

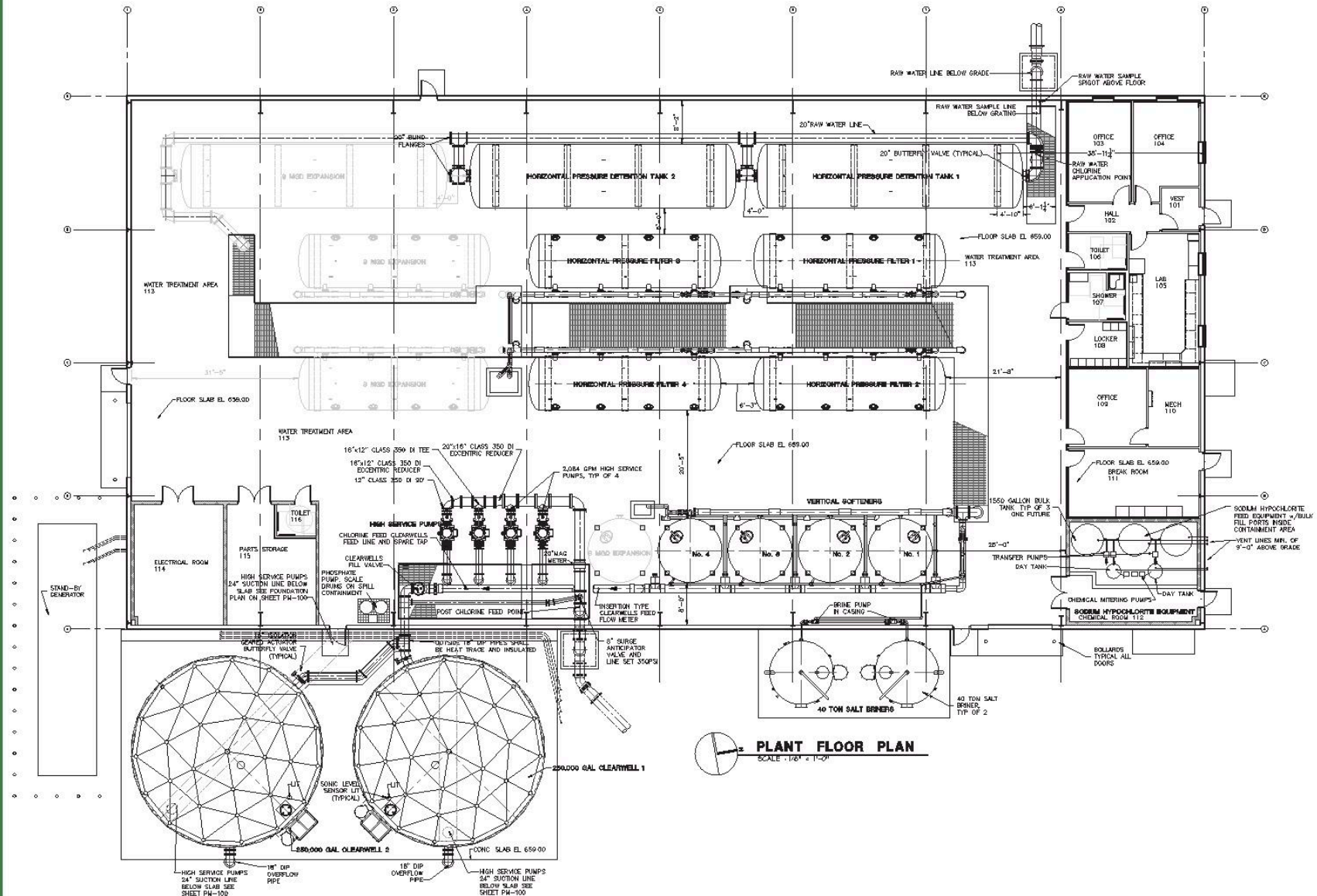
# USDA Water Projects

# New Water Treatment Plant (6MGD)

Construction Cost = \$27,668,200.00

Percentage Completed = 15%

## Belmont County Water Treatment Plant













# Little McMahon Road Pump Station

Construction Cost = \$1,256,552.00

Percentage Completed = 15%









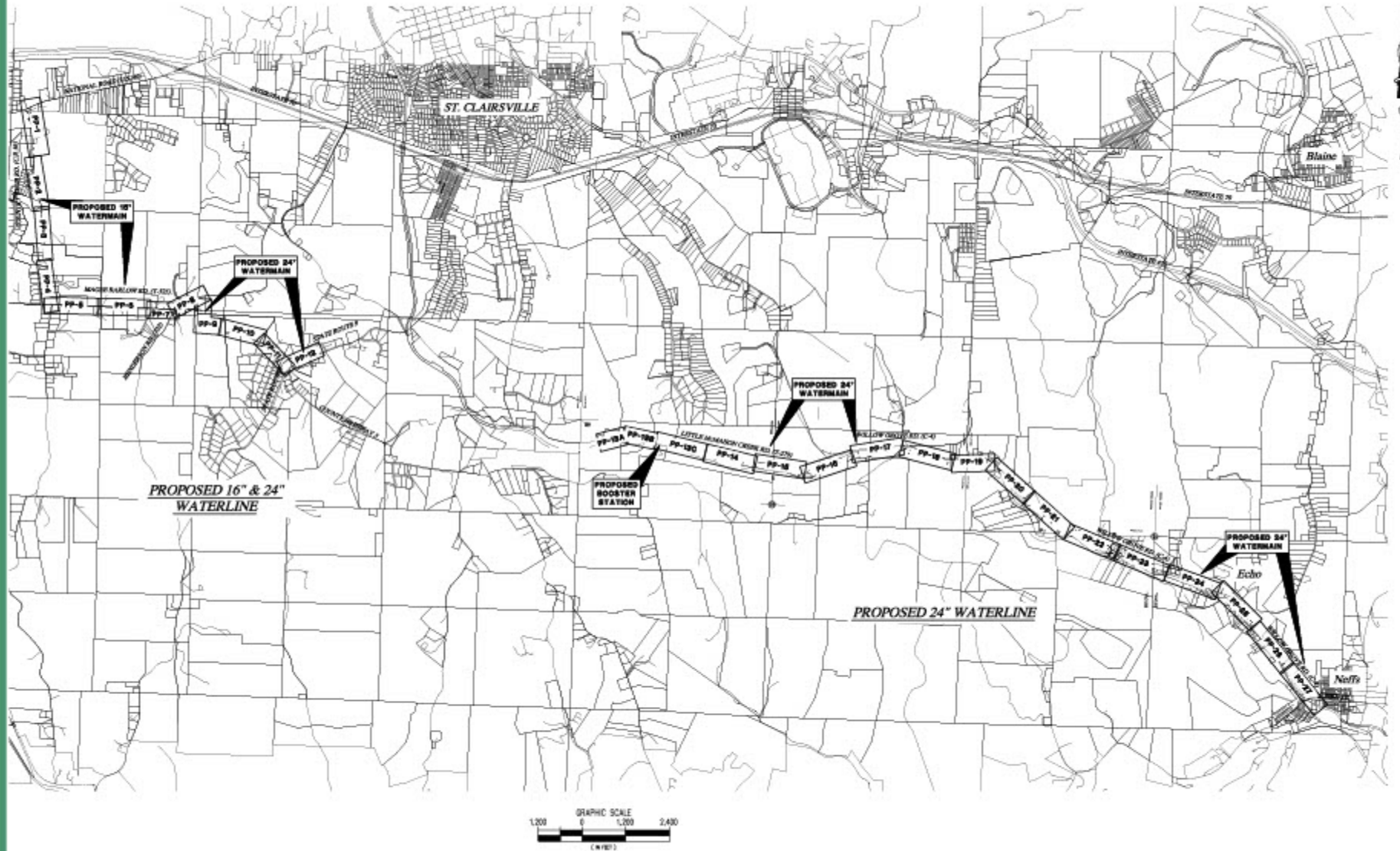
## Waterline Phase I

Approximately 3 miles of 24" & 16" new waterline

Construction Cost = \$3,093,950.00

Percentage Completed = 55%

# Watermain Replacement

















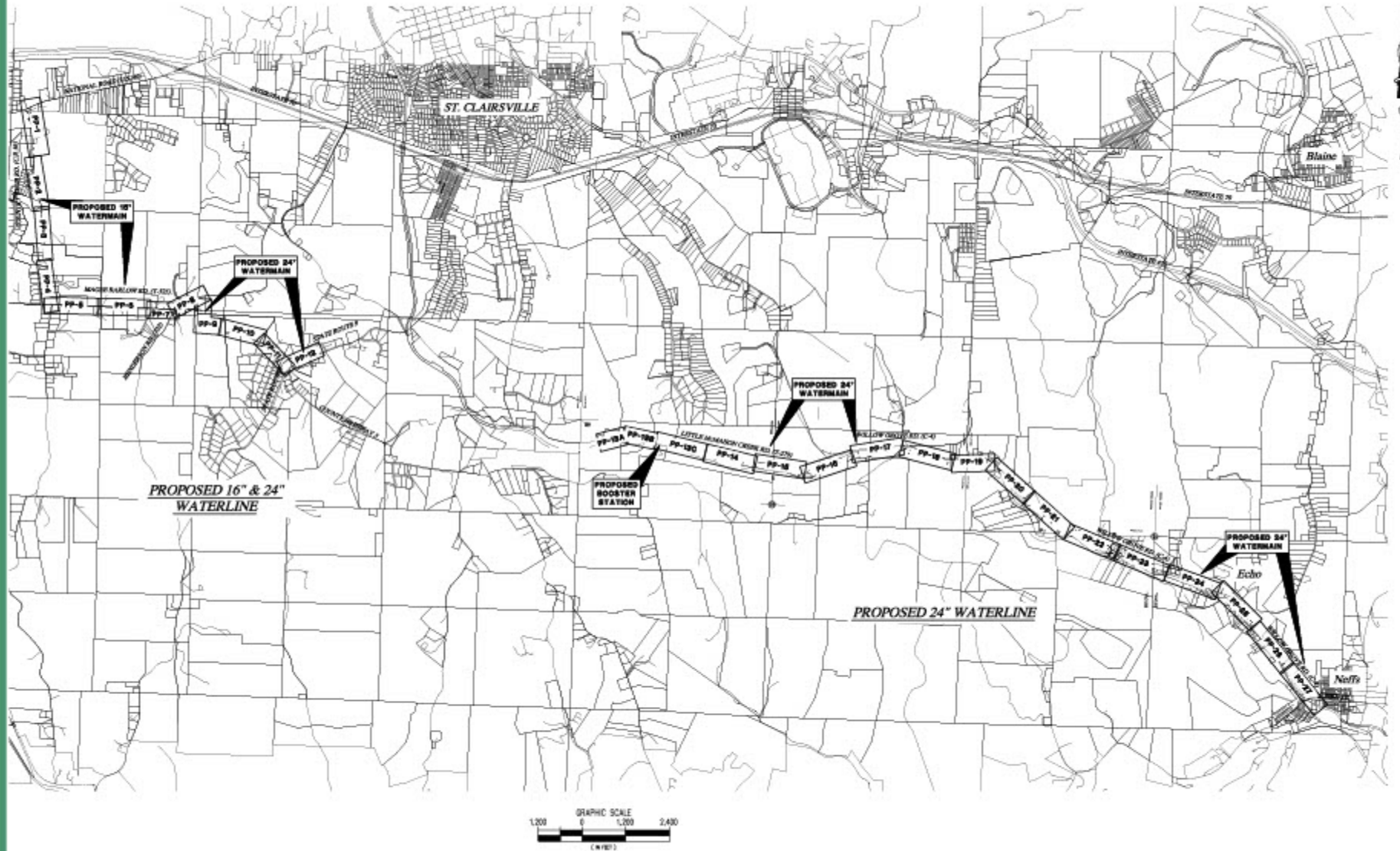
## Waterline Phase II

Approximately 4.4 miles of 24" waterline replacement

Construction Cost = \$6,650,000.00

Percentage Completed = 45%

# Watermain Replacement













# Meter Reading System

Construction Cost = \$2,282,959.89

Percentage Completed = 5%









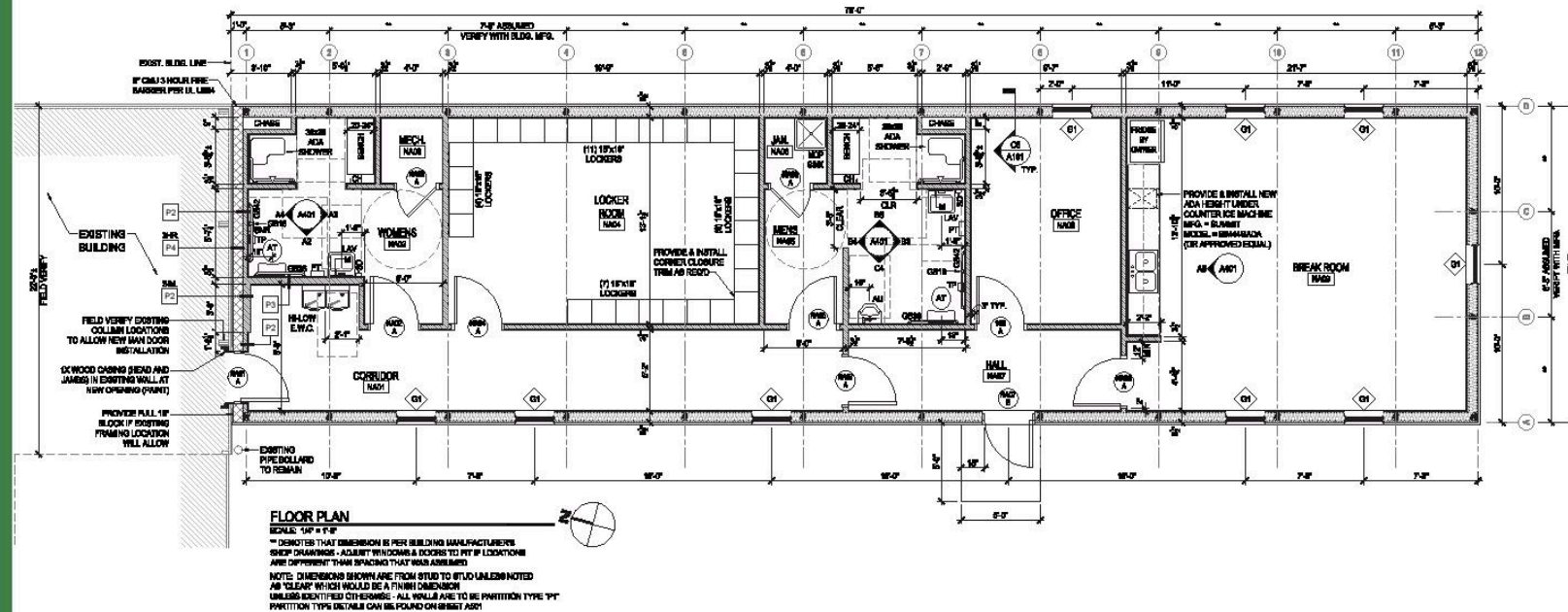
## Service Building Addition

1,580 square foot Addition (Locker room, office & break room)

Construction Cost = \$524,000.00

Percentage Completed = 0%

# Belmont County Service Building Addition Floor Plan









# USDA Sanitary Sewer Projects



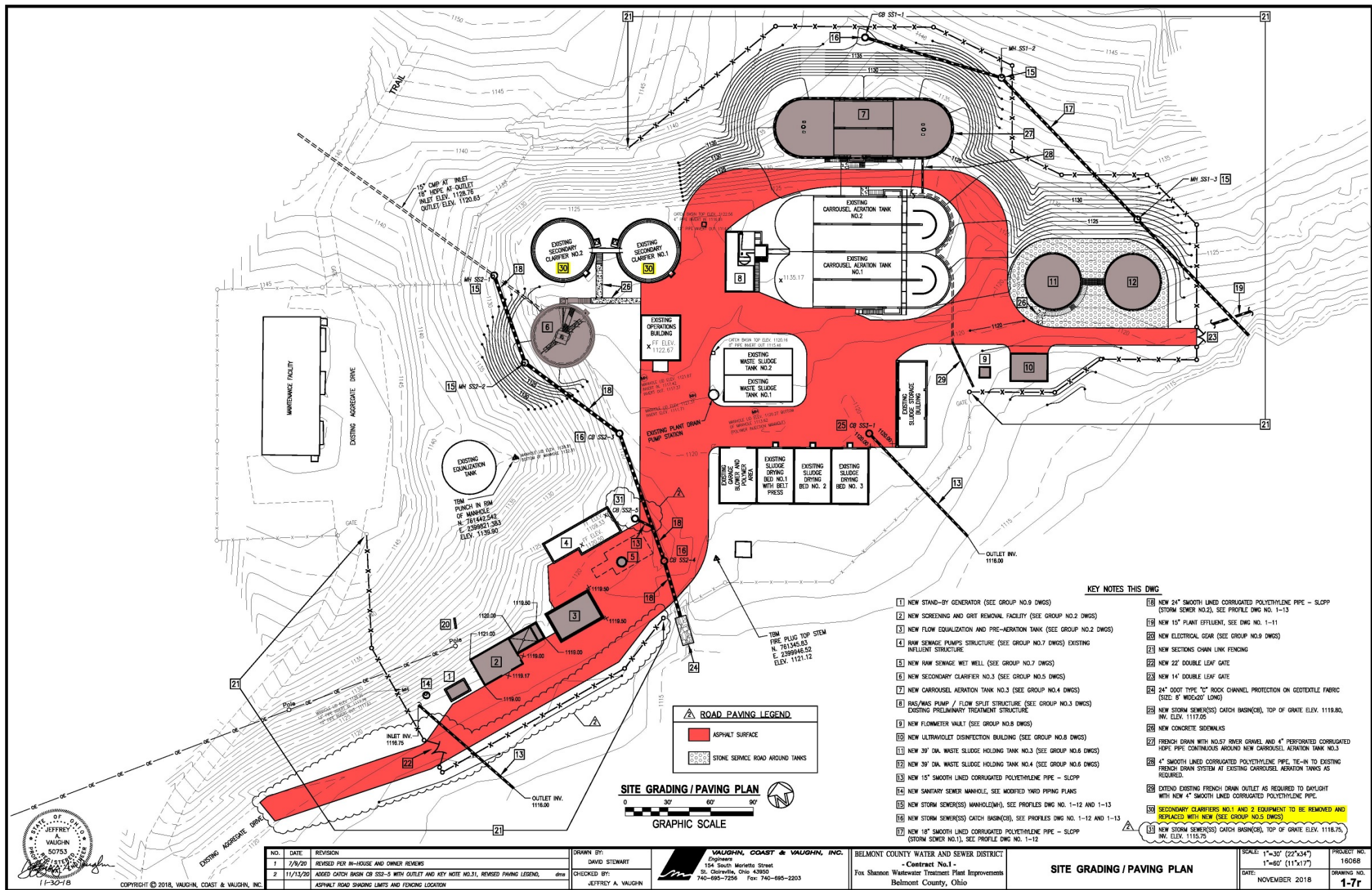
# Fox-Shannon Wastewater Plant Upgrades

Construction Cost = \$8,158,622.00

Percentage Completed = 0% (construction to begin May 24<sup>th</sup>)



\\vaughn\projects\61023\61023.dwg - Fox Shannon Wastewater Treatment Plant Improvements - Design\Drawings\11-30-18\11-30-18\11-30-18.dwg - AutoCAD 2018 - Jeffrey A. Vaughn, Inc.



COPYRIGHT © 2018, VAUGHN, COAST & VAUGHN, INC.

NO.	DATE	REVISION
1	7/9/20	REVISED PER IN-HOUSE AND OWNER REVIEWS
2	11/13/20	ADDED CATCH BASIN CR SS2-5 WITH OUTLET AND KEY NOTE NO.31, REVISED PAVING LEGEND, and ASPHALT ROAD SHADING LIMITS AND FENCING LOCATION

DRAWN BY:  
DAVID STEWART

CHECKED BY:  
JEFFREY A. VAUGHN

**VAUGHN, COAST & VAUGHN, INC.**  
Engineers  
124 South Marietta Street  
St. Clairsville, Ohio 43085  
740-695-7256 Fax: 740-695-2203

BELMONT COUNTY WATER AND SEWER DISTRICT  
- Contract No. 1 -  
Fox Shannon Wastewater Treatment Plant Improvements  
Belmont County, Ohio

### SITE GRADING / PAVING PLAN

SCALE: 1"=30' (22"x34")  
1"=60' (11"x17")

DATE: NOVEMBER 2018

PROJECT NO.: 16068

DRAWING NO.: 11-30-18



# Wastewater Transmission System Upgrade

Construction Cost = \$549,980.00

Percentage Completed = 70%



# UTILITY NOTE

BEFORE STARTING STAKEOUT AND/OR EXCAVATION, IT IS CONTRACTOR'S RESPONSIBILITY TO ESTABLISH THE LOCATION AND EXTENT OF UNDERGROUND UTILITIES, STORM SEWERS, AND SERVICE LINES OCCURRING IN THE WORK AREA. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN. HOWEVER, CONTRACTOR IS NOT RELIEVED OF THE RESPONSIBILITY TO INVESTIGATE AND LOCATE ALL UTILITIES IN THE WORK AREA. NO ADDITIONAL COMPENSATION, OVER THE PRICE BID FOR THE WORK, WILL BE MADE FOR LOCATING UTILITIES IN THE WORK AREA. CONTRACTOR SHALL MAKE ADEQUATE ALLOWANCES IN BID PRICES FOR LOCATING AND PROTECTING UTILITIES. COSTS ASSOCIATED WITH REPAIRS TO UTILITIES DAMAGED BY CONSTRUCTION ARE CONTRACTOR'S RESPONSIBILITY.

UNDERGROUND UTILITIES  
TWO WORKING DAYS  
BEFORE YOU DIG  
Call 800-362-2764 (Toll Free)  
OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS  
MUST BE CALLED DIRECTLY

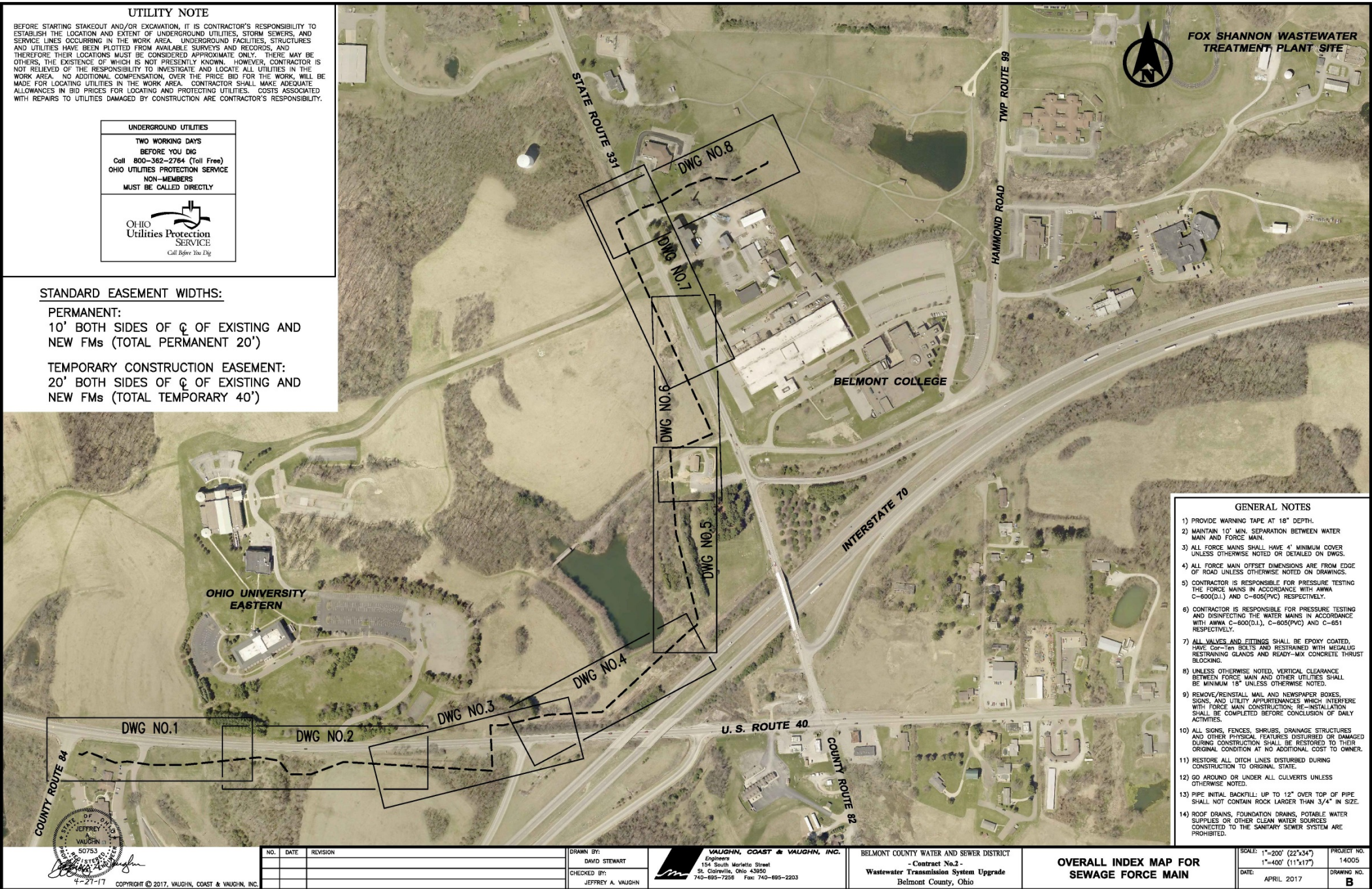


## STANDARD EASEMENT WIDTHS:

PERMANENT:  
10' BOTH SIDES OF C OF EXISTING AND  
NEW FMS (TOTAL PERMANENT 20')

TEMPORARY CONSTRUCTION EASEMENT:  
20' BOTH SIDES OF C OF EXISTING AND  
NEW FMS (TOTAL TEMPORARY 40')

## FOX SHANNON WASTEWATER TREATMENT PLANT SITE



## GENERAL NOTES

- 1) PROVIDE WARNING TAPE AT 18" DEPTH.
- 2) MAINTAIN 10' MIN. SEPARATION BETWEEN WATER MAIN AND FORCE MAIN.
- 3) ALL FORCE MAINS SHALL HAVE 4" MINIMUM COVER UNLESS OTHERWISE NOTED OR DETAILED ON DWGS.
- 4) ALL FORCE MAIN OFFSET DIMENSIONS ARE FROM EDGE OF ROAD UNLESS OTHERWISE NOTED ON DRAWINGS.
- 5) CONTRACTOR IS RESPONSIBLE FOR PRESSURE TESTING THE FORCE MAINS IN ACCORDANCE WITH AWWA C-600(D.I.) AND C-605(PVC) RESPECTIVELY.
- 6) CONTRACTOR IS RESPONSIBLE FOR PRESSURE TESTING AND DISINFECTING THE WATER MAINS IN ACCORDANCE WITH AWWA C-600(D.I.), C-605(PVC) AND C-651 RESPECTIVELY.
- 7) ALL VALVES AND FITTINGS SHALL BE EPOXY COATED, HAVE COP-100 BOLTS AND RESTRAINED WITH METALLIC RESTRAINING GLANDS AND READY-MIX CONCRETE THRUST BLOCKING.
- 8) UNLESS OTHERWISE NOTED, VERTICAL CLEARANCE BETWEEN FORCE MAIN AND OTHER UTILITIES SHALL BE MINIMUM 18" UNLESS OTHERWISE NOTED.
- 9) REMOVE/REINSTALL MAIL AND NEWSPAPER BOXES, SIGNS, AND UTILITY APPURTENANCES WHICH INTERFERE WITH FORCE MAIN CONSTRUCTION. RE-INSTALLATION SHALL BE COMPLETED BEFORE CONCLUSION OF DAILY ACTIVITIES.
- 10) ALL SIGNS, FENCES, SHRUBS, DRAINAGE STRUCTURES AND OTHER PHYSICAL FEATURES DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO OWNER.
- 11) RESTORE ALL DITCH LINES DISTURBED DURING CONSTRUCTION TO ORIGINAL STATE.
- 12) GO AROUND OR UNDER ALL CULVERTS UNLESS OTHERWISE NOTED.
- 13) PIPE INITIAL BACKFILL: UP TO 12" OVER TOP OF PIPE SHALL NOT CONTAIN ROCK LARGER THAN 3/4" IN SIZE.
- 14) ROOF DRAINS, FOUNDATION DRAINS, POTABLE WATER SUPPLIES OR OTHER CLEAN WATER SOURCES CONNECTED TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.



COPYRIGHT © 2017, VAUGHN, COAST & VAUGHN, INC.

NO.	DATE	REVISION

DRAWN BY:  
DAVID STEWART  
CHECKED BY:  
JEFFREY A. VAUGHN

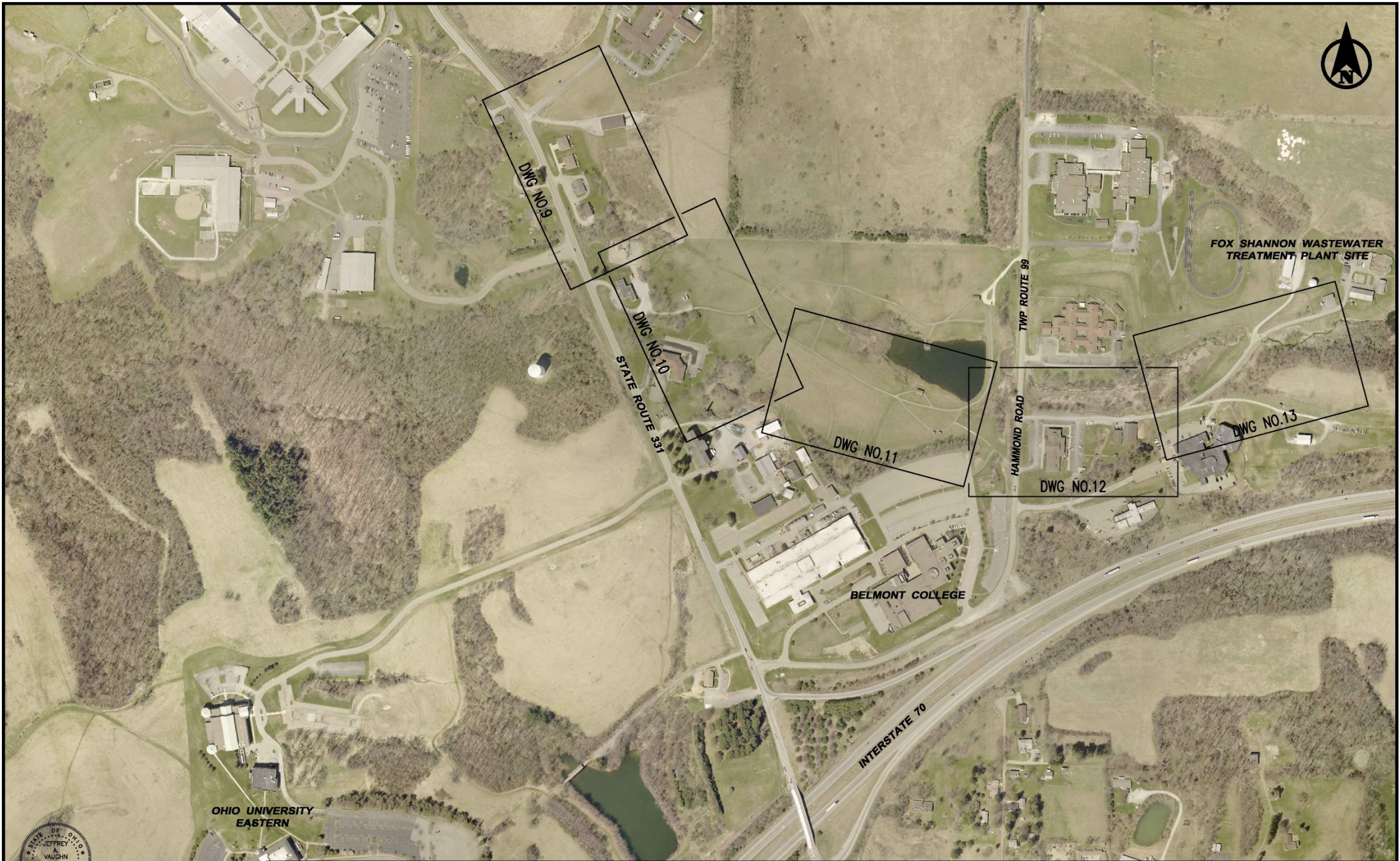
VAUGHN, COAST & VAUGHN, INC.  
Engineers  
124 South Marietta Street  
St. Clairsville, Ohio 43085  
740-695-7258 Fax: 740-695-2203

BELMONT COUNTY WATER AND SEWER DISTRICT  
- Contract No. 2 -  
Wastewater Transmission System Upgrade  
Belmont County, Ohio

## OVERALL INDEX MAP FOR SEWAGE FORCE MAIN

SCALE: 1"=200' (22"x34") 1"=400' (11"x17")	PROJECT NO. 14005
DATE: APRIL, 2017	DRAWING NO. B






COPYRIGHT © 2017, VAUGHN, COAST & VAUGHN, INC.

NO.	DATE	REVISION

DRAWN BY:  
DAVID STEWART  
CHECKED BY:  
JEFFREY A. VAUGHN



**VAUGHN, COAST & VAUGHN, INC.**  
Engineers  
124 South Marietta Street  
St. Clairsville, Ohio 43085  
740-695-7256 Fax: 740-695-2203

BELMONT COUNTY WATER AND SEWER DISTRICT  
- Contract No.2 -  
Wastewater Transmission System Upgrade  
Belmont County, Ohio

**OVERALL INDEX MAP FOR  
MANHOLE REHABILITATION PLANS**

SCALE: 1"=200' (22"x34") 1"=400' (11"x17")	PROJECT NO. 14005
DATE: APRIL, 2017	DRAWING NO. <b>C</b>











# Summer Hill Lift Station

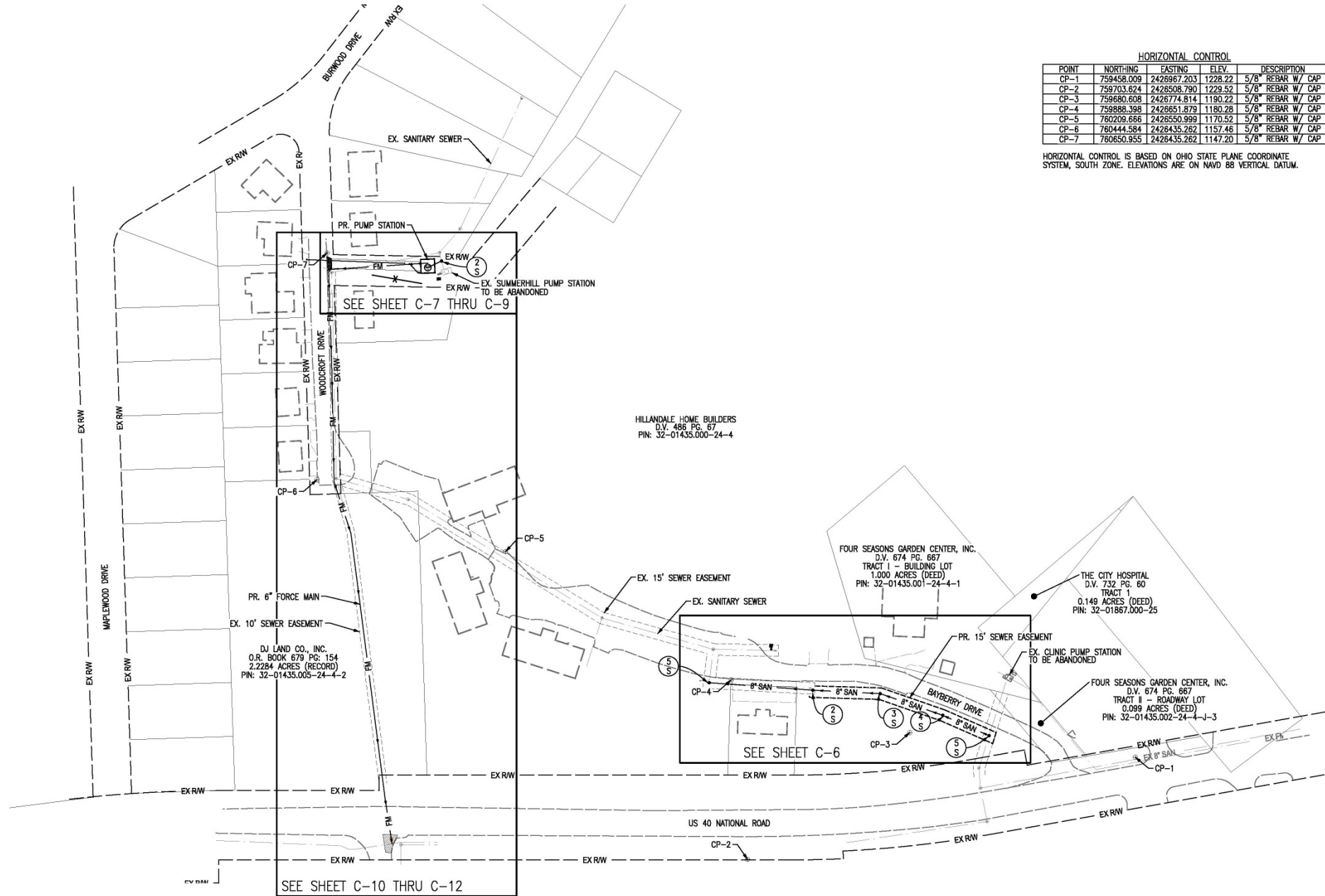
Construction Cost = \$649,836.00

Percentage Completed = 0% (Mid-June start date)



PRINTED 5/19/2021 9:26:58 AM P:\A\DR\2018\290403 Belmont Co - Summerhill Pump Station Improvements.dgn Construction Plans\C-02 Schematic Plan.dgn

# SCHEMATIC PLAN



HORIZONTAL CONTROL				
POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
CP-1	759458.009	2426967.203	1228.22	5/8\" REBAR W/ CAP
CP-2	759703.624	2426508.790	1229.52	5/8\" REBAR W/ CAP
CP-3	759680.608	2426774.814	1190.22	5/8\" REBAR W/ CAP
CP-4	759888.398	2426651.879	1180.28	5/8\" REBAR W/ CAP
CP-5	760209.666	2426550.999	1170.52	5/8\" REBAR W/ CAP
CP-6	760444.584	2428435.262	1157.46	5/8\" REBAR W/ CAP
CP-7	760650.955	2428435.262	1147.20	5/8\" REBAR W/ CAP

HORIZONTAL CONTROL IS BASED ON OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE. ELEVATIONS ARE ON NAVD 88 VERTICAL DATUM.

ADRS

AMERICAN DESIGN & RECORD SERVICES, INC.

181 West Chagrin Street, Naperville, IL 60563-1700 (630) 340-1541

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

SCHEMATIC PLAN

BELMONT COUNTY SEWER DISTRICT  
SUMMERHILL PUMP STATION REPLACEMENT

MAY 18, 2021  
JOB #290403

C-2

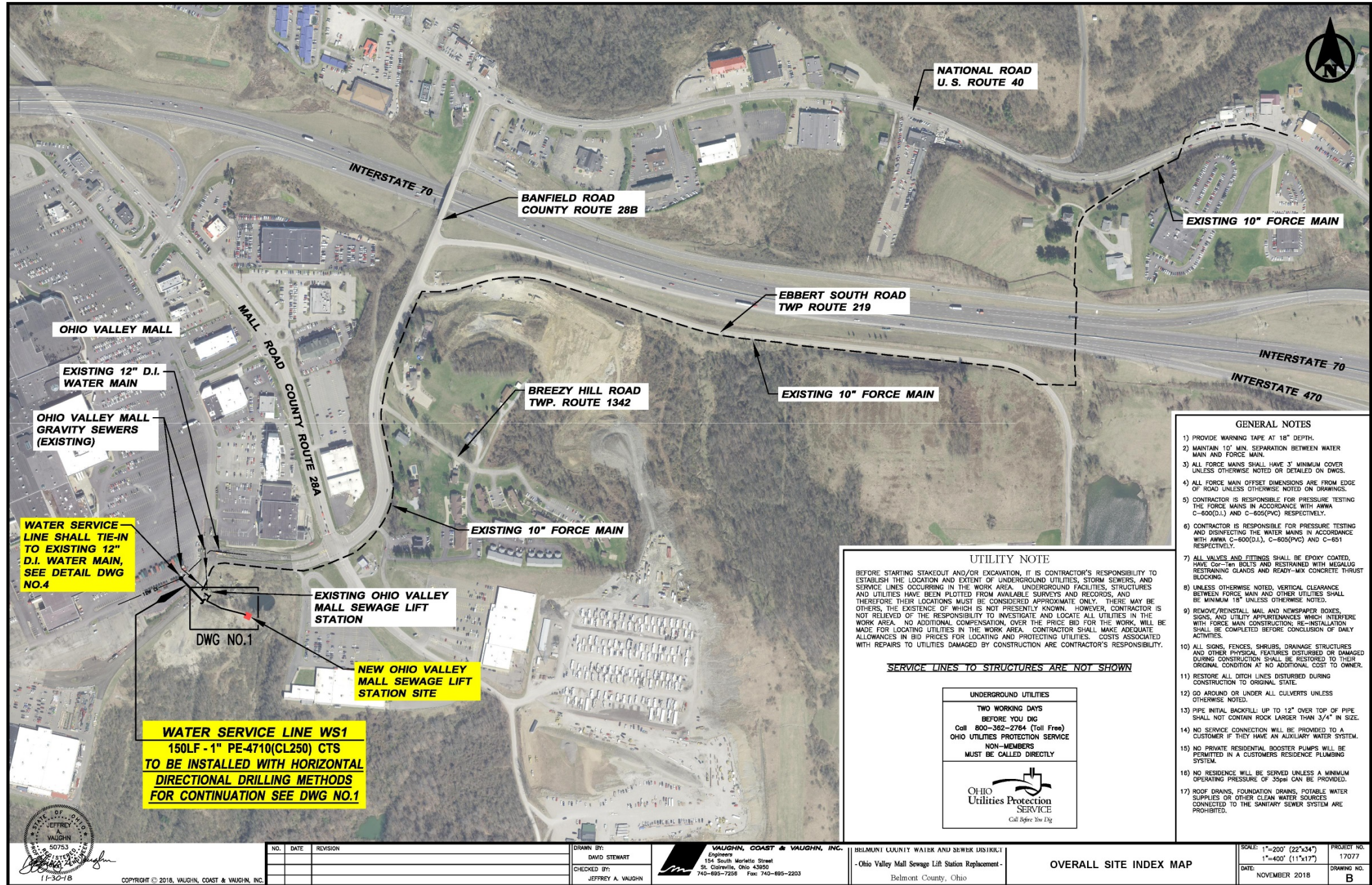


# Ohio Valley Mall Lift Station

Construction Cost = \$729,181.05

Percentage Completed = 0% (Mid-June start date)





GENERAL NOTES

- 1) PROVIDE WARNING TAPE AT 18" DEPTH.
- 2) MAINTAIN 10' MIN. SEPARATION BETWEEN WATER MAIN AND FORCE MAIN.
- 3) ALL FORCE MAINS SHALL HAVE 3' MINIMUM COVER UNLESS OTHERWISE NOTED OR DETAILED ON DWGS.
- 4) ALL FORCE MAIN OFFSET DIMENSIONS ARE FROM EDGE OF ROAD UNLESS OTHERWISE NOTED ON DRAWINGS.
- 5) CONTRACTOR IS RESPONSIBLE FOR PRESSURE TESTING THE FORCE MAINS IN ACCORDANCE WITH AWWA C-600(D.I.) AND C-605(PVC) RESPECTIVELY.
- 6) CONTRACTOR IS RESPONSIBLE FOR PRESSURE TESTING AND DISINFECTING THE WATER MAINS IN ACCORDANCE WITH AWWA C-600(D.I.), C-605(PVC) AND C-851 RESPECTIVELY.
- 7) ALL VALVES AND FITTINGS SHALL BE EPOXY COATED, HAVE COR-TEN BOLTS AND RESTRAINED WITH MEGALUG RESTRAINING GLANDS AND READY-MIX CONCRETE THRUST BLOCKING.
- 8) UNLESS OTHERWISE NOTED, VERTICAL CLEARANCE BETWEEN FORCE MAIN AND OTHER UTILITIES SHALL BE MINIMUM 18" UNLESS OTHERWISE NOTED.
- 9) REMOVE/REINSTALL MAIL AND NEWSPAPER BOXES, SIGNS, AND UTILITY APPURTENANCES WHICH INTERFERE WITH FORCE MAIN CONSTRUCTION; RE-INSTALLATION SHALL BE COMPLETED BEFORE CONCLUSION OF DAILY ACTIVITIES.
- 10) ALL SIGNS, FENCES, SHRUBS, DRAINAGE STRUCTURES AND OTHER PHYSICAL FEATURES DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO OWNER.
- 11) RESTORE ALL DITCH LINES DISTURBED DURING CONSTRUCTION TO ORIGINAL STATE.
- 12) GO AROUND OR UNDER ALL CULVERTS UNLESS OTHERWISE NOTED.
- 13) PIPE INITIAL BACKFILL: UP TO 12" OVER TOP OF PIPE SHALL NOT CONTAIN ROCK LARGER THAN 3/4" IN SIZE.
- 14) NO SERVICE CONNECTION WILL BE PROVIDED TO A CUSTOMER IF THEY HAVE AN AUXILIARY WATER SYSTEM.
- 15) NO PRIVATE RESIDENTIAL BOOSTER PUMPS WILL BE PERMITTED IN A CUSTOMERS RESIDENCE PLUMBING SYSTEM.
- 16) NO RESIDENCE WILL BE SERVED UNLESS A MINIMUM OPERATING PRESSURE OF 35psi CAN BE PROVIDED.
- 17) ROOF DRAINS, FOUNDATION DRAINS, POTABLE WATER SUPPLIES OR OTHER CLEAN WATER SOURCES CONNECTED TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

UTILITY NOTE

BEFORE STARTING STAKEOUT AND/OR EXCAVATION, IT IS CONTRACTOR'S RESPONSIBILITY TO ESTABLISH THE LOCATION AND EXTENT OF UNDERGROUND UTILITIES, STORM SEWERS, AND SERVICE LINES OCCURRING IN THE WORK AREA. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN. HOWEVER, CONTRACTOR IS NOT RELIEVED OF THE RESPONSIBILITY TO INVESTIGATE AND LOCATE ALL UTILITIES IN THE WORK AREA. NO ADDITIONAL COMPENSATION, OVER THE PRICE BID FOR THE WORK, WILL BE MADE FOR LOCATING UTILITIES IN THE WORK AREA. CONTRACTOR SHALL MAKE ADEQUATE ALLOWANCES IN BID PRICES FOR LOCATING AND PROTECTING UTILITIES. COSTS ASSOCIATED WITH REPAIRS TO UTILITIES DAMAGED BY CONSTRUCTION ARE CONTRACTOR'S RESPONSIBILITY.

SERVICE LINES TO STRUCTURES ARE NOT SHOWN

UNDERGROUND UTILITIES

TWO WORKING DAYS  
BEFORE YOU DIG  
Call 800-362-2764 (Toll Free)  
OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS  
MUST BE CALLED DIRECTLY

OHIO  
Utilities Protection  
SERVICE  
Call Before You Dig



COPYRIGHT © 2018, VAUGHN, COAST & VAUGHN, INC.

NO.	DATE	REVISION

DRAWN BY:  
DAVID STEWART  
CHECKED BY:  
JEFFREY A. VAUGHN

VAUGHN, COAST & VAUGHN, INC.  
Engineers  
104 South Marietta Street  
St. Clairsville, Ohio 43080  
740-695-7256 Fax: 740-695-2203

BELEHUNT COUNTY WATER AND SEWER DISTRICT  
- Ohio Valley Mall Sewage Lift Station Replacement -  
Belmont County, Ohio

OVERALL SITE INDEX MAP

SCALE: 1"=200' (22"x34") 1"=400' (11"x17")	PROJECT NO. 17077
DATE: NOVEMBER 2018	DRAWING NO. B



# Water District -10 Year Capital Improvement Plan

Approximately \$30,000,000

Additional 24" WL from New Plant to Old Plant Site

Replace 6" WL at Cumberland Run

Replace 24" WL Phase I

Replace 8" WL from Ebberts Pump Station to Berry Tank

Replace 12" WL from Old Plant to Ebberts Pump Station

Replace Darling Fire Hydrants

Replace "Old District #1" Water System from Brookside to Blaine

Increase Well Capacity (Vertical Well = 3MGD)

Increase Water Plant Capacity (from 6 to 9MGD)

Relocate Sand Hill Pump Station Pump Station & Connect to 24" WL

Replace 8" WL at Blaine Hill



# Sewer District -10 Year Capital Improvement Plan

Approximately \$8,000,000

Replace Zinni & Arco Lift Stations

Replace Montclair & Stop 32 Lift Stations

Replace SCADA System

Replace Pennwood Package Plant with a Lift Station

Pine Lake Area Collection System Improvement

Replace Blaine Hill Force Main

Replace Rustic Lift Station

Replace Boydsville & Stewarts Lift Stations

Replace Stop 51 Lift Station

Replace Days Inn, Stobbs Estates & Reicharts Lift Stations