

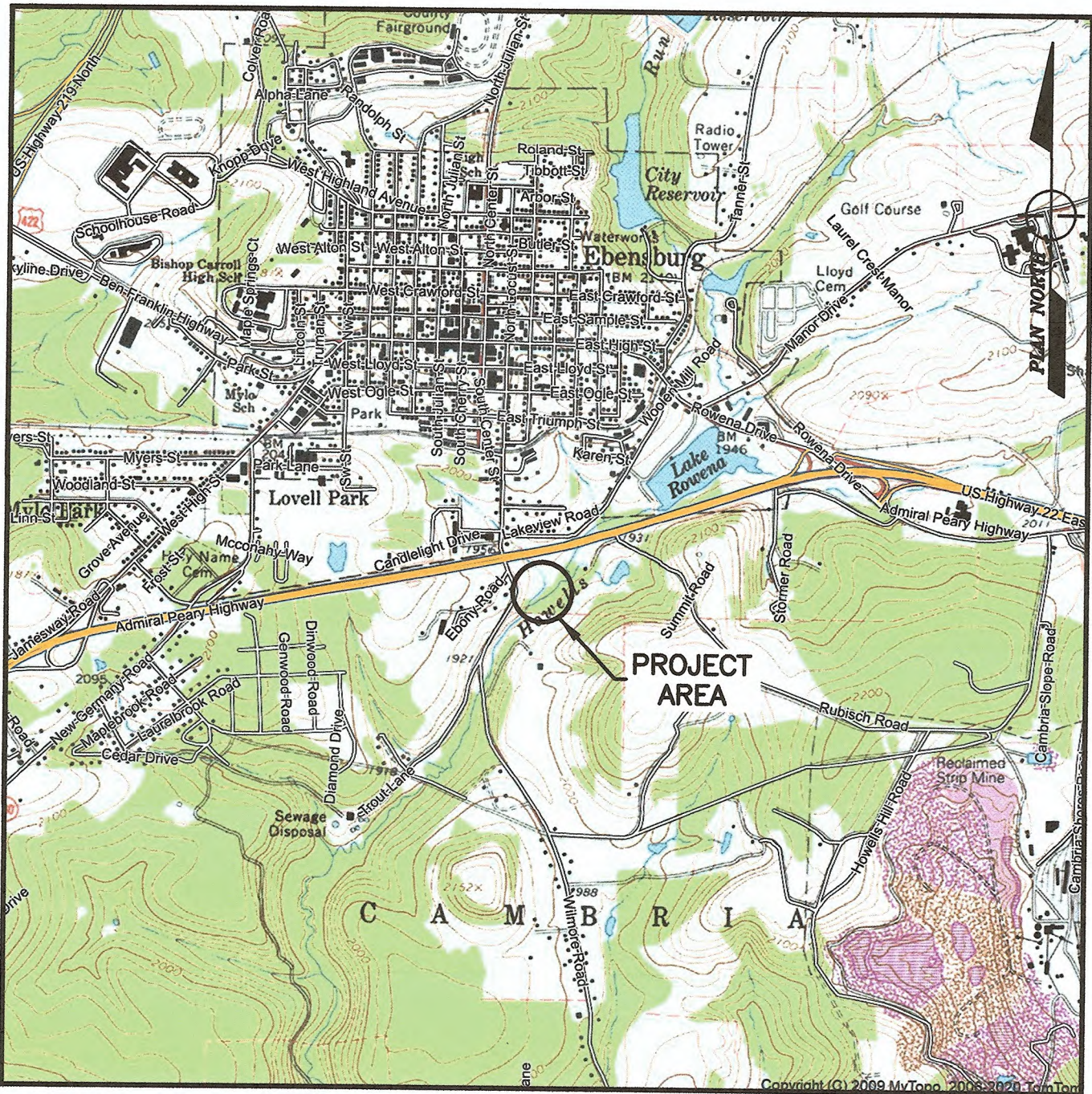
EBENSBURG MUNICIPAL AUTHORITY
CAMBRIA TOWNSHIP
CAMBRIA COUNTY, PENNSYLVANIA

GRIFFITH'S FIELD CSO ABANDONMENT PROJECT
CONTRACT 2020-1
AS-BID


JUNE 2020

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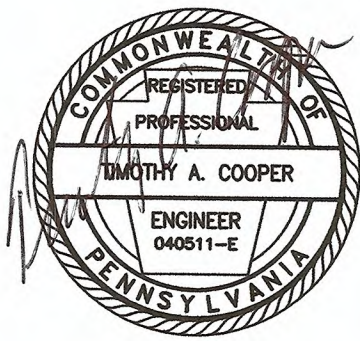


EBENSBURG, PENNSYLVANIA, USGS
LOCATION MAP
SCALE: 1" = 2000'



**STIFFLER
MCGRAW**
ENGINEERS • SURVEYORS • ARCHITECTS

1731 N. Juniata Street
Hollidaysburg, PA 16648
Phone: 814.696.6280 Fax: 814.696.6240



Stiffler, McGraw & Associates, Inc.

Revisions:		
No.	Date	Description
△		

Sheet Title:

COVER

PROJECT NO.	20-0002
DRAWN BY:	MPF
DESIGNED BY:	SJM
CHECKED BY:	TAC
SCALE:	AS SHOWN

Drawing:

C1

GENERAL NOTES:

1. SLANTED LETTERING OR SHADING DENOTES EXISTING FEATURES OR FACILITIES.
2. VERTICAL LETTERING DENOTES PROPOSED FEATURES OR FACILITIES.
3. 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.
4. DESIGN IS BASED ON AVAILABLE INFORMATION PERTAINING TO UNDERGROUND UTILITIES AND FIELD LOCATION WHERE POSSIBLE. SHOULD THE CONTRACTOR ENCOUNTER A SITUATION WHERE IT IS BELIEVED THAT AN EXISTING UNDERGROUND UTILITY WILL NEED TO BE RELOCATED BY THE CONTRACTOR, HE SHALL NOTIFY THE ENGINEER AND A DECISION WILL BE MADE WITHIN TWO (2) WORKING DAYS. PAYMENT FOR RELOCATION OF EXISTING UNDERGROUND UTILITIES SHALL BE A NEGOTIATED LUMP SUM PRICE BASED ON THE SIZE, TYPE, AND LENGTH OF UTILITY TO BE RELOCATED, AND A CHANGE ORDER SHALL BE ISSUED.
5. EXISTING SEWERS AND WILDCAT SEWERS ARE SHOWN FOR GENERAL INFORMATION ONLY, BASED UPON LIMITED DATA. NO GUARANTEE IS MADE TO HORIZONTAL OR VERTICAL ALIGNMENT, PIPE SIZE, OR PIPE TYPE. LOCATION OF EXISTING SANITARY SEWERS AND WILDCAT SEWERS WERE BASED ON LOCATION OF EXISTING MANHOLES AND CLEANOUTS AND ASSUMING STRAIGHT RUNS BETWEEN THEM. THEREFORE, THE CONTRACTOR IS CAUTIONED THAT ACTUAL FIELD LOCATION OF THE PIPING MAY DEVIATE FROM THAT SHOWN AND NO ADDITIONAL PAYMENT SHALL BE MADE AS A RESULT OF ANY DEVIATION THEREFROM.
6. EXISTING TOPOGRAPHIC INFORMATION TAKEN FROM AERIAL PHOTOGRAPHY FLOWN ON ~~(month, day, year)~~ AND LIMITED FIELD SURVEYS PERFORMED BY STIFFLER, MCGRAW & ASSOCIATES, INC.
7. PROPERTY LINES & RIGHT-OF-WAYS ARE SHOWN FOR INFORMATION PURPOSES ONLY AND DO NOT CONSTITUTE FIELD SURVEYS.
8. A MINIMUM 18" VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN THE SANITARY SEWER AND ANY CROSS PIPES OR THE SANITARY SEWER SHALL BE ENCASED IN CONCRETE PER ENCASEMENT DETAIL.
9. NO EXCAVATED, BORROW, OR BACKFILL MATERIAL SHALL BE STOCKPILED WITHIN THE 100-YEAR FLOODWAY OR FLOODPLAIN.
10. ALL SURFACES SHALL BE RESTORED TO PRE-CONSTRUCTION OR BETTER CONDITION.
11. SURFACES SHALL BE RESTORED AND STABILIZED (SEEDED & MULCHED) AS SOON AS WORK PERMITS. TEMPORARY SEEDING MULCHING SHALL BE APPLIED IN DISTURBED AREAS IF WORK PROGRESS IS DELAYED BY FOUR (4) OR MORE WORKING DAYS. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE.
12. CONTRACTOR SHALL NOT WORK IN STOCKED TROUT STREAMS FROM MARCH 1 TO JUNE 15 WITHOUT EXPRESS PERMISSION FROM THE PENNSYLVANIA FISH COMMISSION. THE CONTRACTOR SHALL NOTIFY THE PENNSYLVANIA FISH COMMISSION IN WRITING TEN (10) WORKING DAYS PRIOR TO CONSTRUCTING ANY STREAM CROSSINGS.
13. EXISTING SHEDS, POLES, UTILITY POLES, POSTS, SIGNS, MAILBOXES, FENCES, SHRUBS, TREES, DRIVEWAY CROSS PIPES, PROPERTY CORNERS, ETC. THAT INTERFERE WITH CONSTRUCTION OF THE SANITARY SEWERS SHALL BE PROTECTED OR REMOVED AND REPLACED. 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.
14. CONTRACTOR SHALL INSTALL SEWER MAIN AND LATERALS AT SUFFICIENT DEPTHS TO PROVIDE BASEMENT SERVICE TO ALL BUILDINGS UNLESS SPECIFICALLY NOTED OTHERWISE ON SEWER PLAN VIEW DRAWINGS (F.F. SERVICE ONLY).
15. CONTRACTOR SHALL PROVIDE SHORING, BRACING AND ANY OTHER MEASURES NECESSARY TO PREVENT DAMAGE TO EXISTING BUILDING FOUNDATIONS.
16. CONTRACTOR TO PERFORM CONSTRUCTION STAKEOUT AND CONFIRM ALL ELEVATIONS AND SLOPES PRIOR TO CONSTRUCTION. ALL DISCREPANCIES SHALL IMMEDIATELY BE REPORTED TO THE ENGINEER.
17. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ROCK EXCAVATION.
18. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING FEATURES OR STRUCTURES.
19. CONTROL OF SEWAGE FLOW OF THE WILDCAT SEWERS AND EXISTING SANITARY SEWERS DURING EXECUTION OF THE WORK IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE BYPASSED VIA THE SANITARY SEWER. NO SURFACE OR SUBSURFACE DISCHARGES ARE PERMITTED. THE SUCCESSFUL BIDDER MUST SUBMIT AND GAIN APPROVAL OF A PLAN BY EBENSBURG MUNICIPAL AUTHORITY PRIOR TO INITIATION OF WORK.
20. LOW PRESSURE AIR TESTS WILL BE REQUIRED ON ALL NEW SEWAGE MAINS AND LATERALS.
21. NO CONCRETE CRADLES ARE SHOWN ON THE PLAN OR PROFILE. LOCATION OF CRADLES TO BE INSTALLED AT LOCATIONS AS SPECIFIED IN THE FIELD.
22. BUILDING SERVICE LATERALS (WATER, SEWER, ETC..) ARE NOT SHOWN ON PLAN OR PROFILE AND SHALL, FOR THE PURPOSES OF THIS CONTRACT, BE CONSIDERED AS "KNOWN" AND TO EXIST TO EACH BUILDING.
23. THE CONTRACTOR SHALL CONFIRM ALL EXISTING MANHOLE PIPE INVERTS PRIOR TO CONSTRUCTING THE ADJACENT PIPE RUNS. IF THERE ARE ANY DISCREPANCIES WITH CONTRACT DRAWINGS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.



PUBLIC UTILITY ACT 38 COMPLIANCE
AREA COVERED BY ONE CALL:
SERIAL NUMBER: 20201550824

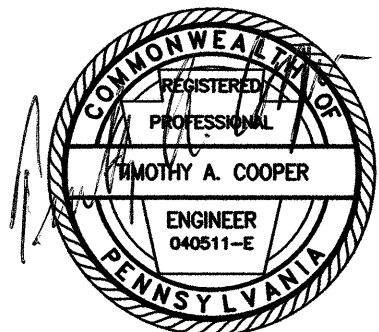
USER	STATEMENT
COMCAST CABLE 1 COMCAST DR BLAIRSVILLE, PA 15717 ATTN: CHRISTOPHER GIBBONS EMAIL: christopher_gibbons@cable.comcast.com	CLEAR-NOT INVOLVED
PEOPLES GAS COMPANY LLC 375 NORTH SHORE DRIVE PITTSBURGH, PA 15212 ATTN: MICHAEL DENNY EMAIL: MICHAEL.DENNY@PEOPLES-GAS.COM	CLEAR-NOT INVOLVED
REA ENERGY COOPERATIVE INC PO BOX 70 INDIANA, PA 15701 ATTN: CHRIS MASTERSON EMAIL: cmasterson@reaenergy.com	CLEAR-NOT INVOLVED
ARCELORMITTAL PRISTINE RESOURCES LLC 129 BETHLEHEM RD. PO BOX 36 REVLOC, PA 15948 ATTN: LARRY NEFF EMAIL: Larry.neff@arcelormittal.com	CLEAR-NOT INVOLVED
CAMBRIA TOWNSHIP SEWER AUTHORITY 184 MUNICIPAL RD. EBENSBURG, PA 15931 ATTN: STEVE SOWOLLA EMAIL: ctsa247@gmail.com	CLEAR-NOT INVOLVED
CAMBRIA TOWNSHIP PO BOX 248 REVLOC, PA 15948 ATTN: TIM BRAKEN EMAIL: CAMTWP@COMCAST.NET	CLEAR-NOT INVOLVED
BOROUGH OF EBENSBURG 300 W HIGH STREET EBENSBURG, PA 15931 ATTN: JEFF EVANS EMAIL: JEVANS@EBENSBURGPA.COM	INVOLVED
VERIZON PENNSYLVANIA LLC 1026 HAY ST PITTSBURGH, PA 15221 ATTN: DEBORAH BARUM EMAIL: deborah.d.delio@verizon.com	NO RESPONSE
PENNSYLVANIA ELEC CO 311 INDUSTRIAL PARK RD JOHNSTOWN, PA 15904 ATTN: KETH GARDNER EMAIL: kgardner@firstenergycorp.com	CLEAR-NOT INVOLVED

NOTES:

1. PURSUANT TO THE PROVISIONS OF PENNSYLVANIA ACT 287 OF 1974 AS AMENDED BY ACT 50 OF 2017, PENNSYLVANIA LEGISLATURE, STIFFLER, MCGRAW & ASSOCIATES, INC. HAS INSPECTED OR OBTAINED A LIST OF USERS, AS PRESCRIBED BY SECTION 3 OF SAID ACT WITHIN THE POLITICAL SUBDIVISIONS INVOLVED IN THIS PROJECT. INFORMATION ON THE POSITION AND TYPE OF EACH UNDERGROUND LINE WAS REQUESTED NOT LESS THAN TEN (10), NOR MORE THAN NINETY (90), DAYS PRIOR TO THE COMPLETION OF FINAL DESIGN. EXISTING UNDERGROUND UTILITIES SHOWN ON THESE DRAWINGS ARE BASED ON THE INFORMATION PROVIDED BY THE USERS.
2. STIFFLER, MCGRAW & ASSOCIATES, INC., AND EBENSBURG MUNICIPAL AUTHORITY DO NOT GUARANTEE THE PRESENCE, LOCATION, OR DEPTH OF ANY PUBLIC OR PRIVATE UNDERGROUND UTILITY OR STRUCTURE WHICH MAY OR MAY NOT BE SHOWN ON THESE PLANS.
3. PENNSYLVANIA ONE CALL SYSTEM, INC. (1-800-242-1776) SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 3 BUSINESS DAYS BUT NOT MORE THAN 10 BUSINESS DAYS PRIOR TO ACTUAL EXCAVATION START FOR VERIFICATION AND MARKOUT OF EXISTING UTILITIES.
4. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF PUBLIC UTILITY ACT NO. 181 OF DECEMBER 18, 2006.



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Stiffler, McGraw & Associates, Inc.

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300 WEST HIGH STREET
EBENSBURG, PA. 15931

Project Name:
GRIFFITH'S FIELD CSO
ABANDONMENT PROJECT

CONTRACT 2020-1

CAMBRIA TOWNSHIP
CAMBRIA COUNTY, PENNSYLVANIA

AS-BID

Revisions:

No.	Date	Description
△		

Sheet Title:

GENERAL NOTES

PROJECT NO.	20-0002
DRAWN BY:	MPF
DESIGNED BY:	SJM
CHECKED BY:	TAC
SCALE:	AS SHOWN

Drawing:

G1

ABBREVIATION LIST

TYPICAL ABBREVIATIONS: SOME MAY NOT APPLY ON THIS PROJECT.

AC.	ACRE	G.M.	GAS METER	REQ'D	REQUIRED
AGGR.	AGGREGATE	G.W.	GAS WELL	REV.	REVISION
A.V.	AIR VACUUM	H.C.	HANDICAP	R/W	RIGHT OF WAY
BLDG.	BUILDING	H.O.P.	HIGHWAY OCCUPANCY PERMIT	R.O.W.	RIGHT OF WAY
B.C.	BOTTOM OF CURB	HOR.	HORIZONTAL	R.R.	RAILROAD
BL	BASELINE	HORZ.	HORIZONTAL	SAN.	SANITARY
B.M.	BENCH MARK	H.P.	HIGH POINT	SCH.	SCHEDULE
B.O.	BLOW OFF	HQ.	HIGH QUALITY WATERS	SECT.	SECTION
C.B.	CATCH BASIN	H.T.	HEIGHT	S.F.	SQUARE FEET
C/C	CENTER TO CENTER	HWY.	HIGHWAY	S.L.C.P.P	SMOOTH-LINED CORRUGATED POLYETHYLENE PIPE
C.F.	CUBIC FEET	I.D.	INSIDE DIAMETER	S.R.	STATE ROUTE
C.F.M.	CUBIC FEET PER MINUTE	INSTR.	INSTRUMENT	SS	STORM SEWER
C.F.S.	CUBIC FEET PER SECOND	INV.	INVERT	ST.	STREET
C.M.P.	CORRUGATED METAL PIPE	I.P.F.	IRON PIN / PIPE FOUND	STA.	STATION
C.I.P.	CAST IRON PIPE	LAT.	LATITUDE	STD.	STANDARD
CL.	CENTER LINE	LONG.	LONGITUDE	STM.	STORM
C.O.	CLEANOUT	L.B.S.	POUNDS	SQ.	SQUARE
CONC.	CONCRETE	L.P.	LIGHT POLE or LOW PRESSURE	S.Y.	SQUARE YARD
C.P.P.	CORRUGATED POLYETHYLENE PIPE	L.P.S.	LOW PRESSURE SEWER	TAP.	GAS or WATER TAP
CWF.	COLD WATER FISHES	MAX.	MAXIMUM	T.C.	TOP OF CURB
C.F.	CUBIC FEET	MB.	MAILBOX	TEMP.	TEMPORARY
C.Y.	CUBIC YARDS	MF.	MIGRATORY FISHES	TEL.	TELEPHONE
D.I.P.	DUCTILE IRON PIPE	MFG.	MANUFACTURER	T.G.	TOP OF GRATE
D.H.	DRILL HOLE	M.G.D.	MILLION GALLONS PER DAY	T.O.C.	TIME OF CONCENTRATION
DIA.	DIAMETER	MH.	MANHOLE	T.O.G.	TOP OF GRATE
D.I.P.	DUCTILE IRON PIPE	MIN.	MINIMUM	TRANS.	TRANSFORMER
DN.	DOWN	MISC.	MISCELLANEOUS	TRAV.	TRAVERSE
D/S	DOWN STREAM	MON.	MONUMENT	TSF.	TROUT STOCKING FISHES
DWG.	DRAWING	M.H.	MILES PER HOUR	T.V.	TELEVISION
EA.	EACH	N/F	NOW OR FORMERLY	TYP.	TYPICAL
EL.	ELEVATION	NO.	NUMBER	U/G	UNDERGROUND
ELEC.	ELECTRIC	N.T.S.	NOT TO SCALE	U.G.E.	UNDERGROUND ELECTRIC
ELECT.	ELECTRIC	O.C.	ON CENTER	U.N.E.	UNLESS NOTED OTHERWISE
ELEV.	ELEVATION	O.D.	OUTSIDE DIAMETER	U.P.	UTILITY POLE
E.O.P.	EDGE OF PAVEMENT	OFF.	OFFSET	U/S	UPSTREAM
E.O.S.	EDGE OF SHOULDER	O.H.	OVERHEAD	VAC.	VACUUM
EQ.	EQUAL	O.B.	OBSERVATION STACK	VER.	VERTICAL
EV.	EXCEPTIONAL VALUE WATERS	PARCEL	PARCEL	VERT.	VERTICAL
E.W.E.F.	EACH WAY EACH FACE	PCSWM.	POST-CONSTRUCTION STORMWATER MANAGEMENT	V.C.P.	VITRIFIED CLAY PIPE
EX.	EXISTING	PERF.	PERFORATED	W	WATER
F.F.	FIRST FLOOR	PL.	PROPERTY LINE	W/	WITH
F.F.B.	FIRST FLOOR W/BASEMENT	P.O.B.	POINT OF BEGINNING	W/O	WITHOUT
F.D.	FLOOR DRAIN	P.S.I.	POUNDS PER SQUARE INCH	W.L.	WATER LINE
F.F.E.	FINISH FLOOR ELEVATION	P.S.	PUMP STATION	W.W.	WET WELL
F.H.	FIRE HYDRANT	P.V.I.	POLYVINYL CHLORIDE	W.W.A.	WELDED WIRE FABRIC
H.G.L.	HYDRAULIC GRADE LINE	P.VMT.	PAVEMENT	WWF.	WARM WATER FISHES
F.P.	FLAG POLE	PUB.	PUBLICATION	W.M.	WATER METER
FT.	FOOT / FEET	QTY.	QUANTITY	W.V.	WATER VALVE
GAL.	GALLON(S)	R	RADIUS	Y.H.	YARD HYDRANT
GND.	GROUND	R.C.P.	REINFORCED CONCRETE PIPE	YR.	YEAR
G.P.M.	GALLONS PER MINUTE	REF.	REFERENCE		
G.F.	GAS FLAG	REQ.	REQUIRED		
GL.	GAS LINE				

EROSION & SEDIMENTATION CONTROL LEGEND

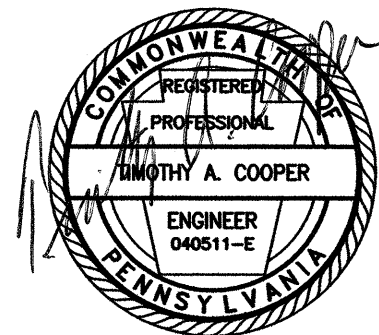
TYPICAL LEGEND NOTE: SOME TYPICAL SYMBOLS MAY NOT APPLY ON THIS PROJECT.

NPDES BOUNDARY	DITCH CHEXX
LD LIMIT OF DISTURBANCE	SCC CULVERT INLET SEDIMENTATION CONTROL
SOILS BOUNDARY	RCE ROCK CONSTRUCTION ENTRANCE
SOIL CLASSIFICATION	INLET SILT SACK
SB COMPOST FILTER SACK (SIZE AS SHOWN)	FILTREXX® INLET PROTECTION
SF FILTER FABRIC FENCE (SIZE AS SHOWN)	JUTE NET STABILIZATION
	EROSION CONTROL BLANKET

TYPICAL LEGEND

TYPICAL LEGEND NOTE: SOME TYPICAL SYMBOLS MAY NOT APPLY ON THIS PROJECT.

EXISTING	PROPOSED
WATER	WATER
WATER/ABANDONED LINE	WATER LINE
WELL	WELL
FIRE HYDRANT	FIRE HYDRANT
WATER VALVE	WATER VALVE
WATER TAP	WATER TAP
WATER METER	WATER METER
METER PIT	METER PIT
AIR VACUUM RELEASE	AIR VACUUM RELEASE
BLOW OFF	BLOW OFF
REDUCER	REDUCER
WATER TANK	WATER TANK
STORM SEWER	STORM SEWER
STORM SEWER	STORM SEWER
INLET/CATCH BASIN	INLET NUMBER
CULVERT PIPE	INLET/CATCH BASIN
CIRCULAR CATCH BASIN	CULVERT PIPE
STORM MANHOLE	SANITARY SEWER
SANITARY SEWER	SANITARY SEWER LINE
SEWER	FORCE MAIN
FORCE MAIN	LOW PRESSURE
LOW PRESSURE	SANITARY SEWER MANHOLE
SEWER MH	CLEANOUT
CLEANOUT	PUMP STATION
PUMP STATION	WET WELL
GRINDER PUMP	GRINDER PUMP
WET WELL	SURVEY
GAS	PROPERTY/SUBDIVISION LINE
GAS LINE	PROPERTY LINE
HIGH PRESSURE PETROLEUM PIPE	RIGHT-OF-WAY LINE
PETROLEUM PIPE	BUILDING SETBACK LINE
GAS WELL	5/8" REBAR WITH CAP SET (UNLESS NOTED OTHERWISE)
GAS METER	TRAVERSE SPUR
GAS MARKER	TRAVERSE POINT
GAS VALVE	PERC HOLE
GAS TAP	TEST PIT
ELECTRIC	MONUMENT
UNDERGROUND ELECTRIC	BENCHMARK
ELECTRIC LINE	GENERAL PROPOSED
ELECTRIC MH	DRIP LINE OF TREES
TRANSFORMER	INDICATES PROPERTY NOT SERVED
GUY WIRE	INDICATES PROPERTY SERVED
TRAFFIC LIGHT	FENCE
BELL MH	RETAINING WALL
LIGHT POST	PERMANENT EASEMENT
GENERAL EXISTING	TEMPORARY EASEMENT
UTILITY POLE	HANDICAP PARKING
MARSH/WETLAND	SPOT ELEVATION
PARKING METER	PROPOSED CONTOUR (MAJOR)
SEGMENT MARKER	PROPOSED CONTOUR (MINOR)
DOUBLE POLE SIGN	PARKING COUNT
SINGLE POLE SIGN	GAS LINE
HANDICAP PARKING	ELECT., TELE., CABLE
MISC. SIGN	PAVEMENT AREA/OVERLAY
POST	
LIGHT POST	
MAIL BOX	
LARGE TREE	
SHRUB	
MISC. TREE	
LARGE PINE	
SMALL PINE	
MISC. TREES AND SHRUBS	
MISC. FENCE	
RETAINING WALL	
STONE WALL/FENCE	
GUIDE RAIL	
TREELINE	
SHRUBLINE	
MAJOR CONTOUR	
MINOR CONTOUR	
BUILDING/HOUSE	
BUILDING TO BE SERVED	
SPOT ELEVATION	
SOILS BOUNDARY	
SOIL CLASSIFICATION	
DRAINAGE AREA	
FLOOD PLAIN	
FLOODWAY	
HIGH QUALITY BUFFER	
TIME OF CONCENTRATION	
WETLAND BOUNDARY	



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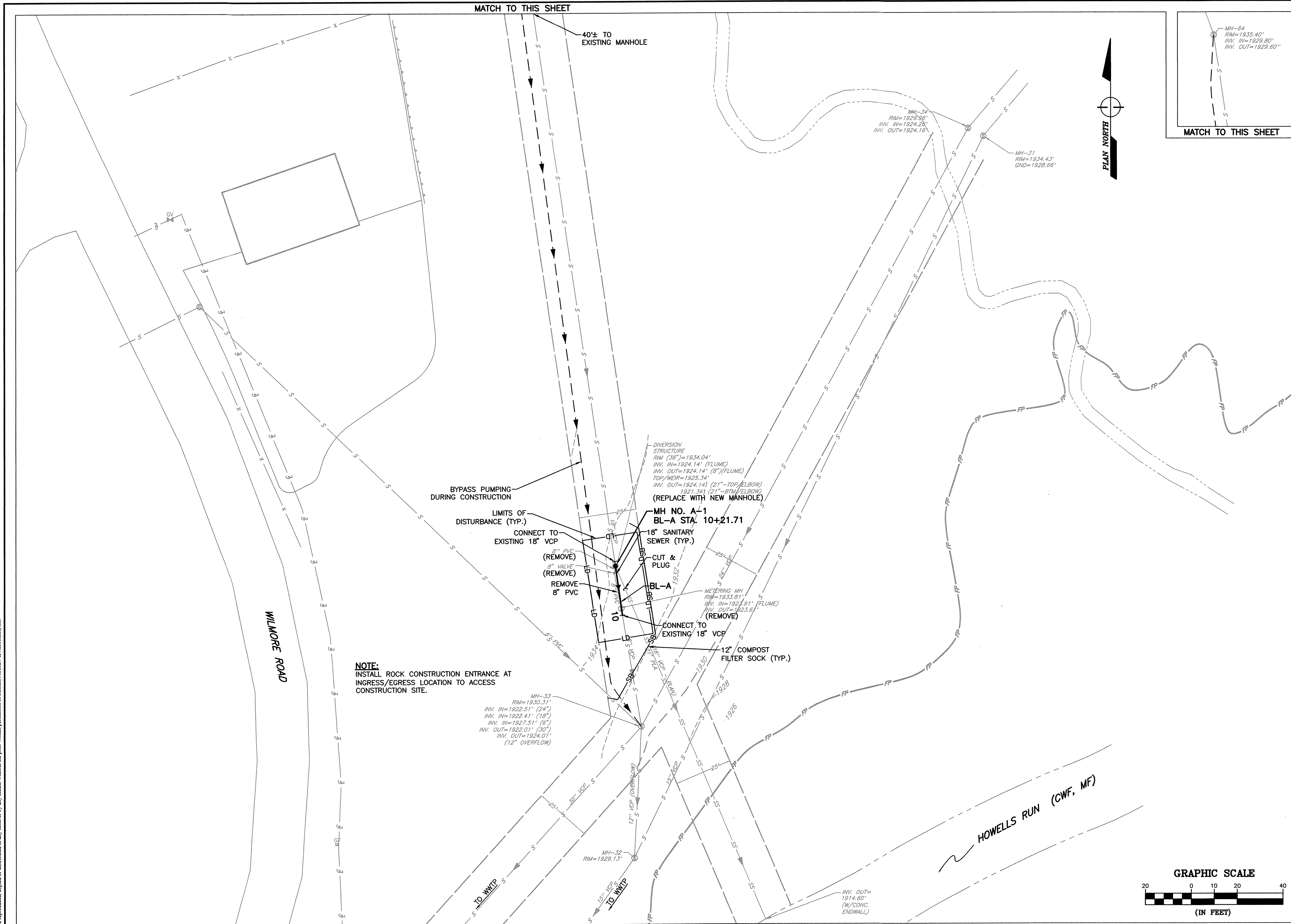
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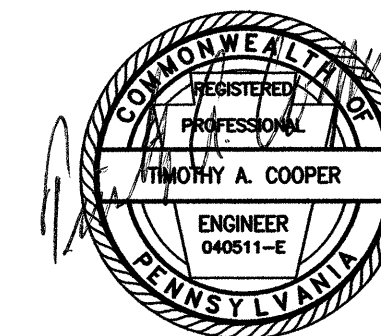
PROJECT NO.	20-0002
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Drawing:

G2



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No.	Date	Description
1	6/2/20	ADDED MATCH TO SHEET

Sheet Title:

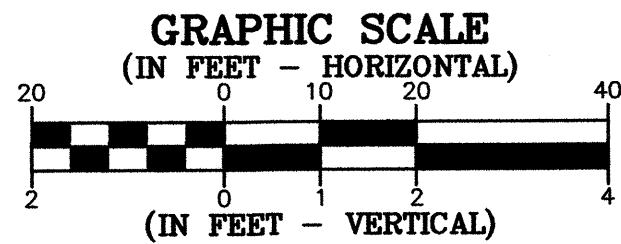
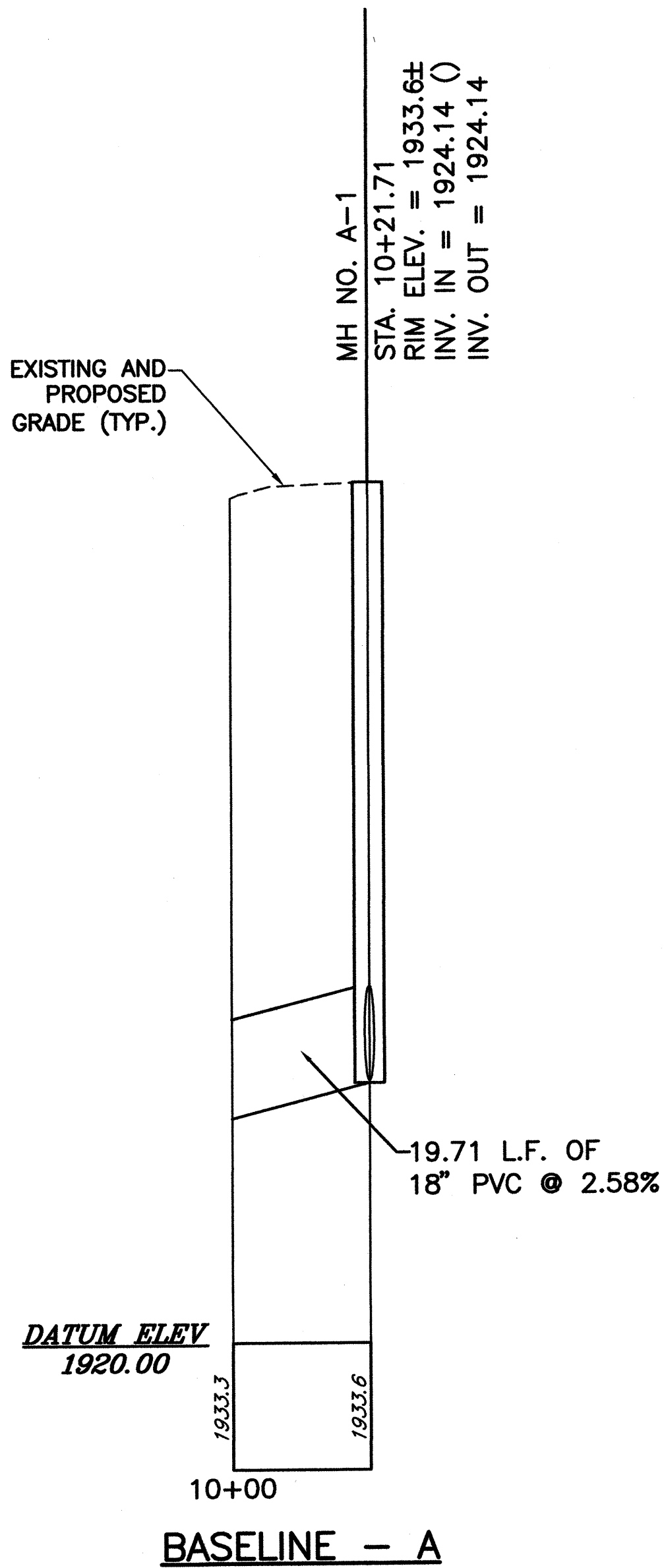
SANITARY PLAN

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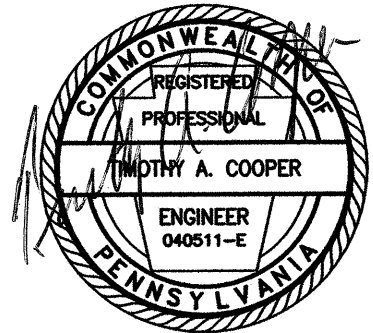
Drawing:

S1

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PROJECT NO.	20-0002
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P2