

CITY OF LYNCHBURG



WASTEWATER TREATMENT PLANT SLUDGE DEWATERING BUILDING FLOOR DRAIN REPLACEMENT LYNCHBURG, VIRGINIA

BID DOCUMENTS

LIST OF DRAWINGS:

SHEET NO.	SHEET TITLE
G-001	COVER SHEET
C-101	TRENCH DRAIN MODIFICATIONS

GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF LYNCHBURG MANUAL OF SPECIFICATIONS AND STANDARD DETAILS, LATEST EDITION.
- WORK NOT COVERED BY THE CITY'S STANDARD DRAWINGS AND SPECIFICATIONS SHALL CONFORM TO THE LATEST EDITION OF VIRGINIA DEPARTMENT OF TRANSPORTATION'S ROAD AND BRIDGE SPECIFICATIONS AND ROAD AND BRIDGE STANDARDS.
- EXISTING PIPING AND FEATURES SHOWN ON DRAWING ARE TAKEN FROM RECORD DRAWINGS AND BY FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY PIPE SIZES, LOCATIONS, ELEVATIONS AND MATERIALS BEFORE COMMENCING WORK.
- ALL UNDERGROUND PIPING SHALL BE PVC SDR-26 WITH PUSH-ON JOINT FITTINGS.
- FOR BELOW GRADE DRAIN PIPE, SAW CUT EXISTING CONCRETE AND EXCAVATE AS REQUIRED TO FACILITATE PIPE INSTALLATION. ONLY GRANULAR FILL SHALL BE USED FOR PIPE BEDDING BACK FILL, DO NOT USE SOIL. REFER TO CONCRETE REPLACEMENT DETAIL FOR 5,000 PSI CONCRETE REPAIR.
- CONTRACTOR SHALL COORDINATE WITH PLANT SUPERINTENDENT WITH PURCHASE OF TRAFFIC RATED STEEL PLATES FOR TRENCHES.
- CONTRACTOR SHALL COORDINATE WITH PLANT SUPERINTENDENT FOR MISCELLANEOUS CONCRETE REPAIR WORK IN VICINITY OF PROJECT AREA.

SEQUENCE OF CONSTRUCTION:

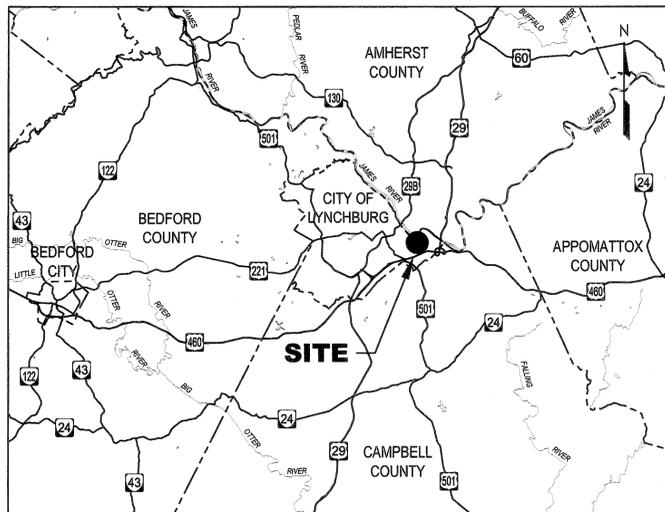
GENERAL

- BAY #5 AND #6 ARE AVAILABLE TO BE USED BY CONTRACTOR FOR MATERIALS AND EQUIPMENT STORAGE DURING PROJECT.
- DURING THE CONTRACTOR'S WORK DAY THERE SHALL BE 2 BAYS AVAILABLE FOR TRAILERS TO LOAD. THE BAYS SHALL BE ACCESSIBLE TO MOVE TRUCKS AND TRAILERS AND RECEIVE CHEMICALS ETC. WITHOUT UNDO BURDEN.
- AT THE END OF EACH WORK DAY THE CONTRACTOR SHALL CLEAR WORKING AREAS AND STORE ALL MATERIALS AND EQUIPMENT IN BAYS #5 AND #6 AND/OR AWAY FROM THE WORK AREA IN PLACES AGREED WITH BY PLANT SUPERINTENDENT (ALVIN RUCKER) OR HIS DESIGNEE.
- SHUT DOWNS OF THE DEWATERING PROCESS SHALL NOT EXCEED 36 HOURS. SCHEDULING SHUT DOWNS A MINIMUM 7 DAYS IN ADVANCE WITH THE PLANT SUPERINTENDENT.
- AFTER SHUT DOWN OF THE DEWATERING PROCESS THE PLANT REQUIRES 48 HOURS OF CONTINUOUS OPERATION TO BRING SLUDGE LEVELS BACK TO NORMAL LEVELS BEFORE ANOTHER SHUT DOWN MAY BE SCHEDULED.
- WHEN THE TRENCH AT THE NORTH SIDE OF THE DEWATERING BUILDING IS OPEN THE CONTRACTOR SHALL PROVIDE CONTINUOUS ACCESS SO THAT FORKLIFTS AND FOOT TRAFFIC CAN ACCESS THE POLY ROOM AT ANYTIME WITHOUT THE AID OF THE CONTRACTOR.
- ONCE THE FLOOR DRAINS ARE TAKEN OUT OF SERVICE THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING PUMPS AND/OR DIRECT FLOWS TO THE NEW DRAIN LINE TO KEEP TRENCH EMPTY AND WORKABLE. PUMPS SHALL DISCHARGE ONLY TO DRAINS DESIGNATED BY THE PLANT SUPERINTENDENT.

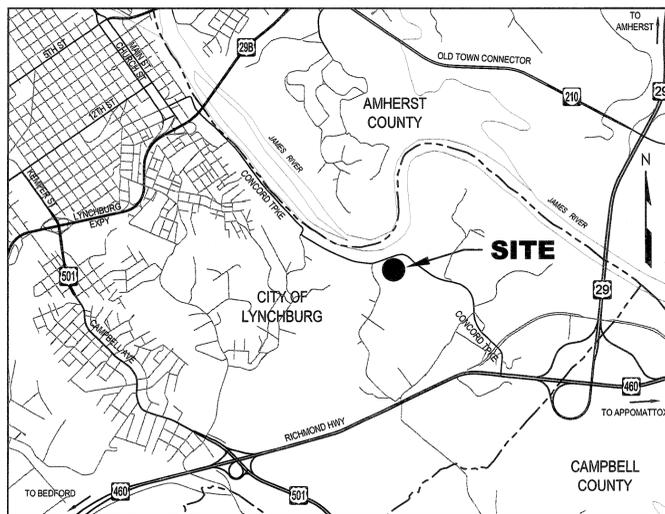
PHASES

THE FOLLOWING PHASES ARE INTENDED TO BE COMPLETED SEQUENTIALLY WITH ALL WORK ASSOCIATED WITH PRECEDENT PHASE(S) COMPLETED AND TESTED PRIOR TO BEGINNING WORK ON SUBSEQUENT PHASE(S).

- PHASE I: BAY #1 SHALL BE TAKEN OUT OF SERVICE AND TRENCHING TAKE PLACE FROM EXISTING MANHOLE TO FACE OF FOUNDATION NORTH OF THE DEWATERING BUILDING AND TO DRAIN #1 WITH TIE-IN CONNECTION TO DRAIN #1 COMPLETED. BAY #1 SHALL BE OUT OF SERVICE UNTIL THE CONCRETE IS POURED AND TRAFFIC RATED STEEL PLATING IN PLACE. THERE IS THE OPTION TO TAKE BAY #2 OUT OF SERVICE DURING THE CONTRACTOR'S WORK DAY. THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT, TOOLS, AND MATERIALS FROM BAY #2 AT THE CONCLUSION OF EACH WORK DAY SO BAY #2 CAN BE RETURNED TO NIGHT AND WEEKEND LOADING OPERATIONS.
- PHASE II: AFTER WORK IS COMPLETED IN BAY #1 AND BAY #1 HAS BEEN RETURNED TO SERVICE CONNECTION TO DRAINS #1 & #2 SHALL BE PERFORMED INCLUDING GROUTING OF TRENCHES UP TO THE MID-WAY POINT BETWEEN BAYS #3 & #4. BAYS #1 & #4 SHALL BE AVAILABLE FOR SERVICE AT ALL TIMES; BAYS #2 & #3 SHALL BE AVAILABLE FOR USE AT THE END OF THE CONTRACTOR'S WORK DAY UNLESS ARRANGEMENTS ARE MADE WITH THE PLANT SUPERINTENDENT. A SHUTDOWN IS ANTICIPATED TO ALLOW FOR TRENCH GROUT TO CURE.
- PHASE III: WORK FROM THE MID-WAY POINT BETWEEN BAYS #3 & #4 TO BAY #6 SHALL BE PERFORMED INCLUDING GROUTING OF TRENCHES. BAY #4 SHALL BE TAKEN OUT OF SERVICE DURING THE CONTRACTOR'S WORK DAY WHILE BAYS #1, #2, AND #3 REMAIN IN SERVICE AT ALL TIMES.



VICINITY MAP
NOT TO SCALE



SITE MAP
SCALE: 1" = 3,000'

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SLUDGE STABILIZATION BUILDING
FLOOR DRAIN REPLACEMENT
LYNCHBURG, VIRGINIA

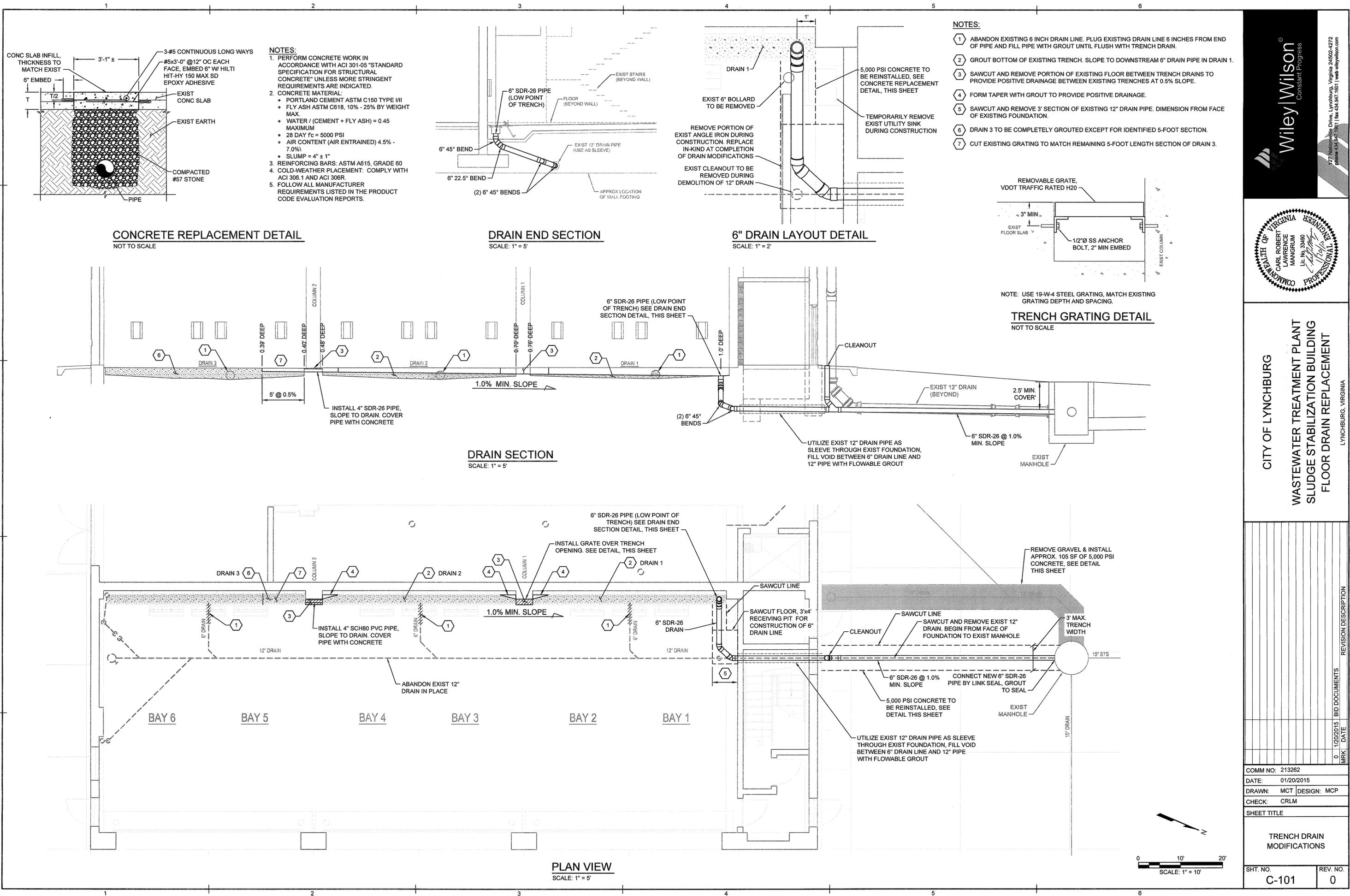


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NO.	DATE	REVISION DESCRIPTION
0	1/20/2015	BID DOCUMENTS

COMM NO:	213262
DATE:	01/20/2015
DRAWN:	MCT
DESIGN:	MCP
CHECK:	CRLM
SHEET TITLE:	
COVER SHEET	
SHT. NO.	REV. NO.
G-001	0

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WASTEWATER TREATMENT PLANT
SLUDGE STABILIZATION BUILDING
FLOOR DRAIN REPLACEMENT
LYNCHBURG, VIRGINIA

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SHEET TITLE
TRENCH DRAIN MODIFICATIONS
SHT. NO. **C-101** REV. NO. **0**

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