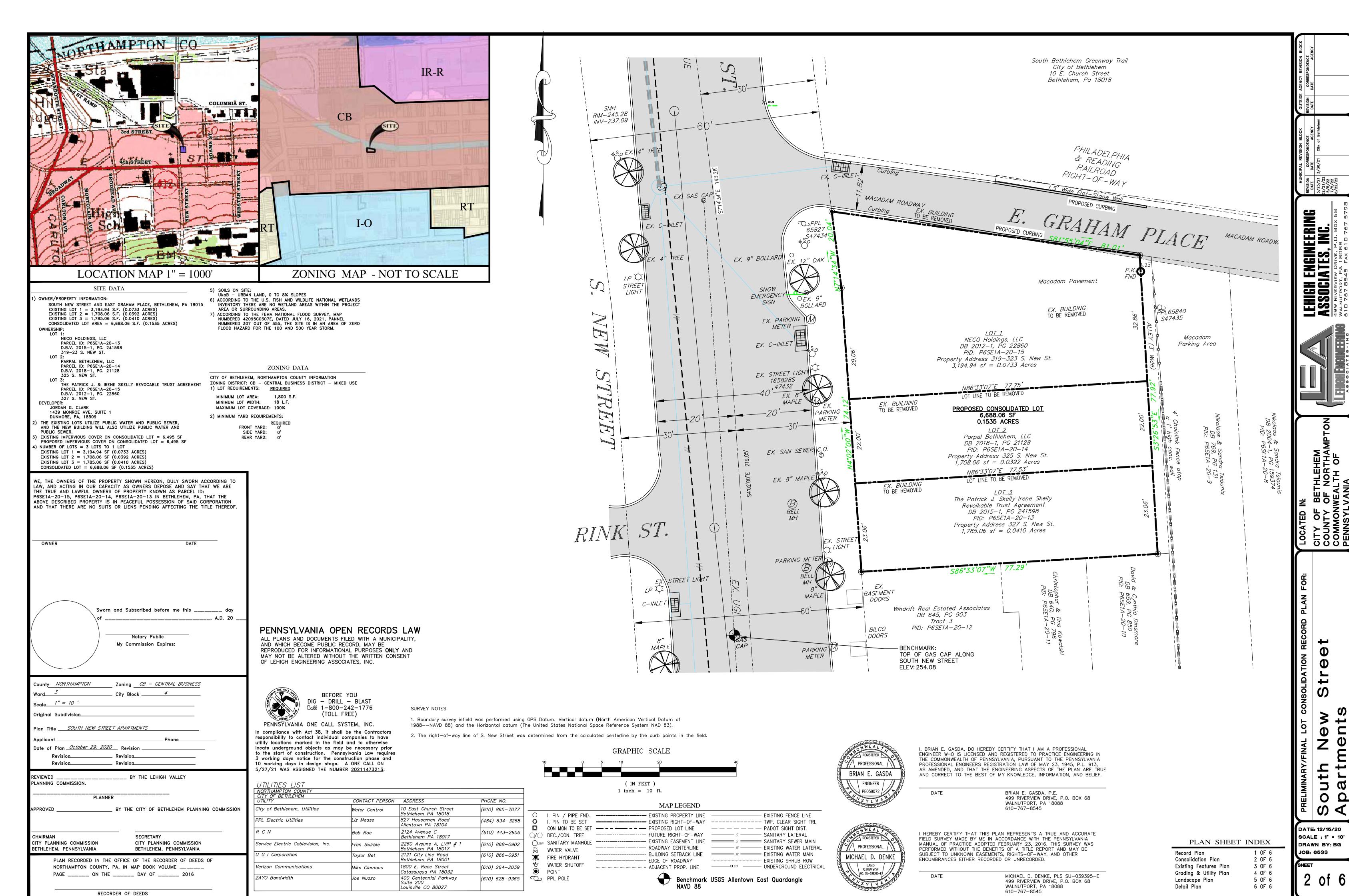
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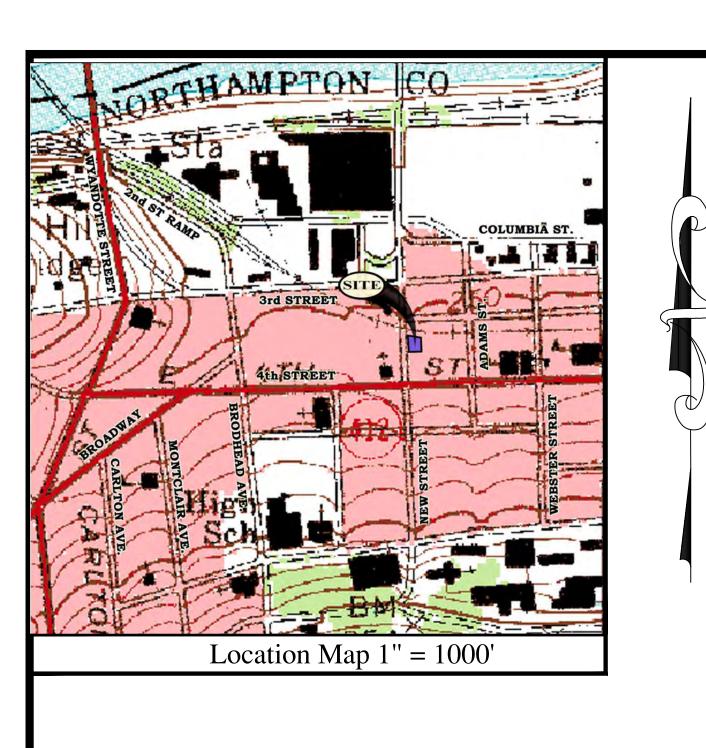
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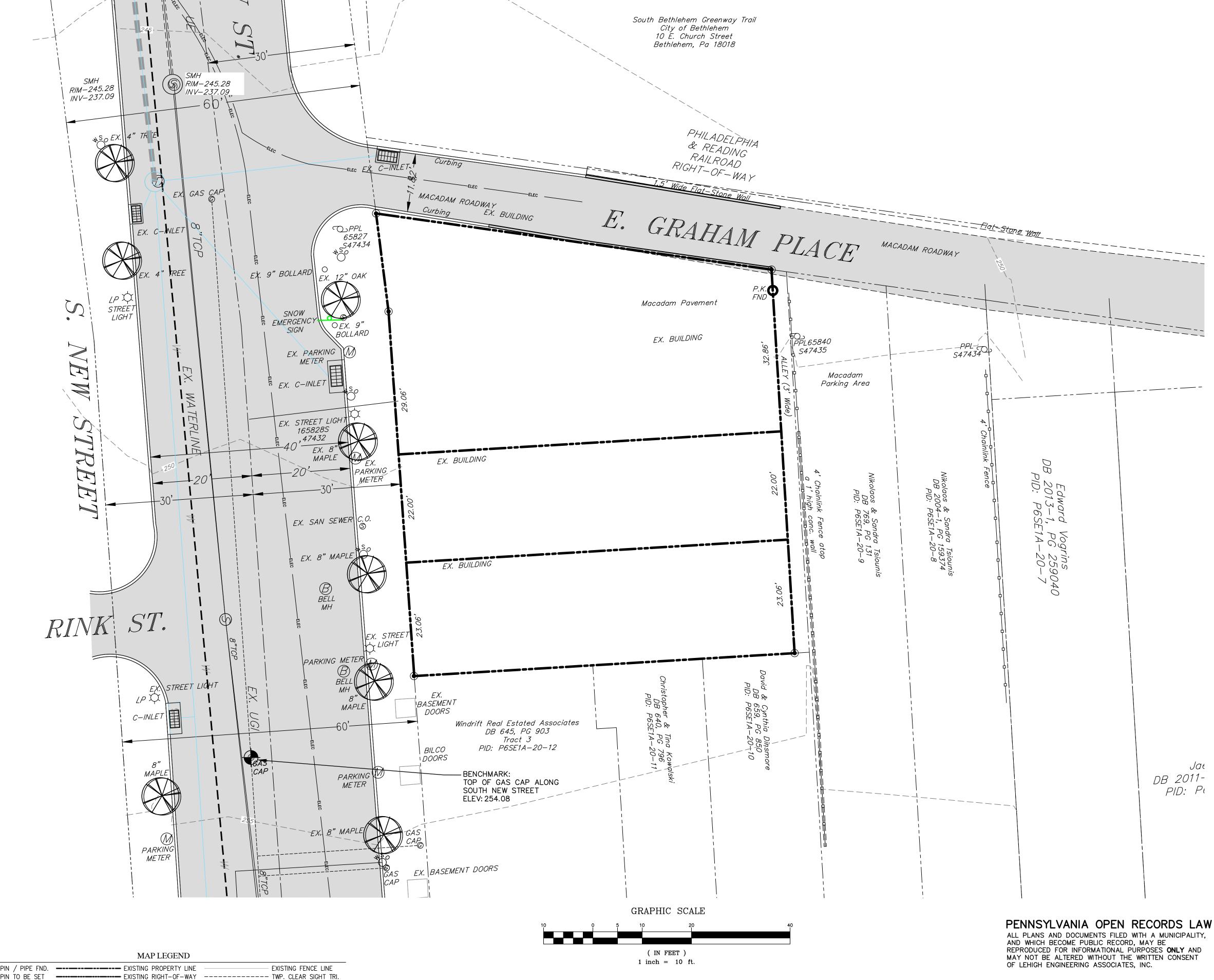
CITY PLANNING COMMISSION

BETHLEHEM, PENNSYLVANIA

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BEFORE YOU DIG — DRILL — BLAST Call 1-800-242-1776(TOLL FREE)

PENNSYLVANIA ONE CALL SYSTEM, INC. In compliance with Act 38, it shall be the Contractors responsibility to contact individual companies to have utility locations marked in the field and to otherwise locate underground objects as may be necessary prior to the start of construction. Pennsylvania Law requires 3 working days notice for the construction phase and 10 working days in design stage

UTILITIES LIST			
NORTHAMPTON COUNTY			
<u>CITY OF BETHLEHEM</u> UTILITY	CONTACT PERSO	N ADDRESS	PHONE NO.
City of Bethlehem, Utilities	Water Control	10 East Church Street Bethlehem PA 18018	(610) 865-7077
PPL Electric Utilities	Liz Mease	827 Hausaman Road Allentown PA 18104	(484) 634–3268
R C N	Bob Roe	2124 Avenue C Bethlehem PA 18017	(610) 443–2956
Service Electric Cablevision, Inc.	Fran Swirble	2260 Aveune A, LVIP # 1 Bethlehem PA 18017	(610) 868-0902
U G I Corporation	Taylor Bet	2121 City Line Road Bethlehem PA 18001	(610) 866-0951
Verizon Communications	Mike Ciamaco	1800 E. Race Street Catasauqua PA 18032	(610) 264–2039
ZAYO Bandwidth	Joe Nuzzo	400 Centennial Parkway Suite 200 Louisville CO 80027	(610) 628–9365

SANITARY MANHOLE - ROADWAY CENTERLINE BUILDING SETBACK LINE ===== #=== EXISTING WATER MAIN 🐺 FIRE HYDRANT - EDGE OF ROADWAY EXISTING SHRUB ROW ∜ WATER SHUTOFF ----- ADJACENT PROP. LINE Benchmark USGS Allentown East Quardangle NAVD 88

SURVEY NOTES

1. Boundary survey infield was performed using GPS Datum. Vertical datum (North American Vertical Datum of 1988——NAVD 88) and the Horizontal datum (The United States National Space Reference System NAD

2. The right—of—way line of S. New Street was determined from the calculated centerline by the curb points in the field.

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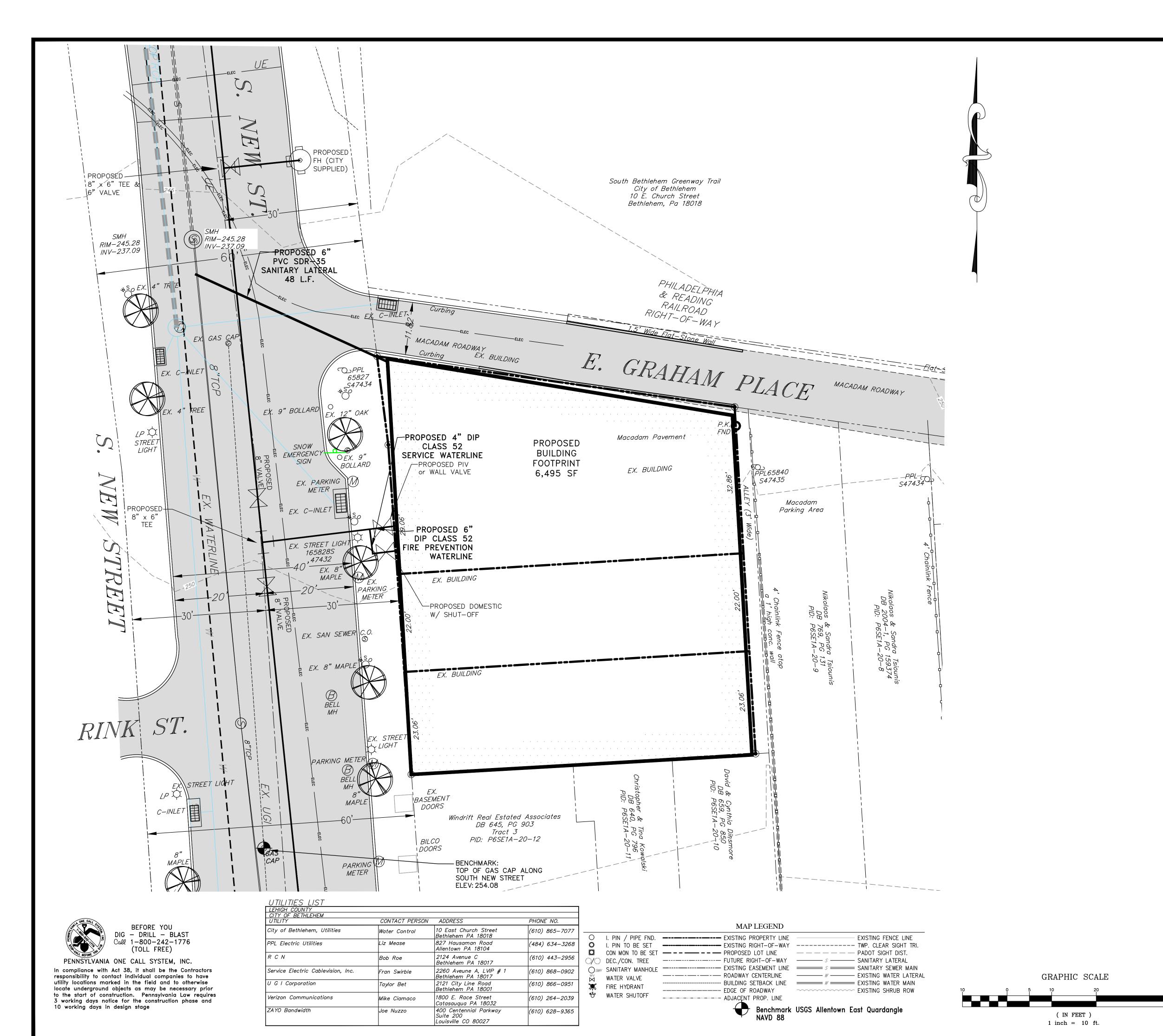
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LEHIGH ENGINEERING ASSOCIATES, INC.

Detail Plan



UTILITY NOTES

- 1. EXISTING SANITARY LATERALS FOR THE BUILDINGS THAT ARE TO BE REMOVED SHALL BE CUT AND CAPPED.
- 2. EXISTING WATER SERVICE LINES SHALL BE DISCONNECTED AT THE 6"
- WATER MAIN.

  3. STREET LIGHTS SHALL MAINTAIN A MINIMUM SEPARATION OF 10' FROM
- 4. OTHER UTILITIES EXIST IN THE AREA OF THE PROPOSED WATER LINES AND ADDITIONAL CAUTION SHOULD BE TAKEN DURING EXCAVATION AND INSTALLATION.

#### FIRE PROTECTION NOTES

BETHLEHEM THREADS.

- A KNOX BOX SHALL BE INSTALLED FOR CITY OF BETHLEHEM FIRE DEPARTMENT ACCESS.
   THE FIRE DEPARTMENT CONNECTION SHALL BE LOCATED ALONG 3RD ST. AS SHOWN ON THE PLANS. THE CONNECTION SHALL HAVE CITY OF
- THE PROPOSED BUILDING SHALL BE FULLY SPRINKLERED.
   IF APPLICABLE, THIS PROPOSED DEVELOPMENT SHALL MEET THE ORDINANCE REQUIREMENTS OF SECTION 1701.02 — ADDITIONS AND MODIFICATIONS AS FOLLOWS:
- IBC 903.4.2 ALARMS. APPROVED AUDIBLE DEVICES SHALL BE CONNECTED TO EVERY AUTOMATIC SPRINKLER SYSTEM. SUCH SPRINKLER WATER FLOW ALARM DEVICES SHALL BE ACTIVATED BY WATER FLOW EQUIVALENT TO THE FLOW OF A SINGLE SPRINKLER OF THE SMALLEST ORIFICE SIZE INSTALLED IN THE SYSTEM. ALARM DEVICES SHALL BE PROVIDED ON THE EXTERIOR OF THE BUILDING IN AN APPROVED LOCATION. WHERE A FIRE ALARM SYSTEM IS INSTALLED, ACTUATION OF THE AUTOMATIC SPRINKLER SYSTEM SHALL ACTUATE THE BUILDING FIRE ALARM SYSTEM. IN AUTOMATIC SPRINKLER SYSTEMS WHERE MULTIPLE SPRINKLER RISERS ARE REQUIRED, AND THE RISERS ARE LOCATED IN SEPARATE AREAS WITHIN THE BUILDING, AN OUTSIDE VISIBLE ALARM NOTIFICATION APPLIANCE SHALL BE REQUIRED FOR EACH RISER. SUCH APPLIANCE SHALL BE A WHITE STROBE (MINIMUM 95 CANDELA STROBE RATING) PLACED IN AN APPROVED LOCATION ON THE EXTERIOR WALL, AS CLOSE AS PRACTICABLE, TO EACH SPRINKLER RISER. THE STROBE WILL ACTIVATE WHEN THE WATER FLOW ALARM FOR ITS RESPECTIVE RISER IS ACTIVATED. (ORD. 2014-21 - PASSED 8/5/14).

PENNSYLVANIA OPEN RECORDS LAW
ALL PLANS AND DOCUMENTS FILED WITH A MUNICIPALITY,
AND WHICH BECOME PUBLIC RECORD, MAY BE
REPRODUCED FOR INFORMATIONAL PURPOSES ONLY AND
MAY NOT BE ALTERED WITHOUT THE WRITTEN CONSENT
OF LEHIGH ENGINEERING ASSOCIATES, INC.

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MUNICIPAL REVISION

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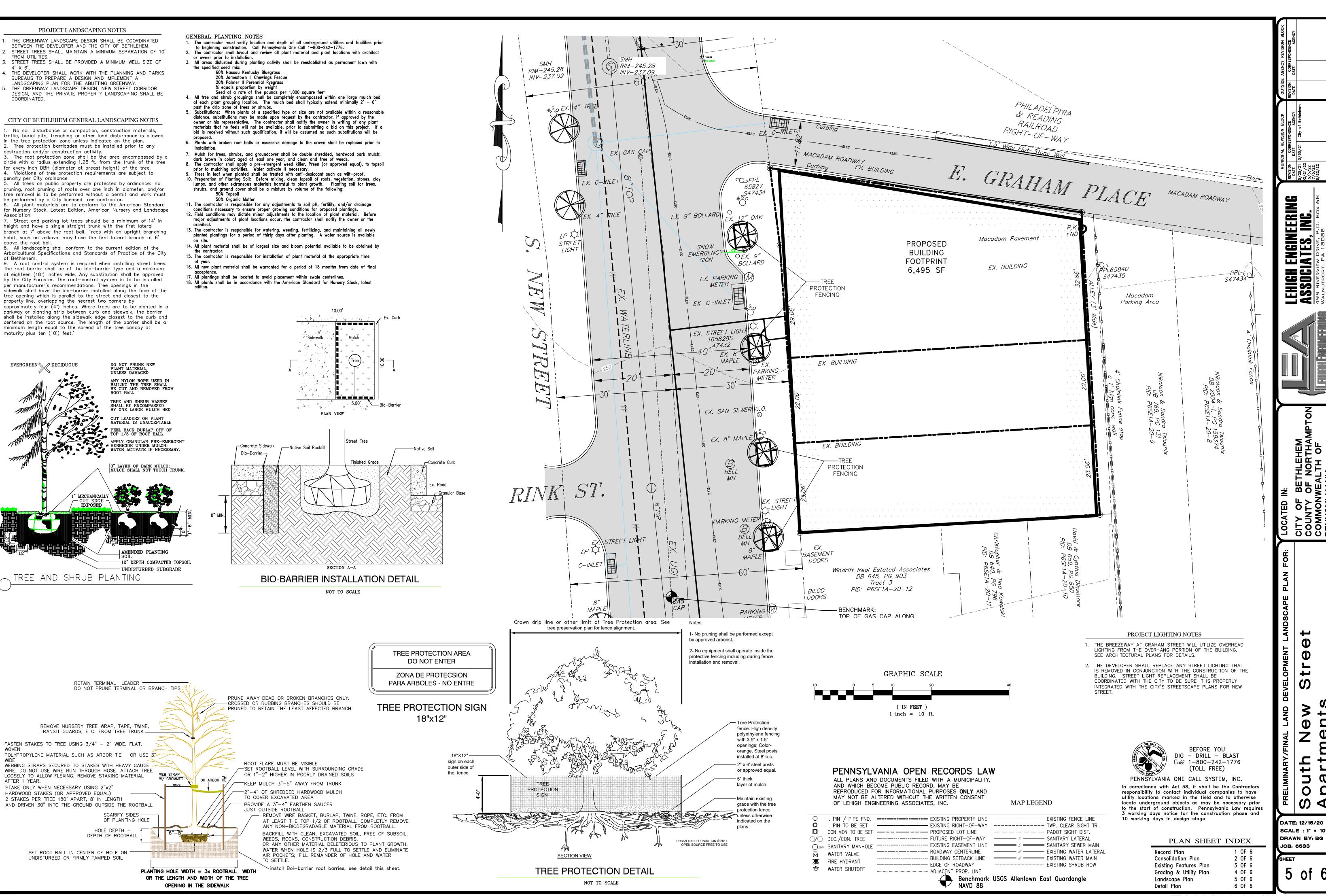
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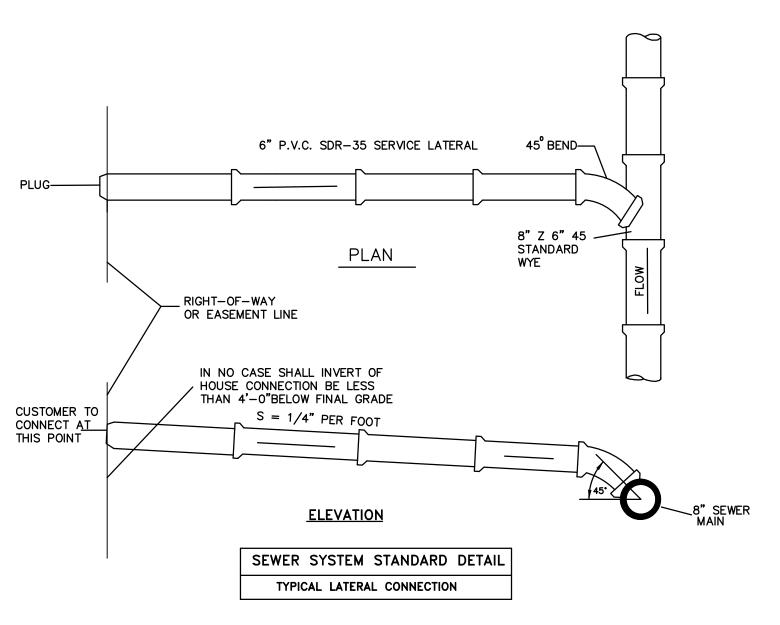
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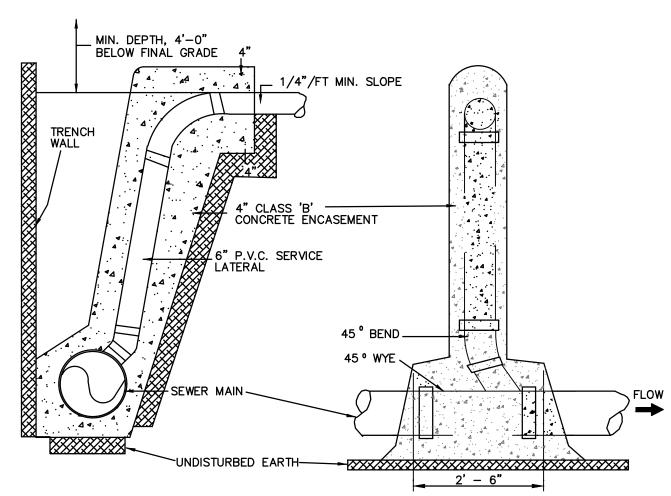
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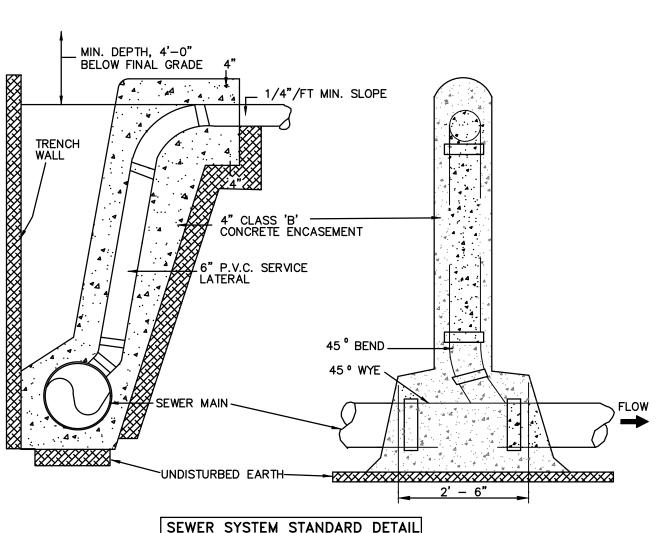
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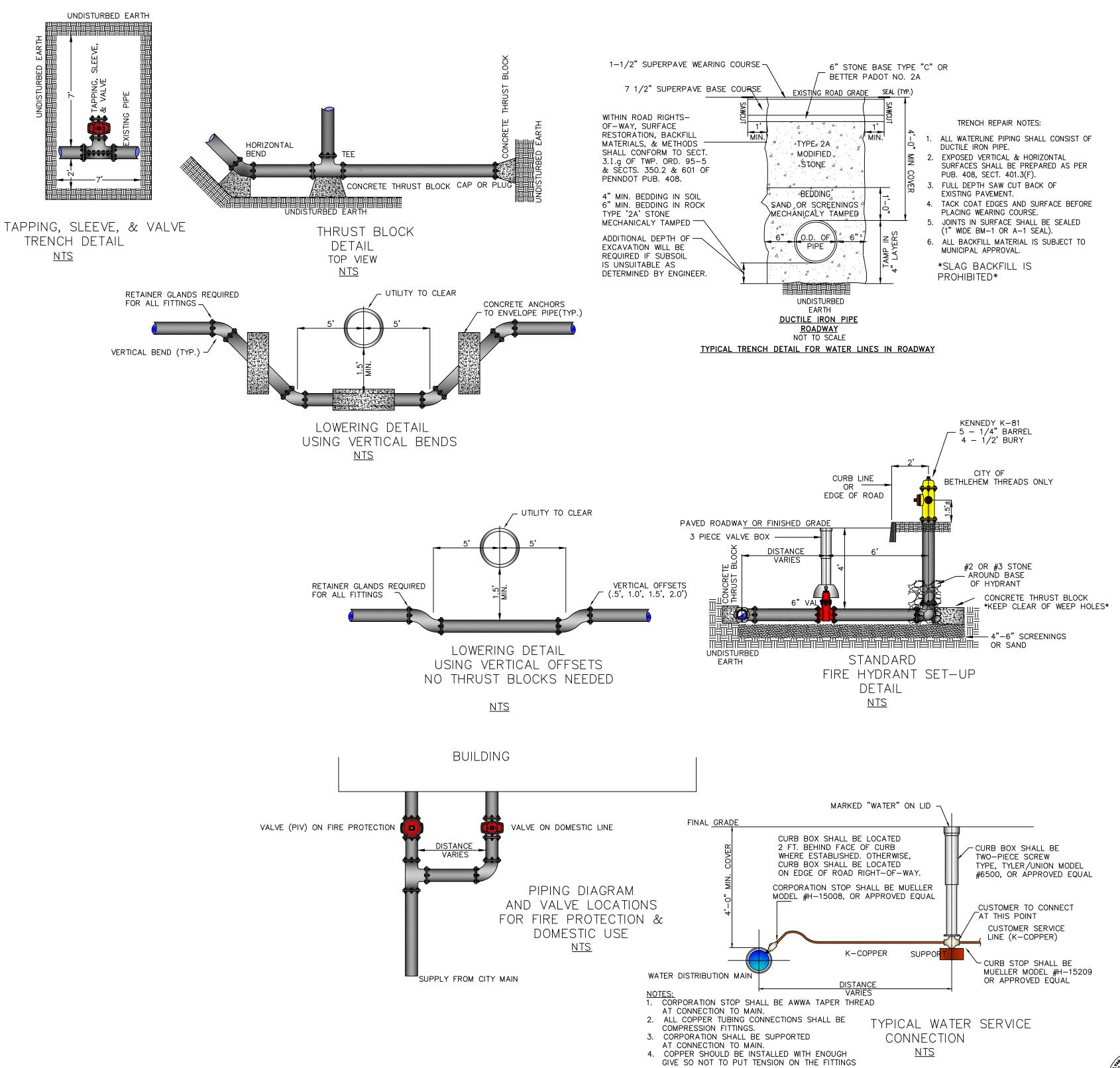




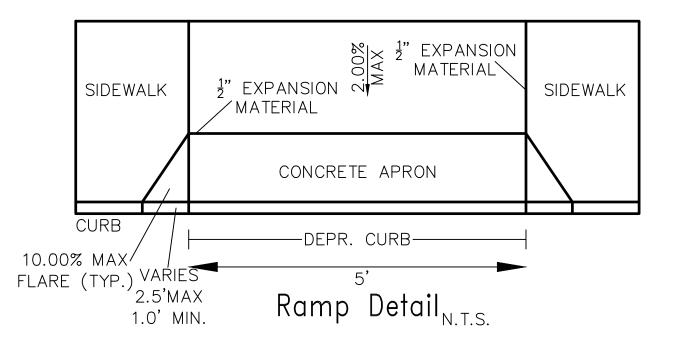


SERVICE LATERAL RISER DETAIL





# WATER DETAILS



## WATERLINE NOTES

- 1. WATERLINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF BETHLEHEM STANDARDS AND PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION REGULATIONS AS
- 2. WATERLINES SHALL BE CLASS 52 DUCTILE IRON PIPE OF THE SIZES INDICATED ON THE PLANS.

WHEN BACKFILLED.

- 3. WATER SERVICES SHALL BE 8-INCH DUCTILE IRON PIPE WITH PLUGGED ENDS, UNLESS OTHERWISE NOTED.
- 4. PROVIDE 10-FEET OF HORIZONTAL SEPARATION BETWEEN WATERLINES AND SANITARY SEWERS OR STORM SEWERS. WHERE A WATERLINE CROSSES A SANITARY OF STORM SEWER, PROVIDE A VERTICAL SEPARATION OF 18-INCHES BETWEEN THE PIPES AND CENTER A FULL LENGTH OF WATERLINE ACROSS THE SEWER LINE TO MAXIMIZE THE DISTANCE OF THE JOINTS FROM THE SEWER LINE.
- 5. ALL ELEVATIONS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM. 6. FIRE PROTECTION WATER SERVICE LATERALS SHALL BE 6" DUCTILE IRON PIPE CLASS 52
- 7. EXISTING UTILITIES ARE IN THE SAME GENERAL AREA AND ADDITIONAL CAUTION IS REQUIRED.



BEFORE YOU DIG - DRILL - BLAST Call 1-800-242-1776 (TOLL FREE)

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#### PENNSYLVANIA OPEN RECORDS LAW ALL PLANS AND DOCUMENTS FILED WITH A MUNICIPALITY, AND WHICH BECOME PUBLIC RECORD, MAY BE REPRODUCED FOR INFORMATIONAL PURPOSES ONLY AND

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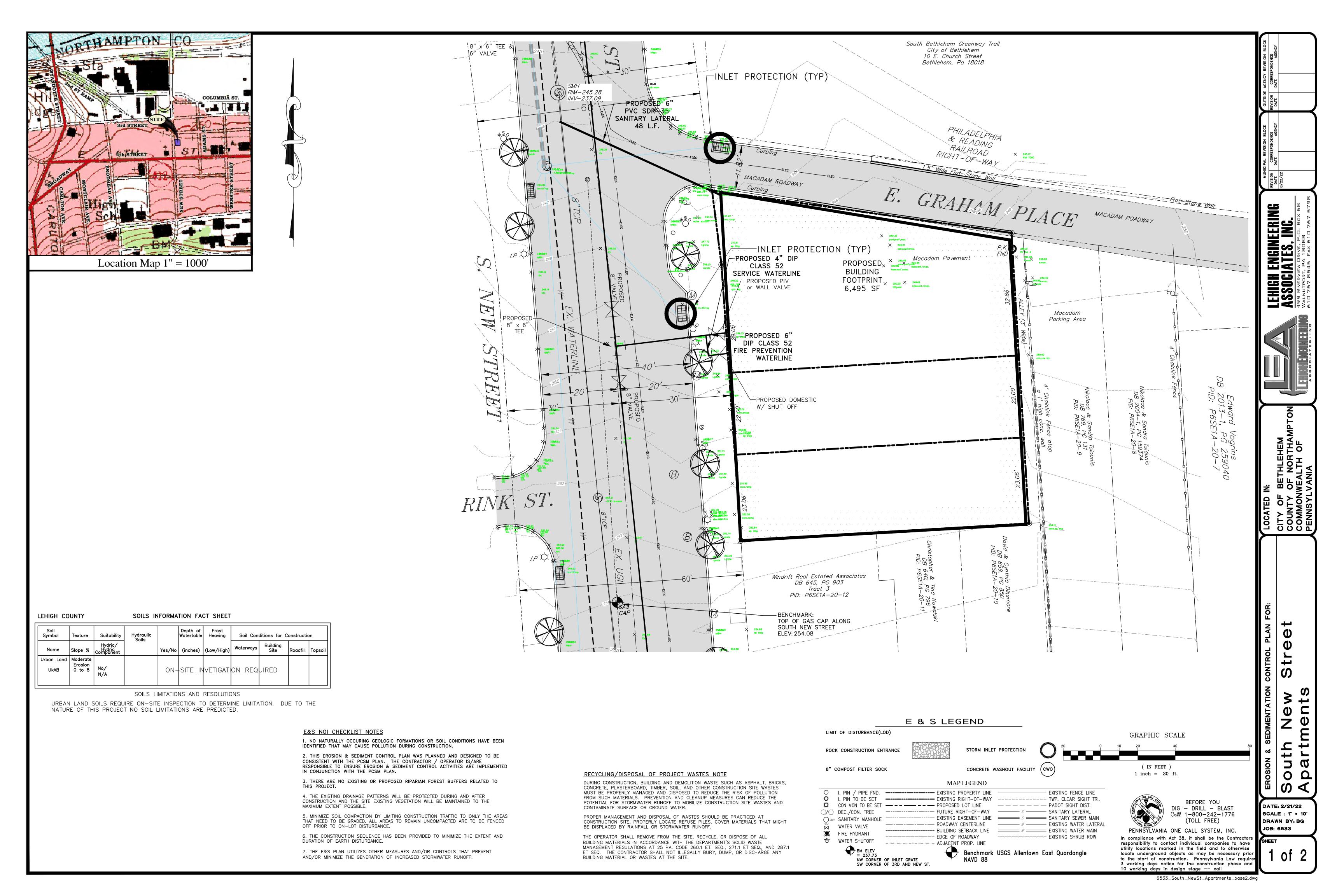
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SHEET



ALL EARTH DISTURBANCE, 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 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. 2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE 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 CONVERSATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.

. AT LEAST 3 DAYS PRIOR TO ANY EARTH DISTURBANCE ACTIVITIES. OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-262-1776 FOR LOCATION OF EXISTING UNDERGROUND UTILITIES.

THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.

4. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED WITH THE SEQUENCE PROVIDED ON

5. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL.

. CLEANING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGES 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 BMP'S SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DECRIED 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. THESE AREAS MUST BE CLEARLY MARKED AND FENCE OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN. 8. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAPS(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRÀDING 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

9. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING 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 LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.

10. ALL BUILDING MATERIALS AND WASTE 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., 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTE OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED

11. 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 2. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL ON SITE IS CLEAN FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASED OF REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN

FILL DUE TO ANALYTICAL TESTING. 13. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.

14. VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM THE CONSTRUCTION AREA. ALL VEHICLES AND EQUIPMENT MUST UTILIZE A ROCK CONSTRUCTION ENTRANCE, AS INDICATED ON THE PLAN.

15. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMP'S AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.

16. A LOG SHOWING DATES THAT BMP'S 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 OFFICIALS AT THE TIME OF INSPECTION.

17. 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 A ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.

18. ALL SFDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES.

9. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES (6 TO 12 INCHED ON COMPACTED SOILS) PRIOR TO THE 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 MINIMUM OF 2 INCHES OF TOPSOIL.

20. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE, OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES, AND CONDUIT, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES. . ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES

2. 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.

3. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIAL SHALL NOT BE INCORPORATED INTO FILLS.

24. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES. 25. SEEPS OR SPRING ENCOUNTERED DURING CONSTRUCTION SHALE BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.

26. ALL GRADING 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

27. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY 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.

28. 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

29. E&S BMP'S 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 OR THE DEPARTMENT.

30. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNERS AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S

31. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMP'S MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMP'S. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMP'S SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATION

32. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.

33. FAILURE TO CORRECTLY INSTALL E&S BMP'S, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMP'S 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 PENALTIES FOR EACH VIOLATION.

34. ALL CONSTRUCTION VEHICLES ENTERING OR EXITING THE CONSTRUCTION AREA MUST UTILIZE CONSTRUCTION ENTRANCES.

35. CONCRETE WASH WATER: IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.

36. ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIAL/WASTES.

UNDERGROUND UTILITIES CUTTING THROUGH ANY ACTIVE CHANNEL SHALL BE IMMEDIATELY BACKFILLED AND THE CHANNEL RESTORED TO ITS ORIGINAL CROSS-SECTION AND PROTECTIVE LINING. ANY BASE FLOW WITHIN THE CHANNEL SHALL BE CONVEYED PAST THE WORK AREA IN THE MANNER DESCRIBED IN THIS PLAN UNTIL SUCH RESTORATION IS COMPLETE

38. EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS

39. FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIAL

40. ALL EXISTING UTILITIES SHOWN ON THE PLANS, ABOVE OR UNDERGROUND, ARE SHOWN AT THEIR APPROXIMATE LOCATIONS. ALSO THE ENGINEER DOES NOT GUARANTEE ALL EXISTING UTILITIES ON SITE ARE SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTENCE OF ALL UTILITIES AND TO CALL THE PENNSYLVANIA ONE CALL SYSTEM (TOLL FREE 1-800-242-1776) BEFORE THEY DIG, DRILL, OR BLAST.

41. THE OPERATOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED. 42. THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF THE APPENDIX 64, EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUBPART C, PROTECTION OF NATURAL RESOURCES, ARTICLE

43. STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.

#### SCHEDULE FOR INSPECTION

Upon completion of each stage of development, all erosion control device (permanent and/or temporary) shall be inspected for adequacy.

III, WATER RESOURCES, CHAPTER 102, EROSION CONTROL.

The permittee and co-permittee must ensure that visual site inspections are conducted bi-weekly, and after each runoff event by auglified personnel, trained and experienced in erosion and sediment control, to ascertain that the BMP's are operational and effective in preventing pollution to the waters of the Commonwealth. A written report of each inspection shall be kept, and include: (1) a summary of site conditions, BMP's, and compliance; and

(2) the date, time, and the name of the person conducting the

поросстотт.	
DEVICE	NECESSARY REPAIR
Stockpiled Topsoil	Re—seed or re—mulch any areas where seeding has been damaged by water runoff or seeding techniques have not sufficiently germinated.
Fabric Fencing /Compost Socks	Cleanout upon silt reaching one half the fence or sock height, replacing any damaged posts, fabric, or sections immediately.
Rock Filter	Cleanout upon silt reaching 1/2 the stone height, replacing any stone immediately.
Construction Entrance	Replace and reposition any moved stones.
Seeding and Mulching	Re—seed or re—mulch any areas where seeding has been damaged by water runoff or seeding techniques have not sufficiently germinated.
Storm Inlet Protection	Cleanout upon sediment reaching one half the berm height, replace and reposition moved stone.

#### These repair techniques will be performed upon any damage or worn erosion control device.

Replacement of any erosion control item will be determined upon completion of a stage, or after a serious erosion producing runoff event. It will be at this time that any device will be repaired or replaced. The inspector will make these decisions.

### RECYCLING/DISPOSAL OF PROJECT WASTES NOTE

DURING CONSTRUCTION, BUILDING AND DEMOLITION WASTE SUCH AS ASPHALT, BRICKS, CONCRETE, PLASTERBOARD, TIMBER, SOIL, AND OTHER CONSTRUCTION SITE WASTES MUST BE PROPERLY MANAGED AND DISPOSED TO REDUCE THE RISK OF POLLUTION FROM SUCH MATERIALS. PREVENTION AND CLEANUP MEASURES CAN REDUCE THE POTENTIAL FOR STORMWATER RUNOFF TO MOBILIZE CONSTRUCTION SITE WASTES AND CONTAMINATE SURFACE OR GROUND WATER.

PROPER MANAGEMENT AND DISPOSAL OF WASTES SHOULD BE PRACTICED AT CONSTRUCTION SITE, PROPERLY LOCATE REFUSE PILES, COVER MATERIALS THAT MIGHT BE DISPLACED BY RAINFALL OR STORMWATER RUNOFF.

THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET. SEQ., 271.1 ET SEQ., AND 287.1 ET SEQ. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIAL OR WASTES AT THE SITE.

### TOPSOIL SUPPLEMENT AND SPECIFICATIONS

IMMEDIATELY AFTER EACH SECTION OF FINAL GRADING HAS BEEN COMPLETED, ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED. TO ACHIEVE THIS A THIN LAYER OF TOPSOIL, 2 TO 4 INCH DEPTH, SHALL BE EVENELY DISPERSED OVER ALL DISTURBED AREAS THEN PERMANENTLY SEEDED AND MULCHED ACCORDING TO THE

IN THE EVENT THAT THE SITE DOES NOT HAVE ENOUGH NATIVE TOPSOIL TO COVER THE DISTURBED AREAS, THE CONTRACTOR SHALL MAKE ARRANGEMENTS TO EXTRACT TOPSOIL FROM ANOTHER SITE THAT HAS BEEN PRE-APPROVED BY THE COUNTY

### TEMPORARY SEEDING / INTERIM STABILIZATION

PERMANENT STABILIZATION MEASURES SHALL BE IMPLEMENTED IMMEDIATLEY ON ANY DISTURBED AREA AFTER THE FINAL EARTH MOVING HAS BEEN COMPLETED OR WHERE THE ACTIVITY CEASES FOR ANY LEGTH OF TIME.

TEMPORARY SEEDING AND MULCHING TECHNIQUES WILL BE UTILIZED IN DISTURBED AREAS PRIOR TO THE FINAL STAGE OF PERMANENT STABILIZATION. SUCH AREAS WILL CONSIST OF STOCKPILED TOPSOIL, EARTH BERMS, ETC.

TEMPORARY SEED TYPES ARE: ANNUAL RYEGRASS, WINTER WHEAT, AND WINTER RYE. SEED SHALL BE APPLIED AT A RATE OF 5 LBS. PER 1000 SQ. FT. TEMPORARY SEEDING MAY TAKE PLACE FROM SPRING TO OCTOBER 1.

TEMPORARY MULCH TYPES: TIMOTHY HAY, WHEAT, OR OAT STRAW. MULCH SHALL BE APPLIED EVENLY AT A RATE OF 3 TONS PER ACRE.

#### STANDARD WORKSHEET #7 TEMPORARY AND PERMANENT SEEDING SPECIFICATIONS

SPECIES\*:

% PURE LIVE SEED: APPLICATION RATE: \_LB./ACRE FERTILIZER TYPE: <u>10-10-10</u> (x-x-x) FERTILIZER APPL. RATE: \_\_LB./ACRE LIMING RATE: \_T./ACRE MULCH TYPE: Timothy Hay, Wheat or Oat Straw MULCHING RATE: (PERMANENT) SPECIES\*: <u>Bluegrass</u> Redtop Ryegrass % PURE LIVE SEED: <u>20</u> lb./acre APPLICATION RATE: FERTILIZER TYPE: 10-20-20 (X-X-X) FERTILIZER APPL. RATE: LB./ACRE LIMING RATE: T./ACRE MULCH TYPE: Timothy Hay, Wheat or Oat Straw MULCHING RATE: Emulsified Ashalt ANCHOR MATERIAL: spray binder
80-120 pounds

RATE OF ANCHOR MATERIAL APPL.: SEEDING SEASON DATES: SPECIES\*: Fine Fescue Redtop Ryegrass (PERMANENT-STEEP SLOPE) (> 3:1) % PURE LIVE SEED: APPLICATION RATE: <u>40</u> FERTILIZER TYPE: FERTILIZER APPL. RATE: LIMING RATE: MULCH TYPE: MULCHING RATE:

ANCHORING METHOD:

\_\_\_\_\_10-20-20 (X-X-X) <u> 1000 </u> \_LB./ACRE \_T./ACRE <u>Timothy Hay, Wheat or Oat Straw</u> ANCHOR MATERIAL <u>Emulsified Ashalt</u> ANCHORING METHOD: <u>spray binder</u> RATE OF ANCHOR MATERIAL APPL. SEEDING SEASON DATES: <u>May 15 to October 1</u>

pounds per acre

<u>May 15 to October 1</u>

\_\_\_\_\_Annual Ryegrass

NOTE: The seed mixtures used for permenent stabilization require the addition of a nurse crop of spring oats (spring) at 64 lbs per acre, or annual rye grass (spring and fall) at 10 lbs per acre. or winter wheat (fall) at 90 lbs per acre, or winter rye (fall)

Straw mulch shall be applied in long strands, not finely chopped or finely broken.

### ENVIRONMENTAL DUE DILIGENCE NOTE

APPLICANTS AND/OR OPERATORS MUST USE ENVIRONMENTAL DUE DILIGENCE TO ENSURE THAT THE FILL MATERIAL ASSOCIATED WITH THIS PROJECT QUALIFIES AS CLEAN FILL. DEFINITIONS OF CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE ARE PROVIDED BELOW. ALL FILL MATERIAL MUST BE USED IN ACCORDANCE WITH THE PADEP'S POLICY "MANAGEMENT OF FILL", DOCUMENT NUMBER 258-2182-773. A COPY OF THIS POLICY IS AVAILABLE ONLINE AT WWW.DEPWEB.STATE.PA.US. UNDER THE HEADING QUICK ACCESS ON THE LEFT SIDE OF THE SCREEN, CLICK ON "FORMS AND PUBLICATIONS." ON THE LEFT SIDE OF THE SCREEN CLICK ON "TECHNICAL GUIDANCE DOCUMENTS - FINAL." THEN TYPE THE DOCUMENT NUMBER 258-2182-773 INTO THE SEARCH WINDOW AND CONDUCT THE SEARCH. CLICK ON "MANAGEMENT OF 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.)

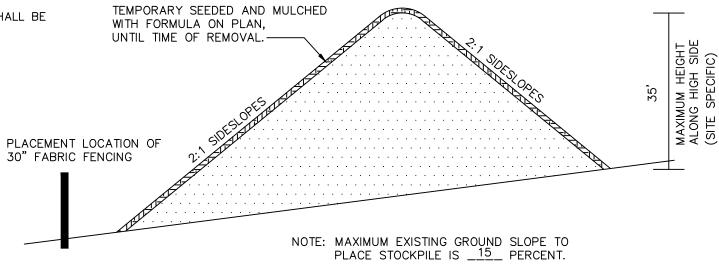
CLEAN FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE: FILL MATERIALS AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE STILL QUALIFIES AS CLEAN FILL PROVIDED THE TESTING REVEALS THAT THE FILL MATERIAL CONTAINS CONCENTRATIONS OF REGULATED SUBSTANCES THAT ARE BELOW THE RESIDENTIAL LIMITS IN TABLES FP-1A AND FP-1B FOUND IN PADEP'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 FI 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

ENVIRONMENTAL DUE DILIGENCE: INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC 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. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF PADEP'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 PADEP'S MUNICIPAL OR

### MAXIMUM ALLOWABLE HEIGHT OF STOCKPILE IS 35 FEET. SEE SITE SPECIFIC CONDITIONS

BELOW.



### MAINTENANCE:

1. The stockpiled topsoil and fill material will be inspected on a daily basis and after every runoff event. All necessary repairs will be made immediately.

2. All stockpiles will be temporary seeded and mulched at all times.

SOIL STOCKPILES AND MAINTENANCE

NOT TO SCALE

RESIDUAL WASTE REGULATIONS BASED ON 25 PA. CODE CHAPTERS 287 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE.

TABLE 4.1 COMPOST FILTER SOCK-—2 IN. x 2 IN. WOODEN STAKES COMPOST SOCK FABRIC MINIMUM PLACED 10 FT ON CENTER BLOWN /PLACED SPECIFICATIONS FILTER MEDIA-MULTI-FILAMENT UNDISTURBED AREA TYPE POLYPROPYLENE (MFPP) DISTURBED AREA PHOTO-DEGRADABLE CHARACTERISTICS SOCK DIAMETERS MESH OPENING 3/8" DISTURBED AREA TENSILE STRENGTH 44 PSI ULTRAVIOLET 100% AT 1000 HR STABILITY % STRENGTH (ASTW G-155) 1 YEAR FUNCTIONAL LONGEVITY UNDISTURBED AREA WOODEN STAKES TABLE 4.2 PLACED 10 FT ON COMPOST STANDARDS PLAN VIEW Organic Matter Content 25% - 100% (Dry Weight basis) Fibrous and elongated Moisture Content 30%-60% Particle Size 30%-50% Pass Through 3/8" Sieve Soluble Salt concentration 5.0 dS/m (mmhos/cm) maximum

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.

REPLACED WITHIN 24 HOURS OF INSPECTION.

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.

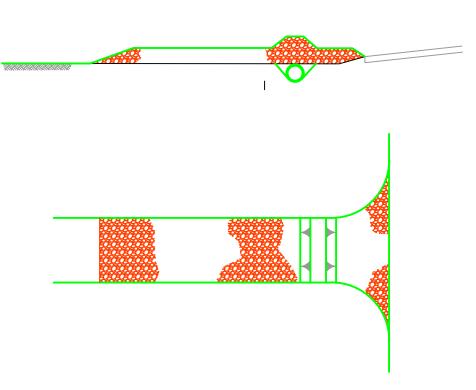
TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

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

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.

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



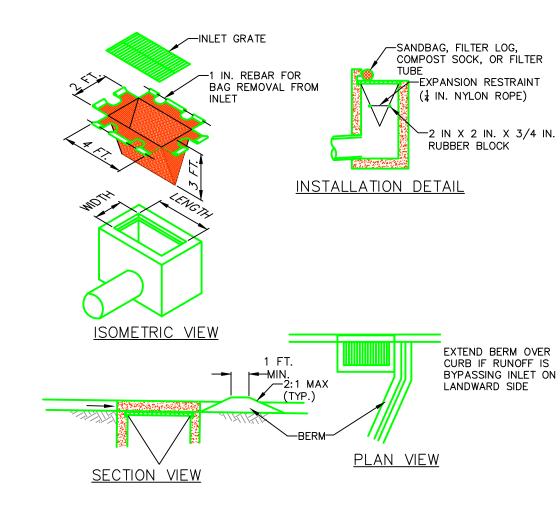
REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.

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

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

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

> STANDARD CONSTRUCTION DETAIL #3-1 **ROCK CONSTRUCTION ENTRANCE**

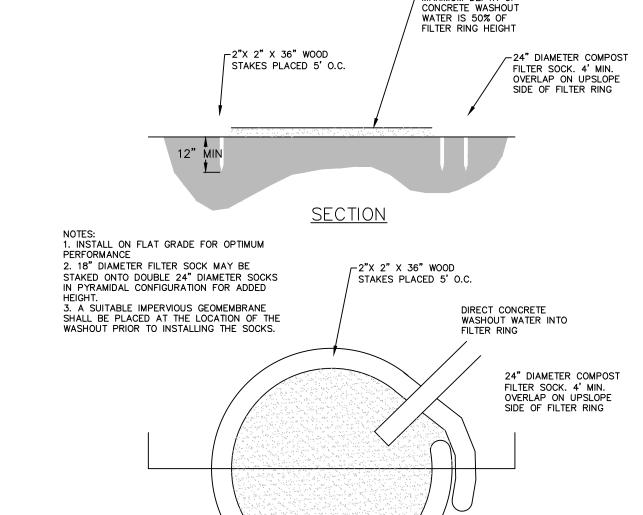


MAXIMUM DRAINAGE AREA = 1/2 ACRE.

INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS. ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT. AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40

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 R REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS. STANDARD CONSTRUCTION DETAIL #4-15 FILTER BAG INLET PROTECTION - TYPE C INLET



TYPICAL COMPOST SOCK WASHOUT INSTALLATION NOT TO SCALE

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