



**H.F. LENZ
COMPANY**

Engineering

549 North Mine Road
Lebanon, PA 17042
Phone: 717-461-3916

March 5, 2021

HAND DELIVERED

Ms. Elizabeth Logan, ACIP
Director of Community and Economic Development
Susquehanna Township
1900 Linglestown Road
Harrisburg, PA 17110

Subject: Susquehanna Union Green
Final Minor Land Development Plan – Phase IIB
HFL File No. 2021-0050.01

Dear Ms. Logan:

On behalf of the owner and developer, we are requesting to be placed on the March 22, 2021 Planning Commission Agenda for review of the above referenced project. Specifically, the project identified as Phase IIB of Susquehanna Union Green encompasses the development of two buildings with a combined footprint of 15,000 square feet located on a lot totaling 0.79 acres. As a result, pursuant to Chapter 22-403 of the Susquehanna Subdivision and Land Development Ordinance, we are requesting that the plan be considered a Minor Land Development. As such, enclosed for your final approval please find the following:

- Check in the amount of \$500.00 payable to Susquehanna Township (submitted under separate cover)
- Check in the amount of \$2,000.00 payable to Susquehanna Township (submitted under separate cover)
- Check in the amount of \$250.00 payable to Dauphin County Planning Commission (submitted under separate cover)
- One copy of the completed Susquehanna Township Subdivision and Land Development Application
- One copy of the completed Dauphin County Planning Commission Application for Plan Review
- Four (4) full size copies of the Final Minor Land Development Plans – Phase IIB
- Letters of Availability or Intent to Serve from applicable utility providers
- NPDES Permit
- PADEP Sewage Facilities Planning - Act 537 Plan Revision Approval
- Parking Calculation



H.F. LENZ
COMPANY

Ms. Elizabeth Logan, ACIP
March 5, 2021
Page 2

Should you have any questions or require additional information, please feel free to contact this office.

Sincerely,

H.F. LENZ CO.

Bryan J. Clement, P.E.
Senior Associate, Project Engineer

\\HFLCO.LOCAL\MAINSHARE\PROJECTS\2021\210000\210050X01\LETTERS\SUSQUHANNA TOWNSHIP\E LOGAN\SENT\21_0215 BJC
FINAL LDP PH2B.DOCX

Enclosures

cc: Catherine Wilsbach – Vartan Group
Luke Gindlesperger – H.F. Lenz Company

**SUSQUEHANNA TOWNSHIP
1900 LINGLESTOWN ROAD HARRISBURG PA 17110**

SUBDIVISION AND LAND DEVELOPMENT APPLICATION

Plan Name: _____

Plan Location: _____

Residential Subdivision

Land Development Plan

Number of Lots: _____

Zoning Classification: _____

Type of Application: Preliminary

Final (Minor)

Review Fee: Susquehanna Township: _____ Dauphin County: _____

Availability of Utilities:

Name of Water Company: _____

Name of Electric Company: _____

Sewage – Please attach letter from Sewer Authority

Name of Developer: _____

Address: _____

_____ Phone: _____

Name of Landowner: _____

Address: _____

_____ Phone: _____

Name of Engineer or Surveyor: _____

Address: _____

_____ Phone: _____

The undersigned represents that to the best of his knowledge and belief all of the above statements are true, correct, and complete.

Date: _____

Signature of Owner or Applicant: *Dwayne J. Clement*

NOTE:

The Planning Commission will accept a maximum of two, ninety day time extensions. Failure to complete a plan within this time period may result in the Planning Commission recommending disapproval of the plan.

Dauphin County Planning Commission

Application for Plan Review

Please complete entire form before submission

Municipality				Plat Title			
Surveyor				Engineer			
Plan Classification: <input type="checkbox"/> Subdivision <input type="checkbox"/> Land Development <input type="checkbox"/> Combined				<input type="checkbox"/> Preliminary <input type="checkbox"/> Final <input type="checkbox"/> P/F <input type="checkbox"/> Minor			
Owner/Developer				Phone Number			
Address							
Total Tract Area:				Subdivided Area: (Subdivision)			
Building(s) Footprint Sq. Footage (Land Development)				Developed Area: (Land Development)			
Existing # of Lots:		Proposed # of Lots:		Proposed # of New Dwelling Units:			
Existing Sewerage	<input type="checkbox"/> Public	<input type="checkbox"/> On-Lot	<input type="checkbox"/> None	Proposed Sewerage	<input type="checkbox"/> Public	<input type="checkbox"/> On-Lot	<input type="checkbox"/> None
Existing Water	<input type="checkbox"/> Public	<input type="checkbox"/> Well	<input type="checkbox"/> None	Proposed Water	<input type="checkbox"/> Public	<input type="checkbox"/> Well	<input type="checkbox"/> None
Zoning District:							
Existing Land Use:				Proposed Land Use:			
Are any zoning variances/subdivision waivers requested? ___YES ___NO							
List variances/waivers requested:							
Purpose of the Plan:							
Fees Submitted: \$		Check Number:		Signed by:		Date:	

***The Dauphin County Planning Commission meeting is held on the first Monday of each month. The cut off date for plan submission for County Approval is nine (9) days prior to the meeting.

MUNICIPAL ACCEPTANCE STATEMENT

The Township/Borough of _____ has received the above plan and hereby authorizes the bearer to deliver same to the **Dauphin County Planning Commission Office, 112 Market Street, 2nd Floor, Harrisburg, PA 17101-2015, (717) 234-2639.**

If plan is being submitted for Dauphin County Approval, the Township/Borough will review the plan and provide written comments within 30 days to: Dauphin County Planning Commission,

Signed _____ Date _____

Municipal Secretary or Official _____

GENERAL NOTES:

- THIS PLAN IS IN SUBSTANTIAL COMPLIANCE WITH THE SUSQUEHANNA TOWNSHIP ZONING, SUBDIVISION AND LAND DEVELOPMENT, AND STORMWATER MANAGEMENT ORDINANCES PURSUANT TO SECTION 507 OF THE PENNSYLVANIA MUNICIPALITIES PLANNING CODE (THE "MPC"). ANY DESIGN MODIFICATIONS MUST BE APPROVED BY THE SUSQUEHANNA TOWNSHIP BOARD OF COMMISSIONERS PRIOR TO FINAL PLAN APPROVAL PURSUANT TO SECTION 508(4) OF THE MPC.
- THE PROPOSED STREET AND SPEED LIMIT SIGNAGE SHALL BE CONSISTENT WITH THE SPECIFICATIONS OF SUSQUEHANNA TOWNSHIP.
- ALL FIRE HYDRANTS SHALL HAVE SHUT OFF VALVES.
- THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A MINIMUM OF 48 HOURS NOTICE AND TO COORDINATE WITH THE TOWNSHIP/TOWNSHIP ENGINEER IN REGARDS TO ALL MUNICIPAL INSPECTION WORK REQUIRED ON THE PROJECT SITE.
- THE CONTRACTOR/DEVELOPER SHALL PROVIDE TWO (2) SETS OF RECORD DRAWINGS OF ALL STORMWATER MANAGEMENT FACILITIES TO SUSQUEHANNA TOWNSHIP PRIOR TO OCCUPANCY OR THE RELEASE OF FINANCIAL SECURITY.
- THE DEVELOPER SHALL PROVIDE TWO (2) SETS OF RECORD DRAWINGS TO THE SUSQUEHANNA TOWNSHIP AUTHORITY. THESE RECORD DRAWINGS SHALL BE PROVIDED AFTER THE STRUCTURES ARE CONSTRUCTED AND SHALL SHOW THE CONNECTION TO THE SEWER MAIN.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE ANY NON-STANDARD HEADWALLS OR ENDWALLS STRUCTURALLY DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE COMMONWEALTH OF PENNSYLVANIA. THE STRUCTURAL DESIGN CALCULATIONS SHALL BE SUBMITTED TO AND REVIEWED BY THE TOWNSHIP AND THEIR ENGINEER.
- INSTALLATION OF STORM DRAINAGE PIPING THROUGH THE CORNER OF PRE-CAST INLETS (OR "KNOCKOUT CORNERS") IS PROHIBITED. ALL PIPE CONNECTIONS AT INLETS SHALL OCCUR AT THE SIDES OF THE INLET.
- ALL STORMWATER INLET FRAMES, CONCRETE TOPS, AND GRADE ADJUSTMENT RINGS SHALL BE SET IN A FULL BED OF MORTAR.
- ALL STORMWATER CONVEYANCE PIPING SHALL HAVE WATERTIGHT JOINTS.
- ROADWAY AND/OR CURB UNDERDRAIN(S) SHALL BE INSPECTED BY THE MUNICIPAL ENGINEER OR HIS DESIGNATED AGENT AFTER COMPLETION OF ALL WORK, JUST PRIOR TO THE BASE COURSE APPLICATION.
- THE TOWNSHIP STAFF HAS PERMISSION TO ACCESS THE DRAINAGE EASEMENTS FROM THE NEAREST PUBLIC RIGHT-OF-WAY.
- SIDEWALKS SHALL BE INSPECTED BY THE MUNICIPAL ENGINEER OR HIS DESIGNATED AGENT AFTER THE FORMS HAVE BEEN PLACED, JUST PRIOR TO THE POURING OF CONCRETE AND AFTER THE COMPLETION OF ALL WORK.
- ALL STREET ADDRESS NUMBERS SHALL BE DISPLAYED IN ACCORDANCE WITH ORDINANCE SECTION 22-1112 REQUIREMENTS.
- EASEMENTS AND RESERVATIONS OF COMMON AREAS INCLUDING ACCESS DRIVES, PARKING AREAS, AND COMMON OPEN SPACES WILL BE PROVIDED IN CONDOMINIUM DOCUMENTS AT THE TIME OF FINAL DEVELOPMENT.
- AS DEFINED BY FEMA FLOODPLAIN PANEL 42043C0330D, THERE IS NO FEMA DELINEATED FLOODPLAIN LOCATED WITHIN THE SUBJECT SITE.
- IN A LETTER DATED SEPTEMBER 7, 2017, THE TOWNSHIP ACKNOWLEDGES RECEIPT AND APPROVAL OF THE CONCEPT/SKETCH PLAN MEETING THE REQUIREMENTS AS NOTED IN THE TND-1 ZONING ORDINANCE.
- STORMWATER OPERATIONS AND MAINTENANCE (O&M) AGREEMENT IS PART OF THE STORMWATER MANAGEMENT SITE PLAN. OPERATIONS AND MAINTENANCE AGREEMENTS SHALL BE RECORDED WITH THE FINAL LAND DEVELOPMENT STORMWATER MANAGEMENT PLAN.
- ALL STREET LIGHTS AND OUTDOOR LIGHTING SHALL UTILIZE LIGHT EMITTING DIODE (LED) TECHNOLOGY.
- WHERE APPLICABLE, ALL CONSTRUCTION SHALL CONFORM TO PENNDOT PUBLICATIONS 408 AND 72 STANDARDS, SUSQUEHANNA TOWNSHIP ORDINANCES, AND SUSQUEHANNA TOWNSHIP AUTHORITY MANUAL FOR SEWER EXTENSION CONSTRUCTION.
- BMPs ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PA STORMWATER BMP MANUAL. BMPs SHALL BE SEQUENCED RELATIVE TO PROJECT PHASING PLAN AND PER FINAL PLAN APPROVALS.
- DO NOT SCALE DRAWINGS.
- ALL WORK SHALL BE IN CONFORMANCE WITH SUSQUEHANNA TOWNSHIP AND SUSQUEHANNA TOWNSHIP AUTHORITY.
- PROPOSED CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE.
- ALL MAPPING AND LOCATION OF EXISTING UTILITIES WERE OBTAINED FROM THE UTILITY COMPANIES LISTED UNDER "UTILITY CONTACTS". ALL DATA CONCERNING THESE EXISTING CONDITIONS WAS ACQUIRED BY THE H.F. LENZ COMPANY FOR USE IN DESIGNING THIS PROJECT. ITS ACCURACY OR COMPLETENESS IS NOT GUARANTEED BY THE H.F. LENZ COMPANY AND IN NO EVENT IS IT TO BE CONSIDERED A PART OF THE CONTRACT DOCUMENTS. CONTRACTORS MUST ASSUME ALL RISKS PERTAINING TO EXISTING SITE CONDITIONS.

CAUTION NOTICE TO CONTRACTOR:

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. ALL BURIED UTILITIES ARE NOT NECESSARY SHOWN. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY IN ACCORDANCE WITH PA ACT 38 OF 1991 BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL CONFIRM ALL FINAL CONNECTION POINTS TO EXISTING UTILITIES WITH THE RESPECTIVE UTILITY COMPANY PRIOR TO CONSTRUCTION.

PERTAINING TO EXISTING SITE CONDITIONS.

- THE CONTRACTOR SHALL EXERCISE CAUTION AND EMPLOY CAREFUL EXCAVATION METHODS DURING INSTALLATION OF THE FACILITIES TO AVOID DAMAGE TO OR CONFLICT WITH EXISTING UTILITIES. THE CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATIONS AS DIRECTED AND/OR REQUIRED BY THE ENGINEER TO ASCERTAIN THE HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES PRIOR TO CONSTRUCTION IN AFFECTED AREAS AND MAKE THE APPROPRIATE ADJUSTMENTS IN THE FIELD IF CONFLICTS OCCUR. NO SEPARATE PAYMENT SHALL BE MADE FOR THE HEREIN DESCRIBED PROVISIONS AND SHALL BE INCLUDED IN THE COST OF THOSE ITEMS FOR WHICH PAYMENT SHALL BE MADE IN THE BID SCHEDULE.
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN USE OF ALL UTILITIES WITHIN THE IMMEDIATE WORK AREA DURING CONSTRUCTION WHEN WORK IS IN PROGRESS AT ALL TIMES.
- CONTRACTOR IS RESPONSIBLE TO STABILIZE AND MAINTAIN ALL UTILITY POLES WITHIN THE IMMEDIATE WORK AREA THAT MAY BE AFFECTED BY THE CONSTRUCTION OPERATIONS.
- PROVIDE, ERECT AND MAINTAIN BARRICADES, LIGHTING AND GUIDE RAILS AS REQUIRED BY APPLICABLE REGULATORY AGENCIES TO PROTECT THE PUBLIC AND WORKMAN.
- ALL DISTURBED AREAS EXCEEDING THE LIMITS OF WORK SHALL BE RESTORED TO EXISTING CONDITIONS AT THE FULL EXPENSE OF THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE OWNER.
- ALL CONCRETE WORK SHALL COMPLY WITH THE SPECIFICATIONS AND THE AMERICAN CONCRETE INSTITUTE'S "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", ACI 318-89 OR THE LATEST REVISION THERETO.
- ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT THE END OF 28 DAYS.
- ALL REINFORCEMENT STEEL TO BE GRADE 60 DEFORMED BARS.
- MINIMUM SPLICE FOR REINFORCEMENT STEEL IS 30 BAR DIAMETERS UNLESS OTHERWISE NOTED.
- WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A-185 SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NECESSARY TO ESTABLISH LINES, LOCATION, GRADES, DIMENSIONS AND ELEVATIONS OF THE WORK FROM EXISTING FACILITIES.
- THE CONTRACTOR SHALL EXCAVATE TO THE LINES AND GRADES AS SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION OF EVERY DESCRIPTION AND OF WHATEVER SUBSTANCES ENCOUNTERED TO THE DEPTHS INDICATED. ALL EXCAVATED MATERIAL NOT REQUIRED OR UNSUITABLE FOR FILL SHALL BE REMOVED AND WASTED OFF SITE.
- UNLESS OTHERWISE INDICATED ON THESE DRAWINGS, REMOVE TREES, SHRUBS, GRASS AND OTHER VEGETATION INTERFERING WITH INSTALLATION OF NEW CONSTRUCTION. REMOVAL INCLUDES DIGGING OUT STUMPS AND ROOTS.
- DURING EXCAVATION EXTREME CARE SHOULD BE TAKEN BY THE CONTRACTOR TO AVOID UNNECESSARY CUTTING OF ROOTS. WHEN ROOTS ARE CUT THEY SHOULD BE PROPERLY DRESSED SO AS NOT TO KILL THE TREE.
- ALL TRENCH EXCAVATION SIDE WALLS GREATER THAN 5 FEET IN DEPTH SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED BY MEANS OF THE SUFFICIENT STRENGTH TO PROTECT THE WORKMAN WITHIN THEM IN ACCORDANCE WITH APPLICABLE RULES AND REGULATIONS ESTABLISHED FOR CONSTRUCTION BY THE DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND BY LOCAL ORDINANCES. LATERAL TRAVEL DISTANCES TO AN EXIT LADDER OR STEPS SHALL NOT BE GREATER THAN 25 FEET IN TRENCHES 4 FEET OR DEEPER.
- ALL TRAFFIC LINE PAINTING TO BE PADOT TYPE 1, IN ACCORDANCE WITH THE LATEST EDITION OF THE PADOT 408, SECTION 962.
- ALL TRAFFIC SIGNS TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE PADOT 408, SECTION 1103.
- THE DESIGN REVIEW COMMITTEE MUST REVIEW THE CONSTRUCTION DRAWINGS FOR COMPLIANCE WITH THE DESIGN GUIDELINES PRIOR TO ISSUANCE OF A BUILDING PERMIT.
- CONTRACTOR SHALL NOTIFY SUSQUEHANNA TOWNSHIP AND THEIR ONSITE REPRESENTATIVE A MINIMUM OF 24 HOURS PRIOR TO THE PLACEMENT OF ENGINEERED FILL OVER PREVIOUSLY INSTALLED PIPE TRENCHES.
- ALL ELECTRICAL, TELEPHONE AND CABLE LINES MUST BE PLACED UNDERGROUND.

CONFORMITY WITH DESIGN GUIDELINES:

- PROPOSED WALKING TRAILS SHALL BE IN ACCORDANCE WITH THE DESIGN GUIDELINES
- ALL PLANTERS SHALL BE IN ACCORDANCE WITH SECTION 507 – SITE ELEMENTS OF THE DESIGN GUIDELINES
- HARDSCAPE SHALL BE IN ACCORDANCE WITH SECTION 503-- PEDESTRIAN GATHERING AREAS, PEDESTRIAN MEWS & CENTRAL GREEN OF THE DESIGN GUIDELINES
- PARKING SHALL BE SCREENED AND BUFFERED FROM ADJACENT STREETS USE STREET WALL #2 AS PER SECTIONS 505 AND 507 OF THE DESIGN GUIDELINES
- ALL LIGHTING SHALL BE IN ACCORDANCE WITH SECTION 506-- SITE LIGHTING OF THE DESIGN GUIDELINES
- STREETS AND SIDEWALKS SHALL BE IN ACCORDANCE WITH SECTION 502 – STREETScape OF THE DESIGN GUIDELINES
- PROPOSED BENCHES SHALL BE IN ACCORDANCE WITH SECTION 507-- SITE ELEMENTS OF THE DESIGN GUIDELINES
- ALL LANDSCAPING SHALL BE IN ACCORDANCE WITH SECTION 502 AND 508 OF THE DESIGN GUIDELINES

LEGEND

EXISTING	
—100—	CONTOUR LINE
—W—	WATERLINE
—G—	GAS LINE
—SS—	SANITARY SEWER
—ST—	STORM SEWER
—STE—	STEAM LINE
----EU----	UNDERGROUND ELEC TELE CABLE
----TU----	UNDERGROUND TELEPHONE
----CTVU----	UNDERGROUND CABLE
—E—	OVERHEAD ELECTRIC
—T—	OVERHEAD TELEPHONE
—CTV—	OVERHEAD CABLE
—OHW—	OVERHEAD WIRES
—C—	CONDUIT
---FO/COM---	FIBER OPTICS / COMMUNICATIONS
●FH	FIRE HYDRANT
PP○	POWER POLE
▲	SIGN (EXISTING)
PROPOSED	
—100—	CONTOUR LINE
—W—	WATERLINE
—G—	GAS LINE
—SS—	SANITARY SEWER
—ST—	STORM SEWER
—STE—	STEAM LINE
----EU----	UNDERGROUND ELEC TELE CABLE
----TU----	UNDERGROUND TELEPHONE
----CTVU----	UNDERGROUND CABLE
---FO/COM---	FIBER OPTICS/COMMUNICATIONS
—E—	OVERHEAD ELECTRIC
—T—	OVERHEAD TELEPHONE
—CTV—	OVERHEAD CABLE
—C—	CONDUIT
●FH	FIRE HYDRANT
PP○	POWER POLE
SL▲	STREET LIGHT
▲	SIGN
-X-X-X-	FENCE
⊙	NUMBER OF PARKING SPACES

SYMBOL AND ABBREVIATION SCHEDULE

AC	ACRE	EM	ELECTRIC METER	PUB	PUBLICATION
AC	AIR CONDITIONER	EL/ELEV	ELEVATION	PSI	POUNDS PER SQUARE INCH
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAYS AND TRANSPORTATION OFFICIALS	EQ	EQUAL	PP	POWER POLE
ACI	AMERICAN CONCRETE TRANSPORTATION OFFICIALS	EXP	EXPANSION	PVC	POLYVINYL CHLORIDE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	EX	EXISTING	ℓ	PROPERTY LINE
⊙	AT	FFE	FINISH FLOOR ELEVATION	R	RADIUS
ℓ	BASELINE	FH	FIRE HYDRANT	REINF	REINFORCEMENT
BC	BOTTOM OF CURB	GM	GAS METER	RCP	REINFORCED CONCRETE PIPE
BW	BOTTOM OF WALL	GV	GAS VALVE	R/W	RIGHT-OF-WAY
BY/4"	BROKEN YELLOW PAVEMENT LINE/WIDTH	HP	HIGH POINT	SCH	SCHEDULE
BLDG	BUILDING	HORIZ	HORIZONTAL	SEC	SECTION
℄	CENTERLINE	INC	INCORPORATED	SEG	SEGMENT
CC C/C	CENTER TO CENTER	INV	INVERT	SLCPP	SMOOTH LINED CORRUGATED PLASTIC PIPE
CLR	CLEAR	LP	LIGHT POLE	STA	STATION
CONC	CONCRETE	MH	MANHOLE	SR	STATE ROUTE
CONSTR	CONSTRUCTION	MAX	MAXIMUM	ST	STREET
CMP	CORRUGATED METAL PIPE	MIN	MINIMUM	SRL	SKID RESISTANCE LEVEL
CPP	CORRUGATED POLYETHYLENE PIPE	MPH	MILES PER HOUR	S	SOUTH
DIA	DIAMETER	N	NORTH	SF	SQUARE FEET
DI	DUCTILE IRON	NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	SY	SQUARE YARD
EOB	EDGE OF BERM	No/#	NUMBER	TC	TOP OF CURB
EOP	EDGE OF PAVEMENT	PM	PARKING METER	TW	TOP OF WALL
ELEC	ELECTRIC	OC	ON CENTER	XF	TRANSFORMER
EMH	ELECTRIC MANHOLE	PADOT	PENNSYLVANIA DEPARTMENT OF TRANSPORTATION	TYP	TYPICAL
		PERF	PERFORATED	WM	WATER METER
		PE	POLYETHYLENE	WV	WATER VALVE
				WWF	WELDED WIRE FABRIC
				W/4"	WHITE PAVEMENT LINE/WIDTH

LIST OF PUBLIC UTILITIES AND CONTACTS

CTSI LLC 100 CTE DR DALLAS, TX 18612 (888) 278-8783	COMCAST CABLE COMMUNICATIONS INC 4601 SMITH ST HARRISBURG, PA 17109 (800) 266-2278
SUEZ WATER PENNSYLVANIA INC 4211 EAST PARK CIRCLE HARRISBURG, PA 17111 (717) 554-3664	UGI UTILITIES INC 1500 PAXTON ST HARRISBURG, PA 17104 (800) 609-4844
VERIZON PENNSYLVANIA INC 11 FLOOR STRAWBERRY SQUARE HARRISBURG, PA 17101 (800) 821-0088	SUSQUEHANNA TWP AUTH/SUSQUEHANNA TWP 1900 LINGLESTOWN RD HARRISBURG, PA 171103301 (717) 545-0116
PA COMMONWEALTH OF OFFICE OF ADMIN GOVERNORS OFFICE OF ADMIN 207 FINANCE BUILDING HARRISBURG, PA 17120 (717) 787-9945	ZAYO BANDWIDTH FORMERLY PPL TELECOM LLC 7010 SNOWDRIFT ROAD ALLENNTOWN, PA 18106 (866) 364-6033
PPL ELECTRIC UTILITIES CORPORATION 1801 BROOKWOOD ST HARRISBURG, PA 171042222 (800) 342-5775	

CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE – STOP CALL



POCS SERIAL NUMBER
20171141544



LaQuatra Bonci ASSOCIATES
LANDSCAPE ARCHITECTURE

95 South Tenth Street
Pittsburgh, Pennsylvania 15203
tel 412.488.8822
fax 412.488.8825

Nature leads, art follows.

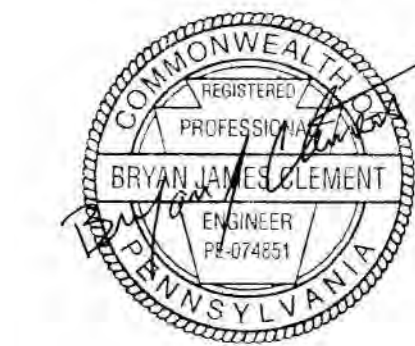


Prepared for:

Vartan Group, Inc.
3605 Vartan Way, Suite 301
Harrisburg, PA 17110

Susquehanna
Union Green

Susquehanna
Township, Dauphin
County, PA



Project Number:
18030-1
Drawn by:
LBG/REA
Checked by:
LBG/BJC
Date:
03/05/2021

Revisions:
1.

Scale:



Sheet Name:

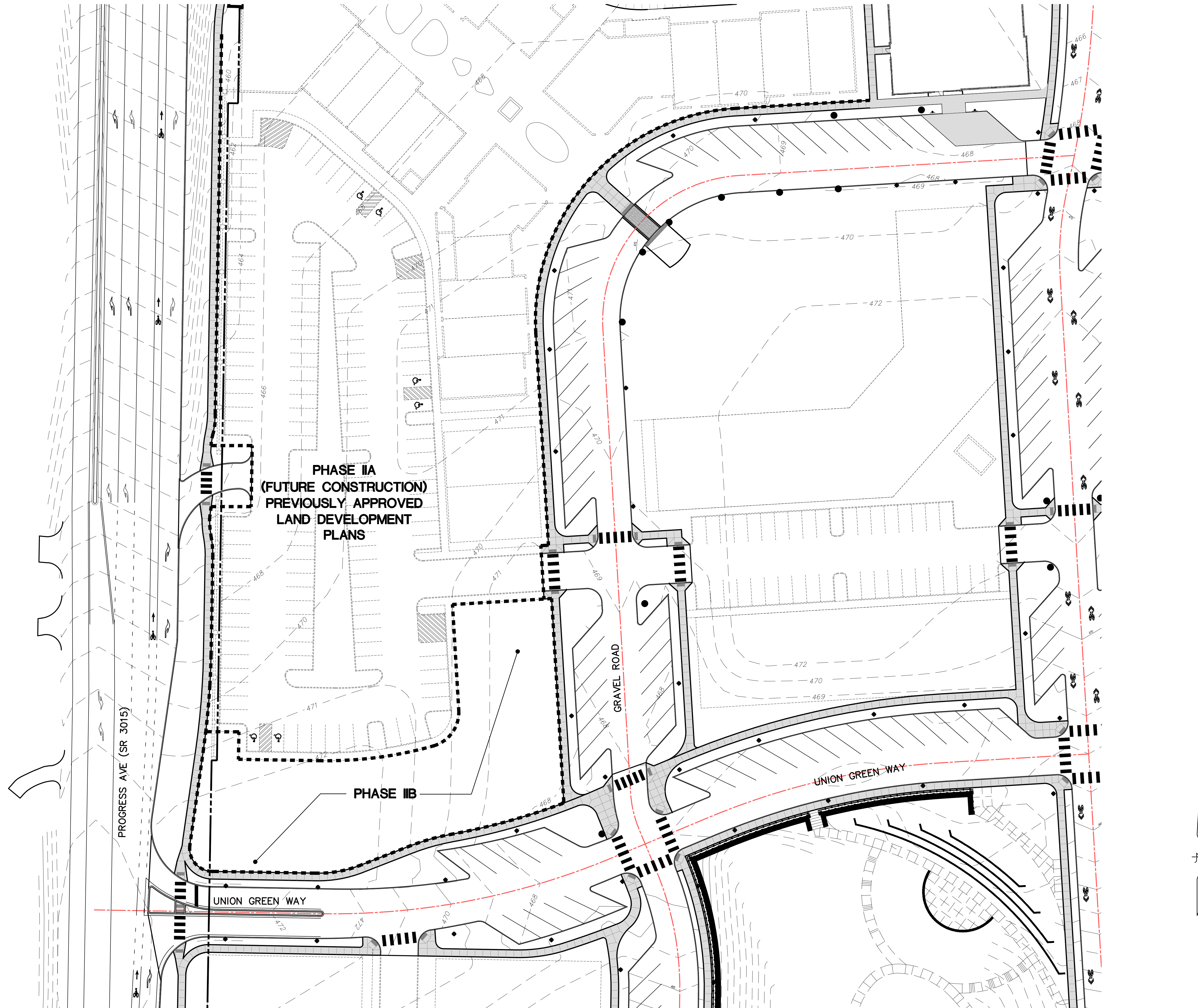
General Information Sheet

Submission:
Final Land Development Plan
Phase II B

Sheet Number:

C001

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**LaQuatra Bonci
ASSOCIATES**
LANDSCAPE ARCHITECTURE

95 South Tenth Street
Pittsburgh, Pennsylvania 15203
tel 412.488.8822
fax 412.488.8825

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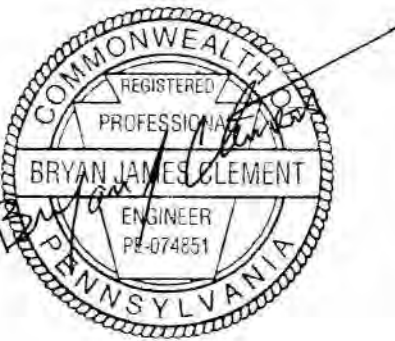


Prepared for:

Vartan Group, Inc.
3605 Vartan Way, Suite 301
Harrisburg, PA 17110

**Susquehanna
Union Green**

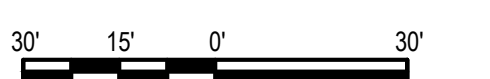
Susquehanna
Township, Dauphin
County, PA



Project Number:
18030:1
Drawn by:
LBG/REA
Checked by:
LBG/BJC
Date:
03/05/2021

Revisions:
1.

Scale:
1"=30'



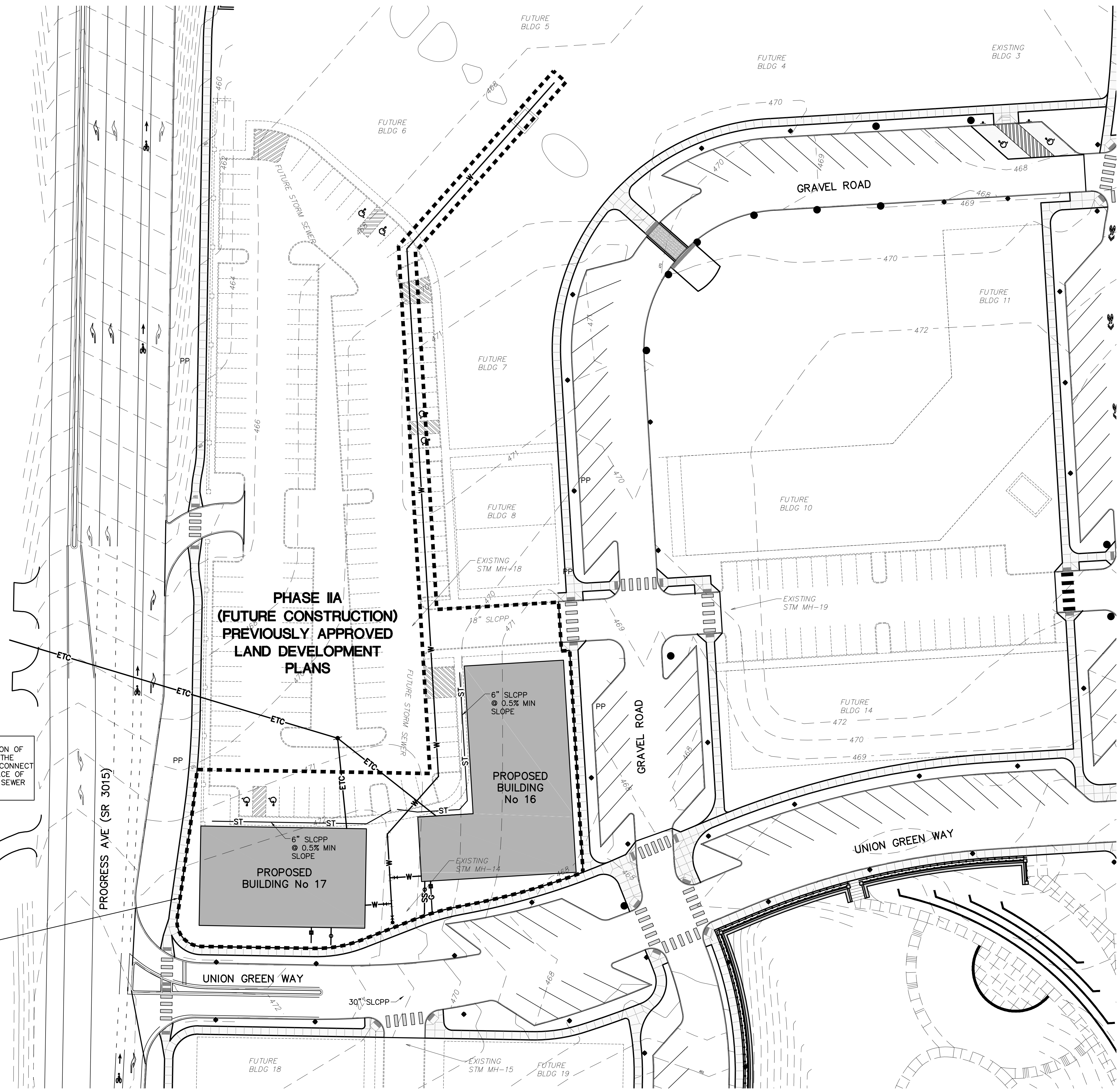
Sheet Name:
**Existing Conditions
Plan**

Submission:
Final Land Development Plan
Phase II B

Sheet Number:

C100

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NOTE:
 COORDINATE NUMBER AND LOCATION OF
 RAINWATER CONDUCTORS EXITING THE
 BUILDING WITH PLUMBING PLANS. CONNECT
 TO RAINWATER CONDUCTOR AT FACE OF
 BUILDING AND EXTEND TO STORM SEWER
 AS SHOWN AND/OR REQUIRED.

NOTE:
 STORMWATER ON SITE IS PART
 OF STORMWATER
 MANAGEMENT FOR PHASE 1,
 REVISED ON 06-24, 2020



LaQuatra Bonci
 ASSOCIATES
 LANDSCAPE ARCHITECTURE

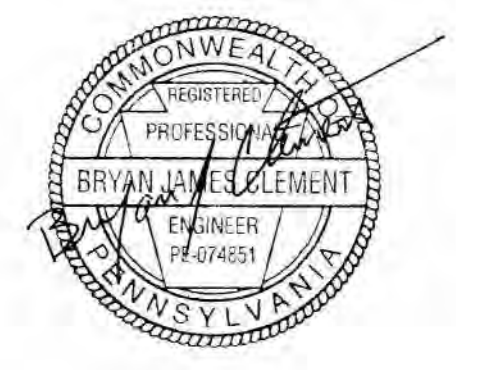
95 South Tenth Street
 Pittsburgh, Pennsylvania 15203
 tel 412.488.8822
 fax 412.488.8825

Nature leads, art follows.



Prepared for:
 Vartan Group, Inc.
 3605 Vartan Way, Suite 301
 Harrisburg, PA 17110

Susquehanna
 Union Green
 Susquehanna
 Township, Dauphin
 County, PA



Project Number:
 18030-1
 Drawn by:
 LBG/REA
 Checked by:
 LBG/BJC
 Date:
 03/05/2021

Revisions:
 1.

Scale:
 1"=30'

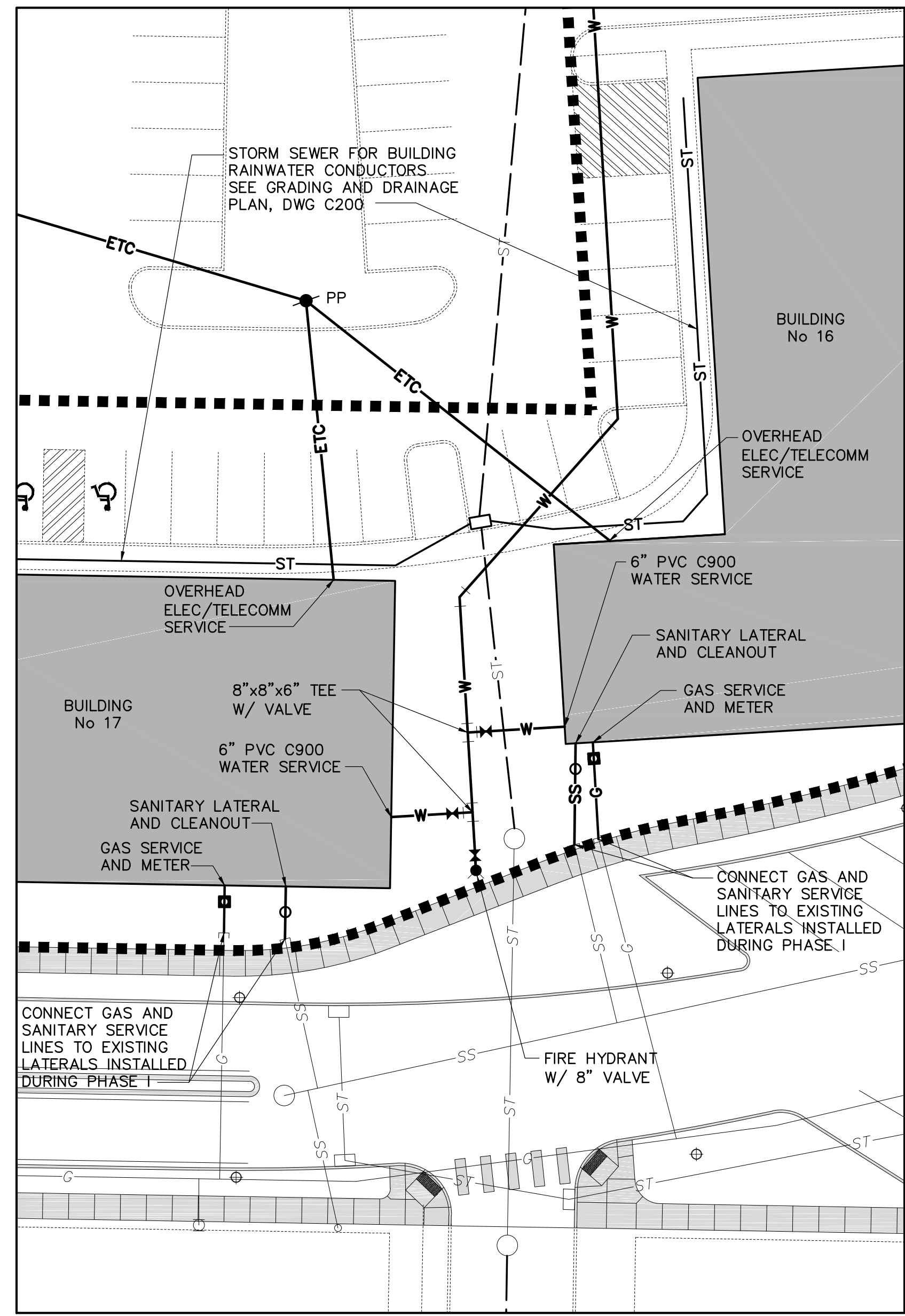
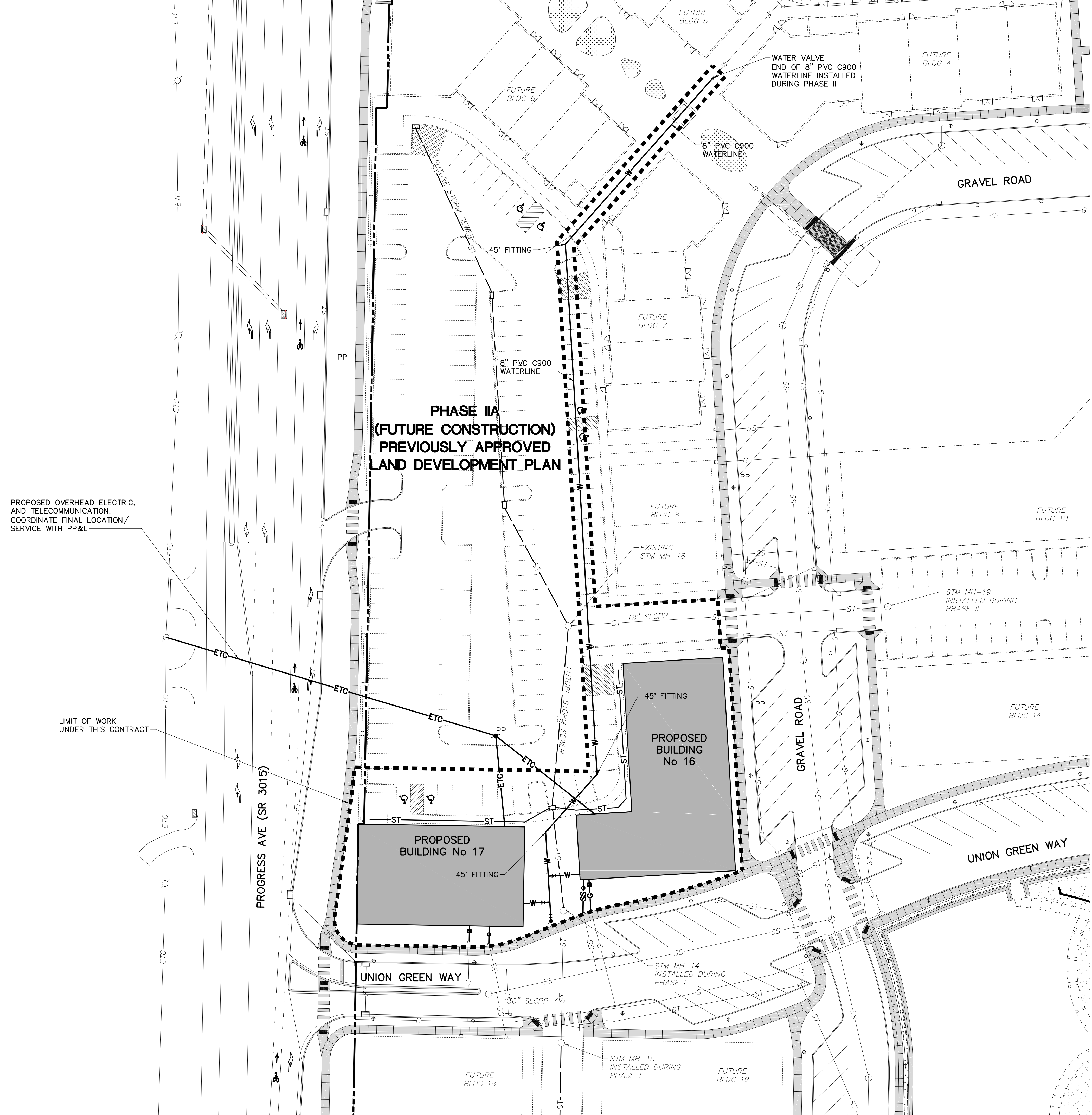
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 Drainage Plan**
 Submission:
 Final Land Development Plan
 Phase II B

Sheet Number:

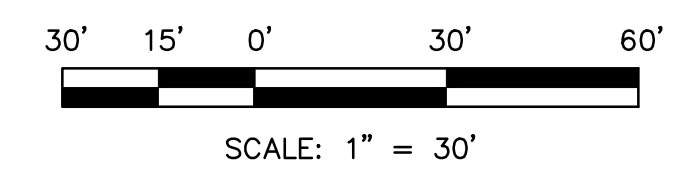
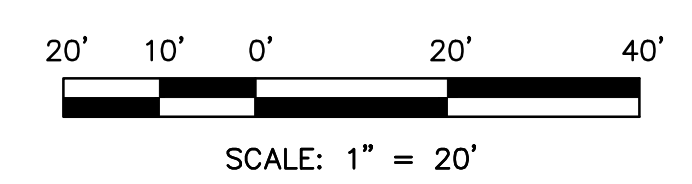
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BUILDING SERVICE CONNECTIONS



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LANDSCAPE ARCHITECTURE

95 South Tenth Street
Pittsburgh, Pennsylvania 15203
tel 412.488.8822
fax 412.488.8825

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1407 Scarp Avenue
Johnstown, PA 15904
Phone: 814-269-9300
FAX: 814-269-9300

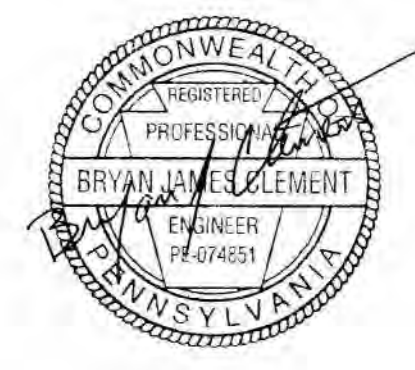


Prepared for:

Vartan Group, Inc.
3605 Vartan Way, Suite 301
Harrisburg, PA 17110

Susquehanna Union Green

Susquehanna Township, Dauphin County, PA



Project Number:
18030-1

Drawn by:
LBG/REA

Checked by:
LBG/BJC

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03/05/2021

Revisions:
1.

Scale:
As Shown

Sheet Name:
Utility Plan

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Final Land Development Plan
Phase II B

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C300

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SANITARY SEWER LINE INSTALLATION

NEW SANITARY SEWER PIPE AND FITTINGS SHALL COMPLY WITH ASTM D 3034, RATED SDR 35. PIPE SHALL BE CONTINUALLY MARKED WITH MANUFACTURER'S NAME PIPE SIZE, CELL CLASSIFICATION, SDR RATING, AND ASTM D 3034 CLASSIFICATION.

PIPE JOINTS SHALL BE INTEGRALLY MOLDED BELL ENDS PER ASTM D 3034, TABLE 2, WITH FACTORY SUPPLIED ELASTOMERIC GASKETS AND LUBRICANT.

SANITARY SEWER INSTALLATION (BEDDING AND BACKFILL) TO BE IN ACCORDANCE WITH SUSQUEHANNA TOWNSHIP AUTHORITY REQUIREMENTS.

THE SANITARY SEWER LINE MUST SUCCESSFULLY PASS AIR/VACUUM TESTING TO ENSURE THE LINE IS IN A WATERTIGHT CONDITION.

THE FILL TO BE PLACED ON THE PROPERTY AT THE LOCATION OF THE PROPOSED SEWER INSTALLATION MUST BE COMPACTED IN 4" LIFTS USING AN APPROVED MECHANICAL TAMPER AND BEING ABLE TO OBTAIN A 98% STANDARD PROCTOR. BACKFILL MATERIAL MUST BE FREE OF ASHES, ROCK OR GRAVEL LARGER THAN 4" IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, ORGANICS, OR OTHER MATERIAL.

CONTRACTOR TO SUBMIT SHOP DRAWINGS OF THE MATERIALS TO BE USED FOR THE SANITARY SEWER SYSTEM TO THE ENGINEER AND SUSQUEHANNA TOWNSHIP AUTHORITY FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

SEWER LINE SHALL BE A MINIMUM OF 10' AWAY (HORIZONTAL SEPARATION FROM ALL WATER LINES)

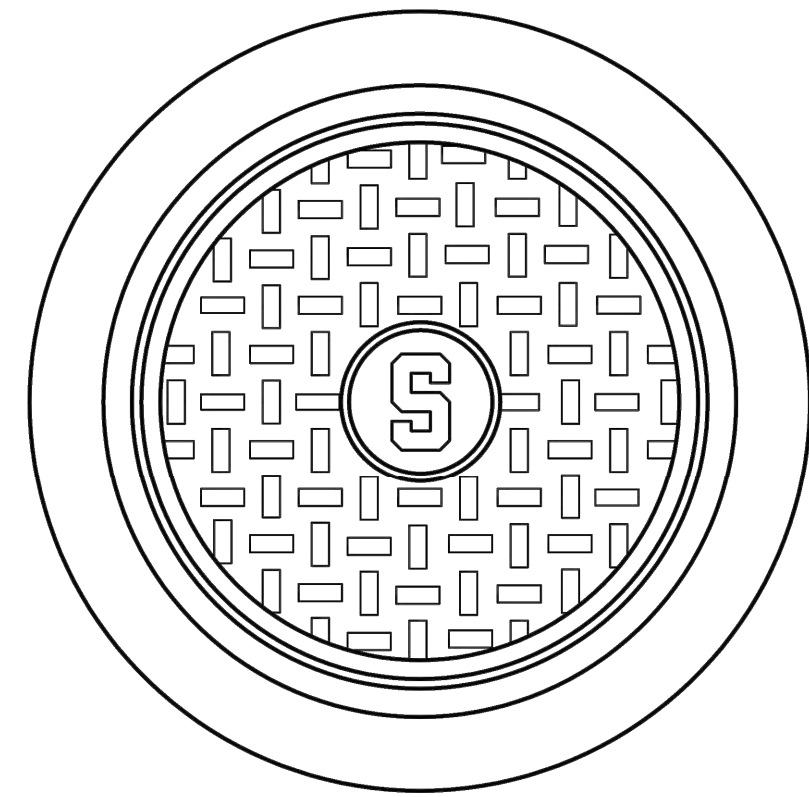
A MINIMUM OF 18" VERTICAL SEPARATION SHALL BE PROVIDED BETWEEN THE TOP OF THE SEWER AND THE BOTTOM OF THE WATER LINE.

WHERE LESS THAN 18" VERTICAL SEPARATION EXISTS CONTRACTOR SHALL CONCRETE ENCASE SEWER LINE.

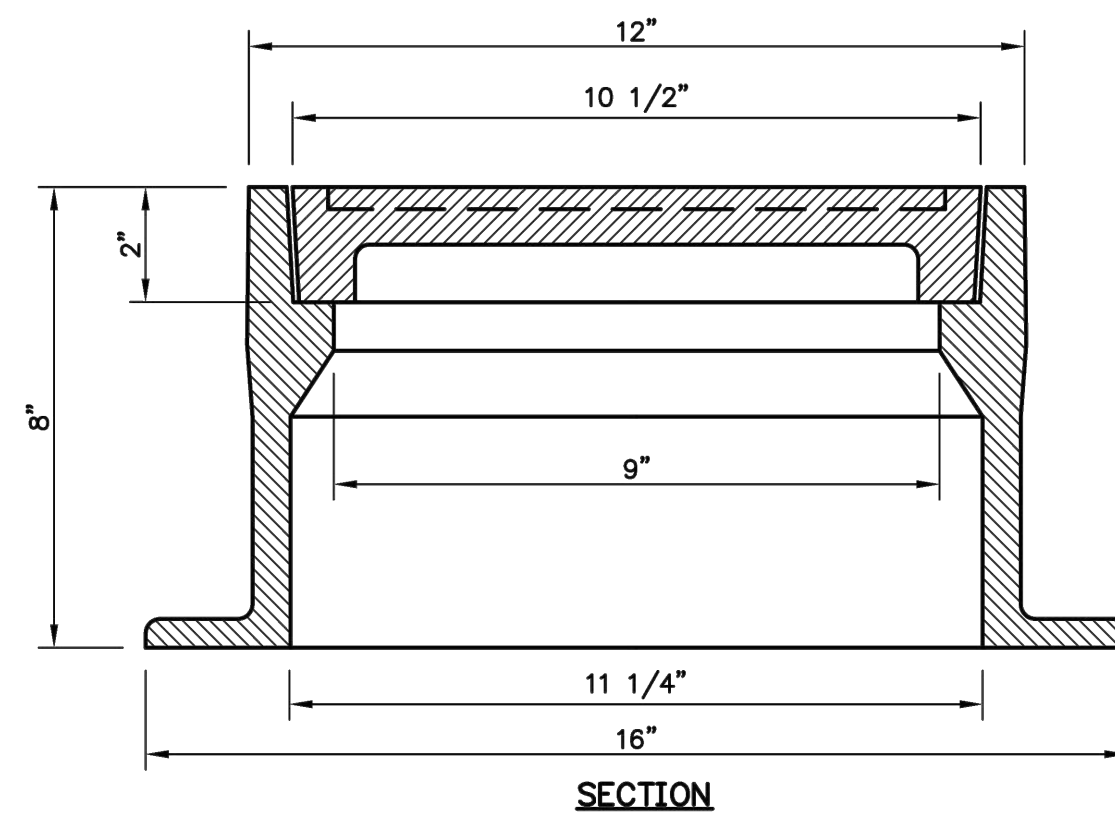
CONTRACTOR SHALL MAINTAIN MINIMUM 10' SEPARATION BETWEEN WATER AND SANITARY SEWER LATERALS.

MANHOLE COVERS SHALL BE ALLEGHENY FOUNDRY PATTERN No 125 OR APPROVED EQUAL.

LATERALS LOCATED IN AREAS CONSTRUCTED ON DUCTILE IRON PIPE SHALL BE DUCTILE IRON TO THE RIGHT-OF-WAY LINE WHERE THEY ARE TRANSITIONED TO PVC USING ROMAC TRANSITION GASKET.



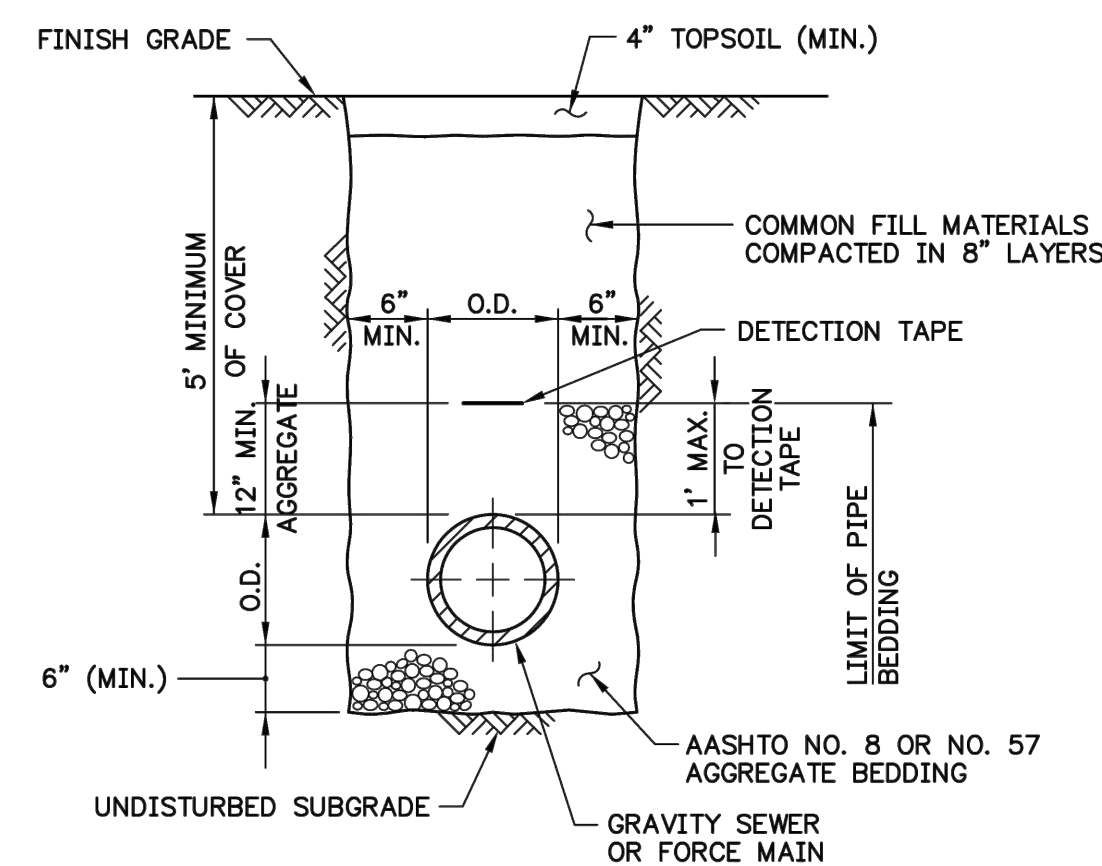
PLAN



SECTION

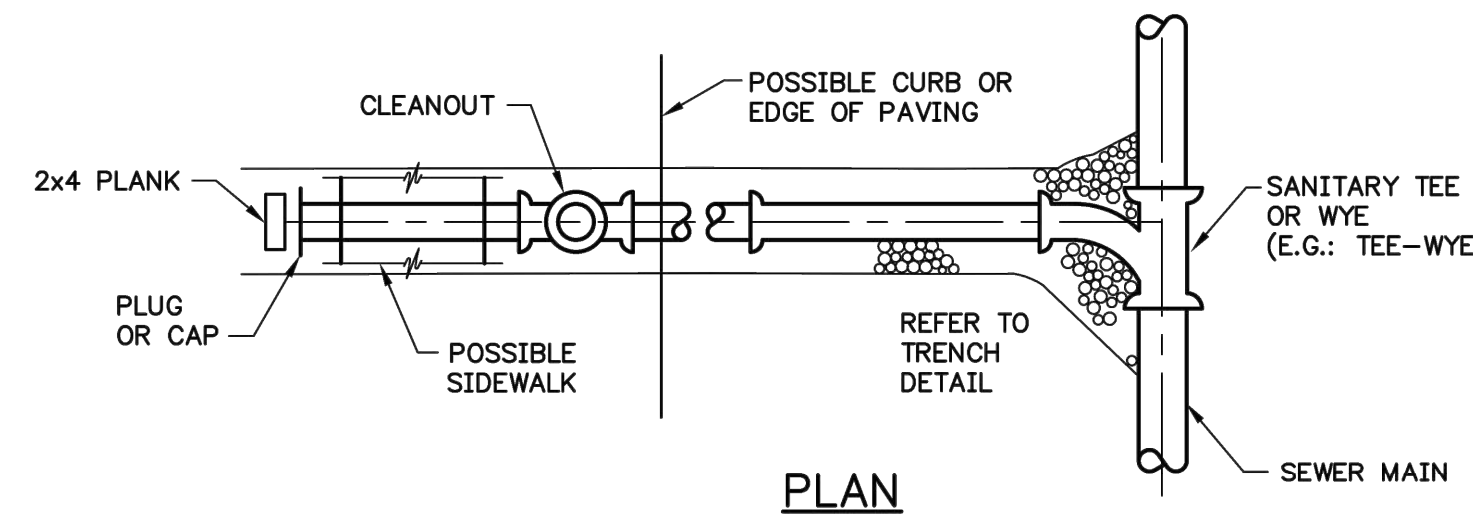
CLEANOUT/TEST TEE CAP PROTECTION CASTING

NOT TO SCALE

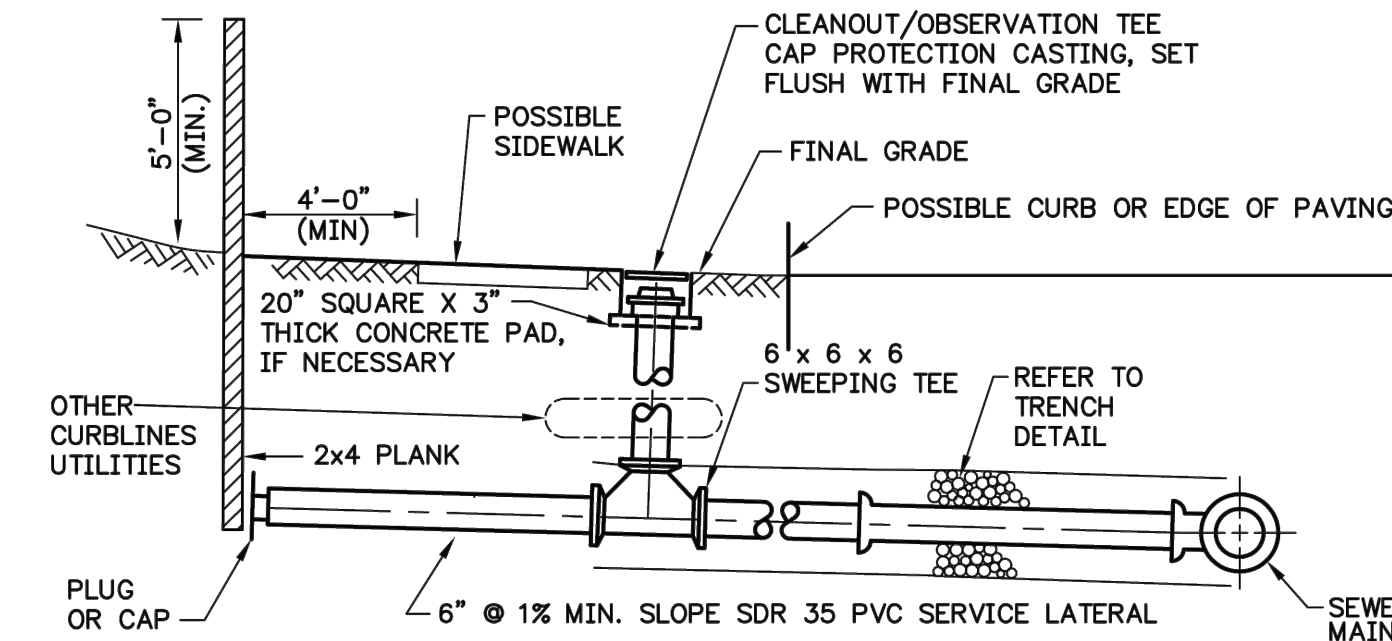


TRENCH DETAIL IN UNPAVED AREAS

NOT TO SCALE



PLAN

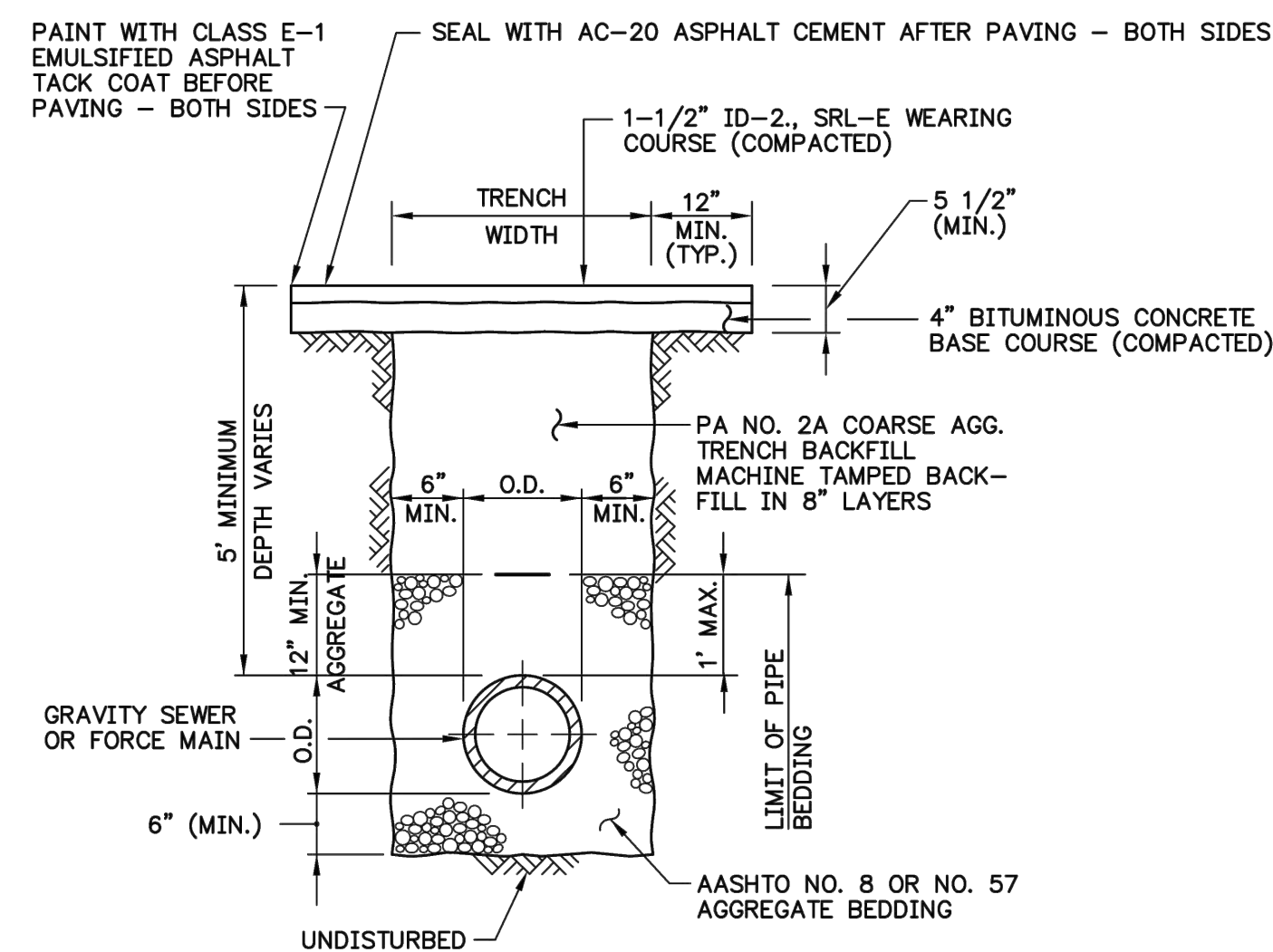


SECTION

NOTE: CURB CLEANOUT NOT TO BE LOCATED IN SIDEWALK OR BENEATH OTHER CURBLINE UTILITIES

SERVICE LATERAL DETAIL NORMAL DEPTH

NOT TO SCALE

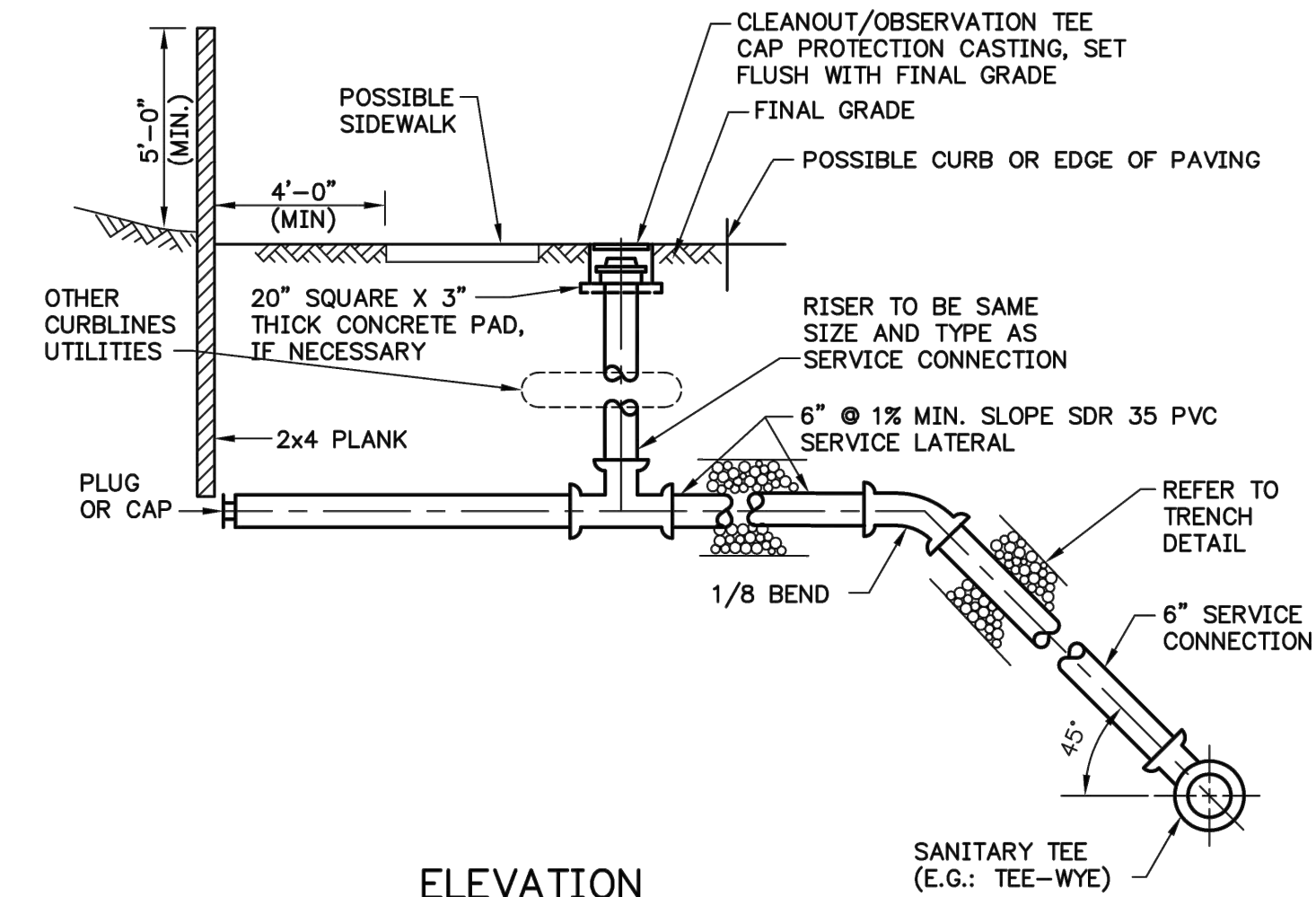


TOWNSHIP ROADS

NOTE: WHEN IN PAVED AREAS SUCH AS DRIVEWAYS OR PARKING LOTS, PAVING RESTORATION SHALL BE IN ACCORDANCE WITH CONTRACT DOCUMENTS

TRENCH DETAIL IN PAVED AREAS

NOT TO SCALE

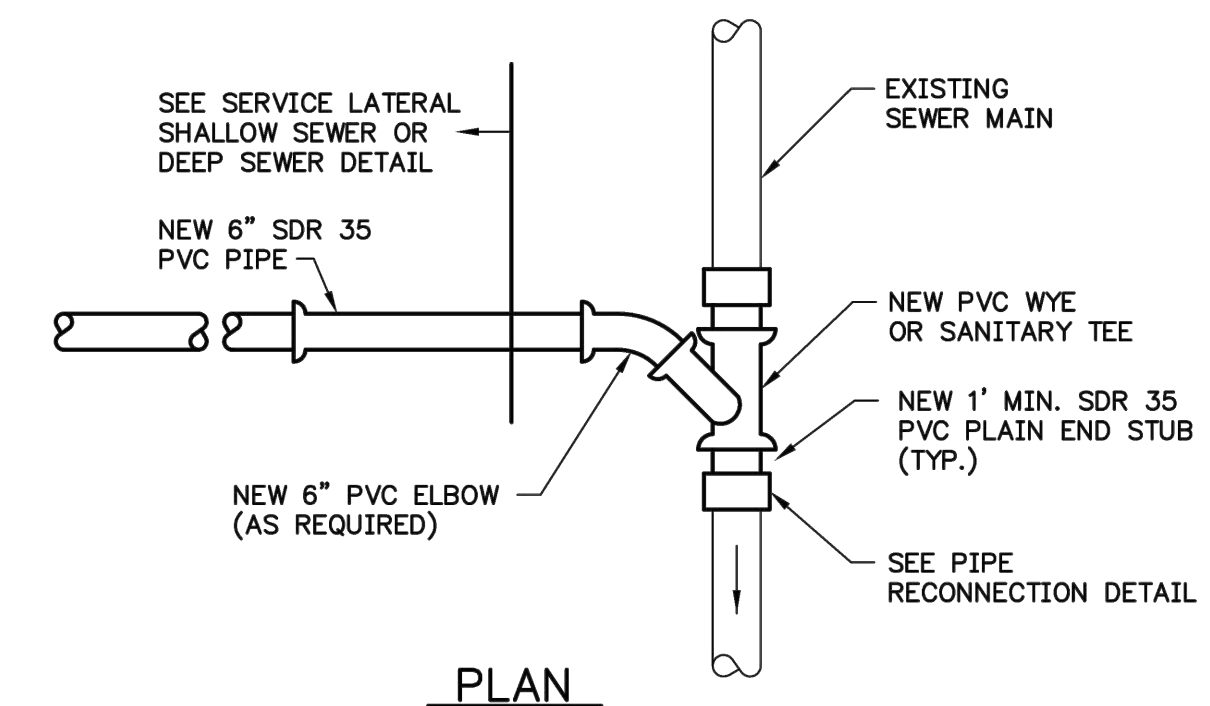


ELEVATION

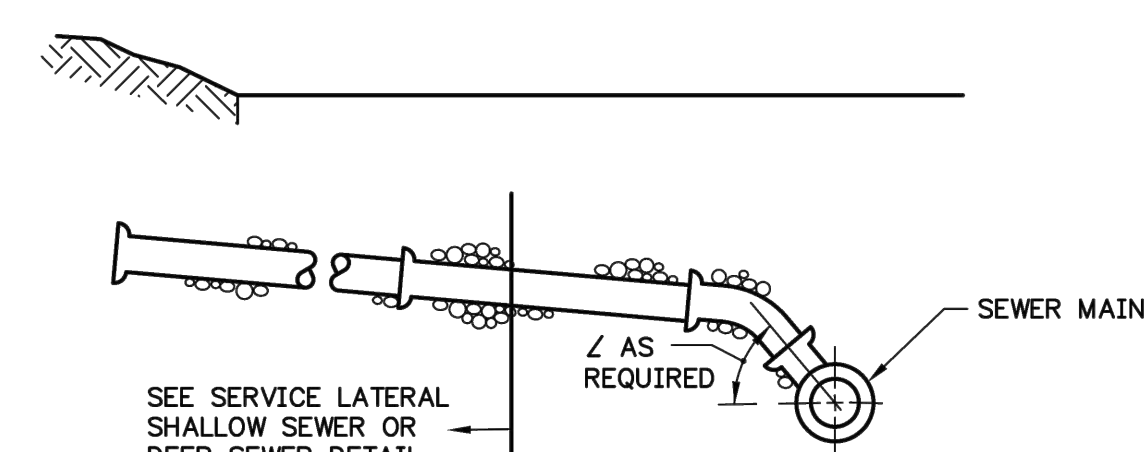
NOTE: CURB CLEANOUT NOT TO BE LOCATED IN SIDEWALK OR BENEATH OTHER CURBLINE UTILITIES

SERVICE LATERAL DETAIL DEEP SEWER

NOT TO SCALE



PLAN



ELEVATION

NOTE: EXISTING MAIN SEWER TO BE SAW CUT

SERVICE LATERAL CONNECTION TO EXISTING SEWER MAIN

NOT TO SCALE



LaQuatra Bonci ASSOCIATES LANDSCAPE ARCHITECTURE

95 South Tenth Street
Pittsburgh, Pennsylvania 15203
tel 412.488.8822
fax 412.488.8825

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1407 Scalp Avenue
Johnstown, PA 15904
Phone: 814-269-9300
FAX: 814-269-9300

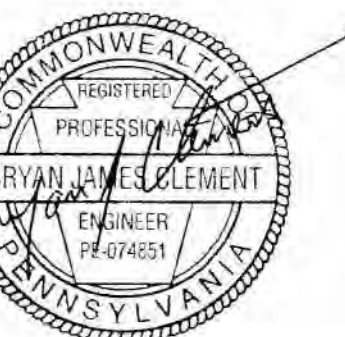


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Vartan Group, Inc.
3605 Vartan Way, Suite 301
Harrisburg, PA 17110

Susquehanna Union Green

Susquehanna Township, Dauphin County, PA



Project Number:
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LBG/REA

Checked by:
LBG/BJC

Date:
03/05/2021

Revisions:
1.

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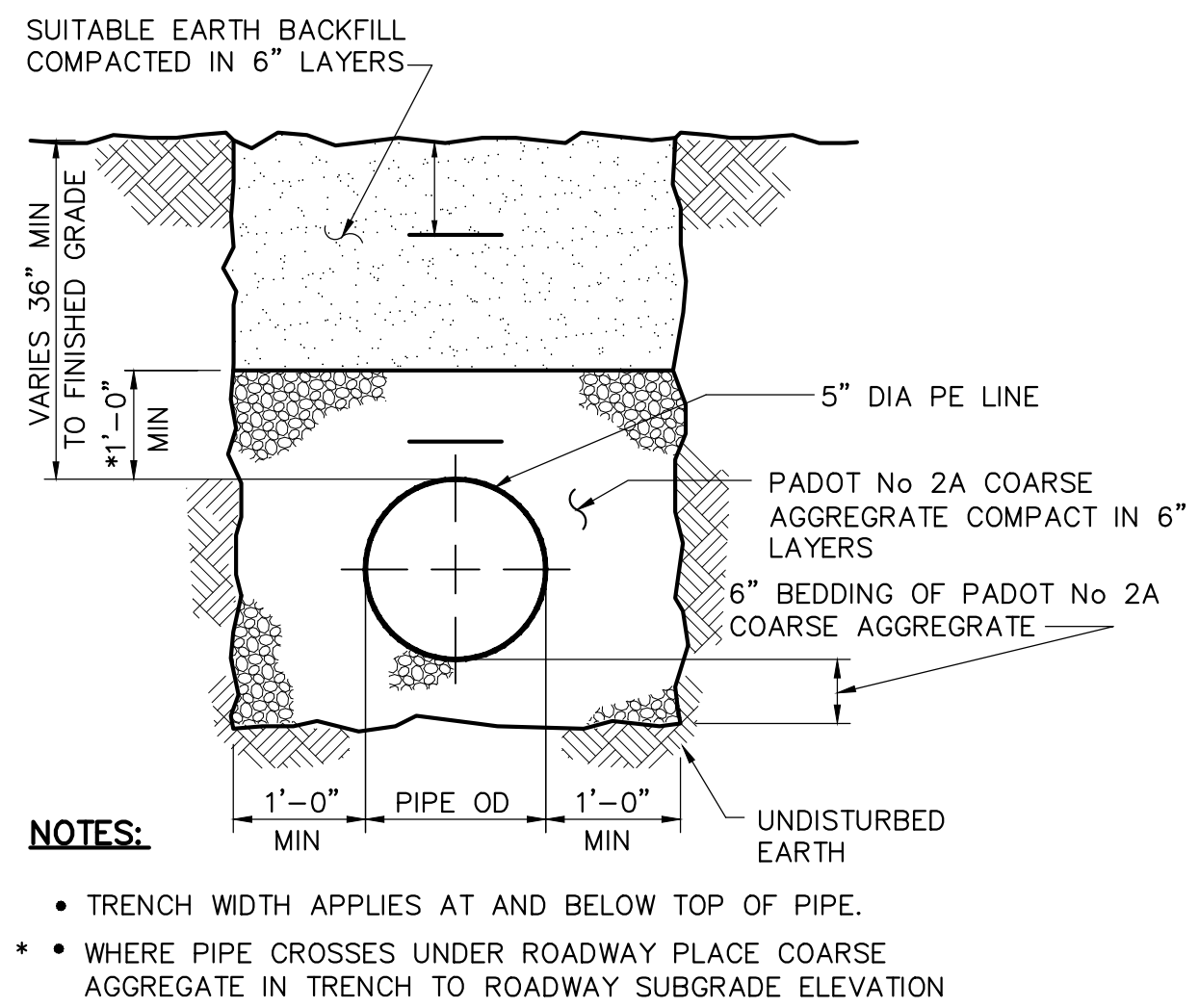
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Details

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Final Land Development Plan
Phase II B

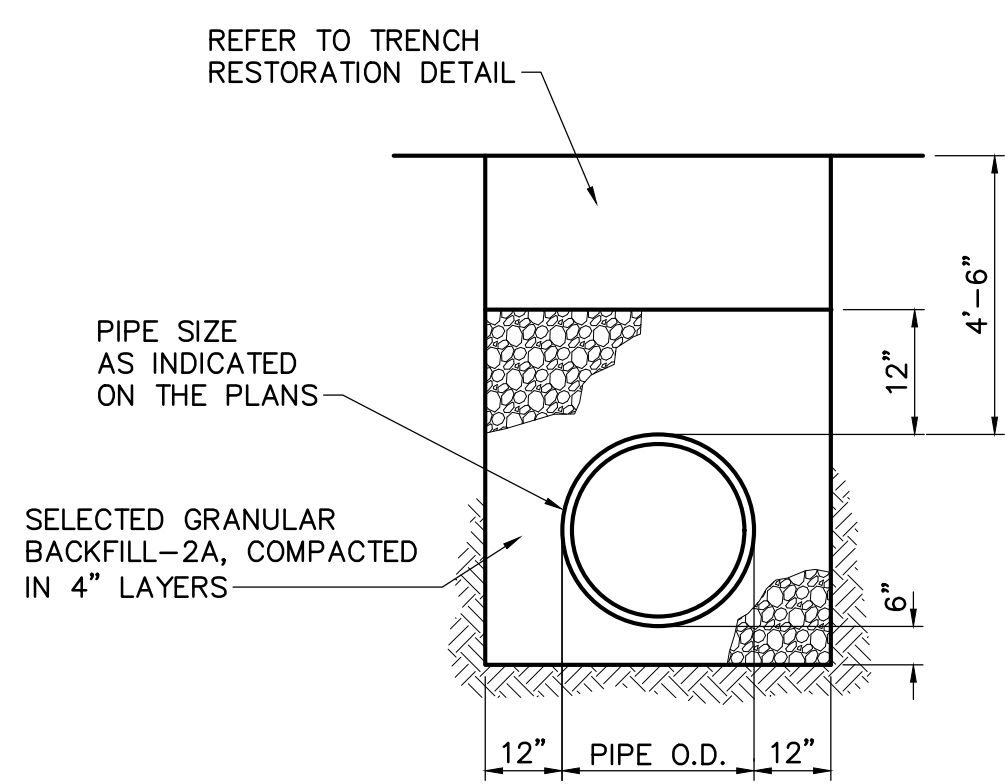
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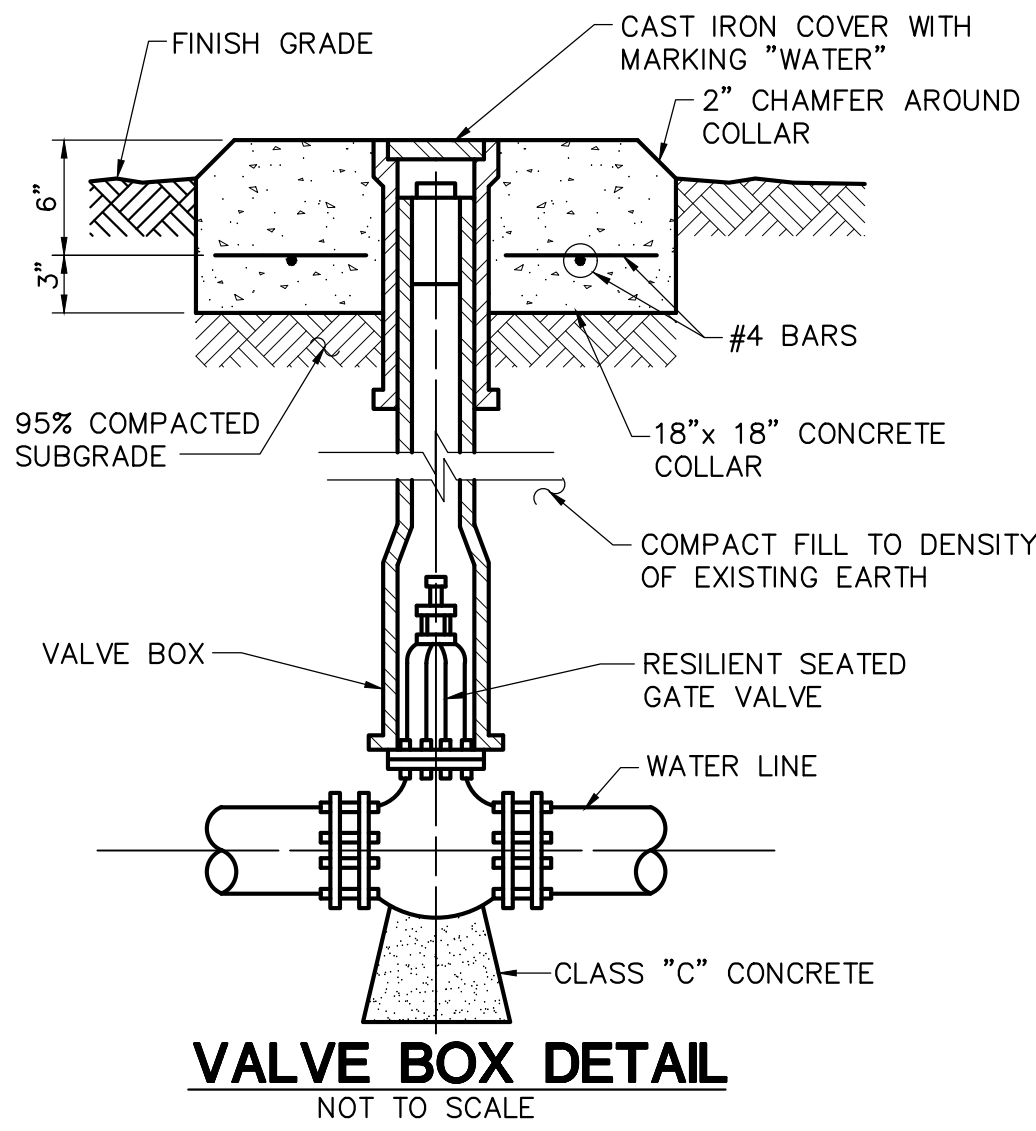
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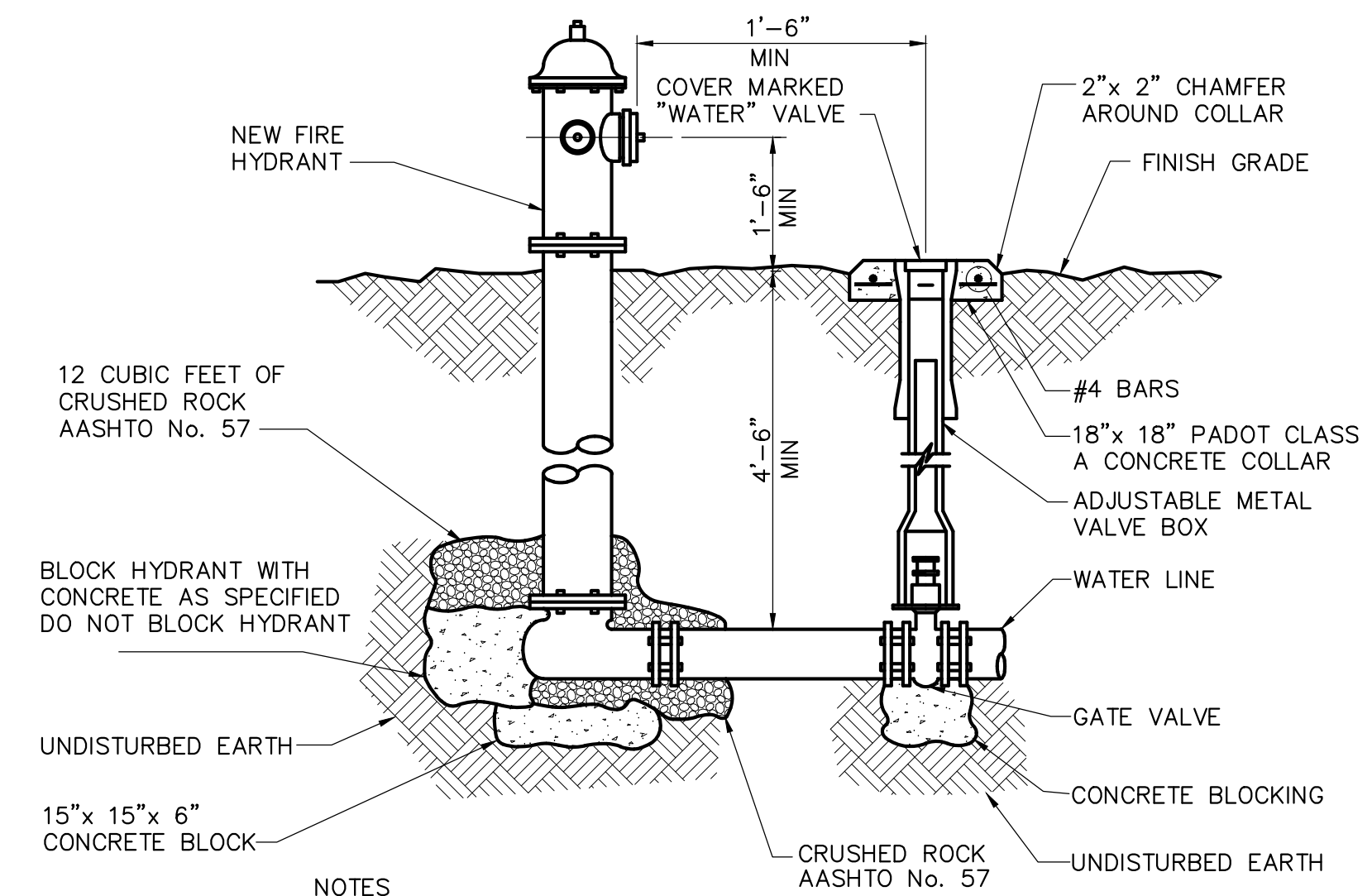
GAS LINE LATERAL SLEEVE INSTALLATION DETAIL
NOT TO SCALE



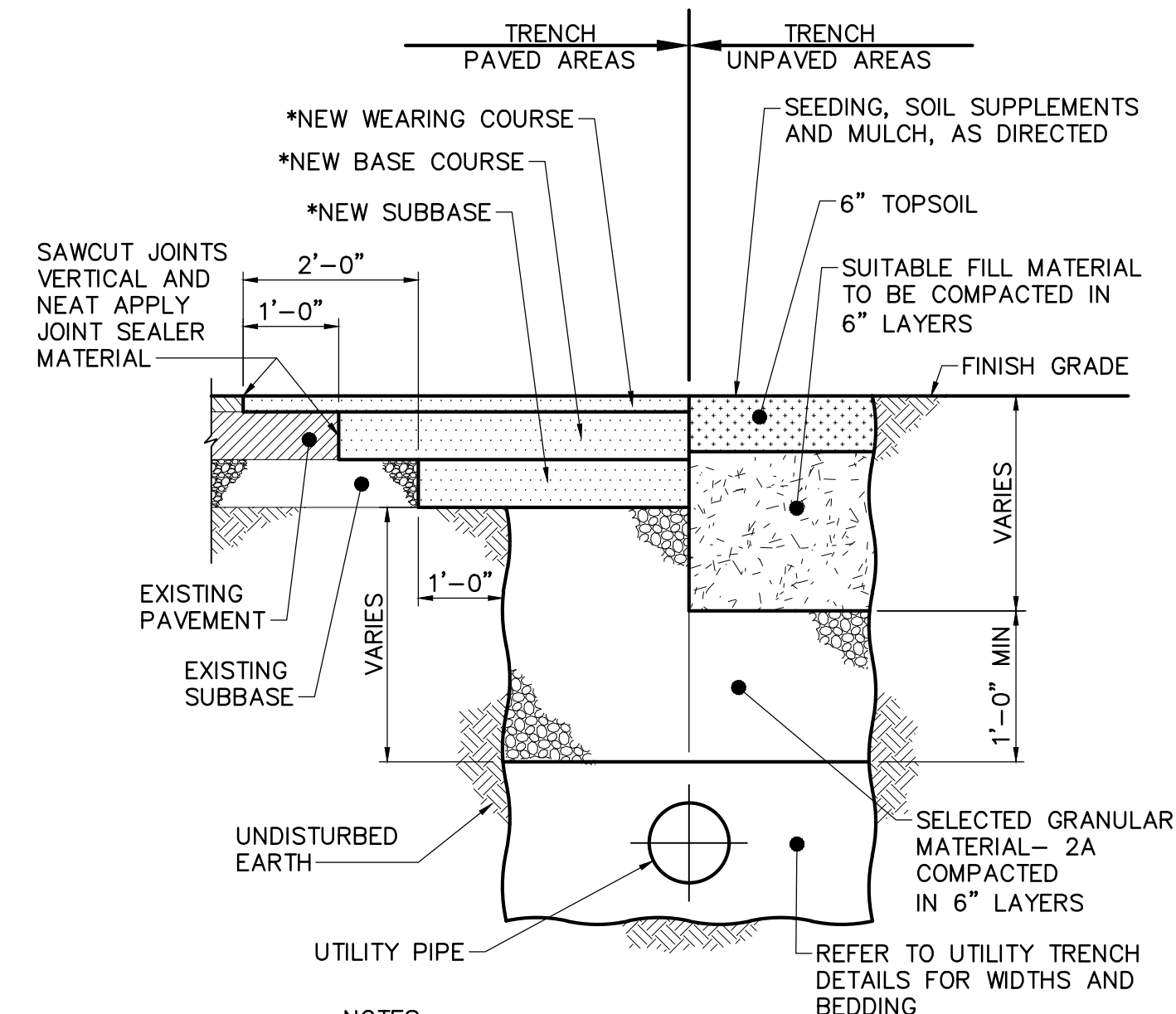
WATERLINE TRENCH
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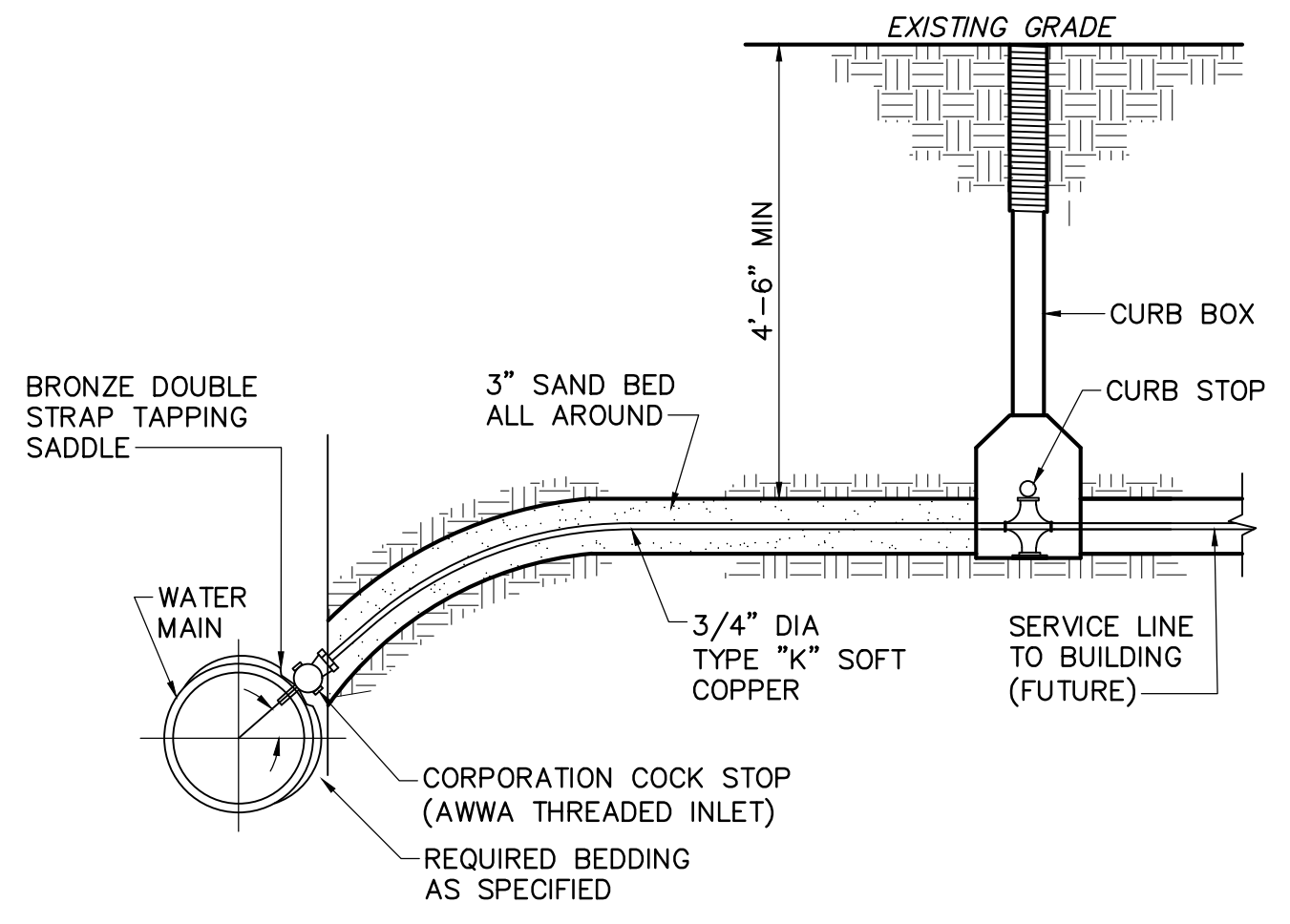
VALVE BOX DETAIL
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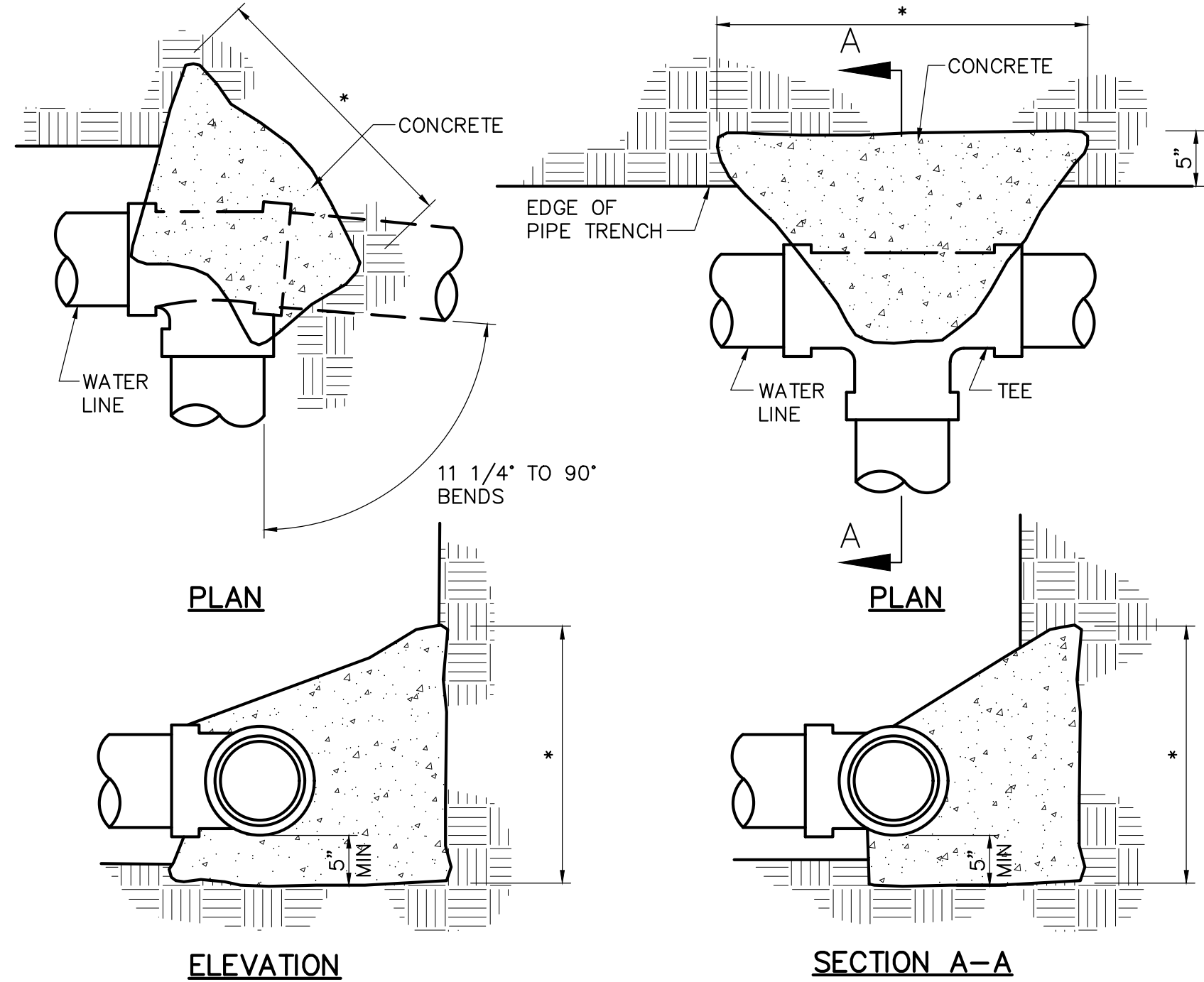
FIRE HYDRANT DETAIL
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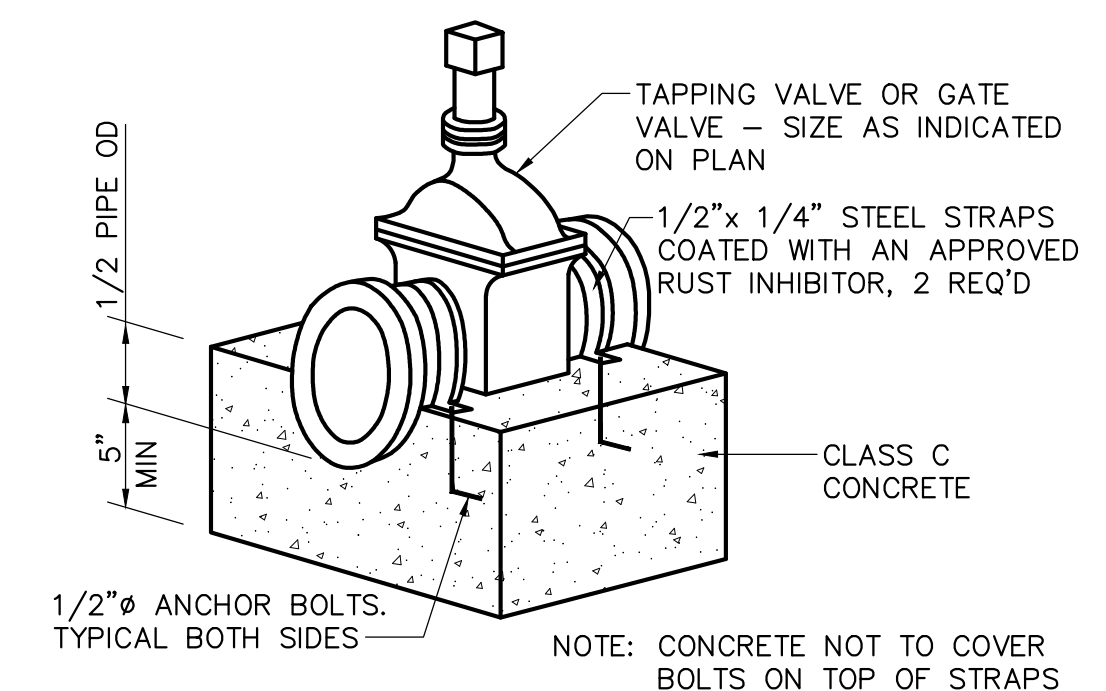
TRENCH RESTORATION DETAIL
NOT TO SCALE



WATER SERVICE CONNECTION
NOT TO SCALE



TEE OR TAPPING SLEEVE
11 1/4°, 22 1/2°, 45°, & 90° BENDS



VALVE BLOCKING DETAIL
NOT TO SCALE

THRUST BLOCK BEARING AREA

PIPE SIZE INCHES	MIN. BEARING SURFACE REQUIRED - S.F.				
	11 1/4° BEND	22 1/2° BEND	45° BEND	90° BEND	TEES & PLUGS
4	1.0	1.0	1.0	1.0	1.0
6	1.0	1.0	1.5	2.5	2.0
8	1.0	1.5	2.5	4.0	3.0
10	1.0	2.0	3.5	6.5	5.0
12	1.5	2.5	5.0	9.0	7.0

THRUST BLOCKING AT 150 PSI WORKING PRESSURE

PIPE SIZE INCHES	MIN. BEARING SURFACE REQUIRED - S.F.				
	11 1/4° BEND	22 1/2° BEND	45° BEND	90° BEND	TEES & PLUGS
4	1.5	1.5	1.5	1.5	1.5
6	1.5	1.5	2.0	4.0	3.0
8	1.5	2.0	4.0	7.0	5.0
10	1.5	3.0	5.5	10.5	7.5
12	2.0	4.0	8.0	14.5	10.5

THRUST BLOCKING AT 200 PSI WORKING PRESSURE

PIPE SIZE INCHES	MIN. BEARING SURFACE REQUIRED - S.F.				
	11 1/4° BEND	22 1/2° BEND	45° BEND	90° BEND	TEES & PLUGS
4	2.0	2.0	2.0	2.0	2.0
6	2.0	2.0	3.0	5.5	4.0
8	2.0	2.5	5.0	9.0	6.5
10	2.0	4.0	7.5	14.0	10.0
12	3.0	5.5	10.5	19.5	14.0

THRUST BLOCKS
NOT TO SCALE



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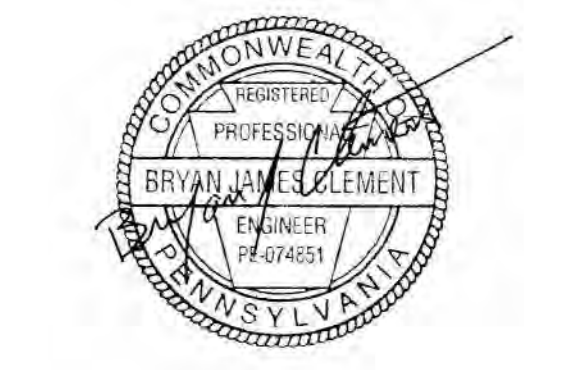
95 South Tenth Street
Pittsburgh, Pennsylvania 15203
tel 412.488.8822
fax 412.488.8825

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Prepared for:
Vartan Group, Inc.
3605 Vartan Way, Suite 301
Harrisburg, PA 17110

Susquehanna Union Green
Susquehanna Township, Dauphin County, PA



Project Number:
18030-1
Drawn by:
LBG/REA
Checked by:
LBG/BJC
Date:
03/05/2021

Revisions:
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Phasing Plan

Progress & Linglestown: TND

Phase	Disturbance (Ac.)	% of Total Development	Required
Phase I	21.72	37%	Minimum 25%
Phase II	13.24	21%	N/A
Phase III	6.25	11%	N/A
Phase IV	6.8	12%	N/A
Phase V	10.98	19%	N/A



LaQuatra Bonci
ASSOCIATES
LANDSCAPE ARCHITECTURE

95 South Tenth Street
Pittsburgh, Pennsylvania 15203
tel 412.489.8822
fax 412.488.8825

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H.F. LENZ
COMPANY
1407 Scalp Avenue
Johnstown, PA 15904
Phone: 814-269-9300
FAX: 814-269-9301



Prepared for:
Vartan Group, Inc.
3605 Vartan Way, Suite 301
Harrisburg, PA 17110

Susquehanna
Union Green
Susquehanna Township,
Dauphin County, PA



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DM/VT
Checked by:
FB/DM
Date:
April 5, 2019

Revisions:
June 7, 2019
August 14, 2019
March 5, 2021

Scale:
1"=100'
SCALE: 1" = 100'-0"

Sheet Name:
Phasing Plan

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Final Land Development
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tel 412.488.8822
fax 412.488.8825

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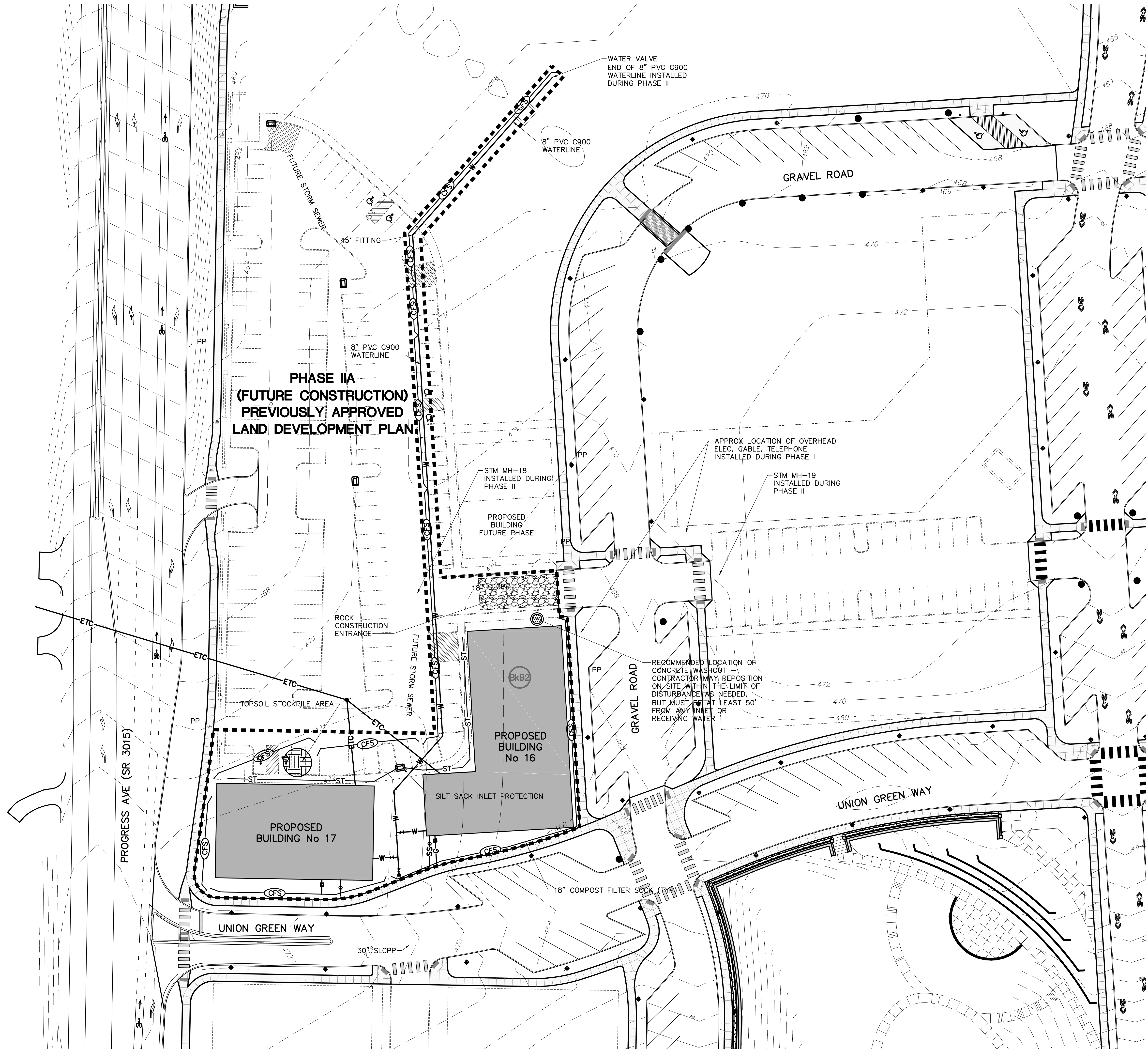
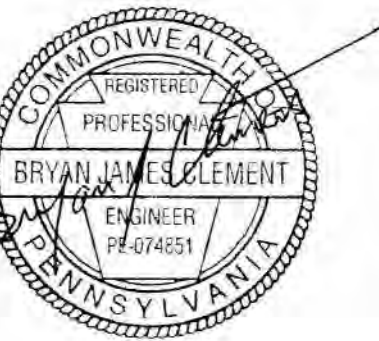


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3605 Vartan Way, Suite 301
Harrisburg, PA 17110

Susquehanna Union Green

Susquehanna Township, Dauphin County, PA



**PHASE IIA
(FUTURE CONSTRUCTION)
PREVIOUSLY APPROVED
LAND DEVELOPMENT PLAN**

LEGEND

- 470 — EXISTING CONTOUR
- — LIMIT OF CONTRACT FOR BUILDING No. 3
- CFS — 18" COMPOST FILTER SOCK
- Bk/B2 — SOIL DESIGNATION
- [Symbol] — TOPSOIL STOCKPILE AREA
- [Symbol] — CONCRETE WASHOUT
- [Symbol] — SILT SACK INLET PROTECTION

SOIL TYPES SUMMARY

LABEL	DESCRIPTION	SLOPE
Bk/B2	BERKS SHALY LOAM	3 TO 8

NOTE:

- CONTRACTOR IS RESPONSIBLE FOR CLEANING MUD, DIRT AND DEBRIS CARRIED ONTO PUBLIC ROADWAYS FROM THE JOB SITE ON A DAILY BASIS OR AS DIRECTED BY SUSQUEHANNA TOWNSHIP REPRESENTATIVES.
- THE OWNER IS RESPONSIBLE FOR FORWARDING COPIES OF ALL COUNTY CONSERVATION DISTRICT INSPECTION REPORTS AND NOTICES ISSUED FOR THIS PROJECT TO SUSQUEHANNA TOWNSHIP.

NOTE

- REFER TO SHEET No. ES200 & ES201 FOR ALL EROSION AND SEDIMENTATION CONTROL DETAILS.

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18030-1

Drawn by:
LBG/REA

Checked by:
LBG/BJC

Date:
03/05/2021

Revisions:
1.

Scale:
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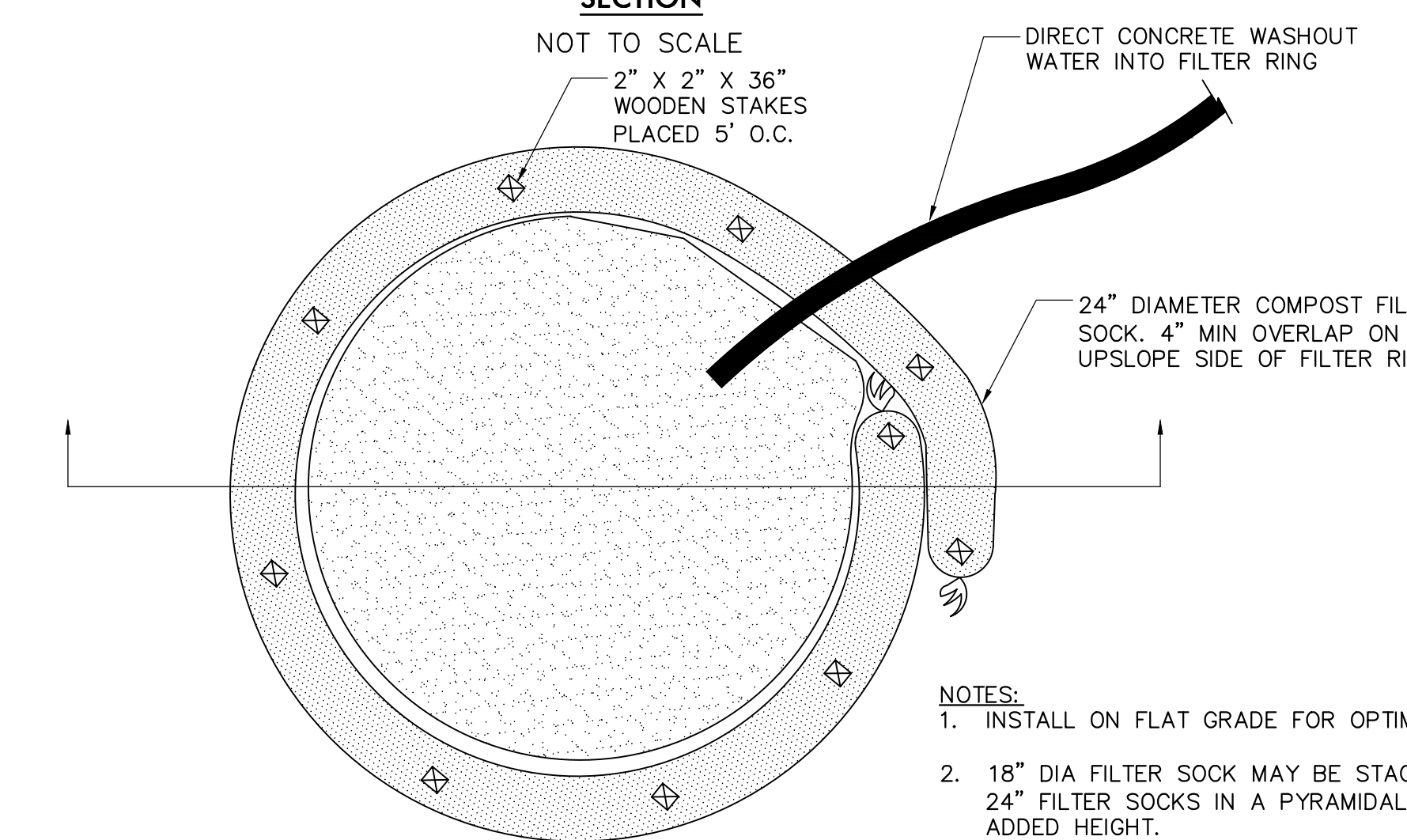
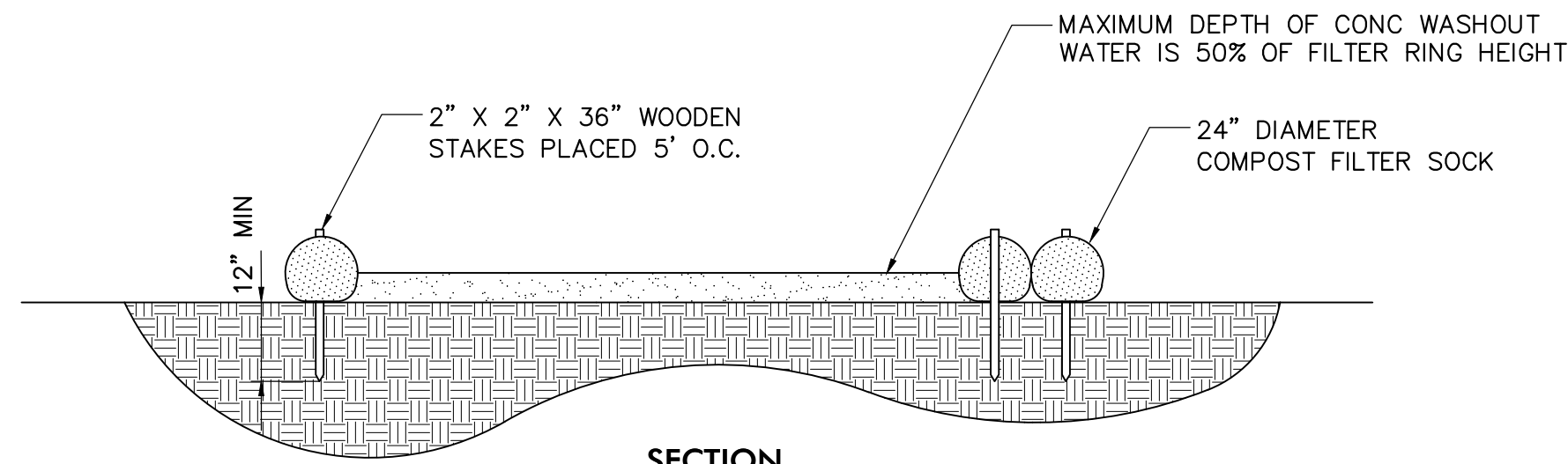
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Erosion & Sedimentation Control Plan
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ES100

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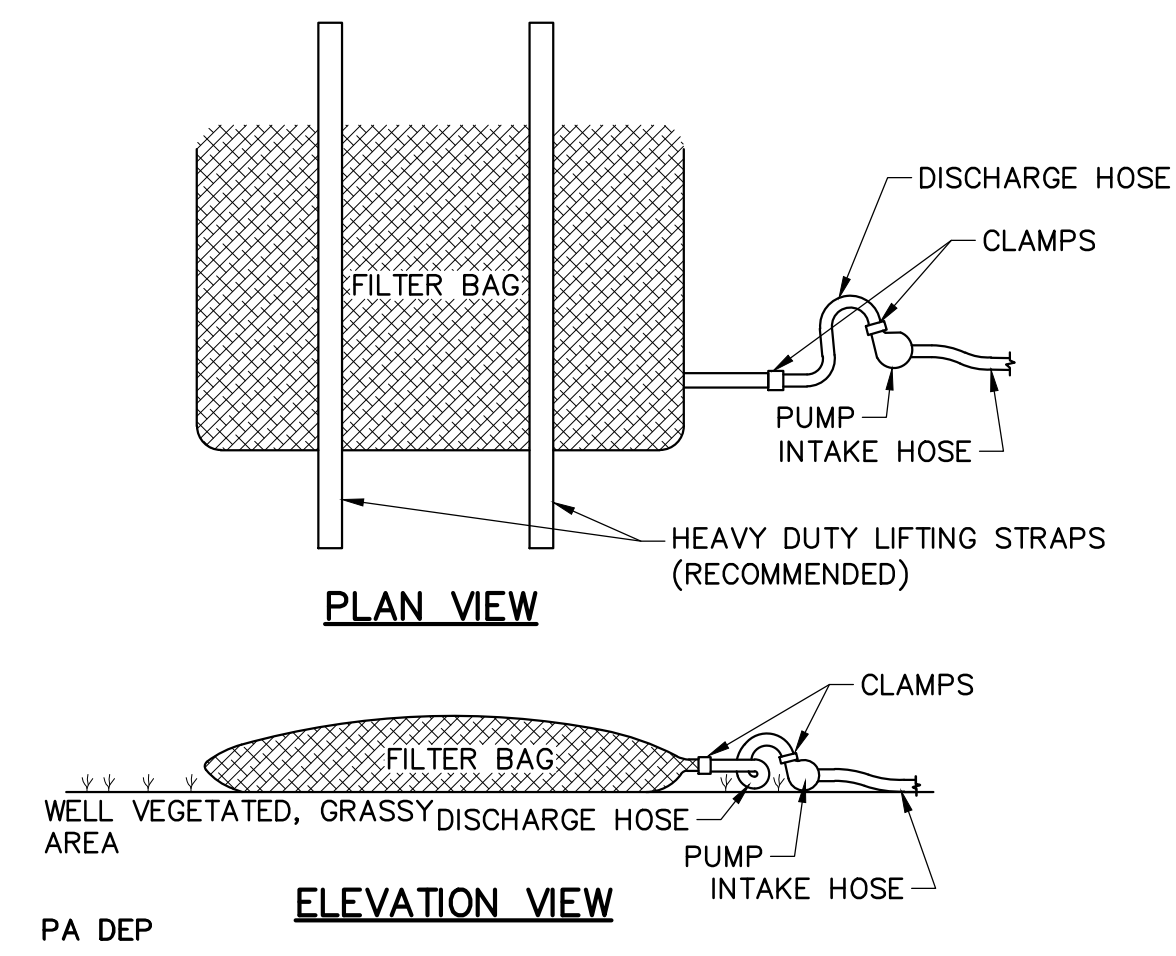
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- NOTES:**
1. INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE
 2. 18" DIA FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" FILTER SOCKS IN A PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.
 3. A SUITABLE IMPERVIOUS GEOMEMBRANE SHALL BE PLACED AT THE LOCATION OF WASHOUT PRIOR TO INSTALLING THE FILTER SOCKS.

TYPICAL COMPOST SOCK WASHOUT INSTALLATION

NOT TO SCALE



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

FILTER BAG DETAIL FOR PUMPED WATER

NOT TO SCALE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/3 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.

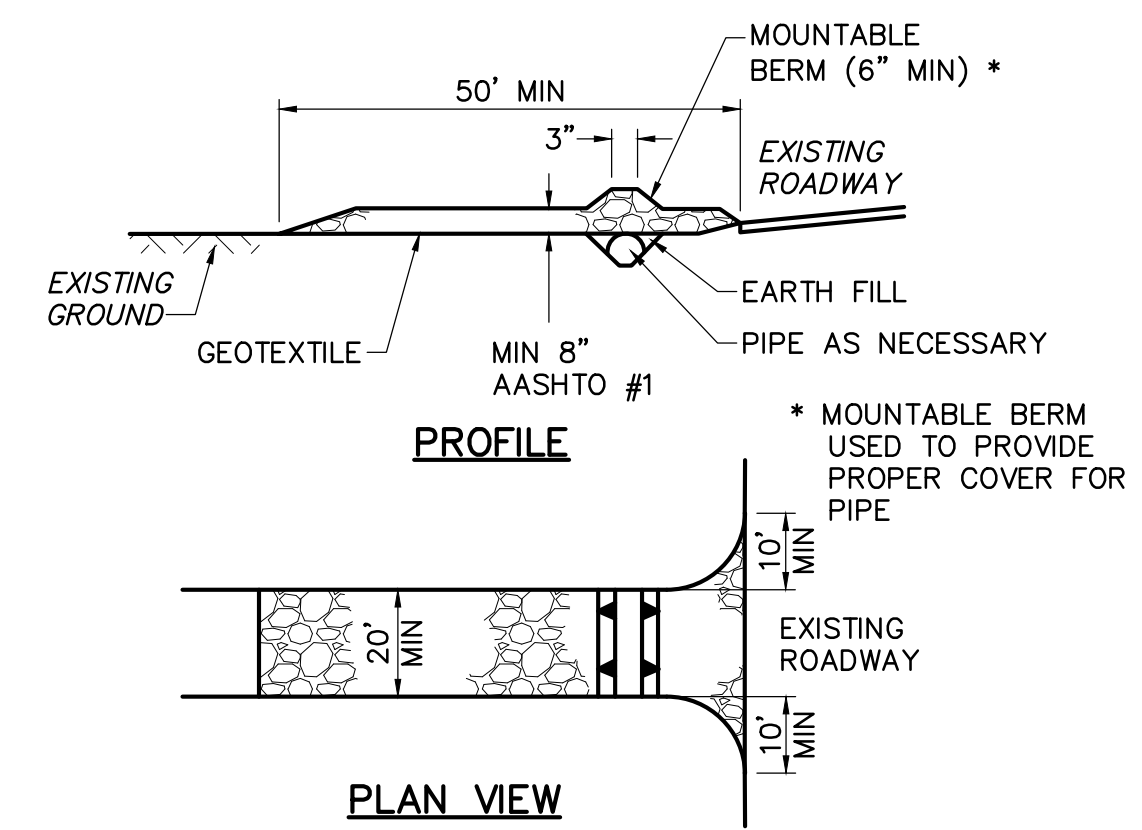
BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER 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 1/3 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.



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

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

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

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

(SCD #3-1)
ROCK CONSTRUCTION ENTRANCE



LaQuatra Bonci ASSOCIATES
LANDSCAPE ARCHITECTURE

95 South Tenth Street
Pittsburgh, Pennsylvania 15203
tel 412.488.8822
fax 412.488.8825

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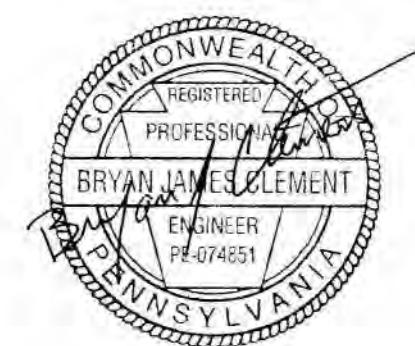


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3605 Vartan Way, Suite 301
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Susquehanna Union Green

Susquehanna Township, Dauphin County, PA



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Kim Genetti
4211 East Park Circle
Harrisburg, PA 17111
(717) 920-6320
(717) 564-0448
Kim.genetti@suez-na.com

BY:

September 25, 2017

Raundenbush Engineering, Inc.
Mr. Jason Wolfe, RLA, ASLA
29 South Union Street
Middletown, PA 17057

SUBJECT: Ability to Serve Proposed Subdivision:
Progress and Linglestown TND
Susquehanna Township, Dauphin County, PA

Dear Mr. Wolfe:

This is to acknowledge that Suez Water Pennsylvania (SUEZ) has received your request for water service for the above site and determined that it is within SUEZ's existing franchise area. Water service to the proposed site will be provided by connecting to the existing watermain located in Progress Avenue, Linglestown Road, and Old Post Road and extending the watermain through the proposed subdivision along the frontage of all proposed lots.

The cost of this extension along with all on site water infrastructure will be at the owner/developers expense. With the extension of this water main, SUEZ would be able to provide water pressure and capacity to serve your site.

A SUEZ specified meter pit/vault will be required for each service in the proposed subdivision. The meter pit/vault must be installed as part of the water system prior to SUEZ's acceptance of the water system. The meter pit/vault must be installed within 5 feet of the service curb stop. The curb stop must be installed on the public right-of-way line as designed by SUEZ. The meter pit/vault must be installed in a non-traffic area.

Service will be provided in accordance with the terms and conditions set forth in SUEZ's filed Pennsylvania Utility Commission (PUC) Tariff, as amended or modified from time to time. All SUEZ facilities must be installed by a SUEZ Pre-qualified Contractor.

The next step in SUEZ providing service to the proposed site requires submittal of a package containing the following items:

- An electronic copy of the final approved subdivision plan in AutoCAD 2017 or earlier,
- A hard copy of the approved subdivision plan signature page,
- Complete and return the enclosed SUEZ Fixture Count sheet. This information will be used to determine the size of the domestic water service line and meter required for this property,
- A letter from the local municipality official approving all proposed fire hydrant locations and that the local municipality agrees to pay SUEZ the monthly fee for any public fire hydrants when the water facilities are complete and accepted by SUEZ,



- If a fire suppression system is required, a letter stating the required fire service size must be submitted to SUEZ by the owner or owner's representative,
- If a fire flow test is required the enclosed Fire Flow test form must be completed and returned to SUEZ along with a check for \$100.00
- A check for \$1,000 payable to Suez Water Pennsylvania which covers the costs of water main design. The \$1000 is non-refundable; however, it will be applied to the final cost of the project.

Enclosed is an information package including a sample water main extension agreement, SUEZ's pre-qualified contractor list, the procedures and cost associated with developer projects, the meter sizing form, a fire flow test form, and a list of SUEZ contacts.

This project will be scheduled for design when the complete submittal package is received by SUEZ.

This letter will expire on September 25, 2018. Upon expiration, a new request for ability to serve must be submitted to SUEZ.

Best regards,

A handwritten signature in blue ink that reads "Kim Genetti".

Kim Genetti

Engineering Administrative Assistant

2017

DEVELOPER
INFORMATION
PACKAGE



SUEZ WATER PENNSYLVANIA INC.
4211 East Park Circle
Harrisburg, PA 17111

**WATER MAIN EXTENSION AGREEMENT FOR A
NON BONA FIDE CUSTOMER**

between

**SUEZ Water Pennsylvania Inc.
4211 East Park Circle
Harrisburg, PA 17111**

and

**Developer Name
Address
City, State, Zip Code**

for

**SUEZ Water Project # XXXXXX
Project Name
Township, County**

**WATER MAIN EXTENSION AGREEMENT FOR A
NON BONA FIDE CUSTOMER**

C.E.A. No. CXXXXXX

THIS AGREEMENT, made this ____ day of _____, 201__ by and between **Developer Name, Address, City, State, Zip Code** (hereinafter called the "APPLICANT"), and **SUEZ WATER PENNSYLVANIA INC.**, 4211 East Park Circle, Harrisburg PA 17111, a Pennsylvania Corporation, (hereinafter called the "COMPANY").

WHEREAS, the Applicant has requested the Company to extend its water mains to service areas or property, the dimensions and locations of which do fully and accurately appear on a certain plan attached to this agreement, made a part hereof and marked Exhibit "A"; and,

WHEREAS, Company has determined that the potential revenues from such extension are such as to make it economically unfeasible for the Company to assume all of the initial cost; and,

WHEREAS, the Applicant is willing and desires to assist in the installation of such extension and desires initially to bear the cost thereof, and the Company is willing to reimburse the Applicant for the cost of said extension to the extent and in the manner hereinafter set forth.

NOW, THEREFORE, IN CONSIDERATION OF THESE PRESENTS, the parties, intending to be legally bound hereby, mutually promise, covenant and agree as follows:

First: Prior to the execution of this Agreement, the Applicant hereby agrees to give to the Company, a written estimated cost for the water main extension including mains, services, fire hydrants and other appurtenances. Further, the Applicant hereby agrees to deposit with the Company an amount in cash equal to the Company's construction overhead percentage rate of the total estimated cost of the water main extension and any additional facilities, as well as the gross up effect of any taxes as may be levied on the installed facilities. The Applicant also hereby agrees that the installation and materials selected for the extension shall conform to the Company's specifications.

(1) The Estimated Cost shall be the estimated cost of the extension, including the mains, valves, services, fire hydrants and the estimated cost of any other facilities which the Company shall have decided are required to render adequate service. Costs for additional facilities, such as booster pumps, storage tanks and the like are Contributions in Aid of Construction, which shall not be subject to refund.

(2) The Per Customer Refund Amount shall be for each additional permanent customer for whom a metered service connection shall be directly attached to applicant's main extension. Except that no refund shall be paid with respect to the attachment of an applicant if the applicant is a bona fide service applicant. The amount of the Per-customer Refund shall be determined as follows:

A. For attachments and connections made during the first three years following the date of the Agreement, the refunds will be equal to two (2) times the first year's

calculated average annual revenue received from each residential customer, or the calculated annual revenue of that customer's class. The residential revenue shall be calculated on the average annual revenue for residential customers. Townhouses, apartments, and other multifamily customers may be refunded based on their first year's actual revenue or calculated based on their ERC.

- B. For attachments made during the fourth and subsequent years following the date of the Agreement, the refund shall be equal to the first year's annual revenue of that customer as explained in (A.) above.
- C. Prior to the execution of this Agreement, a Preliminary Memorandum in the form attached to this agreement shall be prepared by the Applicant and signed by both parties showing the estimated cost and deposit required in accordance with the foregoing provisions. Upon completion of the installation of the extension, a Final Memorandum in the form attached to this agreement shall be prepared by the Applicant and signed by both parties showing the actual cost and the company's construction overhead costs and taxes on the same calculation as set forth above but by using the actual cost of the extension including the mains, services, fire hydrants and other appurtenances. If the required company's actual construction overhead costs and taxes shown to be due on the Final Memorandum differs from the estimated construction overhead costs and taxes shown on the Preliminary Memorandum, then the construction costs will be adjusted. The Applicant will deposit any additional amount shown to be due, without interest within 30 days of notification of said adjustment, or the Company will refund to the applicant any excess amount shown to have been deposited without interest, it being the intent of this Agreement that the Company's construction overhead costs shall be based on actual installation costs. Failure to make any such additional deposit may result in water service being refused or discontinued subject to Pennsylvania Public Utility Commission regulations.

Second: The Applicant, upon receipt of the signed agreement and the Company approved estimated amount for the water main extension, will begin the installation of the water main extension, together with the necessary valves, service lines, fire hydrants, fittings and other appurtenances, all to be installed by a Contractor approved by the Company at locations and places more fully and completely described on attached Exhibit "A".

Third: The Company agrees that the above water main extension shall be as described in the attached Exhibit "A". The Customer's service lines shall be of such sizes and in such locations as shall be agreed to by the Company and shall terminate immediately inside the curb line or at the limits of private rights-of-way.

Fourth: The Applicant covenants and agrees that the Applicant will indemnify the Company against any and all loss or damage which the Company may suffer as a result of any damage to its water mains, service lines, or fire hydrants by the Applicant, Applicant's employees, agents, servants, workmen or any contractors or subcontractors employed by the Applicant: (a) in the development of and construction upon the lots or properties abutting upon

the streets or rights-of-way in which water mains are to be constructed pursuant to this agreement; or, (b) in the construction and surfacing of any of the streets in which water mains are to be installed pursuant to this Agreement.

Fifth: The Applicant covenants and agrees that the Applicant will secure, at Applicant's sole cost and expense, the approval (if any be required) of the proper regulatory governmental body having jurisdiction thereof as to the established subgrades of the streets or rights-of-way in which water mains are to be installed pursuant to this Agreement.

Sixth: Applicant will grant to the company an irrevocable easement, at no cost to Company, for the maintenance, operation, repair and replacement of said main extension, services, fire hydrants and appurtenances within the limits of any existing or proposed street, avenue, roadway, private property or easement area, together with right of ingress and egress thereto, in a form satisfactory to the Company and duly executed and acknowledged in proper form for recording.

Seventh: It is further understood and agreed by and between the parties hereto that the Applicant's agreement to construct the said extension is subject to the Applicant obtaining all necessary consents, orders, permits and approvals of public officers or public bodies having jurisdiction over or lawful interest in any of the subject matters herein. In the event that the Applicant, after prompt application and diligent effort is unable to obtain any necessary consent, order, permit or approval as aforesaid, or in the event that the Applicant is enjoined or prevented by lawful action of any such public officer or official body from constructing the said extension, the Company's sole obligation will be to repay the Applicant the amount advanced for the Company's construction overhead costs less the cost which is incurred by the Company in conjunction with the main extension and appurtenances which are the subject of this Agreement.

Eighth: Applicant agrees that before the commencement of work, the Applicant will clearly mark upon the ground by means of stakes or in some other equally positive manner the exact lines and grades to which the street, highway, or land in which the said water pipes are to be laid is to be finally built and that he will grade the said street, highway, or land so that it will be at all points within less than one (1') foot of the above finished grades before the work of installing the said water pipes. The Company, however, shall not permit the Applicant's contractor to lay pipes according to lines or grades of which the Company does not approve. And it is agreed that any time, prior to the dedication and acceptance as a public street or highway by the governing body of any street or highway under which water mains are laid in conformity with this agreement it shall become necessary to change or move the said pipes or their appurtenances by reason of any change or alteration in the lines or grades of the street, highway, or land in which they are laid, then the expense of such change or moving of said pipes and their appurtenances, and any other expense incidental thereto, shall be borne by Applicant. And its also agreed that the applicant shall supply the company with an accurate "as built" set of plans for the construction project certified by a professional engineer or professional surveyor. The As-built plans must clearly show all fittings, valves, bends, hydrants, blow off assemblies, and service lines and include GPS coordinates as specified in the latest version of the Company's standard specifications for main installation. All appurtenances must be located using station numbers and or electronically coordinates referenced to a point established by a registered surveyor or engineer. Roadway stations are not acceptable for

as built information. The final As-Built plan must be supplied to the Company in an acceptable format (currently AutoCad.dwg). A letter from the applicant's Engineer of Record certifying that the As-Built information is correct must accompany the electronic submission before the Company approves the As-Built.

Ninth: It is agreed by Applicant that the Applicant will not build at any time hereafter on, in, or over the said easement any structure, the construction or presence of which will endanger or render ineffective or difficult of access the water pipes or appurtenances of the Company, or lay other pipes or conduits within four (4') feet or ten (10) feet in the case of sewer mains measured horizontally, from the said water pipe except pipes crossing same at right angles in which latter case a minimum distance of eighteen (18") inches shall be maintained between the pipes. No excavation or blasting shall be carried on which in any way endangers the said water pipes. Provided, however, that should the Applicant wish to do so it may, at its own expense, provide a new location acceptable to the Company for the said water pipes and the Applicant's contractor will then move said water pipes and appurtenances to said new location, and the whole cost of such moving and altering and any expense incident thereto, shall be borne by the Applicant.

Tenth: After acceptance by the Company, the water main extension as hereinbefore described with the necessary valves, connections, fittings and other appurtenances shall be the property of the Company and no charge or lien upon them shall arise as a result of the refund agreement set forth in Paragraph Twelfth hereof. The Company shall also have the right, by virtue of its ownership of said extensions, to make any additions to or extensions to said extension in its sole and absolute discretion.

Eleventh: Upon the completion of the aforesaid water main extension the Company, upon proper application shall provide water service to customers located along said extension in accordance with the rules and regulations of its published tariff.

Twelfth: The Company hereby agrees to refund to the Applicant during the period of ten (10) years from actual date of the agreement a per-customer refund amount for each additional Non Bona Fide Customer for whom a service connection shall be directly attached to such main extension, as distinguished from main extensions thereof; provided however, that the total amount refunded shall not exceed the total actual cost, and that all or any part of the deposit not refunded within said 10 year period shall be considered a contribution to the Company.

Thirteenth: It is agreed between the parties hereto that the Applicant shall execute this agreement within thirty (30) days from the date upon which this agreement is transmitted to the Applicant and that upon the failure of the Applicant to execute within the time mentioned, this agreement shall be void at the option of the Company.

Fourteenth: This agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the respective parties, however, it is understood and agreed between the parties hereto that the right to receive payment of refunds under the terms hereof shall be personal to the Applicant and the same shall not be assigned either as collateral security or otherwise.

IN WITNESS WHEREOF, the Applicant has hereunto set his hand and seal and the Company upon proper authority of its Board of Directors has caused this agreement to be executed by its Vice President, all on the day and year first above written.

WITNESS:

APPLICANT:

Signature and Title

Print Name and Title

WITNESS:

SUEZ WATER PENNSYLVANIA INC.

John D. Hollenbach - Vice President

SAMPLE ONLY

COMMONWEALTH OF PENNSYLVANIA)
) SS:
COUNTY OF)

On this, the ____ day of _____, 201__ before me a Notary Public,
_____ (Name and Title) personally appeared
before me, a Notary Public, in and for said County and State, who acknowledged himself/herself
to be (or satisfactorily proven to be) the person whose name is subscribed to the within
agreement and that the signing of same was his act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Notary Public

My Commission Expires:

COMMONWEALTH OF PENNSYLVANIA)
) SS:
COUNTY OF DAUPHIN)

On this, the ____ day of _____, 201__ before me, a Notary Public, the undersigned
officer, personally appeared John D. Hollenbach who acknowledged himself to be the Vice-
President and General Manager of SUEZ Water Pennsylvania Inc. and that as such officer, being
authorized to do so, executed the forgoing instrument for the purpose therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Notary Public

Suez Water Pennsylvania Inc.
Harrisburg/Mechanicsburg
Pre-Qualified Water Main Construction
Contractors

Abel Construction Co., Inc.

Attn: Troy Abel, Pres.
P.O. Box 476
Mountville, PA 17554
Telephone No. (717) 285-3103
Fax No. (717) 285-2321
www.abelconst.com

Bottom Line Contracting, Inc.

Attn: Craig Hasson
952 Log Cabin Road
Leola, PA 17540
Telephone No. (717) 626-1621
Fax No. (717) 626-7209
craig@blconstruction.com

Ebersole Excavating, Inc.

Attn: Jeff Ebersole
3224 Elizabethtown Road
Hershey, PA 17033
Telephone No. (717) 367-3597
Fax No. (717) 367-5692
JeffEbersole@comcast.net

DH Funk & Sons LLC

Attn: Shawn Hershey/ Dwayne Brown
3995 Continental Drive
Columbia, PA 17512
Telephone No. (717) 684-0708
Fax No. (717) 684-0727
Dbrown@DHFunk.com

E.K. Service, Inc.

Attn: Mr. Ken Beinhower, Sr.
260 Old York Road
New Cumberland, PA 17070
Telephone No. (717) 774-7913/ 554-9883
Fax No. (717) 774-7917
Kbeinhower@EKServiceinc.com

John W. Gleim, Inc.

Mr. John Gleim, Jr. / Dave Shatto
625 Hamilton Street
Carlisle, PA 17013
Ph: (717) 243-7160
Fax: (717) 243-3617
dshatto@jwgleim.com

Hampton Construction, Ltd.

Attn: Rodney Coy/ Scott Markel
2 Taylor Boulevard
PO Box 814
New Kingstown, PA 17072-0814
Telephone (717) 730-5454
Fax No. (717) 766-1813
Smarkel@hamptonconstructionltd.com

J. L. B. Construction, Inc.

Attn: Jeffrey Bonawitz, Pres.
13 Mill Street
Hershey, PA 17033
Telephone No. (717) 533-3373
Fax No. (717) 534-9044
JLBJeff@comcast.net

JVH Excavating, Inc.

Scott Gergal
700 Ayers Avenue
Lemoyne, PA
Telephone No. (717) 253-3528/ 737-4820
Fax No. (717) 724-0757
jvhexcavating@pa.net
scott@JVHexcavating.com

Keystone Contractors

Attn: Rick Jones
51 Cove Road
Duncannon, PA 17020
Ph: (717) 834-9900/ 443-9738
Fax: (717) 834-9990
KCifrisch@aol.com

Kinsley Construction, Inc.

Attn: Brian Babula
2700 Water Street
York, PA 17403
Telephone No. (717) 741-3841/ 577-9399
Fax No. (717) 741-8426

GMyers@RKinsley.com 717-324-2010

B.R. Kreider & Son, Inc.

Roger Armstrong
63 Kreider Lane
Manheim, PA 17545
Ph: (717) 898-7651
Fax: (717) 898-0759
rarmstrong@brkreider.com

Pre-Qualified Contractors Continued

LGH Construction, Inc.

Mr. Jim Martin/ R. Martin
4 Helen Avenue
Ephrata, PA 17522
Ph: (717) 733-3545/ 490-9057
Fax: (717) 733-6520
Jimlgh@ptd.net
Mart0357@gmail.com

Liberty Excavators

Mike Pifer/ Nate Carpenter
4402 Gettysburg Road
Camp Hill, PA 17011
Ph: (717) 443-4062
Fax:
mpifer@libertyinc.net
ncarpenter@libertyinc.net

Main Line Excavating, Inc.

Wayne Stevens
2325 Paxton Church Road
Harrisburg, PA 17110
Telephone No. (717) 909-5578
Fax No. (717) 540-7958
wstevens@mlexc.com

Robert – Thomas Construction, Inc.

Attn: Mr. Robert Snyder
P. O. Box 413
Hershey, PA 17033-0413
Telephone No. (717) 664-4094
Fax No. (717) 664-4139

Rogele, Inc.

Attn: Mr. Dennis McClure
1025 S. 21st Street
P. O. Box 1757
Harrisburg, PA 17105-1757
Telephone No. (717) 564-0478
Fax No. (717) 564-5179

Stewart & Tate

Brian Becker/ Allen Myers
950 Smile Way
York, PA 17404
Telephone No. (717) 771-3596
Fax No. (717) 854-6242
B.Becker@stewartandtate.com
amyers@stewartandtate.com

Springfield Contractors, Inc.

Matt Eyster
290 Seaks Run Road
Glen Rock, PA 17327
Telephone No. (717) 235-6830
Fax No. (717)235-0101
Matt@springcon.com

H. L. Wiker and Sons, Inc.

Attn: Keith Pinker/ Dennis Fenninger
709 Hartman Station Road
P.O. Box 1105
Lancaster, PA 17605-4580
Telephone No. (717) 509-4580/ 509-5125
Fax No. (717) 509-4592
dfenninger@hlwiker.com

York Excavating Co. Inc.

Eric Yun
1010 Plymouth
York, PA 17402
Ph: (717) 755-0607
Fax: (717) 755-4457
eric@yecoi.com

Charter Homes Building Co (CH&N Construction)

Matt Eshelman
1190 Dillerville Road
Lancaster, PA 17601
Ph: (717) 560-1138/490-8020
meshelman@chnsite.com

R.L. Livingston Excavation & Paving, Inc.

Rick Livingston/ Corey Laughman
1 Blair Mountain Road
Dillsburg, PA 17019
Ph: (717) 665-6776
Fax: (717) 664-4201
RL@RLLivingston.com
Corey@R.L.Livingston.com

T & D Excavating

David Wolgemuth
1940 E. Mount Hope Road
Manheim, PA 17545
Ph: (717) 665-6776
Fax: (717) 664-4201
Tdexec@pdexc.com

Pre-Qualified Contractors Continued

Fidelity Contracting, LLC

Attn: Steve Keech
742 North Manor Road
Elverson, PA 19520
Telephone No. 610-816-0704
Fax No. 610-816-0705
stevekeech@fidelitycontracting.com

J. F. Kiely Construction Co.

Attn: Douglas Hulse
700 McClellan Street
Long Branch, NJ 07740
Ph: (732) 403-8500 x209
Fax: (732) 222-3051
Cell: (732) 677-8589
www.jfkielyservice.com
dhulse@jkiely.com

SUEZ

4211 East Park Circle, Harrisburg, PA 17111
Tel: 717 901-6320 • Fax: 717 564-0448

Procedures and Costs associated with Developer Projects

The first step in obtaining water service from SUEZ is to submit a request for an Ability to Serve letter. The request must include a letter requesting the ability to serve, a general layout of the subdivision plan including site contours, a location map for the proposed subdivision site, and directions to the proposed subdivision site.

SUEZ will evaluate the proposed subdivision and determine if any upgrades or modifications to the existing SUEZ water system will be required to provide adequate service to the new subdivision. Upon completion of the evaluation SUEZ will issue an Ability to Serve letter. The letter will state the conditions of service for the proposed subdivision.

The next step in SUEZ providing service to the proposed development requires submittal of a design package containing the following items:

- An electronic copy of the final approved subdivision plan and survey of the off-site watermain extension route, if required, in AutoCAD 2017 or earlier,
- A copy of the approved subdivision plan signature page,
- A letter from the local municipality official approving all proposed fire hydrant locations and that the local municipality agrees to pay SUEZ the monthly fee for any public fire hydrants,
- A letter from the fire suppression system provider stating the size fire service required if a fire suppression system is required,
- A completed SUEZ fixture count sheet for all facilities to be served if required, and
- A check for \$1,000 payable to SUEZ Pennsylvania which is applied to the cost of the water main design. The \$1000 is non-refundable; however, it will be applied to the final cost of the project.

The design of any SUEZ system upgrades and the water system required for the new development will be completed by SUEZ upon receipt of the complete design package. All required design package items must be submitted as one package. Design of the water system will not commence until the complete design package is received by SUEZ.

The final SUEZ design of the proposed development will be mailed to the developer. It is the developer's responsibility to obtain bids for the project from a SUEZ Pre-qualified contractor. The SUEZ Final Design is the only acceptable design to be used for bidding and construction of the proposed water system.

The developer shall select a SUEZ pre-qualified contractor and enter into a contract with the selected pre-qualified contractor for the project. A copy of the selected bid, along with the SUEZ Preliminary Cost Breakout Form, shall be forwarded to SUEZ Engineering Department.

The submitted bid will be used to create a Water Main Extension Agreement for the proposed subdivision. The construction deposit costs include SUEZ overheads and inspection fees (based on the total cost of water main, service material and installation) along with the required state and federal taxes on water services associated with the project. The \$1,000 design deposit will be deducted from the total construction deposit.

Upon receipt of the following the developer may contact SUEZ's Construction Coordinator to begin the project.

1. The fully executed Water Main Extension Agreement,
2. A check for the total amount due,
3. Fully executed SUEZ Easement Agreement if any water facilities that will be owned by SUEZ are being installed on private property.

Upon completion of the project the developer must submit the following to SUEZ as one complete project close-out package.

1. A copy of the final paid invoice from the contractor for the water main, services and material, and a completed SUEZ Final Cost Breakout Form. This final invoice is processed to determine if any refund is due on the construction deposit or a payment is due to SUEZ for underestimated overheads and/or taxes.
2. As-Built plans showing the stationing and GPS coordinates of all bends, valves, services, hydrants, sample stations, leak detection pits, and all other appurtenances, and GPS coordinates of four (4) control points.
3. Record of Service Forms (ROS) for each water service curb stop installed.

SUEZ will final inspect and test the water system project when the complete project close-out package is received.

Upon passing of the inspection and testing the developer will be directed to provide the following;

1. The Maintenance Bond or letter of credit,
2. The Bill of Sale, and,
3. Any final payment due.

Water service will be provided to the new subdivision when all required items are received by SUEZ.



Suez Water Pennsylvania

4211 East Park Circle

Harrisburg, PA 17111

Ph: (717) 561-1103; Fax: (717) 564-0448

Water Service and Meter Sizing Customer Information						
<i>Customer Name</i>				<i>Phone</i>		
<i>Company</i>				<i>Fax</i>		
<i>Address</i>				<i>Cell</i>		
<i>City</i>		<i>State</i>		<i>Zip Code</i>		
<i>Project Name and Location</i>						

This is not an application for service. Customer must call SUEZ Customer Service (717) 920-6060 to complete an application for service.

Fixture	Number of Fixtures
Bathtub	
Bedpan Washers	
Combination Sink and Tray	
Dental Unit	
Dental Lavatory	
Drinking Fountain	Cooler
	Public
Kitchen Sink	1/2" Connection
	3/4" Connection
Lavatory Sinks	3/8" Connection
	1/2" Connection
Laundry Tray	1/2" Connection
	3/4" Connection
Shower Head	(shower only)
Service Sink	1/2" Connection
	3/4" Connection
Urinal	Pedestal Flush Valve
	Wall Flush Valve
	Trough (2 ft. unit)
Wash Sink	(each set of faucets)
Toilets	Flush Valve
	Tank Type
Dishwasher	1/2" Connection
	3/4" Connection
Washing Machine	1/2" Connection
	3/4" Connection
	1" Connection
Hose Bibb (wash down)	1/2" Connection
	5/8" Connection
	3/4" Connection
Misc. Outlet (Not listed above)	1/2" Connection
	3/4" Connection

Elevation in Feet - Height of Highest Fixture from Ground Level

Total Length of Service - Watermain to structure

Type of Service: Check All That Apply

Residential		Shopping Center		
Apartment		Restaurant		
Motel		Public School		
Condominium		Public Building		
Trailer Park		Hospital		
Hotel		Irrigation		

Suez Water Pennsylvania, Inc.

- Fire Flow Request -

\$100.00 Fee per Test

Suez Water Pennsylvania will make fire flow information available to your company subject to the following terms and conditions:

- 1) The fire flows are for the exclusive use of your company.
- 2) The company acknowledges the fact that the fire flows provided to you may contain errors and or discrepancies and the company shall not hold Suez Water Pennsylvania responsible for fire flows containing such errors and discrepancies.
- 3) Suez Water Pennsylvania shall not be obligated to furnish additional fire flows, which may have been revised.
- 4) The company shall apply the greatest discrimination in use of said fire flow information, and their use shall be restricted for use of this construction only.
- 5) Submit \$100.00 check payable to Suez Water Pennsylvania Inc., Engineering Department, 4211 East Park Circle, Harrisburg, PA 17111
- 6) **Fire Flow Tests are performed weather permitting and temperatures are above 40 degrees.**

Accepted this _____ day of _____, 2017

_____	_____	_____
(Signature)	(Print Name)	(Company Name)
Contact Number _____		_____
Contact Email _____		(Address)
Return Report By (Select 1): Email ___ US Mail ___ Fax ___		_____ (City/State)
Location of Fire Flow Test _____		

Suez Water Pennsylvania

Contact Information:

Dennis Rudisill	Construction Coord.	(717) 901-6330
Kim Genetti	Eng. Admin. Assistant	(717) 901-6320
Art Saunders	Engineering Manager	(717) 901-6331
Brendan West	Project Engineer	(717) 901-6327
John Miller	Project Manager	(717) 901-6328
Nat Sheffer	Harrisburg/ Mechanicsburg Supt. T&D	(717) 920-6063
Tate Hunsinger	Bloomsburg/Dallas Supt.	(570) 784-4487
Dave Strenfel	Dallas T&D Foreman	(570) 760-5339

SUSQUEHANNA TOWNSHIP

AUTHORITY

MEMBERS

ANTHONY W. SALOMONE, CHAIRMAN
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STAN LASKOWSKI, ESQ.
ENGINEER: GHD
KEVIN M. FOX, P.E.
TOWNSHIP
MANAGER: DAVID W. KRATZER, JR.
MAINTENANCE
SUPERINTENDENT: VINCENT L. BUTTS

OFFICE: 1900 Linglestown Road, Harrisburg, PA 17110-3301 • Phone 717-545-0116 • FAX: 717-540-4295
www.susquehannatwp.com/authority-main-page

October 13, 2017

Mr. Jason C. Wolfe
Project Manager
Radenbush Engineering, Inc.
200 South Union St.
Harrisburg, PA 17110

**RE Progress and Linglestown TND
2615 Linglestown Road
Ability to Serve**

Dear Mr. Wolfe:

I am responding to your September 22, 2017 letter to the Township inquiry concerning the availability of sewer connections for the proposed development located in Susquehanna Township.

Susquehanna Township Authority (Authority) owns, maintains, and operates the public sanitary sewer system in the Township. The property of interest is located in the Paxton Creek Basin of the Authority's sanitary sewer system. The sanitary sewer interceptors in this basin are hydraulic overloaded as determined by Pennsylvania Department of Environmental Protection (PADEP). The hydraulic overload is due to infiltration and inflow entering the sewer system. As result, the Authority is performing a Corrective Action Plan (CAP) as required by PADEP to remove the excess infiltration and inflow from the sewers located in this basin. It is expected the CAP will, most likely, continue for several years.

Because of the hydraulic overloaded system, any new development is required to complete and submit a PADEP Component 3 planning module. The planning module is to be completed by the developer or the developer's engineer. The planning module must be approved by several agencies including Capital Region Water, which owns the wastewater treatment plant, the Authority, and PADEP. PADEP has the ultimate approval of the planning module.

In addition, PADEP has limited the number of sewer connections that the Authority may issue in a given year. For the year 2017, PADEP has permitted the Authority to issue no more than 192 connections in the Paxton Creek Basin of which 164 connections remain as of September 30, 2017. Please note that any remaining connections as of December 31, 2017, will not transfer to the following year. Connections for 2018 have not yet been approved by PADEP. Because of the limited number of connections, and to be fair to all developers, the Authority limits the number of connections distributed monthly to a developer. Attached to this letter is the most recent Authority Board action that provides the procedure for allocating connections to developers. Please note that the Authority may change the procedures yearly depending upon the number of connections PADEP allocates to the Authority.

At this time the Authority cannot guarantee that sewer connections will be available for your proposed development at the time you needed them. If you have any questions, please call the Authority's office at 717-545-0116.

Sincerely,
Susquehanna Township Authority

A handwritten signature in blue ink, appearing to read "D. W. Kratzer, Jr.", written in a cursive style.

David W. Kratzer, Jr.
Township Manager

Enclosure

Cc: Mr. Joel Kostelac, PE BCEE; GHD, 1240 North Mountain Road, Harrisburg, PA 17112

MINUTES

SUSQUEHANNA TOWNSHIP AUTHORITY

REGULAR MEETING
March 7, 2017

Chairman Anthony Salomone called to order the Regular Meeting of the Susquehanna Township Authority on Tuesday, March 7, 2017 at 7:02 PM at the Municipal Building, 1900 Linglestown Road, Harrisburg, Pennsylvania 17110.

AUTHORITY MEMBERS PRESENT

Anthony Salomone
Paul Wambach
Frank Lynch
Sean Sanderson
Yves Pollart
Gary Brinton
Steve Napper

AUTHORITY PERSONNEL PRESENT

Kevin Fox, GHD
Stan Laskowski, Caldwell & Kearns
Patricia Smith
Theresa Kandle
Vincent Butts

OTHERS IN ATTENDANCE

David Kratzer, Susquehanna Township Manager
Stephen Dzuramin
Deb Kleckned
Harry Albert, Owner of Modern Recovery Solutions
Jim Ross
Ron Secary
Leon Stein
John Lee

APPROVAL OF MINUTES

Regular Meeting of February 7, 2017

Motion by Wambach; Second by Sanderson to approve the minutes of the Regular meeting of February 7, 2017. The Motion was approved unanimously.

Budget & Finance Committee Meeting
February 14, 2017

Motion by Wambach, Second by Sanderson to approve the minutes of the Budget and Finance Meeting of February 14, 2017. The purpose of the meeting was to discuss the purchase or lease of a new Authority vehicle. The Motion was approved unanimously.

CITIZENS COMMENTS

Leon Stein, 3703 Green Street

Mr. Stein came before the Board to ask forgiveness for his sewer debt. He had his house condemned in January, and felt that the previous balance was unjustified as there had been no water or sewer usage for many years.

Motion to absolve Mr. Stein of his sewer debt, including lien satisfaction, by Wambach; Second by Lynch. The Motion was approved with 4 Yay: Wambach, Lynch, Brinton, Salomone; and 3 Nay: Sanderson, Pollart, Napper.

Modern Recovery Solutions

Harry Albert of Modern Recovery Solutions came to report to the Board the effectiveness of the updated collections policy. He reported that last month a total of \$96,576 had been collected and \$1,178,000 since Modern Recovery had been hired as the Authority's collection agency in 2012. Harry went on to say that the Authority had a 42% recovery rate and that the letters were helping in recovering delinquent payments. The Board asked when water shuts offs would begin, and Harry stated that they would start in spring. He went on to say his office was working on a list for the Board to approve to begin the water shut off procedure.

Audience Recognition

The Chairman recognized the Boy Scouts that were in attendance. They were getting Civil Service badges, and were required to attend a meeting and discuss matters presented. Also in attendance was Miss Dauphin County teen pageant winner.

APPROVAL OF TREASURER'S REPORT

Motion by Wambach; Second by Napper to approve the Treasurer's Report for the month of January 2017, with warrant numbers 9/17 and 10/17. The Report was approved unanimously.

UNFINISHED BUSINESS

No unfinished business.

REPORTS OF COMMITTEES

Planning & Construction

No Report.

Budget & Finance

A meeting was held February 14, 2016 to discuss the purchase of a new vehicle to replace one of the older ones. The discussion was between leasing or purchasing the new truck. The Motion by Wambach to award the bid to Enterprise lease for the Ford F-250 truck; Second by Sanderson. The Motion was approved unanimously.

Personnel & Insurance

No Report.

Pension

No Report.

Rates & Regulations

No Report.

Liaison to Board of Commissioners

No Report.

Liaison to Planning Commission

No Report.

REPORTS OF AUTHORITY STAFF

Township Manager

MRM nominations

Manager Kratzer explained to the Board that the Authority's insurance carrier, MRM, was requesting that they name a delegate and alternate to represent the Authority at their annual meeting. Motion by Pollart, seconded by Wambach to nominate Dave Kratzer as the delegate. Motion approved unanimously. Motion by Wambach, Seconded by Pollart to nominate Patty Smith as the alternate. Motion approved unanimously.

Rate Survey

Manager Kratzer presented to the Board a rate survey conducted by Authority Liaison Patty Smith. Liaison Smith polled the surrounding Municipalities who send their wastewater to CRW.

Solicitor

Stan Laskowski reported to the Board that in January the Authority received the allocations of sewer connections from DEP for 2017. Previously DEP would award bulk connections on an as needed basis and these bulk connections would not count against the Authority's allotted connections for the year, however that practice has ended as of January 2017 and now all connections must be awarded by the Authority and all will count against the Authority's total. DEP has awarded the Authority 192 connections for 2017. Motion by Lynch for the Authority to divide the connections equally for residential and commercial (96 connections per year per category, 8 per month per category) with the Authority maintaining the ability to adjust the ratio as the demand warrants; permits will still expire in 120 days if construction has not begun but now the 120 day countdown will not begin until the last permit has been awarded for the project; Second by Wambach. The Motion to approve the resolution was approved unanimously.

Engineer

Written report submitted for the month of February 2017; copy attached.

Front Street Drainage Basin

Doli has submitted Application for Payment No. 2 in the amount of \$507,231.59. Of this amount, the Authority's portion is \$468,374.09. Based on HRG's construction observation and administration management, GHD recommends payment. Motion by Sanderson; Second by Napper to approve payment. The Motion passed unanimously.

On Friday, February 24, 2017, the Township received a call from a plumber that was replacing the building sewer at 3520 North 6th Street. According the plumber, there was a blockage at the main, which may have caused the sewer backup into the basement of the home. The Township Maintenance Staff televised the sewer main and looked approximately 2 feet into the service lateral from the main. The main and lateral were not blocked. Since the plumber was replacing the building

sewer, the Township placed a camera in the trench of the building sewer and was able to notice that there was a pipe offset in the remaining service lateral. Although the plumber had the equipment to excavate the service lateral, the plumber did not want to take the liability to damage the new storm sewer. The property owner stated that he had not had any problems for the last 3 years with his sewer until 2 weeks ago. The property owner believed that when Doli replaced the sanitary sewer main and installed the storm sewers, that his lateral was damaged. Doli mobilized on Saturday to repair the lateral. It was determined that Doli did not cause the pipe to be offset, but the offset was due to the pipe's original construction and pipe deterioration. Doli will be submitting a change order for their time to respond and to replace the remaining service lateral pipe. GHD explained to the property owner that the service lateral is his responsibility and the Authority may request reimbursement from him for Doli's change order.

Blue Ridge Pump State Access Drive (Ward 2)

Verizon will need to relocate one of their utility poles due to a conflict with the new proposed driveway. Verizon has estimated the cost of relocating the pole, which is \$1,077.45. Prior to moving the pole, Verizon is requesting the Authority to pay the estimated cost to relocate the pole. If the actual cost is more, then Verizon will invoice the Authority. If the actual cost is less, Verizon will refund the unused amount to the Authority. Verizon is also requesting the Authority to sign an agreement, agreeing to these terms. Motion by Lynch to agree to the terms and payment to Verizon; Second by Sanderson. The Motion was passed with Napper as the only opposed.

Maintenance Superintendent

Written report submitted for the month of February 2017; copy attached.

Liaison

Written report submitted for the month of February 2017; copy attached.

CORRESPONDENCE

None.

NEW BUSINESS

None.

ADJOURNMENT

Motion by Sanderson; Second by Napper and unanimously adopted to adjourn at 9:15 PM.

EXECUTIVE SESSION

The Board went into Executive Session after the Roll Call of the Authority Board, and adjourned to discuss matters allowed by law from 7:08 PM until 7:56 PM.

Signed: _____


Yves Rollart, Secretary



UGI Utilities, Incorporated
1301 AIP Drive
Middletown, PA 17057-5987
(717) 255-4362 Telephone

November 29, 2018

Bryan J Clement, P.E.
549 North Mine Road
Lebanon, PA 17042

Re: Susquehanna Union Green, Progress & Linglestown Rds, Dauphin County

Dear Bryan:

Thank you for your request to have natural gas extended to your site location described above. Subject to the terms and conditions and line extension policies referenced in the UGI Gas – Pa P.U.C No. 6 Tariff, UGI Utilities, Inc will be able to provide natural gas service to the captioned project.

An approved site plan and detailed gas load information showing the number of units and the phasing plan will be required for our system planning department to review for any reinforcements required to serve this project pending a study after we have the above information. The time line and other underground utility location will determine final natural gas main and service design.

We look forward to working with you and offer our assistance in making this project a success. If you have any further questions, or are in need of additional information, please call me at 717-255-4362, I may also be reached by email at kswartley@ugi.com.

Sincerely,

A handwritten signature in cursive script that reads "Kim Swartley".

Kim Swartley
UGI New Business Representative
UGI Utilities
1301 AIP Drive
Middletown, PA 17057

PPL Electric Utilities
Business Accounts
827 Hausman Rd. Allentown, PA 18104-9392
Tel. 888.220.9991
businessaccounts@pplweb.com
www.pplelectric.com/business



December 13, 2018

Bryan Clement
@BClement@hflenz.com

RE: Susquehanna Union Green Phase 1, Residential Development

Dear Bryan:

PPL Electric Utilities has received and processed your application for electric service to the above-referenced residential development. The Work Order Number that has been assigned is 58356442.

The design of PPL Electric Utilities' service facilities will be based on the information provided in your application for service and your approved development plans; therefore, to avoid delays, PPL Electric Utilities should be notified of any changes. Note: modifications to the development site plans that require changes in the electric service installation as designed may include a charge for re-engineering and/or modification of facilities.

Engineering and electrical service installation timeline will be determined after receipt of 2 full sets of plans and meeting with PPL's field technician. No engineering will be done before we receive the plans. Please forward your approved plans to:

Design Supervisor, PPL Electric Utilities
1801 Brookwood St, Harrisburg, PA 17104-2222.

You must include the assigned PPL Work Order Number listed above with the plans. Service extension costs may be incurred from PPL Electric Utilities to supply service to this development. Costs may also be incurred to relocate any existing PPL facilities necessary to begin site construction work for the proposed development. A PPL Electric Utilities' field representative will contact you to discuss your electric service installation after we have received the approved plans.

If you have any questions, call Business Accounts at 1-888-220-9991, Option 4.

Sincerely,

Carolyn Granitz
Business Account Specialist

Enclosure

Residential Development Electric Service Requirements



- Provide PPL Electric Utilities with satisfactory easement for occupancy by distribution, service, and street lighting wires/lines and related facilities other than within public rights-of-way. Also, reimburse PPL Electric Utilities for any right-of-way or permit fees incurred in crossing the easements or properties of others.
- At the time individual electric services are requested, the applicant will be charged the cost of any excess service lengths/facilities. There may be charges for street lighting, which will be addressed in a separate letter.
- Contact PPL Electric Utilities and other utilities several weeks prior to starting installation of sewer and/or water mains to arrange a pre-construction meeting to coordinate construction and avoid unnecessary costs and delay.
- After receiving PPL's proposed designs, provide two weeks' notice prior to installing road-crossing conduits to give PPL Electric Utilities time to secure and deliver the conduits.
- Install curbing; grade and stone roadways to allow proper access; rough grade electric easements to within six inches of final grade; install property line markers; and keep easements clear of machinery and other obstructions during installation of electric distribution facilities by PPL Electric Utilities.
- Excavate, provide and install bedding material, backfill, and restore the surface to final grade, of all trenches and excavations for equipment foundations according to PPL Electric Utilities' specifications. Coordinate installation in the same area by other utilities and service companies to avoid unnecessary costs and delay. **NOTE: Any subsequent relocation of underground facilities deemed necessary by PPL Electric Utilities, including those required to maintain depth, clearances, or accessibility of underground facilities due to changes in grade, structures, or use of property will be made at the developer's and/or property owner's expense.**
- Electric service to residential developments will require underground construction of electrical distribution facilities by PPL Electric Utilities. PPL Electric Utilities will furnish, install, and, thereafter at its own expense, operate and maintain all electric distribution facilities necessary to provide electrical service.
- PPL Electric Utilities reserves the right to design and construct the underground system along the most economical and mutually satisfactory route. Any change in the installation as designed will require a re-estimate of terms and conditions for service and may include a charge for re-engineering and/or modification of facilities.
- PPL Electric Utilities will generally install electrical facilities only in areas where electric service will be needed within approximately one year.

Refer to PPL's Rules for Electric Meter & Service Installation (REMSI) for detailed information (<https://www.pplelectric.com/at-your-service/electric-rates-and-rules/remsi.aspx>). Specific guidelines for electrical equipment installation and trenching specifications are in the Customer Reference Specifications (<https://www.pplelectric.com/at-your-service/electric-rates-and-rules/remsi/customer-reference-specifications.aspx>).



July 11, 2019

Hawthorne SPE, LLC
c/o Ms. Catherine A. Wilsbach
3605 Vartan Way
Suite 301
Harrisburg, PA 17110

Re: Permit Approval Cover Letter for Individual NPDES Permit for Stormwater Discharges
Associated with Construction Activities
Susquehanna Union Green, PAD220004
Susquehanna Township
Dauphin County

Dear Ms. Wilsbach:

Under the authority of the federal Clean Water Act and Pennsylvania's Clean Streams Law, the Department of Environmental Protection (DEP) approves your application for an Individual NPDES Permit for Stormwater Discharges Associated with Construction Activities under Chapter 102. Your permit is enclosed. The latest versions of the permit application and all supporting documents, including the Erosion and Sediment Control (E&S) Plan and Post-Construction Stormwater Management (PCSM) Plan, are incorporated into this approval.

Your Individual NPDES Permit, which has been assigned NPDES Permit No. PAD22004, is effective on **July 11, 2019** and will expire on **July 10, 2024**. If stormwater discharges associated with construction activities are expected to continue beyond the expiration date of the Individual NPDES Permit, you must apply to renew your permit at least 180 days prior to the expiration date.

Please review the Individual NPDES Permit, including special conditions, and the enclosed attachments carefully and contact this office if you have any questions. Please pay particular attention to the following requirements of the Individual Permit:

- **Work shall not occur within the floodplain of Black Run until the Department has authorized the Chapter 105 Water Obstruction and Encroachment Permit related to such activities.**
- In accordance with 25 Pa. Code § 102.5(h), operators who are not the permittee shall be co-permittees. An operator is a person who either has oversight responsibility of an earth disturbance activity on a project site who has the ability to make modifications to the E&S

Plan, PCSM Plan or site specifications, or has day to day operational control over an earth disturbance activity on a project site. Please be advised that once an operator (contractor) has been selected for the project, the NPDES permit must either be transferred to the operator or the operator must be made a co-permittee and enter into an agreement with the permittee. Please use the enclosed Transferee/Co-Permittee Application form to transfer the permit or to add a co-permittee. This form must be received by this office at least 30 days prior to the co-permittee/transferee action taking place.

- A pre-construction conference is required as specified in 25 Pa. Code § 102.5(e), unless otherwise notified in writing by this office. The purpose of this conference is to review all aspects of the permit with the permittee, co-permittees, operators, consultants, inspectors and licensed professionals or their designees who will be responsible for the implementation of the critical stages of the approved PCSM Plan. You must provide at least seven days notice of the pre-construction meeting to all invited attendees.
- You must conduct inspections of all best management practices (BMPs) on a weekly basis and after each measurable stormwater event to ensure effective and efficient operation. The Visual Site Inspection Report Form (3800-FM-BCW0271d) is enclosed along with instructions. This form (or an equivalent electronic form providing the same information) must be used to document the required site inspections.
- For any property containing a PCSM BMP, the permittee or co-permittee must record an instrument with the recorder of deeds which will assure disclosure of the PCSM BMP and the related obligations in the ordinary course of a title search of the subject property. The recorded instrument must identify the PCSM BMP, provide for necessary access related to long-term operation and maintenance (O&M) for PCSM BMPs, and provide notice that the responsibility for long-term O&M of the PCSM BMP is a covenant that runs with the land that is binding upon and enforceable by subsequent grantees. Unless a later date is approved by DEP in writing, the permittee shall record an instrument within 45 days from the date of this coverage approval letter. The permittee shall provide the county conservation district and DEP with the date and place of recording along with a reference to the docket, deed book or other record, within 90 days from the date of this coverage approval letter, unless a later date is approved by DEP in writing.
- The Notice of Termination (NOT) form is also enclosed and must be completed and filed when construction activities have ceased and final stabilization has been achieved. The NOT must identify the responsible person(s) for the long-term O&M of the PCSM BMPs. Please be advised that the permittee and any co-permittees remain responsible for all operational maintenance for this project site until the NOT has been filed and acknowledged.

If you have additional questions, please contact Michael Luciani at 570-826-2597, or mluciani@pa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Domenic Rocco". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Domenic Rocco, P.E.
Environmental Program Manager
Regional Permit Coordination Office

cc: Dauphin County Conservation District (letter and permit only)
Bryan J. Clement, P.E., H.F. Lenz Company (letter and permit only)
Justin Spangler, P.E., LandStudies, Inc. (letter and permit only)
Susquehanna Township (letter only)

Enclosures: Notice of Appeal Rights
Individual NPDES Permit
Approved E&S Plan
Approved PCSM Plan
Visual Site Inspection Report Form and Instructions
Transferee/Co-permittee Application Form
Notice of Termination Form
Riparian Forest Buffer Reporting Form (if applicable)

Notice of Appeal Rights

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (Board), pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board's address is:

Environmental Hearing Board
Rachel Carson State Office Building, Second Floor
400 Market Street
P.O. Box 8457
Harrisburg, PA 17105-8457

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800-654-5984.

Appeals must be filed with the Board within 30 days of receipt of notice of this action unless the appropriate statute provides a different time. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

A Notice of Appeal form and the Board's rules of practice and procedure may be obtained online at <http://ehb.courtapps.com> or by contacting the Secretary to the Board at 717-787-3483. The Notice of Appeal form and the Board's rules are also available in braille and on audiotape from the Secretary to the Board.

IMPORTANT LEGAL RIGHTS ARE AT STAKE. YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD AT 717-787-3483 FOR MORE INFORMATION. YOU DO NOT NEED A LAWYER TO FILE A NOTICE OF APPEAL WITH THE BOARD.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.



**APPROVAL OF COVERAGE UNDER
THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) INDIVIDUAL
PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES**

NPDES PERMIT NO: PAD220004 PRIMARY FACILITY ID: 832721
 AUTHORIZATION NO: 1263096 SUBFACILITY ID: 1282036
 APS NO.: 987334

SITE/PROJECT NAME & ADDRESS		PERMITTEE NAME & ADDRESS	
Name:	<u>Susquehanna Union Green</u>	Name:	<u>Hawthorne SPE, LLC</u>
Location:	<u>North Progress Avenue & Linglestown Road</u>	Client ID:	<u>347192</u>
Address:	<u>Harrisburg, PA 17110</u>	Address:	<u>3605 Vartan Way</u>
City, State, Zip:	<u>Harrisburg, PA 17110</u>	City, State, Zip:	<u>Harrisburg, PA 17110</u>
Phone:	<u></u>	Phone:	<u>717-657-0100</u>

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 *et seq.* ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 *et seq.*, the Department of Environmental Protection hereby approves the Notice of Intent (NOI)/application submitted for coverage to discharge stormwater **from an earth disturbance activity that involves equal to or greater than one acre of earth disturbance on any portion, part, or during any stage of, a larger common plan of development or sale that involves equal to or greater than one acre of earth disturbance**, to the following surface water(s) of this Commonwealth:

Black Creek (WWF, MF)

subject to the Department's effluent limitations, monitoring and reporting requirements, and other terms, conditions, criteria, and special requirements for the discharge of stormwater associated, in whole or in part, with construction activity, as defined in this individual permit, to surface waters of this Commonwealth, including through municipal separate storm sewers and nonmunicipal separate storm sewers. Authorization to discharge is subject to the implementation of the plans and additional associated information submitted as part of the application.

APPROVAL TO DISCHARGE IN ACCORDANCE WITH THE TERMS AND CONDITIONS HEREIN MAY COMMENCE ON THE DATE OF THE APPROVAL OF COVERAGE, AND IS VALID FOR A PERIOD OF FIVE YEARS WHEN CONDUCTED PURSUANT TO SUCH TERMS AND CONDITIONS. COVERAGE MAY BE EXTENDED BY THE DEPARTMENT OR AUTHORIZED CONSERVATION DISTRICT IF A TIMELY, COMPLETE AND ACCEPTABLE APPLICATION FOR RENEWAL IS SUBMITTED TO THE DEPARTMENT OR AUTHORIZED CONSERVATION DISTRICT AT LEAST 180 DAYS PRIOR TO DATE OF COVERAGE TERMINATION. THE PERMIT MAY BE TERMINATED PRIOR TO THE EXPIRATION DATE UPON RECEIPT AND ACKNOWLEDGEMENT OF A NOTICE OF TERMINATION FORM AND APPROVAL BY THE DEPARTMENT OR AUTHORIZED CONSERVATION DISTRICT. NO CONDITION OF THIS PERMIT SHALL RELEASE THE PERMITTEE OR CO-PERMITTEE FROM ANY RESPONSIBILITY OR REQUIREMENT UNDER PENNSYLVANIA, OR FEDERAL ENVIRONMENTAL STATUTES, REGULATIONS, OR LOCAL ORDINANCES.

COVERAGE APPROVAL DATE: July 11, 2019 COVERAGE EXPIRATION DATE: July 10, 2024

AUTHORIZED BY: Domenic Rocco, P.E. TITLE: Environmental Program Manager
Regional Permit Coordination Office

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**INDIVIDUAL NPDES
PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES**

This permit applies to earth disturbance activities that disturb equal to or greater than one (1) acre, or an earth disturbance on any portion, part, or during any stage of, a larger common plan of development or sale that involves equal to or greater than one (1) acre of earth disturbance.

This permit does not apply to agricultural plowing and tilling, animal heavy use areas, timber harvesting activities, and road maintenance activities.

Earth disturbance activities associated with oil and gas exploration, production, processing or treatment operations, or transmission facilities may be required to obtain permit coverage under the Erosion and Sediment Control General Permit (ESCGP).

1. DEFINITIONS

Note: Terms used in this permit not otherwise defined herein shall have the meaning attributed to them in 40 CFR Part 122 and 25 Pa. Code Chapters 92a, 93, 96, 102 or 105.

Administrator – The Environmental Protection Agency (EPA) regional administrator.

Antidegradation Best Available Combination of Technologies (ABACT) – Environmentally sound and cost effective treatment, land disposal, pollution prevention and stormwater re-use BMPs that individually or collectively manage the difference in the net change in stormwater volume, rate, and quality for storm events up to and including the 2 year/24 hour storm when compared to the stormwater rate, volume, and quality prior to the earth disturbance activities to maintain and protect the existing quality of the receiving surface waters of this Commonwealth.

Accelerated Erosion – The removal of the surface of the land through the combined action of human activities and the natural processes, at a rate greater than would occur because of the natural process alone.

Authorized Conservation District – A conservation district, as defined in Section 3(c) of The Conservation District Law (3 P.S. § 851(c), as amended) that has the authority under a delegation agreement executed with the Department to administer and enforce all or a portion of the erosion, sediment, and stormwater management program in the Commonwealth of Pennsylvania.

Best Management Practices (BMPs) – Activities, facilities, measures, planning, or procedures used to minimize accelerated erosion and sedimentation and manage stormwater to protect, maintain, reclaim, and restore the quality of waters and the existing and designated uses of waters of this Commonwealth before, during, and after earth disturbance activities.

Clean Fill – Uncontaminated, nonwater soluble, nondecomposable, inert, solid material to include soil, rock, stone, dredged material, used asphalt, and brick, block, or concrete from construction and demolition activities that is separate from other waste and is recognizable as such. The term does not include materials placed in or on the waters of this Commonwealth unless otherwise authorized. The term "used asphalt" does not include milled asphalt or asphalt that has been processed for re-use.

Co-Permittee – Person(s) identified in this permit as responsible for the discharges of stormwater associated with construction activity who is jointly and individually responsible together with the permittee for compliance with all conditions of this permit and applicable laws.

Critical Stages – The installation of underground treatment BMPs, structurally engineered BMPs, or other BMPs as deemed appropriate by the Department or the authorized conservation district.

CSO – Abbreviation for Combined Sewer Overflows

Department – The Department of Environmental Protection of this Commonwealth.

Director – The Director of the Bureau of Waterways Engineering and Wetlands, or any authorized employee thereof.

Earth Disturbance Activity – A construction or other human activity which disturbs the surface of the land, including land clearing and grubbing, grading, excavations, embankments, land development, agricultural plowing or tilling, operation of animal heavy use areas, timber harvesting activities, road maintenance activities, oil and gas activities, well drilling, mineral extraction, and the moving, depositing, stockpiling, or storing of soil, rock, or earth materials.

Effluent Limitation or Standard – A restriction established by the Department or the Administrator on quantities, rates, and concentrations of chemical, physical, biological, and other constituents which are discharged from point sources into surface waters including BMPs and schedules of compliance.

EPA – Abbreviation for the Environmental Protection Agency

Erosion – The natural process by which the surface of the land is worn away by water, wind, or chemical action.

Erosion and Sediment Control Plan (E&S Plan) – A site-specific plan consisting of both drawings and a narrative that identifies BMPs to minimize accelerated erosion and sedimentation before, during, and after earth disturbance activities.

Licensed Professional – Professional engineers, landscape architects, geologists, and land surveyors licensed to practice in the Commonwealth.

Long-term Operation and Maintenance – The routine inspection, maintenance, repair, or replacement of a BMP to ensure proper function for the duration of time that the BMP is needed.

MCM – Abbreviation standing for Minimum Control Measure.

MS4 – Abbreviation standing for Municipal Separate Storm Sewer System. A separate storm sewer (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels or storm drains) which is all of the following:

- (i) Owned or operated by a State, city, town, borough, county, district, association or other public body (created by or under state law) having jurisdiction over disposal of sewage, industrial wastes, stormwater or other wastes, including special districts under state law such as a sewer district, flood control district, or drainage district, or similar entity, or a designated and approved management agency under Section 208 of the Federal Act (33 U.S.C.A. § 1288) that discharges to surface waters of this Commonwealth.
- (ii) Designed or used for collecting or conveying stormwater.
- (iii) Not a combined sewer.
- (iv) Not part of a POTW.

Municipality – A county, city, borough, town, township, school district, institution, or authority, or another public body created by or pursuant to State Law. For the purposes of this definition, town includes an incorporated town.

Notice of Termination (NOT) – A request, on a form provided by the Department, to terminate coverage under an Individual NPDES Permit for Stormwater Discharges Associated with Construction Activities.

Nondischarge Alternative – Environmentally sound and cost effective BMPs that individually or collectively eliminate the net change in stormwater volume, rate, and quality for stormwater events up to and including the 2 year/24 hour storm when compared to the stormwater rate, volume, and quality prior to the earth disturbance activities to maintain and protect the existing quality of the receiving surface waters of this Commonwealth.

Operator – A person who has one or more of the following:

- (i) Oversight responsibility of earth disturbance activity on a project site or a portion thereof, who has the ability to make modifications to the E&S Plan, PCSM Plan, or site specifications.
- (ii) Day-to-day operational control over earth disturbance activity on a project site or a portion thereof to ensure compliance with the E&S Plan or PCSM Plan.

Owner – A person(s) who holds the legal title to the land subject to construction activity. This term also includes the person(s) who held legal title to the land subject to construction activity at the time such activity was commenced on a site.

Permanent Stabilization – Long-term protection of soil and water resources from accelerated erosion.

Permit Application – A request, on a form provided by the Department, for coverage under an Individual NPDES Permit for Stormwater Discharges Associated with Construction Activities.

Person – Any operator, individual, public or private corporation, partnership, association, municipality or political subdivision of this Commonwealth, institution, authority, firm, trust, estate, receiver, guardian, personal representative, successor, joint venture, joint stock company, fiduciary; Department, agency or instrumentality of state, federal, or local government, or an agent or employee thereof; or any other legal entity. Whenever used in any clause prescribing and imposing a penalty, or imposing a fine or imprisonment or both, the term "person" shall not exclude the members of an association and the directors, officers, or agents of a corporation.

Point Source – Any discernible, confined, and discrete conveyance, including, but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, or vessel, or other floating craft, from which pollutants are or may be discharged.

Post Construction Stormwater – Stormwater associated with a project site after the earth disturbance activity has been completed and the project site is permanently stabilized.

Post Construction Stormwater Management Plan (PCSM Plan) – A site-specific plan consisting of both drawings and a narrative that identifies BMPs to manage changes in stormwater runoff volume, rate, and water quality after earth disturbance activities have ended and the project site is permanently stabilized.

Preparedness, Prevention, and Contingency Plan (PPC Plan) – A written plan that identifies an emergency response program, material and waste inventory, spill and leak prevention and response, inspection program, housekeeping program, security and external factors, and that is developed and implemented at the construction site to control potential discharges of pollutants other than sediment into waters of this Commonwealth.

Project site – The entire area of activity, development, lease, or sale including:

- (i) The area of the earth disturbance activity.
- (ii) The area planned for the earth disturbance activity.
- (iii) Other areas which are not subject to earth disturbance activity.

Riparian Buffer – A BMP that is an area of permanent vegetation along surface waters.

Riparian Forest Buffer – A type of riparian buffer that consists of permanent vegetation that is predominantly native trees, shrubs, and forbs along surface waters that is maintained in a natural state or sustainably managed to protect and enhance water quality, stabilize stream channels and banks, and separate land use activities from surface waters.

Runoff Coefficient – The fraction of total rainfall that will appear at the conveyance as runoff.

Stabilization – The proper placing, grading, constructing, reinforcing, lining, and covering of soil, rock, or earth to ensure their resistance to erosion, sliding, or other movement.

Stormwater – Runoff from precipitation, snow melt runoff, surface runoff, and drainage.

Surface Waters – Perennial and intermittent streams, rivers, lakes, reservoirs, ponds, wetlands, springs, natural seeps, and estuaries, excluding water at facilities approved for wastewater treatment such as wastewater treatment impoundments, cooling water ponds, and constructed wetlands used as part of a wastewater treatment process.

Total Maximum Daily Load (TMDL) – The sum of the individual wasteload allocations for point sources, load allocations for nonpoint sources, a margin of safety and natural background. TMDLs can be expressed in mass per time, toxicity, or other appropriate measures.

Transferee – Person(s) identified through the co-permittee/transferee form as having new responsibility for the discharges of stormwater during construction activities and responsibility for compliance with all conditions of this permit and all applicable laws for discharges of stormwater during the construction activity.

Waters of this Commonwealth – Rivers, streams, creeks, rivulets, impoundments, ditches, watercourses, storm sewers, lakes, dammed water, wetlands, ponds, springs, and other bodies or channels of conveyance of surface and underground water, or parts thereof, whether natural or artificial, within or on the boundaries of this Commonwealth.

Wetlands – Areas that are inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions, including swamps, marshes, bogs, and similar areas.

2. AUTHORITY AND RESPONSIBILITIES OF THE DEPARTMENT OR AUTHORIZED CONSERVATION DISTRICTS

- a. The Department or authorized conservation district may notify the permittee at any time that the permit terms and conditions are not being met. Upon plan review or site inspection, the Department or authorized conservation district, may require E&S Plan revisions or other appropriate action to ensure compliance with the conditions of this permit.
- b. The Department or authorized conservation district has the right to enter onto the site to conduct inspections, conduct monitoring, or require monitoring where necessary in appropriate circumstances such as where a danger of water pollution or degradation is present, or water pollution or degradation is suspected to be occurring from a construction activity subject to this permit. The permittee and co-permittee shall commence such monitoring upon notification from the Department or authorized conservation district. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.
- c. The Department or authorized conservation district may request copies of records required by this permit, which could include the records required under Part A, Section 3 of this permit.

3. PERMIT APPLICATION SUBMITTAL

a. General Information and Requirements

- (1) Persons proposing to discharge stormwater associated with construction activities and eligible persons proposing to expand the scope of a previously authorized construction activity which discharges stormwater, who wish to be covered by this individual permit, must submit a complete and acceptable permit application to the Department or authorized conservation district and receive authorization from the Department prior to commencing the construction activity. The application shall be filed in accordance with the detailed instructions specified in the application instruction package.
 - (2) Operators of all construction activities shall develop, implement, and maintain erosion and sediment (E&S) and post construction stormwater management (PCSM) BMPs and other pollution prevention measures required by this permit to minimize accelerated erosion and sedimentation before, during, and after construction activities.
 - (3) E&S control BMPs shall be designed and implemented to meet the standards and specifications identified in the Department's regulations, including 25 Pa. Code § 102.4 (relating to Erosion and Sediment Control requirements) and 102.11(a)(1) (relating to general requirements), and listed in the Department's *Erosion and Sediment Pollution Control Program Manual*, No. 363-2134-008, as amended and updated, or an approved alternative that is at least as effective or better, when legally authorized.
 - (4) PCSM BMPs shall be designed and implemented to meet the standards and specifications identified in the Department's regulations, including 25 Pa. Code § 102.8 (relating to PCSM requirements) and 102.11(a)(2), and listed in the Department's *Pennsylvania Stormwater Best Management Practices Manual*, No. 363-0300-002, as amended and updated, or approved alternative that is as at least as effective or better, when legally authorized.
 - (5) The E&S Plan, PCSM Plan, and PPC Plan shall identify appropriate BMPs that will be implemented to ensure that existing and designated uses of surface waters are protected and maintained.
 - (6) The permittee or co-permittee shall have the E&S Plan, PCSM Plan, PPC Plan, and other documents required by this permit maintained at the site and available for review by the Department, authorized conservation district, or other authorized local, state, or federal agent or representative.
- b. Persons requesting a renewal of coverage under this Permit must submit to the Department or authorized conservation district, a complete and acceptable application, at least 180 days prior to the expiration date of the coverage, unless permission has been granted by the Department or authorized conservation district for submission at a later date. In the event that a timely, complete, and acceptable application for renewal of coverage has been submitted and the Department or authorized conversation district is unable, through no fault of the permittee, to reissue the approval of coverage before the expiration date of the approved coverage, the terms and conditions of the approved coverage will be automatically continued and will remain fully effective and enforceable pending the issuance or denial of the renewal of coverage, provided the permittee is, and has been, operating in compliance with the terms and conditions of the permit. The permittee shall be responsible for complying with the final renewed, reissued, or amended Permit.
- c. Applications for which a payment (check, electronic transfer, etc.) for either a base permit fee or a disturbed acreage fee have been processed as part of an complete application that are returned for insufficient funds will be suspended until sufficient funds are provided. Any earth disturbance activity that has been authorized by the permit but the Department or conversation district is notified at a later date that the permit application fee(s) were not paid will be immediately suspended and the site must be immediately stabilized until the fees or sufficient funds are received. If the fees/funds are not received and paid in full within 30 days, the permit authorization will be revoked.
- d. No condition of this permit shall release the permittee or co-permittee from any responsibility or requirement under other federal or Pennsylvania environmental statutes or regulations or local ordinances.
- e. The approval of coverage is granted based, in part, on information provided by the applicant in the application. The information provided by the applicant, including all appendices, attachments, plans, and supporting documentation, are incorporated by reference as a part of the approval and are enforceable as a condition of the approval. If there is any conflict between the permit and the application, including any appendices, attachments, plans, and other supporting documentation, the more environmentally protective provision applies.

4. NOTICE OF TERMINATION

a. Termination of Coverage

- (1) Upon permanent stabilization of earth disturbance activity under 25 Pa. Code § 102.22(a)(2) (relating to permanent stabilization) and installation of BMPs in accordance with the approved plan prepared and implemented in accordance with 25 Pa. Code § 102.4 and 102.8, the permittee and/or co-permittee shall submit a NOT to the Department or authorized conservation district. The NOT must include:
 - i. The facility name, address, and location;
 - ii. The operator name and address;
 - iii. The permit number;
 - iv. The reason for the permit termination; and
 - v. Identification of the persons who have agreed to and will be responsible for the long-term operation and maintenance of PCSM BMPs.
- (2) Until the permittee or co-permittee has received written approval of the NOT, the permittee or co-permittee will remain responsible for compliance with the permit terms and conditions, including long-term operation and maintenance of all PCSM BMPs on the project site in accordance with 25 Pa. Code § 102.8(m) The Department or authorized conservation district will conduct a follow up inspection and approve or deny the NOT within 30 days of receipt in accordance with 25 Pa. Code § 102.7(c) (relating to permit termination).

b. Final Certification

- (1) The permittee shall enclose with the NOT "Record Drawings" a final certification statement from a licensed professional, which reads as follows:

"I (name) do hereby certify pursuant to the penalties of 18 Pa. C.S.A. § 4904 to the best of my knowledge, information, and belief, that the accompanying record drawings accurately reflect the as built conditions, are true and correct, and are in conformance with Chapter 102 of the rules and regulations of the Department of Environmental Protection and that the project site was constructed in accordance with the approved PCSM Plan, all approved plan changes, and accepted construction practices."
- (2) The permittee shall retain a copy of the record drawings as part of the approved PCSM Plan. The permittee shall also provide a copy of the record drawings as part of the approved PCSM Plan to the persons identified as responsible for the long term operation and maintenance of PCSM BMPs. Permittees shall also provide copies of both the record drawings and the long-term operation and maintenance plan to the Department, authorized conservation district, and municipality.

PART A

EFFLUENT LIMITATIONS, MONITORING, AND REPORTING REQUIREMENTS

1. EFFLUENT LIMITATIONS

a. BMPs

Except as required by 25 Pa. Code §102.11(c), this permit establishes narrative performance based effluent limitations in the form of BMPs identified in E&S Plans, PCSM Plans, and PPC Plans, which control the volume, rate, and quality of stormwater runoff and associated pollutants from being discharged into surface waters, and which replicate preconstruction infiltration and runoff conditions to the maximum extent practicable. Section 102.11(c) incorporates by reference federal Effluent Limitation Guidelines in 40 CFR Part 450 (relating to the construction and development point source category).

b. Applicable Effluent Limitations

Activities covered under this permit must comply with applicable effluent limitations established in 25 Pa. Code Chapters 91, 92a, 93, 96, 102, and 105 and any applicable federal law or regulation, including the effluent guidelines for construction at 40 CFR Part 450.

c. Water Quality Based Effluent Limitations

Water quality based effluent limitations are applicable to activities conducted under this permit when required under applicable state and federal law or regulation to ensure that the water quality standards of the receiving water are attained. Activities conducted under this permit shall not result in a violation of such water quality standards.

2. MONITORING, INSPECTION, AND REPORTING REQUIREMENTS

a. Visual Inspections

The permittee and co-permittee(s) must ensure that visual site inspections are conducted weekly, and within 24 hours after each measurable stormwater event throughout the duration of construction and until the receipt and acknowledgement of the NOT by the Department or authorized conservation district. The visual site inspections and reports shall be completed on a form developed by the Department, and conducted by qualified personnel, trained and experienced in erosion and sediment control, to ascertain that E&S, PCSM and PPC BMPs are properly constructed and maintained to effectively minimize pollution to the waters of this Commonwealth. A written report of each inspection shall be kept and include at a minimum:

- (1) A summary of the site conditions, E&S and PCSM BMPs, implementation and maintenance and compliance actions; and
- (2) The date, time, name and signature of the person conducting the inspection.

b. Licensed Professional Oversight of Critical Stages

A licensed professional or a designee shall be present onsite and responsible during critical stages of implementation of the approved PCSM Plan. The critical stages may include the installation of underground treatment or storage BMPs, structurally engineered BMPs, or other BMPs as deemed appropriate by the Department or authorized conservation district.

c. Noncompliance Reporting

Where E&S, PCSM or PPC BMPs are found to be inoperative or ineffective during an inspection or any other time the permittee becomes aware of any incident causing or threatening pollution as described in 25 Pa. Code § 91.33 (relating to incidents causing or threatening pollution), as required by 25 Pa. Code § 92a.41(b) (relating to conditions applicable to all permits), the permittee and co-permittee(s) shall, within 24 hours, contact the Department or authorized conservation district, by phone or personal contact, followed by the submission of a written report within five (5) days of the initial contact. Noncompliance reports shall include the following information:

- (1) Any condition on the project site which may endanger public health, safety, or the environment, or involve incidents which cause or threaten pollution;
- (2) The period of noncompliance, including exact dates and times and/or anticipated time when the activity will return to compliance;
- (3) Steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance; and
- (4) The date or schedule of dates, and identifying remedies for correcting noncompliance conditions.

d. Supplemental Monitoring

The Department or authorized conservation district may require additional monitoring where an increased risk of potential water pollution is present, or water pollution is suspected to be occurring from a construction activity subject to this Individual Permit, or for any reason in accordance with 25 Pa. Code § 92a.61 (relating to monitoring). The permittee or co-permittee shall commence such monitoring upon notification from the Department or authorized conservation district.

e. Availability of Reports

Except for data determined to be confidential under Section 607 of the Clean Streams Law, all reports and other information prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate Department Regional Office or authorized conservation district.

f. Public Notice

Public notice of every complete application for an NPDES permit will be published in the *Pennsylvania Bulletin*. The contents of public notice of applications for NPDES permits will include at least the following:

- (1) The name and address, including county and municipality, of each applicant.
- (2) The permit number and type of permit applied for.
- (3) The stream name of the waterway to which each discharge is proposed.
- (4) The address of the State or interstate agency premises at which interested persons may obtain further information, request a copy of the NPDES forms and related documents.

g. Public Notice at Facility or Location Where Discharge Exists

A public notice of every new draft individual permit, or major amendment to an individual permit, will be published in the *Pennsylvania Bulletin*. This public notice will also be posted by the applicant near the entrance to the premises of the applicant, and at the facility or location where the discharge exists, if the facility or location is remote from the premises of the applicant. The contents of public notice for draft NPDES permits will include at least the following in addition to those specified in subsection 1-4 above.

- (1) A brief description of each applicant's activities or operations that result in the discharge described in the application.
- (2) The name and existing use protection classification of the receiving surface water under § 93.3 (relating to protected water uses) to which each discharge is made and a short description of the location of each discharge on the waterway indicating whether the discharge is a new or an existing discharge.
- (3) A statement of the tentative determination to issue or deny an NPDES permit for the discharge described in the application. If there is a tentative determination to issue a permit, the determination will include proposed effluent limitations for those effluents proposed to be limited, a proposed schedule of compliance including interim dates and requirements for meeting the proposed effluent limitations and a brief description of any proposed special conditions that will have a significant impact upon the discharge described in the application.
- (4) A brief description of the procedures for making final determinations, including the 30-day comment period required by subsection (d) and any other means by which interested persons may influence or comment upon those determinations.

3. PROHIBITIONS

If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under §307(a) of the Federal Clean Water Act (CWA) for a toxic pollutant which is present in the permittee's or co-permittee's discharge, and such standard or prohibition is more stringent than any limitation upon such pollutant in the NPDES permit, the Department shall revise or modify the permit in accordance with the toxic effluent standard or prohibition and so notify the permittee or co-permittee. In the absence of a departmental

action to modify or to revoke and reissue this permit, the toxic effluent standard or prohibition established under §307(a) of the CWA is considered to be effective and enforceable against the permittee or co-permittee.

4. RECORD KEEPING

a. Retention of Records

The permittee and co-permittee(s) shall retain records of all monitoring information including copies of all monitoring and inspection reports required by this permit, all monitoring information (including site log book, calibration and maintenance records) and records of data used to complete the NOI/application for this permit, for a period of three years from the date of the termination of coverage under this permit as required by 25 Pa. Code § 92a.61(f)(2). This period of retention must be extended during the course of any unresolved compliance, enforcement, or litigation or when requested by the Department or authorized conservation district.

b. Reporting of Monitoring Results

Visual inspection monitoring results shall be submitted to the Department or authorized conservation district upon request.

5. DISCHARGES CONSISTENT WITH TERMS AND CONDITIONS OF THE PERMIT

All discharges authorized by this NPDES permit shall be consistent with the terms and conditions of this permit.

PART B
STANDARD CONDITIONS

1. MANAGEMENT REQUIREMENTS

a. Permit Modification, Termination, or Revocation and Reissuance

- (1) The Individual Permit will expire five (5) years from the date of its issuance.
- (2) This permit may be modified, suspended, revoked, reissued, or terminated during its term for any of the causes specified in 25 Pa. Code Chapters 92a and 102 (relating to erosion and sediment control), or to require compliance with updated effluent limitation guidelines, water quality standards, impaired water listings, or new TMDLs.
- (3) The filing of a request by the permittee or co-permittee for a permit or coverage modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any permit condition.
- (4) Permit modification or revocation will be conducted according to 25 Pa. Code Chapters 92a and 102.

b. Duty to Provide Information

- (1) The permittee or co-permittee(s) shall furnish to the Department or authorized conservation district within thirty (30) days of the date of request, any information that the Department or authorized conservation district may request to determine whether cause exists for modifying, revoking, reissuing, or terminating this permit or coverage approved under this permit or to determine compliance with this permit.
- (2) The permittee or co-permittee shall furnish, upon request, to the Department or authorized conservation district, copies of records required to be kept by this permit.
- (3) When the permittee or co-permittee becomes aware that they failed to submit any relevant facts or submitted incorrect information in the NOI, E&S Plan, PCSM Plan, or PPC Plan or in any other report to the Department or authorized conservation district, the permittee or co-permittee shall within 24 hours of becoming aware of the deficiency submit or correct such facts or information.
- (4) The permittee or co-permittee shall give seven (7) calendar days advance notice to the Department or authorized conservation district of any planned physical alterations or additions to the permitted facility which could, in any way, substantially affect the quality and/or quantity of stormwater discharged from the activity.

c. Signatory Requirements

Documents required, submitted, or maintained under this permit shall be signed in accordance with the following:

- (1) Notices of Intent, Transferee/Co-permittee Form, and Notices of Termination.
 - (a) Corporations: (1) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or (2) the manager of one or more manufacturing, production, or operating facilities, if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
 - (b) Partnerships or sole proprietorships: a general partner or the proprietor, respectively; or
 - (c) Municipalities, state, federal, or other public agencies: either a principal executive officer or ranking elected official such as: (1) the chief executive officer or secretary of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).
- (2) All reports, plans, documents, and other information required by the permit or requested by the Department or authorized conservation district shall be signed by a duly authorized representative of the permittee.
- (3) If there is a change in the duly authorized representative of the permittee or co-permittee, respectively, the permittee or co-permittee shall notify the Department or authorized conservation district within thirty (30) days of the change.

d. Transfer of Ownership or Control

- (1) This permit is not transferable to any person except after notice and acknowledgment by the Department or authorized conservation district.

- (a) In the event of any pending change in control or ownership of facilities from which the authorized discharges emanate, the permittee or co-permittee shall notify the Department or authorized conservation district using the form entitled "Transferee/Co-permittee Application" of such pending change at least thirty (30) days prior to the change in ownership or control.
 - (b) The Transferee/Co-permittee Application form shall be accompanied by a written agreement between the existing permittee and the new owner or operator stating that the existing permittee shall be liable for violations of the permit up to and until the date of coverage transfer and that the new owner or operator shall be jointly and individually liable for permit violations under the permit from that date on.
 - (c) After receipt of an administratively complete and acceptable transferee/co-permittee application form, the Department or authorized conservation district shall notify the existing permittee and the new owner or operator of its decision concerning approval of the transfer of ownership or control. Such requests shall be deemed approved unless the Department or authorized conservation district notifies the applicant otherwise within thirty (30) days.
- (2) For purposes of this permit, operators shall include general contractors. If prior to construction activities, the owner is the permittee and an operator/general contractor is later identified to become a co-permittee, the owner shall:
- (a) Notify the Department or authorized conservation district by submitting an administratively complete and acceptable Transferee/Co-permittee Application form; and
 - (b) Ensure that monitoring reports and any other information requested under this permit shall reflect all changes to the permittee and the co-permittee name.
- (3) After receipt of the documentation described in (1) above, the permit will be considered modified by the Department or authorized conservation district. For the purposes of this permit, this modification is considered to be a minor permit modification.
- (4) Upon authorization of a change in ownership or control, the existing permittee shall provide a copy of the permit and approved plans to the new owner and/or co-permittee.

e. Removed Substances

Solids, sediments, and other pollutants removed in the course of treatment or control of stormwater shall be disposed in accordance with federal and state law and regulations, in order to prevent any pollutant in such materials from adversely affecting the environment.

f. BMP Construction, Operation and Maintenance

The permittee and co-permittee(s) are responsible for the design, installation, operation, and maintenance of the BMPs identified in the E&S Plan, PCSM Plan, and PPC Plan.

g. Adverse Impact

The permittee and co-permittee(s) shall take all reasonable steps to prevent, minimize, or cease any discharge in violation of this permit.

h. Reduction, Loss, or Failure of BMP

Upon reduction, loss, or failure of any BMP, the permittee and co-permittee shall take immediate action to restore, repair, or replace the BMP or provide an alternative method of treatment. Such restored BMP or alternative treatment shall be at least as effective as the original BMP when properly installed. These actions should be undertaken to ensure that there are no pollutional discharges to the waters of the Commonwealth. This requirement is applicable in situations where the BMP is rendered ineffective, whether the cause or source of the reduction, loss or failure is within or beyond the control of the permittee or co-permittee.

2. COMPLIANCE RESPONSIBILITIES

a. Duty to Comply

The permittee and co-permittee must comply with all terms and conditions of this Individual Permit. Any permit noncompliance constitutes a violation of the Pennsylvania Clean Streams Law and the federal Clean Water Act and is grounds for enforcement action; for permit termination, revocation, reissuance, or modification; or for denial of a permit or permit renewal.

b. Penalties for Violations of Permit Conditions

Any person who violates a permit condition, fails to take corrective action to abate violations or falsifies report or other documents may be subject to criminal and/or civil penalties or other appropriate action for violations of the terms and conditions of this Individual Permit under Sections 602 and 605 of the Clean Streams Law (35 P.S. §

691.602 and 691.605), and under the Clean Water Act as specified in 40 CFR § 122.41(a) (2) and (3), which are incorporated by reference.

c. Need to Halt or Reduce Activity Not a Defense

The permittee and/or co-permittee may not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the conditions of this permit.

d. Penalties and Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee or co-permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act (33 U.S.C. §1321) or Section 106 of Comprehensive Environmental Response, Compensation, and Liability Act (Act 42 U.S.C. § 9601).

e. Property Rights

This permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

f. Severability

The provisions of this permit are severable; and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

g. Other Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee or co-permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Clean Water Act.

h. Right of Entry

Pursuant to Sections 5(b) and 305 of the Pennsylvania Clean Streams Law (35 P.S. §§691.5(b) and 691.305), 25 Pa. Code Chapter 92a, and §1917-A of the Administrative Code of 1929, the permittee and co-permittee shall allow the Director of the Department, the EPA Regional Administrator, and/or an authorized representative of EPA, or the Department, conservation district or, in the case of a facility which discharges to a municipal separate storm sewer, an authorized representative of the municipal operator or the separate storm sewer receiving the discharge, upon the presentation of credentials and other documents, as may be required by law, to:

- (1) Enter upon the permittee's or co-permittee's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;
- (2) Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of this permit;
- (3) Inspect any facilities or equipment (including monitoring and control equipment); and
- (4) Observe or sample any discharge of stormwater.

i. Availability of Reports

Except for data determined to be confidential under Section 607 of the Clean Streams Law (35 P.S. §691.607), all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department or authorized conservation district. As required by the Clean Water Act, the Clean Streams Laws, and the Department's regulations at 25 Pa. Code § 92a.8 (relating to confidentiality of information), permit applications, permits, and other documents related to this permit shall not be considered confidential.

Streams Laws, and the Department's regulations at 25 Pa. Code § 92a.8 (relating to confidentiality of information), permit applications, permits, and other documents related to this permit shall not be considered confidential.

j. Penalties for Falsification of Reports

Section 309(c)(4) of the Clean Water Act provides that any person who knowingly makes any false material statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment for not more than two years or by both. In addition, criminal sanctions are set forth for false swearing and unsworn falsification at 18 Pa.C.S. §§ 4903-4904.

PART C
OTHER CONDITIONS

1. PROHIBITION OF NONSTORMWATER DISCHARGES

All discharges covered by this permit shall be composed entirely of stormwater. Discharges of material other than stormwater must be in compliance, when required, with an NPDES permit (other than this permit) issued for the discharge. Discharge of sewage or industrial waste (other than sediment under this permit) to an E&S BMP is not permitted.

The permittee/co-permittee may not discharge floating materials, oil, grease, scum, foam, sheen, and substances which produce odor, taste, or turbidity or settle to form deposits in concentrations or amounts sufficient to be, or create a danger of being, inimical to the water uses to be protected or human, animal, plant, or aquatic life.

2. ANTIDegradation IMPLEMENTATION REQUIREMENTS

To satisfy the antidegradation implementation requirements in § 93.4(b), 102.4(b)(6), and 102.8(h) (relating to implementation of antidegradation requirements), for an earth disturbance activity that requires a permit under this chapter and for which any receiving surface water of the Commonwealth that is classified as High Quality or Exceptional Value under Chapter 93, the person proposing the activity shall, in the permit application, do the following:

- (i) Evaluate and include nondischarge alternatives in the E&S Plan and PCSM Plan, unless a person demonstrates that nondischarge alternatives do not exist for the project.
- (ii) If the person makes the demonstration that nondischarge alternatives do not exist for the project, the E&S Plan and PCSM Plan must include ABACT, except as provided in § 93.4c(b)(iii).
- (iii) For the purposes of Chapter 102, nondischarge alternatives and ABACT and their design standards are listed in the Erosion and Sediment Pollution Control Program Manual and the Pennsylvania Stormwater Best Management Practices Manual, both as amended and updated.

3. EROSION AND SEDIMENT CONTROL PLANS

- a. Unless otherwise authorized by the Department or conservation district after consultation with the Department, earth disturbance activities shall be planned and implemented to the extent practicable in accordance with the following:
 - (1) Minimize the extent and duration of earth disturbance.
 - (2) Maximize protection of existing drainage features and vegetation.
 - (3) Minimize soil compaction.
 - (4) Utilize other measures or controls that prevent or minimize the generation of increased stormwater runoff.
- b. An E&S Plan shall be prepared in accordance with the requirements of 25 Pa. Code Chapter 102 and by a person trained and experienced in erosion and sediment control methods and techniques applicable to the size and scope of the project being designed. Each E&S Plan must be submitted to and approved by the Department or authorized conservation district. The BMPs shall be designed to minimize the potential for accelerated erosion and sedimentation in order to protect, maintain, reclaim, and restore water quality and existing and designated uses. Various BMPs and their design standards are listed in the *Erosion and Sediment Pollution Control Program Manual*, No. 363-2134-008, as amended and updated. The manual is available from the Department or authorized conservation district or can be downloaded from the Department's website at www.dep.state.pa.us. E&S Plans and BMPs, and revisions thereto, which meet the requirements of 25 Pa. Code Chapters 93, 96 (relating to water quality standards implementation), and 102, are conditions of this permit and are incorporated by reference.
- c. E&S Control Plans required under this permit are considered reports that shall be available to the public under Section 607 of the Clean Streams Law and 25 Pa. Code Chapter 92a of the Department's regulations. The owner or operator of a facility with stormwater discharges covered by this permit shall make E&S Plans available to the public upon request. E&S Plans must be made available at the site of the construction activity at all times.
- d. The staging of earth disturbance activities and maintenance requirements contained in the approved E&S Plan must be followed.
- e. Upon the installation or stabilization of all perimeter sediment control BMPs and at least three (3) days prior to proceeding with the bulk earth disturbance activities, the permittee or co-permittee shall provide notification to the Department or authorized conservation district.

- f. The E&S Plan must be consistent with the assumptions and requirements of any assigned Wasteload Allocations (WLAs) for the discharges as set forth in any applicable Total Maximum Daily Loads (TMDLs) established for the receiving waters.

4. RECYCLING AND DISPOSAL OF BUILDING MATERIALS AND WASTES

All building materials and wastes must be removed from the site and recycled or disposed in accordance with the Department's Solid Waste Management Regulations at 25 Pa. Code Ch. 260a (relating to hazardous waste management system: general), Ch. 271 (related to municipal waste management system – general provisions), and Ch.287 (relating to residual waste management system – general provisions). No building material or wastes or unused building materials shall be burned, buried, dumped, or discharged at the site.

5. PREPAREDNESS, PREVENTION, AND CONTINGENCY (PPC) PLANS

If toxic, hazardous, or other polluting materials will be on site, the permittee or co-permittee(s) must develop a PPC Plan for use while those materials are on site in accordance with 25 Pa. Code § 91.34 (relating to activities utilizing pollutants). The PPC Plan shall identify areas which may include, but are not limited to, waste management areas, raw material storage areas, fuel storage areas, temporary and permanent spoils storage areas, maintenance areas, and any other areas that may have the potential to cause noncompliance with the terms and conditions of this permit due to the storage, handling, or disposal of any toxic or hazardous substances such as oil, gasoline, pesticides, herbicides, solvents, concrete washwaters, etc. BMPs shall be developed and implemented for each identified area. The PPC Plan shall be maintained on site at all times and shall be made available for review at the Department's or authorized conservation district's request.

6. POST CONSTRUCTION STORMWATER MANAGEMENT PLANS

- a. The management of post construction stormwater shall be planned and conducted to the extent practicable in accordance with the following:
 - (1) Preserve the integrity of stream channels and maintain and protect the physical, biological, and chemical qualities of the receiving stream.
 - (2) Prevent an increase in the rate of stormwater runoff.
 - (3) Minimize any increase in stormwater runoff volume.
 - (4) Minimize impervious areas.
 - (5) Maximize the protection of existing drainage features and existing vegetation.
 - (6) Minimize land clearing and grading.
 - (7) Minimize soil compaction.
 - (8) Utilize other structural or nonstructural BMPs that prevent or minimize changes in stormwater runoff.
- b. A PCSM Plan shall be prepared in accordance with the requirements of 25 Pa. Code Chapter 102 and by a person trained and experienced in PCSM design methods and techniques applicable to the size and scope of the project being designed. The management of post construction stormwater shall be planned and conducted in accordance with 25 Pa. Code §102.8. Various BMPs and their design standards are listed in the *Pennsylvania Stormwater Best Management Practices Manual*, No. 363-0300-002, as amended and updated. The manual is available from the Department or authorized conservation district or can be downloaded from the Department's website at www.dep.state.pa.us. Each PCSM Plan must be submitted to the Department or authorized conservation district. The PCSM plan must employ stormwater management BMPs to control the volume, rate, and water quality of the post construction stormwater runoff so as to protect and maintain the chemical, physical, biological properties, and existing and designated uses of the waters of this Commonwealth.
- c. PCSM Plans required under this permit are considered reports that shall be available to the public under Section 607 of the Clean Streams Law and 25 Pa. Code Chapter 92a of the Department's regulations. The owner or operator of a facility with stormwater discharges covered by this permit shall make PCSM Plans available to the public upon request. The PCSM Plans must be made available at the site of the construction activity at all times.
- d. A licensed professional or their designee shall be present onsite and be responsible for oversight of critical stages of implementation of the approved PCSM Plan. The licensed professional will be responsible to provide a final certification, pursuant to 25 Pa. Code § 102.8(l) along with the required NOT and record drawings, indicating that the project site was constructed in accordance with the approved or modified PCSM Plan.
- e. The PCSM Plan must be consistent with the assumptions and requirements of any available WLAs for the discharges as set forth in any applicable TMDLs established for the receiving waters.

- f. The portion of a site reclamation or restoration plan that identifies PCSM BMPs to manage stormwater from pipelines or other similar utility infrastructure may be used to satisfy the PCSM requirements if the PCSM reclamation, or restoration plan meets the requirements of 25 Pa. Code § 102.8(b), (c), (e), (f), (h), (i) and (l), and when applicable, (m).

7. PRECONSTRUCTION CONFERENCES

For earth disturbance activities authorized by this permit, a preconstruction meeting is required, unless the permittee has been notified otherwise in writing by the Department or authorized conservation district. The permittee shall invite the Department or authorized conservation district to attend the preconstruction meeting and provide at least seven (7) days' notice of the preconstruction meeting to all invited attendees. Permittees, co-permittees operators, and licensed professionals, or designees responsible for earth disturbance activity, including implementation of E&S, PCSM and PPC Plans and critical stages of implementation of the approved PCSM Plan, shall attend the preconstruction meeting. Permittees, Co-permittees, Operators and Licensed Professionals are responsible for ensuring that all activities on the site comply with the requirements of the permit.

8. SPOIL OR BORROW AREA

An E&S Plan or other authorization meeting the regulatory requirements detailed in 25 Pa. Code § 102.4(b) shall be received and approved by the Department or authorized conservation district and implemented for all spoil and borrow areas, regardless of their location.

Clean Fill Requirements

Any person placing clean fill that has been affected by a spill or release of a regulated substance must use Department Form FP-001 (Certification of Clean Fill) to certify the origin of the fill material and the results of the analytical testing to qualify the materials as clean fill. The form must be retained by the owner of the property receiving the fill. Fill material not qualifying as clean fill is regulated fill and must be managed in accordance with the Department's municipal or residual waste regulations based on 25 Pa. Code Chapters 271 or 287, whichever is applicable.

9. PHASED PROJECTS

Prior to the commencement of earth disturbance activities for subsequent phases of the project, the permittee or co-permittee shall submit an E&S Plan and PCSM Plan and supporting information for each additional phase or portion of the project to the Department or authorized conservation district for approval. Coverage under this permit is only granted for those phases or portions of a project for which an E&S Plan and PCSM Plan has been submitted and approved by the Department or authorized conservation district.

10. CLARIFICATION ASSISTANCE

The permittee or co-permittee shall contact the Department or authorized conservation district for clarification of any requirements contained in the E&S Plan, PCSM Plan, PPC Plan, or other documents related to this permit.

11. WETLAND PROTECTION

If hydric soils or other wetland features are present, a wetland determination must be conducted in accordance with Department procedures. A copy of the wetland determination should be provided to the Department or authorized conservation district as part of the NOI/application. All wetlands identified must be included on the E&S Plan and PCSM Plan. Special precautions must be taken to protect wetlands and other water resources identified in the NOI, plans, and other supporting documents.

12. INFILTRATION BMPs

Where infiltration BMPs are being utilized, the permittee and co-permittee must ensure that soil compaction is avoided or minimized in those areas. If the areas planned for infiltration BMPs are compromised through compaction or other means, additional soil testing must be performed to verify that the BMP will perform as planned.

13. STABILIZATION

Upon final completion of an earth disturbance activity or any stage or phase of an activity; or temporary cessation of the earth disturbance activity, or any stage or phase of an activity where the cessation of earth disturbance will exceed four (4) days, the project site shall be immediately stabilized in accordance with the requirements of 25 Pa. Code §102.22(a) or (b) (relating to site stabilization), as applicable. E&S BMPs shall be implemented and maintained until permanent stabilization is completed. Once permanent stabilization has been established the temporary E&S BMPs shall be removed. Any areas disturbed in the act of removing temporary E&S BMPs shall be permanently stabilized upon completion of the temporary E&S BMP removal activity.

14. SEWAGE FACILITIES

Earth disturbance may not commence until all related Act 537 Sewage Facilities Planning approvals have been obtained.

15. LONG-TERM OPERATION AND MAINTENANCE

- a. The permittee or co-permittee shall be responsible for long-term operation and maintenance of PCSM BMPs unless a different person is identified in the NOT and that person has agreed to long-term operation and maintenance of PCSM BMPs.
- b. For any property containing a PCSM BMP, the permittee or co-permittee shall record an instrument with the Recorder of Deeds which will assure disclosure of the PCSM BMP and the related obligations in the ordinary course of a title search of the subject property. The recorded instrument must identify the PCSM BMP, provide for necessary access related to long-term operation and maintenance for PCSM BMPs, and provide notice that the responsibility for long-term operation and maintenance of the PCSM BMPs is a covenant that runs with the land that is binding upon and enforceable by subsequent grantees, and provide proof of filing with the NOT under 25 Pa. Code § 102.8(m)(2).
- c. For Commonwealth owned property, a covenant that runs with the land is not required until the transfer of the land containing a PCSM BMP occurs. Upon transfer of the Commonwealth-owned property containing the PCSM BMP, the deed must comply with 25 Pa. Code § 102.8(m)(3). An agency of the federal government shall not be required to make or record a declaration of covenants on its property until transfer of the property to a non-federal or non-commonwealth entity or individual. Upon transfer of the Commonwealth owned or federally owned property containing the PCSM BMP, the deed must comply with 25 Pa. Code § 102.8(m)(3).
- d. The person responsible for performing long-term operation and maintenance may enter into an agreement with another person, including a conservation district, nonprofit organization, municipality, authority, private corporation, or other person, to transfer the responsibility for PCSM BMPs or to perform long-term operation and maintenance and provide notice thereof to the Department.
- e. A permittee or co-permittee that fails to transfer long-term operation and maintenance of the PCSM BMPs or otherwise fails to comply with this requirement, shall remain jointly and severally responsible with the landowner for long-term operation and maintenance of the PCSM BMPs located on the property.
- f. Unless a later date is approved by the Department in writing, the permittee shall record an instrument as required under 25 Pa. Code Subsection 102.8(m)(2) and condition 15b of this permit within 45 days from the date of issuance of this permit or authorization. Unless the Department authorizes a different procedure, the long-term operation and maintenance plan shall be recorded along with the instrument. Unless a later date is approved by the Department in writing, the permittee shall provide the conservation district and the Department with the date and place of recording along with a reference to the docket, deed book or other record, within 90 days from the date of issuance of this permit or authorization.
- g. Unless an alternative process is approved by the Department in writing, upon the sale or other transfer of any parcel, lot, road or other real property included within the permit boundary, the permittee shall notify the purchaser, grantee, or transferee of the long-term PCSM BMP operation and maintenance requirements. The permittee shall expressly identify the PCSM BMPs on each property, the schedule for inspection and reporting, the person or entity responsible for long-term operation and maintenance of the PCSM BMPs and how access to the BMPs will be achieved and shall obtain approval from the purchaser, grantee or transferee. Unless a later date is approved by the Department in writing, the permittee shall provide the conservation district and the Department with notice of compliance with this section within 45 days from the date of transfer of the property and at the time the permittee files a Notice of Termination.

16. RIPARIAN BUFFER REQUIREMENTS

- a. Persons proposing or conducting earth disturbance activities under this permit may not conduct earth disturbance activities within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir when the project site is located in an exceptional value or high quality watershed attaining its designated use as listed by the Department at the time of application and shall protect any existing riparian buffer in accordance with Section 102.14(a)(1).
- b. Persons proposing or conducting earth disturbance activities under this permit, where the project is located in an exceptional value or high quality watershed where there are waters failing to attain one or more designated uses as listed in Category 4 or 5 on Pennsylvania's Integrated Water Quality Monitoring and Assessment report, as amended and updated, at the time of application, and the project site contains, is along or within 150 feet of a perennial or intermittent river, stream, or creek, lake, pond, or reservoir shall do one of the following: (1) protect

- an existing riparian forest buffer, (2) convert an existing riparian buffer to a riparian forest buffer, or (3) establish a new riparian forest buffer.
- c. To qualify as a riparian forest buffer, an existing, converted, or newly established riparian forest buffer, whether mandatory or voluntary, must meet the requirements related to composition, width and management contained in 25 Pa. Code § 102.14(b).
 - d. All riparian buffers must meet the following management requirements:
 - (1) ensure that stormwater enters the riparian buffer as sheet flow or shallow concentrated flow during storm events up to and including the 2 year/24 hour storm.
 - (2) Wetlands located in the riparian buffer shall be protected and maintained consistent with Chapter 105 (relating to dam safety and waterway management.)
 - (3) Riparian buffers must be measured horizontally and perpendicularly to the bank with no more than 10% variation below the minimum width from the normal pool elevation for lake, pond or reservoir and from top of streambank.
 - e. Activities exempt from riparian buffer requirements are listed in 25. Pa. Code § 102.14(d)(1).
 - f. Earth disturbance activities listed under 25 Pa. Code § 102.14(d)(2), may request a waiver of the riparian buffer requirements, upon a demonstration by the applicant that there are reasonable alternatives for compliance, so long as any existing riparian buffer is undisturbed to the extent practicable and the activity will meet all other requirements. Applicants requesting a waiver shall submit a written request for a waiver to the Department or Conservation district. Projects qualifying for a waiver must comply with all other requirements of Chapter 102.
 - g. Riparian forest buffers meeting all regulatory requirements will prevent thermal impacts and are a nondischarge alternative. Credits may be available for trading or offsets in accordance with any procedures established by the Department or any regulations related to trading or offsetting developed under the Title 25 of the Pennsylvania Code regulations.
 - h. The following practices and activities are prohibited within the riparian buffer:
 - (1) Soil disturbance by grading, stripping of topsoil, plowing, cultivating or other practices except as allowed in paragraph 102.14(j)(1).
 - (2) Draining by ditching, underdrains or other drainage systems.
 - (3) Housing, grazing or otherwise maintaining animals for agricultural or commercial purposes.
 - (4) Storing or stockpiling materials.
 - (5) Off- road vehicular travel.
 - i. The following practices and activities are allowable in the riparian buffer when authorized by the Department:
 - (1) Construction or placement of roads, bridges, trails, storm drainage, utilities or other structures.
 - (2) Water obstructions or encroachments.
 - (3) Restoration projects.
 - j. The following practices and activities are allowed within the riparian buffer:
 - (1) Activities or practices used to maintain the riparian buffer including the disturbance of existing vegetation, and tree and shrub removal, as needed to allow for natural succession of native vegetation and protection of public health and safety.
 - (2) Timber harvesting activities in accordance with the riparian forest buffer management plan as part of the PCSM Plan.
 - (3) Passive or low impact recreational activities so long as the functioning of the riparian buffer is maintained.
 - (4) Emergency response and other similar activities.
 - (5) Research and data collection activities, which may include water quality monitoring and stream gauging.
 - k. Permittees and co-permittees who protect an existing riparian buffer or convert or establish a riparian buffer shall provide permanent protection for the riparian buffer which must be protected in perpetuity through deed restriction, conservation easement, local ordinance, permit conditions or any other mechanisms that ensure the long term functioning and integrity of the riparian buffer as a PCSM BMP. The boundary limit of the riparian buffer must be identified and clearly marked.

- I. Permittees and co-permittees who protect an existing riparian buffer or convert or establish a riparian buffer shall complete data forms provided by the Department and submit the forms to the Department or Conservation district within one year of establishment or protection.

17. MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s) MCM FULFILLMENT

MS4s subject to PAG-13 permit coverage requirements may choose to rely on Pennsylvania's Chapter 102 permitting program and this permit to satisfy their MS4 NPDES permit obligations related to their MCM 4 (Construction) and MCM 5 (Post Construction), BMPs 1 through 3 obligations as part of a qualified local program.

APPENDIX A

The following numeric effluent limits or other special conditions are incorporated as terms and conditions with this permit authorization.

Work shall not occur within the floodplain of Black Run until the Department has authorized the Chapter 105 Water Obstruction and Encroachment Permit related to such activities.

NPDES Permit No.	Applicant Name & Address	County	Municipality	Receiving Water/Use
PAD220004	Hawthorne SPE, LLC 3605 Vartan Way Suite 301 Harrisburg, PA 17110	Dauphin	Susquehanna Township	Black Run (WWF, MF)



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

November 25, 2019

Susquehanna Township Commissioners
1900 Linglestown Rd.
Harrisburg, PA 17110

Re: Approval Letter – Revision
Act 537 Planning
Susquehanna Union Green Development
DEP CODE NO. A3-22931-353-3
APS ID No. 998395; AUTH ID No. 1282135
Susquehanna Township, Dauphin County

Dear Commissioners:

The Department of Environmental Protection (DEP) has reviewed the proposed Official Plan revision consisting of a mixed-use neighborhood development and town center. The proposed development is located at the southeast corner of the intersection of Linglestown Road and Progress Avenue in Susquehanna Township, Dauphin County.

The intent of the project is to develop a 58.8-acre plot for commercial and residential uses. Sewage flows of 122,000 gallons per day will be disposed of via the collection and conveyance systems of Susquehanna Township Authority, with continued conveyance and final treatment occurring via the facilities of Capital Region Water.

This plan revision is approved with the following comments:

1. In accordance with Section 207(b) of the Pennsylvania Clean Streams Law (CSL), collector sewers which will not serve more than 250 single family dwelling units or their equivalent sewage flow do not need a permit for construction and operation under the CSL. This planning approval, as it applies to these facilities, is given on the condition that collector sewers qualifying for permit exemption must be designed, constructed and operated in accordance with the technical standards and practices contained in DEP's Domestic Wastewater Facilities Manual (October 1997). All portions of new or modified sewage facilities included in this planning approval which do not qualify for the permit exemption, such as trunk lines, pump stations, force mains and treatment plants, must obtain a CSL permit from DEP prior to construction or modifications. The permit exemption created by Section 207(b) of the CSL applies only to permits under the CSL. Other DEP permits may be required for construction of collector sewers if encroachments to streams or wetlands will result. Should you need a permit, a copy of this letter must accompany the application. This

permit may be obtained from the Clean Water Program at the letterhead address or by telephone at 717.705.4802.

2. All connections tributary to the Paxton Creek Interceptor must be in accordance with the annual sewer connection allocation provision in the June 20, 2019 Consent Order and Agreement made between DEP and Susquehanna Township Authority.
3. Information regarding the requirements for permits or approvals to address encroachments to streams or wetlands can be obtained from DEP's Waterways and Wetlands Program at the letterhead address or by telephone at 717.705.4802.

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (Board), pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board's address is:

Environmental Hearing Board
Rachel Carson State Office Building, Second Floor
400 Market Street
P.O. Box 8457
Harrisburg, PA 17105-8457

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800-654-5984.

Appeals must be filed with the Board within 30 days of receipt of notice of this action unless the appropriate statute provides a different time. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

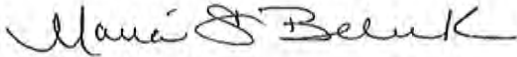
A Notice of Appeal form and the Board's rules of practice and procedure may be obtained online at <http://ehb.courtapps.com> or by contacting the Secretary to the Board at 717-787-3483. The Notice of Appeal form and the Board's rules are also available in braille and on audiotape from the Secretary to the Board.

IMPORTANT LEGAL RIGHTS ARE AT STAKE. YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD AT 717-787-3483 FOR MORE INFORMATION. YOU DO NOT NEED A LAWYER TO FILE A NOTICE OF APPEAL WITH THE BOARD.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.

If you have any questions or concerns, please contact Cory Zimmerman at (717) 705-4793 and refer to DEP Code No. A3-22931-353-3, Application No. 998395, and Authorization No. 1282135.

Sincerely,



Maria D. Bebenek, P.E.
Program Manager

cc: Vartan Group (Attn: Catherine Wilsbach)
H. F. Lenz Company (Attn: Bryan J. Clement)
Capital Region Water
Dauphin County Planning Commission

As permissible by Susquehanna Township, the required parking for Phase IIB of the Susquehanna Union Green project was determined utilizing the Urban Land Institute (ULI) *Shared Parking* manual, second edition. Based on information provided by the ULI, a fundamental principal of Shared Parking has been to share parking resources rather than to allocate parking for each use or building. Mixed-use developments that share parking result in greater density, better pedestrian connectivity, and in turn reduced reliance on driving because multiple destinations have accessibility by walking. Utilizing Shared Parking is one tool used in the development of smart growth principals designed to facilitate development without sprawl.

One of the key goals of Susquehanna Union is that of *Place Making* by creating town centers and urban villages with mixed uses in a pedestrian friendly setting. As a result, it is appreciated to implement shared parking in accordance with the guidance presented by ULI for the development of Susquehanna Union Green.

METHODOLOGY

The parking demand for Phase IIB of the Susquehanna Union Green was as per the procedures indicated in Chapter 3 of Urban Land Institute (ULI) *Shared Parking* manual. For the purposes of Phase IIB only, the parking ratios for each usage were used in the calculation of the parking demand as sufficient parking has be provided for this phase. However, as the site develops, it will be necessary to account for shared parking. As a result, parking demand for subsequent phases will reflect shared parking considerations.

Parking demand was determined by separating out each use by use (building) area and applying a parking ration associated with that use. Refer to attached *Parking Ratios and Unadjusted Demand for Each Land Use* table.

Parking for Phase IIB will be provided within the parking area of the previously approved Phase IIA area of the development (specifically Buildings 6, 7, and 8) and by spaces provided within the right-of-ways, of Union Green Way and the gravel road. As a result, the required parking demand was added to the previously determined parking demand for Buildings 6, 7, and 8 as demonstrated below:

PARKING DEMAND

Below is a table, which indicates the usage and area by building along with the required parking for both a weekday and weekend period, based on the parking ratios provided in the *Parking Ratios and Unadjusted Demand for Each Land Use* table.

EXHIBIT 1 - PARKING DEMAND

Retail					
Building #	GSF	NSF	Total Weekday	Total Weekend	
6	9,545	7,636.0	27	31	
7	4,545	3,636.0	13	15	Assume half Retail and half Fine Cuisine (Total 9,090 GSF)

Fine Cuisine					
Building #	GSF	NSF	Total Weekday	Total Weekend	
7	4,545	3,636.0	65	73	Assume half Retail and half Fine Cuisine (Total 9,090 GSF)

Office					
Building #	GSF	NSF	Total Weekday	Total Weekend	
8	4,350		17	2	
16	9,000		34	3	
17	6,000		23	2	

TOTAL 37,985 180 125

As indicated in the table, the required parking demand is as follows:

- Total 180 parking stalls for weekday
- Total 25 parking stalls for weekend

As indicated on the following Exhibit, the total parking available for Buildings 6, 7, and 8 of Phase IIA and Buildings 16 and 17 of Phase IIB is 203.