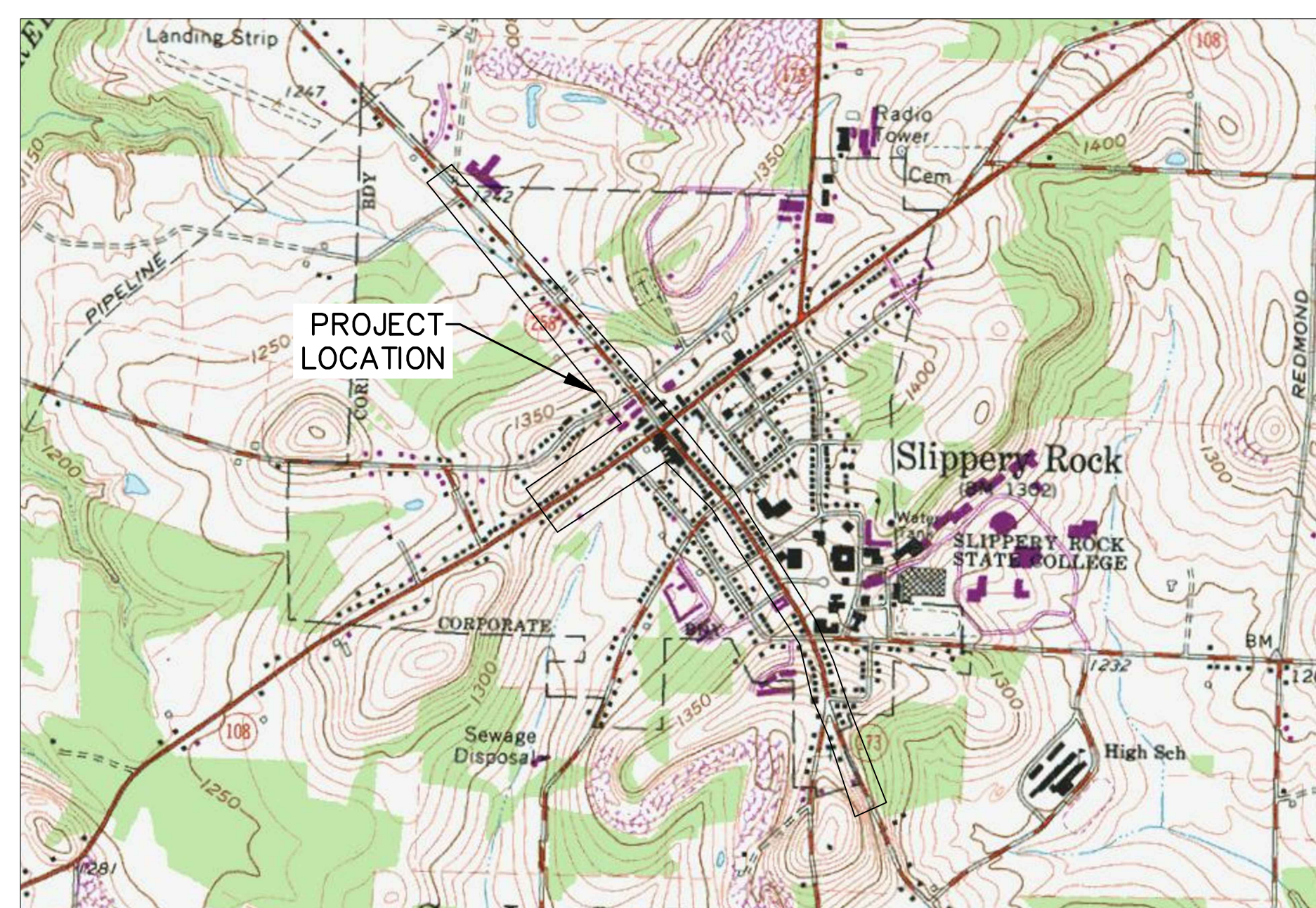


SRMA WATER AND SANITARY SEWER LINE REPLACEMENT PROJECT

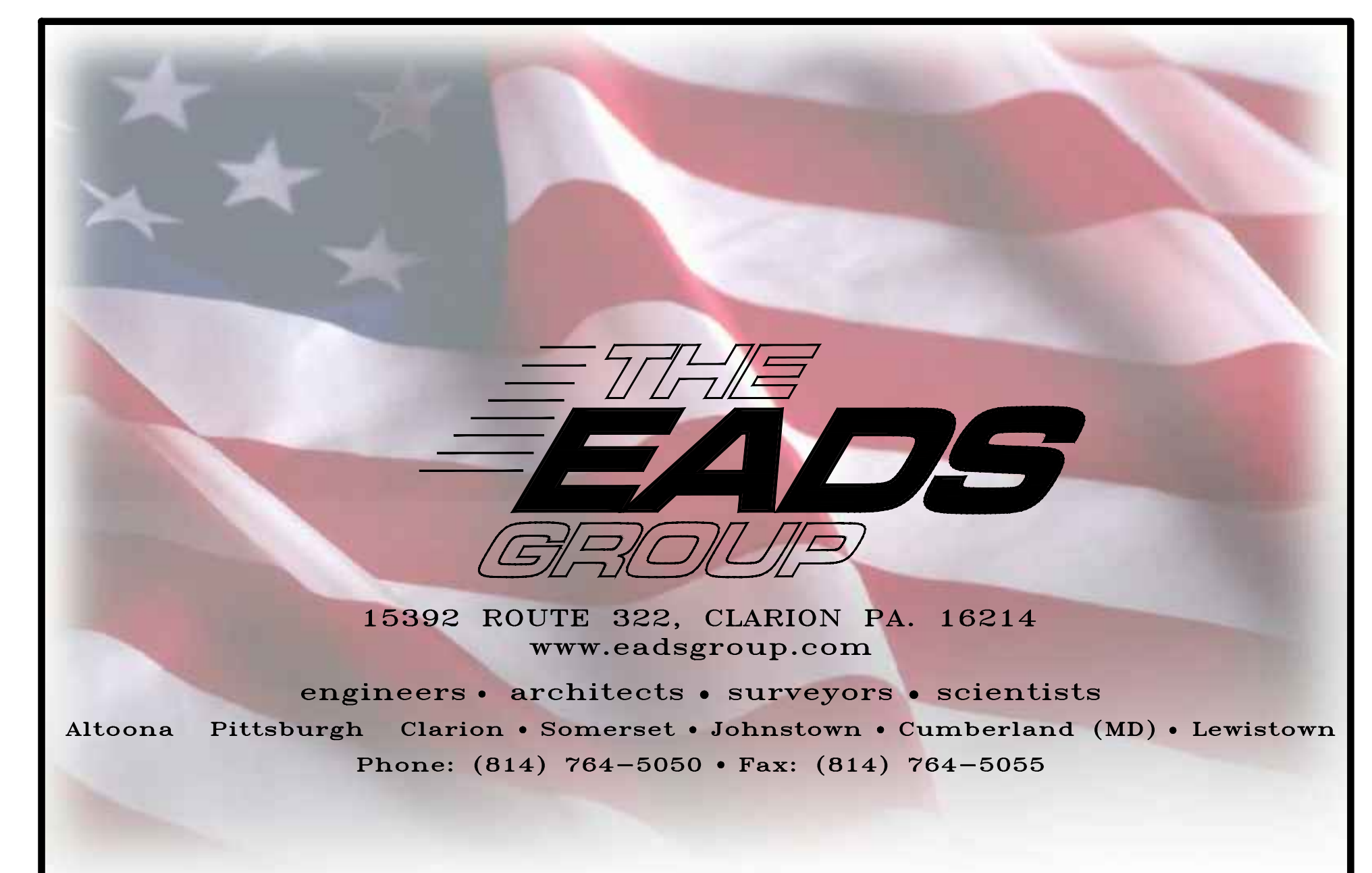
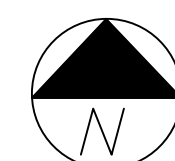
**CONTRACTS 2018-S-1, 2018-W-01,
2018-P-01, 2018-E-01**

**SLIPPERY ROCK BOROUGH
BUTLER COUNTY, PA**

OCTOBER 2018



LOCATION MAP
1" = 40'



GENERAL NOTES

1. UTILITY LINE LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. FIELD VERIFICATION IS REQUIRED PRIOR TO ANY CONSTRUCTION. REFER TO THE BOUND PROJECT MANUAL FOR PA ONE CALL, ACT 287 (AS AMENDED), UNDERGROUND UTILITY INFORMATION. UNDERGROUND TELEPHONE, ELECTRIC, GAS, SANITARY SEWER AND STORMWATER DRAINAGE LINES, AND WATER LINES MAY BE PRESENT AT SOME WORK LOCATIONS.
2. ALL WORK WITHIN THE MUNICIPAL RIGHT-OF-WAY SHALL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY AND THE CONTRACT DOCUMENTS.
3. ALL WORK WITHIN PENNDOT'S LEGAL RIGHT-OF-WAY SHALL BE CONDUCTED IN ACCORDANCE WITH PENNDOT PUBLICATION 408 LATEST EDITION.
4. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES IN THE EVENT ITEMS SUCH AS TEMPORARY POLE SHORING ARE REQUIRED. THIS WORK SHALL BE COMPLETED AT NO ADDITIONAL COST TO THE OWNER.
5. EXISTING DRAINAGE FACILITIES SHALL REMAIN INTACT DURING AND FOLLOWING CONSTRUCTION, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED SEWER.
7. REFER TO REAR OF PROJECT MANUAL FOR TYPICAL DETAILS.
8. EXISTING PIPE LOCATIONS SHOWN ARE APPROXIMATE, CONTRACTOR SHALL FIELD VERIFY.
9. CONTRACTOR SHALL SUPPORT AND STABILIZE THE EXISTING MANHOLES WHILE EXCAVATING FOR THE SANITARY SEWER EXTENSION. ANY DAMAGE TO THE EXISTING MANHOLES DESIGNATED TO REMAIN SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE. IF THE CONTRACTOR CAUSES MAJOR STRUCTURAL DAMAGE AND/OR CRACKS IN THE MANHOLE, THE DAMAGED SECTIONS SHALL BE REPLACED.
10. IF A STRUCTURE OR FACILITY IS DAMAGED DURING CONSTRUCTION WITHIN PENNDOT OR MUNICIPAL RIGHT-OF-WAY, THE CONTRACTOR SHALL REPLACE THE DAMAGED ITEMS AND COMPLETE NECESSARY RESTORATION AT NO ADDITIONAL COST TO THE OWNER.
11. MANHOLES TO BE REMOVED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR AT AN APPROVED OFF SITE LOCATION. SANITARY SEWER LINES TO BE ABANDONED SHALL BE LEFT IN PLACE.
12. ALL AREAS DISTURBED BY THE CONSTRUCTION WORK SHALL BE RESTORED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS TO THEIR ORIGINAL CONDITION OR BETTER.
13. ALL DISTURBED AREAS NOT RECEIVING OTHER SURFACE TREATMENT SHALL BE GRADED, SEEDED, AND MULCHED.
14. CONTRACTOR SHALL REFER TO CONTRACT DOCUMENTS FOR SOIL EROSION & SEDIMENTATION CONTROL PLAN REQUIREMENTS.
15. EXISTING WATERLINES AND SANITARY SEWER LINES SHALL REMAIN IN OPERATION DURING CONSTRUCTION. CONTRACTOR SHALL SUPPORT AND STABILIZE THE EXISTING WATERLINES AND SANITARY SEWER LINES WHILE EXCAVATING FOR THE PROPOSED WATER AND SANITARY SEWER LINE INSTALLATION. ANY AND ALL TEMPORARY PIPING AND PUMPING NECESSARY TO MAINTAIN POTABLE WATER SERVICE AND/OR SANITARY SEWAGE SERVICE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
16. TEST PITS SHALL BE EXCAVATED, AT LOCATIONS SHOWN ON THE DRAWINGS, TO FIND EXISTING UTILITIES IDENTIFIED AND MARKED PER PA ONE CALL REQUIREMENTS BEFORE THE INSTALLATION OF THE PROPOSED WATER AND SANITARY SEWER LINES. ONCE UTILITIES HAVE BEEN LOCATED HORIZONTALLY AND VERTICALLY, UTILITIES SHALL BE MARKED AND CARE SHALL BE TAKEN TO NOT DAMAGE THE UTILITIES DURING CONSTRUCTION. ANY UTILITIES DAMAGED DURING THE EXCAVATION OF THE TEST PIT OR DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. A FORM OF HYDRO/VACUUM EXCAVATION SHALL BE USED FOR ALL TEST PITS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
17. LOCATING UTILITIES WHILE INSTALLING THE SEWER LINE AND/OR WATER LINE IS NOT CONSIDERED A TEST PIT AND THEREFORE WILL NOT BE PAID FOR. TEST PITS MUST BE PERFORMED FAR ENOUGH IN ADVANCE TO LOCATE THE UTILITY AND ADJUST GRADES TO AVOID SAID UTILITY.
18. MAINTAIN ACCESS TO DRIVEWAYS AND ENTRANCES LOCATED ALONG THE PROJECT. DO NOT USE PRIVATELY OWNED PROPERTY FOR STORAGE OF EQUIPMENT / MATERIALS WITHOUT THE PROPERTY OWNERS EXPRESS WRITTEN PERMISSION.
19. MILL PAVEMENT AT ALL EXISTING DRIVEWAYS TO MATCH EXISTING DRIVEWAY ELEVATIONS. MILLING SHALL BE INCIDENTAL TO THE CONTRACT.
20. ALL PENNDOT ADVANCED WORK ZONE SIGNING SHALL BE ON PENNDOT TYPE III BARRICADES AND BE ON PENNDOT TYPE III SHEETING.
21. CONTRACTOR SHALL REMOVE, PROTECT AND REPLACE ALL SIGNS, MAILBOXES, FENCING AND OTHER STRUCTURES AS REQUIRED FOR THE INSTALLATION OF THE WATER AND SANITARY SEWER LINES.
22. THE CONTRACTOR SHALL FURNISH, ERECT, PLACE AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES AND MAINTAIN TRAFFIC DURING THE HOURS OF CONSTRUCTION AND AT ALL OTHER TIMES IN ACCORDANCE WITH THE METHODS INDICATED IN THE CONTRACT DOCUMENTS AND THE PENNDOT HIGHWAY OCCUPANCY PERMIT RECEIVED FOR THIS PROJECT. IMMEDIATELY UPON COMPLETION OF THE WORK, REMOVE THE TRAFFIC CONTROL DEVICES. PENNDOT WILL REMOVE ANY TRAFFIC CONTROL DEVICES ERECTED BY PENNDOT FORCES. AT THE END OF EACH WORKDAY, OPEN CLOSED LANES OF ROADWAYS TO MAINTAIN TWO-WAY TRAFFIC. PLATING TRENCHES WILL NOT BE ACCEPTABLE.
23. DURING NON-WORKING HOURS, ALL OPEN EXCAVATIONS SHALL BE COMPLETELY BACKFILLED. ALL OPEN EXCAVATIONS IN MUNICIPAL ROADWAYS AND IN PRIVATE DRIVEWAYS SHALL BE COMPLETELY BACKFILLED. OPENINGS IN BITUMINOUS MUNICIPAL ROADWAYS SHALL BE PROTECTED WITH A TEMPORARY LAYER OF BITUMINOUS COLD PATCH (2" MIN.) UNTIL PERMANENT PAVEMENT RESTORATION IS COMPLETED. EXCAVATIONS WITHIN PENNDOT RIGHT-OF-WAY SHALL BE BACKFILLED AT THE END OF THE WORKING DAY OR 24-HOUR FLAGGING OPERATION SHALL BE PROVIDED.
24. THE TRENCH MUST BE BACKFILLED AT THE END OF EACH WORKING DAY.
25. SEPARATION OF WATER MAINS AND SEWERS - WHERE THE PROPOSED WATER MAIN CROSSES EXISTING STORM DRAINS OR SANITARY SEWERS, THE WATER MAIN SHALL BE INSTALLED AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS 18 INCHES ABOVE THE TOP OF THE STORM DRAIN OR SEWER. THIS VERTICAL SEPARATION SHALL BE MAINTAINED FOR THE PORTION OF THE WATER MAIN LOCATED WITHIN 10 FEET HORIZONTALLY OF ANY STORM DRAIN OR SEWER IT CROSSES. THE 10 FOOT DISTANCE SHALL BE MEASURED AS A PERPENDICULAR DISTANCE FROM THE STORM DRAIN OR SEWER TO THE WATERLINE. IF THE PROPOSED WATER MAIN MUST CROSS UNDER AN EXISTING STORM DRAIN OR SANITARY SEWER, A VERTICAL SEPARATION OF AT LEAST 18 INCHES BETWEEN THE BOTTOM OF THE STORM DRAIN OR SEWER AND THE TOP OF THE WATER MAIN SHALL BE PROVIDED AND THE WATER MAIN SHALL BE ENCASED IN CONCRETE TO PROVIDE ADEQUATE STRUCTURAL SUPPORT FOR THE STORM DRAIN OR SEWER. THE WATER LINE SHALL BE INSTALLED SO THAT THE NEAREST JOINTS ARE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE STORM DRAIN OR SEWER.
26. THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION VEHICLES (INCLUDING MATERIAL SUPPLIER VEHICLES) LEAVING THE PROJECT AREA HAVE MUD BUILDUP REMOVED FROM THE TIRES BEFORE EXITING ONTO PAVED ROADWAYS. ALL MUD TRACKED ONTO PAVED ROADWAYS SHALL BE IMMEDIATELY REMOVED FROM THE ROADWAY.
27. CONTROL DUST GENERATED BY TRAFFIC AND CONSTRUCTION EQUIPMENT USING ROADWAYS IN CONSTRUCTION AREAS. PERIODICALLY WET AND SWEEP ROADWAY SURFACES AS REQUIRED. MAINTAIN BACKFILL TO GRADE IN TRENCHES AND DISTURBED PORTIONS OF ROADWAYS BEFORE FINAL PAVING OPERATIONS TO AVOID RUTTING AND POTHLES.
28. THE PROPERTY LINES SHOWN ON THE CONTRACT DRAWINGS ARE APPROXIMATE AND WERE DERIVED FROM COUNTY TAX MAP RECORDS AND REFLECT THE ACCURACY AND/OR INACCURACY OF THE TAX MAP RECORDS. NO FIELD SURVEYS WERE PERFORMED TO DETERMINE PROPERTY BOUNDARIES.
29. ALL GROUND CONTOUR LINES AND ELEVATIONS SHOWN ARE FINISHED GRADES.
30. RIM ELEVATIONS SHOWN ON DRAWINGS ARE FOR REFERENCE PURPOSES ONLY. ACTUAL RIM ELEVATIONS ARE TO BE SET IN THE FIELD PER FIELD CONDITIONS.
31. ALL GRAVITY SANITARY SEWER LINES SHALL BE SDR 35, PRESSURE/FORCE MAIN SEWER LINES SHALL BE SDR 11, AND WATER LINES SHALL BE DR 18, C900, UNLESS OTHERWISE NOTED.
32. GRAVITY SANITARY SEWERS AND FITTINGS SHALL BE PVC (SDR 35). PRESSURE FITTINGS SHALL BE ELECTRO FUSED HDPE.
33. GRAVITY SANITARY SEWER LATERALS SHALL BE CONSTRUCTED FROM THE SEWER MAIN TO THE PROPERTY LINE OF THE STRUCTURE BEING SERVED, UNLESS SHOWN OTHERWISE.
34. ALL GRAVITY SEWER LATERALS ARE TO BE INSTALLED USING OPEN TRENCH METHOD UNLESS OTHERWISE NOTED. ALL PRESSURE LATERALS ARE TO BE INSTALLED USING HORIZONTAL DIRECTIONAL DRILLING.
35. CONNECTIONS MADE FROM EXISTING SDR 35 TO NEW SDR 35 PIPE SHALL BE MADE USING SOLID SLEEVE COUPLINGS. CONNECTIONS TO OTHER PIPE MATERIALS SHALL BE MADE USING FLEXIBLE COUPLINGS WITH A STAINLESS STEEL SHEAR RING (ALSO REFERRED TO AS A SHEAR RING FERNCO).

36. WYE CONNECTIONS SHALL BE USED TO CONNECT SERVICE LATERALS TO ALL PVC GRAVITY SEWER PIPE. ELECTRO FUSED SADDLE CONNECTIONS SHALL BE USED TO CONNECT SERVICE LATERALS TO ALL MAIN LINE HDPE PRESSURE SEWER PIPE.
37. LIMITS OF ASPHALT RESTORATION ARE SHOWN ON THE DRAWINGS AND IN THE STANDARD DETAILS. DISTURBANCE OF AREAS BEYOND THE LIMIT OF RESTORATION SHALL BE RESTORED AT THE CONTRACTORS EXPENSE. NO CLAIMS FOR COMPENSATION SHALL BE CONSIDERED FOR RESTORATION BEYOND THE PAY LIMITS SHOWN ON THE STANDARD DETAILS.
38. REPLACE EXISTING WATER SERVICE LINES FROM THE WATER MAIN TO THE CURB STOP. PROVIDE NEW CURB STOPS AND BOXES. IF EXISTING CURB STOPS ARE WITHIN THE PUBLIC RIGHT-OF-WAY, INSTALL NEW CURB STOPS AT THE RIGHT-OF-WAY LINE OR AS DIRECTED BY THE AUTHORITY.
39. EXISTING WATERLINE VALVES WILL BE OPERATED BY THE AUTHORITY ONLY.
40. PROVIDE TEMPORARY BARRICADES AND SAFETY FENCING AS REQUIRED TO PROTECT PEDESTRIANS FROM CONSTRUCTION OPERATIONS.
41. ALL UTILITY CROSSINGS ARE SHOWN WITH APPROXIMATE DEPTH AND LOCATIONS.
42. CURB STOPS SHALL BE INSTALLED AT THE EDGE OF THE RIGHT-OF-WAY FOR ALL SERVICE LATERALS.
43. ALL STANDARD DETAILS REFERENCED IN THE DRAWINGS ARE LOCATED IN THE REAR OF THE SPECIFICATIONS.
44. WATER SERVICE LATERALS TO WEST SIDE OF SR 258 WILL BE INSTALLED USING TRENCHLESS CONSTRUCTION METHODS. WATER SERVICE LATERALS TO EAST SIDE OF SR 258 WILL BE INSTALLED BY OPEN CUT.
45. WATER LINES AND SANITARY SEWER LINES SHALL BE INSTALLED AT A MINIMUM OF FIVE (5) FEET TO TOP OF PIPE.
46. SLOPES INDICATED ON THE DRAWINGS ARE SHOWN IN FT/FT.
47. SLOPES AND DISTANCES FOR MANHOLES ARE CALCULATED FROM INSIDE WALL TO INSIDE WALL.
48. MANHOLE FROM FRAME, COVER AND CONE SECTIONS SHALL BE WRAPPED WITH HEAT SHRINKABLE ENCAPSULATION AS SPECIFIED.

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CONTRACT 2018-S-1, 2018-W-01, 2018-E-01, 2018-P-01

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LIST OF UTILITIES/CONTACTS

ARMSTRONG (AGC) 123 INDUSTRIAL DRIVE GROVE CITY, PA 16127 200 ALPHA DRIVE PITTSBURGH, PA 15238 PHONE: 877-277-5711	WEST PENN POWER SUMMIT PARK DR. PITTSBURGH, PA 15275 PHONE: 412-494-4712	PENNDOT ENGINEERING DISTRICT 10-0 2550 OAKLAND AVE INDIANA, PA 15701 PHONE: 724-357-2800
CENTURYLINK (FORMERLY EMBARQ) (TW) 877 NEW CASTLE ROAD SLIPPERY ROCK, PA 16057 PHONE: 724-421-8906	VERIZON PENNSYLVANIA LLC 122 BAKERY SQUARE BLVD PITTSBURGH, PA 15206 PHONE: 412-361-0827	BUTLER COUNTY CONSERVATION DISTRICT 122 MCCUNE DR BUTLER, PA 16001 PHONE: 724-284-5270
NATIONAL FUEL GAS SUPPLY CORPORATION HNDRSN (NSH) 241 HENDERSON STATION RD STONEBORO, PA 16153 PHONE: 814-432-2618	SLIPPERY ROCK MUNICIPAL AUTHORITY 116 CRESTVIEW RD P.O. BOX 157 SLIPPERY ROCK, PA 16057 PHONE: 724-794-6552	PA DEPARTMENT OF ENVIRONMENTAL PROTECTION NW REGIONAL OFFICE 230 CHESTNUT ST MEADVILLE, PA 16335 PHONE: 814-322-6945
PEOPLES GAS COMPANY 205 N. MAIN STREET BUTLER, PA 16001 PHONE: 724-287-2751		

CALL BEFORE YOU DIG!

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



POST SERIAL NUMBER

SERIAL NUMBERS 20101442308, 20101442316, 20101442327

ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE	EX	EXISTING		PLASTIC SLAT FENCE
AGGR	AGGREGATE	EXT	EXTENSION	PSI	POUNDS PER SQUARE INCH
ALT	ALTERNATE	FEN	FENCE	PT	POINT
ALUM	ALUMINUM	F/F EL	FIRST FLOOR ELEVATION	PVC	POLYVINYL CHLORIDE
APPROX	APPROXIMATE	FH	FIRE HYDRANT	RCP	REINFORCED CONCRETE PIPE
ASPH	ASPHALT	FP	FLAG POLE	RD	ROAD, RECORD DOCUMENT
ASTM	AMERICAN SOCIETY TESTING MATERIALS	FR	FROM	REF	REFERENCE
		GAR	GARAGE	RFD	ROOF DRAIN
AVE	AVENUE	GPM	GALLONS PER MINUTE	ROW,R/W	RIGHT OF WAY
B/EL	BASEMENT ELEVATION	GRAV	GRAVEL	RRT	RAILROAD TIES
B/F EL	BOTTOM FLOOR ELEVATION	GRD	GROUND	RW	RETAINING WALL
BIT	BITUMINOUS	HDD	HORIZONTAL DIRECTIONAL DRILL	SAN	SANITARY
BLH	BURIED LAMP HOLE	HDPE	HIGH DENSITY POLYETHYLENE	SEW	SEWER
BLK	BLOCK	HI	HIGH	SHT	SHEET
BLVD	BOULEVARD	HORIZ	HORIZONTAL	SLCPP	SMOOTH LINED CORRUGATED PLASTIC PIPE
BM	BENCH MARK	HR	HANDRAIL		
BMH	BURIED MANHOLE	HT	HEIGHT	SPEC	SPECIAL CONDITION (SECTION 1A SPECIFICATION)
BRK	BRICK	ID	INSIDE DIAMETER	SR	STATE ROUTE
CB	CURB BOX, CATCH BASIN	INT	INTERCEPTOR	SRF	SPLIT RAIL FENCE
CC	CONCRETE CURB	INV	INVERT	ST	STREET, STORM
CI	CAST IRON PIPE	LAT	LATERAL	STA	STATION
CIPP	CURED IN PLACE PIPE	LF	LINEAR FEET	STL	STEEL
CL	CENTER LINE	LH	LAMP HOLE	STM	STORM
CLF	CHAINLINK FENCE	LP	LIGHT POLE	SW	SIDEWALK
CLR	CLEAR	LSA	LANDSCAPED AREA	T	TOP
CMP	CORRUGATED METAL PIPE	LS	LIGHT STANDARD	TCP	TERRACOTTA PIPE
COLL	COLLECTION LINE	MAX	MAXIMUM	TP	TELEPHONE POLE
CONC	CONCRETE	MB	MAILBOX	TRL	TRAILER
CONT	CONTINUATION	MH	MANHOLE	TYP	TYPICAL
CP	CLOTHES POLE	MIN	MINIMUM	UNK	UNKNOWN
CPP	CORRUGATED PLASTIC PIPE	MTL	MATERIAL	UP	UTILITY POLE
CT	COURT	NB	NO BASEMENT	VERT	VERTICAL
D	DEEP	NO	NUMBER	W	WIDE
DBV	DEED BOOK VOLUME	OD	OUTSIDE DIAMETER	W/	WITH
DI	DUCTILE IRON	OFF	OFFSET	WD	WOOD
DIA	DIAMETER	PG	PAGE	WK	WALK
DR	DRIVE, DRIVEWAY	PL	PLACE	WL	WATER LEVEL
DWG	DRAWING	PP	POWER POLE	WSF	WOOD SLAT FENCE
DL	DRAIN LINE	PROP	PROPOSED	WSRF	WOOD SPLIT RAIL FENCE
EL	ELEVATION	PSF	POUNDS PER SQUARE FOOT,	WT	WATER TIGHT
EOP	EDGE OF PAVEMENT			WV	WATER VALVE
				VCP	VITRIFIED CLAY PIPE

LEGEND

SLANT TEXT	EX CONDITIONS		BUILDING OUTLINE
VERTICAL TEXT	PROPOSED CONDITIONS		INLET PROTECTION
	WATER VALVE		BUSH
	WATER SHUT OFF VALVE		TREE
	FIRE HYDRANT		COMPOST FILTER SOCK (CFS)
	EXISTING WATER LINE		BORING PIT/HDD PIT
	GAS VALVE		WETLAND
	GAS SHUT OFF VALVE		SIDEWALK
	EXISTING GAS LINE		EDGE OF PAVEMENT
	EXISTING GAS METER		EDGE OF GRAVEL
	EXISTING SANITARY SEWER MANHOLE		CONCRETE WALL
	EXISTING FORCE MAIN		FLOWER PLANTER
	EXISTING SANITARY SEWER LINE		FLOWER PLANTER
	EXISTING SANITARY VALVE		GUIDERAIL
	EXISTING STORM SEWER LINE		STOP LIGHT POST
	EXISTING STORM SEWER INLET		CURB
	POST		MAJOR CONTOUR
	BIKE POST		MINOR CONTOUR
	BOLLARD		PROPOSED SANITARY FORCE MAIN
	EXISTING LIGHT POLE		PROPOSED SANITARY SEWER LATERAL
	EXISTING ELECTRICAL BOX		PROPOSED GRAVITY SEWER
	EXISTING LIGHT POST		PROPOSED MANHOLE
	GUY WIRE		PROPOSED WATER LINE
	EXISTING LIGHT POLE BASE		PROPOSED WATER VALVE
	PROPERTY BOUNDARY		PROPOSED HYDRANT
	MAILBOXES		PROPOSED WATER SERVICE
	GUIDERAIL		PROPOSED AIR RELEASE/VACUUM VALVE AND CLEAN OUT

SRMA WATER AND SANITARY SEWER LINE
REPLACEMENT PROJECT
CONTRACT 2019-S-1
SLIPPERY ROCK BOROUGH,
BUTLER COUNTY, PENNSYLVANIA

GENERAL NOTES, ABBREVIATIONS, & UTILITY LIST

Drawing No.
GEN

THE EADS GROUP
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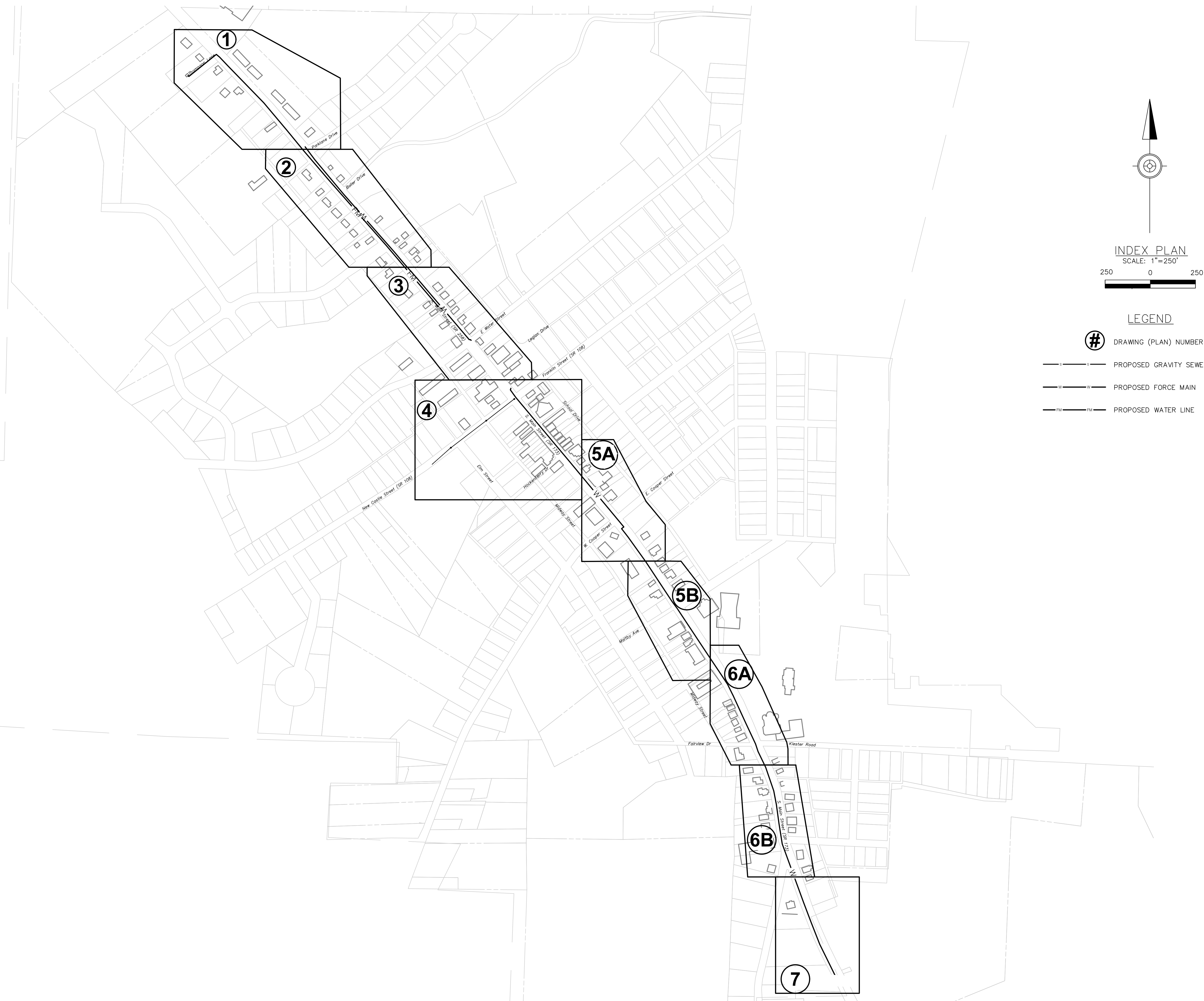
WITH OFFICES IN:
ALLIQUAN, PA
JOHNSTOWN, PA
PITTSBURGH, PA
SOMERSET, PA
CUMBERLAND, MD

Seal

Date

No.	Revisions	Date

Scale	AS NOTED
Date	JULY 2018
Drawn By	RFW
Checked By	ZRS
Project No.	0220-18-338
File No.	7416-SRMA

[illegible]

Scale AS NOTED
Date JULY 2018
Drawn By RFW
Checked By ZRS
Project No. 0220-18-338
File No. 7416-SRMA

THE EADS GROUP

ENGINEERING ARCHITECTURE AND DESIGN SERVICES

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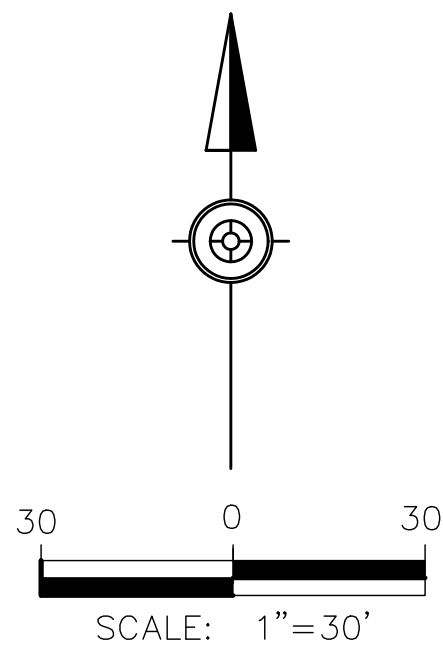
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**SRMA WATER AND SANITARY SEWER LINE
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PLANS

Drawing No.

1

Scale	No.	Revisions	Date
AS NOTED			
Date			
JANUARY 2019			
Drawn By			
RFW			
Checked By			
ZRS			
Project No.			
0220-16-338			
File No.			
7416-SRMA			

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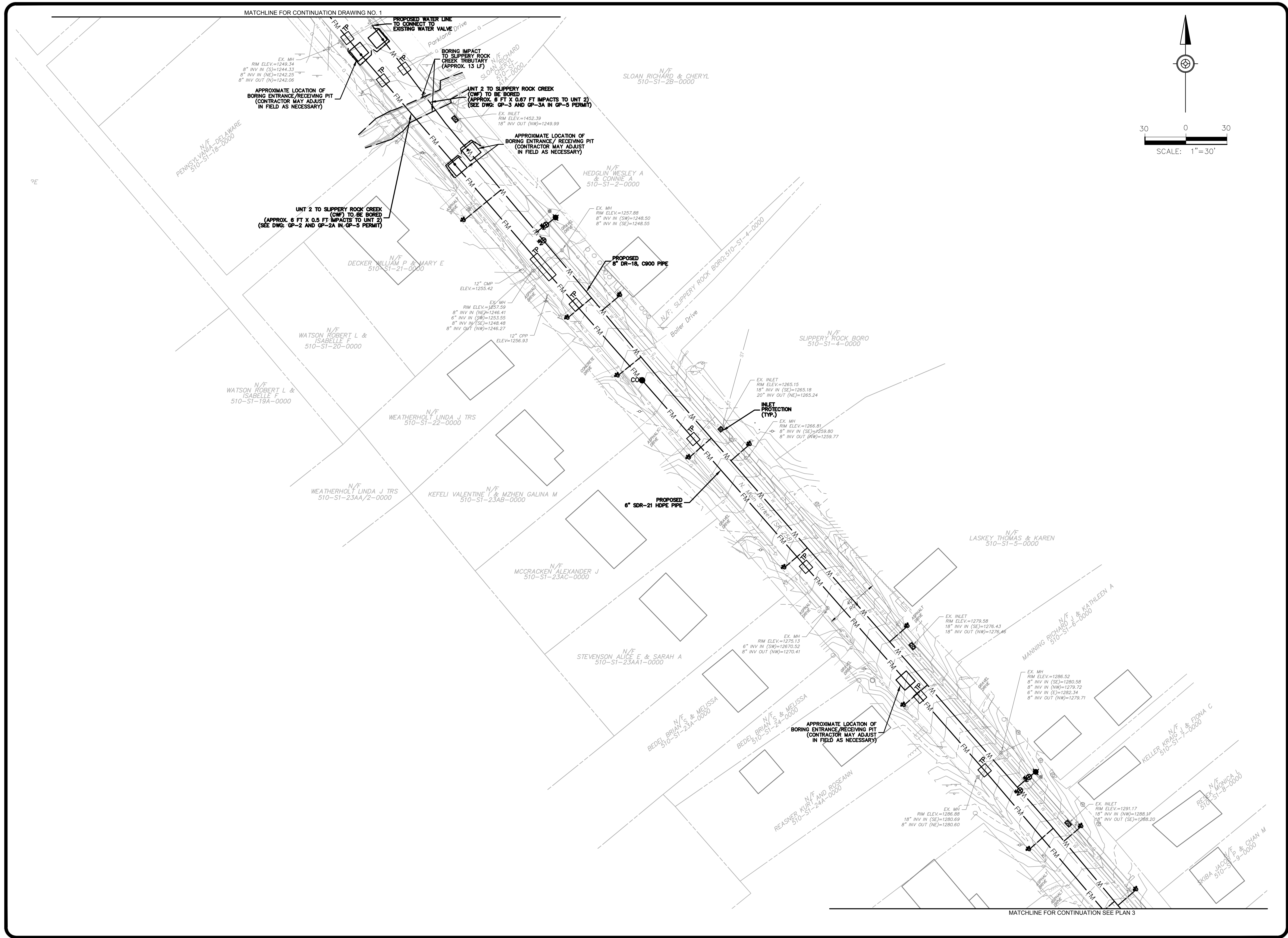
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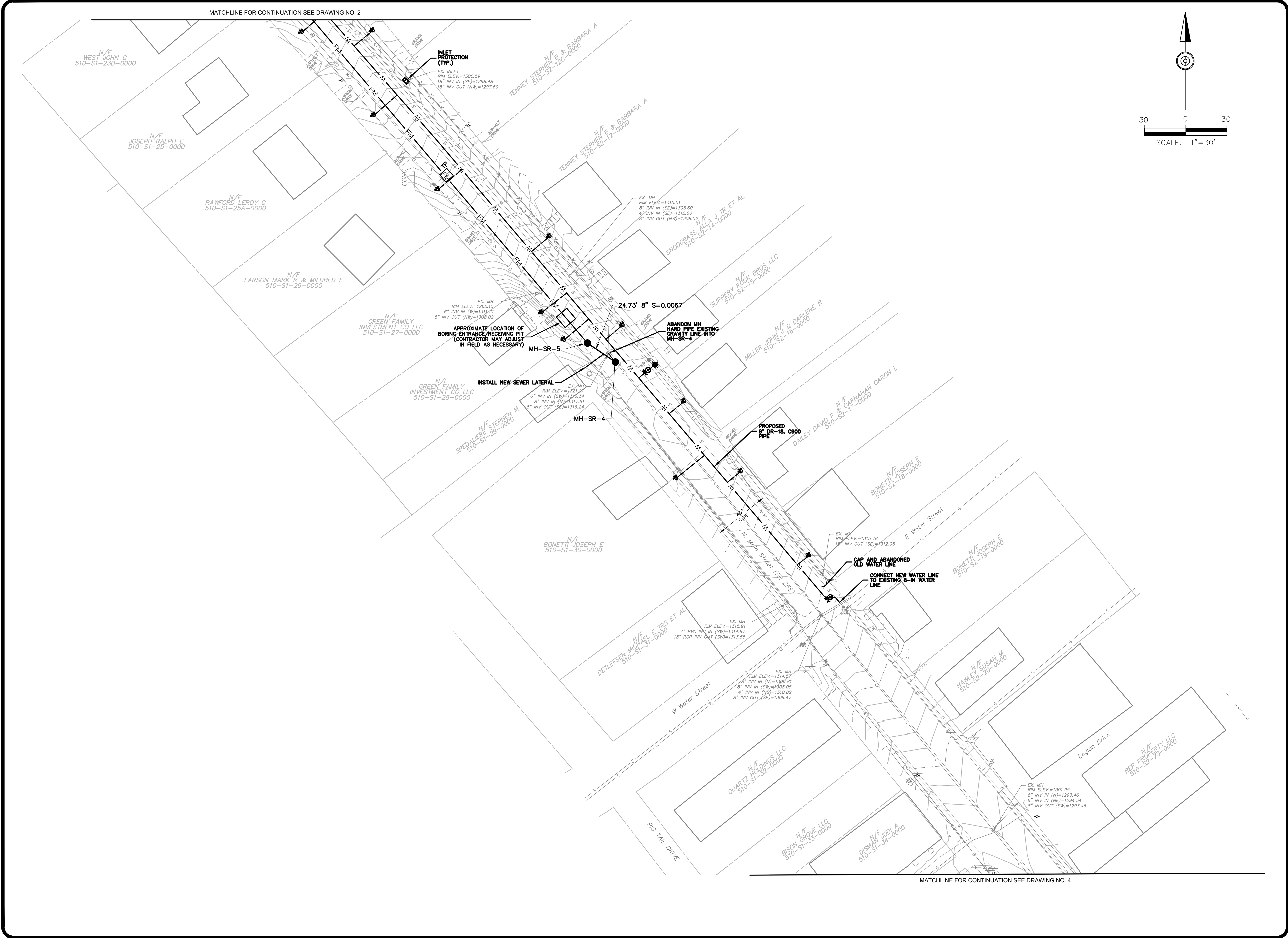
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SLIPPERY ROCK BOROUGH, BUTLER COUNTY, PENNSYLVANIA

PLANS

Drawing No.

2



Seal

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Drawn By	REW
Checked By	ZRS
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File No.	7416-SRMA



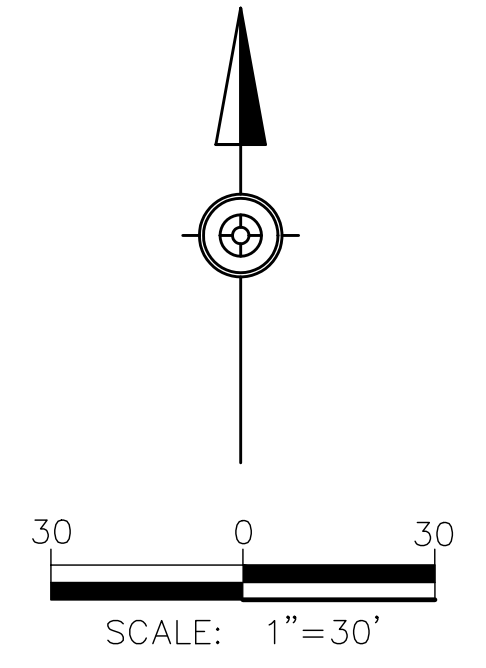
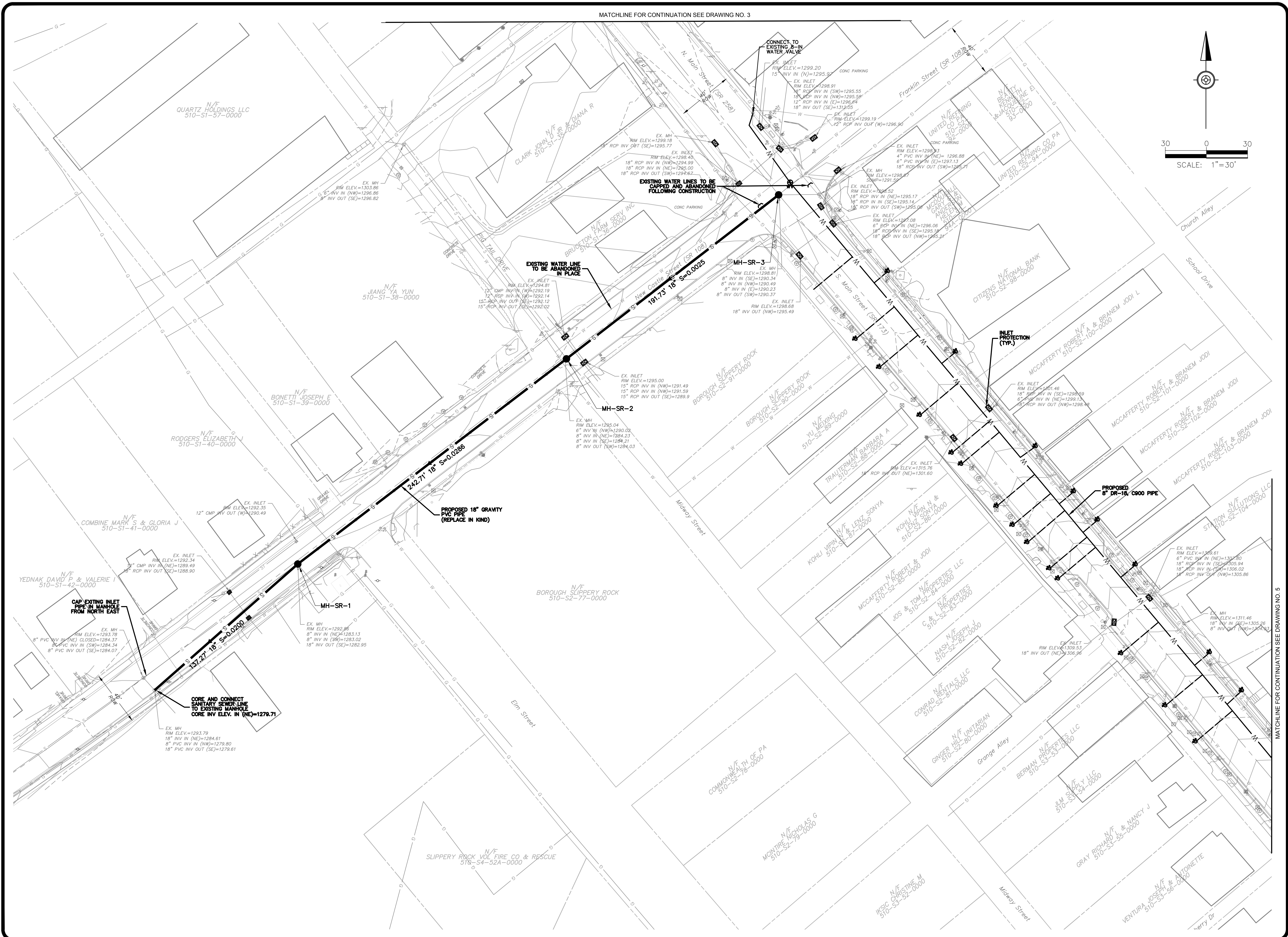
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INT. ENGINEER:
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BUTLER COUNTY, PENNSYLVANIA

PLANS



MATCHLINE FOR CONTINUATION SEE DRAWING NO. 5

Seal

Date

No.	Revisions	Date

Scale AS NOTED

Date JANUARY 2019

Drawn By REW

Checked By ZRS

Project No. 0220-18-338

File No. 7416-SRMA

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PLANS

SRMA WATER AND SANITARY SEWER LINE
REPLACEMENT PROJECT
CONTRACTS 2018-S-01, 2018-W-01,
2018-E-01, 2018-P-01
SLIPPERY ROCK BOROUGH,
BUTLER COUNTY, PENNSYLVANIA

Drawing No.
4



PLANS

6

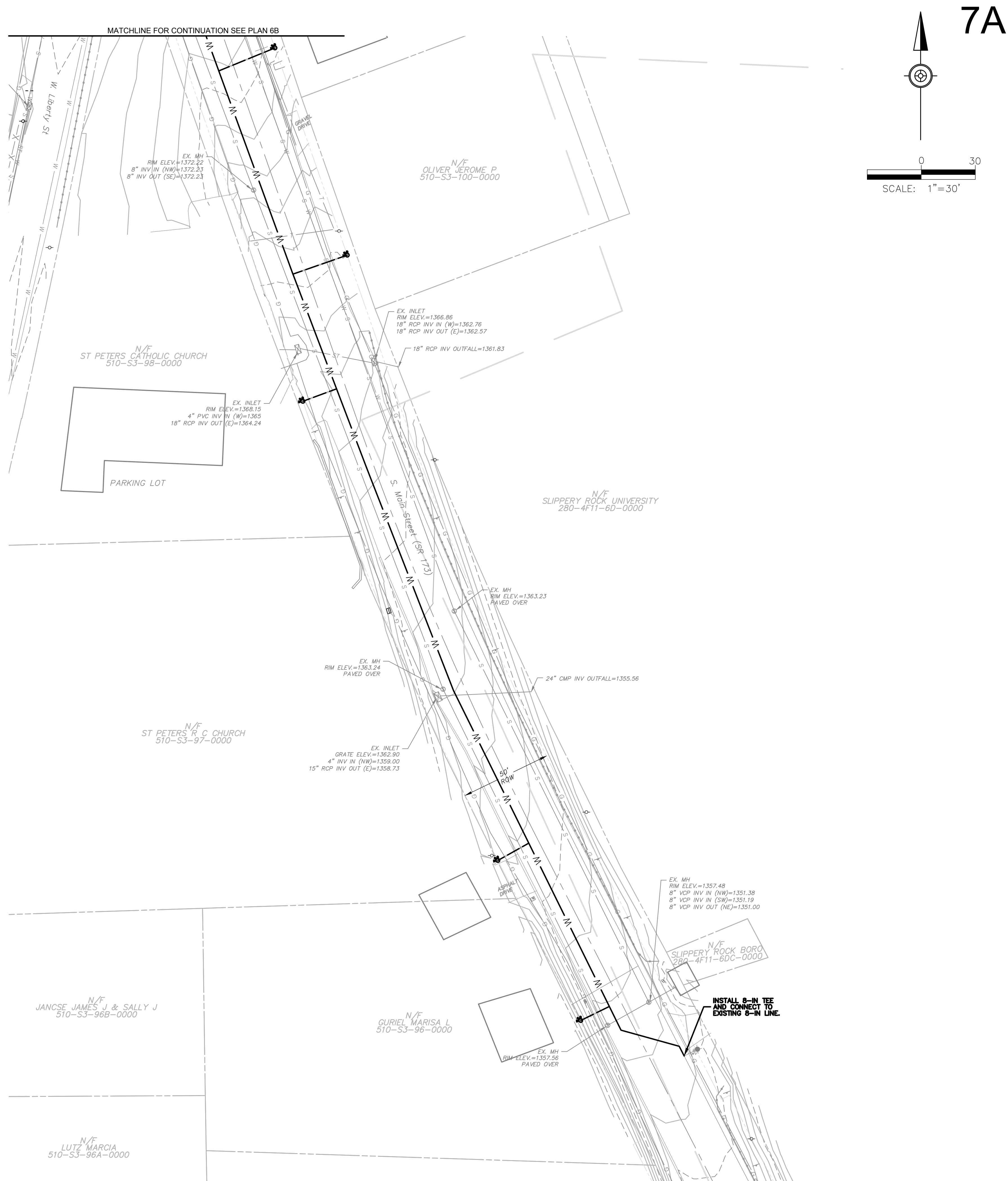
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SRMA WATER AND SANITARY SEWER LINE
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