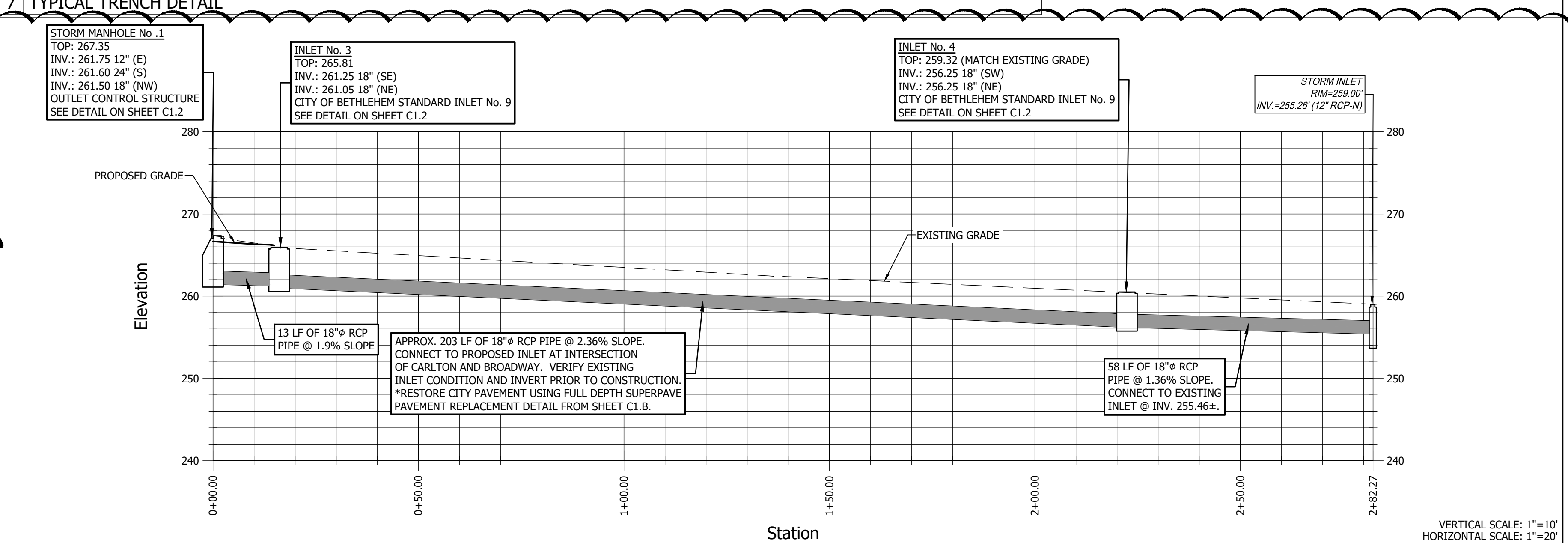
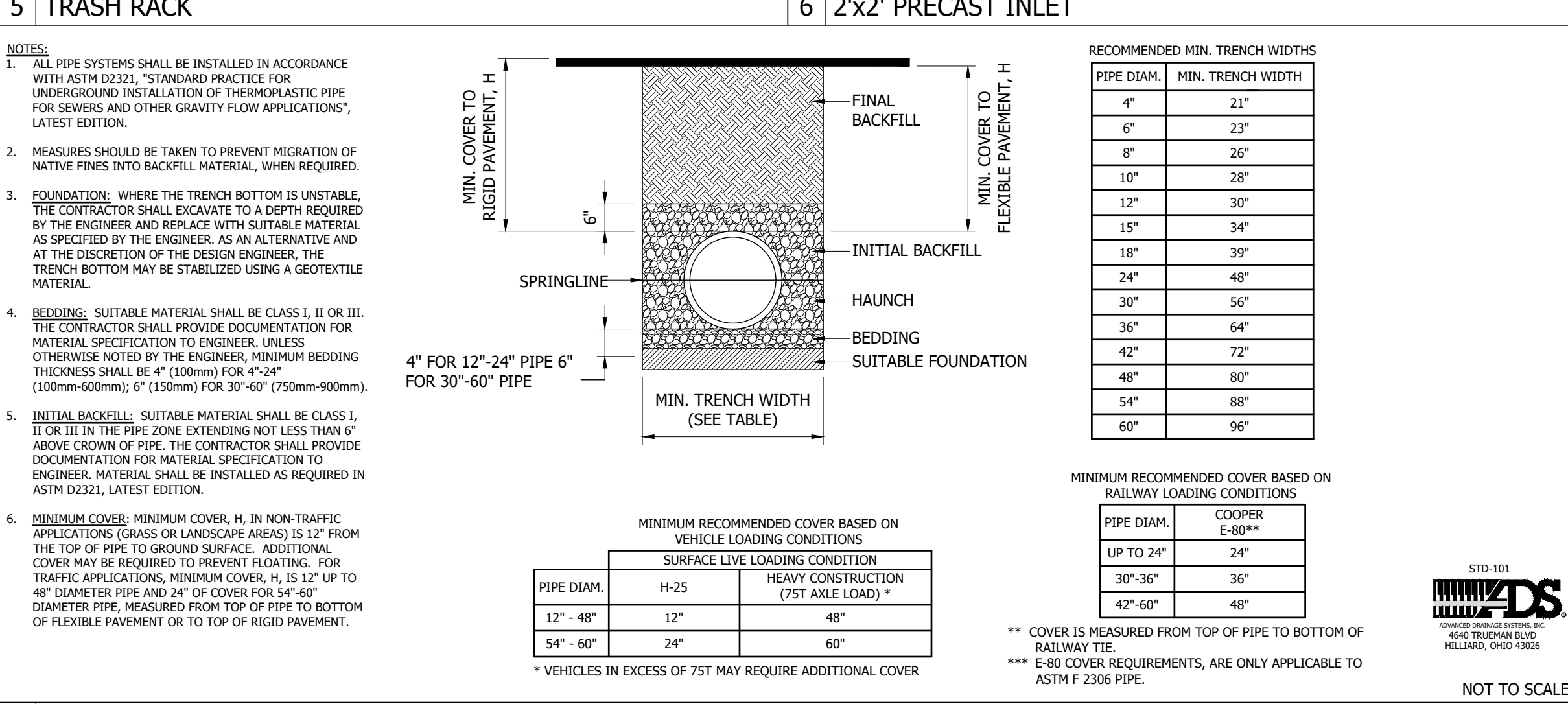
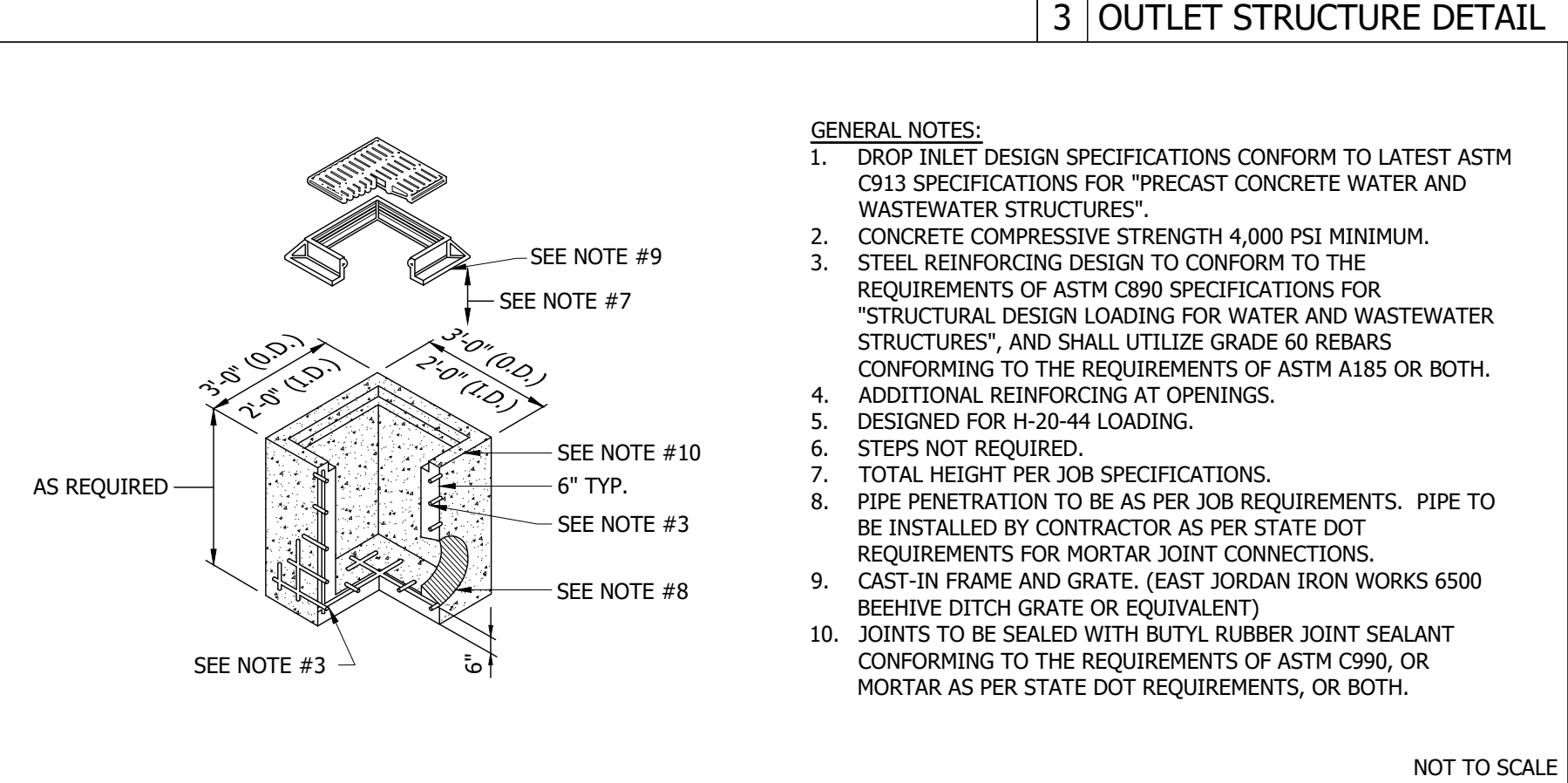
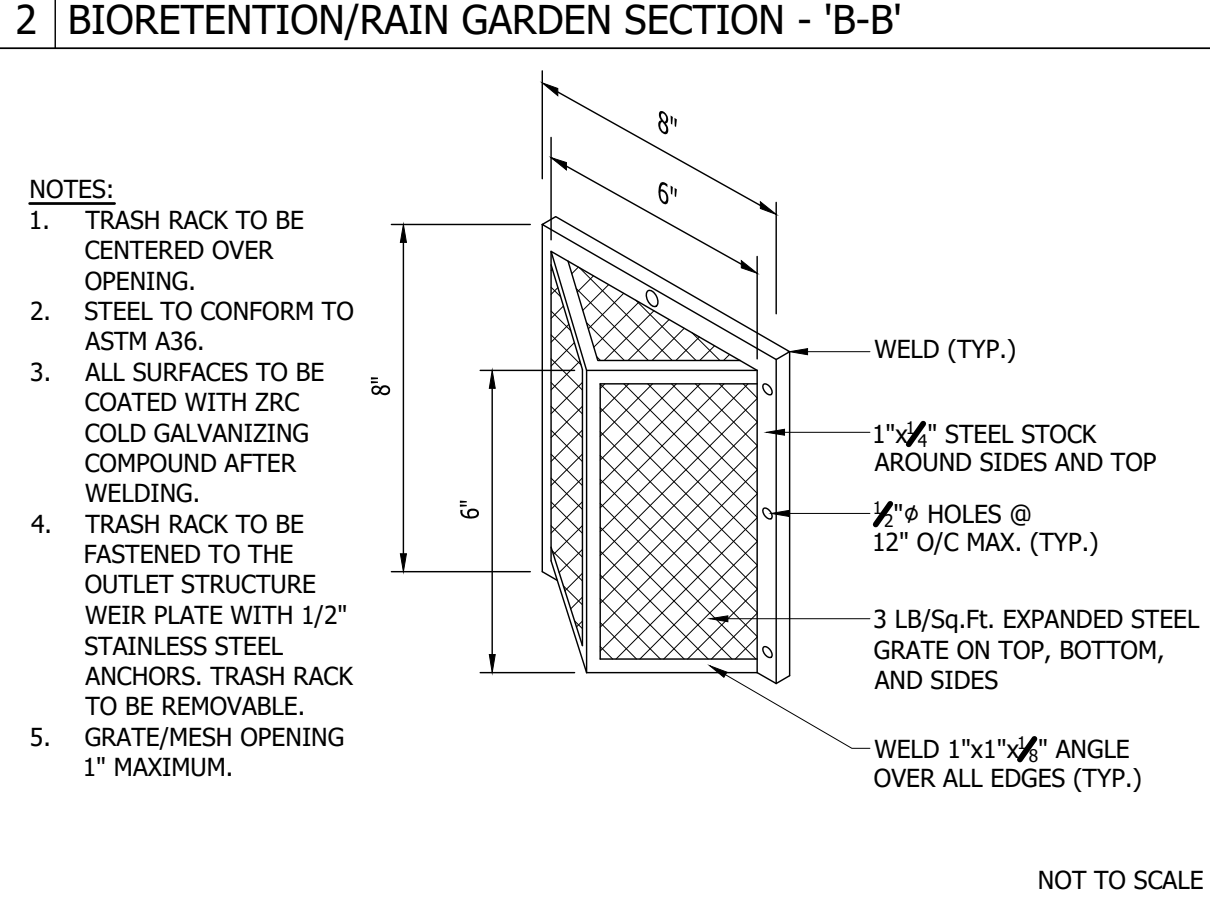
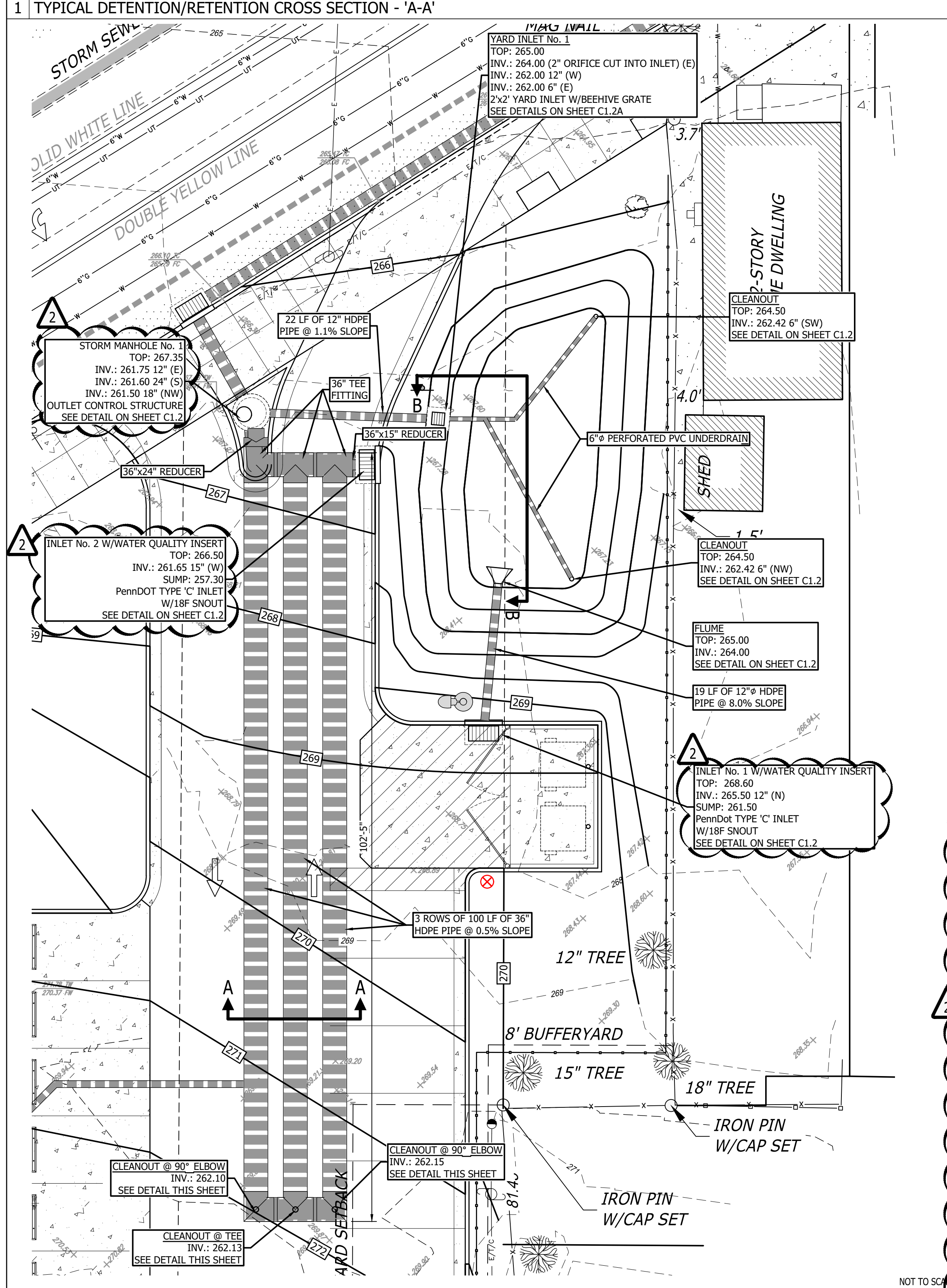
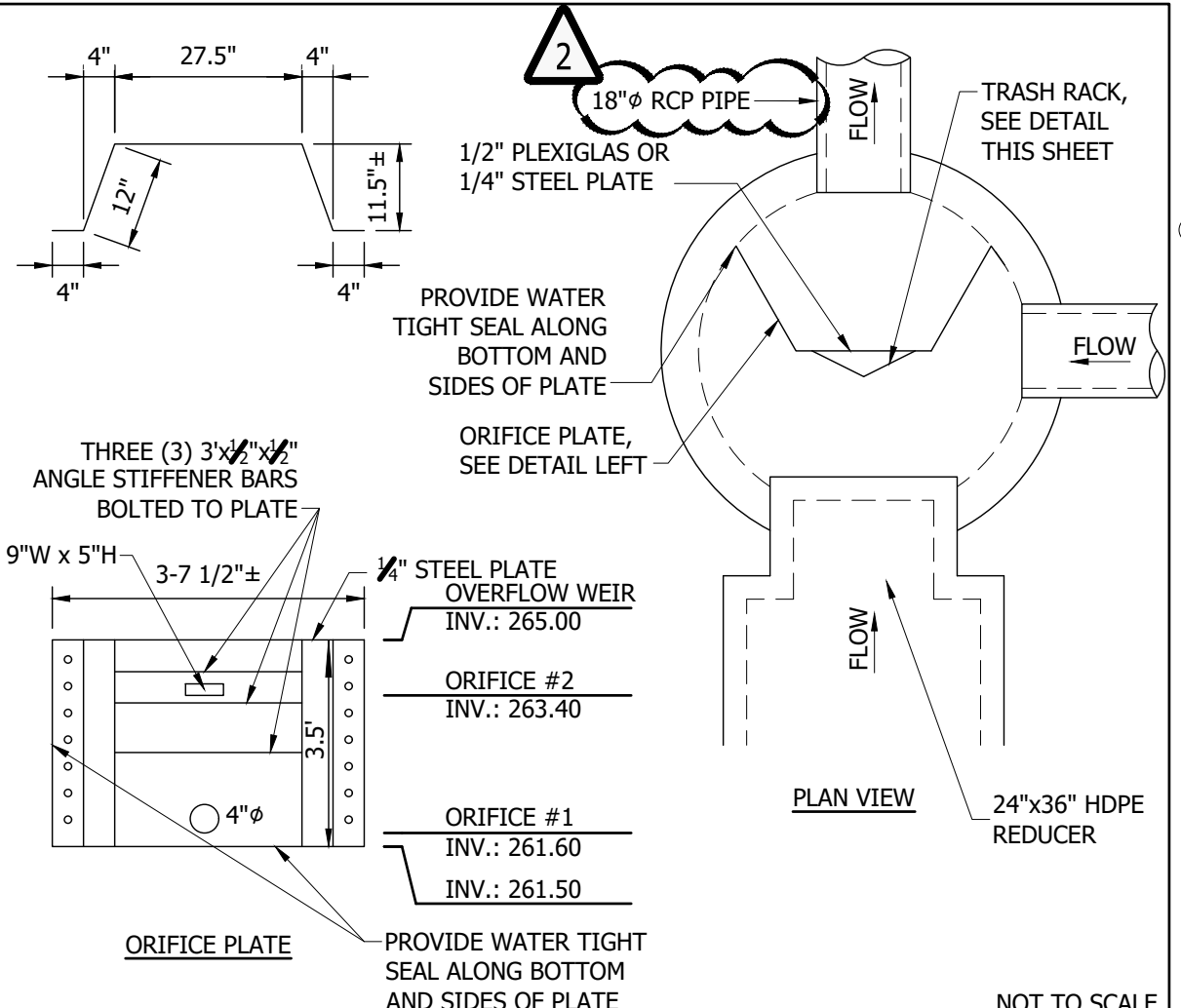
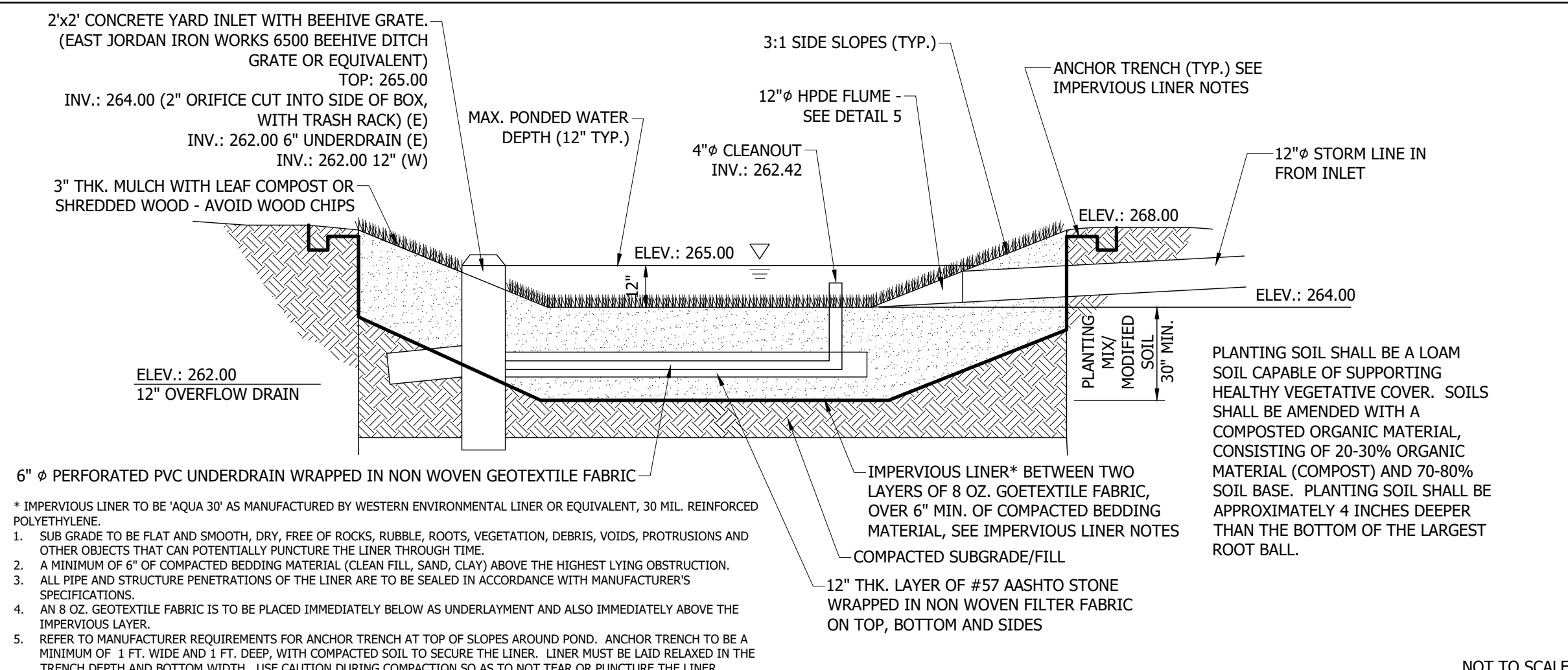
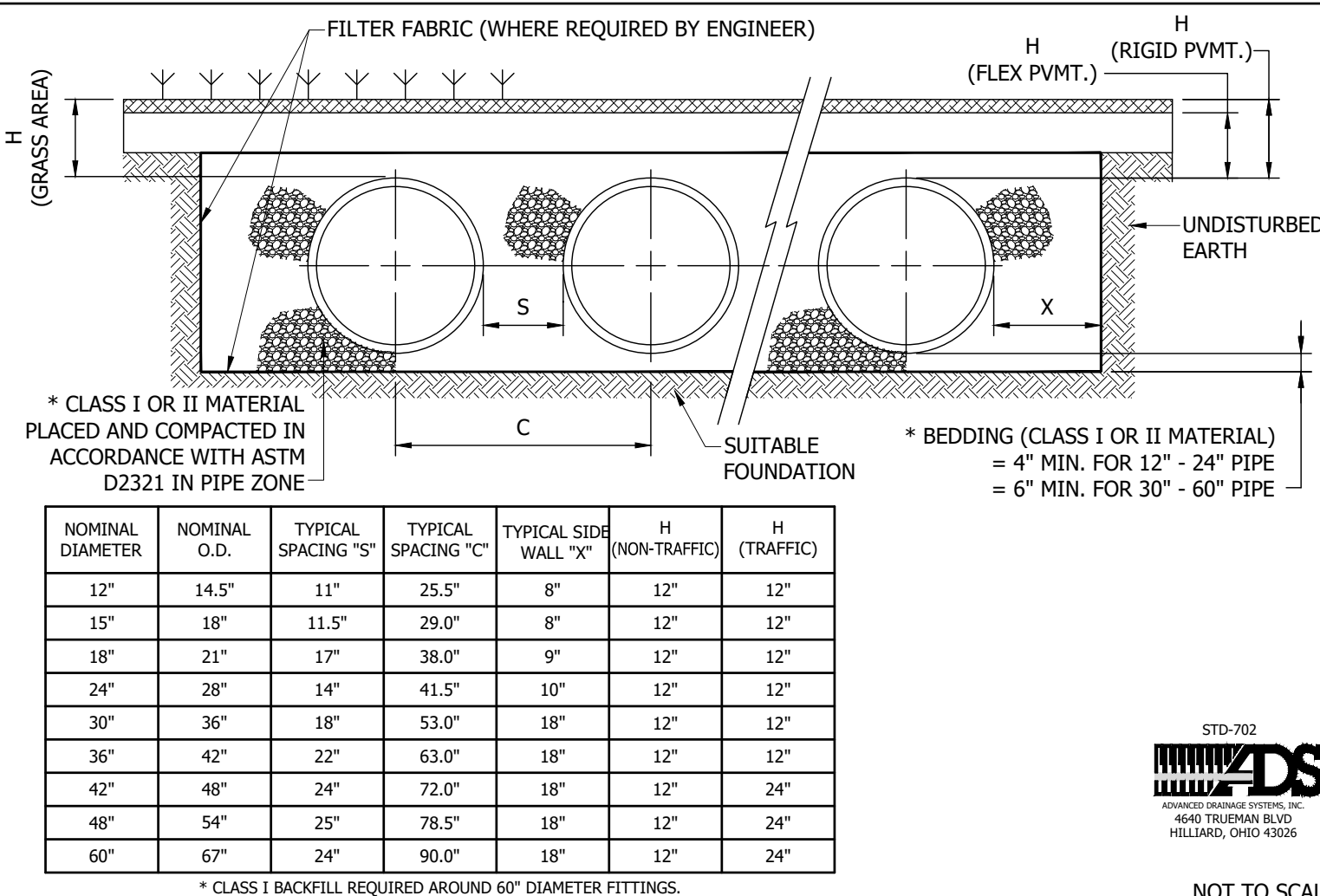


- NOTES:**
- ALL REFERENCES TO CLASS I OR II MATERIAL ARE PER ASTM D2321 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
  - ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.
  - MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE FINES INTO THE BACKFILL MATERIAL, WHEN REQUIRED. SEE ASTM D2321.
  - FILTER FABRIC: A GEOTEXTILE FABRIC MAY BE USED AS SPECIFIED BY THE ENGINEER TO PREVENT THE MIGRATION OF FINES FROM THE NATIVE SOIL INTO THE SELECT BACKFILL MATERIAL.
  - FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
  - BEDDING: SUITABLE MATERIAL SHALL BE CLASS I OR II. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
  - INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I OR II IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
  - MINIMUM COVER: MINIMUM COVER OVER ALL RETENTION/DETENTION SYSTEMS IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER IS 12" UP TO 36" DIAMETER PIPE AND 24" OF COVER FOR 42"-60" DIAMETER PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.



Owner / Developer: **AZ Bethlehem, LLC**  
 P.O. BOX 1908  
 MEDIA, PA 19063

Prepared For: **AutoZone**  
 Store No.: 1400  
 501 WYANDOTTE STREET  
 CITY OF BETHLEHEM, COUNTY OF NORTHAMPTON  
 COMMONWEALTH OF PENNSYLVANIA

SCALE: AS NOTED

**REVISIONS**

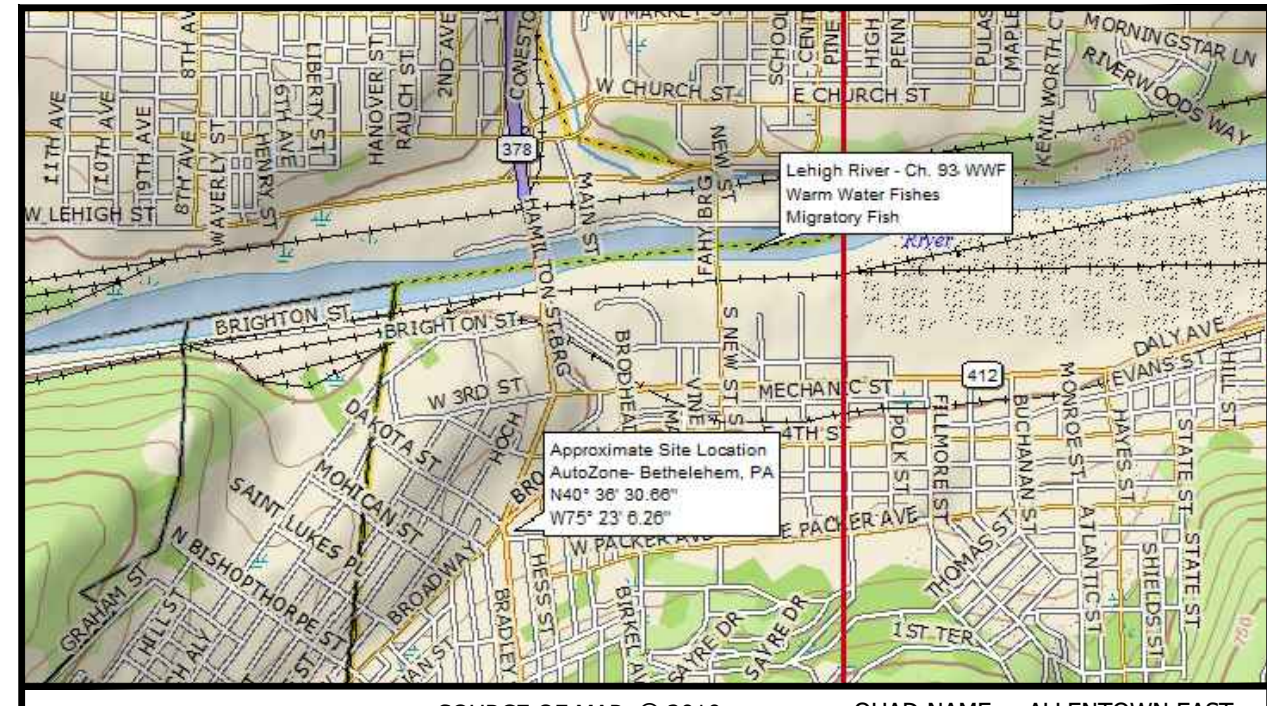
02/24/2021	1. PER CITY COMMENTS
04/15/2021	2. PER CITY COMMENTS
	3.
	4.
	5.
	6.
	7.

ARCHITECT: LE  
 DRAFTSMAN: CWT  
 CHECKED BY: CAD  
 DATE: 10-23-2020  
 PROTOTYPE SIZE: 6w2

**C1.2A**



SITE LOCATION MAP  
SCALE: 1" = 2,000'

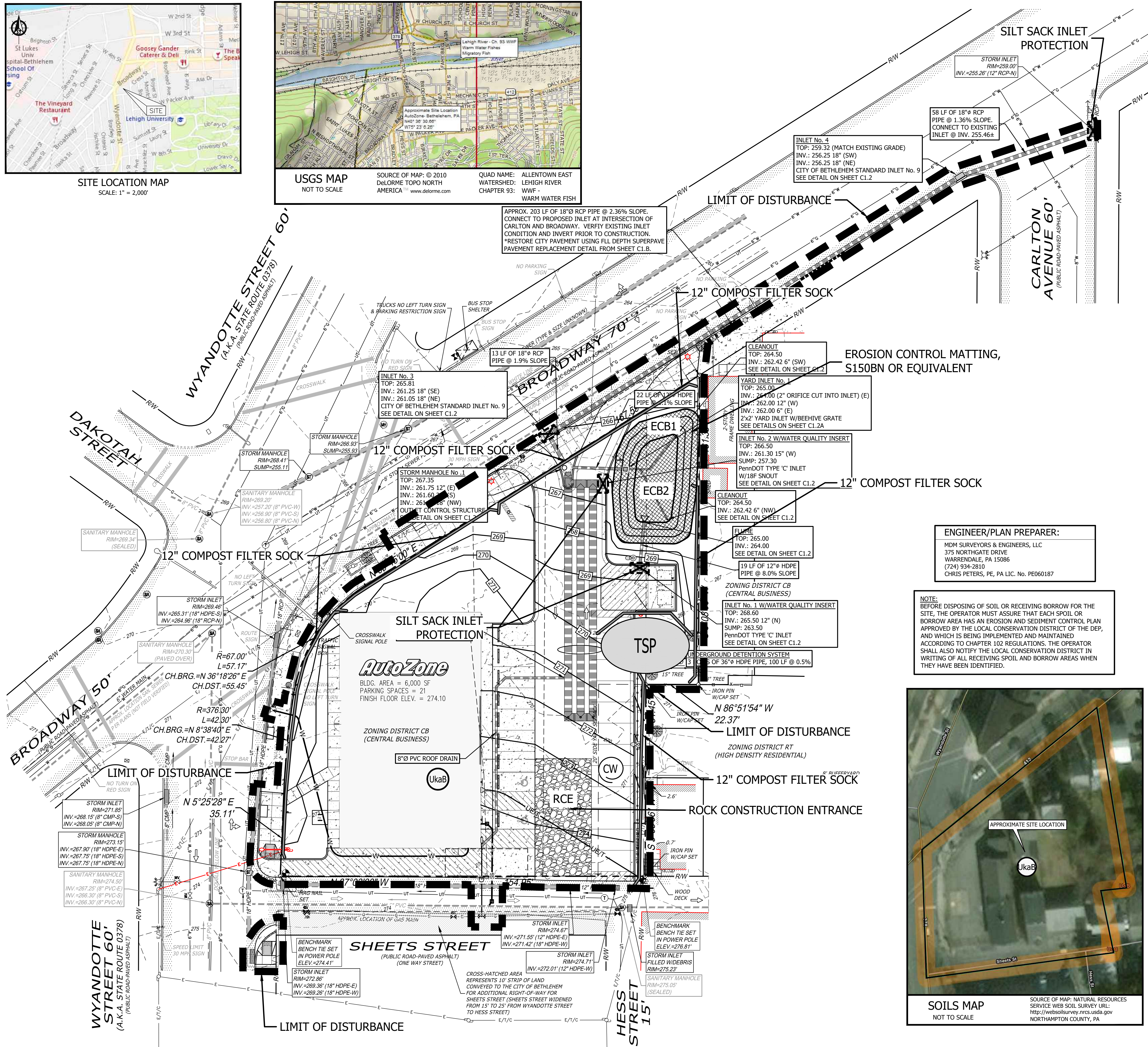


USGS MAP  
NOT TO SCALE

SOURCE OF MAP: © 2010  
DELOMRE TOPO NORTH  
AMERICA™ www.delorme.com

QUAD NAME: ALLENTOWN EAST  
WATERSHED: LEHIGH RIVER  
CHAPTER 93: WWF -  
WARM WATER FISH

APPROX. 203 LF OF 18" RCP PIPE @ 2.36% SLOPE.  
CONNECT TO PROPOSED INLET AT INTERSECTION OF  
CARLTON AND BROADWAY. VERIFY EXISTING INLET  
CONDITION AND INVERT PRIOR TO CONSTRUCTION.  
\*RESTORE CITY PAVEMENT USING FULL DEPTH SUPERPAVE  
PAVEMENT REPLACEMENT DETAIL FROM SHEET C1.B.



LEGEND OF SYMBOLS	
Water Line	— W — W —
Gas Line	— G — G —
Overhead Electric, Telephone & Cable Line	— E/T/C —
Overhead Electric Line	— E — E —
Underground Telephone Line	— UT — UT —
Storm Sewer	— S — S —
Sanitary Sewer	— SS — SS —
Depressed Curb	— DC —
Chain Link Fence	— CL —
Wooden/Vinyl Fence	— WF —
Traffic Signal Pole	— TSP —
Street Light	— SL —
Iron pin w/cap set (Unless otherwise noted)	— IP —
Traffic Flow Arrow	— TFA —
Storm Manhole	— SM —
Storm Inlet	— SI —
Sanitary Manhole	— SMH —
Cleanout	— C —
Telephone Manhole	— TMH —
Finished Floor Elevation	— F.F.E. —
High Density Polyethylene	— HDPE —
Polyvinyl Chloride	— PVC —
Reinforced Concrete Pipe	— RCP —
Trees	— T —
Turn Arrow	— TA —
Gas Valve	— GV —
Water Valve	— WV —
Electric Meter	— EM —
Fire Hydrant	— FH —
Utility Pole	— UP —
Guy Wire	— GW —
Elec. Pedestal	— EP —
Sign	— S —
Bollard	— B —
Asphalt	— A —
Concrete	— C —

NOTES:  
THIS PLAN TO BE USED FOR THE CONSTRUCTION OF  
EROSION AND SEDIMENTATION CONTROL BMP'S ONLY.

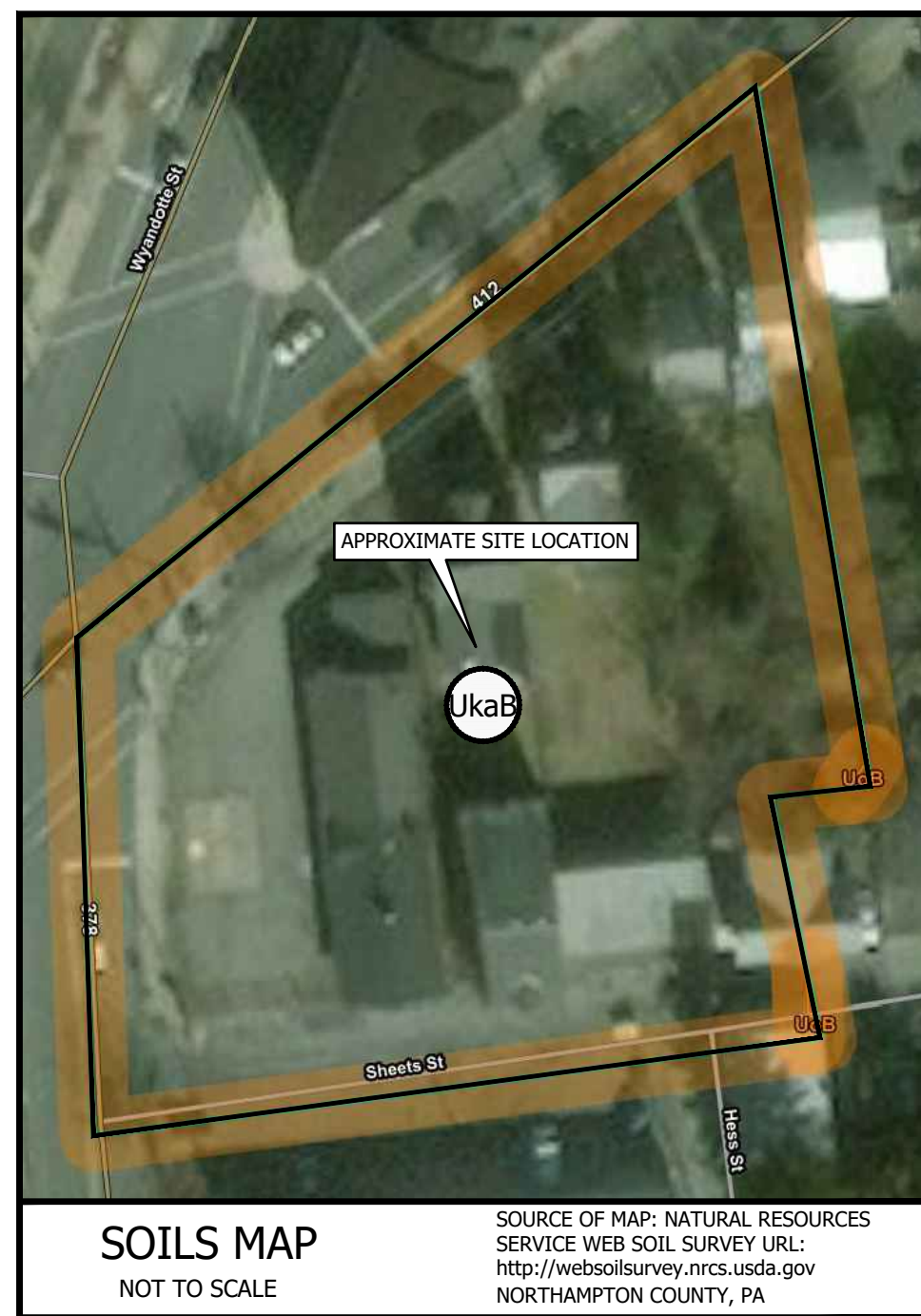
TOTAL PROPERTY AREA: 25,506.66 SF = 0.585 ACRES  
LIMITS OF DISTURBANCE: 29,993 SF = 0.70 ACRES

E & S LEGEND	
— 275 —	PROPOSED CONTOUR
— 270 —	EXISTING CONTOUR
— L —	LIMIT OF DISTURBED AREA
— CD —	COMPOST SILT/SOXX™, SEE DETAIL ON SHEET C1.5
— RCE —	ROCK CONSTRUCTION ENTRANCE, SEE DETAIL ON SHEET C1.5
— ECB1 —	EROSION CONTROL BLANKET SEE DETAIL ON SHEET C1.5
— TSP —	TOSOIL STOCKPILE
— SW —	SILT SACK INLET PROTECTION, SEE DETAIL ON SHEET C1.5
— CW —	CONCRETE WASHOUT, SEE DETAIL ON SHEET C1.5
— UkaB —	URBAN LAND, 0 TO 8 PERCENT SLOPES

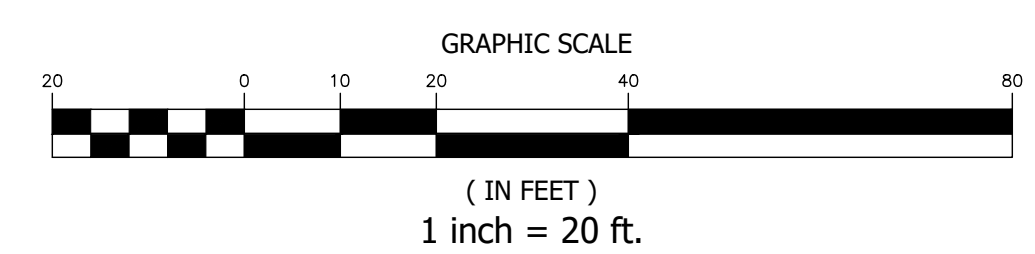
ENGINEER/PLAN PREPARER:  
MDM SURVEYORS & ENGINEERS, LLC  
375 NORTHGATE DRIVE  
WARRENDALE, PA 15086  
(724) 934-2810  
CHRIS PETERS, PE, PA LIC. NO. PE060187

NOTE:  
BEFORE DISPOSING OF SOIL OR RECEIVING BORROW FOR THE SITE, THE OPERATOR MUST ASSURE THAT EACH SPOIL OR BORROW AREA HAS AN EROSION AND SEDIMENT CONTROL PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OF THE DEP, AND WHICH IS BEING IMPLEMENTED AND MAINTAINED ACCORDING TO CHAPTER 102 REGULATIONS. THE OPERATOR SHALL ALSO NOTIFY THE LOCAL CONSERVATION DISTRICT IN WRITING OF ALL RECEIVING SPOIL AND BORROW AREAS WHEN THEY HAVE BEEN IDENTIFIED.

EROSION CONTROL BLANKETS					
LOCATION	SLOPE AREAS (S.F.)	LONGEST RUN (FT.)	SLOPE	NA GREEN OR EQUIVALENT MATERIAL	STAPLE PATTERN
ECB1	1,210	13	3:1	S150BN	'B'
ECB2	580	18	0:0	S75	'A'



SOILS MAP  
NOT TO SCALE  
SOURCE OF MAP: NATURAL RESOURCES SERVICE WEB SOIL SURVEY URL: http://websoilsurvey.nrcs.usda.gov NORTHAMPTON COUNTY, PA

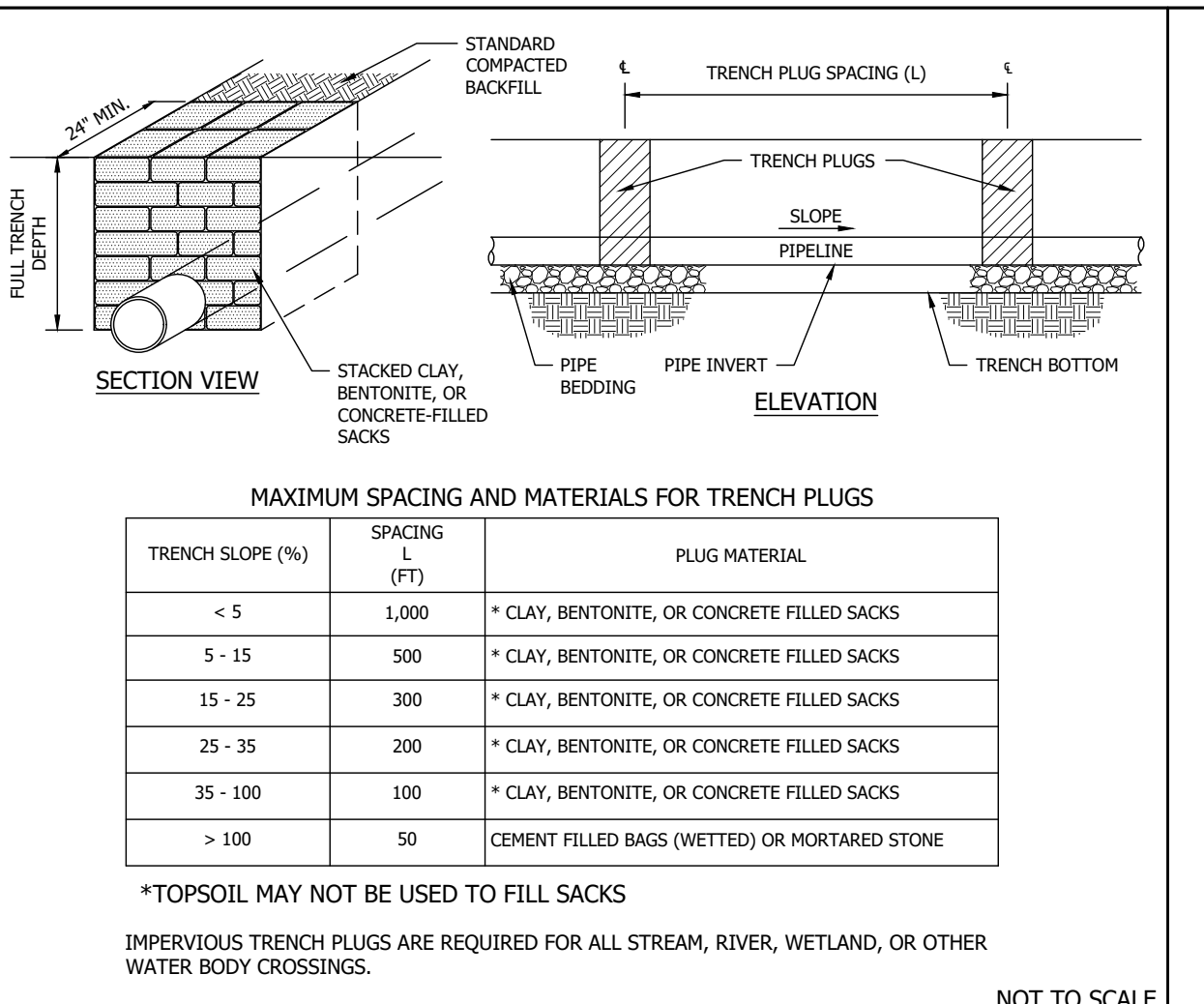
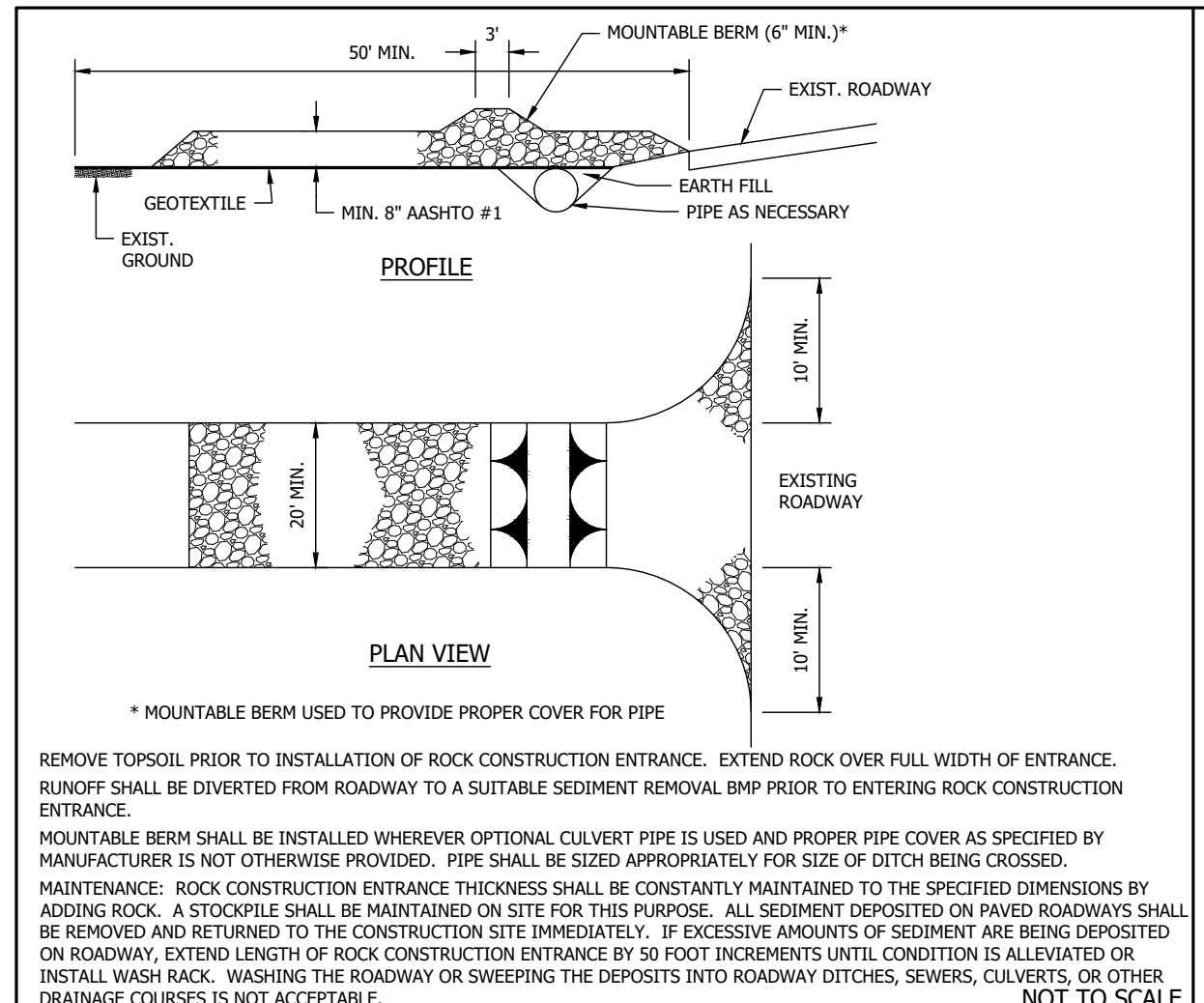


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 Owner / Developer:  
**AZ Bethlehem, LLC**  
 P.O. BOX 1908  
 MEDIA, PA 19063  
 PREPARED FOR:  
**AutoZone**  
 Store No.: 1400  
 501 WYANDOTTE STREET  
 CITY OF BETHLEHEM, COUNTY OF NORTHAMPTON  
 COMMONWEALTH OF PENNSYLVANIA  
**EROSION & SEDIMENTATION CONTROL PLAN**  
 SCALE: 1" = 20'-0"  

REVISIONS	
02/24/2021	1. PER CITY COMMENTS
04/15/2021	2. PER CITY COMMENTS
	3.
	4.
	5.
	6.
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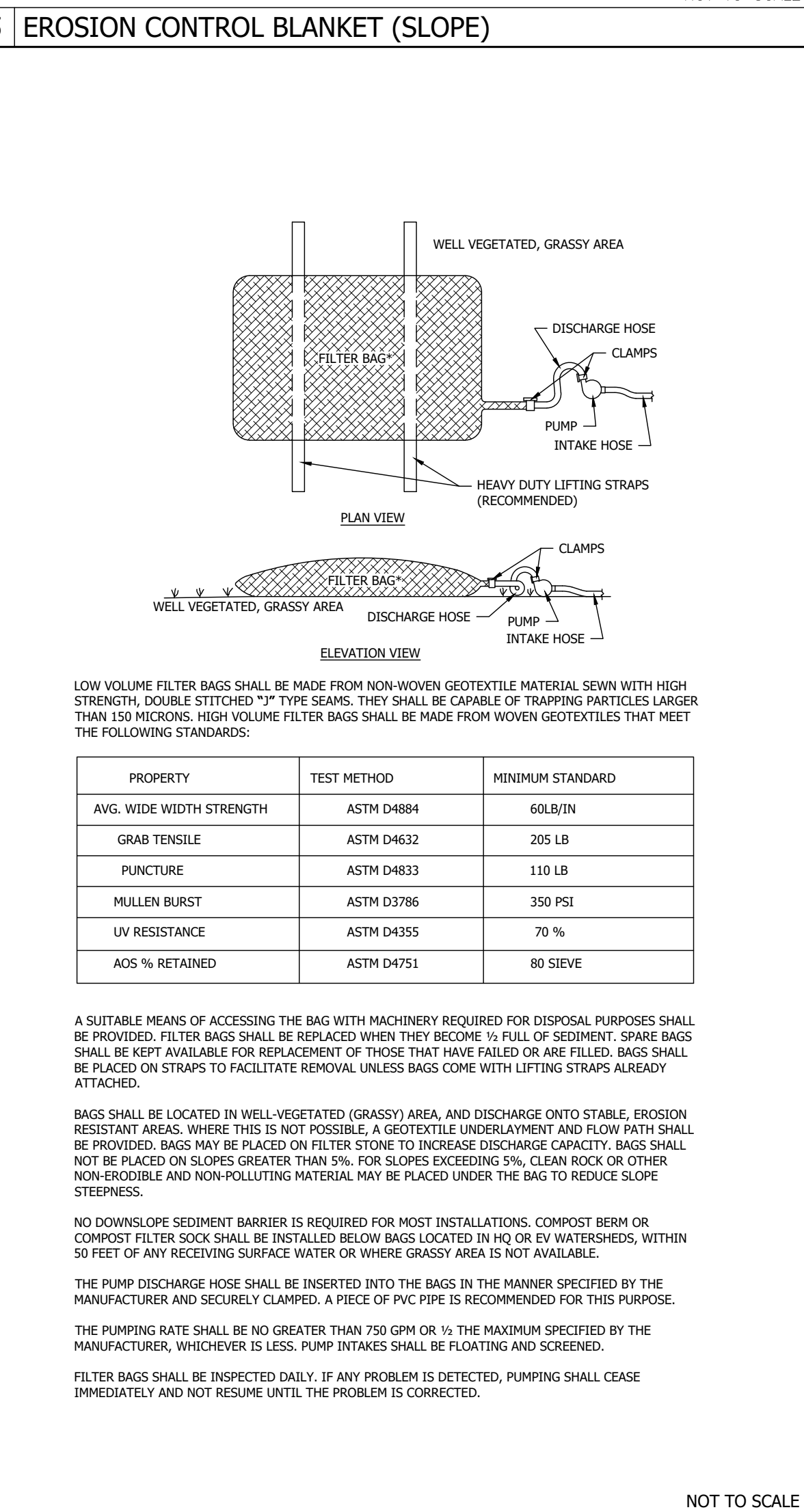
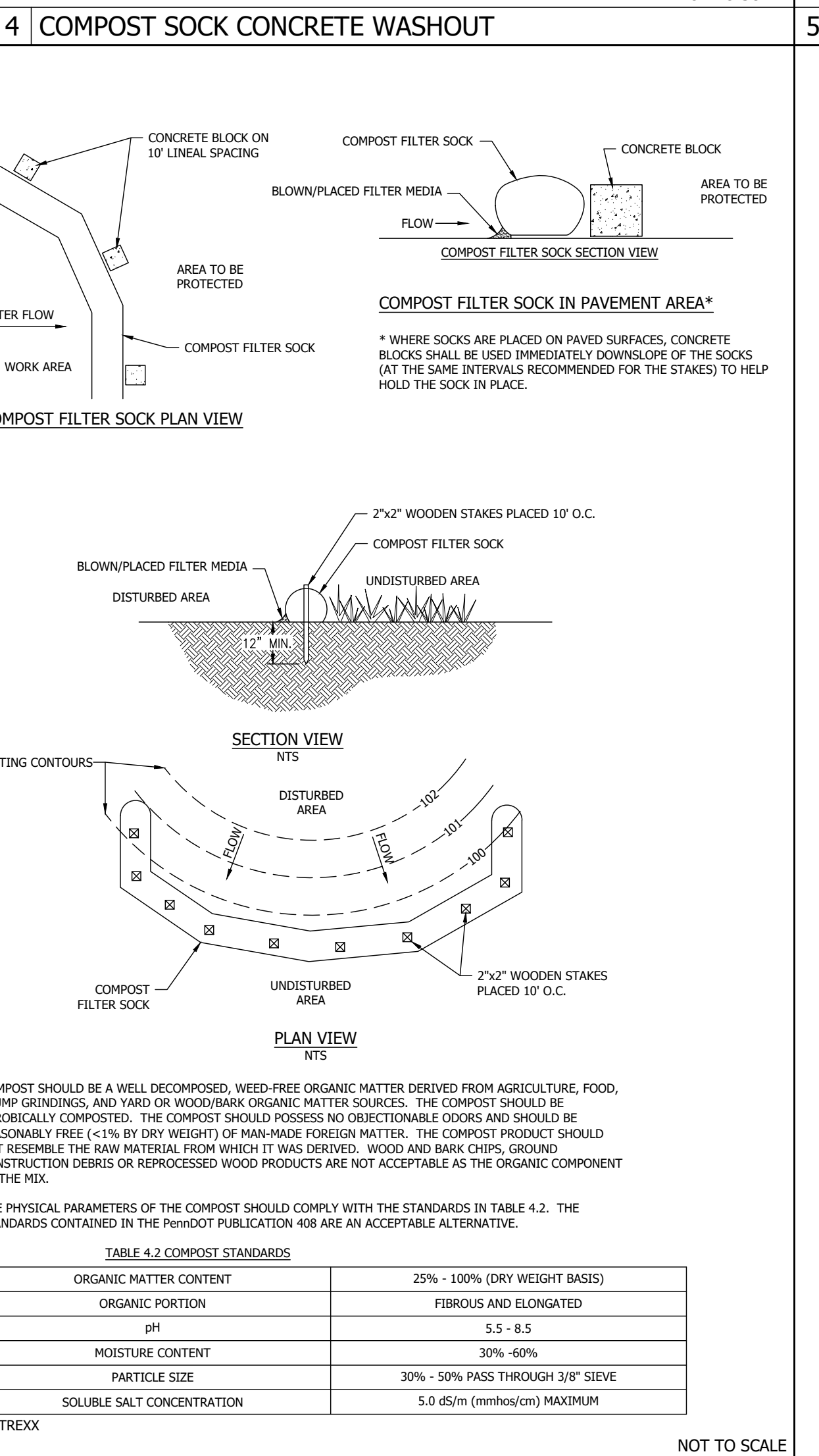
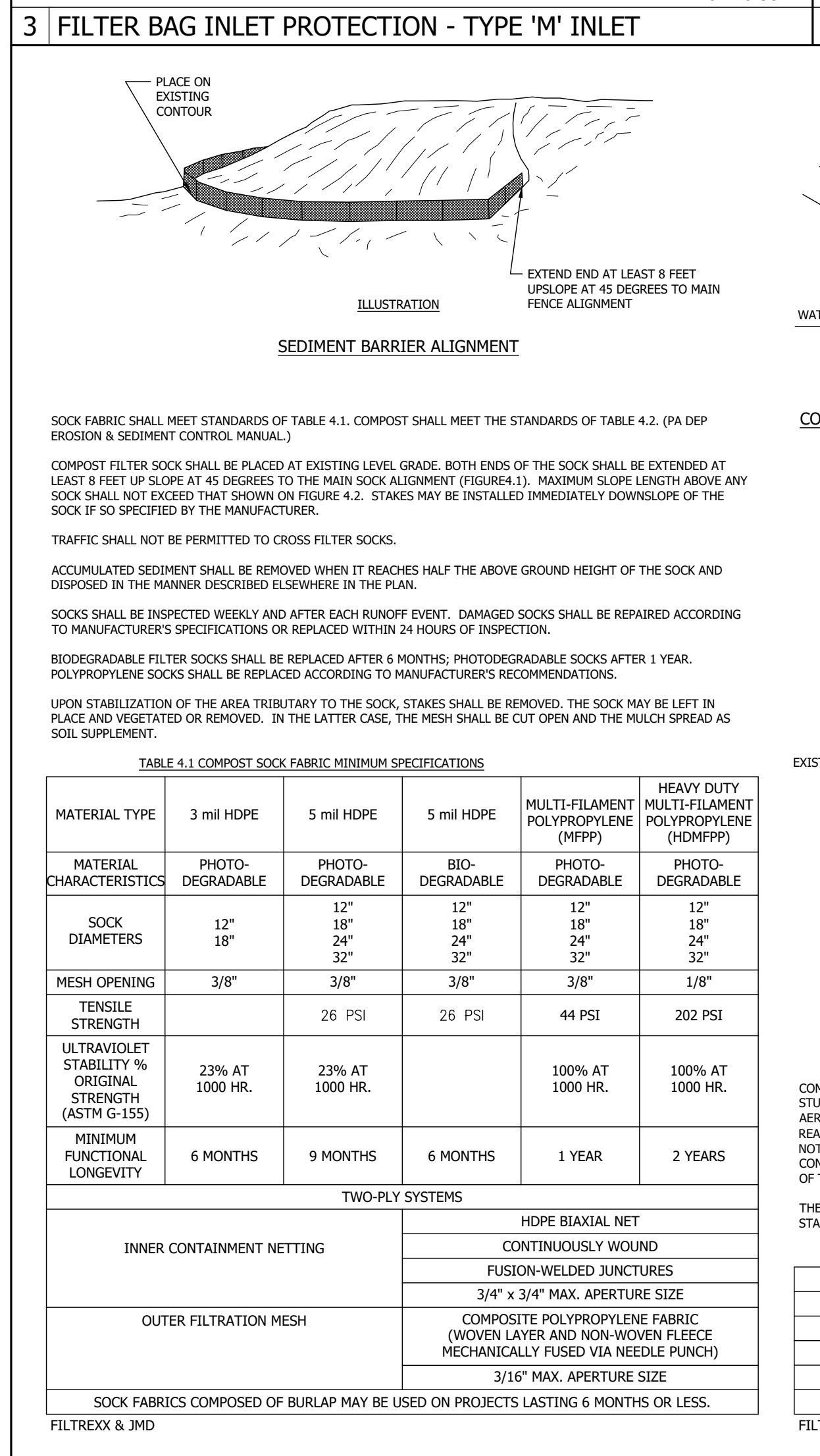
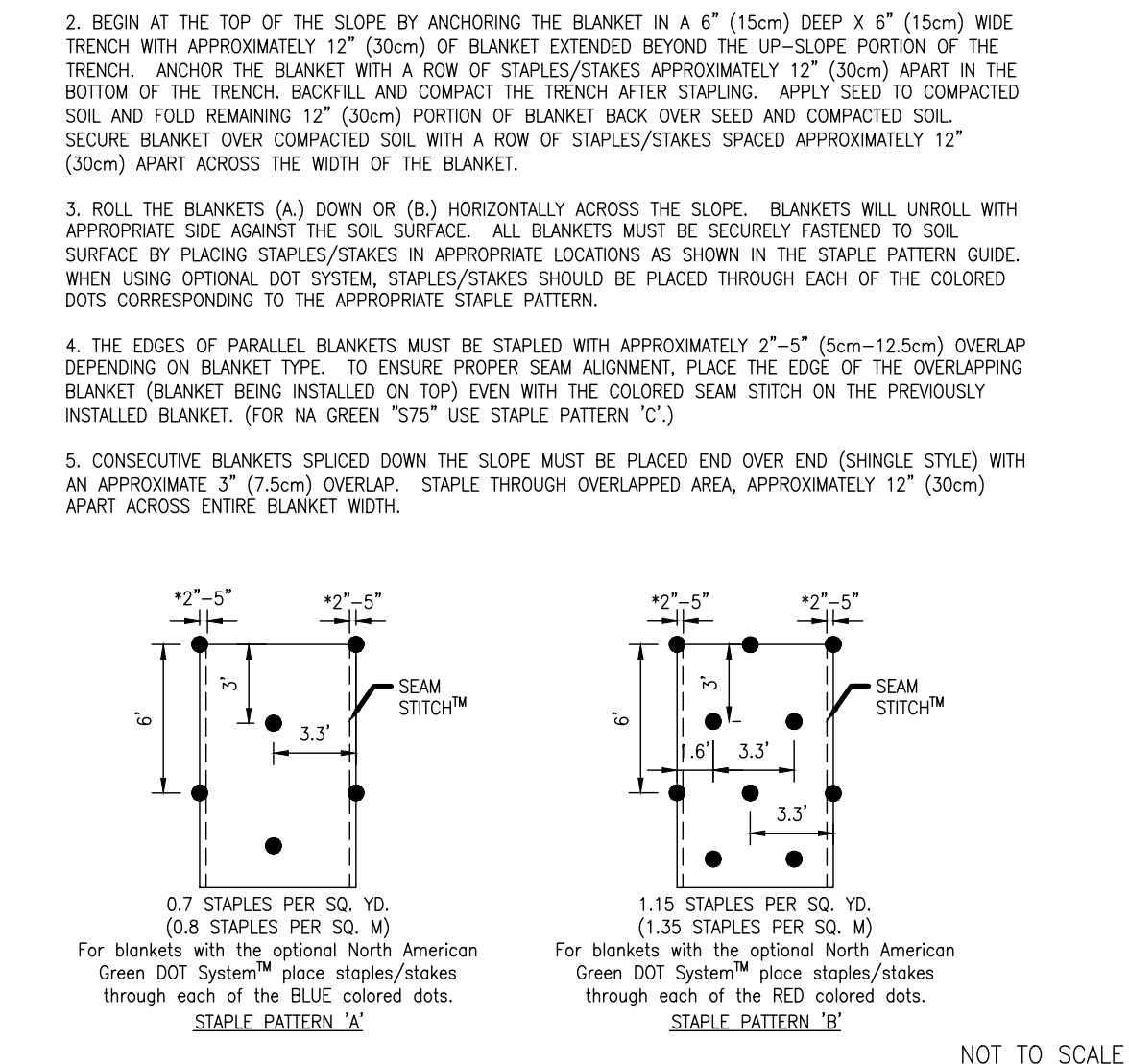
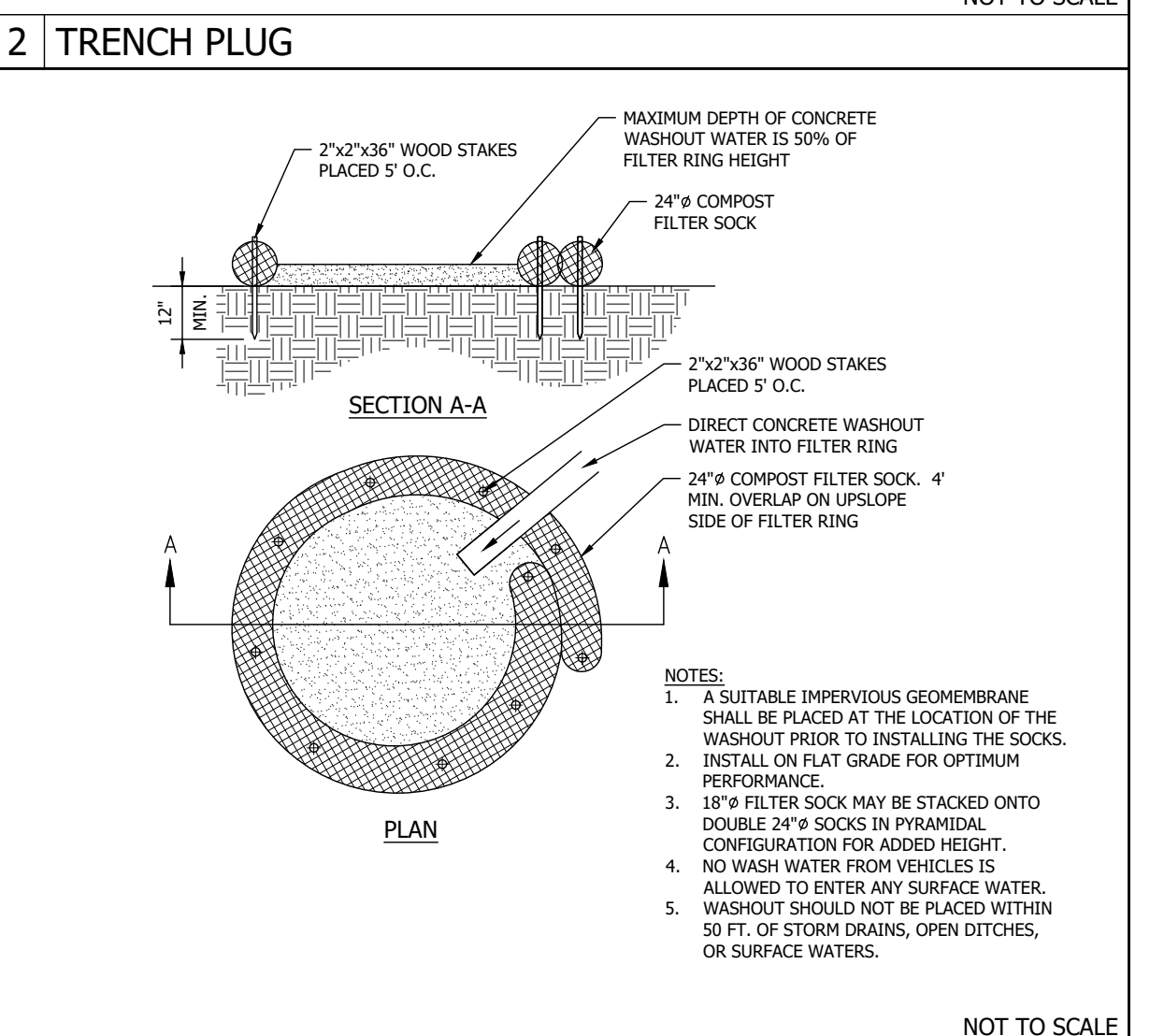
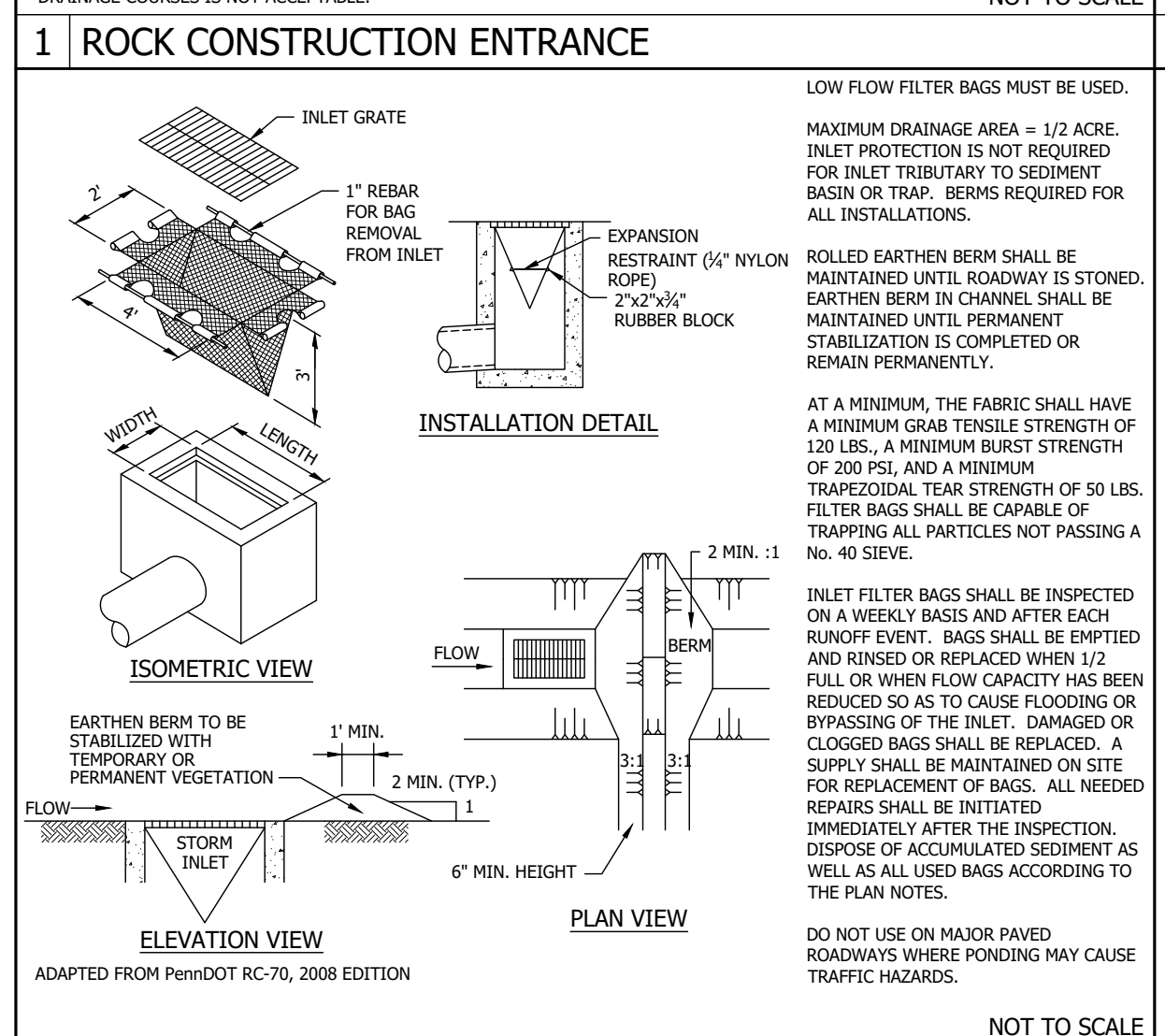
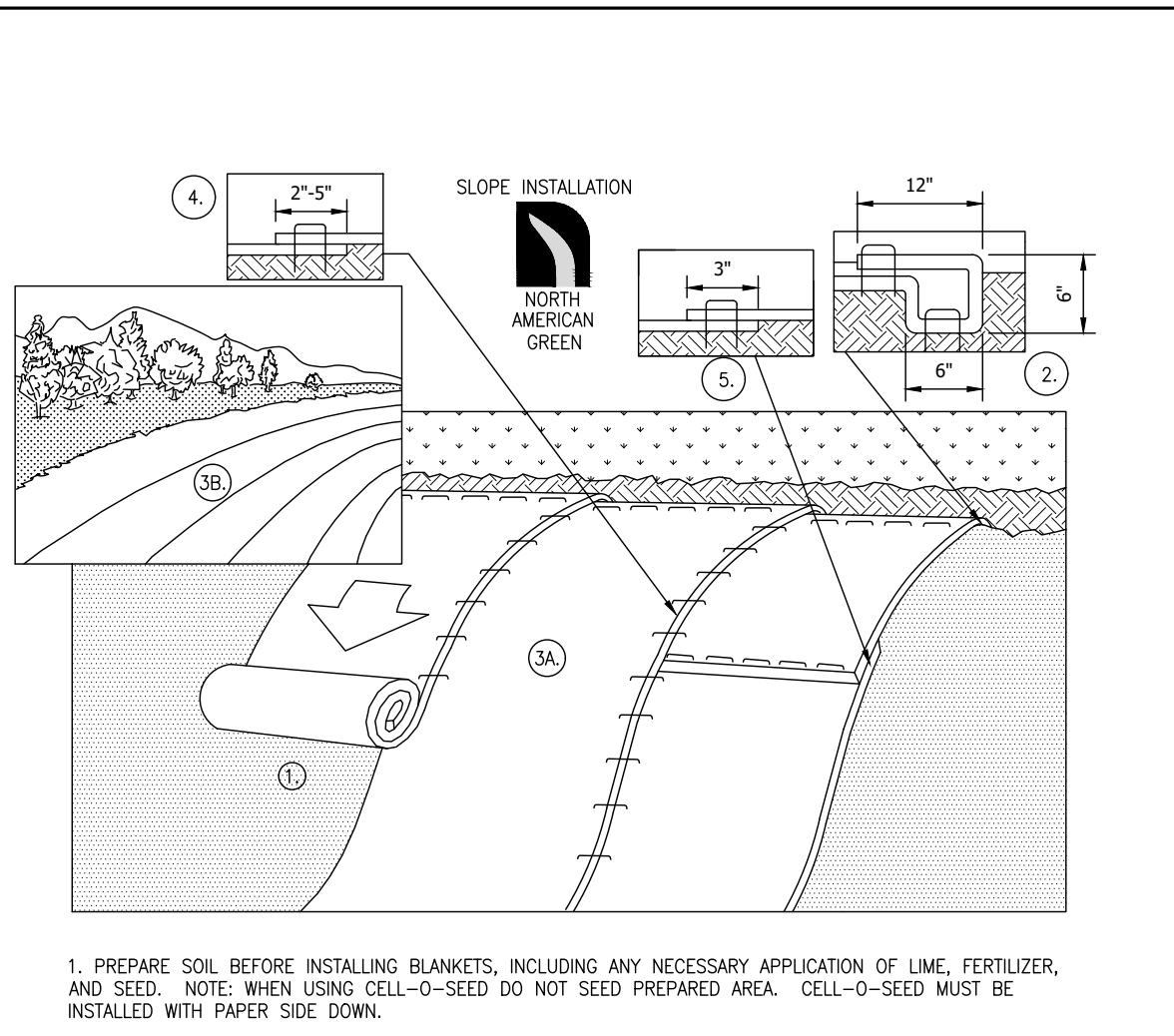
 ARCHITECT: LE  
 DRAFTSMAN: CWT  
 CHECKED BY: CAD  
 DATE: 10-23-2020  
 PROTOTYPE SIZE: 6w2  
  
**CALL BEFORE YOU DIG!**  
 PENNSYLVANIA LAW REQUIRES  
 3 WORKING DAYS NOTICE FOR  
 CONSTRUCTION PHASE AND 10 WORKING  
 DAYS IN DESIGN STAGE - STOP CALL  
 PENNSYLVANIA ONE CALL SYSTEM, INC.  
 1-800-242-1776  
**C1.3**





**MAXIMUM SPACING AND MATERIALS FOR TRENCH PLUGS**

TRENCH SLOPE (%)	SPACING L (FT)	PLUG MATERIAL
< 5	1,000	* CLAY, BENTONITE, OR CONCRETE FILLED SACKS
5 - 15	500	* CLAY, BENTONITE, OR CONCRETE FILLED SACKS
15 - 25	300	* CLAY, BENTONITE, OR CONCRETE FILLED SACKS
25 - 35	200	* CLAY, BENTONITE, OR CONCRETE FILLED SACKS
35 - 100	100	* CLAY, BENTONITE, OR CONCRETE FILLED SACKS
> 100	50	CEMENT FILLED BAGS (WETTED) OR MORTARED STONE



PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D4884	60LB/IN
GRAB TENSILE	ASTM D4632	205 LB
PUNCTURE	ASTM D4833	110 LB
MULLEN BURST	ASTM D3786	350 PSI
UV RESISTANCE	ASTM D4355	70 %
AOS % RETAINED	ASTM D4751	80 SIEVE

**TABLE 4.2 COMPOST STANDARDS**

ORGANIC MATTER CONTENT	25% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.5
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	30% - 50% PASS THROUGH 3/8" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 dg/m (mmhos/cm) MAXIMUM

**6 COMPOST FILTER SOCK**

**7 PUMPED WATER FILTER BAG**

Owner / Developer:  
**AZ Bethlehem, LLC**  
P.O. BOX 1908  
MEDIA, PA 19063

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PREPARED FOR:  
**AutoZone**  
Store No. : 1400  
501 WYANDOTTE STREET  
CITY OF BETHLEHEM, COUNTY OF NORTHAMPTON  
COMMONWEALTH OF PENNSYLVANIA

SCALE: AS NOTED

**REVISIONS**

NO.	DATE	DESCRIPTION
1.	02/24/2021	PER CITY COMMENTS
2.	04/15/2021	PER CITY COMMENTS
3.		
4.		
5.		
6.		
7.		

ARCHITECT: LE  
DRAFTSMAN: CWT  
CHECKED BY: CAD  
DATE: 10-23-2020  
PROTOTYPE SIZE: 6W2

**C1.5**



**SITE LOCATION MAP**  
SCALE: 1" = 2,000'

**UTILITY SERVICE INFORMATION**

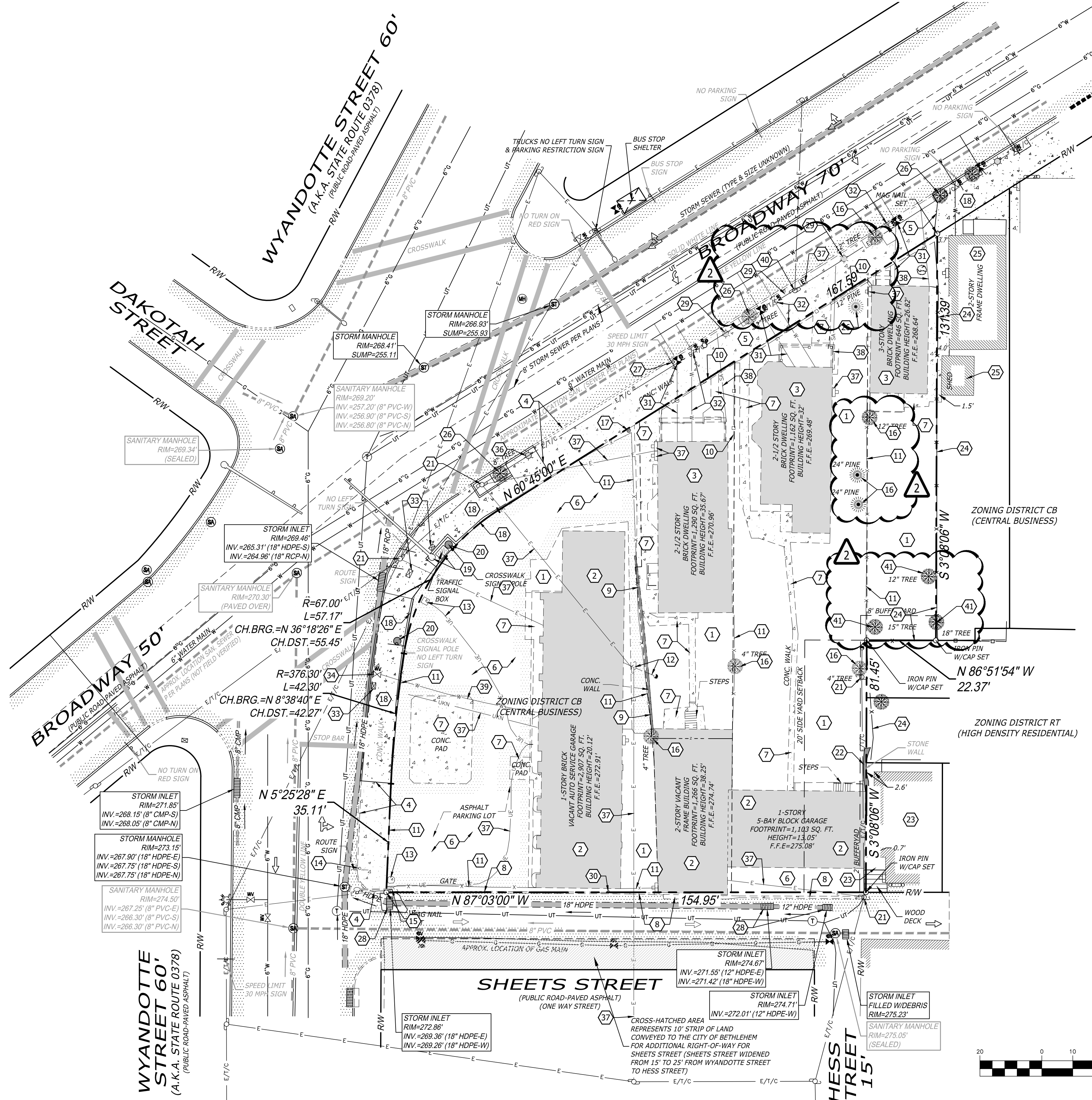
<b>ELECTRIC SERVICE</b> PPL ELECTRIC 503 NEW MARKET STREET WILKES BARRE, PA 18702 877-220-6016 MR. MARK SANTAYANA	<b>GAS SERVICE</b> UGI LANCASTER 2121 CITY LINE ROAD BETHLEHEM, PA 18017 TAREK SAYEGH
<b>SANITARY &amp; STORM SEWER</b> CITY OF BETHLEHEM 10 EAST CHURCH STREET BETHLEHEM, PA 18018 610-865-7063 MR. PETER KOSTYK	<b>TELEPHONE SERVICE</b> VERIZON 877-246-9977
<b>WATER SERVICE</b> CITY OF BETHLEHEM 10 EAST CHURCH STREET BETHLEHEM, PA 18018 610-997-7947 MR. ROBERT TAYLOR	

**DEMOLITION NOTES**

- CONTRACTOR TO REVIEW PHASE II REPORT FOR SITE AND TO BE FAMILIAR WITH ANY AND ALL MATERIALS THAT MAY BE ENCOUNTERED OR OUTLINED IN PHASE II REPORT.
- ALL WORK TO BE ACCOMPLISHED IN STRICT ACCORDANCE WITH ALL LOCAL ORDINANCES, CITY OR STATE.
- WITHIN THE SUBJECT PROPERTY, THE INTENT IS TO HAVE A CLEAN, CLEAR SITE, FREE OF ALL EXISTING ITEMS NOTED TO BE REMOVED IN ORDER TO PERMIT THE CONSTRUCTION OF THE NEW PROJECT.
- ALL ITEMS NOTED TO BE REMOVED BY THE SELLER SHALL BE ACCOMPLISHED PRIOR TO THE CLOSING OF THE REAL ESTATE TRANSACTION. ALL OTHER ITEMS NOTED TO BE REMOVED SHALL BE DONE SO AS PART OF THE CONTRACT FOR GENERAL CONSTRUCTION.
- REMOVE ALL UTILITIES TO EXISTING STRUCTURES WHETHER SHOWN OR NOT. CUT AND CAP ALL UNDERGROUND LINES AT THE PROPERTY LINE UNLESS OTHERWISE NOTED.
- FOR ALL ITEMS NOTED TO BE REMOVED - REMOVE NOT ONLY THE ABOVE GROUND ELEMENTS, BUT ALL UNDERGROUND ELEMENTS AS WELL, INCLUDING BUT NOT NECESSARILY LIMITED TO: FOUNDATIONS, GRAVEL FILLS, TREE ROOTS, OLD PIPE, ETC.
- BACKFILL ALL EXCAVATIONS RESULTING FROM THE DEMOLITION WORK TO MEET THE REQUIREMENTS FOR FILL OUTLINED IN THE SOILS REPORT.
- GENERAL CONTRACTOR IS RESPONSIBLE TO VERIFY, PRIOR TO THE FINAL CONTRACT EXECUTION, IF ANY BUILDING STRUCTURE THAT IS NOTED TO BE REMOVED HAS A BASEMENT. IF SO THE BUILDING STRUCTURE, BOTH FLOOR STRUCTURES, BASEMENT, FOUNDATION, ETC. ARE TO BE REMOVED AND BACKFILLED TO EXISTING GRADE ELEVATIONS SURROUNDING THE EXISTING STRUCTURE.
- DEMOLITION SHOULD NOT BEGIN UNTIL E&S CONTROLS HAVE BEEN COMPLETED.
- GENERAL CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL TEMPORARY CONSTRUCTION FENCING, BARRICADES, SIGNAGE, ETC. TO PROVIDE A SECURE WORK SITE, AND PROTECT PEDESTRIANS AND VEHICLES DURING CONSTRUCTION OPERATIONS. COORDINATE INSTALLATION OF FENCING, BARRICADES, SIGNS, ETC., WITH LAND OWNER, CITY OF BETHLEHEM AND AUTOZONE CONSTRUCTION MANAGER.
- GENERAL CONTRACTOR TO CONFIRM LOCATION, SIZE, ETC., OF SANITARY LATERAL SERVICES TO ALL STRUCTURES PROPOSED TO BE DEMOLISHED, AND COORDINATE REMOVAL WITH CITY OF BETHLEHEM. REMOVE ALL LATERALS, CLEANOUTS, ETC., AND PLUG AND CAP LATERALS IN ACCORDANCE WITH CITY OF BETHLEHEM REQUIREMENTS.
- GENERAL CONTRACTOR TO DETERMINE LOCATION, SIZE, CONNECTION, ETC., OF ANY STORM DOWNSPOUTS AND STORM LATERALS TO ALL STRUCTURES PROPOSED TO BE DEMOLISHED, AND REMOVE AS REQUIRED. PLUG AND CAP ANY STORM LATERAL CONNECTIONS TO CITY STORM/SANITARY MAINS IN ACCORDANCE WITH CITY OF BETHLEHEM REQUIREMENTS.

**LEGEND OF SYMBOLS**

Water Line	— W — W — W —	Traffic Light	⊙
Gas Line	— G — G — G —	Trees	🌳
Overhead Electric, Telephone & Cable Line	— E/T/C — E/T/C —	Turn Arrow	➡
Overhead Electric Line	— E — E — E —	Gas Valve	⊕
Underground Telephone Line	— UT — UT — UT —	Water Valve	⊕
Storm Sewer	— SS — SS — SS —	Electric Meter	⊕
Sanitary Sewer	— SS — SS — SS —	Fire Hydrant	⊕
Depressed Curb	— DC — DC — DC —	Utility Pole	⊕
Chain Link Fence	— CL — CL — CL —	Guy Wire	⊕
Wooden/Vinyl Fence	— WF — WF — WF —	Elec. Pedestal	⊕
Traffic Signal Pole	— TSP — TSP — TSP —	Sign	⊕
Street Light	⊙	Bollard	⊕
Iron pin w/cap set (Unless otherwise noted)	⊕	Asphalt	▨
Traffic Flow Arrow	➡	Concrete	▨
Storm Manhole	⊕		
Storm Inlet	⊕		
Sanitary Manhole	⊕		
Cleanout	⊕		
Telephone Manhole	⊕		
Right-of-Way	R/W		
Finished Floor Elevation	F.F.E.		
High Density Polyethylene	HDPE		
Polyvinyl Chloride	PVC		
Reinforced Concrete Pipe	PCP		

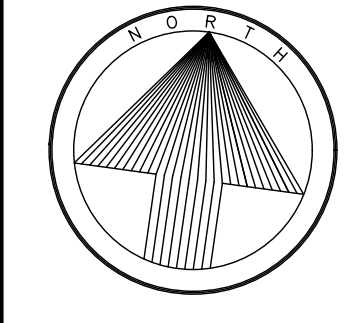


**DEMOLITION KEYNOTES**

- CLEAR AND GRUB SITE, AS REQUIRED, FOR NEW SITE IMPROVEMENTS. SEE E&S PLAN FOR LIMITS OF DISTURBANCE.
- REMOVE EXISTING BUILDING/GARAGE, INCLUDING FLOOR SLAB AND FOUNDATION, AND PREP FOR NEW BUILDING OR PAVEMENT.
- REMOVE EXISTING DWELLING, INCLUDING BASEMENT, FOUNDATION, PORCH AND EXTERIOR STAIRS, AND PREP FOR NEW GRADING OR PAVEMENT.
- SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALK & DEPRESSED CURBS, AND PREP FOR NEW CURB/SIDEWALK OR ASPHALT PAVEMENT. PROTECT REMAINING EDGE DURING CONSTRUCTION. SEE SITE PLAN.
- SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALK/CURB, AND PREP FOR NEW CONCRETE SIDEWALK/DRIVEWAY. PROTECT REMAINING EDGE DURING CONSTRUCTION.
- REMOVE EXISTING ASPHALT PAVEMENT.
- REMOVE EXISTING CONCRETE PAD OR SIDEWALK.
- REMOVE EXISTING CONCRETE CURB OR DEPRESSED CURB.
- REMOVE EXISTING CONCRETE WALL, INCLUDING FOUNDATION.
- REMOVE EXISTING IRON FENCE, INCLUDING BASE, POSTS AND GATES.
- REMOVE EXISTING CHAIN LINK FENCE, INCLUDING BASE, POSTS AND GATES.
- REMOVE EXISTING UTILITY POLE AND GUY WIRE. COORDINATE WITH PROPER UTILITY COMPANIES.
- REMOVE EXISTING SIGN BASE, INCLUDING FOUNDATION AND WIRING, IF REQUIRED.
- EXISTING "ROUTE" SIGN TO BE REMOVED AND RELOCATED ALONG WYANDOTTE STREET. SEE SITE PLAN FOR RELOCATION.
- EXISTING UTILITY POLE W/STREET LIGHT TO BE RELOCATED. COORDINATE WITH POWER COMPANY. SEE SITE UTILITY PLAN.
- REMOVE EXISTING TREE, INCLUDING ROOT SYSTEM.
- REMOVE EXISTING BOLLARD, INCLUDING BASE.
- EXISTING CONCRETE SIDEWALK AND/OR CURB TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING TRAFFIC SIGNAL BOX & POLE TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING CROSSWALK SIGNAL POLE TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING UTILITY POLE TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING STONE WALL TO REMAIN. PROTECT REMAINING EDGE DURING CONSTRUCTION.
- EXISTING DWELLING AND WOOD DECK TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING DWELLING AND SHED TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING TREE TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING SIGN TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING STORM INLET TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING DECORATIVE STREET LIGHT TO BE REMOVED & RELOCATED, INCLUDING WIRING. CONFIRM LOCATION WITH CITY OFFICIALS PRIOR TO CONSTRUCTION. PROTECT DURING CONSTRUCTION. SEE SITE PLAN.
- EXISTING "ONE WAY" SIGN TO BE REMOVED & RELOCATED. CONFIRM NEW LOCATION WITH CITY OFFICIALS PRIOR TO CONSTRUCTION. SEE SITE PLAN.
- EXISTING GAS SERVICE LATERAL AND VALVE TO BE REMOVED AND CAPPED, PER GAS COMPANY REQUIREMENTS. COORDINATE WITH GAS COMPANY PRIOR TO CONSTRUCTION.
- EXISTING WATER SERVICE LATERAL AND VALVE TO BE REMOVED AND CAPPED, PER CITY OF BETHLEHEM REQUIREMENTS. COORDINATE WITH CITY PRIOR TO CONSTRUCTION.
- EXISTING UTILITY VAULT TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING WATER VALVE TO REMAIN. PROTECT DURING CONSTRUCTION. PREP FOR NEW WATER SERVICE.
- EXISTING ELECTRIC PEDESTAL TO REMAIN AND BE MADE FLUSH TO NEW CONCRETE SIDEWALK. PROTECT DURING CONSTRUCTION.
- REMOVE EXISTING ELECTRIC, TELEPHONE AND CABLE SERVICES, INCLUDING METERS, CONDUIT AND WIRE, ETC., TO STRUCTURES PROPOSED TO BE DEMOLISHED. COORDINATE WITH UTILITY COMPANIES.
- REMOVE EXISTING SANITARY LATERALS, CLEANOUTS, ETC., TO STRUCTURES PROPOSED TO BE DEMOLISHED. COORDINATE WITH SANITARY AUTHORITY.
- REMOVE EXISTING WATER LATERAL, AND PREP FOR NEW WATER SERVICE LINE. COORDINATE WITH WATER AUTHORITY.
- EXISTING ELECTRIC POLE TO REMAIN. COORDINATE RE SET OF ADJACENT ELECTRIC BOX WITH STREET LIGHT RELOCATIONS. COORDINATE WITH CITY PUBLIC WORKS DEPARTMENT.
- EXISTING TREES OVER 8" DIAMETER TO REMAIN, PROTECT DURING CONSTRUCTION, INCLUDING ROOT SYSTEM.

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Owner / Developer:  
**AZ Bethlehem, LLC**  
P.O. BOX 1908  
MEDIA, PA 19063



PREPARED FOR:  
**AutoZone**  
Store No.: 1400  
501 WYANDOTTE STREET  
CITY OF BETHLEHEM, COUNTY OF NORTHAMPTON  
COMMONWEALTH OF PENNSYLVANIA

SCALE: 1" = 20'-0"

**REVISIONS**

02/24/2021	1. PER CITY COMMENTS
04/15/2021	2. PER CITY COMMENTS
3.	
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ARCHITECT: LE  
DRAFTSMAN: CWT  
CHECKED BY: CAD

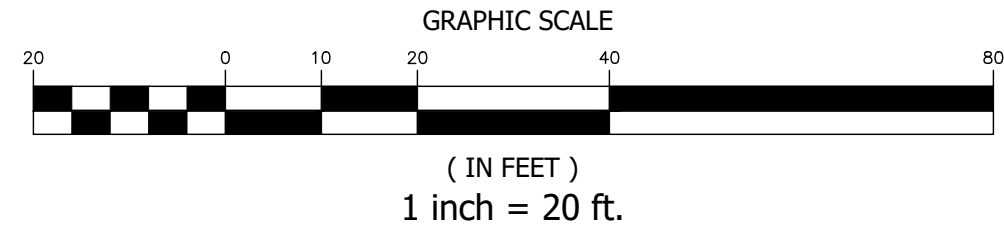


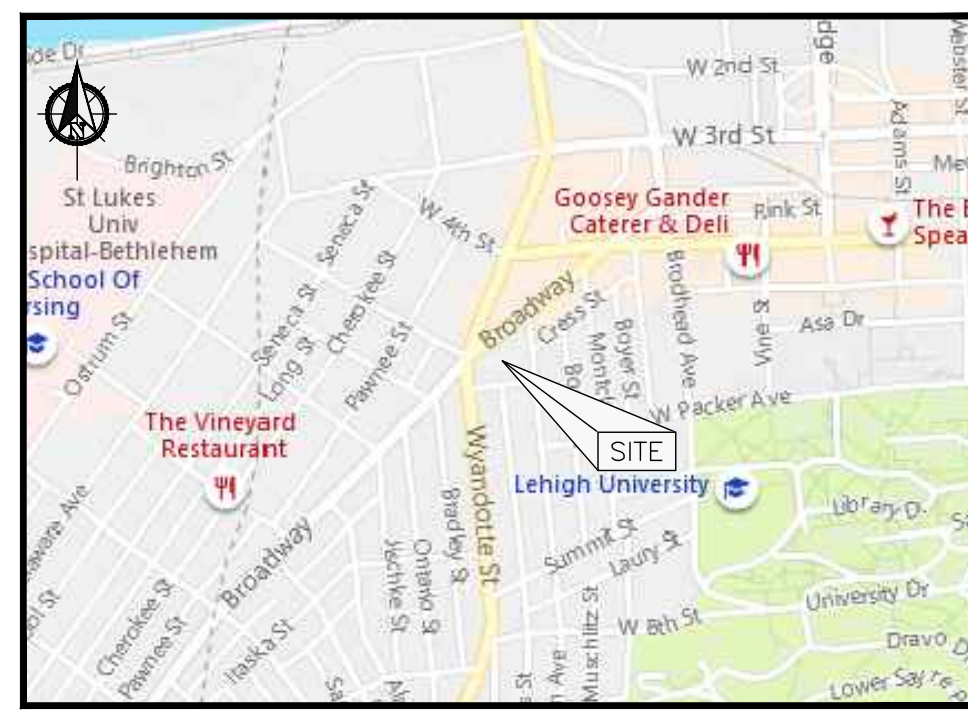
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SERIAL NO.: 2020092063 (DIG)  
SERIAL NO.: 2020092076 (DESIGN)

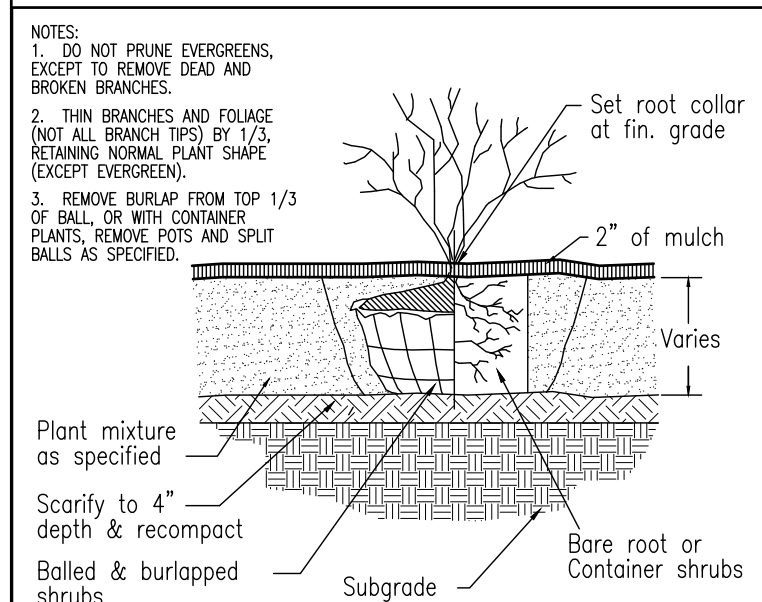
**CALL BEFORE YOU DIG!**  
PENNSYLVANIA LAW REQUIRES  
3 WORKING DAYS NOTICE FOR  
CONSTRUCTION PHASE AND 10 WORKING  
DAYS IN DESIGN STAGE - STOP CALL  
PENNSYLVANIA ONE CALL SYSTEM, INC.

1-800-242-1776

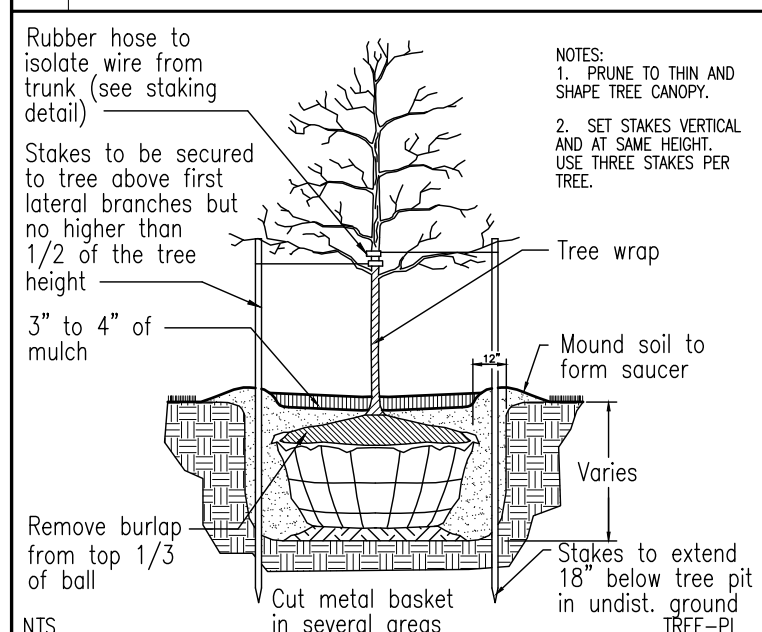




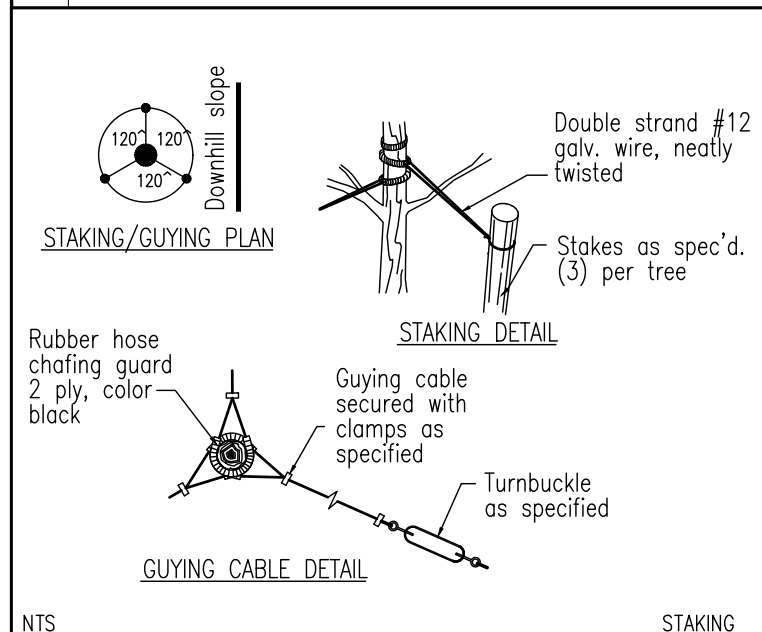
**SITE LOCATION MAP**  
SCALE: 1" = 2,000'



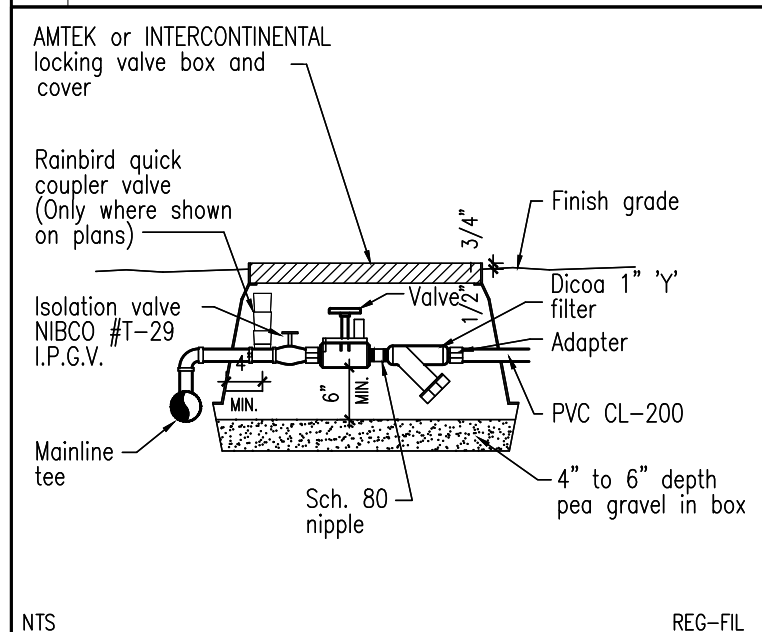
**1 SHRUB PLANTING**



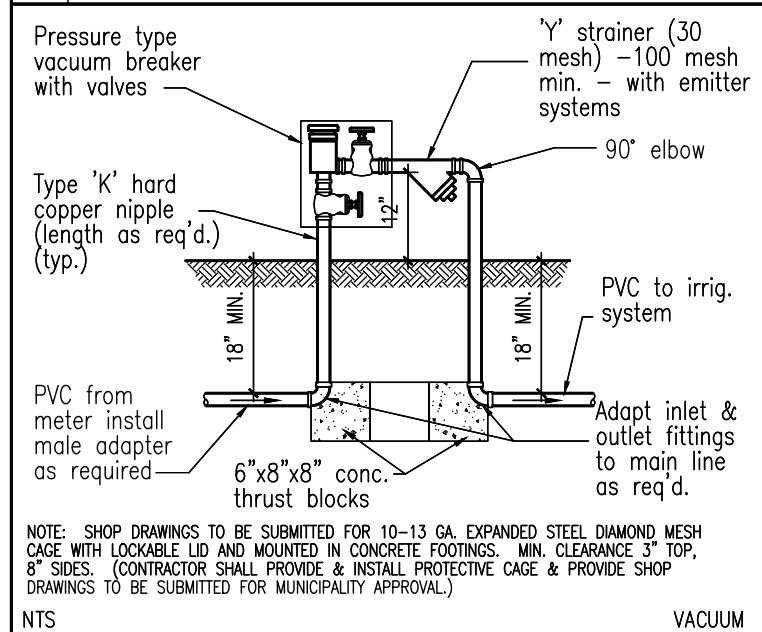
**2 TREE PLANTING**



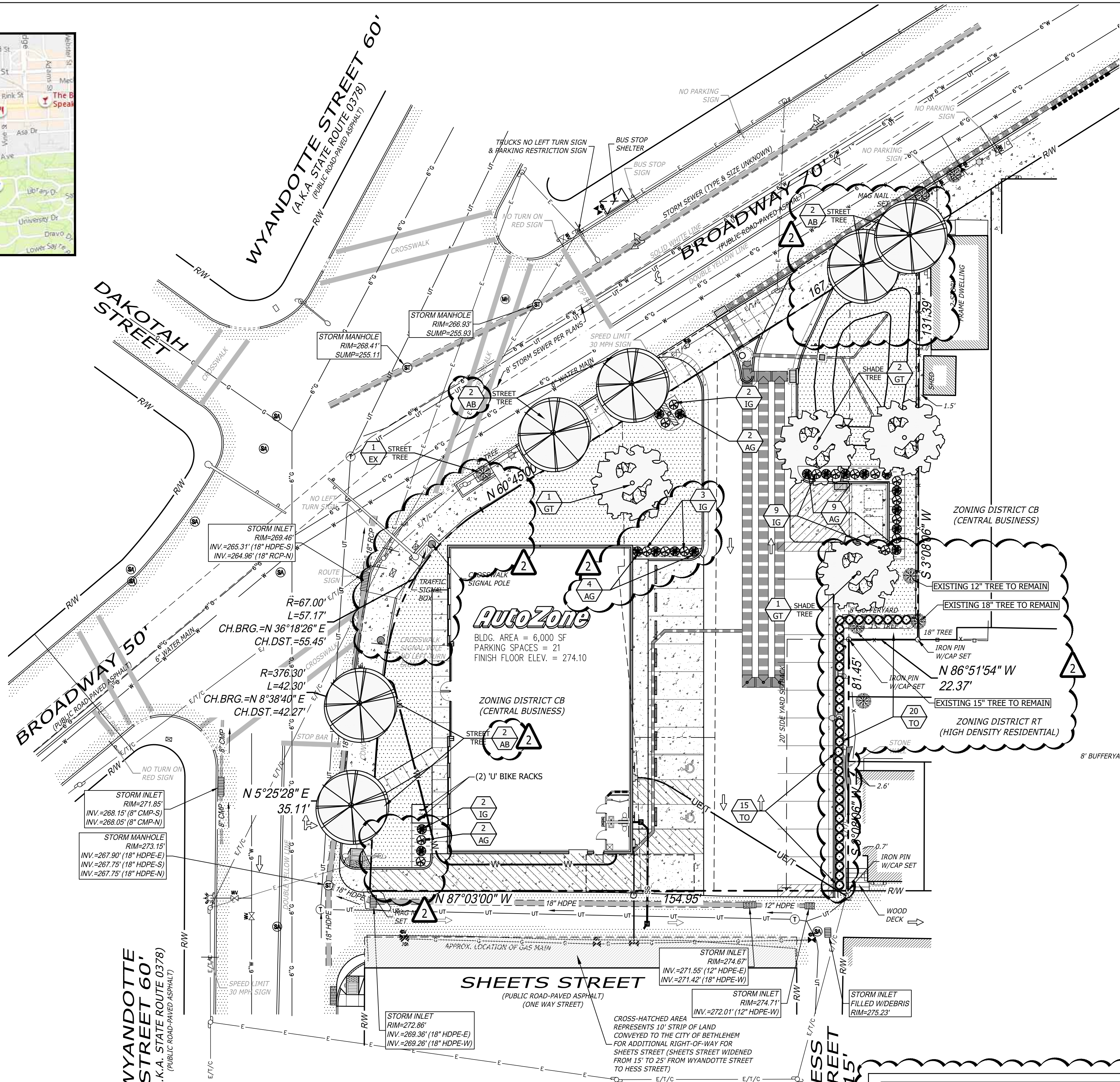
**3 TREE STAKING AND GUYING**



**4 VALVE, REGULATOR, & FILTER**



**5 PRESSURE TYPE VACUUM BRKR.**

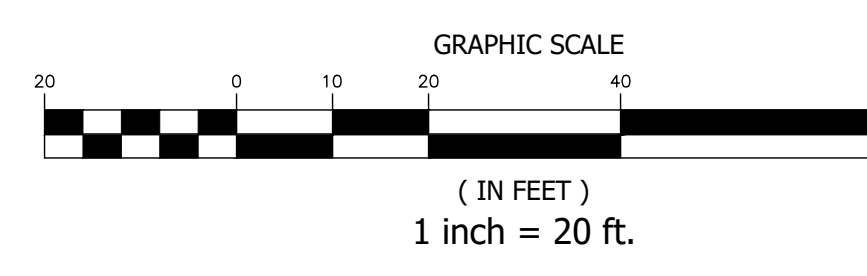


**GENERAL LANDSCAPING NOTES**

- 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.
- TREE PROTECTION BARRICADES MUST BE INSTALLED PRIOR TO ANY DESTRUCTION AND/OR CONSTRUCTION ACTIVITY.
- THE ROOT PROTECTION ZONE SHALL BE 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.
- VIOLATIONS OF TREE PROTECTION REQUIREMENTS ARE SUBJECT TO PENALTY PER CITY ORDINANCE.
- 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.
- ALL PLANT MATERIALS ARE TO CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION, AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
- STREET AND PARKING LOT TREES SHOULD 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.
- ALL LANDSCAPING SHALL CONFORM TO THE CURRENT EDITION OF THE ARBORICULTURAL SPECIFICATIONS AND STANDARDS OF PRACTICE OF THE CITY OF BETHLEHEM.
- A ROOT CONTROL SYSTEM IS REQUIRED WHEN INSTALLING STREET TREES. THE ROOT BARRIER SHALL BE OF THE BIOBARRIER 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 SPREAD OF THE TREE CANOPY AT MATURITY PLUS TEN (10)' FEET.

SERIAL NO.: 2020092063 (DIG)  
SERIAL NO.: 2020092076 (DESIGN)

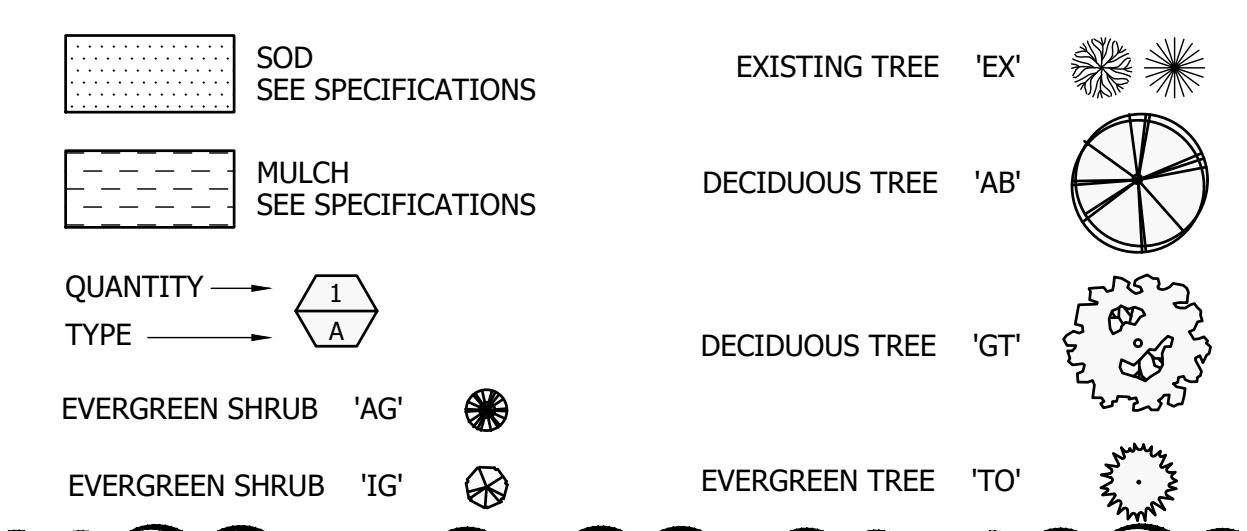
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**1-800-242-1776**



**LANDSCAPE REQUIREMENTS**

DESCRIPTION	REQUIRED	PROVIDED
§ 1318.23 A BUFFER YARD IS REQUIRED IN THE CB DISTRICT ALONG THE DISTRICT BOUNDARIES ADJOINING THE RESIDENTIAL DISTRICT. BUFFER YARD SHALL INCLUDE A DENSE PLANTING OF TREES OR SHRUBS, AT LEAST FOUR (4) FEET IN HEIGHT AT THE TIME OF PLANTING.	YES (15 FT./8 FT./ 2 FT.)	YES (8 FT. & 2 FT.)
§ 1318.23(f)(3) SCREEN PLANTING SHALL BE PLACED SUCH THAT AT MATURITY IT WILL NOT BE CLOSER THAN THREE (3) FEET TO ANY PROPERTY LINE.	YES	NO
§ 1319.02(j)(1) AN AVERAGE OF ONE (1) STREET TREE SHALL BE PLANTED FOR EVERY THIRTY (30) FEET OF STREET FRONTAGE. WYANDOTTE = 42.3' + 57.17' + 35.11' = 134.58' BROADWAY = 167.59' TOTAL STREET FRONTAGE = 302.17 LF 302.17 ÷ 30 = 11 STREET TREES REQUIRED	11	1 EXISTING 6 NEW W/IN R/W 4 NEW OFF-SITE
§ 1319.02(j)(2) OFF-STREET PARKING AREAS WHICH PROVIDE PARKING FOR TWENTY (20) OR MORE VEHICLES SHALL BE PROVIDED WITH SHADE TREES OF A TYPE AND SIZE APPROVED BY THE SHADE TREE COMMISSION. PROVIDE ONE (1) SHADE TREE FOR EVERY FIFTEEN (15) SURFACE PARKING SPACES. 21 SPACES ÷ 15 = 2 TREES REQUIRED	2	2
§ 1319.02(h) IN ANY PARKING AREA OF FIVE (5) OR MORE SPACES ABUTTING A RESIDENTIAL DISTRICT, ALL SPACES SHALL BE PROVIDED WITH EVERGREEN PLANTING AT LEAST FOUR (4) FEET IN HEIGHT AT TIME OF PLANTING.	YES	YES
PROVIDE ONE (1) NEW TREE FOR THE REMOVAL OF ANY EXISTING TREE 8"Ø OR GREATER.	4	4

**LANDSCAPE LEGEND**



**PLANT LIST**

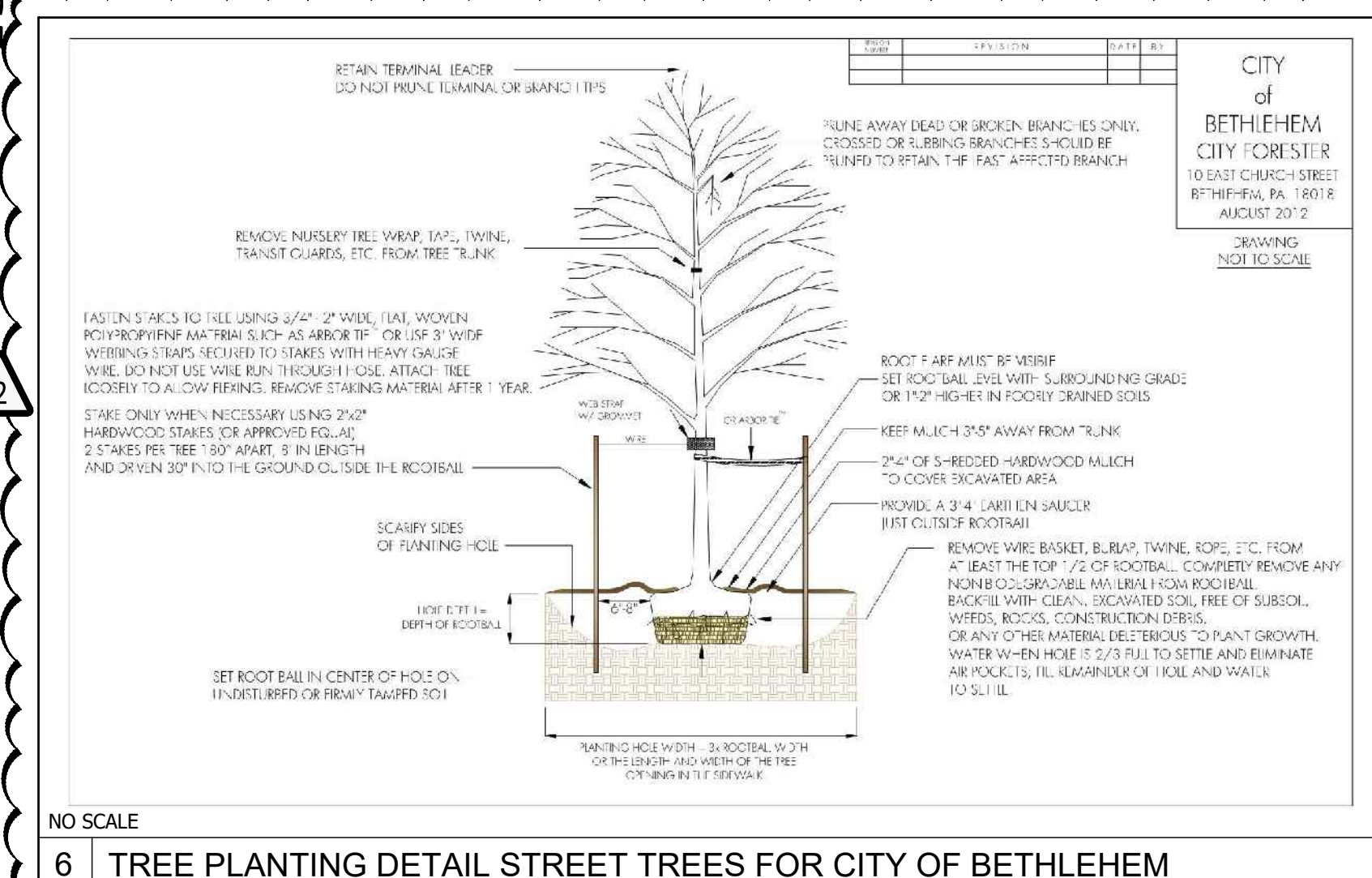
QTY.	KEY	BOTANICAL/Common NAME	MATURE SIZE	ROOT TYPE	REMARKS
6	AB	ACER CAMPESTRE	2 1/2" CAL.	B & B	STREET TREE USE CITY OF BETHLEHEM TREE PLANTING DETAIL THIS SHEET
15	AG	ABELIA GRANDIFLORA	48" MIN. HGT.	B & B	EVERGREEN SCREEN
4	GT	GLEDITSIA TRIACANTHOS	2 1/2" CAL.	B & B	SHADE TREE
14	IG	ILEX GLABRA 'NORDIC'	48" MIN. HGT.	B & B	EVERGREEN SCREEN
35	TO	THUJA OCCIDENTALIS	48" MIN. HGT.	3.6 GAL.	EVERGREEN SCREEN

**GENERAL NOTES**

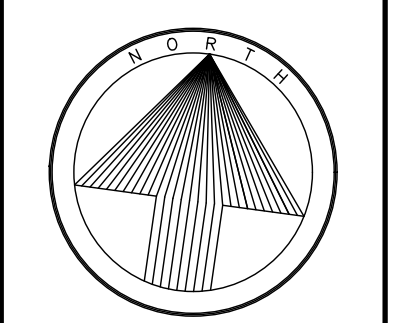
- ALL LANDSCAPE AREAS TO BE GRASS COMMON TO REGION EXCEPT WHERE OTHER PLANT MATERIAL IS CALLED FOR.
- ALL HEAVILY PLANTED AREAS TO RECEIVE AUTOMATIC PERMANENT IRRIGATION. CONTRACTOR TO PROVIDE DESIGN DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
- ALL TREES AND SHRUBS TO BE PLANTED IN MULCH BEDS WITH EDGE STRIPS TO SEPARATE TURF GRASS AREAS.
- GRASS & IRRIGATION TO EXTEND FROM PROPERTY LINES TO BACK OF LOCAL SIDEWALKS AND/OR CURBS.
- INSTALL 1 1/2" DIA. PVC PIPE SLEEVES WHERE IRRIGATION LINES CROSS OR ARE UNDER PAVEMENT.
- FOR ANY LANDSCAPE AREA SO DESIGNATED TO REMAIN WHETHER ON OR OFF SITE, REMOVE WEEDS, ROCKS, CONSTRUCTION ITEMS, ETC., THEN SCARIFY AREA, RESEED, AND FERTILIZE. R.O.W. CURB AND GUTTERS ARE TO BE CLEANED OF DEBRIS.
- FINISHED GRADES IN LANDSCAPE ISLANDS SHALL BE INSTALLED SO THAT THEY ARE 1" LOWER THAN THE TOP OF THE SURROUNDING CURB.
- PROVIDE A WEED MAT FOR ALL PLANTING AREAS.
- FOR ANY TREE LOCATED NEAR A DRIVEWAY, PRUNE LOWER BRANCHES TO PROVIDE A MINIMUM 6'-0" HIGH CLEAR SIGHT LINE FROM GRADE.
- ALL STREET TREES TO BE INSTALLED IN TREE WELLS PER CITY OF BETHLEHEM SPECIFICATIONS.

**GENERAL IRRIGATION NOTES**

- CONTRACTOR TO PROVIDE DESIGN DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
- IRRIGATION TO EXTEND FROM PROPERTY LINES TO BACK OF TOWNSHIP SIDEWALKS AND/OR CURBS.
- INSTALL 1 1/2"Ø PVC PIPE SLEEVES WHERE IRRIGATION LINES CROSS OR ARE UNDER PAVEMENT.
- IRRIGATION SYSTEM SUPPLY LINE TO COME FROM DOMESTIC SERVICE LINE, DOWNSTREAM OF METER.



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COMMONWEALTH OF PENNSYLVANIA

SCALE: 1" = 20'-0"

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2.	04/15/2021	PER CITY COMMENTS
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ARCHITECT: LE  
DRAFTSMAN: CWT  
CHECKED BY: CAD

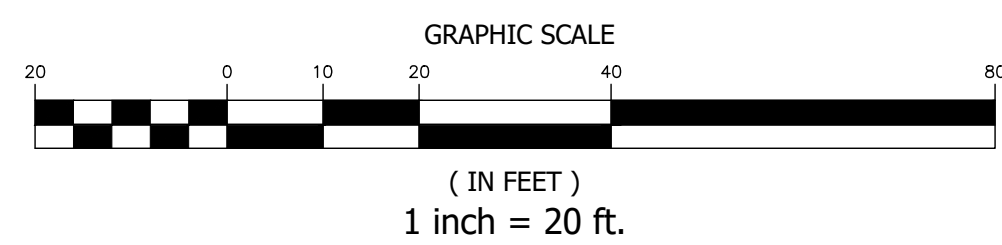
DATE: 10-23-2020  
PROTOTYPE SIZE: 6w2



**L1.0**



SITE LOCATION MAP  
SCALE: 1" = 200'



**GENERAL CONSTRUCTION NOTES**

- ALL CONSTRUCTION SHALL COMPLY WITH LOCAL MUNICIPALITY AND COUNTY CODES AND STANDARDS. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY CONSTRUCTION PERMITS REQUIRED TO PERFORM ALL THE WORK. THE CONTRACTOR SHALL POST ALL BONDS, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
- THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE OWNER IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS SO THAT APPROPRIATE REVISIONS CAN BE MADE PRIOR TO CONSTRUCTION. ANY CONFLICT BETWEEN DRAWINGS AND THE SPECIFICATIONS SHALL BE CONFIRMED WITH THE CONSTRUCTION MANAGER PRIOR TO BIDDING.
- SHOULD ANY UNCHARTED, OR INCORRECTLY CHARTED, EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE ENGINEER AND THE ARCHITECT IMMEDIATELY BEFORE PROCEEDING FURTHER WITH THE WORK IN THIS AREA.
- DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER, LOCAL MUNICIPALITY AND/OR UTILITY COMPANY. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY OR PERMANENT SERVICE HAS BEEN PROVIDED.
- THE CONTRACTOR SHALL ABIDE BY ALL OSHA, FEDERAL, STATE AND LOCAL REGULATIONS WHEN OPERATING CRANES, BOOMS, HOISTS, ETC. IN CLOSE PROXIMITY TO OVERHEAD ELECTRIC LINES. IF CONTRACTOR MUST OPERATE EQUIPMENT CLOSE TO ELECTRIC LINES, CONTACT THE POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS.
- THE CONTRACTOR SHALL RESTORE ANY STRUCTURES, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS, ETC. WITHIN THE SITE OR ADJOINING PROPERTIES DISTURBED DURING DEMOLITION OR CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AND TO THE SATISFACTION OF THE OWNER AND LOCAL MUNICIPALITY. ALL COSTS TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE BASE BID FOR THIS PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF PEDESTRIANS AND VEHICLES CONSISTING OF DRUMS, BARRIERS, SIGNS, LIGHTS, FENCES AND UNIFORM TRAFFIC CONTROLLERS IN ACCORDANCE WITH THE STATE DEPARTMENT OF TRANSPORTATION OR AS REQUIRED OR DIRECTED BY THE SITE ENGINEER OR CONSTRUCTION MANAGER OR LOCAL GOVERNING AUTHORITIES. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC LANES AND PEDESTRIAN WALKWAYS AT ALL TIMES UNLESS WRITTEN APPROVAL FROM THE DEPARTMENT OF TRANSPORTATION, LOCAL MUNICIPALITY, COUNTY, OR OTHER GOVERNING AUTHORITY IS RECEIVED.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER SHOULD ANY DISCREPANCY REGARDING THE PROPOSED WORK OR UNFORESEEN CONDITIONS ARISE PRIOR TO PROCEEDING FURTHER WITH THE AFFECTED WORK.
- THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER AND THE ARCHITECT FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES.
- REFER TO DETAIL SHEETS FOR EROSION AND SEDIMENT CONTROL, STORM DRAINAGE, UTILITY, PAVING, CURBING, SIGNAGE, AND RETAINING WALL DETAILS AS APPLICABLE.
- PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH DEPARTMENT OF TRANSPORTATION GUIDELINES AND SHALL BE EITHER COLD LAID THERMOPLASTIC TAPE OR PAINTED AS DESIGNATED ON THE PLANS OR PAVEMENT MARKING DETAILS.
- SITE DIMENSIONS ARE REFERENCED TO THE FACE OF CURBS OR EDGE OF PAVING UNLESS OTHERWISE NOTED. ALL BUILDING DIMENSIONS ARE REFERENCED TO THE OUTSIDE FACE OF THE STRUCTURE UNLESS OTHERWISE NOTED.
- ALL PAVING MATERIALS FURNISHED AND WORK COMPLETED SHALL BE IN STRICT ACCORDANCE WITH THE STATE DEPARTMENT OF TRANSPORTATION GUIDELINES UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL RUBBISH, TRASH, DEBRIS, AND ORGANIC MATERIAL IN A LAWFUL MANNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS FOR BUILDING, WALLS, CONCRETE SLABS, AND UTILITY SERVICE POINT CONNECTIONS AND NOTIFYING THE OWNER AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REFERENCE BUILDING CONSTRUCTION PLANS FOR EXACT LOCATIONS OF ALL UTILITY CONNECTIONS TO BUILDINGS AND DOOR STEP LOCATIONS.
- PIPE BOLLARDS SHALL BE INSTALLED IN TRAFFIC AND LOADING AREAS AS REQUIRED TO PROTECT BUILDING RECEIVING AREAS, HYDRANTS, TRANSFORMERS, METERS, GENERATORS, COMPACTORS, STEPS, AND RAILINGS, AS NECESSARY.
- THE OWNER, AT THEIR DISCRETION, RESERVES THE RIGHT TO MODIFY THE DETAILS AND STANDARDS OF CONSTRUCTION FOR ALL PRIVATE UTILITIES FROM THAT INDICATED ON THE APPROVED PLAN, PROVIDED THAT THE ALTERNATE STANDARD COMPLIES WITH LOCAL CODE AND/OR UTILITY COMPANY REQUIREMENTS AND THE GENERAL DESIGN INTENT OF THE PROJECT IS NOT COMPROMISED.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS, MATERIALS AND PLAN SPECIFICATIONS TO THE OWNER AS REQUIRED FOR REVIEW AND APPROVAL, PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
- THE CONTRACTOR SHALL REFERENCE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS AND CONSTRUCTION DETAILS OF THE BUILDING, ROOF DRAINS, AND CONCRETE SIDEWALKS.
- TRAFFIC CONTROL SIGNAGE SHALL CONFORM TO THE STATE DEPARTMENT OF TRANSPORTATION STANDARD DETAIL SHEETS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. SIGNS SHALL BE INSTALLED PLUMB.
- INFORMATION ON EXISTING UTILITIES HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY AND MUNICIPAL RECORD MAPS AND FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE PA ONE CALL SYSTEM WITHIN THREE (3) WORKING DAYS BEFORE COMMENCEMENT OF WORK AT 1-800-242-1776 AND VERIFY ALL LOCATIONS.
- NO PART OF THE LOT IS LOCATED WITHIN ANY FLOODPLAIN AREAS.
- FIRE LANES SHALL BE ESTABLISHED AND PROPERLY DESIGNATED IN ACCORDANCE WITH THE LOCAL MUNICIPALITY AND LOCAL FIRE DEPARTMENT REQUIREMENTS.

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Mounting	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
A		7	Lithonia Lighting	DSXW1 LED WITH 1 LIGHT ENGINE, 10 LED's, 1000mA DRIVER, 4000K LED, TYPE 3 MEDIUM OPTIC	LED	Bldg. 12'-0" AFF	DSXW1_LED_100_1000_40K_T3M_MVOLT.lvs		3043	0.95	40
B		2	Lithonia Lighting	DSX1 LED WITH (2) 30 LED LIGHT ENGINES, TYPE 4M OPTIC, 4000K, @ 1000mA WITH HOUSE SIDE SHIELD	LED	Pole 20'-0" AFG	DSX1_LED_6_100_1000_40K_T4M_MVOLT_HS.lvs		12006	0.95	200

Statistics	Symbol	Avg	Max	Min	Max/Min	Avg/Min	Avg/Max	Min/Max	Min/Avg	Max/Avg
IMPERVIOUS	X	2.1 fc	5.1 fc	0 fc	12.8:1	5.3:1	0.4:1	0.08	0.19	2.43
SITE	X	1.7 fc	5.1 fc	0.1 fc	51.0:1	17.0:1	0.3:1	0.02	0.06	3.00

### D-Series Size 1 LED Wall Luminaire

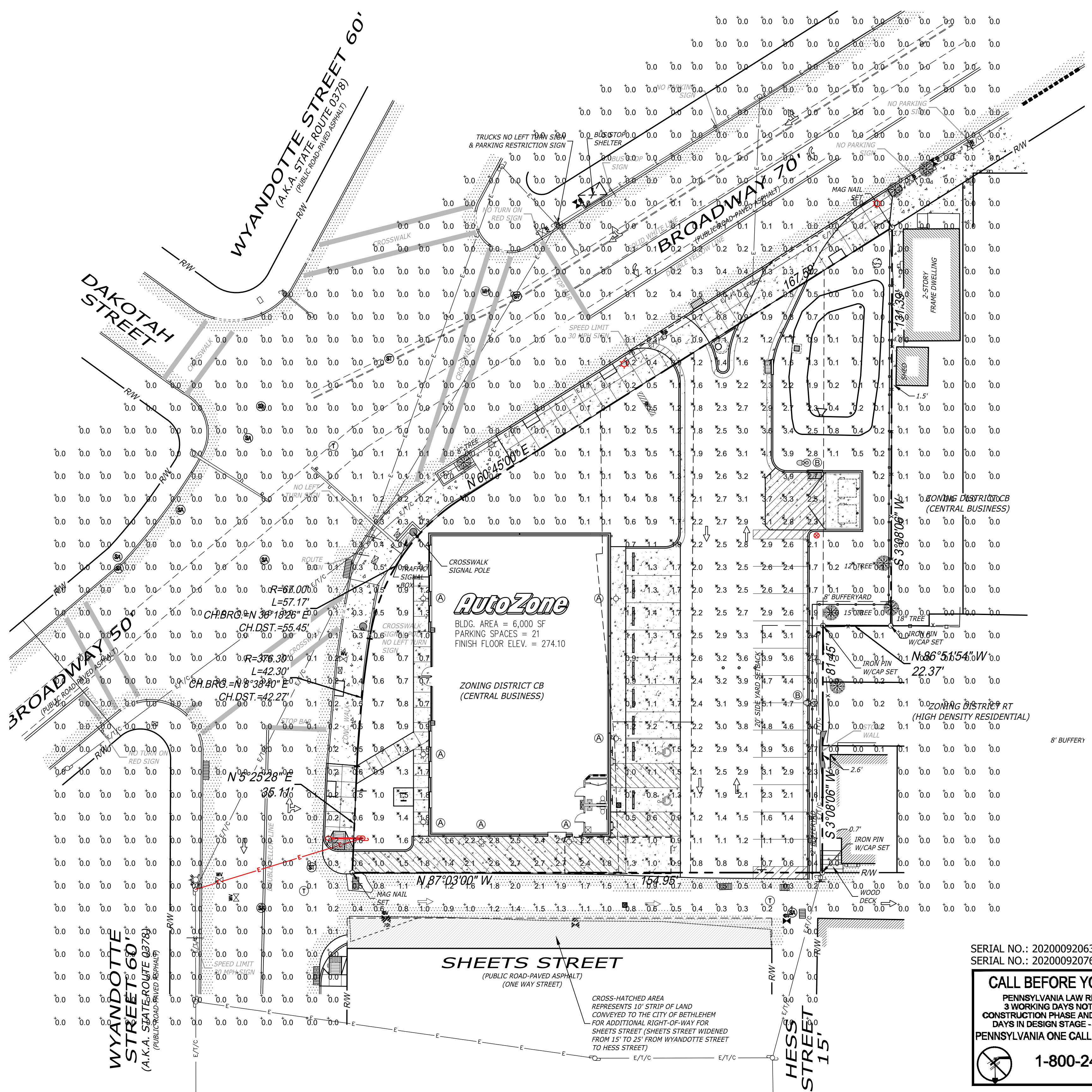
**Specifications Luminaire**  
Width: 13.31" (338mm) | Depth: 1.7" (43mm) | Height: 6.31" (160mm)

**Back Box (BBW, ELCW)**  
Width: 3.31" (84mm) | Depth: 4" (102mm) | Height: 6.31" (160mm)

**Ordering Information**  
EXAMPLE: DSXW1 LED 200 1000 40K T3M MVOLT DB08T0

Series	Performance Package	Ballastless	Voltage	Mounting	Control System	Other Options	Finish
DSXW1 LED	40K	1000	120V	Flush Mount	0-10V Dimming	None	White

**Accessories**  
DSXW1 LED 200 1000 40K T3M MVOLT DB08T0  
DSXW1 LED 200 1000 40K T3M MVOLT DB08T0



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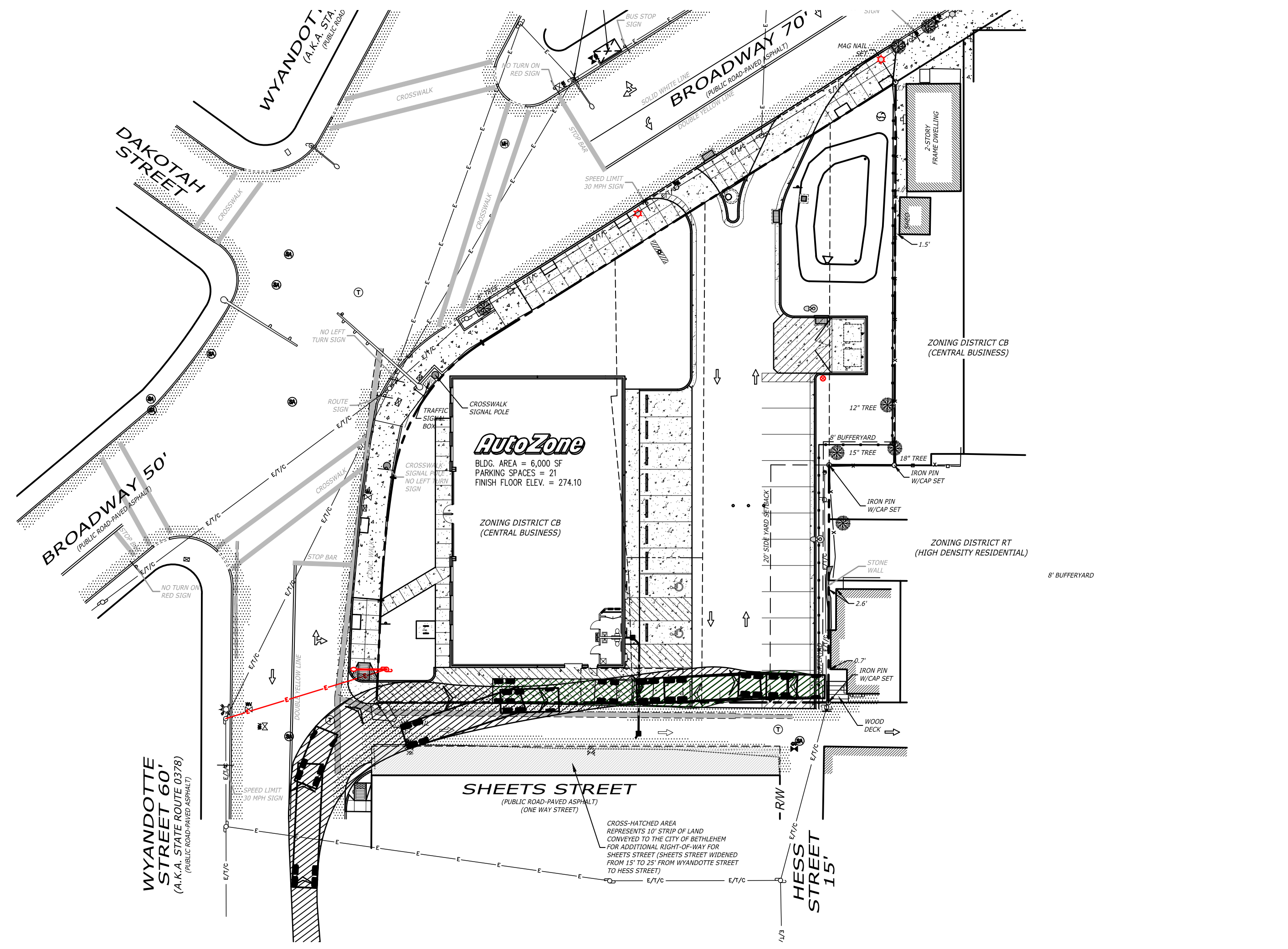
PHOTOMETRIC PLAN

SCALE: 1" = 20'-0"

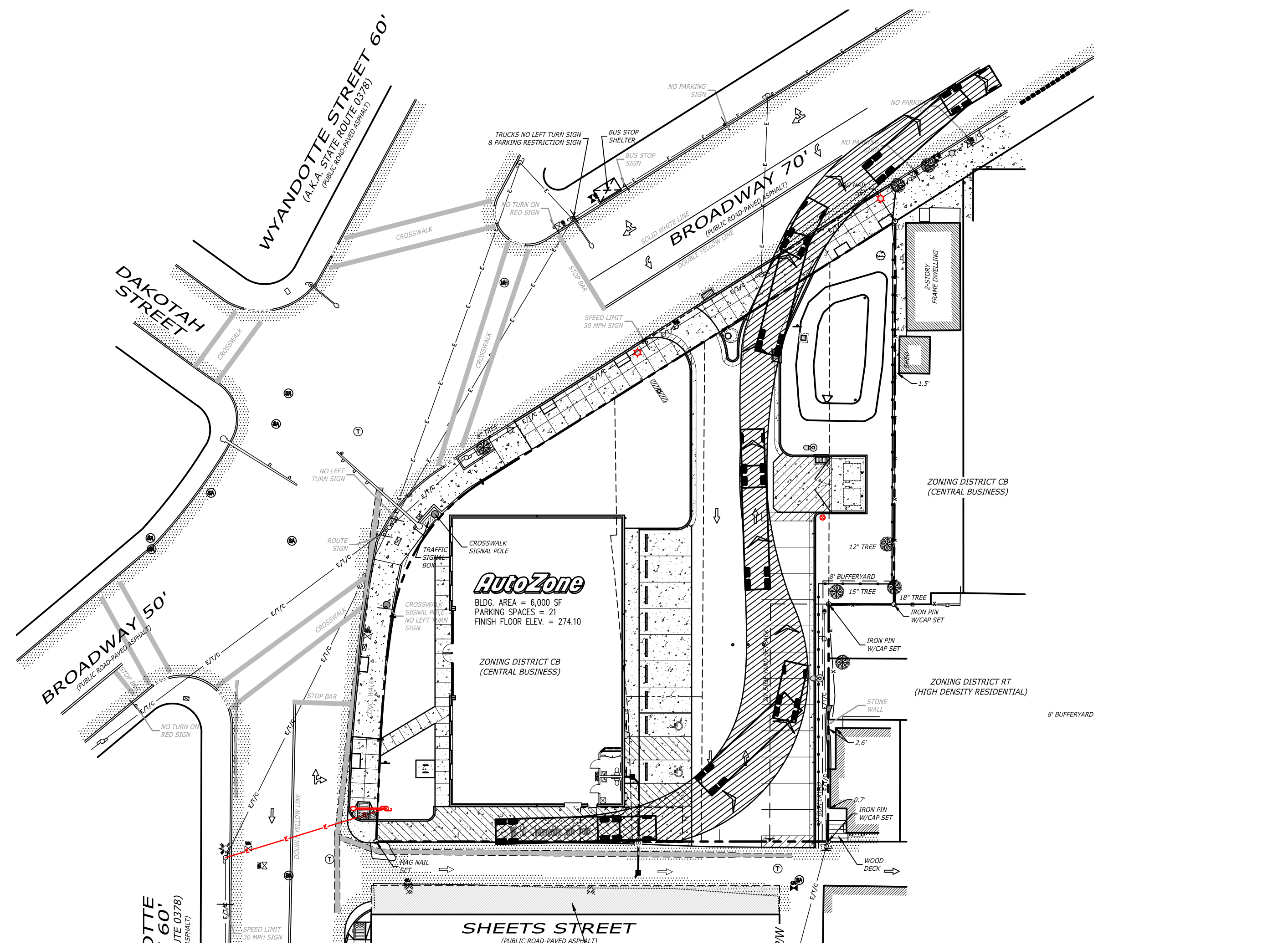
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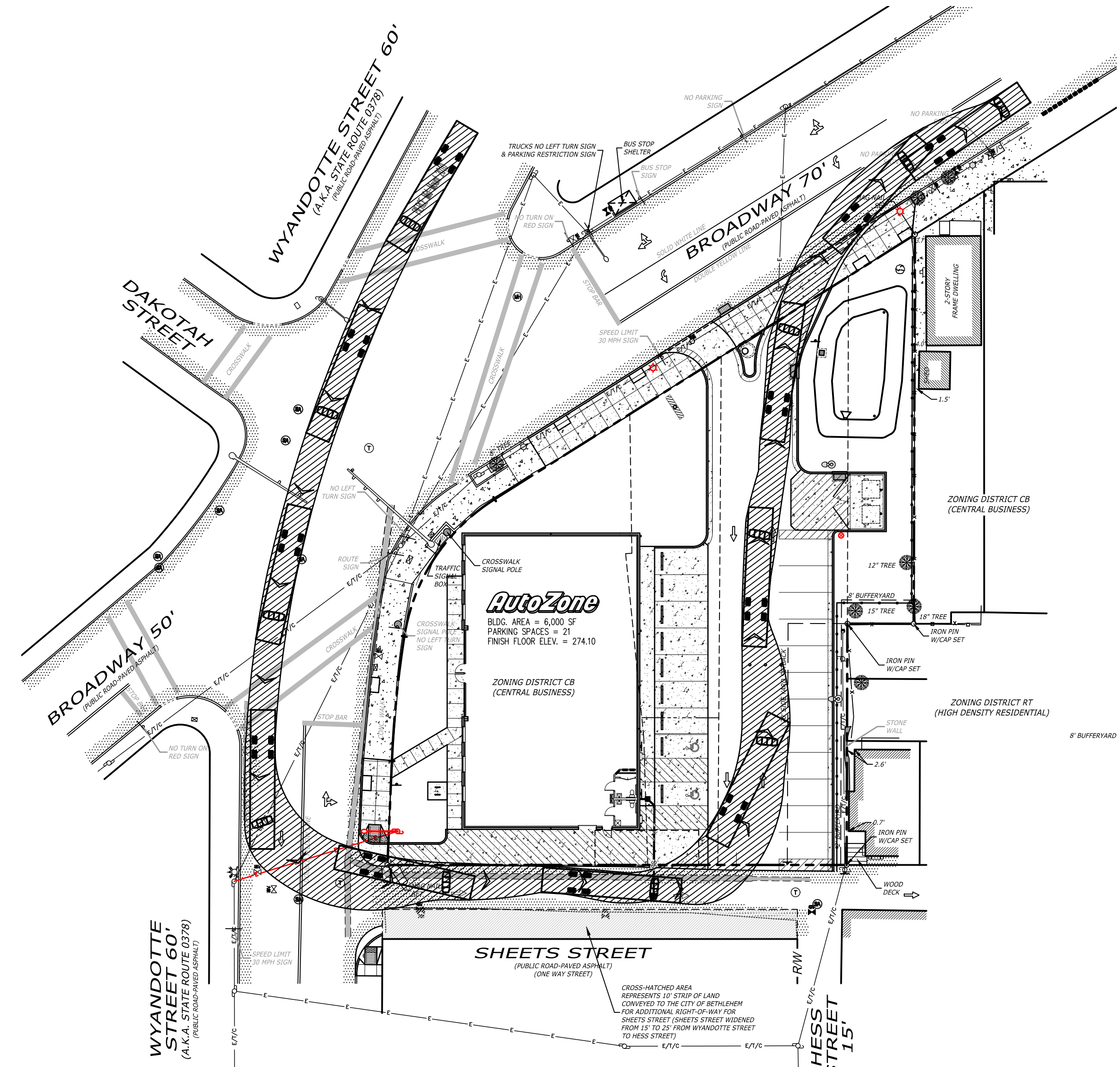
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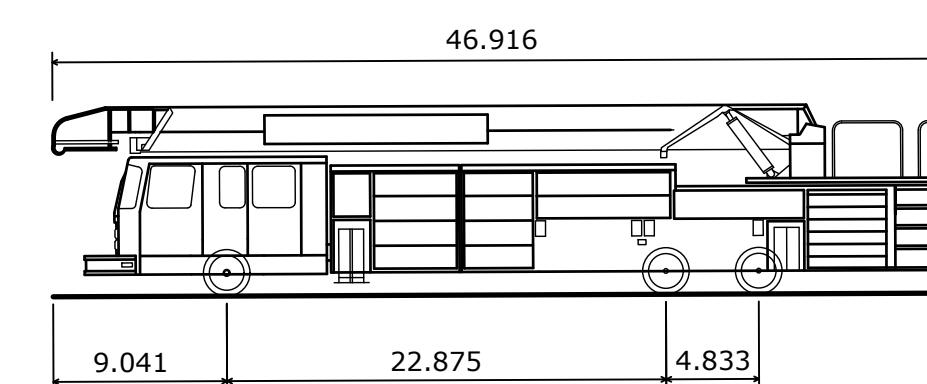
1 WB-50 TRUCK ENTRY- WYANDOTTE STREET TO SHEETS STREET



2 WB-50 TRUCK EXIT - BROADWAY (EASTBOUND)

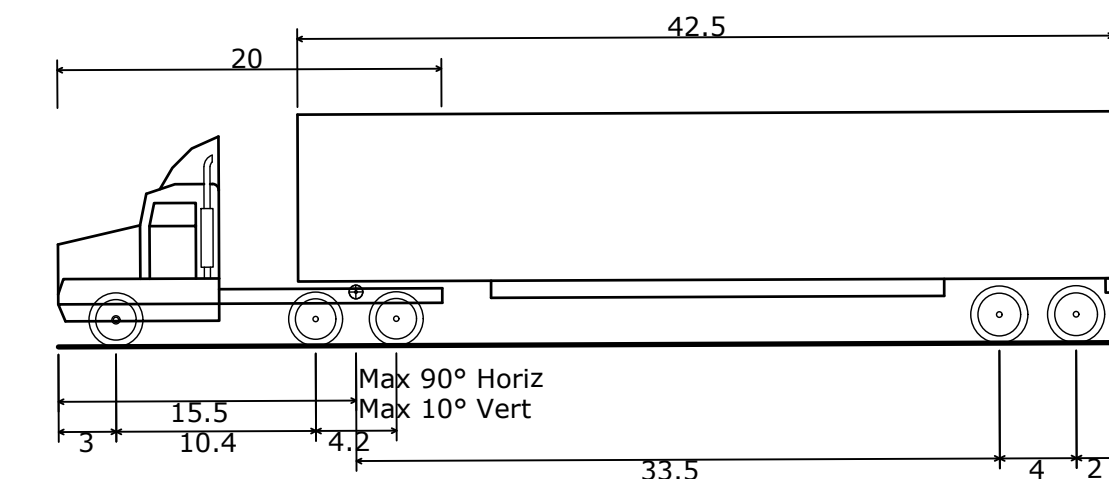


3 FIRE TRUCK ENTER & EXIT



PIERCE Mid-Mount 2010  
 Overall Length 46.916ft  
 Overall Width 8.250ft  
 Overall Body Height 9.851ft  
 Min Body Ground Clearance 0.671ft  
 Track Width 6.910ft  
 Lock-to-lock time 6.00s  
 Curb to Curb Turning Radius 38.750ft

FIRE TRUCK TURNING SPECIFICATIONS



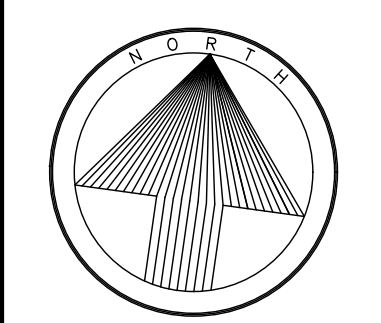
WB-50 - Intermediate Semi-Trailer  
 Overall Length 55.000ft  
 Overall Width 8.500ft  
 Overall Body Height 12.052ft  
 Min Body Ground Clearance 1.334ft  
 Max Track Width 8.500ft  
 Lock-to-lock time 6.00s  
 Max Steering Angle (Virtual) 17.90°

WB-50 TRUCK TURNING SPECIFICATIONS

4 TRUCK TURNING PROFILES

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Owner / Developer:  
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 501 WYANDOTTE STREET  
 CITY OF BETHLEHEM, COUNTY OF NORTHAMPTON  
 COMMONWEALTH OF PENNSYLVANIA

TRUCK TURNING PLAN

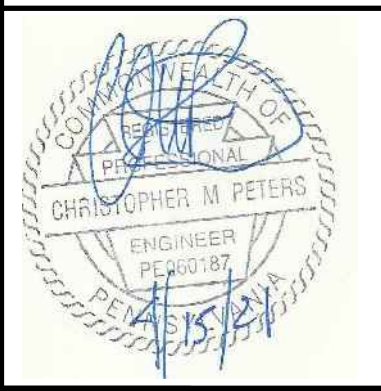
SCALE: AS SHOWN

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 CHECKED BY: CAD

DATE: 10-23-2020  
 PROTOTYPE SIZE: 6w2



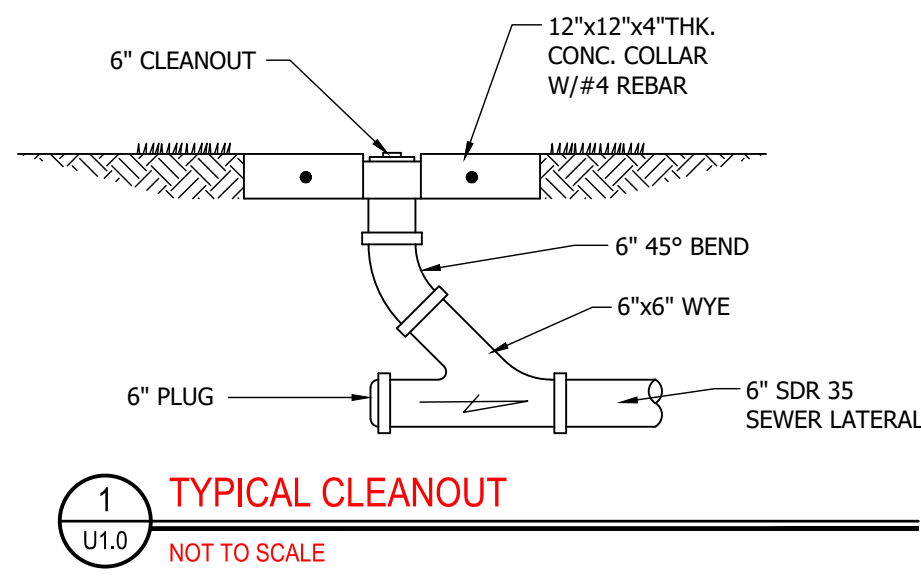
**TR1.0**

NOT TO SCALE



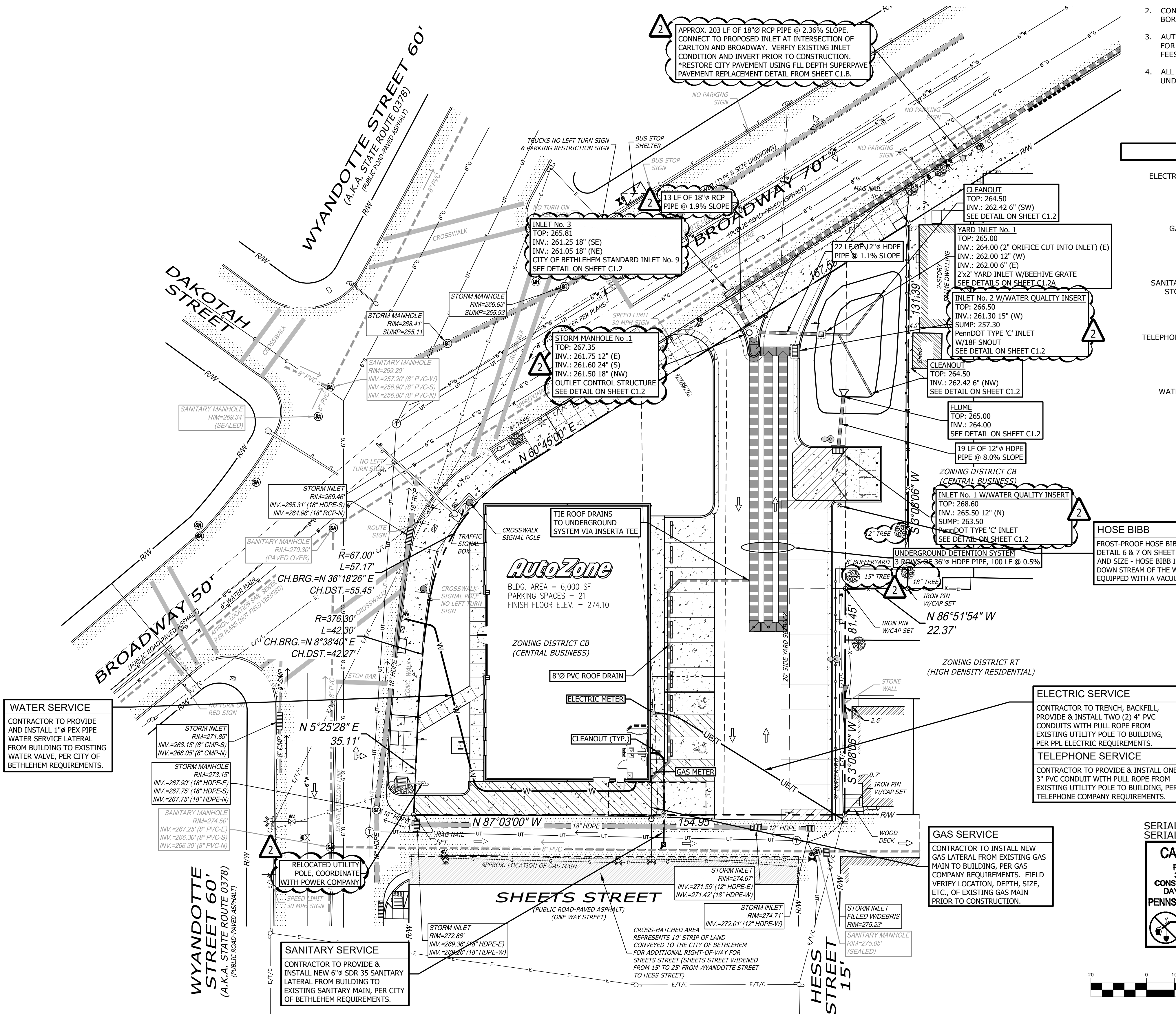


**SITE LOCATION MAP**  
SCALE: 1" = 2,000'



**GENERAL UTILITY NOTES**

- CONTRACTOR SHALL CONTACT RESPECTIVE UTILITY COMPANIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES, TO COORDINATE REQUIREMENTS TO ENSURE TIMELY SERVICE INSTALLATION.
- PROPER COORDINATION WITH THE RESPECTIVE UTILITY COMPANIES SHALL BE PERFORMED BY THE CONTRACTOR TO INSURE THAT ALL UTILITY COMPANY, LOCAL MUNICIPALITY, AND LOCAL COUNTY STANDARDS FOR MATERIALS AND CONSTRUCTION METHODS ARE MET.
- THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND LOCATION OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING ANY EXCAVATION. TEST PITS SHALL BE DUG AT ALL LOCATIONS WHERE SEWERS CROSS EXISTING UTILITIES, AND THE HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES SHALL BE DETERMINED. THE CONTRACTOR SHALL CONTACT THE OWNER IN THE EVENT OF ANY UNFORESEEN CONFLICTS BETWEEN EXISTING AND PROPOSED UTILITIES SO THAT AN APPROPRIATE MODIFICATION MAY BE MADE.
- THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES FOR SERVICE INSTALLATIONS AND CONNECTIONS AND MAIN AND SERVICE RELOCATIONS. THE CONTRACTOR SHALL COORDINATE THE WORK TO BE PERFORMED BY THE VARIOUS UTILITY COMPANIES AND SHALL SECURE ALL PERMITS AND PAY ALL FEES FOR CONNECTIONS, DISCONNECTIONS, RELOCATIONS, INSPECTIONS, AND DEMOLITION, AS NECESSARY.
- THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS, ETC. WITHOUT INTERRUPTION UNLESS/UNTIL AUTHORIZED TO DISCONNECT BY THE OWNER, UTILITY COMPANIES, AND GOVERNING AUTHORITIES. THE CONTRACTOR SHALL INSTALL AS NECESSARY, TEMPORARY SITE LIGHTING, GAS, SANITARY, WATER, STORM, ELECTRIC, TELEPHONE, AND CABLE SERVICES TO SERVICE BUILDING(S) TO REMAIN OPEN.
- ALL EXISTING PAVEMENT WHERE UTILITY PIPING IS TO BE INSTALLED SHALL BE SAW CUT AND REPLACED IN ACCORDANCE WITH THE PAVEMENT REPAIR REQUIREMENTS OF LOCAL MUNICIPALITY AND THE DETAILS CONTAINED HEREIN.
- ALL WATER MAINS, WATER SERVICES AND SANITARY SEWER LATERALS SHALL CONFORM TO THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, APPLICABLE COUNTY AND LOCAL DEPARTMENTS, AND APPROPRIATE UTILITY COMPANY SPECIFICATIONS.
- ALL PIPES SHALL BE LAID ON STRAIGHT ALIGNMENTS AND EVEN GRADES USING A PIPE LASER OR OTHER ACCURATE METHOD.
- TEST PITS SHALL BE SHOWN AT ALL UTILITY CROSSINGS AND AT THE POINTS OF CONNECTION TO EXISTING WATER MAINS. AT LEAST 10 DAYS PRIOR TO CONSTRUCTION ACTIVITY THE CONTRACTOR MUST OBTAIN THE TEST PIT DATA AND COORDINATE WITH THE INSPECTOR. IF THE TEST RESULTS SHOW A POTENTIAL CONFLICT OR NON-COMPLIANCE WITH THE APPROVED PLAN, REVISIONS TO THE PLANS MUST BE SUBMITTED FOR APPROVAL. IN SUCH INSTANCES, NO WORK SHALL COMMENCE UNTIL CONFLICTS ARE RESOLVED AND REVISIONS APPROVED.
- RELOCATION OF ANY UTILITY COMPANY FACILITIES TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANY AND LOCAL MUNICIPALITY.
- THE CONTRACTOR SHALL COMPACT PIPE BACKFILL IN MAX. 8" LOOSE LIFTS TO 95% OF THE MAXIMUM DRY DENSITY PER ASTM D1557, ACCORDING TO THE PIPE BEDDING DETAILS. TRENCH BOTTOM SHALL BE STABLE IN HIGH GROUNDWATER AREAS. A PIPE FOUNDATION SHALL BE USED IN AREAS OF ROCK EXCAVATION.
- CONTRACTOR TO PROVIDE SLEEVES UNDER FOOTINGS OR THROUGH FOUNDATIONS FOR UTILITY CONNECTIONS.
- CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC. AS REQUIRED FOR PIPE CONNECTIONS TO BUILDING/CANOPY STUB-OUTS, INCLUDING ROOF/FOOTING DRAIN CONNECTIONS TO ROOF LEADERS AND TO STORM DRAINAGE SYSTEM.
- UTILITY CONDUIT PIPE SHALL BE SCHEDULE 80 PVC AND/OR AS REQUIRED BY THE LOCAL UTILITY COMPANY. SERVICES MAY BE INSTALLED IN A COMMON TRENCH WITH 12" CLEAR SPACE BETWEEN SERVICES. MINIMUM COVER SHALL BE 36" ON ELECTRIC CONDUITS AND 24" ON TELEPHONE AND CABLE CONDUITS. SERVICES SHALL BE MARKED WITH MAGNETIC LOCATOR TAPES. GALVANIZED STEEL ELECTRICAL CONDUIT SHALL BE USED AT POLE AND TRANSFORMER LOCATIONS. INSTALL HAND HOLES AS REQUIRED.
- ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION PRIOR TO APPROVAL FOR BACKFILL, IN ACCORDANCE WITH THE APPROPRIATE UTILITY COMPANY, LOCAL MUNICIPALITY, AND/OR LOCAL COUNTY REQUIREMENTS.
- MANHOLE RIMS AND STORM INLETS SHALL BE SET TO ELEVATIONS SHOWN. ADJUST ALL EXISTING MANHOLE FRAMES AND COVERS, STORM INLET GRATES, VALVE BOXES, ETC., TO BE RAISED OR LOWERED, TO PROPOSED FINISHED GRADE, FLUSH WITH THE ADJACENT GRADE.
- THE CONTRACTOR SHALL RESTORE ANY STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS, ETC. DISTURBED DURING CONSTRUCTION TO THE ORIGINAL CONDITION OR BETTER.
- UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL SANITARY SEWER PIPING SHALL BE PER POLY PIPE AND RIDGE (PVC) PIPE AND FITTINGS ASTM D3034, TYPE BSM WITH A MAXIMUM SDR OF 35, WITH FLEXIBLE ELASTOMERIC SEAL JOINTS, ASTM D3212.
- ALL SANITARY SEWER PIPING SHALL HAVE A MINIMUM OF 6" OF COARSE AGGREGATE BEDDING.
- THE CONTRACTOR SHALL CONTACT THE LOCAL COUNTY HEALTH DEPARTMENT AND FILE AND OBTAIN A PLUMBING PERMIT FOR THE WORK INDICATED HEREON AND COMPLIANCE WITH THE LOCAL COUNTY PLUMBING CODE.
- OBTAIN REQUIRED SANITARY SEWER CONNECTION PERMIT AND PAY ALL CONNECTION AND TAPPING FEES BEFORE CONNECTING ANY NEW SEWER LINE TO THE AUTHORITY'S SEWER LINES (FEES TO BE PAID BY OWNER).
- WATER LINE AFTER WATER METER SHALL BE ENCASED IN 4" SCH. 40 PVC CONDUIT UNDER ALL CONCRETE OR ASPHALT SURFACES AND TO 1" ABOVE FINISHED FLOOR.
- THE CONTRACTOR SHALL BE ADVISED THAT ALL EXCAVATION IS CONSIDERED UNCLASSIFIED AND THAT IT SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, AND MATERIALS OF CONSTRUCTION TO COMPLETE CONSTRUCTION AS DESIGNED.
- ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OFF-SITE DISPOSAL OF ANY AND ALL EXCESS OR UNSUITABLE MATERIAL UNABLE TO BE PLACED ON SITE AND THE IMPORTATION OF ANY BORROW MATERIAL NECESSARY TO COMPLETE THE JOB.
- COORDINATE INSTALLATION OF LOT LIGHTS, TREES, SIGNS, ETC., WITH PROPOSED UNDERGROUND UTILITIES. CONTACT OWNER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.



**UTILITY LEGEND**

	EXISTING POWER POLE
	NEW GAS METER
	NEW ELECTRIC METER
	NEW WATER SERVICE
	NEW GAS SERVICE
	NEW SANITARY SEWER
	NEW SANITARY SEWER CLEANOUT
	NEW UNDERGROUND ELECTRIC AND TELEPHONE SERVICE
	NEW STORM SEWER

- NOTES:**
- CONTRACTOR TO BE RESPONSIBLE FOR VERIFYING UTILITY SERVICE WITH EACH UTILITY COMPANY.
  - CONTRACTOR TO BE RESPONSIBLE FOR STREET BORE, IF REQUIRED BY LOCAL AUTHORITY.
  - AUTOZONE TO REIMBURSE GENERAL CONTRACTOR FOR ALL SANITARY SEWER, GAS, AND WATER TAP FEES.
  - ALL NEW UTILITIES TO BE INSTALLED UNDERGROUND.

**UTILITY CONTACTS**

ELECTRIC SERVICE -	PPL ELECTRIC 503 NEW MARKET STREET WILKES BARRE, PA 18702 877-220-6016	CONTACT: MR. MARK SANTAYANA
GAS SERVICE -	UGI LANCASTER 2121 CITY LINE ROAD BETHLEHEM, PA 18017 610-865-7063	CONTACT: TAREK SAYEGH
SANITARY SEWER & STORMWATER -	CITY OF BETHLEHEM 10 EAST CHURCH STREET BETHLEHEM, PA 18018 610-865-7063	CONTACT: MR. PETER KOSTYK
TELEPHONE SERVICE -	VERIZON 877-246-9977	CONTACT:
WATER SERVICE -	CITY OF BETHLEHEM 10 EAST CHURCH STREET BETHLEHEM, PA 18018 610-997-7947	CONTACT: MR. ROBERT TAYLOR

Owner / Developer: **AZ Bethlehem, LLC**  
P.O. BOX 1908  
MEDIA, PA 19063

PREPARED FOR: **AutoZone**  
Store No.: 1400  
501 WYANDOTTE STREET  
CITY OF BETHLEHEM, COUNTY OF NORTHAMPTON  
COMMONWEALTH OF PENNSYLVANIA

**SITE UTILITY PLAN**

SCALE: 1" = 20'-0"

**REVISIONS**

02/24/2021	1. PER CITY COMMENTS
04/15/2021	2. PER CITY COMMENTS
3.	
4.	
5.	
6.	
7.	

ARCHITECT: LE  
DRAFTSMAN: CWT  
CHECKED BY: CAD  
DATE: 10-23-2020  
PROTOTYPE SIZE: 6w2

**CALL BEFORE YOU DIG!**  
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL PENNSYLVANIA ONE CALL SYSTEM, INC.  
1-800-242-1776

GRAPHIC SCALE  
0 10 20 30 40 50  
( IN FEET )  
1 inch = 20 ft.

**U1.0**