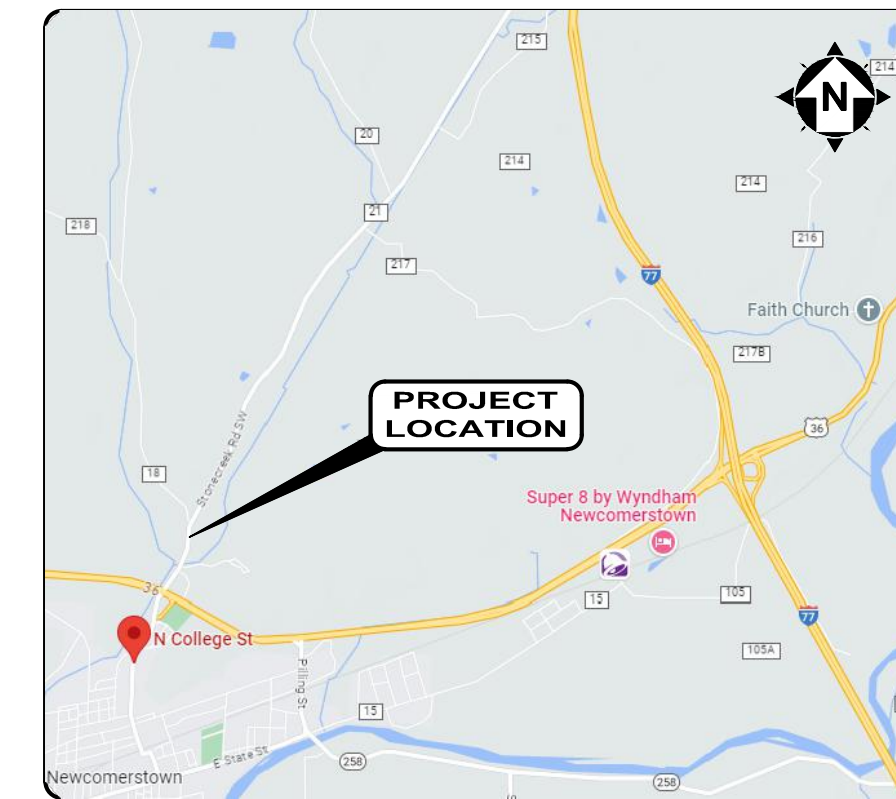


VILLAGE OF NEWCOMERSTOWN COLLEGE STREET SANITARY SEWER EXTENSION

VILLAGE OF NEWCOMERSTOWN, TUSCARAWAS COUNTY, OHIO

2024

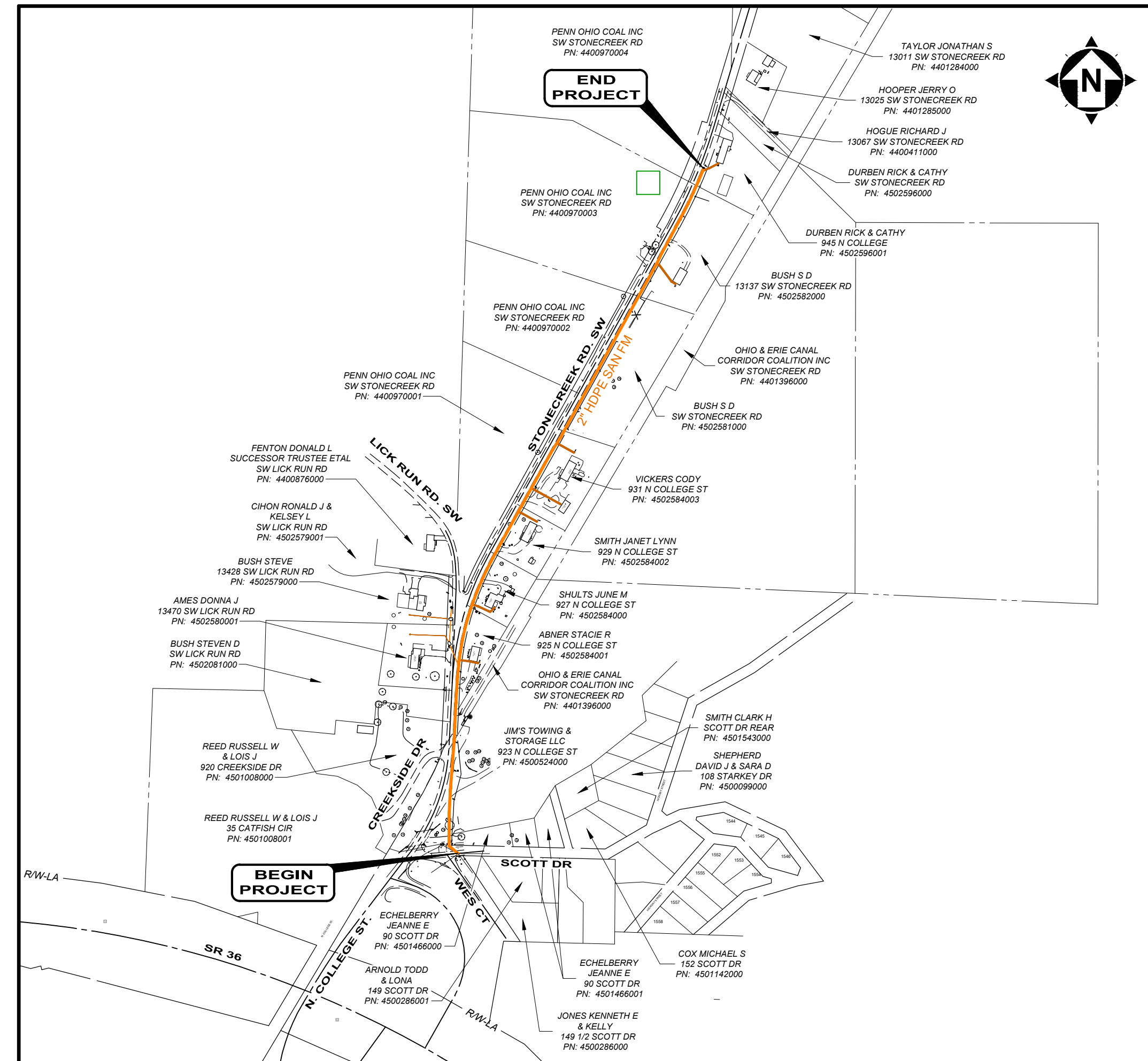


LOCATION MAP
NTS

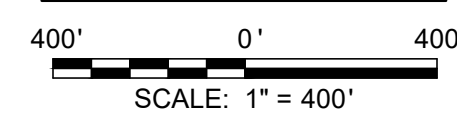
BENCH MARKS (NAVD 1988)		
NO.	DESCRIPTION	ELEV
BM1	TBM SET, "CHISLED SQUARE" SET ON SE BRIDGE ABUTMENT (PNT NO. 2789) NORTHING: 226598.1073 EASTING: 2219436.4370	810.13
BM2	C/L SW BOLT, S. END OF GUARDRAIL (PNT NO. 2196) NORTHING: 228191.5313 EASTING: 2219971.6510	831.41
BM3	TBM SET, MAG NAIL SET ON POWER POLE #238-135 (PNT NO. 2742) NORTHING: 222461.5078 EASTING: 2220601.8120	839.36

SOURCE OF TOPOGRAPHY: TOPOGRAPHIC SURVEY WAS PERFORMED BY CT CONSULTANTS, DECEMBER 2022, FOR VILLAGE OF NEWCOMERSTOWN, TUSCARAWAS COUNTY, OHIO.

UTILITY COMPANIES		
NOTE: UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD MARKINGS (BY OTHERS) AND AVAILABLE RECORDS, AND AS SUCH, SHOULD BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY - CALL BEFORE YOU DIG!		
SEWERS: VILLAGE OF NEWCOMERSTOWN 777 EAST STATE STREET NEWCOMERSTOWN, OHIO 43832 (740) 498-7330	WATER: VILLAGE OF NEWCOMERSTOWN 777 EAST STATE STREET NEWCOMERSTOWN, OHIO 43832 (740) 498-7330	COUNTY: TUSCARAWAS COUNTY ENGINEER 832 FRONT AVENUE SW NEW PHILADELPHIA, OHIO 44663 (330) 339-6648
ELECTRIC: AMERICAN ELECTRIC POWER ATTN: BRENT GATES 700 MORRISON ROAD GAHANNA, OHIO 43230 (614) 883-6802	GAS: COLUMBIA GAS OF OHIO ATTN: ROB CALDWELL 3350 JOHNNY APPLESEED CT. COLUMBUS, OHIO 43231 (614) 818-2104	VILLAGE: VILLAGE OF NEWCOMERSTOWN 777 EAST STATE STREET NEWCOMERSTOWN, OHIO 43832 (740) 498-7330
COMMUNICATION: AT&T OHIO ATTN: JON NIXON 955 36TH SE GRAND RAPIDS, MI 49508 (616) 881-2268	COMMUNICATION: CHARTER COMM ATTN: SAM LUTZ 3760 INTERCHANGE ROAD COLUMBUS, OHIO 43204 (614) 348-2966	



LOCATION MAP



INDEX OF SHEETS	
1	COVER SHEET
2 - 3	GENERAL NOTES & QUANTITIES
4	STANDARD DETAILS
5	SANITARY SCHEMATIC
6 - 10	SANITARY PLAN & PROFILES



ENGINEER	OWNER
CT CONSULTANTS 7965 N. HIGH STREET, SUITE 340 COLUMBUS, OHIO 43235 OFFICE: 614-885-1700 CONTACT: BOB MCNUTT, S.P.E. EMAIL: BMCNUTT@CTCONSULTANTS.COM	VILLAGE OF NEWCOMERSTOWN 777 EAST STATE STREET NEWCOMERSTOWN, OHIO 43832 (740) 498-7330

PROJECT DESCRIPTION:

THIS PROJECT INCLUDES EXTENSION OF SANITARY SEWER SERVICE TO REPLACE HOME SEPTIC TREATMENT SYSTEMS (HSTS) UTILIZING LOW PRESSURE SEWER SYSTEM (LPSS) USING INDIVIDUAL GRINDER PUMPS.

VILLAGE OF NEWCOMERSTOWN

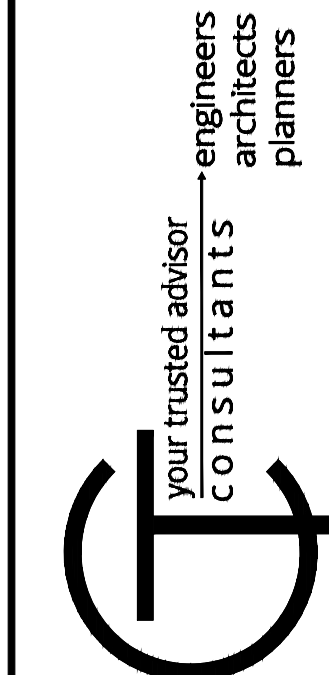
THE SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

Robert M. Cole
MAYOR

1/14/2025
DATE

Robert L. McNutt, PE
REGISTERED ENGINEER

11/21/2024
DATE



DATE	REVISION	NO	ISSUED FOR:	PRELIMINARY	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
					9/9/2024	AS SHOWN	BKU	BKU	RLM

COLLEGE STREET
SANITARY SEWER EXTENSION
VILLAGE OF NEWCOMERSTOWN, TUSCARAWAS COUNTY, OHIO
COVER SHEET

PROJECT NO.	220865
DISCIPLINE	CIVIL
SHEET NAME	COVR-SHT
SHEET	OF
1	10

11/21/2024

TUSCARAWAS COUNTY WATER RESOURCES SANITARY SEWER GENERAL NOTES:

GENERAL:

- THE CONTRACTOR SHOULD BE AWARE THAT THE INSTALLATION OF THE SANITARY SEWER MAY REQUIRE THE REMOVAL AND REPLACEMENT OF PAVEMENT, DRAINAGE PIPE, AND GRANULAR BACKFILL. THE LABOR AND MATERIAL COSTS ARE TO BE INCLUDED IN THE UNIT PRICES BID UNDER ITEM 901. SEE SPEC SECTIONS 901.03, 901.08 AND 901.09.
- CONTRACTOR SHALL RESTORE MAILBOXES, PAPERBOXES AND POST AFTER INSTALLATION OF SEWER IS COMPLETE.
- PRICES BID PER FOOT FOR ALL PIPE IS COMPLETE IN PLACE REGARDLESS OF SOIL OR ROCK CONDITIONS.
- EXISTING UTILITIES SHOWN ARE FROM BEST AVAILABLE RECORDS AND FIELD INVESTIGATIONS, AND ARE NOT NECESSARILY COMPLETE OR EXACT. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION AND SHALL MAKE ADJUSTMENTS IN ELEVATIONS TO PROVIDE SUFFICIENT CLEARANCE BETWEEN THE PROPOSED AND EXISTING UTILITIES FOR TRADITIONAL AND TRENCHLESS CONSTRUCTION METHODS. UTILITY SERVICES BROKEN OR DAMAGED SHALL BE REPAIRED AT ONCE TO AVOID INCONVENIENCE TO CUSTOMERS. STORM SEWERS SHALL NOT BE INTERRUPTED OVERNIGHT. THE CONTRACTOR SHALL CALL THE OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) THREE WORKING DAYS PRIOR TO WORK EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS.
- THE SPECIFICATIONS AND STANDARD CONSTRUCTION DRAWINGS OF THE TUSCARAWAS COUNTY WATER RESOURCES DEPARTMENT TOGETHER WITH THE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED HEREIN, IN FORCE AT THE TIME OF CONTRACT, SHALL GOVERN THIS PROJECT. SANITARY SEWER CONNECTIONS SHALL BE GOVERNED BY TUSCARAWAS COUNTY RULES AND REGULATIONS AND MUST BE INSPECTED BY THE TUSCARAWAS COUNTY WATER RESOURCES DEPARTMENT (TCWR) OR AUTHORIZED REPRESENTATIVE. TWENTY-FOUR HOURS ADVANCE NOTICE OF WORK SHALL BE GIVEN FOR THE SCHEDULING OF AN INSPECTOR.
- THE CONTRACTOR SHALL BASE HIS PROJECTED WORK SCHEDULES UPON THE FOLLOWING CRITERIA:
 - CONSTRUCTION HOURS SHALL BE FROM 8:00 AM TO 4:00 PM, MONDAY THROUGH FRIDAY - ONLY!
 - THE FOLLOWING GOVERNMENT HOLIDAYS SHALL BE OBSERVED BY THE CONTRACTOR:
 - NEW YEARS DAY
 - MARTIN LUTHER KING DAY
 - PRESIDENT'S DAY
 - MEMORIAL DAY
 - JUNETEETH
 - INDEPENDENCE DAY
 - LABOR DAY
 - COLUMBUS DAY
 - VETERAN'S DAY
 - THANKSGIVING DAY
 - THANKSGIVING DAY AFTER
 - CHRISTMAS DAY

SOIL BORES:

NO SOIL BORINGS WERE TAKEN AS PART OF THESE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL TAKE ALL SOIL BORINGS HE DEEMS NECESSARY. AT LEAST 48 HOUR NOTICE MUST BE GIVEN TO THE OWNER, AND THE LOCATION OF ALL SOIL BORINGS ARE SUBJECT TO THE APPROVAL OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM DIGGING SOIL BORES AND HE SHALL RESTORE ALL PROPERTY TO A CERTAIN SIMILAR OR EQUAL TO THE CONDITION THAT EXISTING BEFORE SUCH DIGGING WAS DONE. THE CONTRACTOR SHALL NOTE ALL DEWATERING, SHEETING, ETC. WHICH SHALL BE REQUIRED FOR CONSTRUCTION DUE TO SOIL AND WATER CONDITIONS. COST FOR DEWATERING, SHEETING, ETC., SHALL BE INCLUDED IN PRICE BID PER LINEAR FOOT OF RESPECTIVE ITEMS. ANY FOUNDATION SLAG REQUIRED SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF RESPECTIVE ITEMS.

ROAD PERMITS:

APPLICABLE ROAD PERMITS HAVE BEEN INCLUDED IN THE SPECIAL CONSTRUCTION REQUIREMENTS AND SUPPLEMENTAL SPECIFICATIONS FOR THIS PROJECT. ANY COST FOR LABOR, EQUIPMENT, MATERIAL, ETC., TO COMPLY WITH THESE PERMITS SHALL BE INCLUDED IN THE PRICES BID. THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE EXISTING RIGHT-OF-WAYS, CONSTRUCTION AND PERMANENT EASEMENTS AND SHALL NOT TRESPASS UPON OTHER PRIVATE PROPERTY WITHOUT THE WRITTEN CONSENT OF THE OWNER. THE CONTRACTOR SHALL BE SURE THAT ALL PERMITS REQUIRED TO OPEN CUT ROADS HAVE BEEN OBTAINED FROM THE GOVERNING LOCAL, COUNTY OR STATE DEPARTMENT PRIOR TO COMMENCEMENT OF WORK.

SANITARY SEWERS:

- THE COST OF PLUMBING, REROUTING AND DIVERTING ALL WATER AND SEWAGE DURING CONSTRUCTION SHALL BE INCLUDED FOR PAYMENT IN THE VARIOUS SEWER PAY ITEMS.
- GRAVITY SEWERS SHALL HAVE FLEXIBLE ADAPTERS AT CONNECTIONS OF DISSIMILAR PIPE-CONCRETE COLLARS ARE NOT ACCEPTABLE.
- ALL CONSTRUCTION SHALL CONFORM TO THE DEPT. OF LABOR, BUREAU OF LABOR STANDARDS SAFETY AND HEALTH REGULATIONS FOR THE CONSTRUCTION AND THE CONTRACT WORK HOURS AND SAFETY ACT. (CHAPTER XVII TITLE C&R, PART 1926 AND ALL ADDITIONS AND REVISIONS).
- ALL WATER AND SANITARY OR STORM SEWER CROSSINGS SHALL HAVE AN EIGHTEEN INCH (18") MINIMUM VERTICAL SEPARATION OUTSIDE DIAMETER (O.D.) TO (O.D.) ALL WATER AND SANITARY OR STORM SEWER SHALL HAVE A TEN FOOT (10') MINIMUM HORIZONTAL SEPARATION (O.D.) TO (O.D.). ALL WATER LINES CROSSING OTHER UTILITIES SHALL HAVE A TWELVE INCH (12") MINIMUM VERTICAL SEPARATION (O.D.) TO (O.D.) AND FOUR FOOT (4') MINIMUM HORIZONTAL CLEARANCE SEPARATION (O.D.) TO (O.D.).
- ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE STRICTLY PROHIBITED.
- NO BRICK MANHOLE CONSTRUCTION WILL BE PERMITTED. MANHOLE CASTING AND COVER TO BE INDENTED SOLID TOP DESIGN WITH HIDDEN PICKHOLES. ALL LIDS TO BE LABELED "SANITARY SEWER". CASTING SHALL BE NEEHAH R-1783-A WITH EXTRA HEAVY DUTY TYPE "B" LID (TOTAL WEIGHT APPROX. 470#) OR EAST JORDAN IRON WORKS CASTING 1522 WITH TYPE "A" LID. WHERE LABELED "WATERTIGHT" ON PLANS, LIDS SHALL BE SEALED WITH A NEOPRENE GASKET AND FOUR (4) 5/16" DIA. STAINLESS STEEL BOLTS.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING PVC MARKERS AT ALL MANHOLES, CLEAN-OUTS, AIR RELEASE VALVE PITS, LINE VALVES, ETC. ON CROSS-COUNTRY SEWER LINES. INCLUDE A GPS LAT/LONG READING ON ALL REFERENCED ITEMS ABOVE. AFTER LATERAL WYE BRANCH, RISER AND CONNECTION HAVE BEEN INSTALLED, THE END OF THE CONNECTION SHALL BE SEALED WITH AN AIR TIGHT SPIGOT CAP OR AIR TIGHT PLUG AND THE CAP OR PLUG PAINTED YELLOW. THE END OF THE SANITARY CONNECTION SHALL BE MARKED WITH A 2" X 2" HARDWOOD STAKE, EXTENDING VERTICALLY FROM THE END OF THE CONNECTION TO A POINT APPROX. 3' ABOVE THE SURFACE OF THE GROUND.

- LEAKAGE TEST FOR MANHOLES - VACUUM TESTING OF CONCRETE SEWER MANHOLES SHALL BE TESTED (IAW) IN ACCORDANCE WITH ASTM C-1244-93. LEAKAGE TEST FOR SEWERS - EITHER WATER OR AIR TEST SHALL BE CONDUCTED TO SHOW EXFILTRATION OR INFILTRATION NOT TO EXCEED 100 GALLONS PER INCH DIAMETER PER MILE PER DAY, AND A MINIMUM POSITIVE HEAD OF 2 FEET. AIR TESTING SHALL CONFORM TO ASTM F-1417 FOR PLASTIC PIPE. DEFLECTION TESTS FOR FLEXIBLE PIPE - NO PIPE SHALL EXCEED A DEFLECTION OF 5 PERCENT. ALL INSPECTION AND TESTING SHALL BE DONE BY AN EXPERIENCED AND QUALIFIED FIRM ENGAGED IN THIS TYPE OF WORK, AS APPROVED BY TCWR. WRITTEN REPORTS FOR ALL INSPECTION AND TESTING SHALL BE SUBMITTED TO TCWR FOR APPROVAL. ALL SANITARY SEWERS MUST BE FLUSHED AND PASS THE LATEST PROPOSED LOW PRESSURE AIR TEST REQUIREMENTS AND DEFLECTION TEST REQUIREMENTS OF THE OEPA. ALL FINAL TESTING AND INSPECTIONS SHALL BE PERFORMED AFTER COMPLETION OF CONSTRUCTION AND SEEDING OF DISTURBED AREAS. IF THE INSTALLATION FAILS TO MEET THE REQUIREMENTS OF THESE TESTS AND INSPECTIONS, THE CONTRACTOR SHALL REPAIR ALL DEFECTS AND RETEST THE INSTALLATION WITH NO ADDITIONAL COST TO THE COUNTY.
- EACH SECTION OF FORCE MAIN SHALL BE SUBJECT TO A HYDROSTATIC TEST OF 50 PSI AT THE HIGH END OF THE PIPE OR TWICE THE WORKING PRESSURE WHICHEVER IS THE GREATER. ALL TESTING SHALL BE DONE IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE. THE ALLOWABLE LEAKAGE PER 1000 FEET OF FORCE MAIN PER HOUR SHALL COMPLY WITH TUSCARAWAS COUNTY STANDARDS SPECS SECTION 920.06.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO THE EXISTING SEWERAGE SYSTEM RESULTING FROM NON-CONFORMANCE WITH VILLAGE OR ODOT STANDARDS OR GENERAL NEGLIGENCE. ALL REPAIRS OR REPLACEMENTS MUST CONFORM TO TCWR STANDARDS.
- TWELVE (12") INCH GRADE ADJUSTMENT OF MANHOLES PERMITTED WITH CONCRETE GRADE RINGS. MAXIMUM ADJUSTMENT NOT TO EXCEED 12 INCHES. MINIMUM OF ONE GRADE RING REQUIRED.
- WHERE INLET AND OUTLET PIPES CONNECT TO MANHOLES A FLEXIBLE WATERTIGHT JOINT AS APPROVED BY VILLAGE IS REQUIRED.
- THE GRAVITY SEWER AND FORCE MAIN SEWER SHALL CONFORM TO THE MATERIAL TYPES AS NOTED IN THE PLANS AND PROJECT SPECIFICATIONS. ALL NONMETALLIC PIPE SHALL INCLUDE THE INSTALLATION OF A TRACE WIRE. WATER TRACE WIRE SHALL BE #12 AWG STEEL-COPPER COMPOSITE WIRE WITH 45 MIL HIGH DENSITY POLYETHYLENE EXTERIOR COATING, 21% IACS CONDUCTIVITY, BLUE IN COLOR, AND HAVE 1,030 POUND MINIMUM BREAK LOAD. SEWER TRACE WIRE SHALL BE #12 AWG STEEL-COPPER COMPOSITE WIRE WITH 45 MIL HIGH DENSITY POLYETHYLENE EXTERIOR COATING, 21% IACS CONDUCTIVITY, GREEN IN COLOR, AND HAVE 1,030 POUND MINIMUM BREAK LOAD.
- THE PREFERRED MINIMUM COVER FOR SANITARY SEWERS CONSTRUCTED UNDER A ROAD IS FIVE FEET (5'). UNDER NO CIRCUMSTANCES SHALL THE COVER FOR ANY SANITARY SEWER BE LESS THAN FIVE FEET (5').
- SANITARY SEWER LATERALS ARE TO BE SIX INCH (6") DIAMETER AT A GRADE OF 1.0% UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. A MINIMUM OF FIVE FOOT (5') COVER IS TYPICAL. ALL LATERALS SHALL MAINTAIN AN EIGHTEEN INCH (18") VERTICAL AND TEN FOOT (10') HORIZONTAL SEPARATION FROM ALL WATER LINES AND STORM SEWER UNLESS THE LATERAL IS CONSTRUCTED USING (D.I.P) DUCTILE IRON PIPE CLASS 53. ALL NEW LATERALS SHALL ENTER THE NEW SEWER PIPE AT A 45° ANGLE. NO LATERAL SHALL DROP AT A 90° ANGLE INTO THE SEWER PIPE.
- PLACE PLUGS IN ENDS OF UNCOMPLETED CONDUIT AT THE END OF EACH DAY OR WHENEVER WORK STOPS. ALL NEWLY LAID SEWER SHALL BE FLUSHED AND ALL MANHOLES INSPECTED FOR CLEANLINESS UPON COMPLETION OF THE PROJECT.

STORM SEWER:

- THE CONTRACTOR SHALL REPLACE/REPAIR ALL EXISTING STORM SEWERS AND CATCH BASINS DISTURBED AS A RESULT OF THIS PROJECT. ANY STORM SEWERS UNDERNEATH ROADWAYS SHALL BE ODOT AND VILLAGE ENGINEER APPROVED PIPE SECTIONS. STORM CULVERTS BENEATH DRIVE APRONS SHALL BE REPLACED IN KIND WITH THE SAME SIZE AND MATERIAL PIPE OR APPROVED EQUIVALENT MATERIAL. STORM SEWERS REPLACED WITHIN YARDS SHALL BE NON-PERFORATED HI-Q CORRUGATED EXTERIOR, SMOOTH INTERIOR, STORM DRAINAGE PIPE BY HANCOR OR VILLAGE APPROVED EQUAL. ALL WORK SHALL BE PER ODOT ITEM CMS 611 REQUIREMENTS. THIS WORK IF REQUIRED SHALL BE INCLUDED IN THE PRICE BID UNDER ITEM 901.
- ALL STORM INLET STRUCTURES SHALL BE PROTECTED FROM SILT INFILTRATION. GRATE OPENINGS SHALL BE COVERED WITH ENGINEERING FABRIC AND STRAW BALES SHALL BE PLACED AROUND ALL STORM INLET STRUCTURES TO PREVENT SILT FROM ENTERING STORM SYSTEM.
- ALL STORM SEWER INSTALLED BENEATH PAVEMENT SHALL BE REINFORCED CONCRETE OF SAME SIZE OF PIPE BEING REPLACED. CONTROL DENSITY BACKFILL SHALL BE UTILIZED FOR STORM SEWER BENEATH PAVEMENT.

TREE REMOVAL & PROTECTION:

RIGHT OF WAY:

ALL TREES, STUMPS, BRUSH, SHRUBS, AND BUSHES THAT ARE MARKED ON THE PLANS TO BE REMOVED SHALL BE CUT DOWN, REMOVED AND LEGALLY DISPOSED OF BY THE CONTRACTOR, REGARDLESS OF INSTALLATION METHODS; TO INCLUDE TRENCHLESS DRILLING CONSTRUCTION. TREE STUMPS OUTSIDE OF THE TRENCH EXCAVATION LIMITS AND WITHIN FIELD OR WOODED AREAS MAY REMAIN BUT SHALL BE CUT FLUSH WITH THE GROUND ELEVATION. TREE STUMPS WITHIN LAWN YARD AREAS SHALL BE GROUND AND REMOVED TO 6" BELOW THE GROUND ELEVATION. THE CONTRACTOR SHALL SAVE AND PROTECT ALL TREES OUTSIDE OF THE RIGHT OF WAY. WHEN PROTECTED TREES HAVE LIMBS PROTRUDING INTO THE RIGHT OF WAY AND IN CONFLICT WITH CONSTRUCTION EQUIPMENT, THE PROPERTY OWNER MAY GRANT PERMISSION TO PRUNE. THE CONTRACTOR SHALL GET APPROVAL FOR ALL TREE PRUNING FROM THE ENGINEER. ANY TREES, STUMPS, BRUSH, SHRUBS, AND BUSHES NOT MARKED IN THE PLANS TO BE REMOVE THAT IS DEEMED BY THE CONTRACTOR AS NECESSARY FOR REMOVAL SHALL REQUIRE WRITTEN PERMISSION FROM THE PROPERTY OWNER AND VILLAGE BEFORE REMOVING. THE CONTRACTOR COSTS TO PERFORM ALL OF THIS DESCRIBED WORK WITHIN THE RIGHT OF WAY IS INCLUDED IN THE COST OF THE VARIOUS BID ITEMS.

EASEMENT:

ALL TREES, STUMPS, BRUSH, SHRUBS, AND BUSHES WHOSE TRUNK IS LOCATED WITHIN THE PERMANENT EASEMENT SHALL BE CUT DOWN, REMOVED AND LEGALLY DISPOSED OF BY THE CONTRACTOR. TREE TRUNKS AND LIMBS OF 6" DIAMETER AND GREATER SHALL BE CUT TO 10' LENGTHS, SAVED AND OFFERED TO THE PROPERTY OWNER. IF THE PROPERTY OWNER DOES NOT WANT THE WOOD, THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL AND DISPOSE OFF THE SITE. TREE STUMPS OUTSIDE OF THE TRENCH EXCAVATION LIMITS AND WITHIN FIELD OR WOODED AREAS MAY REMAIN BUT SHALL BE CUT FLUSH WITH THE GROUND ELEVATION. TREE STUMPS WITHIN LAWN YARD AREAS SHALL BE GROUND AND REMOVED TO 6" BELOW THE GROUND ELEVATION. TREES, STUMPS, BRUSH, SHRUBS, AND BUSHES SHALL BE REMOVED WITHIN THE PERMANENT EASEMENT REGARDLESS OF TRENCHLESS DRILLING CONSTRUCTION INSTALLATION METHODS USED BY HE CONTRACTOR. THE CONTRACTOR SHALL SAVE AND PROTECT ALL TREES OUTSIDE OF THE PERMANENT EASEMENT. WHEN PROTECTED TREES HAVE LIMBS PROTRUDING INTO THE PERMANENT EASEMENT AND IN CONFLICT WITH CONSTRUCTION EQUIPMENT, THE PROPERTY OWNER MAY GRANT PERMISSION TO PRUNE. THE CONTRACTOR SHALL GET APPROVAL FOR ALL TREE PRUNING FROM THE ENGINEER. THE CONTRACTOR COSTS TO PERFORM ALL OF THIS DESCRIBED WORK WITHIN THE PERMANENT EASEMENT IS INCLUDED IN THE COST OF THE VARIOUS BID ITEMS.

ROADWAYS & DUST CONTROL:

- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE OHIO AND FEDERAL MANUALS OF UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL THOROUGHLY CLEAN OFF ALL ROADS OF ANY DIRT OR DEBRIS DAILY AND SHALL UTILIZE DUST CONTROL AS NECESSARY OR AS REQUESTED BY THE ENGINEERING INSPECTOR.
- ALL DISTURBED UTILITIES, SIGNS, GUARD RAIL, MAIL AND/OR PAPER BOXES, ROADWAYS AND DRIVEWAYS SHALL BE PUT TEMPORARILY IN SERVICE AT THE END OF EACH WORK DAY, UNTIL PERMANENT REPAIRS CAN BE COMPLETED. THE CONTRACTOR SHALL REPLACE ALL SIDEWALKS AND DECORATIVE ISLANDS WITHIN GRANTED WORK EASEMENTS.

PROHIBITED CONSTRUCTION ACTIVITIES:

- NO USING ANY SUBSTANCE OTHER THAN WATER TO CONTROL DUST.
- NO OPEN BURNING OF PROJECT DEBRIS WITHOUT A PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AN OEPA OPEN BUILDING AIR PERMIT OR DISPOSING OF THE TREES AND STUMPS.
- NO PUMPING OF SEDIMENT-LADEN WATER FROM TRENCHES OR OTHER EXCAVATIONS INTO ANY SURFACE WATERS, ANY STREAM CORRIDORS, ANY WETLANDS, OR STORM SEWERS.
- NO DISCHARGING POLLUTANTS - SUCH AS CHEMICALS, FUELS, LUBRICANTS, BITUMINOUS MATERIALS, RAW SEWERAGE - AND OTHER HARMFUL WASTE INTO OR ALONGSIDE RIVERS, STREAMS, IMPOUNDMENTS OR INTO NATURAL OR MAN-MADE CHANNELS LEADING THERETO.
- NO STORING CONSTRUCTION EQUIPMENT AND VEHICLES AND/OR STOCKPILING CONSTRUCTION MATERIALS ON PROPERTY, PUBLIC OR PRIVATE, ASPHALT OR CONCRETE ROADWAY SURFACES (INCLUDING ANY EARTH EXCAVATION OR EMBANKMENT MATERIAL). NOT PREVIOUSLY SPECIFIED OR APPROVED BY THE ENGINEER FOR SAID PURPOSES.
- NO DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA.
- NO HEAVY MOTORIZED CONSTRUCTION EQUIPMENT ENTERING THE STREAM CHANNEL.
- NO DISPOSAL OF TREES, BRUSH AND OTHER DEBRIS IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR AT UNSPECIFIED LOCATIONS.

UTILITY POLES:

- THE UTILITY POWER POLES ARE OWNED BY AMERICAN ELECTRIC POWER (AEP). CONTRACTOR SHALL CONFIRM UTILITY POLE OWNERSHIP. CONTRACTOR SHALL COORDINATE AND PROVIDE UTILITY POLE OWNER (AEP) TRUCK EQUIPMENT TO PROVIDE POLE HOLDS AND IF REQUIRED DURING SEWER CONSTRUCTION AT THE CONTRACTORS EXPENSE. THIS WORK IF REQUIRED IS INCLUDED WITH THE UNIT PRICE OF THE BID ITEMS 901.

EXISTING UTILITY LINES:

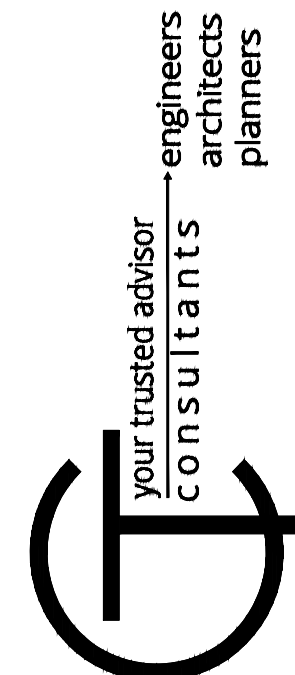
- ANY GAS SERVICE / MAIN LINES, WATER SERVICE / MAIN LINES, COMMUNICATIONS CABLE SERVICE / MAINS, OTHER UTILITY LINES OR UTILITY POLE (SHOWN OR NOT SHOWN ON THESE DRAWINGS) CONFLICT THAT REQUIRES TEMPORARY OR PERMANENT RELOCATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL COORDINATE ALL RELOCATIONS WITH THROUGH THE OWNER OF THE UTILITY IN QUESTION. COSTS OF RELOCATIONS WILL BE RESPONSIBILITY OF OWNER OF THAT UTILITY.

LATERALS:

- ALL LATERALS THAT CROSS THE ROADWAY WILL BE BORED. ANYWHERE WHERE THAT IS NOT FEASIBLE THE CONTRACTOR SHALL GET APPROVAL FROM ENGINEER BEFORE ANY WORK IS DONE IN THAT LOCATION.

GRINDER PUMP STATION SCHEDULE				
SS & GP	ADDRESS	STA	(1) SS LENGTH (FT)	GP SERIAL NUMBER
1	#925 N. COLLEGE ST.	7+72	74.91'	
2	#927 N. COLLEGE ST.	9+95	99.38'	
3	#929 N. COLLEGE ST.	14+00	82.92'	
4	#931 1/2 N. COLLEGE ST.	15+04	129.89'	
5	#931 N. COLLEGE ST.	17+06	76.97'	
6	#945 N. COLLEGE ST.	29+15	65.83'	
7	#13470 SW. LICK RUN RD.	8+36	171.83'	
8	#13428 SW. LICK RUN RD.	9+28	161.46'	

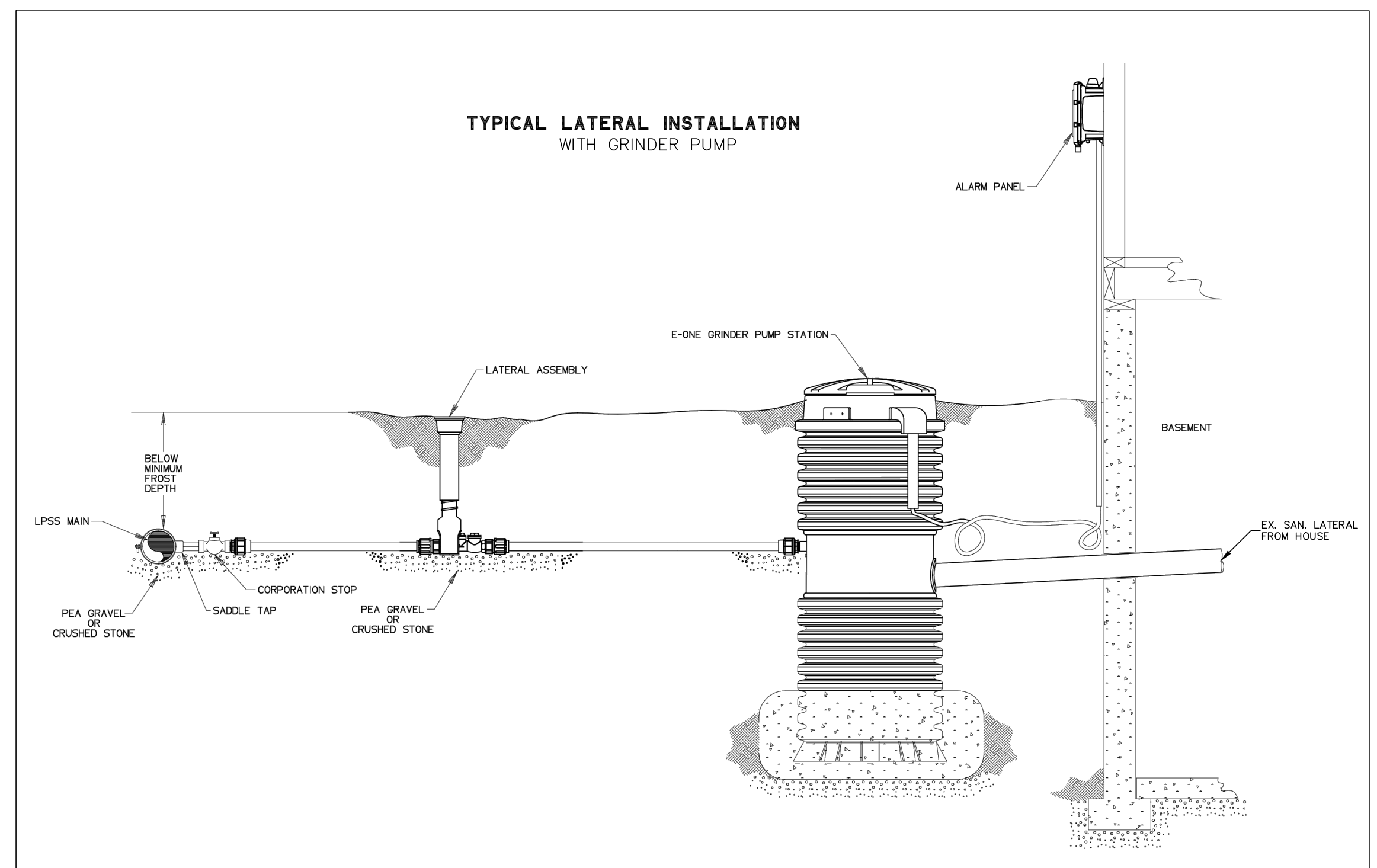
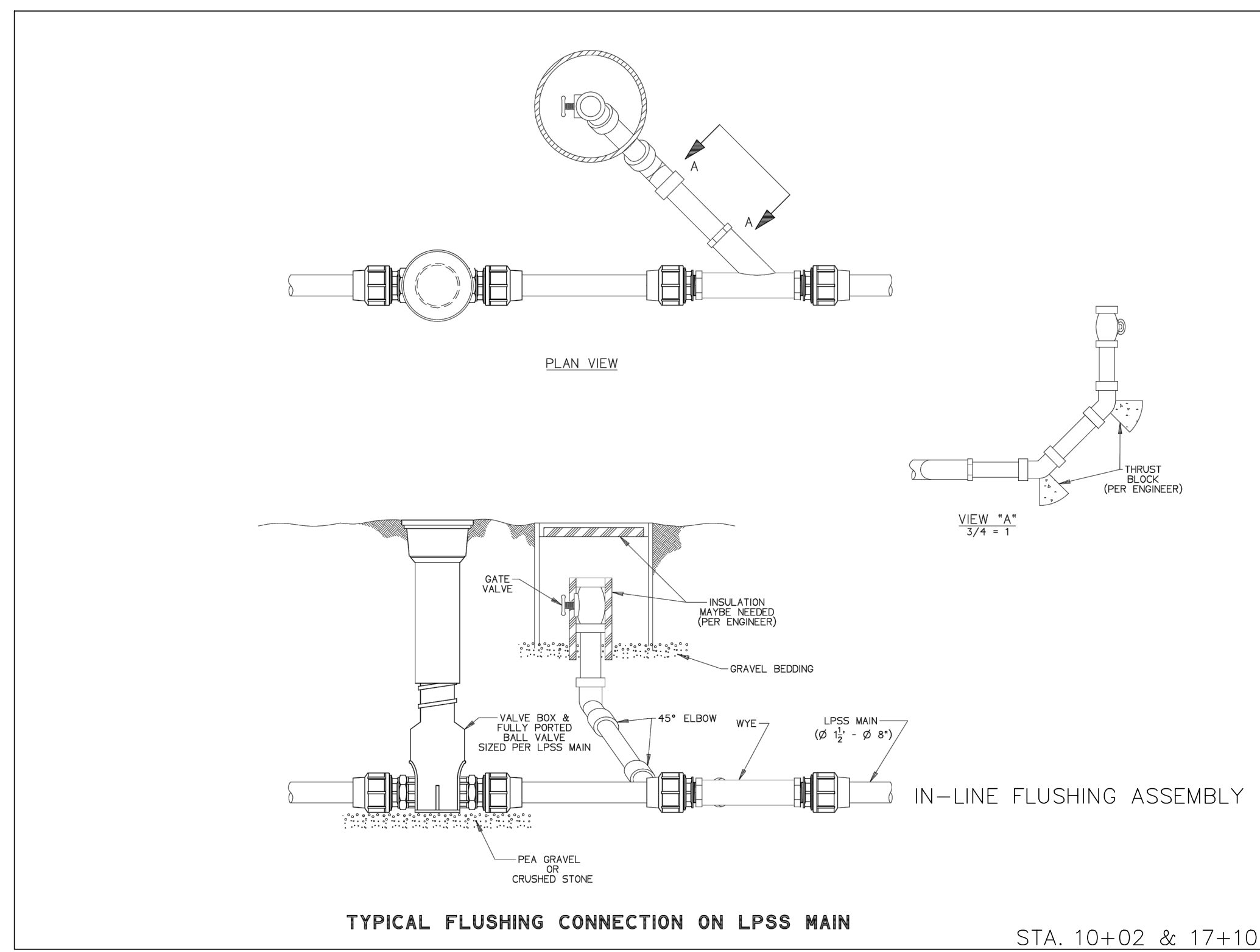
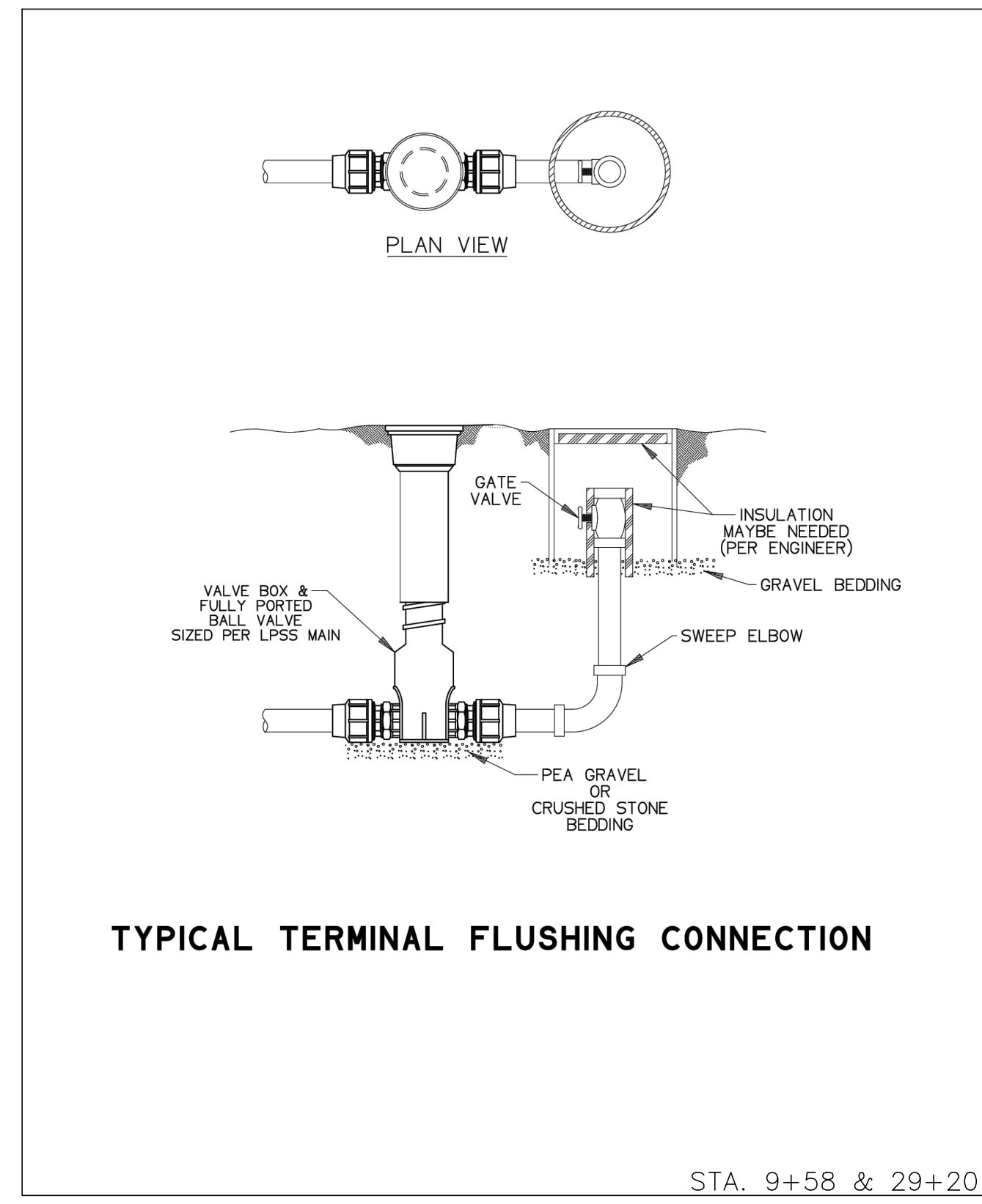
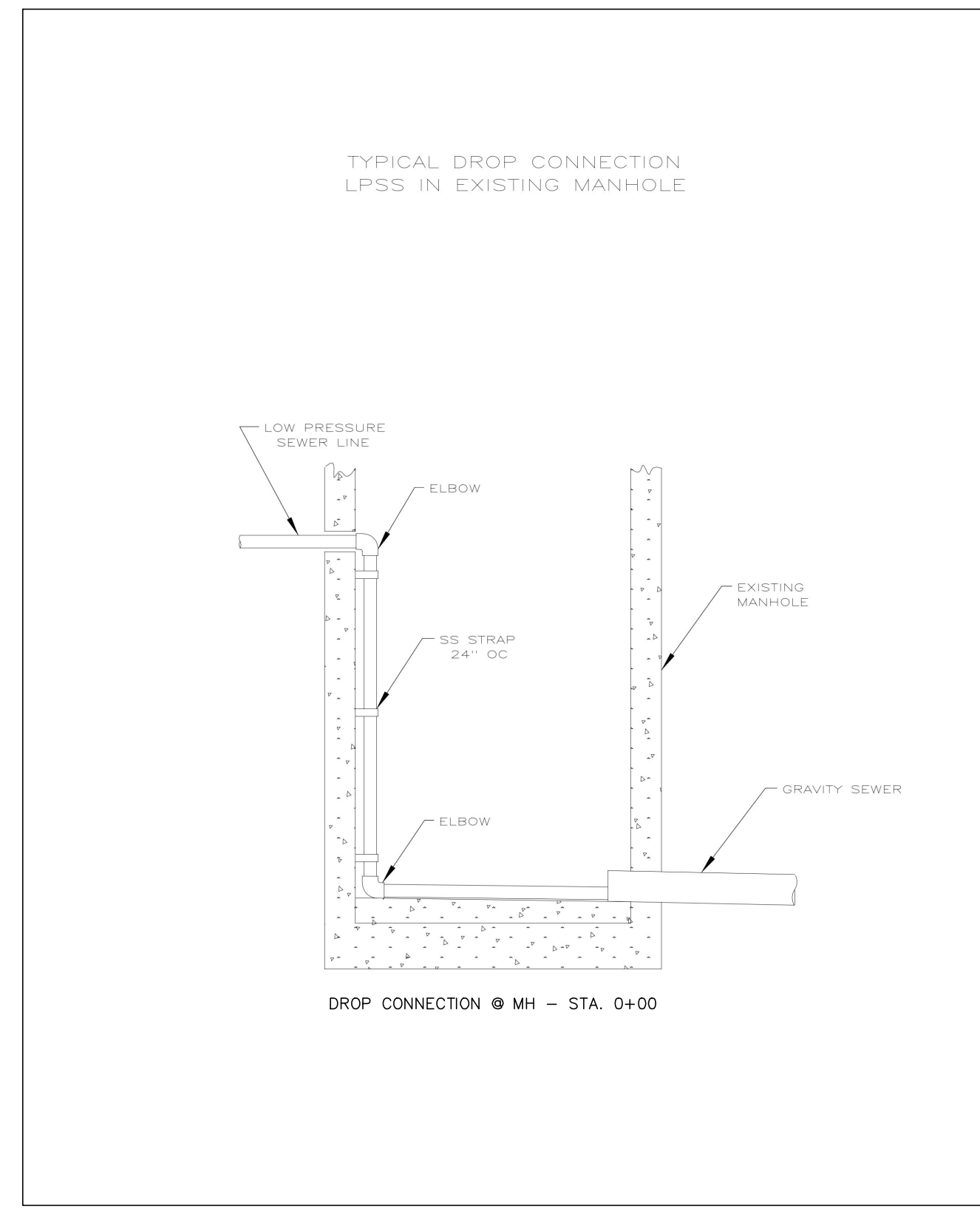
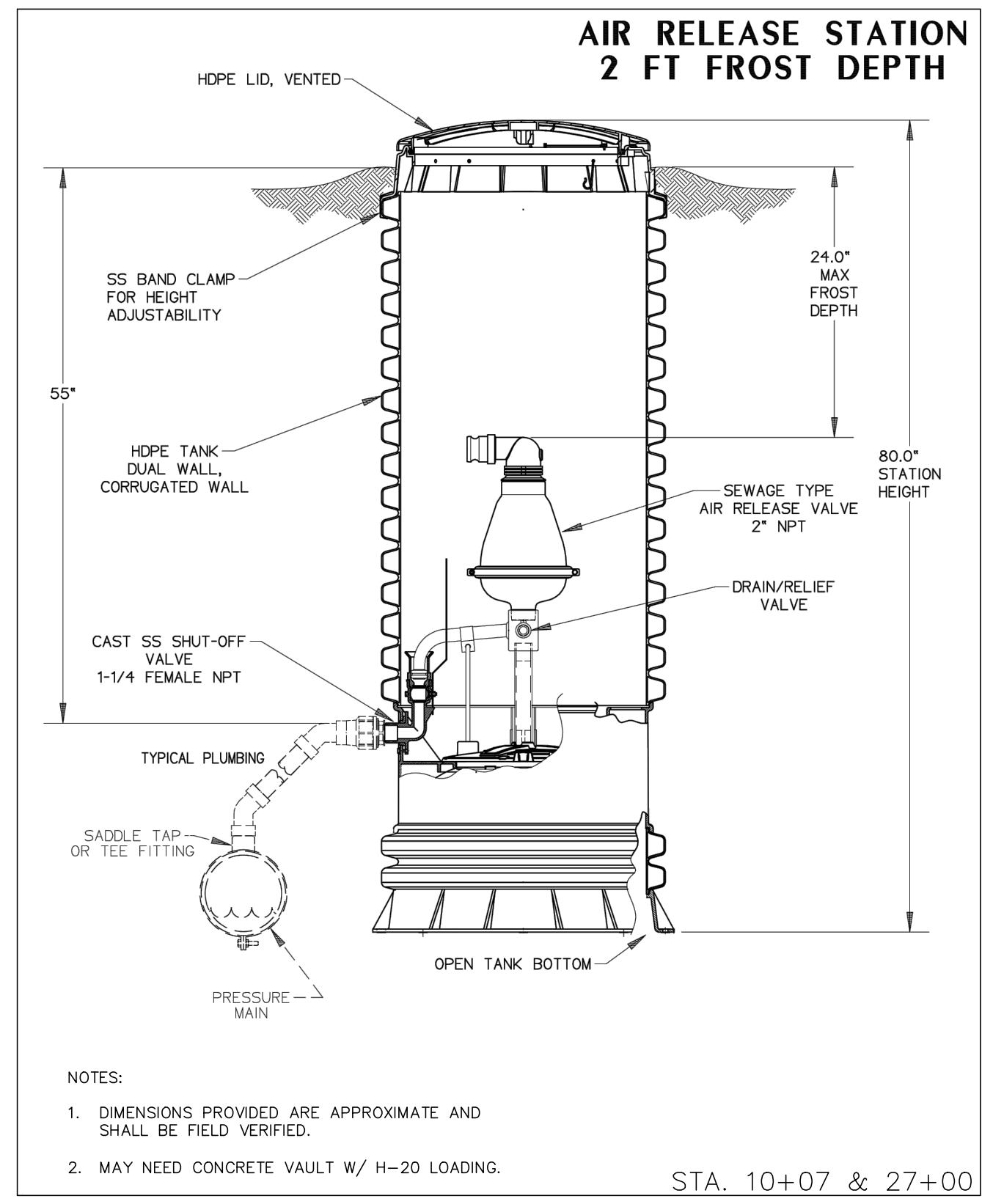
NOTES:
 (1) - LENGTHS ARE ESTIMATED, ACTUAL LENGTH TO BE FIELD VERIFIED.
 (2) - SCHEDULE OF ADDRESSES TO BE IMPROVED WITH THIS PROJECT.
 CONTRACTOR TO PROVIDE SERIAL NUMBER OF EACH GRINDER PUMP FOR EACH LOCATION.



ISSUED FOR:	PRELIMINARY	NO	REVISION	DATE
ISSUE DATE:	9/9/2024			
SCALE:	AS SHOWN			
DESIGNED BY:	BKU			
DRAWN BY:	BKU			
CHECKED BY:	RLM			

COLLEGE STREET
SANITARY SEWER EXTENSION
 VILLAGE OF NEWCOMERTOWN, TUSCARAWAS COUNTY, OHIO
GENERAL NOTES & QUANTITIES

PROJECT NO.	
220865	
DISCIPLINE	
CIVIL	
SHEET NAME	
GEN-NOTE2	
SHEET	OF
3	10



NOTE: ELECTRICAL MUST BE CONNECTED IN EACH HOUSE.

your trusted advisor
engineers
architects
planners

consultants

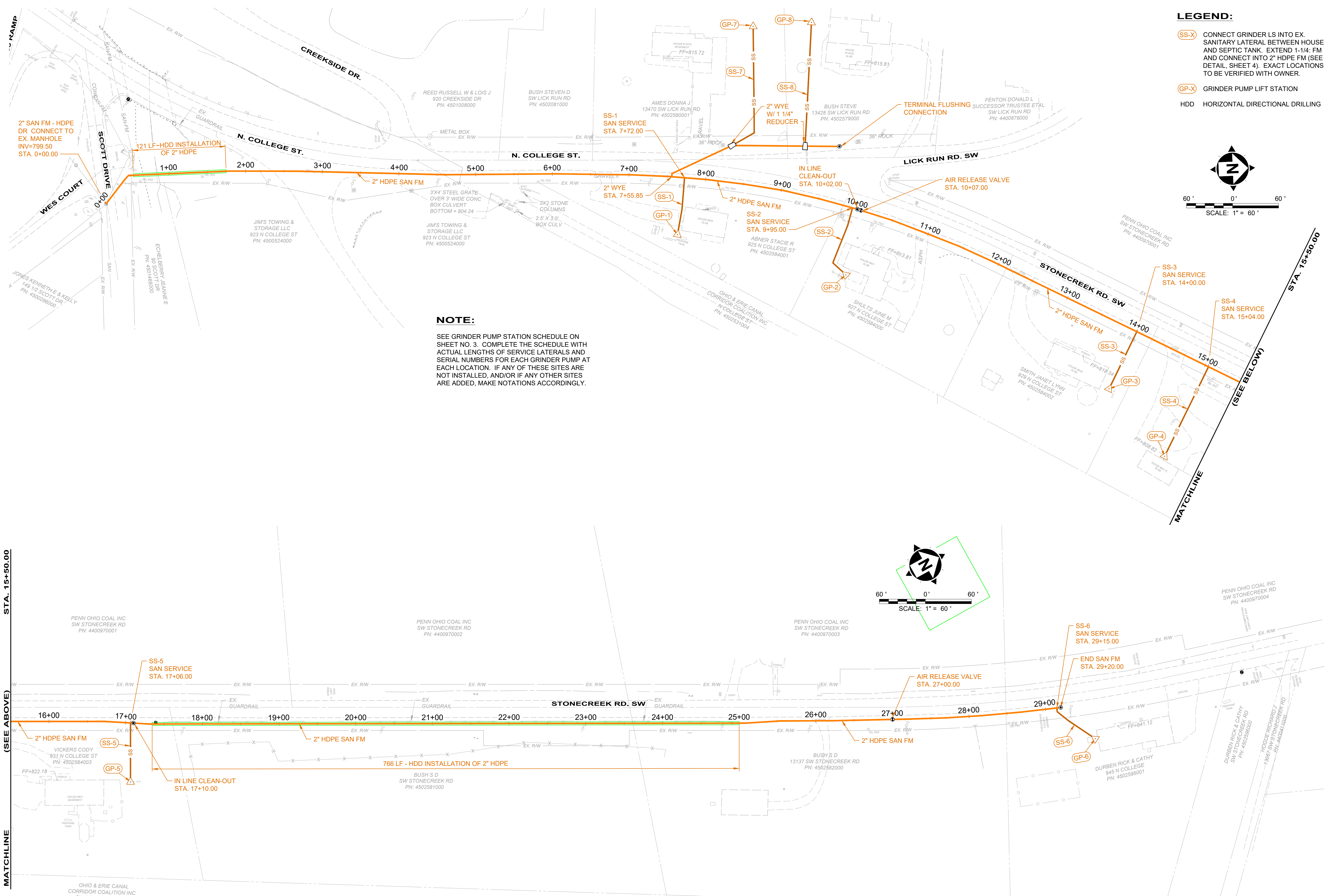
NO	REVISION	DATE

ISSUED FOR:	PRELIMINARY
ISSUE DATE:	9/9/2024
SCALE:	AS SHOWN
DESIGNED BY:	BKU
DRAWN BY:	BKU
CHECKED BY:	RLM

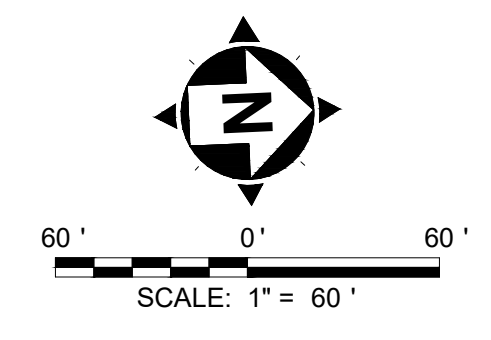
**COLLEGE STREET
SANITARY SEWER EXTENSION**
VILLAGE OF NEWCOMERTOWN, TUSCARAWAS COUNTY, OHIO

STANDARD DRAWINGS

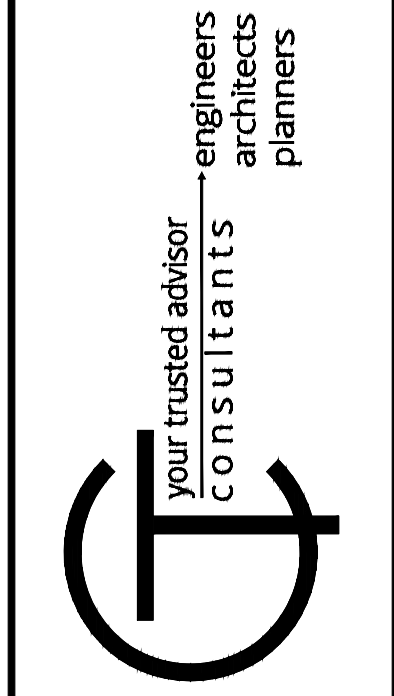
PROJECT NO.	220865
DISCIPLINE	CIVIL
SHEET NAME	STD-DWGS
SHEET	OF
4	10



- LEGEND:**
- (SS-X) CONNECT GRINDER LS INTO EX. SANITARY LATERAL BETWEEN HOUSE AND SEPTIC TANK. EXTEND 1-1/4' FM AND CONNECT INTO 2" HDPE FM (SEE DETAIL SHEET 4). EXACT LOCATIONS TO BE VERIFIED WITH OWNER.
 - (GP-X) GRINDER PUMP LIFT STATION
 - HDD HORIZONTAL DIRECTIONAL DRILLING



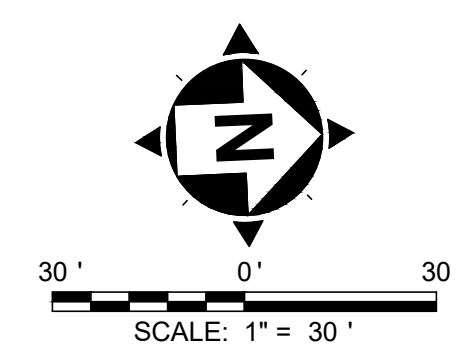
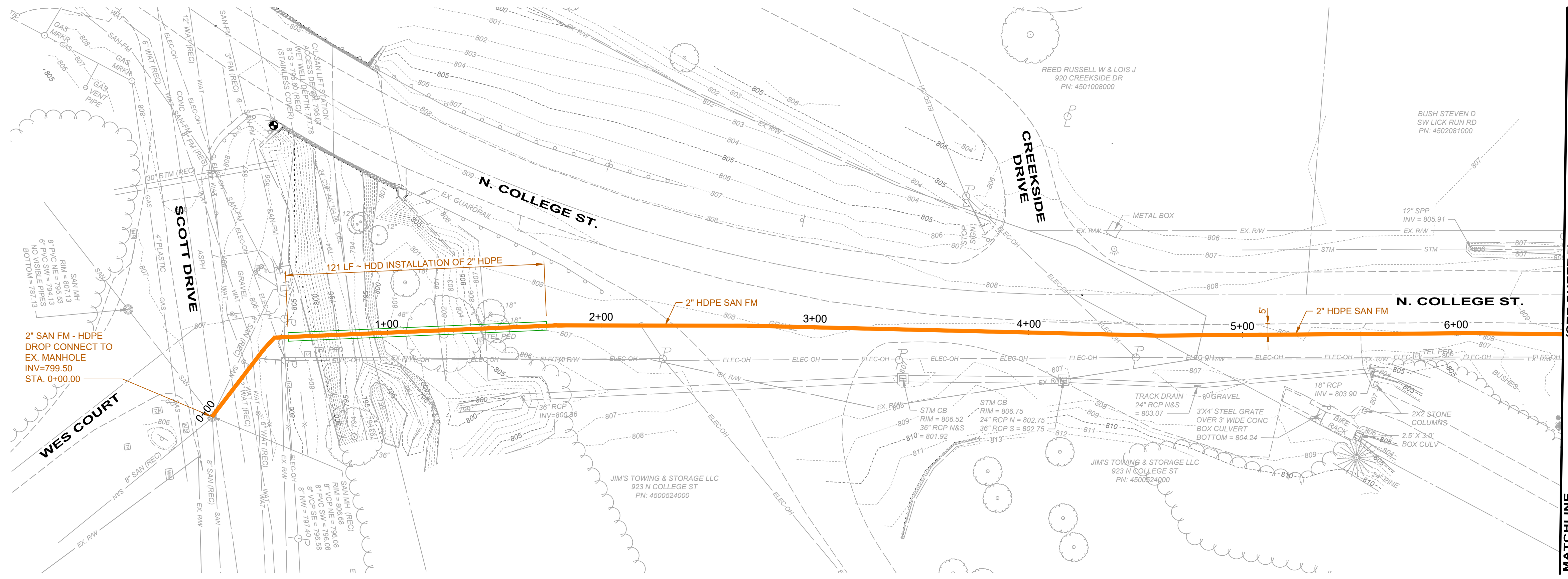
NOTE:
SEE GRINDER PUMP STATION SCHEDULE ON SHEET NO. 3. COMPLETE THE SCHEDULE WITH ACTUAL LENGTHS OF SERVICE LATERALS AND SERIAL NUMBERS FOR EACH GRINDER PUMP AT EACH LOCATION. IF ANY OF THESE SITES ARE NOT INSTALLED, AND/OR IF ANY OTHER SITES ARE ADDED, MAKE NOTATIONS ACCORDINGLY.



ISSUED FOR:	PRELIMINARY	NO	REVISION	DATE
ISSUE DATE:	9/9/2024			
SCALE:	AS SHOWN			
DESIGNED BY:	BKU			
DRAWN BY:	BKU			
CHECKED BY:	RLM			

**COLLEGE STREET
SANITARY SEWER EXTENSION**
VILLAGE OF NEWCOMERTOWN, TUSCARAWAS COUNTY, OHIO

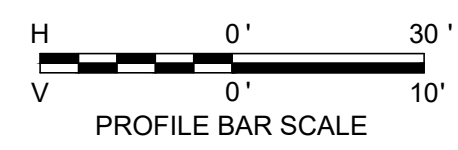
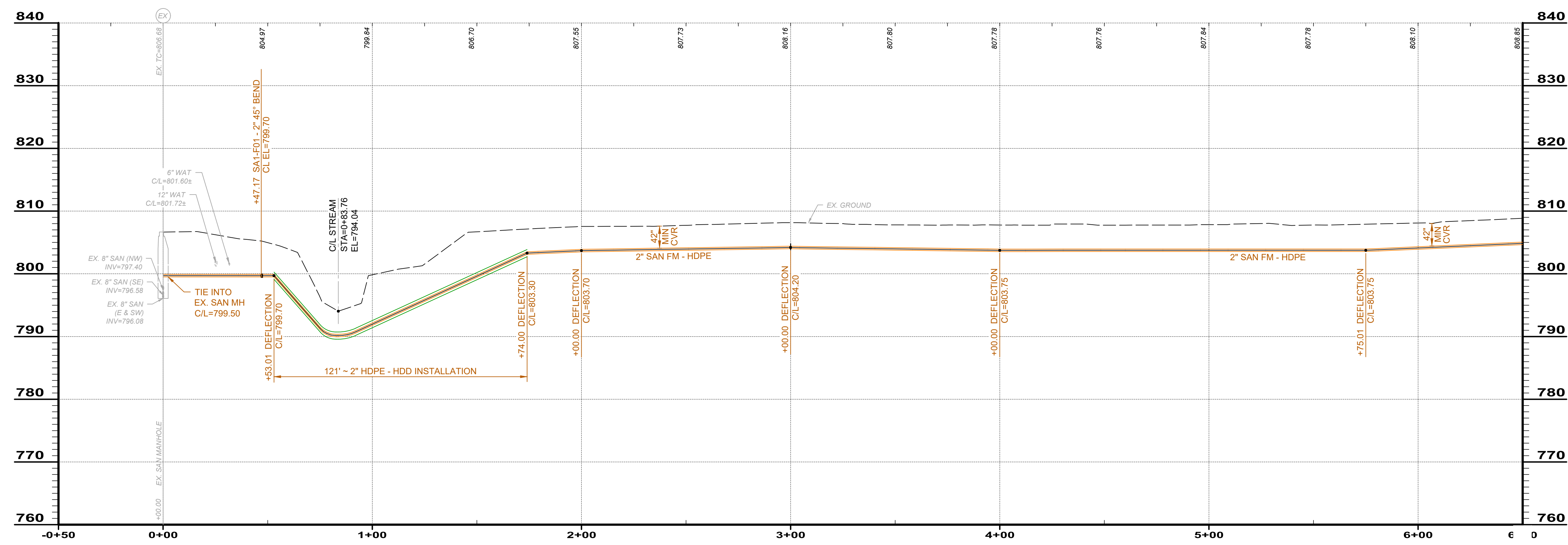
PROJECT NO.	220865
DISCIPLINE	CIVIL
SHEET NAME	SCHM-PLN
SHEET	5
OF	10



LEGEND:
 HDD HORIZONTAL DIRECTIONAL DRILLING

your trusted advisor
consultants
 engineers
 architects
 planners

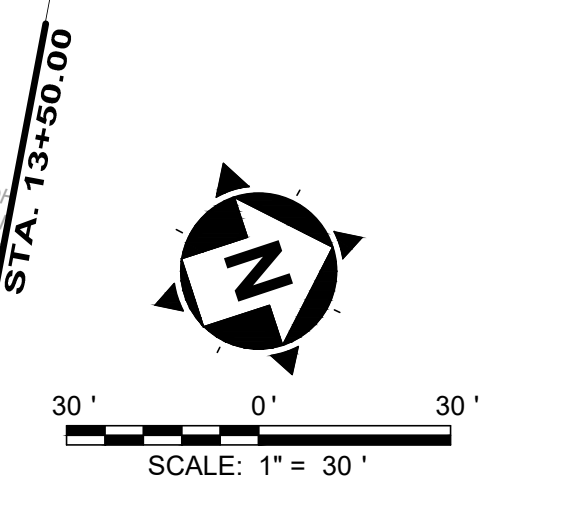
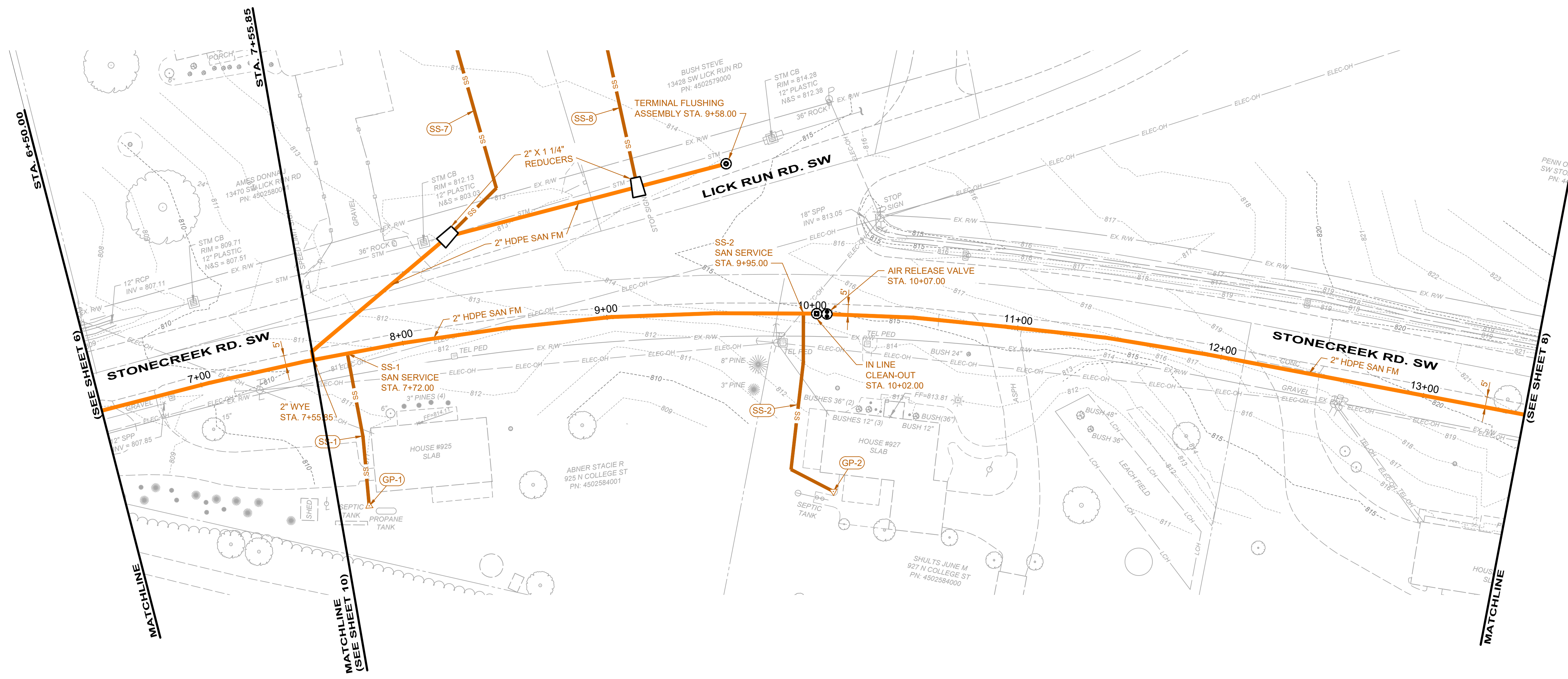
NO	REVISION	DATE



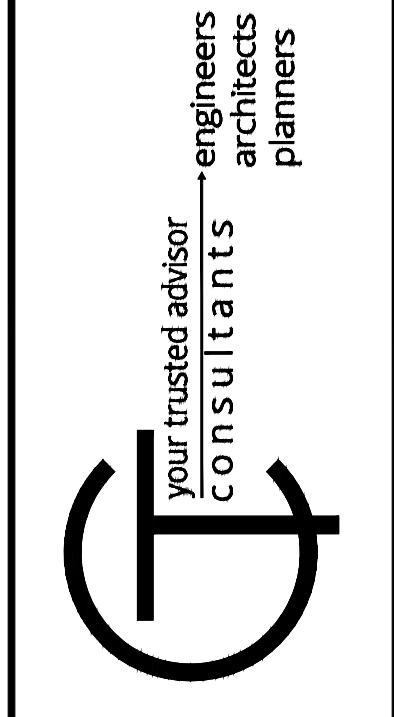
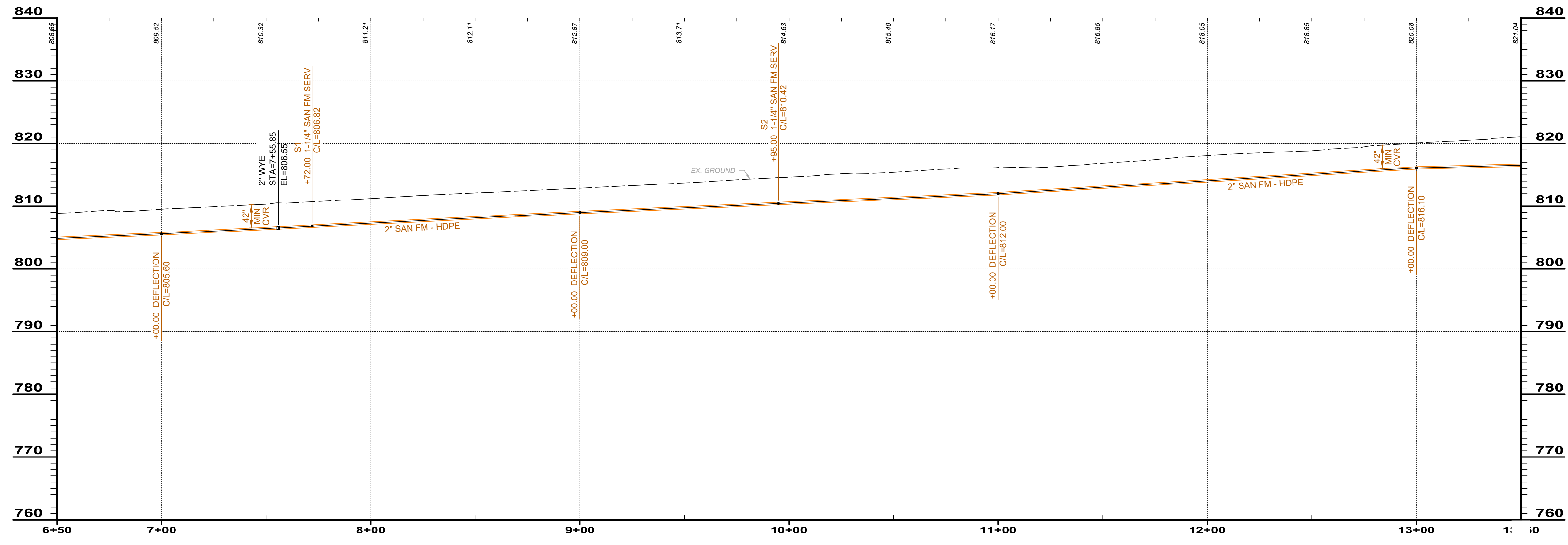
COLLEGE STREET
SANITARY SEWER EXTENSION
 VILLAGE OF NEWCOMERTOWN, TUSCARAWAS COUNTY, OHIO

SANITARY PLAN & PROFILES
 STA. 0+00.00 TO STA. 6+50.00

PROJECT NO.	220865
DISCIPLINE	CIVIL
SHEET NAME	SAN-P&P1
SHEET	6
OF	10



- LEGEND:**
- SS-X CONNECT GRINDER LS INTO EX. SANITARY LATERAL BETWEEN HOUSE AND SEPTIC TANK. EXTEND 1-1/4\"/>
 - GP-X GRINDER PUMP LIFT STATION

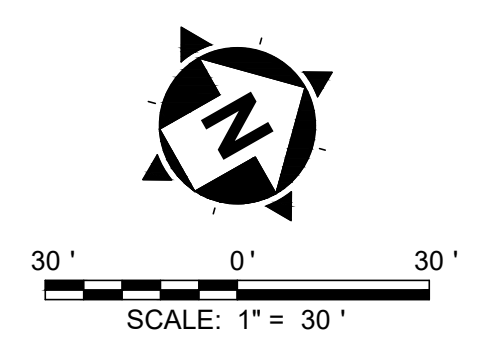
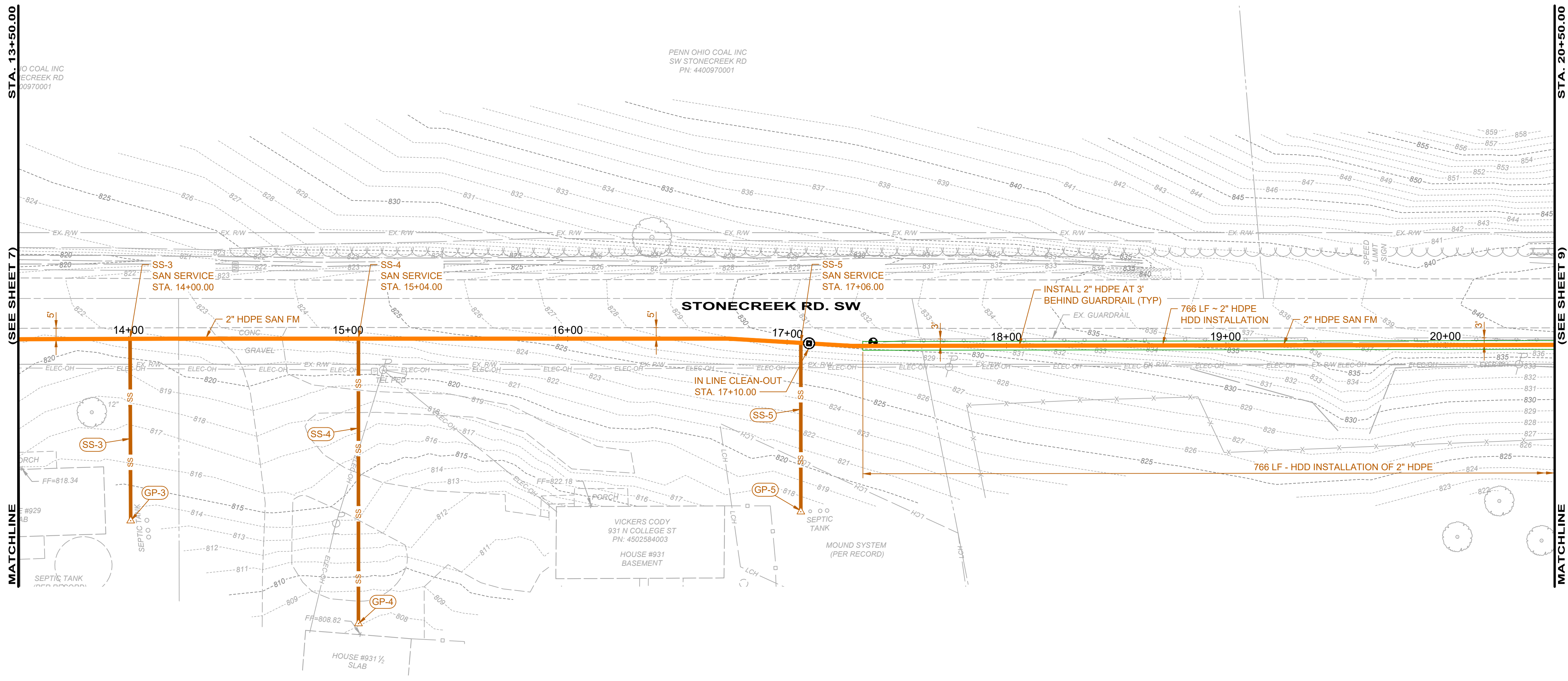


ISSUED FOR:	PRELIMINARY	NO	REVISION	DATE
ISSUE DATE:	9/9/2024			
SCALE:	AS SHOWN			
DESIGNED BY:	BKU			
DRAWN BY:	BKU			
CHECKED BY:	RLM			

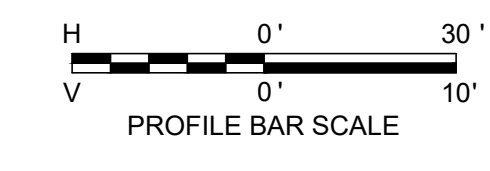
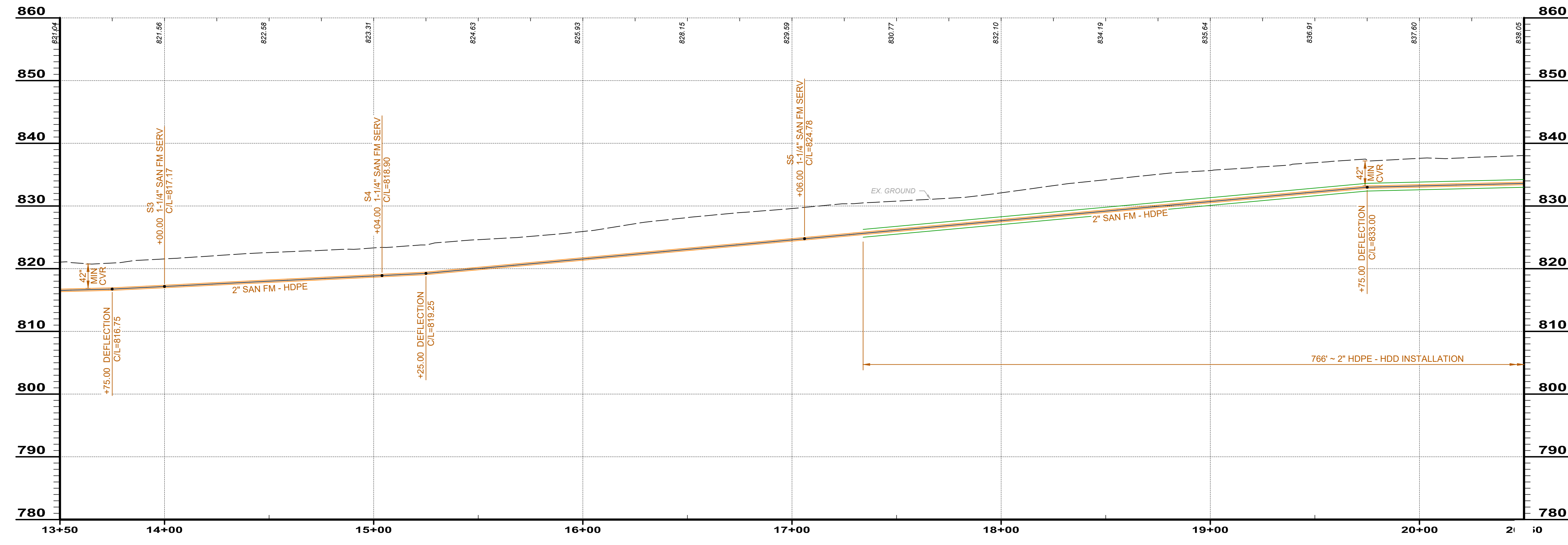
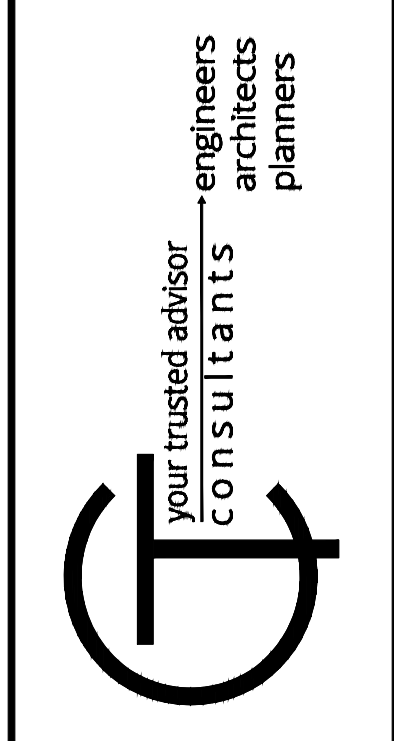
COLLEGE STREET
SANITARY SEWER EXTENSION
 VILLAGE OF NEWCOMERTOWN, TUSCARAWAS COUNTY, OHIO

SANITARY PLAN & PROFILES
 STA. 6+50.00 TO STA. 13+50.00

PROJECT NO.	220865
DISCIPLINE	CIVIL
SHEET NAME	SAN-P&P2
SHEET	7
OF	10



- LEGEND:**
- (SS-X) CONNECT GRINDER LS INTO EX. SANITARY LATERAL BETWEEN HOUSE AND SEPTIC TANK. EXTEND 1-1/4\"/>
 - (GP-X) GRINDER PUMP LIFT STATION
 - HDD HORIZONTAL DIRECTIONAL DRILLING



ISSUED FOR:	PRELIMINARY	NO.	REVISION	DATE
ISSUE DATE:	9/9/2024			
SCALE:	AS SHOWN			
DESIGNED BY:	BKU			
DRAWN BY:	BKU			
CHECKED BY:	RLM			

COLLEGE STREET
SANITARY SEWER EXTENSION
 VILLAGE OF NEWCOMERTOWN, TUSCARAWAS COUNTY, OHIO

SANITARY PLAN & PROFILES
STA. 13+50.00 TO STA. 20+50.00

PROJECT NO.	220865
DISCIPLINE	CIVIL
SHEET NAME	SAN-P&P3
SHEET	8
OF	10

STA. 20+50.00

(SEE SHEET 8)

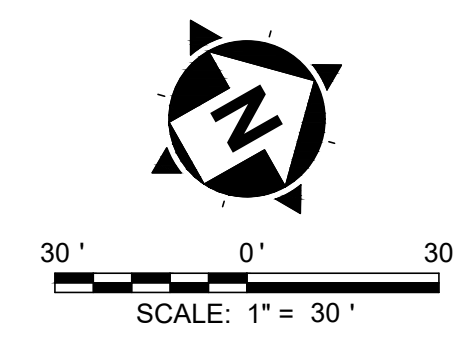
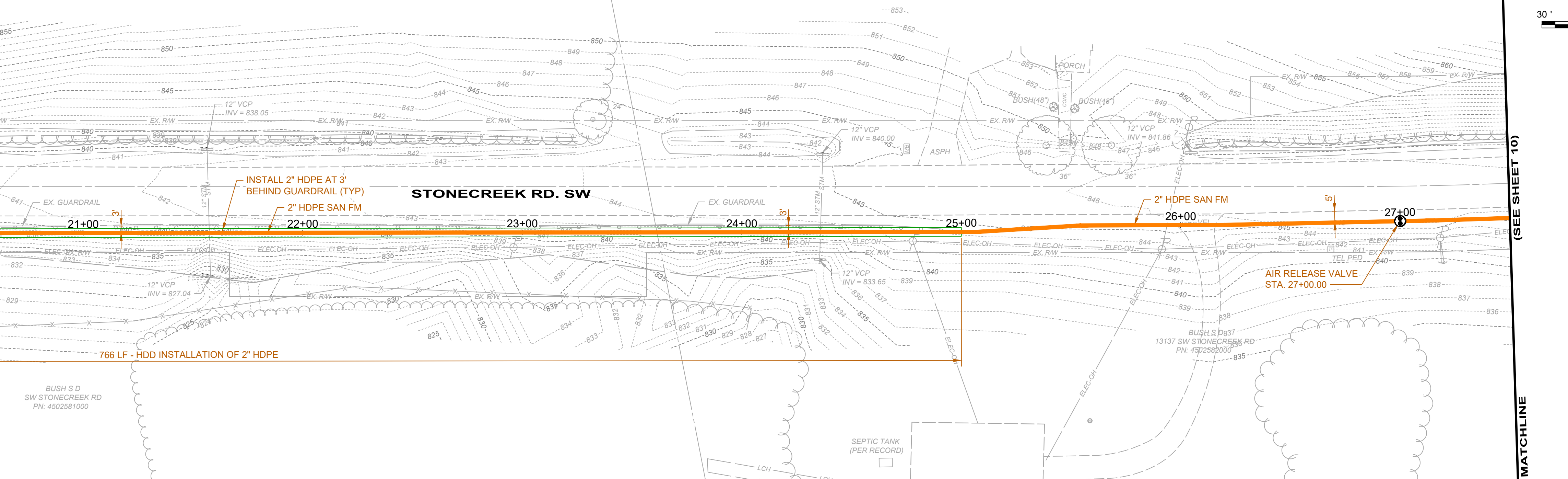
MATCHLINE

870
860
850
840
830
820
810
800
790

20+50

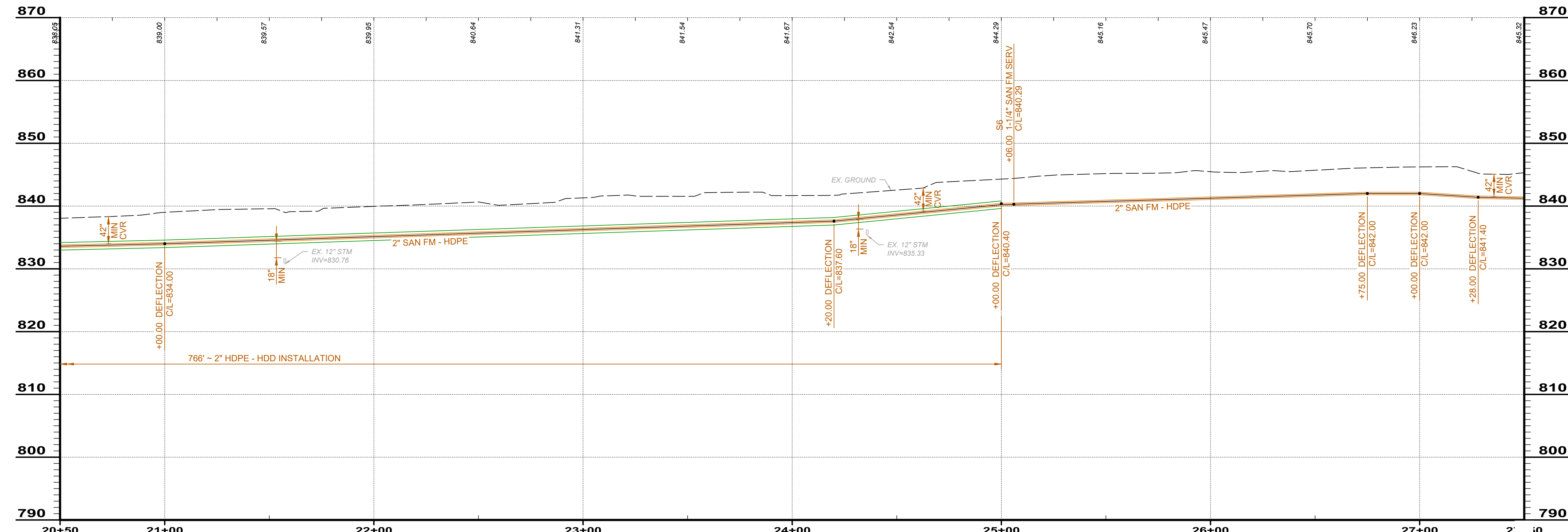
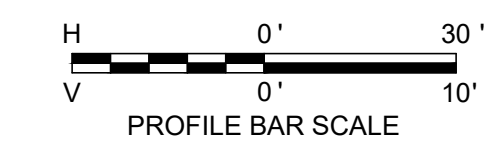
PENN OHIO COAL INC
SW STONECREEK RD
PN: 4400970002

PENN OHIO COAL INC
SW STONECREEK RD
PN: 4400970003



LEGEND:

- (SS-X) CONNECT GRINDER LS INTO EX. SANITARY LATERAL BETWEEN HOUSE AND SEPTIC TANK. EXTEND 1-1/4" FM AND CONNECT INTO 2" HDPE FM (SEE DETAIL, SHEET 4). EXACT LOCATIONS TO BE VERIFIED WITH OWNER.
- (GP-X) GRINDER PUMP LIFT STATION
- HDD HORIZONTAL DIRECTIONAL DRILLING



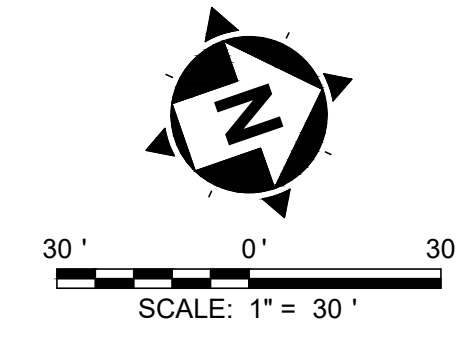
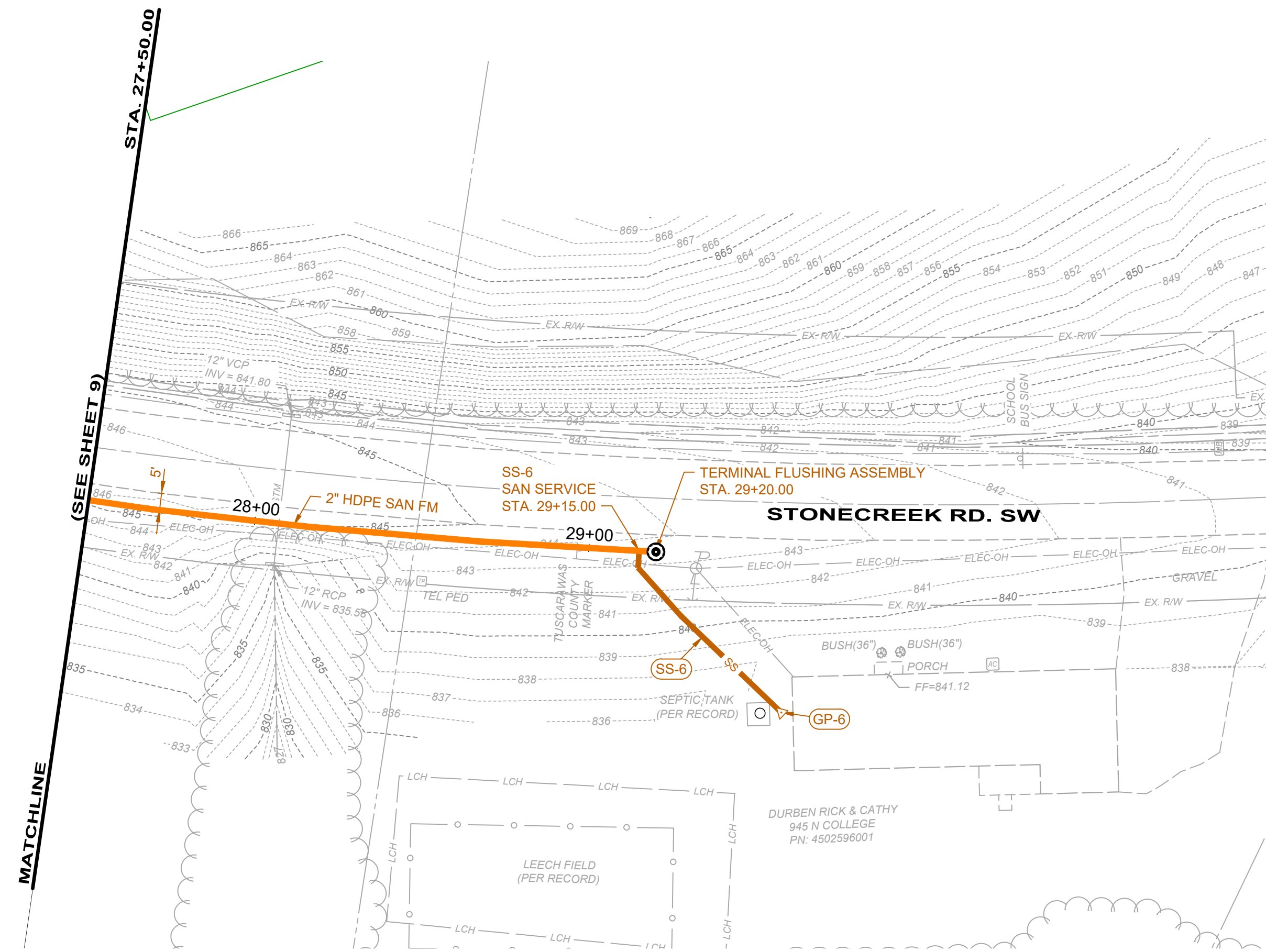
your trusted advisor
engineers
architects
planners
consultants

ISSUED FOR:	PRELIMINARY	NO	REVISION	DATE
ISSUE DATE:	9/9/2024			
SCALE:	AS SHOWN			
DESIGNED BY:	BKU			
DRAWN BY:	BKU			
CHECKED BY:	RLM			

COLLEGE STREET
SANITARY SEWER EXTENSION
 VILLAGE OF NEWCOMERTOWN, TUSCARAWAS COUNTY, OHIO

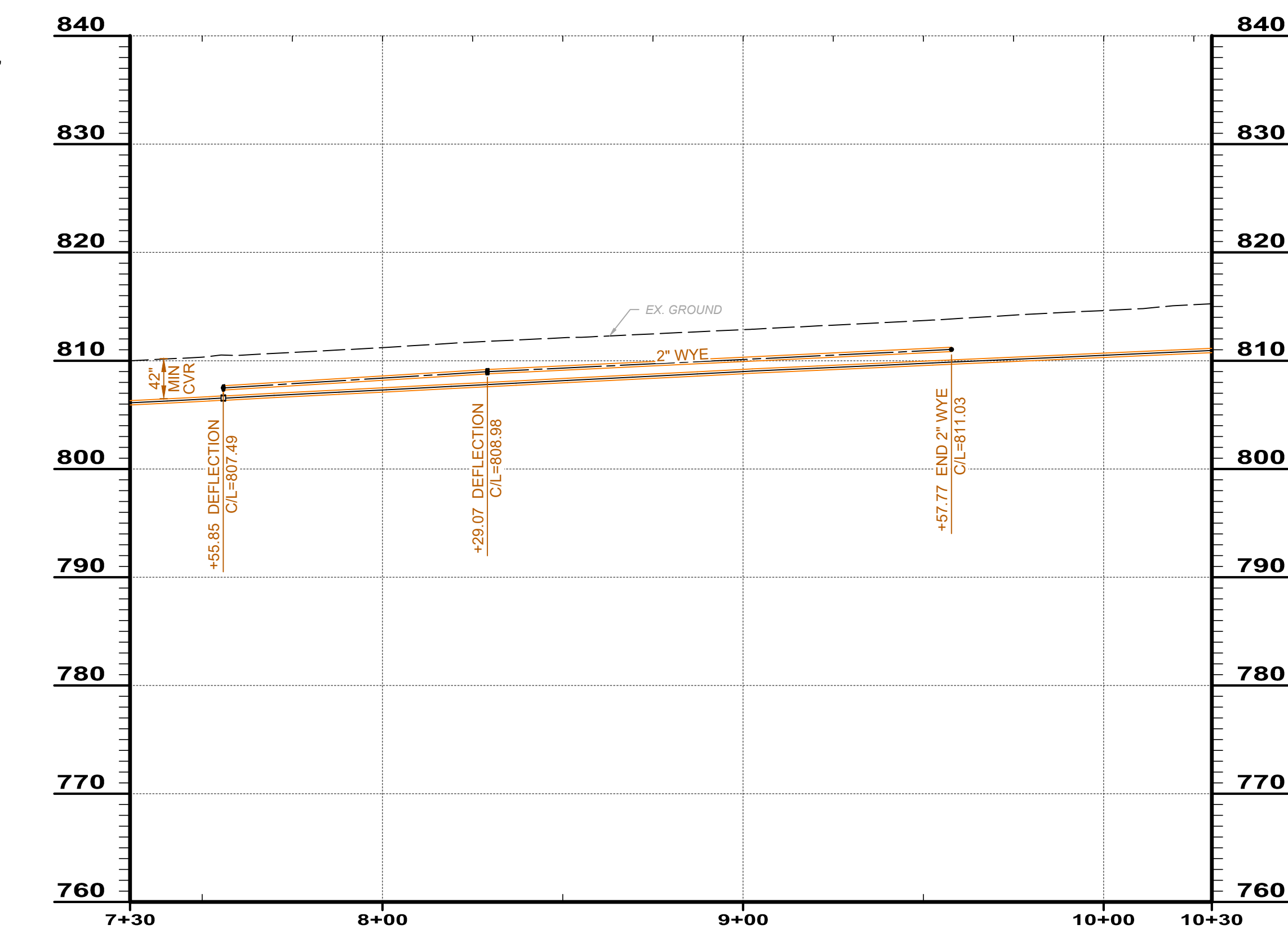
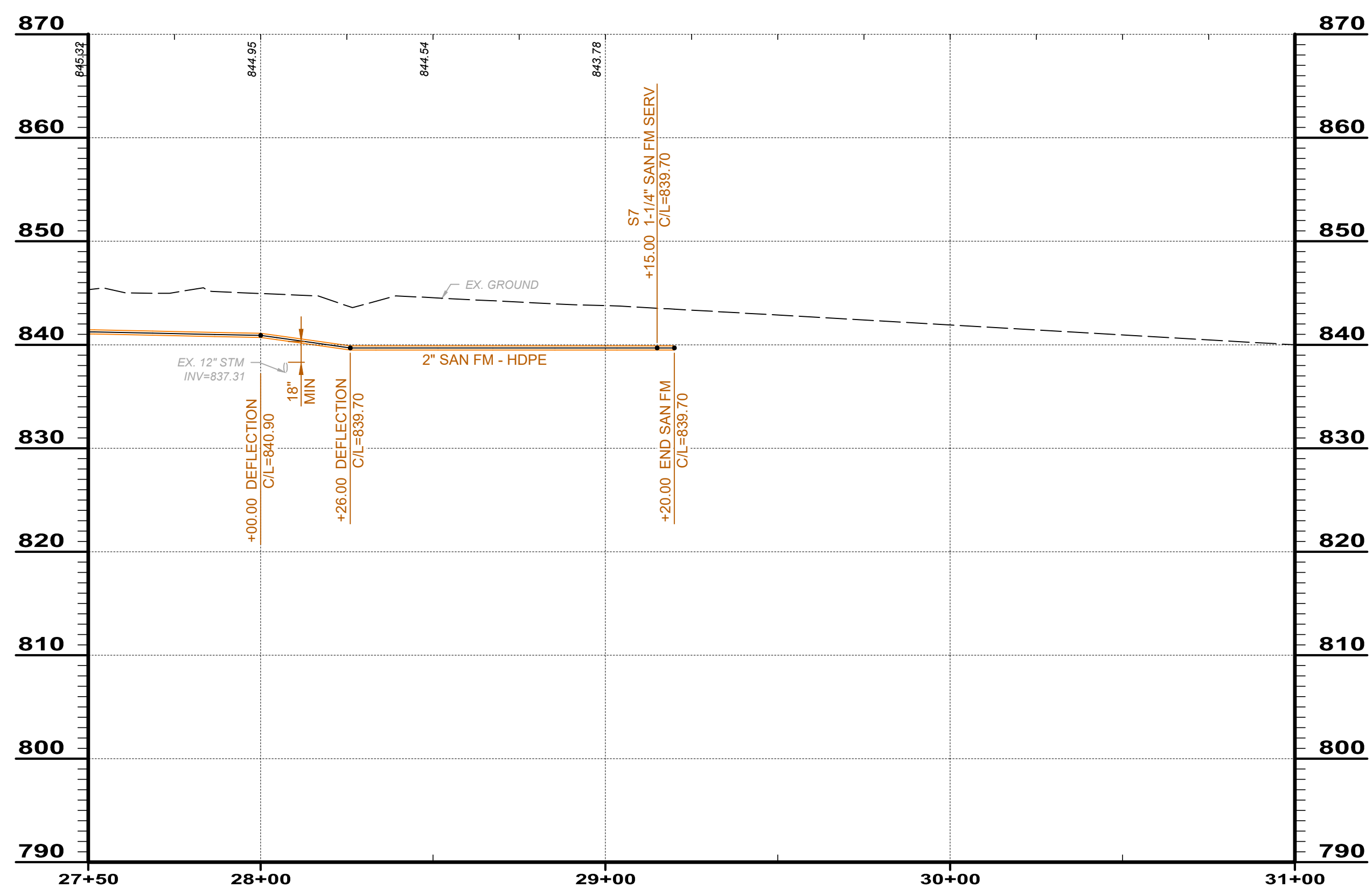
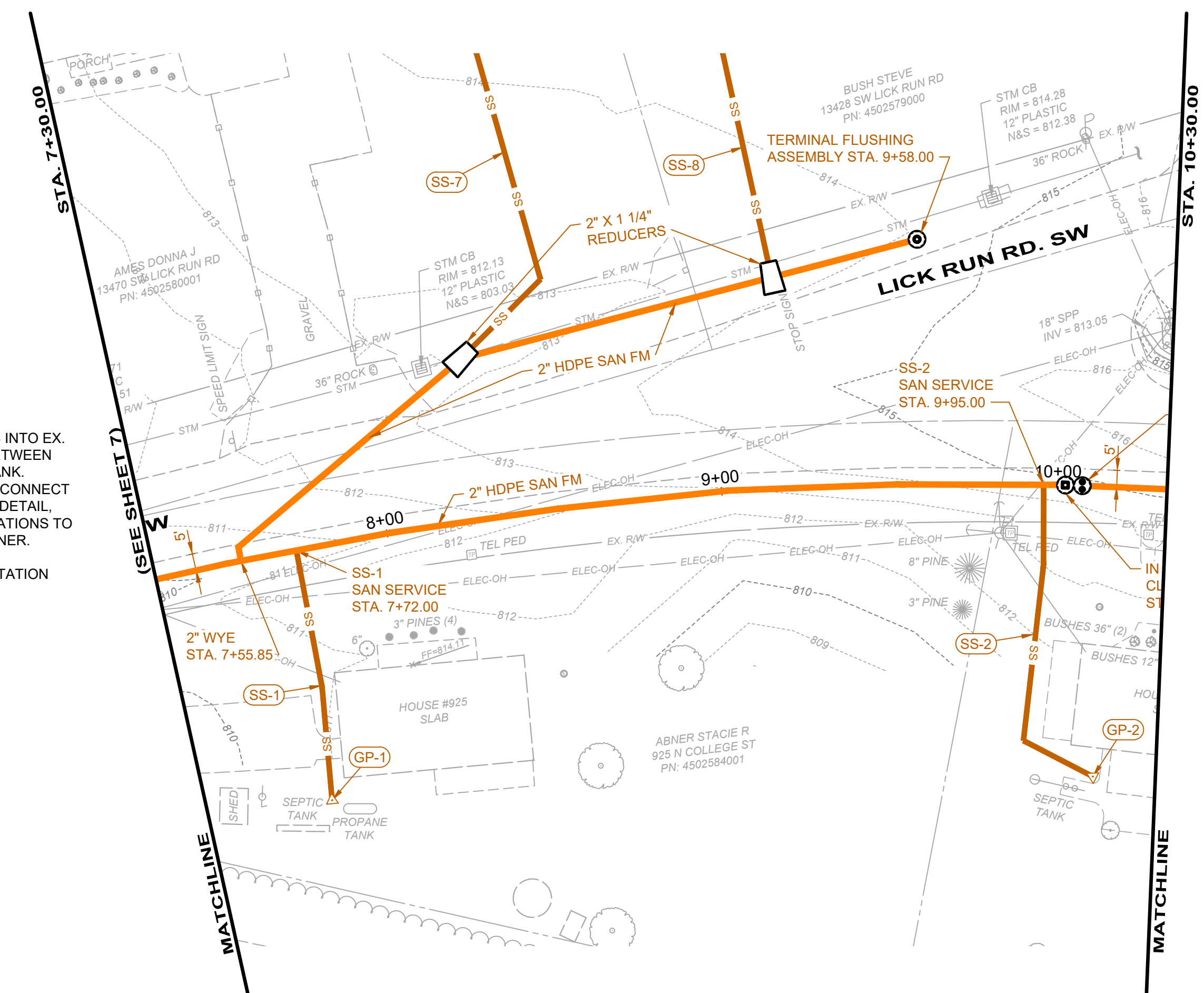
SANITARY PLAN & PROFILES
 STA. 20+50.00 TO STA. 27+50.00

PROJECT NO.	220865
DISCIPLINE	CIVIL
SHEET NAME	SAN-P&P4
SHEET	9
OF	10



LEGEND:

- (SS-X) CONNECT GRINDER LS INTO EX. SANITARY LATERAL BETWEEN HOUSE AND SEPTIC TANK. EXTEND 1-1/4" FM AND CONNECT INTO 2" HDPE FM (SEE DETAIL, SHEET 4). EXACT LOCATIONS TO BE VERIFIED WITH OWNER.
- (GP-X) GRINDER PUMP LIFT STATION



your trusted advisor
engineers
architects
planners
consultants

NO	REVISION	DATE

ISSUED FOR:	PRELIMINARY
ISSUE DATE:	9/9/2024
SCALE:	AS SHOWN
DESIGNED BY:	BKU
DRAWN BY:	BKU
CHECKED BY:	RLM

**COLLEGE STREET
SANITARY SEWER EXTENSION
VILLAGE OF NEWCOMERTOWN, TUSCARAWAS COUNTY, OHIO**

**SANITARY PLAN & PROFILES
STA. 27+50.00 TO STA. 29+20.00**

PROJECT NO.	220865
DISCIPLINE	CIVIL
SHEET NAME	SAN-P&P5
SHEET	10
OF	10