LOCATION MAP 1" = 2,000'

APPLICANT / RECORD OWNER

46-52 WEST BROAD STREET, LLC ATTN: ROCCO AYVAZOV 3376 LINDEN STREET, SUITE 200 BETHLEHEM, PA 18017 (610) 419-0032

STATEMENT OF INTENT

THE APPLICANT INTENDS TO REDEVELOP THE SUBJECT PROPERTY BY EXPANDING THE EXISTING BUILDING TO CREATE A 7-STORY (PLUS 1 BELOW-GRADE LEVEL) MIXED-USE BUILDING COMPRISING AN EXPERIENCE CENTER, A 2-STORY RESTAURANT, 61 DWELLING UNITS (28 1-BRS AND 33 2-BRS) WITH RESIDENT COMMON AREAS AND AMENITIES, A LOWER LEVEL POLICE TRAINING CENTER, LOADING/UNLOADING ACCOMMODATIONS, UTILITY SERVICE AND ROOF DRAIN CONNECTIONS, SITE LANDSCAPING, AND RELATED PUBLIC AND PRIVATE IMPROVEMENTS, ALL AS DEPICTED HEREIN.

SITE DATA

RECORD OWNER: 46-52 WEST BROAD STREET, LLC PROPERTY ADDRESS: 46-52 WEST BROAD STREET TAX MAP REFERENCE. P6NE1D-7-10 DEED REFERENCE: D.B.V. 2025-1, PG. 46171 EX. LOT AREA (BY DEED): 18,145 S.F./0.4166 AC. CITY WARD/BLOCK: CENTRAL BUSINESS DISTRICT (CB) ZONING CLASSIFICATION: CITY OF BETHLEHEM CITY OF BETHLEHEM SANITARY SEWER: NO. EXISTING/PROPOSED LOTS:

ZONING DATA

CENTRAL BUSINESS (CB) ZONING DISTRICT (MIXED COMMERCIAL/MULTI-FAMILY RESIDENTIAL USE)

	PER ORD.	PER PLAN
MIN. LOT AREA:	1,800 S.F.	18.1K S.F
MIN. LOT WIDTH:	18 FEET	198 FEET
FRONT YARD SETBACK:	0 FEET	O FEET
SIDE YARD SETBACK (EACH):	O FEET	O FEET
REAR YARD SETBACK:	O FEET	O FEET
MAX. BUILDING HEIGHT:	150 FEET	110± FEET
MAX. BUILDING COVER:	100%	95%
MAX. IMPERVIOUS COVER:	100%	100%

OFF-STREET PARKING SPACE TABULATION

MIXED COMMERCIAL/MULTI-FAMILY RESIDENTIAL USE

NO OFF-STREET PARKING REQUIRED IN CB ZONING DISTRICT PER ZO SECTION 1319.01(a)



DIAL 8-1-1 OR 1-800-242-1776 NOT LESS THAN 3 BUSINESS DAYS NOR MORE THAN 10 BUSINESS DAYS PRIOR TO THE START OF EXCAVATION PRELIM. DESIGN SERIAL NUMBER: 0000000000-000 FINAL DESIGN SERIAL NUMBER:

KEYSTONE CONSULTING ENGINEERS, INC., PREPARED THESE DRAWINGS FOR THE PURPOSE OF THE DESIGN OF THE SUBDIVISION OR LAND DEVELOPMENT IMPROVEMENTS SHOWN. PURSUANT TO THE REQUIREMENTS OF PA ACT 287 OF 1974. AS AMENDED, KEYSTONE CONSULTING ENGINEERS, INC., HAS:

- . REQUESTED LINE AND FACILITY INFORMATION FROM A ONE CALL SYSTEM NOT LESS THAN TEN NOR MORE THAN NINETY WORKING DAYS BEFORE FINAL DESIGN IS TO BE COMPLETED.
- 2. SHOWN UPON THE DRAWINGS THE POSITION AND TYPE OF EACH FACILITY OWNER'S LINE, DERIVED PURSUANT TO THE REQUEST MADE. INCLUDING THE FACILITY OWNER'S NAME OFFICE ADDRESS AND TELEPHONE NUMBER AS SHOWN ON THE LIST MAINTAINED BY THE ONE-CALL SYSTEM;
- 3. MADE A REASONABLE FEFORT IN PREPARATION OF THE CONSTRUCTION DRAWINGS TO AVOID DAMAGE TO AND MINIMIZE INTERFERENCE WITH THE FACILITY OWNER'S FACILITIES IN THE CONSTRUCTION AREA BY MAINTAINING AN EIGHTEEN-INCH CLEARANCE OF THE FACILITY OWNER'S
- 4. SHOWN UPON THE DRAWINGS THE SERIAL NUMBER AND DATE OF THE ONE CALL NOTICE.

KEYSTONE CONSULTING ENGINEERS, INC., MAKES NO REPRESENTATION, ASSURANCE, OR GUARANTEE THAT THE INFORMATION OBTAINED AS NOTED ABOVE AND ILLUSTRATED HEREON ACCURATELY DEPICTS FIELD CONDITIONS. ALL CONTRACTORS PERFORMING ACTUAL EXCAVATION OR DEMOLITION WORK ON THIS SITE ARE HEREBY ALERTED TO THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE ONE-CALL SYSTEM AS REQUIRED BY ACT 287, AS AMENDED.

GENERAL NOTES

- I. ANY AND ALL SITE IMPROVEMENTS, PUBLIC AND PRIVATE, PROPOSED HEREIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF BETHLEHEM CONSTRUCTION STANDARDS IN EFFECT AT THE TIME OF LAND DEVELOPMENT APPROVAL.
- 2. DRAINAGE EASEMENTS PROPERTY OWNER(S) THEIR HEIRS, SUCCESSORS, AND ASSIGNS SHALL BE PERPETUALLY RESPONSIBLE TO MAINTAIN EXISTING AND PROPOSED EASEMENTS LOCATED ON THEIR RESPECTIVE PROPERTIES IN A GRASSED OR OTHERWISE IMPROVED CONDITION IN ACCORDANCE WITH THE GRADES AND DESIGNS INDICATED ON THE APPROVED LAND DEVELOPMENT PLANS FOR THE PROJECT. DRAINAGE EASEMENTS PROVIDE FOR THE FLOW OF STORMWATER ACROSS LOTS AND MAY NOT BE ALTERED WITHOUT WRITTEN PERMISSION OF THE CITY ENGINEER. NO OBSTRUCTIONS SUCH AS PLANTING BERMS OR FENCES, OTHER THAN THOSE DEPICTED HEREIN, MAY BE INSTALLED IN DRAINAGE EASEMENTS WITHOUT MAKING SUFFICIENT PROVISIONS FOR THE PASSAGE OF STORMWATER. ANY SUCH PROPOSED PROVISIONS SHALL BE APPROVED IN WRITING BY THE CITY ENGINEER. IT IS INTENDED THAT THE MAINTENANCE RESPONSIBILITIES IMPOSED HEREUNDER SHALL BE A COVENANT RUNNING WITH THE LAND AND ENFORCEABLE AGAINST ALL FUTURE OWNERS.
- 3. ELECTRIC UTILITY SERVICE LINES (E.G. ELECTRIC POWER, CABLE TV, TELECOMMUNICATION) SHALL BE INSTALLED UNDERGROUND.
 INSTALLATION OF UNDERGROUND FACILITIES SHALL BE SO
 LOCATED AS TO PERMIT MULTIPLE INSTALLATIONS WITHIN A COMMON TRENCH WHERE FEASIBLE.

AGAINST ALL FUTURE OWNERS.

- 4. EXISTING NATURAL SLOPES WITHIN THE PROPOSED BUILDING REA RANGE FROM APPROXIMATELY 0 TO 6 PERCENT.
- 5. <u>SITE IMPERVIOUS COVERAGE</u> 0 S.F. NET INCREASE 6. BY SUBMISSION OF THESE PLANS, THE ENGINEER OF RECORD CERTIFIES THAT THESE PLANS ARE IN COMPLETE CONFORMANCE WITH THE CITY OF BETHLEHEM STORM WATER
- 7. 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 REVISION DATE.
- 8. <u>PERMITS</u> PRIOR TO ANY WORK WITHIN PUBLIC RIGHTS—OF—WAY, PERMITS MUST BE OBTAINED FROM THE CITY OF BETHLEHEM ENGINEERING OFFICE.

REPLACEMENT OR INSTALLATION IN EXCESS OF 20 LINEAR FEET. AS-BUILT PLAN REQUIREMENTS ACCURATE AS-BUILT PLANS SHALL BE KEPT CURRENT DURING THE CONSTRUCTION PROCESS. AT THE COMPLETION OF THE PROJECT, RECORD DRAWINGS SHALL BE PREPARED FROM AS-BUILT PLANS AND SUBMITTED TO THE CITY ENGINEER'S OFFICE. ALL FINAL

A WARRANT OF SURVEY IS REQUIRED FOR ANY CURB.

N/F BETHLEHEM PARKING AUTHORITY

PARCEL ID: P6NE1D-1-1

DBV: 2000-1, PG: 163535

85 W. NORTH ST.

POSH PROPERTIES NO 32

PARCEL ID: P6NE1D-6-5

DBV: 2014-1, PG: 9449

60 W. BROAD ST.

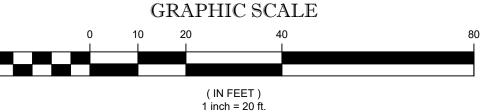
DRAWINGS SHALL SHOW NORTH AMERICAN DATUM (NAD) 1983 STATE PLANE COORDINATES IN FEET (PA SOUTH, FIPS ZONE 3702) AND THE DIGITAL FILE SHALL BE IN STATE PLANE FEET COORDINATES AS APPLICABLE. HARD COPIES OF RECORD DRAWINGS SHALL BE IN THE FORM OF MYLAR COPIES. THE ENGINEER OF RECORD SHALL CERTIFY (I.E. P.E. STAMPED AND ENGINEER OF RECORD SHALL CERTIFY (I.E. P.E. STAMPED AND SIGNED) THAT THE RECORD DRAWINGS COMPLY SUBSTANTIALLY WITH THE APPROVED PLANS AND THAT THEY CONFORM TO INDUSTRY STANDARDS. ALL DIGITAL FILES SHALL RESIDE ON A PC COMPATIBLE CD—ROM CONTAINING THE DIGITAL REPRESENTATION OF THE FINAL PLAN AS PRESENTED ON TWENTY—FOUR BY THIRTY—SIX INCH SHEETS. DIGITAL PLANS SHALL BE AUTOCAD COMPATIBLE. ALL DRAWING LAYERS INCLUDED IN THE DIGITAL PLANS SHALL BE THE STANDARDIZED LAYERS PREPARED AND UTILIZED BY THE CITY'S EVISTING COMPATIBILITY WITH THE CITY'S EVISTING CAMPAIRMENT. TO ENSURE COMPATIBILITY WITH THE CITY'S EXISTING CAD

STANDARDS AND AS DESCRIBED IN APPENDIX A OF THE CITY'S

- SUBDIVISION AND LAND DEVELOPMENT ORDINANCE. THE CITY'S EXISTING CADD STANDARDS MUST BE REVIEWED AND REVISED TO BE COMPATIBLE WITH THE CITY'S CURRENT GIS SYSTEM BICYCLE ACCOMMODATIONS FACILITIES FOR THE PARKING AND STORAGE OF BICYCLES FOR RESIDENTS WILL BE PROVIDED
- INTERNAL TO THE PROPOSED BUILDING. . RECYCLING AND WASTE COLLECTION SERVICES WILL BE PROVIDED BY A PRIVATE HAULER UNLESS ALTERNATE ARRANGEMENTS ARE MADE WITH THE CITY FOR RECYCLING SERVICES. CONTAINERS WILL BE STORED INTERNAL TO THE PROPOSED BUILDING. NUMBERS AND SIZES OF CONTAINERS AND FREQUENCY OF SERVICE WILL BE PROVIDED AS—NEEDED AND WILL BE DETERMINED ONCE OCCUPANT DEMOGRAPHICS HAVE REFN. IDENTIFIED. HAVE BEEN IDENTIFIED.

12. A KNOX BOX RAPID ENTRY SYSTEM FOR THE PROPOSED BUILDING SHALL BE PROVIDED IN ACCORDANCE WITH CITY OF BETHLEHEM SPECIFICATIONS AT A LOCATION TO BE APPROVED BY THE CITY OF BETHLEHEM FIRE MARSHAL.

- 13. A FIRE DEPARTMENT CONNECTION FOR THE PROPOSED BUILDING SHALL BE LOCATED AS DEPICTED HEREIN UNLESS AN ALTERNATE LOCATION IS APPROVED BY THE CITY OF BETHLEHEM FIRE MARSHAL.
- 4. <u>MAILING ADDRESSES</u> RESTAURANT 46 W. BROAD STREET EXPERIENCE CENTER, POLICE TRAINING FACILITY, AND DWELLING UNITS - 52 W. BROAD STREET UNIT NUMBERS FOR INDIVIDUAL DWELLING UNITS SHALL BE AS ASSIGNED BY THE CITY OF BETHLEHEM ENGINEERING BUREAU. OWNER SHALL COORDINATE SAME WITH THE POST OFFICE PRIOR TO ISSUANCE OF AN OCCUPANCY PERMIT BY THE CITY. 5. <u>BUILDING CODE</u> INTERNATIONAL BUILDING CODE (IBC), 2018
- EDITION, INTERNATIONAL RESIDENTIAL CODE (IRC), 2009 EDITION, OR THE MOST RECENT REVISIONS THEREOF, AND ASCE 24 AND 34 PA CODE (CHAPTERS 401-405, AS AMENDED) SHALL BE UTILIZED. FIRE CODE INTERNATIONAL FIRE CODE (IFC), 2018 EDITION, IN ITS ENTIRETY INCLUDING APPENDICES, WITH LOCAL AMENDMENTS AS ADOPTED IN ARTICLE 1501 OF THE CODIFIED ORDINANCES OF the City of Bethlehem, Ordinance 2022-1 SHALL BE UTILIZED IFC CHAPTER 33, 'FIRE SAFETY DURING CONSTRUCTION AND
- DEMOLOTION', WILL BE ENFORCED FOR THE DURATION OF THE CONSTRUCTION PROJECT. 17. <u>FLOODPLAIN</u>. NO PORTION OF THE SUBJECT PROPERTY IS LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA.
- 18. HISTORIC RESOURCE PRESERVATION THE BUILDING ON THE SUBJECT PROPERTY IS DESIGNATED A TIER 1 HISTORIC RESOURCE PER ARTICLE 1321 OF THE CITY OF BETHLEHEM ZONING ORDINANCE. REGULATED ACTIVITIES INCLUDE THE ISSUANCE OF ANY DEMOLITION PERMIT. IF DEMOLITION IS PROPOSED, ALL OR IN PART, THE APPLICANT SHALL FOLLOW PROCEDURES IN ARTICLE 1321, INCLUDING REVIEW BY THE HISTORIC CONSERVATION COMMISSION FOR APPROVAL BY CITY COUNCIL.



46 W. BROAD ST.

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HYBETH HOTEL PARTNERS LP

PARCEL ID: P6NE1D-3-1

45 W. NORTH ST.

MIXED—USE BUILDING

BETH-BOYD LLC

PARCEL ID: P6NE1D-7-8 DBV: 2021-1, PG: 54298 30-40 W. BROAD ST.

WEST BROAD STREET (VARIES - 6' - 34' - 6' - 10')

WEST RASPBERRY STREET

(3'-14'-3')

=N 89°58'16" E 95.50=

LOWER LEVEL

LOADING / REFUSE

AREA

7-STORY

MIXED-USE BUILDING

(AFOOTPRINT = 7,614 S.F)

52 W. BROAD ST.

TERRACE FLOOR 3

*_S 89*49'51" W 95.50*

 $(A_{FOOTPRINT} = 16,772 \pm S.F.)$

PLAN PREPARER'S NOTES

CONDUCTED BY KEYSTONE CONSULTING ENGINEERS INC. ON NOVEMBER 4, 2025 USING A TRIMBLE S-5 ROBOTIC TOTAL STATION AND A TRIMBLE R-8 GPS WITH KEYNET AND REPRESENTS EXISTING FEATURES AND BOUNDARY RETRACEMENT SURVEYS OF LANDS NOW OR FORMERLY OF 46-52 WEST BROAD STREET, LLC.

. THIS PLAN WAS PREAPRED BASED ON A FIELD SURVEY

- 2. LOCATIONS OF AND INFORMATION PERTAINING TO UNDERGROUND UTILITIES CONTAINED HEREIN ARE APPROXIMATE AND WERE INTERPOLATED BASED ON FIELD LOCATIONS OF OBVIOUS ABOVE-GROUND EVIDENCE. UNDERGROUND UTILITIES NOT EVIDENCED ON THE SURFACE BY MARKINGS OR STRUCTURES AT THE TIME OF THE FIELD SURVEY HAVE NOT BEEN DEPICTED HEREIN.
- 3. CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATIONS OF UNDERGROUND UTILITIES ON THE SITE IN ACCORDANCE WITH PA ACT 187 AND 121 PRIOR TO COMMENCING ANY EARTH DISTURBANCE ACTIVITY.
- 4. PROPERTY OWNERS' NAMES, DEED REFERENCES, AND TAX PARCEL IDENTIFIER INFORMATION CONTAINED HEREIN ARE BASED ON NORTHAMPTON COUNTY TAX ASSESSMENT RECORDS AND ARE SUBJECT TO THE ACCURACIES OR INACCURACIES THEREOF.
- 5. PROPERTY BOUNDARIES DEPICTED HEREIN AND ANNOTATED WITH BEARING ANGLES, DISTANCES, OR CURVE DATA DENOTE BOUNDARIES MEASURED BY THIS SURVEY. PROPERTY BOUNDARIES WITHOUT GEOMETRIC ANNOTATION MAY HAVE BEEN PLOTTED USING RECORD INFORMATION AND ARE INTENDED FOR GENERAL SITE ORIENTATION PURPOSES ONLY.
- 6. HORIZONTAL BEARING ANGLES AND COORDINATES CONTAINED HEREIN ARE BASED ON THE PA SOUTH ZONE STATE PLANE COORDINATE SYSTEM IN US FEET. DISTANCES ANNOTATED HEREIN REPRESENT GROUND MEASUREMENTS (NO GRID SCALE FACTOR HAS BEEN APPLIED).

- 7. SPOT FLEVATIONS AND CONTOUR LINES CONTAINED HEREIN ARE BASED ON GPS OBSERVATIONS USING A TRIMBLE R-8 GPS WITH KEYNET AND ARE ACCURATE WITHIN 0.15' OF THE U.S.G.S. NORTH AMERICAN VERTICAL DATUM OF 1988.
- 8. 'IRON PIN (TO BE SET)' IDENTIFIED HEREIN DENOTES A 3/4-INCH DIAMETER REINFORCING BAR WITH YELLOW PLASTIC CAP INSCRIBED "KEYSTONE ENG." TO BE SET BY KEYSTONE CONSULTING ENGINEERS, INC.
- 9. PLAN REFERENCES: PLAN REFERENCES: "BLOCK SURVEY SHOWING DEED AND OCCUPATION DISTANCES - WARD 7 BLOCK 2B", BY CITY OF BETHLEHEM DEPARTMENT OF ENGINEERING, DATED 1919, REVISED MARCH 7, 1940. 10. THIS SURVEY AND PLAN WERE PREPARED WITHOUT THE

BENEFIT OF A TITLE SEARCH AND ARE THEREFORE

SUBJECT TO ANY EASEMENTS OR OTHER PERTINENT FACTS WHICH SUCH SEARCH MAY DISCLOSE.

PLAN SHE	ET INDEX
LD1 OF 5	RECORD PLAN *
LD2 OF 5	EXISTING CONDITIONS & DEMOLITION PLAN
LD3 OF 5	SITE GRADING & UTILITIES PLAN
LD4 OF 5	SITE LANDSCAPING & SIGNAGE PLAN
LD5 OF 5	CONSTRUCTION DETAILS & SPECS PLAN
ES1 OF 2	EROSION & SEDIMENT POLLUTION CONTROL (ESPC) PLAN
ES2 OF 2	ESPC BMP DETAILS & SPECIFICATIONS PLAN
	TO BE RECORDED IN NORTHAMPTON COUNTY DEEDS OFFICE UPON APPROVAL BY CITY OF

SUBJECT PROPERTY LINE ADJOINER PROPERTY LINE OR RIGHT-OF-WAY LINE ADJOINER PROPERTY OWNER I.D. EX. ROADWAY CENTERLINE REQUIRED YARD LINE

ZONING DISTRICT BOUNDARY LINE EX. CONCRETE CURB EX. EDGE OF PAVE EX. WROUGHT IRON FENCE EX. CHAIN LINK FENCE EX. IRON PIN (OR AS NOTED) EX. CONCRETE MONUMENT PROPOSED BUILDING FOOTPRINT (AT GROUND LEVEL)

PROPOSED BUILDING FOOTPRINT PROPOSED BUILDING FOOTPRINT (BELOW GROUND LEVEL) PROPOSED IMPROVEMENT PROPOSED CONCRETE CURB PROPOSED DEPRESSED CONC. CURB

PROPOSED PUBLIC SIDEWALK EASEMENT PROPOSED PROPERTY CORNER MARKER (MAG NAIL IN CONC.)

ITALIC TEXT IN PLAN VIEW DENOTES EXISTING FEATURES WHILE UPRIGHT TEXT DENOTES PROPOSED FEATURES.

PLAN OF RECORD

RECORDED THIS _____ DAY OF _____, 20 IN THE OFFICE OF THE RECORDER OF DEEDS IN AND FOR THE COUNTY OF NORTHAMPTON, PENNSYLVANIA, IN PLAN

RECORDER OF DEEDS

PLANNING COMMISSION REVIEW

REVIEWED AND ACCEPTED FOR RECORDING BY THE CITY OF BETHLEHEM PLANNING COMMISSION THIS ____ DAY OF _____, 20____

L.V.P.C. REVIEW

REVIEWED BY THE LEHIGH VALLEY PLANNING COMMISSION

L.V.P.C. STAFF PERSON RESPONSIBLE FOR REVIEW

OWNER'S STATEMENT

I. THE UNDERSIGNED. AN AUTHORIZED SIGNATORY FOR MONOCACY GENERAL CONTRACTING, LLC (MGC), DEPOSE AND SAY THAT MGC IS THE OWNER OF THE PROPERTY HEREIN SUBDIVIDED OR DEVELOPED, THAT NO LITIGATION OR LIENS EXIST ON OR ARE PENDING AGAINST THE PROPERTY, THAT THIS PLAN HAS BEEN PROCESSED WITH OWNER'S FREE CONSENT, AND DESIRES THAT THIS PLAN BE RECORDED ACCORDING TO LAW.

SWORN AND SUBSCRIBED BEFORE ME THIS _____ DAY OF _____ , 20 ____ . IN WITNESS THEREOF, I HEREUNTO SET MY HAND AND OFFICIAL

NOTARY PUBLIC

ENGINEER'S CERTIFICATION

KEVIN J. HORVATH, A REGISTERED PROFESSIONAL ENGINEER I, KEVIN J. HORVATH, A REGISTERED PROFESSIONAL ENGINEER IN THE COMMONWEALTH OF PENNSYLVANIA, DO HEREBY CERTIFY THAT THESE PLANS AND THE ACCOMPANYING APPLICATION AND SUPPORTING DOCUMENTATION ARE TRUE AND CORRECT, TO THE BEST OF MY KNOWLEDGE.

KEYSTONE CONSULTING ENGINEERS, INC. BY KEVIN J. HORVATH, P.E. (AGENT) REGISTRATION NO. PE-060641

THIS PLAN IS NULL AND VOID UNLESS IT CONTAINS AN ORIGINAL SIGNATURE, DATE, AND PROFESSIONAL SEAL.

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT: THE SURVEY DEPICTED ON THIS PLAN WAS CONDUCTED UNDER MY SUPERVISION TO THE LOCAL STANDARDS OF CARE; THIS PLAN IS BASED ON A FIELD SURVEY COMPLETED AS OF THE DATE(S) INDICATED IN PLAN PREPARER'S NOTE 1 HEREIN; THE SURVEY REPRESENTS A
RETRACEMENT OF LANDS AS DESCRIBED IN THE DEEDS OF
RECORD LISTED IN THE SITE DATA TABLE HEREIN; AND THE
SURVEY DIMENSIONS ARE CORRECT IN THE FIELD AS
INDICATED HEREIN AND SUBSTANTIALLY MEET THE PRECISION
STANDARDS OF A "SUBURBAN" SURVEY AS PUBLISHED BY THE AMERICAN CONGRESS ON SURVEYING AND MAPPING IN 1992.
THIS SURVEY AND PLAN HAVE BEEN PREPARED WITHOUT THE
BENEFIT OF A TITLE SEARCH AND ARE THEREFORE SUBJECT
TO ANY EASEMENTS, ENCUMBRANCES, OR OTHER PERTINENT
FACTS WHICH A TITLE SEARCH MAY DISCLOSE.

KEYSTONE CONSULTING ENGINEERS, INC. DATE: BY DOUGLAS HARWICK, P.L.S. (AGENT) REGISTRATION NO. SU075503 THIS PLAN IS NULL AND VOID UNLESS IT CONTAINS AN ORIGINAL SIGNATURE, DATE, AND PROFESSIONAL SEAL.

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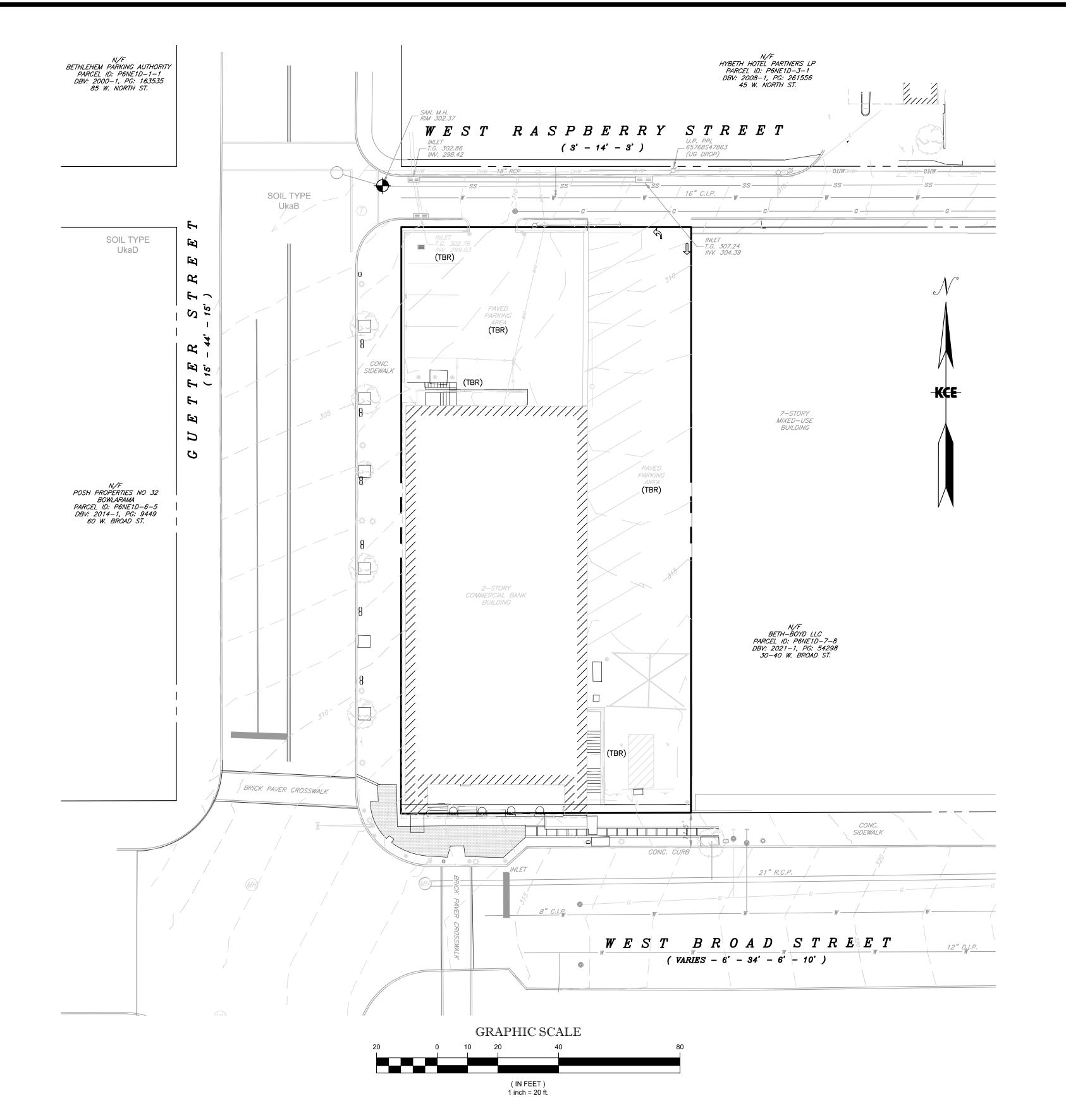
REDEVELOPI BUILDING I EST BROAD STR EHEM, PA 1801

PLAN RECORD **8**

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DEMOLITION NOTES

- CONTRACTOR SHALL REMOVE OR ABANDON—IN—PLACE AS APPLICABLE ALL ABOVE AND BELOW—GRADE STRUCTURES, SITE IMPROVEMENTS, AND TREES ON THE PROJECT SITE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.
- 2. CONTRACTOR SHALL FIELD—LOCATE AND CUT/CAP, REMOVE, AND/OR ABANDON—IN—PLACE ANY ABOVE AND BELOW—GRADE UTILITY LINES AND APPURTENANCES ON THE PROJECT SITE (THAT ARE NOT IDENTIFIED HEREIN AS TO BE REUSED) IN ACCORDANCE WITH RESPECTIVE FACILITY OWNERS STANDARDS AND SPECIFICATIONS.
- 3. CONTRACTOR SHALL FIELD—LOCATE AND REMOVE ANY ABOVE OR BELOW—GRADE STORAGE TANKS AND RELATED APPURTENANCES ON THE PROJECT SITE IN ACCORDANCE WITH PennDEP REGULATIONS.
- 4. CONTRACTOR SHALL REMOVE FROM THE PROJECT SITE, RECYCLE OR DISPOSE OF ALL CONSTRUCTION MATERIALS AND WASTE IN ACCORDANCE WITH PennDEP SOLID WASTE MANAGEMENT REGULATIONS CONTAINED IN CHAPTER 25 PA CODE 260.1 ET. SEQ., 271.1 ET. SEQ. AND 287.1 ET. SEQ. CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY CONSTRUCTION MATERIALS OR WASTE ON THE PROJECT SITE.
- 5. CONTRACTOR SHALL BE RESPONSIBLE TO IMPLEMENT ANY AND ALL MEASURES NECESSARY, INCLUDING BUT NOT LIMITED TO FENCING, BARRICADES, SHEETING AND SHORING, TEMPORARY SIGNAGE AND TRAFFIC CONTROLS, TEMPORARY PEDESTRIAN ACCOMMODATIONS, SECURITY PERSONNEL OR DEVICES, ETC., TO ADEQUATELY SECURE THE SITE, MAINTAIN A SAFE AND CLEAN WORK AREA, MAINTAIN ROADWAYS AND WALKWAYS IN A SAFE AND PASSABLE CONDITION, PREVENT INJURY TO PEDESTRIANS AND MOTORISTS, AND AVOID DAMAGE TO SURROUNDING PUBLIC AND PRIVATE PROPERTY FOR THE DURATION OF THE PROJECT.



LEGEND

SUBJECT PROPERTY LINE ADJOINER PROPERTY LINE LEGAL R/W LINE EX. ROADWAY CENTERLINE EX. SAN. SEWER EASEMENT LINE EX. FLOODPWAY/FLOODPLAIN LIMIT SOIL TYPE BOUNDARY LINE EX. CONTOUR LINE EX. CONCRETE CURB EX. EDGE OF PAVE EX. OVERHEAD UTILITY LINES EX. NATURAL GAS MAIN EX. STORM SEWER EX. WATER MAIN EX. SANITARY SEWER MAIN EX. WOOD FENCE EX. CHAIN LINK FENCE EX. TREE ROW OR EDGE OF WOODS EX. CONIFEROUS TREE EX. DECIDUOUS TREE EX. IRON PIN (OR AS NOTED) EX. CONCRETE MONUMENT (TBR) EX. FEATURE TO BE REMOVED

NOTE:
ITALIC TEXT IN PLAN VIEW DENOTES EXISTING FEATURES
WHILE UPRIGHT TEXT DENOTES PROPOSED FEATURES.

EYSTC 2870 EMR st Office:

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WELLS FARGO BANK BUILDING REDEVELOPMENT
46-52 WEST BROAD STREET
BETHLEHEM, PA 18018
CITY OF BETHLEHEM
ROORTHAMPTON COUNTY, PENNSYLVANIA
E N G

SOIL TYPE

THE FOLLOWING SOIL TYPE(S) ARE PRESENT ON THE PROJECT SITE ACCORDING TO THE CUSTOM SOIL RESOURCE REPORT GENERATED FOR THE PROJECT SITE USING THE ONLINE WEB SOIL SURVEY TOOL OPERATED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE.

1. UkaB, URBAN LAND, 0 TO 8 PERCENT SLOPES (ENTIRE DISTURBED AREA)

SOIL TYPE LIMITATIONS

UNKNOWN
 UNKNOWN

RESOLUTIONS TO SOIL TYPE LIMITATIONS

1. IF ENCOUNTERED, UNSUITABLE SOILS WILL BE REMOVED AND REPLACED OR REMEDIATED AS DIRECTED BY THE PROJECT GEOTECHNICAL ENGINEER.

2. SITE SPECIFIC TEMPORARY AND PERMANENT BMPs WERE SELECTED AND WILL BE IMPLEMENTED AND MAINTAINED DURING AND AFTER CONSTRUCTION TO MINIMIZE SOIL EROSION AND PREVENT THE TRANSPORT OF SEDIMENT BEYOND THE LIMITS OF THE PROJECT SITE TO THE EXTENT PRACTICABLE.

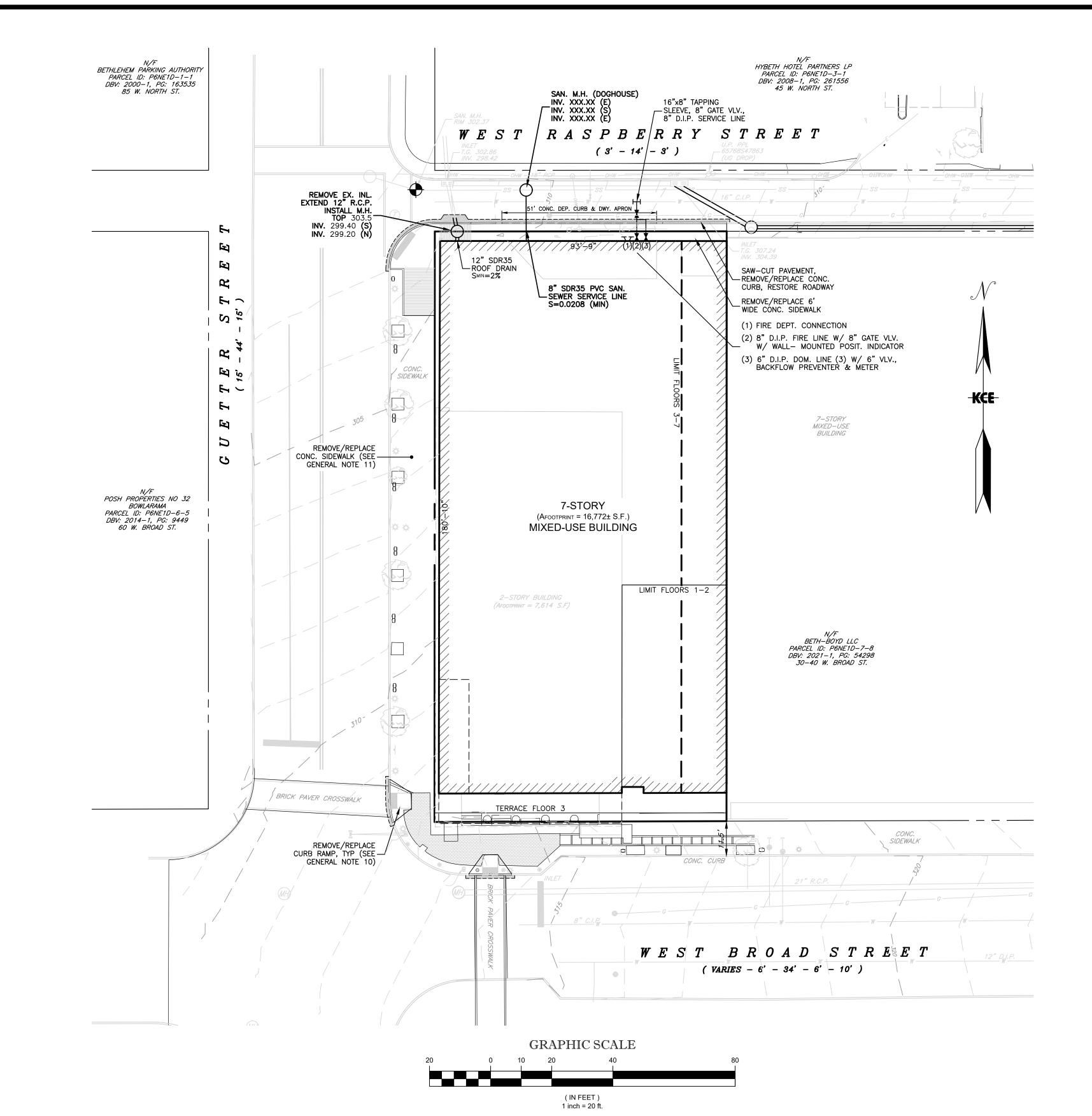
3. CONTRACTOR SHALL EXCAVATE ROCK BY MEANS OF PNEUMATIC HAMMERING OR RIPPING TO A SUFFICIENT DEPTH (MINIMUM TWO (2) FEET BELOW THE BOTTOM ELEVATION OF INFILTRATION FACILITIES) AND REPLACE SAME WITH SUITABLE MATERIAL, AS DIRECTED BY PROJECT GEOTECHNICAL ENGINEER.

GENERAL NOTES

- . ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF BETHLEHEM, PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND PENNSYLVANIA DEPARTMENT OF TRANSPORTATION STANDARDS AND DEPARTMENT OF TRANSPORTATION STANDARDS AND REGULATION AS APPLICABLE.
- . CONTRACTOR SHALL LOCATE OR CAUSE TO HAVE LOCATED ANY AND ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH PA ACT 121 PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER IN THE EVENT THAT A CONFLICT IS DISCOVERED.
- 3. PROPOSED ELEVATION CONTOUR LINES DEPICTED ON THIS PLAN REPRESENT FINAL GRADES AT THE COMPLETION OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES DURING CONSTRUCTION TO PREVENT THE PONDING OF WATER ON THE SITE.
- 4. CONTRACTOR SHALL DEWATER AND OTHERWISE MAINTAIN UTILITY TRENCHES AND OTHER EXCAVATIONS FREE OF WATER (GROUND WATER AND SURFACE WATER) AT ALL TIMES USING A PUMPED WATER FILTER BAG OR OTHER APPROVED METHODS (REFER TO PUMPED WATER FILTER BAG DETAIL ON E&S POLLUTION CONTROL DETAILS PLAN) ADDITIONALLY, CONTRACTOR SHALL PROPERTY GRADE
 ADJACENT AREAS AND TAKE ANY OTHER REASONABLE
 PRECAUTIONS NECESSARY TO PREVENT WATER FROM
 ENTERING EXCAVATIONS.
- 5. IF CONTRACTOR ENCOUNTERS SOFT OR SATURATED SOILS DEEMED UNSUITABLE BY THE PROJECT ENGINEER DURING CONSTRUCTION, CONTRACTOR SHALL EXCAVATE, REMOVE, AND REPLACE ANY SUCH UNSUITABLE MATERIAL WITH COMPACTED CLEAN FILL OR AGGREGATE MATERIAL AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
- WHERE PLACEMENT OF FILL BENEATH SETTLEMENT SENSITIVE STRUCTURES (E.G. BUILDING PADS, PARKING LOTS, UTILITY AND STORM SEWERS LINES, AND RELATED STRUCTURES) IS NECESSARY TO ACHIEVE DESIRED SUBGRADE, CONTRACTOR SHALL PLACE AND COMPACT APPROPRIATE FILL MATERIAL IN MAXIMUM 8-INCH LIFTS TO A MINIMUM OF 95% OF THE MODIFIED PROCTOR DENSITY OF THE MATERIAL (98% FOR BUILDING PADS) OR AS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER.
- SPOT ELEVATIONS AND CONTOUR LINES CONTAINED HEREIN ARE BASED ON GPS OBSERVATIONS USING A TRIMBLE R-8GPS WITH KEYNET AND ARE ACCURATE WITHIN 0.15' OF THE U.S.G.S. NORTH AMERICAN VERTICAL DATUM OF 1988. . LOCATIONS OF WATER AND SANITARY SEWER LATERALS AS DEPICTED HEREIN ARE APPROXIMATE AND COULD BE SUBJECT TO FIELD ADJUSTMENT.
- PERMITS PRIOR TO ANY WORK WITHIN PUBLIC RIGHTS-OF-WAY, PERMITS MUST BE OBTAINED FROM THE CITY OF BETHLEHEM ENGINEERING OFFICE. A WARRANT OF SURVEY IS REQUIRED FOR ANY CURB REPLACEMENT OR INSTALLATION IN EXCESS OF 20 LINEAR
- 10. CURB RAMPS DEVELOPER SHALL REPLACE EXISTING
 CONCRETE CURB RAMPS AT INTERSECTIONS OF GUETTER
 STREET AND WEST BROAD STREET AND GUETTER STREET
 AND WEST RASPBERRY STREETS WITH ADA—COMPLIANT
 BANDS
- DESIGN OF CONCRETE CURB RAMPS SHALL BE IN STRICT ACCORDANCE WITH PENNDOT PUBLICATION 72M, STANDARDS FOR ROADWAY CONSTRUCTION, RC—67M. MATERIALS AND CONSTRUCTION SHALL MEET PENNDOT PUBLICATION 408, SECTIONS 350, 409, 630, 676, 694, AND 695 STANDARDS, AS APPLICABLE. DETECTABLE WARNING SURFACES SHALL BE BRICK RED IN COLOR.
- 1. SIDEWALK DEVELOPER SHALL REPLACE CONCRETE SIDEWALK ALONG THE ENTIRE FRONTAGE OF THE SUBJECT PROPERTY ON GUETTER STREET TO INCLUDE INLAYED BRICK OR PATTERNED CONCRETE AND PROVIDE A FINISHED SURFACE APPEARANCE SIMILAR TO THAT OF THE EXISTING CONCRETE SIDEWALK ALONG THE WEST BROAD STREET FRONTAGE. PATTERNS AND COLORS SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEERING BUREAU PRIOR TO SIDEWALK CONSTRUCTION.
- DEVELOPER SHALL REPLACE ANY SIDEWALK AND CURBING ALONG THE FRONTAGES OF THE SUBJECT PROPERTY IDENTIFIED AS DEFICIENT BY THE ENGINEERING BUREAU. 2. THE SITE/PLAN BENCHMARK IS THE RIM OF THE EXISTING SANITARY SEWER MANHOLE LOCATED IN WEST RASPBERRY STREET, JUST EAST OF THE CROSSWALK AT GUETTER STREET, AND HAVING AN ELEVATION OF 302.37 FEET (ACCURATE WITHIN 0.15' OF THE U.S.G.S. NORTH AMERICAN VERTICAL DATUM OF 1988).

STORM SEWER NOTES

- STORM SEWERAGE SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF BETHLEHEM, PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, AND PENNSYLVANIA DEPARTMENT OF TRANSPORTATION STANDARDS AND REGULATION AS APPLICABLE.
- PIPING WITHIN PUBLIC RIGHTS-OF-WAY SHALL CONSIST OF HEREIN WITH RUBBER O-RING GASKETS AND SHALL MEET ASTM C76 STANDARDS FOR CLASS III WALL B PIPE.
- PIPING ON PRIVATE PROPERTY SHALL CONSIST OF DUAL-WALL (SMOOTH INSIDE, CORRUGATED OUTSIDE)
 HIGH-DENSITY POLYETHYLENE STORM SEWER PIPE (EXCEPT WHERE NOTED) OF THE SIZES INDICATED HEREIN AND SHALL INCLUDE IN-LINE BELLS AND INTEGRAL 'SOIL-TIGHT' GASKETS, AS MANUFACTURED BY ADS, HANCOR, OR
- 4. STORM SEWER STRUCTURES (I.E. INLET BOXES, TOP UNITS, MANHOLES, ENDWALLS, ETC.) AND APPURTENANCES SHALL BE PennDOT STANDARD STRUCTURES (EXCEPT AS OTHERWISE NOTED) OF THE SIZES AND TYPES INDICATED HEREIN AND SHALL MEET MINIMUM STANDARDS OF PennDOT PUBLICATION 72M, 'STANDARDS FOR ROADWAY CONSTRUCTION', LATEST EDITION.
- INLET TOPS SHALL BE FITTED WITH STRUCTURAL STEEL BICYCLE SAFE GRATES AND ADORNED WITH A 24"x 3" TROUT LOGO PLATE AND 'DUMP NO WASTE', 'DRAINS TO WATERWAYS AGS AS MANUFACTURED BY EAST JORDAN IRON WORKS, INC. (CATALOG NO. 7003PLI) OR APPROVED.
- MANHOLE FRAMES AND COVERS SHALL BE FABRICATED OF CAST IRON AND PROVIDE A MINIMUM 24-INCH DIAMETER CLEAR OPENING. MANHOLE COVERS SHALL BE CAST WITH THE WORD 'STORM' IN 2-IN. HIGH LETTERS ON THE TOP
- 7. PIPING, STRUCTURES, AND APPURTENANCES SHALL BE DESIGNED TO WITHSTAND HS-25 HIGHWAY LOADING AND SHALL MEET OR EXCEED APPLICABLE PENDOT AND ASTM STANDARDS, EXCEPT WHERE NOTED HEREIN.
- . CONNECT ROOF DRAIN DOWNSPOUTS TO LEADERS BELOW GRADE USING A PREFABRICATED WALL-MOUNT BOOT PER SPECIFICATIONS BY THE PROJECT ARCHITECT. RUN SDR35 LEADERS BELOW GRADE AND CONNECT TO ADJACENT UNDERGROUND INFILTRATION BED PER FACILITY MANUFACTURER'S INSTRUCTIONS OR DISCHARGE DOWNSPOUTS TO PRECAST CONCRETE SPLASH PADS AT GRADE (REFER TO RESPECTIVE ROOF AREAS AS INDICATED ON THE OF THE APPROVED PCSM PLAN FOR THE PROJECT).
- PROPOSED STORM SEWER STRUCTURES, PIPING, AND APPURTENANCES PROPOSED HEREIN AND LOCATED ON PRIVATE PROPERTY WILL BE PRIVATELY OWNED AND MAINTAINED BY THE PROPERTY OWNER.



SUBJECT PROPERTY LINE ADJOINER PROPERTY LINE EX. ROADWAY CENTERLINE EX. SAN. SEWER EASEMENT LINE EX. CONTOUR LINE EX. CONCRETE CURB EX. EDGE OF PAVE EX. OVERHEAD UTILITY LINES EX. NATURAL GAS MAIN EX. STORM SEWER EX. WATER MAIN (H.P. DENOTES HIGH PRESSURE) EX. SANITARY SEWER MAIN EX. WOOD FENCE EX. CHAIN LINK FENCE EX. TREE ROW OR EDGE OF EX. CONIFEROUS TREE EX. DECIDUOUS TREE EX. IRON PIN (OR AS NOTED) EX. CONCRETE MONUMENT PROPOSED BUILDING FOOTPRINT (AT GROUND LEVEL) PROPOSED IMPROVEMENT PROPOSED CONCRETE CURB PROPOSED DEPRESSED CONC. CURB PROPOSED FULL-DEPTH PAVEMENT RESTORATION PROPOSED CONCRETE PAVEMENT PROPOSED CONTOUR LINE PROPOSED WATER LINE PROPOSED SANITARY SEWER GRAVITY LINE PROPOSED STORM SEWER SITE/PLAN BENCHMARK ITALIC TEXT IN PLAN VIEW DENOTES EXISTING FEATURES WHILE UPRIGHT TEXT DENOTES PROPOSED FEATURES.

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REDEVELOPME TREET 318 PLAN VK BUILDING I WEST BROAD STR FHLEHEM, PA 1801 ARGO

UTILITIES 8 GRADING SITE

WATER SYSTEM NOTES

- 1. WATER DISTRIBUTION SYSTEM SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH CITY OF BETHLEHEM, PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, AND AMERICAN WATER WORKS ASSOCIATION STANDARDS AND REGULATION AS APPLICABLE.
- 2. PIPING FOR INDIVIDUAL SERVICE LINES SHALL BE CLASS 52 DUCTILE IRON PIPE OF THE SIZES INDICATED HEREIN. WATER SYSTEM PIPING AND AND APPURTENANCES SHALL COMPLY WITH AMERICAN WATER WORKS ASSOCIATION
- 3. PROVIDE A MINIMUM 10-FOOT HORIZONTAL SEPARATION OR 18-INCH CLEAR VERTICAL SEPARATION BETWEEN WATERLINES AND SANITARY OR STORM SEWERS WHERE PRACTICABLE.
- 4. INSTALL WATER LINES AT LEAST FOUR FEET BELOW FINAL

SANITARY SEWER SYSTEM NOTES

- 1. SANITARY SEWERAGE SYSTEM SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH CITY OF BETHLEHEM AND PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARDS AND REGULATION AS APPLICABLE.
- 2. PIPING FOR INDIVIDUAL SERVICE LINE SHALL BE 8-INCH DIAMETER SDR-35 PVC PIPE.
- 3. PIPING, STRUCTURES, AND APPURTENANCES SHALL BE DESIGNED TO WITHSTAND HS-25 HIGHWAY LOADING AND SHALL MEET OR EXCEED APPLICABLE PennDOT AND ASTM

LANDSCAPING NOTES

- CONTRACTOR SHALL VERIFY THE PRESENCE, LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES AND FACILITIES PRIOR TO BEGINNING LANDSCAPE CONSTRUCTION. CALL PA
- CONTRACTOR SHALL LAYOUT AND REVIEW ALL PLANT MATERIAL AND PLANT LOCATIONS WITH LANDSCAPE
- ARCHITECT OR OWNER PRIOR TO INSTALLATION.

 3. CONTRACTOR SHALL LOCATE PLANTINGS TO AVOID

5. ALL PLANT GROUPINGS AND HEDGES SHALL BE

- PLACEMENT WITHIN SWALE CENTERLINES.

 4. MULCH FOR ALL PLANTINGS SHALL BE DOUBLE SHREDDED
- 4. MULCH FOR ALL PLANTINGS SHALL BE DOUBLE SHREDDED HARDWOOD BARK MULCH, DARK BROWN IN COLOR, AGED AT LEAST ONE YEAR AND CLEAN AND FREE OF WEEDS.
- COMPLETELY ENCOMPASSED WITHIN ONE LARGE MULCH BED AT EACH PLANT GROUPING LOCATION.
- CONTRACTOR SHALL APPLY A PRE-EMERGENT WEED PREVENTATIVE SUCH AS TREFLAN TO TOPSOIL PRIOR TO MULCHING ACTIVITIES.

7. CONTRACTOR SHALL MAINTAIN ALL NEW PLANTINGS FOR A

PERIOD OF THIRTY DAYS. THIS SHALL INCLUDE WATERING.

FERTILIZING, MULCHING, CULTIVATING, ETC. FOR A WEED

FREE HEALTHY LANDSCAPE.

8. CONTRACTOR SHALL PERMANENTLY RESTORE ALL NON-PAVED AREAS ON THE SUBJECT PROPERTY TO A

GRASSED CONDITION.

- 9. CONTRACTOR SHALL TEST EXISTING TOPSOIL TO DETERMINE PROPER LIME AND FERTILIZER APPLICATION RATES. PERMANENT LAWN ESTABLISHMENT SHALL INCLUDE FINE GRADING OF TOPSOIL, SEEDING, FERTILIZER, MULCH, AND ADEQUATE 60—DAY MAINTENANCE IN ORDER TO ACHIEVE A "GOOD STAND" OF TURF. A "GOOD STAND" OF TURF SHALL BE DEFINED AS A WEED FREE LAWN WITH 95% COVERAGE UPON CLOSE EXAMINATION OF ANY GIVEN FOUR SQUARE FOOT AREA.
- 10. CONTRACTOR SHALL GUARANTEE ALL REQUIRED PLANTINGS FOR A PERIOD OF TWENTY—FOUR MONTHS FROM THE DATE OF FINAL ACCEPTANCE. PLANTINGS SHALL BE ALIVE AND HEALTHY AS DETERMINED BY THE ARCHITECT, OWNER, OR HIS AGENT AT THE END OF THE GUARANTEE PERIOD. FINAL ACCEPTANCE SHALL BEGIN UPON SUCCESSFUL COMPLETION OF THE REQUIRED MAINTENANCE PERIOD.
- 11. NO SOIL DISTURBANCE OR COMPACTION, CONSTRUCTION MATERIALS, TRAFFIC, BURIAL PITS, TRENCHING OR OTHER LAND DISTURBANCE IS ALLOWED IN THE TREE PROTECTION ZONE UNLESS INDICATED ON THE PLAN.
- 12. TREE PROTECTION BARRICADES MUST BE INSTALLED PRIOR TO ANY DESTRUCTION AND/OR CONSTRUCTION ACTIVITY.
- 13. THE ROOT PROTECTION ZONE SHALL BE DEFINED AS THE AREA ENCOMPASSED BY A CIRCLE WITH A RADIUS EXTENDING 1.25 FT. FROM THE TRUNK OF THE TREE FOR EVERY INCH DBH (DIAMETER AT BREAST HEIGHT) OF THE TREE.
- 14. VIOLATIONS OF TREE PROTECTION REQUIREMENTS ARE SUBJECT TO PENALTY PER CITY ORDINANCE.
- 15. ALL TREES ON PUBLIC PROPERTY ARE PROTECTED BY ORDINANCE: NO PRUNING, ROOT PRUNING OF ROOTS OVER ONE INCH IN DIAMETER, AND/OR TREE REMOVAL IS TO BE PERFORMED WITHOUT A PERMIT AND WORK MUST BE PERFORMED BY A CITY LICENSED TREE CONTRACTOR.
- 16. ALL PLANT MATERIALS ARE TO CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION, AMERICAN NURSERY AND LANDSCAPE
- 17. STREET AND PARKING LOT TREES SHALL BE A MINIMUM OF 14 FT. IN HEIGHT AND HAVE A SINGLE STRAIGHT TRUNK WITH THE FIRST LATERAL BRANCH AT 7 FT. ABOVE THE ROOT BALL. TREES WITH AN UPRIGHT BRANCHING HABIT, SUCH AS ZELKOVA, MAY HAVE THE FIRST LATERAL BRANCH AT 6 FT. ABOVE THE ROOT BALL.
- 18. ALL LANDSCAPING SHALL CONFORM TO THE CURRENT EDITION OF THE ARBORICULTURAL SPECIFICATIONS AND STANDARDS OF PRACTICE OF THE CITY OF BETHLEHEM.
- 19. A ROOT CONTROL SYSTEM IS REQUIRED WHEN INSTALLING STREET TREES. THE ROOT BARRIER SHALL BE OF THE BIO—BARRIER TYPE AND A MINIMUM OF EIGHTEEN (18) INCHES WIDE. ANY SUBSTITUTION SHALL BE APPROVED BY THE CITY FORESTER. THE ROOT—CONTROL SYSTEM IS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. TREE OPENINGS IN THE SIDEWALK SHALL HAVE THE BIO—BARRIER INSTALLED ALONG THE FACE OF THE TREE OPENING WHICH IS PARALLEL TO THE STREET AND CLOSEST TO THE PROPERTY LINE, OVERLAPPING THE NEAREST TWO CORNERS BY APPROXIMATELY FOUR (4) INCHES. WHERE TREES ARE TO BE PLANTED IN A PARKWAY OR PLANTING STRIP BETWEEN CURB AND SIDEWALK, THE BARRIER SHALL BE INSTALLED ALONG THE SIDEWALK EDGE CLOSEST TO THE CURB AND CENTERED ON THE ROOT SOURCE. THE LENGTH OF THE BARRIER
- SHALL BE A MINIMUM LENGTH EQUAL TO THE BARRIER SHALL BE A MINIMUM LENGTH EQUAL TO THE SPREAD OF THE TREE CANOPY AT MATURITY PLUS TEN (10) FEET.

 20. UPON COMPLETION OF EXCAVATION AND PRIOR TO PLACEMENT OF STONE SUBBASE FOR NEW SIDEWALK ALONG THE PROPERTY FRONTAGES, CONTRACTOR SHALL CONTACT THE CITY FORESTER'S OFFICE TO SCHEDULE AN INSPECTION OF THE EXISTING STREET TREES. IF, IN THE OPINION OF THE FORESTER, ONE OR MORE EXISTING STREET TREES HAVE SUSTAINED DAMAGE DURING CONSTRUCTION, CONTRACTOR SHALL REPLACE SAID TREE(S) AS DIRECTED BY THE FORESTER.
- LANDSCAPE TABULATION

STREET TREES:

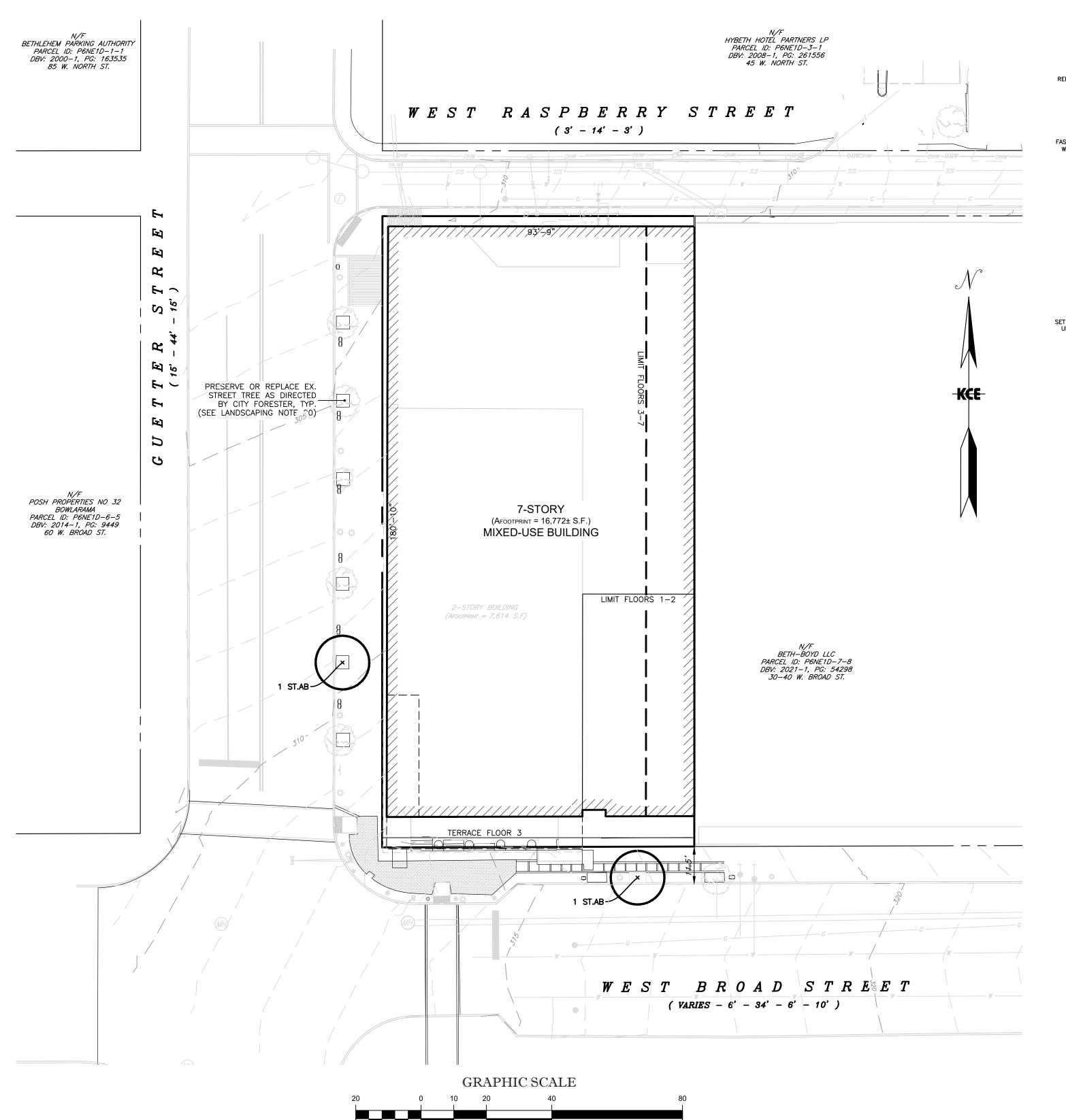
W BROAD ST.: 96 L.F. FRONTAGE: 1 TREE REQ'D. PER 30 L.F. GUETTER ST: 193 L.F. FRONTAGE: 1 TREE REQ'D. PER 30 L.F. 10 STREET TREES REQ'D.; 2 PROPOSED, 5 EXISTING NOTE:

DUE TO THE PRESENCE OF VARIOUS EXISTING PHYSICAL OBSTRUCTIONS AND CONSTRAINTS, IT IS NOT FEASIBLE TO PROVIDE ADDITIONAL STREET TREES ALONG THE FRONTAGES OF THE SUBJECT PROPERTY.

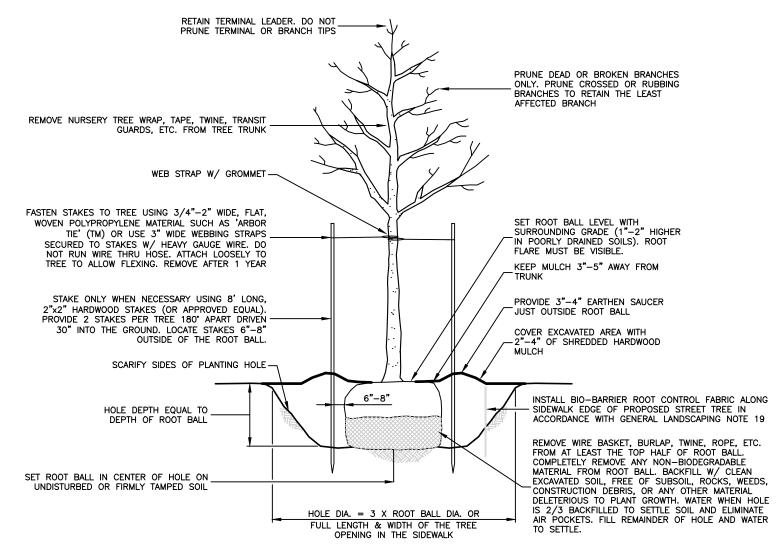
NOTES

- MATERIALS (INCLUDING PLANT TYPE, QUANTITIES, QUALITY, ETC.) AND INSTALLATION FOR SITE LANDSCAPING SHALL BE IN ACCORDANCE WITH CITY OF BETHLEHEM SALDO SECTION 1349.08 STANDARDS AND REGULATIONS, AS APPLICABLE.
- 2. STREET AND PARKING LOT TREES SHALL BE A MINIMUM OF 14' IN HEIGHT AND HAVE A SINGLE STRAIGHT TRUNK WITH THE FIRST LATERAL BRANCH AT 7' ABOVE THE ROOT BALL. TREES WITH AN UPRIGHT BRANCHING HABIT, SUCH AS ZELKOVA, MAY HAVE THE FIRST LATERAL BRANCH AT 6' ABOVE THE ROOT BALL.
- 3. IN THE EVENT OF ANY DISCREPANCIES BETWEEN THE PLANT SCHEDULE AND PLAN, THE PLAN SHALL PREVAIL.

PLANT SCHEDULE							
SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	COND.	CLASS.	NOTES
			STREET TREES				
ST.AB	2	ACER BUERGERIANUM	TRIDENT MAPLE	2"-2½" CAL.	В&В	MEDIUM	



(IN FEET) 1 inch = 20 ft.



CITY OF BETHLEHEM TREE PLANTING AND STAKING DETAIL NO SCALE

KEYSTONE CONSULTING ENGINEER 197 2870 EMRICKBOULEVARD, BETHLEHEM, PA 1802 East Office: Bethlehem, West Office: Allentown, North way KCFing Com

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	CITE I ANDSCADING & CIGNAGE DI AN			WELLS PAKGO BANK BUILDING KEDEVELOPMENI	46-52 WEST BROAD STREET	BETHLEHEM, PA 18018	CITY OF BETHLEHEM NORTHAMPTON COUNTY, PENNSYLVANIA
	REVISIONS	DATE	11.07.2025				
	REVI	>	Ŧ				

NO SCALE

SURFACE RESTORATION
MIN. 4-IN. DEPTH TOPSOIL IN
UNPAVED AREAS OR AS SPECIFIED
ELSEWHERE FOR PAVED ROADWAYS

FINISHED GRADE

PLACE & COMPACT

BACKFILL IN LEVEL

8-IN. LIFTS

PennDOT TYPE 2A COARSE AGGREGATE

4" MIN. IN EARTH **♦**8" MIN. IN ROCK

APPROVED SCREENINGS

MIN. 4-IN. AND MAX.
12-IN. PRECAST CONC.
RISER RINGS (AS NEC.
TO SET SLAB TOP BELOW
PAVEMENT SUBBASE)

PROVIDE DOUBLE 1 IN. BUTYL RUBBER SEALANT STRIPS AND MORTAR (TYPICAL ALL JOINTS) PRECAST REINFORCED CONCRETE PIPE MANHOLE RING

6-IN. MIN. DEPTH - PennDOT TYPE 2A COARSE AGGREGATE

BACKFILL LAWN AREAS CLEAN DRY EARTH (NO

ROCKS > 4 IN.) BACKFILL PAVE AREAS PennDOT TYPE 2A

COARSE AGGREGATE

PIPE BEDDING DETAIL

NO SCALE

_ POLYPROPYLENE STEPS

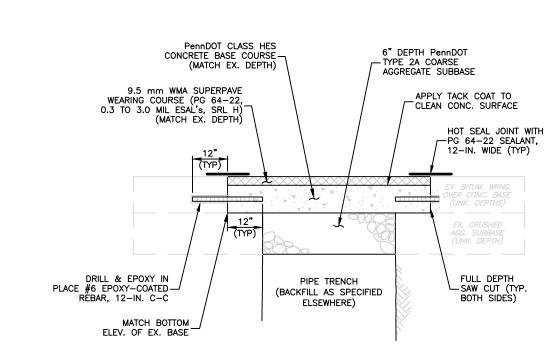
R.C.P.

1. PRECAST CONCRETE MANHOLES SHALL BE IN ACCORDANCE WITH CITY OF BETHLEHEM CONSTRUCTION STANDARDS, PennDOT PUBLICATION 72M, RC-38M (SANITARY) AND RC-39M (STORM), AND PennDOT

2. DIMENSIONS FOR 5-FT. DIAMETER MANHOLE SHOWN IN PARENTHESES.

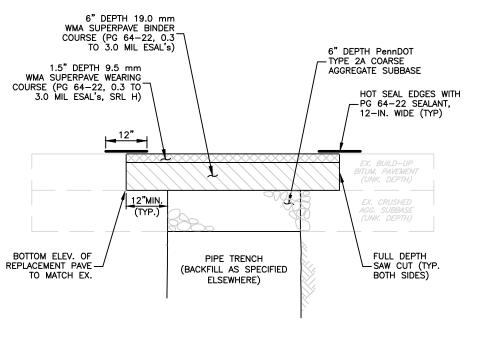
SHALLOW PRECAST CONCRETE MANHOLE NO SCALE

CAST IRON MANHOLE FRAME AND COVER 24" CLEAR OPENING W/ CAST RAISED TEXT "STORM" OR "SANITARY"



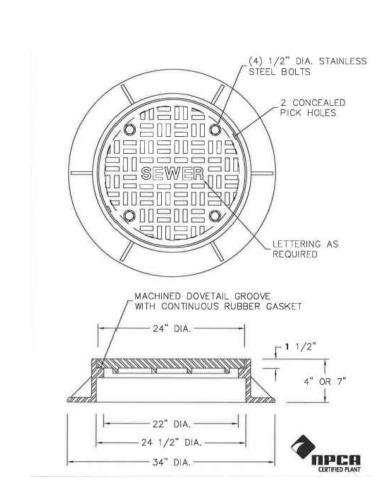
NOTE: ROADWAY RESTORATION SHALL BE IN STRICT ACCORDANCE WITH CITY OF BETHLEHEM CONSTRUCTION STANDARDS, PENNDOT PUBLICATION 72M, STANDARDS FOR ROADWAY CONSTRUCTION, AND PENNDOT PUBLICATION 408, SPECIFICATIONS, STANDARDS, AS APPLICABLE.

> TRENCH RESTORATION DETAIL (MUNICIPAL ROADWAYS - CONCRETE BASE) NO SCALE

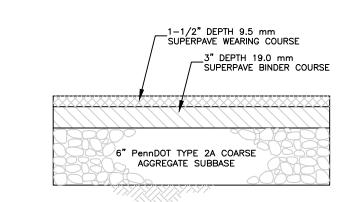


ROADWAY RESTORATION SHALL BE IN STRICT ACCORDANCE WITH CITY OF BETHLEHEM CONSTRUCTION STANDARDS, PENNDOT PUBLICATION 72M, STANDARDS FOR ROADWAY CONSTRUCTION, AND PENNDOT PUBLICATION 408, SPECIFICATIONS, STANDARDS, AS APPLICABLE.

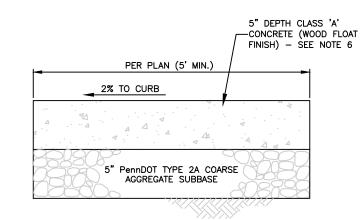
TRENCH RESTORATION DETAIL (MUNICIPAL ROADWAYS - FULL-DEPTH BITUMINOUS PAVE) NO SCALE



WATERTIGHT MANHOLE FRAME & COVER DETAIL NO SCALE



BITUMINOUS PAVEMENT SECTION DETAIL (PRIVATE PROPERTY - STANDARD-DUTY) NO SCALE



- 1. MATERIALS AND CONSTRUCTION IN ACCORDANCE WITH SECTIONS 704 AND 1001 OF PENNDOT PUBLICATION 408.
- 3. SIDEWALK SECTIONS SHALL BE FORMED USING MAXIMUM ONE-QUARTER

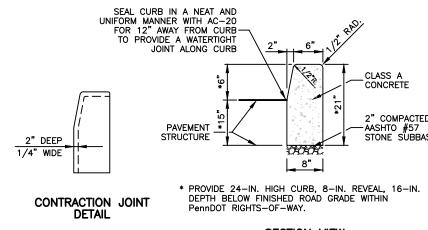
2. SIDEWALK SECTIONS SHALL HAVE AN AVERAGE AREA OF W X W

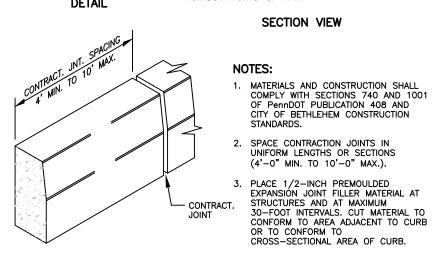
- (1/4) INCH THICK DIVISION PLATES OR EXPANSION JOINT MATERIAL THAT EXTENDS THE FULL DEPTH OF THE SLAB. 4. NOSING ON ALL EDGES SHALL BE FINISHED TO A RADIUS OF NOT
- 5. PLACE 1/2-INCH PREMOULDED BITUM. EXPANSION JOINT MATERIAL AT STRUCTURES (INCLUDING EXISTING SIDEWALK). TRIM MATERIAL TO CONFORM TO FINISHED SIDEWALK CROSS—SECTION.

MORE THAN ONE-HALF (1/2) INCH.

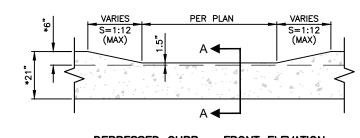
6. CONCRETE SIDEWALK ALONG THE ENTIRE FRONTAGE OF THE SUBJECT PROPERTY ON BROAD STREET BETWEEN THE EXISTING CURB AND THE LIMIT OF THE RIGHT-OF-WAY SHALL BE REMOVED AND REPLACED WITH STAMPED CONCRETE HAVING A FINISHED SURFACE APPEARANCE SIMILAR TO THAT OF THE EXISTING/ADJACENT CONCRETE SIDEWALK WITH INLAYED BRICK. PATTERNS AND COLORS SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEERING BUREAU PRIOR TO SIDEWALK CONSTRUCTION.

CONCRETE SIDEWALK SECTION DETAIL (TYPICAL) NO SCALE

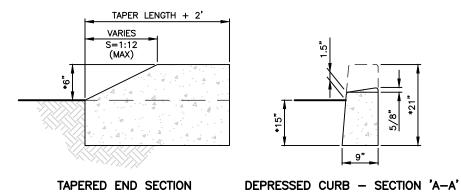




PLAIN CEMENT CONCRETE UPRIGHT CURB DETAIL NO SCALE



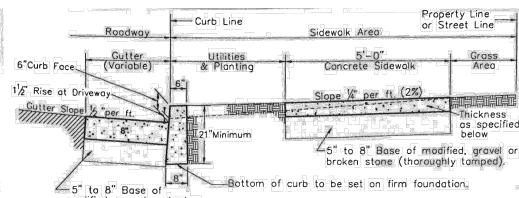
DEPRESSED CURB - FRONT ELEVATION



- EXISTING CURB REMOVAL SHALL BE IN COMPLETE SECTIONS (JOINT TO JOINT), NOT PARTIAL REMOVAL.
- 2. PROVIDE MATERIALS AND CONSTRUCTION IN ACCORDANCE WITH PennDOT SPECIFICATIONS AND PUBLICATION 408, SECTION 830, CURRENT EDITION.
- 3. SPACE CONTRACTION JOINTS IN UNIFORM LENGTHS OR SECTIONS (4'-0" MIN.
- 4. PLACE 1/2-INCH PREMOULDED EXPANSION JOINT FILLER MATERIAL AT STRUCTURES AND AT THE END OF THE WORK DAY. CUT MATERIAL TO CONFORM TO AREA ADJACENT TO CURB OR TO CONFORM TO CROSS-SECTIONAL AREA OF CURB.
- 5. SPACE EXPANSION JOINTS AT 30-FOOT INTERVALS OR AS OTHERWISE DIRECTED BY THE TOWNSHIP. * PROVIDE 24-IN. HIGH CURB, 8-IN. REVEAL, 16-IN. DEPTH BELOW FINISHED ROAD GRADE WITHIN PennDOT RIGHTS-OF-WAY IN ACCORDANCE WITH THE APPROVED HIGHWAY OCCUPANCY PERMIT FOR THE PROJECT, AS APPLICABLE.

PLAIN CEMENT CONCRETE CURB DETAILS

NO SCALE



modified, gravel or broken stone (thoroughly tamped)

One Course (Monolithic) Construction for all Curb, Gutter and Sidewalk.

Concrete Mix: To be Class A Concrete 3300# 6 Bag Mix = 5.6 Gal. Water per bag throughout; use power botch mixer. No slag. 21" Depth with approved finish on top and exposed face Gutter: 8" Depth — Slope of Gutter 1/2" rise per foot away from curb.

Sidewalk: Thickness — Residential Area — 5", Business and Industrial Area — 6" At Residential Driveways — 6", At Business and Industrial Driveways 🛢 8".

Finish Use a float and broom finish to produce skid resistant surface.
On Grades of 5% or more, produce a rougher finish. Slope - Walk and Parkway Areas 1/4" per foot (2%) toward curb Expansion and Contraction Joints: See City Construction Standard No.1A.

Handicapped Ramps: Required on all Radii in accordance with current ADA requirements.

Driveways: See City Standard Driveway Entrance and Apron Sketch.

Excavation When excavating in the cartway of a City street, a clean, full depth cut- by jack hammering in Cartway. or sawcutting-shall be made in the street between the affected and the unaffected work areas. Further, final restoration in the affected area of the street shall consist of creating a new clean cut by sawcutting 12" beyond the edge of any affected work areas, backfilling with PennDOT 2A Modified stone, and properly compacting this stone to the elevation of the top of the subbase (i.e. bottom of the base course of the macadam), but no higher than 3-inches below the finish grade—except as required to provide reasonable temporary access at driveways.

Warrant of Survey - Procured from the City Engineer's Office; provides for establishing Line & Grades; Stakes to to be protected by applicant and used within 30 days. Excavation Permit - Procured from the City Engineer's Office; for Sidewalk and driveway construction. DETAIL REQUIREMENTS:

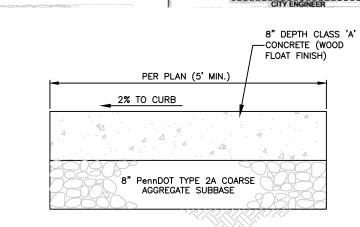
For further details and other requirements see the following documents on file in the Office of the City Engineer: "Standard Specifications for the Construction of Concrete Curb, Gutter and Sidewalk

Codified Ordinances of the City of Bethlehem, Articles 903 and 909.

+ Whenever a curb, gutter and/or sidewalk is located in a Historic District, special requirements may apply. + Changes to dimensional requirements may be considere in cases where obstructions or encroachments exist. Any exceptions must be approved by the City Engineer Current ADA requirements must be met in all cases.

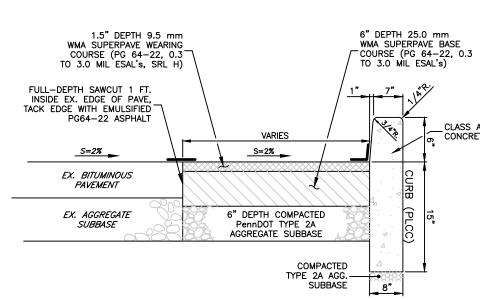
SENERAL REQUIREMENTS:

CITY OF BETHLEHEM, PA BUREAU OF ENGINEERING CONSTRUCTION STANDARD NO. for CONCRETE CURB. GUTTER and SIDEWALK FEBRUARY 7, 2001 REV JUNE 4, 2013 meleu 6/5/1



REFER TO NOTES FOR TYPICAL CONCRETE SIDEWALK SECTION DETAIL

CONCRETE SIDEWALK SECTION DETAIL (AT DRIVEWAY CROSSOVERS) NO SCALE



FOR CURB REPLACEMENT, SAW-CUT AND REMOVE EXISTING ROADWAY PAVEMENT 1 FT. FROM THE FACE OF THE EXISTING CURB.

- CONSTRUCT AGGREGATE BASE COURSE IN ACCORDANCE WITH SECTION 350.3 OF PennDOT PUBLICATION 408.
- 3. MATERIALS AND CONSTRUCTION FOR ROADWAY WIDENING IN ACCORDANCE WITH CITY OF BETHLEHEM AND PennDOT STANDARDS, AS APPLICABLE. 4. CONSTRUCT PLAIN CEMENT CONCRETE CURB IN ACCORDANCE WITH PennDOT 'STANDARDS FOR ROADWAY CONSTRUCTION', RC-64M, OCT. 29, 2008 EDITION.

CURB INSTALLATION DETAIL NO SCALE

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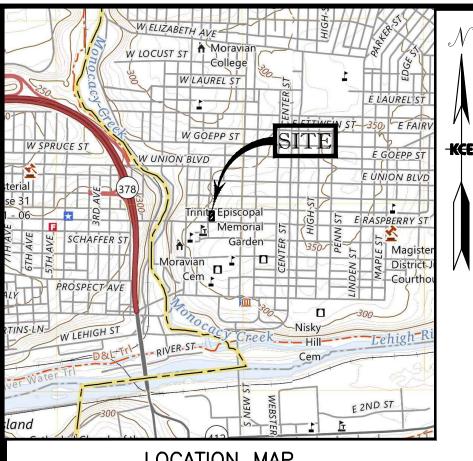
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C BUILDING REDEV FEST BROAD STREET LEHEM, PA 18018

SPEC 8 DETAILS FARGO WELLS

CONSTRUCTION



LOCATION MAP

APPLICANT / RECORD OWNER

46-52 WEST BROAD STREET, LLC
ATTN: ROCCO AYVAZOV
3376 LINDEN STREET, SUITE 200
BETHLEHEM, PA 18017
(610) 419-0032

STATEMENT OF INTENT

THE APPLICANT INTENDS TO REDEVELOP THE SUBJECT PROPERTY BY EXPANDING THE EXISTING BUILDING TO CREATE A 7-STORY (PLUS 1 BELOW-GRADE LEVEL) MIXED-USE BUILDING COMPRISING AN EXPERIENCE CENTER, A 2-STORY RESTAURANT, 61 DWELLING UNITS (28 1-BRS AND 33 2-BRS) WITH RESIDENT COMMON AREAS AND AMENITIES, A LOWER LEVEL POLICE TRAINING CENTER, LOADING/UNLOADING ACCOMMODATIONS, UTILITY SERVICE AND ROOF DRAIN CONNECTIONS, SITE LANDSCAPING, AND RELATED PUBLIC AND PRIVATE IMPROVEMENTS, ALL AS DEPICTED HEREIN.

SITE DATA

RECORD OWNER: 46-52 WEST BROAD STREET LLC PROPERTY ADDRESS: 46-52 WEST BROAD STREET TAX MAP REFERENCE.: P6NE1D-7-10 DEED REFERENCE: D.B.V. 2025-1, PG. 46171 18,145 S.F./0.4166 AC. EX. LOT AREA (BY DEED): CITY WARD/BLOCK: CENTRAL BUSINESS DISTRICT (CB) ZONING CLASSIFICATION: CITY OF BETHLEHEM SANITARY SEWER: CITY OF BETHLEHEM NO. EXISTING/PROPOSED LOTS:



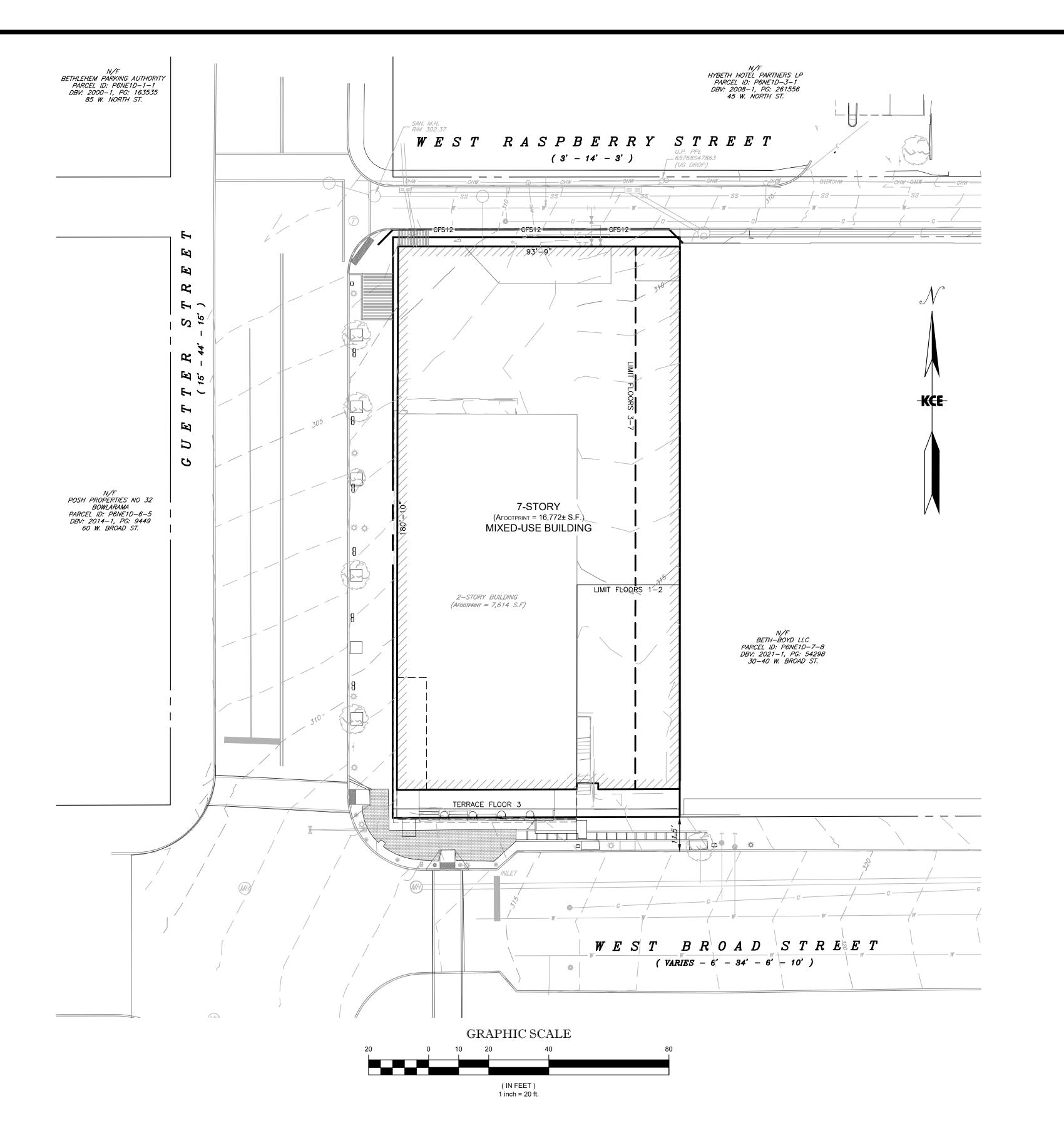
DIAL 8-1-1 OR 1-800-242-1776 NOT LESS THAN 3 BUSINESS DAYS NOR MORE THAN 10 BUSINESS DAYS PRIOR TO THE START OF EXCAVATION PRELIM. DESIGN SERIAL NUMBER: 000000000000-000 FINAL DESIGN SERIAL NUMBER: 0000000000000-000

KEYSTONE CONSULTING ENGINEERS, INC., PREPARED THESE DRAWINGS FOR THE PURPOSE OF THE DESIGN OF THE SUBDIVISION OR LAND DEVELOPMENT IMPROVEMENTS SHOWN. PURSUANT TO THE REQUIREMENTS OF PA ACT 287 OF 1974, AS AMENDED, KEYSTONE CONSULTING ENGINEERS, INC., HAS:

REQUESTED LINE AND FACILITY INFORMATION FROM A ONE CALL SYSTEM NOT LESS THAN TEN NOR MORE THAN NINETY WORKING DAYS BEFORE FINAL DESIGN IS TO BE

- 2. SHOWN UPON THE DRAWINGS THE POSITION AND TYPE OF EACH FACILITY OWNER'S LINE, DERIVED PURSUANT TO THE REQUEST MADE, INCLUDING THE FACILITY OWNER'S NAME, OFFICE ADDRESS AND TELEPHONE NUMBER AS SHOWN ON THE LIST MAINTAINED BY THE ONE—CALL SYSTEM;
- 3. MADE A REASONABLE EFFORT IN PREPARATION OF THE CONSTRUCTION DRAWINGS TO AVOID DAMAGE TO AND MINIMIZE INTERFERENCE WITH THE FACILITY OWNER'S FACILITIES IN THE CONSTRUCTION AREA BY MAINTAINING AN EIGHTEEN—INCH CLEARANCE OF THE FACILITY OWNER'S
- 4. SHOWN UPON THE DRAWINGS THE SERIAL NUMBER AND DATE OF THE ONE CALL NOTICE.

KEYSTONE CONSULTING ENGINEERS, INC., MAKES NO REPRESENTATION, ASSURANCE, OR GUARANTEE THAT THE INFORMATION OBTAINED AS NOTED ABOVE AND ILLUSTRATED HEREON ACCURATELY DEPICTS FIELD CONDITIONS. ALL CONTRACTORS PERFORMING ACTUAL EXCAVATION OR DEMOLITION WORK ON THIS SITE ARE HEREBY ALERTED TO THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE ONE—CALL SYSTEM AS REQUIRED BY ACT 287, AS AMENDED.



LEGEND

	OUD IEST DROBERTY LINE
	SUBJECT PROPERTY LINE
	ADJOINER PROPERTY LINE
	EX. ROADWAY CENTERLINE
405	EX. CONTOUR LINE
	EX. CONCRETE CURB
	EX. EDGE OF PAVE
—— OHW ———	EX. OVERHEAD UTILITY LINES
G	EX. NATURAL GAS MAIN
	EX. STORM SEWER
W	EX. WATER MAIN
ss	EX. SANITARY SEWER MAIN
	EX. WROUGHT IRON FENCE
—X——X——X—	EX. CHAIN LINK FENCE
	EX. TREE ROW OR EDGE OF WOODS
Janes S. C.	EX. CONIFEROUS TREE
my (; 3	EX. DECIDUOUS TREE
Ours	EX. IRON PIN (OR AS NOTED)
	EX. CONCRETE MONUMENT
	PROPOSED IMPROVEMENT
	PROPOSED CONCRETE CURB
	PROPOSED DEPRESSED CONC. CURB
F.F.E.	FIRST FLOOR ELEVATION
L.L.E.	LOWER LEVEL ELEVATION
405	PROPOSED CONTOUR LINE
	PROPOSED WATER LINE
	PROPOSED SANITARY SEWER GRAVITY LINE

ITALIC TEXT IN PLAN VIEW DENOTES EXISTING FEATURES WHILE UPRIGHT TEXT DENOTES PROPOSED FEATURES.

PROPOSED STORM SEWER

OF SKR

ESPC LEGEND

LIMIT OF EARTH DISTURBANCE
SOIL TYPE LIMIT
ROCK CONSTRUCTION ENTRANCE
EROSION CONTROL MATTING
(TYPE PER PLAN)
XX—IN. COMPOST FILTER SOCK
ROCK FILTER OUTLET
INLET FILTER BAG

ESPC PLAN NOTES

- 1. EROSION AND SEDIMENT POLLUTION CONTROL (ESPC)
 MEASURES AND PRACTICES INCLUDING BUT NOT LIMITED TO
 FILTER FABRIC FENCE, ROCK CONSTRUCTION ENTRANCE,
 TOPSOIL STOCKPILES AND TEMPORARY AND PERMANENT
 SEEDING SHALL BE INSTALLED AND MAINTAINED IN STRICT
 ACCORDANCE WITH PennDEP EROSION AND SEDIMENT
 POLLUTION CONTROL PROGRAM MANUAL, REVISED MARCH
 2000. CONTRACTOR SHALL BE RESPONSIBLE TO
 IMMEDITELY EMPLOY ANY AND ALL ADDITIONAL CONTROL
 MEASURES WHEN AND IF DETERMINED NECESSARY DURING
 CONSTRUCTION TO PREVENT THE TRANSPORT OF SEDIMENT
 BEYOND THE LIMITS OF THE SUBJECT PROPERTY.
- 2. THE PROJECT SITE IS TRIBUTARY TO THE MONOCACY CREEK WHICH HAS A DESIGNATED USE OF HIGH QUALITY COLD WATER FISHES, MIGRATORY FISHES (HQ-CWF, MF).
- COLD WATER FISHES, MIGRATORY FISHES (HQ-CWF, MF).

 3. ESPC BMPs SHALL BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL PRIOR TO ANY SITE DISTURBANCE WITHIN THE RESPECTIVE TRIBUTARY AREAS OF THESE DEVICES.
- 4. ANY DISTURBED AREA ON WHICH ACTIVITY HAS CEASED SHALL BE IMMEDIATELY TEMPORARILY STABILIZED. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE RECOMMENDED RATE.
- 5. ANY AREA THAT SHOWS SIGNS OF EROSION OR DAMAGE AFTER TEMPORARY OR PERMANENT STABILIZATION BUT PRIOR TO ESTABLISHMENT OF SUBSTANTIAL VEGETATIVE COVER SHALL BE IMMEDIATELY REGRADED AND RESTABILIZED WITH APPROVED TEMPORARY EROSION CONTROL MATTING.
- 6. 'STABILIZATION' SHALL BE DEFINED AS 'A MINIMUM 70 PERCENT UNIFORM PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS TO RESIST SLIDING OR OTHER MOVEMENTS'.
- 7. SHOULD UNFORESEEN EROSIVE CONDITIONS DEVELOP DURING CONSTRUCTION, CONTRACTOR SHALL TAKE ANY AND ALL NECESSARY CORRECTIVE ACTION TO REMEDY SUCH CONDITIONS.
- 8. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET AND STOCKPILE EMBANKMENT SLOPES SHALL NOT EXCEED 2:1.
- 9. UNTIL THE SITE IS STABILIZED, CONTRACTOR SHALL MAINTAIN ALL ESPC BMPs. MAINTENANCE SHALL INCLUDE INSPECTION OF ALL BMPs FOLLOWING EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ANY NECESSARY PREVENTATIVE AND REMEDIAL ACTIONS, INCLUDING CLEANOUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, AND REMULCHING, SHALL BE PERFORMED IMMEDIATELY UPON DISCOVERY OF NEED.
- 10. SEDIMENT WHICH HAS BEEN TRAPPED BY BMPs SHALL BE REMOVED AND REDISTRIBUTED ON THE PROJECT SITE IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED OR PLACED IN TOPSOIL
- 11. THE CAPACITY OF BMPs SHALL BE CHECKED WEEKLY AS WELL AS AFTER EACH RUNOFF EVENT UNTIL PERMANENT STABILIZATION HAS BEEN ACHIEVED WITHIN ENTIRE AREAS AREAS TRIBUTARY TO RESPECTIVE BMPs. ANY CONSTRUCTION DEBRIS OR OTHER UNSUITABLE MATERIAL SHALL BE REMOVED IMMEDIATELY UPON DISCOVERY AND DISPOSED OF IN ACCORDANCE WITH DEPARTMENT REGULATIONS.
- 12. TEMPORARY ESPC BMPS SHALL BE REMOVED ONCE PERMANENT STABILIZATION HAS BEEN ACHIEVED WITHIN ENTIRE AREAS TRIBUTARY TO RESPECTIVE BMPS. AREAS DISTURBED DURING REMOVAL OF BMPS SHALL BE IMMEDIATELY PERMANENTLY STABILIZED.
- 10. CONTRACTOR SHALL REMOVE FROM THE PROJECT SITE, RECYCLE OR DISPOSE OF ALL CONSTRUCTION MATERIALS AND WASTE IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS CONTAINED IN 25 PA CODE 260.1 ET. SEQ., 271.1 ET. SEQ. AND 287.1 ET. SEQ. CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP OR DISCHARGE ANY CONSTRUCTION MATERIALS OR WASTE ON THE PROJECT SITE.
- 11. ANY OFFSITE LOCATIONS UTILIZED BY CONTRACTOR TO OBTAIN OR DISPOSE OF EXCAVATED FILL MATERIAL SHALL HAVE AN ACTIVE AND FULLY IMPLEMENTED EROSION AND SEDIMENTATION CONTROL PLAN APPROVED BY THE GOVERNING CONSERVATION DISTRICT.
- 12. ALL ESPC BMPs SHALL BE ENTIRELY LOCATED WITHIN THE BOUNDARIES OF THE SUBJECT PROPERTY, PUBLIC RIGHTS—OF—WAY, OR EASEMENTS OF RECORD. ESPC BMPs SEEMINGLY DEPICTED HEREIN ON ADJACENT PRIVATE PROPERTY APPEAR AS SUCH FOR PURPOSES OF PLAN CLARITY ONLY.

KEYSTONE CONSULTING ENGINEERS

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SGO BANK BUILDING REDEVELO
46-52 WEST BROAD STREET
BETHLEHEM, PA 18018
CITY OF BETHLEHEM

WELLS FARGO | 4

КЛН 11. /18/2025 " = 20' В-25-072

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2. AT LEAST 7 DAYS PRIOR TO COMMENCING ANY FARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE CONSTRUCTION MANAGER SHALL HOST AN ON-SITE PRE-CONSTRUCTION MEETING INVOLVING CONTRACTORS THAT WILL PARTICIPATE IN EARTH DISTURBANCE ACTIVITIES. THE APPLICANT AND/OR LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE ESPC PLAN PREPARER, AND A REPRESENTATIVE OF THE NORTHAMPTON COUNTY CONSERVATION DISTRICT.

3. AT LEAST 3 DAYS PRIOR TO COMMENCING ANY FARTH DISTURBANCE ACTIVITIES OR EXPANDING SUCH ACTIVITIES INTO A PREVIOUSLY UNMARKED AREA, CONTRACTOR SHALL 1-800-242-1776 TO ASCERTAIN LOCATIONS OF EXISTING UNDERGROUND UTILITIES.

4. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. ANY DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING BY THE LOCAL CONSERVATION DISTRICT PRIOR TO IMPLEMENTATION.

. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL, 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 ESPC
BMPs SPECIFIED IN THE SEQUENCE FOR THAT STAGE OR DESCRIBED IN THIS ESPC PLAN.

7. 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 FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.

. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION HALL BE STOCKPILED AT THE LOCATION(S) DEPICTED HEREIN IN THE AMOUNT NECESSARY TO COMPLETE THE FINISHED GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED WITH VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER DEPICTED HEREIN. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.

9. IMMEDIATELY UPON DISCOVERY OF ANY UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BMPs TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT.

10. ALL BUILDING MATERIALS AND WASTE SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH SOLID WASTE MANAGEMENT REGULATIONS DEFINED IN 25 PA CODE 260.1 ET. SEQ., 271.1 ET. SEQ AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.

11. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE A FULLY IMPLEMENTED ESPC PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT PRIOR TO BEING ACTIVATED.

12. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ONTO THE SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.

13. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BI DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN. OVER UNDISTURBED VEGETATED AREAS.

14. CONSTRUCTION VEHICLES AND EQUIPMENT MAY ACCESS THE HAVING A FULLY-FUNCTIONAL TEMPORARY CONSTRUCTION

15. UNTIL THE SITE IS STABILIZED, ALL ESPC BMPs SHALL BE INSPECTIONS OF ALL BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEANOUT, REPAIR. REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF A BMF FAILS TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.

16. CONTRACTOR SHALL MAINTAIN A LOG SHOWING DATES THAT ESPC BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED. LOG SHALL BE KEPT ON SITE AT ALL TIMES AND 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

BEFORE THE END OF EACH WORK DAY AND DISPOSED OF IN

A MANNER DESCRIBED HEREIN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT INTO ANY 18. SEDIMENT REMOVED FROM BMPs SHALL BE PLACED IN TOPSOIL STOCKPILE OR REDISTRIBUTED WITHIN DISTURBED

LAWN OR LANDSCAPED AREAS ON THE PROJECT SITE AND SLOPES 3H:1V OR STEEPER AND IMMEDIATELY 19. PRIOR TO REPLACEMENT OF TOPSOIL IN LAWN AND

LANDSCAPED AREAS, CONTRACTOR SHALL SCARIFY SOILS TO A MINIMUM DEPTH OF 4 INCHES (8 INCHES FOR COMPACTED SOILS). AREAS SHALL RECEIVE A MINIMUM 4-INCH DEPTH OF LIGHTLY COMPACTED TOPSOIL PRIOR TO SEEDING AND MULCHING.

20. 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

21. FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED EIGHT (8) INCHES IN DEPTH.

22. FILL MATERIAL 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.

23. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILL MATERIAL.

24. FILL MATERIAL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.

25. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR A SUBSURFACE DRAIN OR OTHER

26. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN CONSOLIDATED BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE DEPICTED HEREIN, SHALL BE BLANKETED ACCORDING TO THE STANDARDS CONTAINED

27. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT SITE, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS. MUI CH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. WITHIN ONE (1) YEAR MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN ONE (1) YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE

28. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENIAL 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. ESPC BMPs SHALL BE MAINTAINED UNTIL THE TRIBUTARY AREAS TO THE RESPECTIVE BMPs HAVE ACHIEVED PERMANENT STABILIZATION OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT, REPAIR OR REPLACE ANY DAMAGED CONTROL DEVICES IMMEDIATELY UPON DISCOVERY

30. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS AND PRIOR TO REMOVAL/CONVERSION OF ESPC BMPs, THE OWNER OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE AN INSPECTION.

31. UPON ACHIEVING PERMANENT STABILIZATION. TEMPORARY ESPC BMPs MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPs. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF BMPs SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO FNSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATION SEASON.

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

33. FAILURE TO CORRECTLY INSTALL ESPC BMPS, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE ECTIVE ACTION TO RESOLVE SAID FAILURES 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, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH

34. CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.

35. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER, WITHIN 50 FEET OF SURFACE WATERS (100 FEET IN SPECIAL PROTECTION WATERSHEDS) REGARDLESS OF SLOPE, AND WITHIN ALL OTHER DISTURBED AREAS SPECIFIED HEREIN.

36. ANY CONSTRUCTION DEBRIS OR OTHER UNSUITABLE MATERIAL FOUND ON THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO GREEN, BROWN OR CLEAR GLASS OR CARDBOARD, THAT IS ARLE TO BE RECYCLED BY THE LOCAL MUNICIPALITY IS TO BE PLACED IN SEPARATE STOCKPILES WITHIN THE CONSTRUCTION STAGING AREA. THE CONTRACTOR SHALL DELIVER ANY SUCH STOCKPILED MATERIAL TO THE LOCAL RECYCLING FACILITY ON A WEEKLY BASIS, ANY NON-RECYCLABLE CONSTRUCTION DEBRIS OR OTHER UNSUITABLE MATERIAL MUST BE REMOVED FROM THI PROJECT SITE AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

SPECIFICATIONS FOR SEEDING STABILIZATION AND SOIL SUPPLEMENTS TEMP. NON-VEGETATIVE SURFACE STABILIZATION TEMPORARY MULCH TYPE: HAY OR STRAW

3 TONS/AC.

TEMPORARY SEED MIXTURE

APPLICATION RATE:

PENNDOT FORMULA E PER PennDOT PUB. 408, SEC. 804 % WEIGHT PURITY GERMINATION ANNUAL RYEGRASS 100 98%

APPLICATION RATE: 10 LBS. PER 1,000 S.Y. FERTILIZER APPLICATION RATE: 100 LBS. PER 1,000 S.Y. LIME APPLICATION RATE: 410 LBS. PER 1,000 S.Y. HAY OR STRAW MULCH APPLICATION RATE: 3 TONS/AC.

PERMANENT SEED MIXTURE

SEEDING PERIOD: MARCH 15 TO OCTOBER 15

PENNDOT FORMULA B PER PennDOT PUB. 408, SEC. 804 % WEIGHT PURITY GERMINATION PERENNIAL RYEGRASS 20 98% CREEPING RED FECUE 30 98% KENTUCKY BLUEGRASS 50 98%

APPLICATION RATE: 21 LBS. PER 1,000 S.Y. FERTILIZER APPLICATION RATE: 210 LBS. PER 1,000 S.Y. LIME APPLICATION RATE: 2,480 LBS. PER 1,000 S.Y. HAY OR STRAW MULCH APPLICATION RATE: 3 TONS/AC.

1. THE CUTOFF DATE FOR HYDROSEEDING IS NOVEMBER 15. 2. SLURRY APPLICATIONS OF SEED USING A CELLULOSE TACKIFIER SHALL INCLUDE A STRAW MULCH BINDER AT A RATE OF 3 TONS PER ACRE

SEEDING PERIOD: MARCH 15 TO OCTOBER 15

THE FOLLOWING SOIL TYPE(S) ARE PRESENT ON THE PROJECT SITE ACCORDING TO THE CUSTOM SOIL RESOURCE REPORT GENERATED FOR THE PROJECT SITE USING THE ONLINE WEB SOIL SURVEY TOOL OPERATED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE.

UkaB, URBAN LAND, 0 TO 8 PERCENT SLOPES (ENTIRE DISTURBED AREA)

SOIL TYPE LIMITATIONS

UNKNOWN

UNKNOWN

GEOTECHNICAL ENGINEER.

RESOLUTIONS TO SOIL TYPE LIMITATIONS 1. IF ENCOUNTERED, UNSUITABLE SOILS WILL BE REMOVED AND REPLACED OR REMEDIATED AS DIRECTED BY THE PROJECT

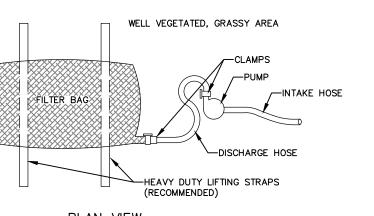
 SITE SPECIFIC TEMPORARY AND PERMANENT BMPs WERE SELECTED AND WILL BE IMPLEMENTED AND MAINTAINED DURING AND AFTER CONSTRUCTION TO MINIMIZE SOIL EROSION AND PREVENT THE TRANSPORT OF SEDIMENT BEYOND THE LIMITS OF THE PROJECT SITE TO THE EXTENT PRACTICABLE.

3. CONTRACTOR SHALL EXCAVATE ROCK BY MEANS OF PNEUMATIC HAMMERING OR RIPPING TO A SUFFICIENT DEPTH (MINIMUM TWO (2) FEET BELOW THE BOTTOM ELEVATION OF INFILTRATION FACILITIES) AND REPLACE SAME WITH SUITABLE MATERIAL, AS DIRECTED BY PROJECT GEOTECHNICAL ENGINEER.

ALONG HIGH SIDE TEMP. SEEDED AND MULCHED WITH FORMULA ON PLAN, UNTIL TIME OF REMOVAL. EXISTING GROUND NOTE: MAXIMUM EXISTING GROUND SLOPE TO PLACE STOCKPILE IS 15 PERCENT.

 INSPECTED STOCKPILED TOPSOIL AND FILL MATERIAL ON A DAILY BASIS AND AFTER EVERY RUNOFF EVENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. 2. ALL STOCKPILES WILL BE TEMPORARY SEEDED AND MULCHED AT ALL TIMES.

> CONSTRUCTION DETAIL #9-1 SPECIAL DETAIL STOCKPILED TOPSOIL AND FILL MATERIAL NOT TO SCALE



PLAN VIEW __DISCHARGE HOSE FILTER BAG WELL VEGETATED, GRASSY AREA -INTAKE HOSE **ELEVATION VIEW**

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

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

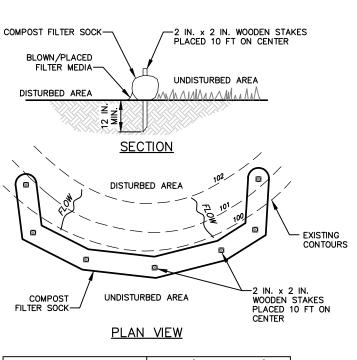
A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE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

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE. EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE. A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NO BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS. NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE

THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED,

PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS

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



RGANIC MATTER CONTENT	25%-100% (DRY WEIGHT BASIS)
RGANIC PORTION	FIBROUS & ELONGATED
l	5.5-8.5
OISTURE CONTENT	30%-60%
ARTICLE SIZE	30-50% PASS THROUGH 3/8" SIEVE
OLUABLE SALT CONCENTRATION	5.0 dS MAXIMUM
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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 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

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN. COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION. BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; 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

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