

CITY OF CONNEAUT

BUFFALO STREET IMPROVEMENTS

ZONE 6 - PART A

OPWC FUNDED PROJECT NO. CG41AB

PARK & DAY STREET IMPROVEMENTS -

PART B

OPWC FUNDED PROJECT NO. CG20AA

ASHTABULA COUNTY, OHIO

DECEMBER, 2025



CONNEAUT CITY OFFICIALS

NICK SANFORD, CITY MANAGER
JOE DIBELL, PUBLIC WORKS DIRECTOR

CONNEAUT CITY COUNCIL MEMBERS

TERRY MOISIO, COUNCIL PRESIDENT
RICK GAUGH, 1ST WARD COUNCIL
CHRIS CASTRILLA, 2ND WARD COUNCIL
OAKY EMERY, 3RD WARD COUNCIL
NIC CHURCH, 4TH WARD COUNCIL
MARIANA BRANCH, COUNCIL-AT-LARGE
NICK PERKOSKI, COUNCIL-AT-LARGE
PAMELA O'CONNELL, COUNCIL CLERK

PROJECT CONTACTS

SITE ENGINEER
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904 SAHARA TRAIL, SUITE 2
YOUNGSTOWN, OHIO 44514
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PROJECT MANAGER
EMAIL: ckogelek@verdantas.com

PROPERTY OWNER
CITY OF CONNEAUT
294 MAIN STREET
CONNEAUT, OH 44030
PHONE: 440-593-7401
CONTACT: NICK SANFORD
CITY MANAGER
EMAIL: manager@conneautoh.org

BENCHMARK INFORMATION (PART A)

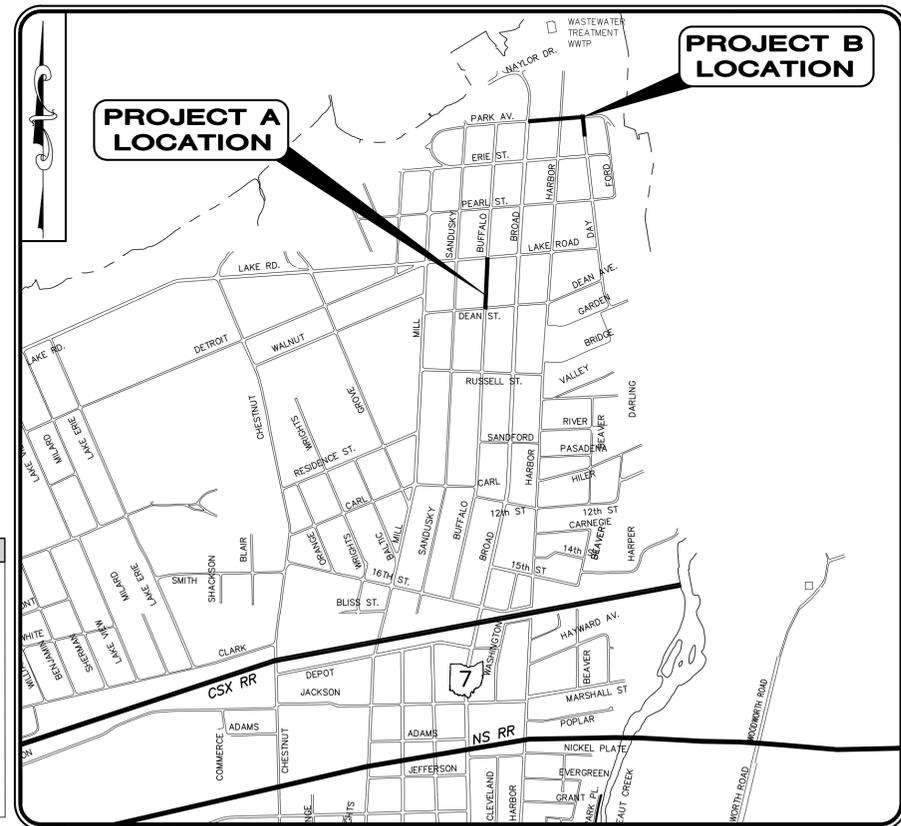
BM50: (BENCHMARK SET - M IN BUFFALO)
NORTH = 841737.3781
EAST = 2497510.2810
ELEVATION = 630.77

BM51: (BENCHMARK SET - IN GRASS ON NORTH
END OF BUFFALO, AT LAKE RD. INTERSECTION)
NORTH = 841951.7474
EAST = 2497504.5370
ELEVATION = 629.13

BM52: (BENCHMARK SET - IN GRASS ON SOUTH
END OF BUFFALO, AT DEAN RD. INTERSECTION)
NORTH = 841430.6048
EAST = 2497481.6750
ELEVATION = 633.06

BENCHMARK INFORMATION (PART B)

BM1: (BENCHMARK SET - M IN MUELLER)
NORTH = 843492.5263
EAST = 2498571.7258
ELEVATION = 624.61



LOCATION MAP

NOT TO SCALE

PROJECT SPECIFICATIONS

THE LATEST STANDARD SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO, AND THE CITY OF CONNEAUT ENGINEERING DEPARTMENT SHALL GOVERN THIS PROJECT.

SOURCE OF BOUNDARY INFORMATION

THE BOUNDARY INFORMATION SHOWN ON THESE PLANS IS BASED UPON ASHTABULA COUNTY G.I.S. MAPPING AND DOES NOT REPRESENT AN ACTUAL FIELD BOUNDARY SURVEY BY VERDANTAS.



ENGINEER'S PROJECT A No. 36620
ENGINEER'S PROJECT B No. 241751

ODOT SCD REFERENCES

BP-7.1	NEW CURB RAMPS	7/18/2025
DM-1.2	PIPE UNDERDRAINS	1/17/2025
DM-4.4	CONSTRUCTION EROSION CONTROL	1/15/2016
BP-3.1	ASPHALT PAVING	1/19/2024
BP-5.1	CONCRETE CURBS AND COMBINED CURB & GUTTER	7/18/2025
MT-095.50	SUPPLEMENTAL ADVANCED SIGNS USED WITH LANE CLOSURES	7/21/2017
MT-097.12	FLAGGER CLOSING 1 LANE OF A 2-LANE HIGHWAY FOR PAVING OPERATIONS	7/18/2025
MT-110.10	PEDESTRIAN DETOUR METHODS	7/19/2013
TC-71.10	WORD AND SYMBOL PAVEMENT MARKINGS	7/18/2025

OUPS CALL:



1-800-362-2764
CALL TWO WORKING DAYS BEFORE YOU DIG
(NON MEMBERS MUST BE CALLED DIRECTLY)

PART A TICKET #: A516204551-01B
PART B TICKET #: A412302465-00A

CITY OF CONNEAUT

APPROVED BY:

THE CITY OF CONNEAUT CITY MANAGER
THIS 9th DAY OF December, 2025

NICK SANFORD

APPROVED BY:

THE CITY OF CONNEAUT WASTEWATER SUPERINTENDENT
THIS 9th DAY OF December, 2025

BRIAN BIDWELL

ENGINEER (PART A):

VERDANTAS
904-2 SAHARA TRAIL
YOUNGSTOWN, OHIO 44514
CHRISTOPHER KOGELEK, P.E.
(330)-764-1200



ENGINEER (PART B):

VERDANTAS
904-2 SAHARA TRAIL
YOUNGSTOWN, OHIO 44514
CHRISTINA BARRY, P.E.
(330)-764-1200



APPROVED



Z:\PROJECT FILES\04-DC\CONNEAUT\36620 - BUFFALO ST. ZONE 6\CAD\DWG\SHEETS\C-36620 - TITLE SHEET.DWG - 12/16/2025 3:36:02 PM - LHM\MPH\HENS

GENERAL NOTES
1. ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE LATEST EDITION OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS, AND THE CITY OF CONNEAUT SPECIFICATIONS.
2. THERE SHALL BE NO DEVIATION FROM THE APPROVED PLANS WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER OR THEIR REPRESENTATIVE. ANY DEVIATION FROM THESE PLANS WITHOUT PRIOR WRITTEN APPROVAL SHALL BE AT THE CONTRACTOR'S RISK AND EXPENSE.
3. THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A TESTING AGENCY FOR ALL REQUIRED TESTING.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT STAKING INCLUDING HORIZONTAL AND VERTICAL CONTROL. ANY DISCREPANCIES DISCOVERED IN THE PLAN INFORMATION, OR BETWEEN THE PLAN AND ELECTRONIC DATA SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE DESIGN ENGINEER SO THE APPROPRIATE ADJUSTMENTS MAY BE MADE.
5. ALL WORK SHALL BE LIMITED TO THE PROPERTIES AND EASEMENTS IDENTIFIED ON THE PLANS. ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO INSPECTIONS AND ENCROACHMENT PERMITS FROM THE JURISDICTION HAVING AUTHORITY OVER THE RIGHT-OF-WAY. REQUIREMENTS OF SUCH PERMITS ARE INCORPORATED INTO THESE DOCUMENTS BY REFERENCE.
6. ANY DEFECTS IN CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP, SHALL BE REPLACED OR CORRECTED BY THE CONTRACTOR BY REMOVAL AND REPLACEMENT OR THE REPAIR APPROVED WITHOUT PRIOR ACCEPTANCE BY THE OWNER WITH NO ADDITIONAL COMPENSATION.
7. CONTRACTOR SHALL SUBMIT A PLAN OF OPERATIONS FOR REVIEW AND APPROVAL BY THE ARCHITECT THAT WILL INDICATE EQUIPMENT STAGING AREAS, STOCKPILE LOCATION AND SANITATION FACILITIES.
8. RIGHT-OF-WAY AND PROPERTY LINES SHOWN ARE PLOTTED FROM ASHTABULA COUNTY G.I.S. MAPPING AND ARE APPROXIMATE AND NOT THE RESULT OF A FIELD BOUNDARY SURVEY.
9. ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.
11. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL ASHTABULA COUNTY AND THE CITY OF CONNEAUT PERMITS HAVE BEEN ISSUED AS REQUIRED.
12. APPROPRIATE BARRICADES, WARNING LIGHTS, SIGNS, FENCING ETC. SHALL BE ERRECTED AROUND THE CONSTRUCTION AREA DURING NON-WORKING HOURS TO ALERT PERSONS OF THE POTENTIAL DANGER ASSOCIATED WITH THE AREA UNDER CONSTRUCTION AS WELL AS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE SAFETY OF THE GENERAL PUBLIC AS WELL AS ALL CONSTRUCTION PERSONNEL.
13. ANY EXISTING ROADWAY, LAWN, CURB, SIDEWALK OR OTHER APPURTENANCE DISTURBED DURING CONSTRUCTION NOT DESIGNATED FOR REMOVAL OR REPLACEMENT SHALL BE RESTORED BY THE CONTRACTOR, WITHOUT ADDITIONAL COMPENSATION, TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO DISTURBANCE.
14. ANY TEMPORARY UTILITY REQUIRED BY THE CONTRACTOR (ELECTRIC, WATER ETC.) SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.
15. THE CONTRACTOR SHALL PRESERVE ALL BENCHMARKS, PROPERTY LINE REFERENCES, REFERENCE POINTS, STAKES AND ANY OTHER SURVEY REFERENCE. IN CASE OF DISTURBANCE THE CONTRACTOR SHALL REPLACE THEM AT THE CONTRACTOR'S EXPENSE, BE RESPONSIBLE FOR ANY ERRORS THAT MAY BE CAUSED BY THEIR LOSS OR DISTURBANCE.
16. ALL PROPOSED CONCRETE PAVEMENT ABUTTING EXISTING PAVEMENT SHALL BE DOWELED INTO EXISTING CONCRETE PAVEMENT USING A 3/4" DEFORMED DOWEL WITH 9" MINIMUM EMBEDMENT.
17. THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF THE BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH THE CONDITIONS AND CONSTRAINTS OF THE SITE.
19. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

ACCESSIBILITY NOTES
1. ALL REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) SHALL BE FOLLOWED IN ALL ASPECTS OF THE PROJECT.
2. ALL SIDEWALKS INSTALLED SHALL HAVE A MAXIMUM CROSS SLOPE OF 2%.
3. HANDICAP ACCESSIBLE PARKING SPACES SHALL NOT EXCEED A SLOPE OF 2% IN ANY DIRECTION.
4. ALL CURB RAMPS SHOWN ALONG A DESIGNATED ACCESSIBLE ROUTE SHALL BE FLUSH WITH THE ADJACENT PAVEMENT.

UTILITY NOTES
1. THIS PLAN SHOWS THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES (GAS, WATER, STORM SEWER, SANITARY SEWER, TELEPHONE, ELECTRIC, ETC.). THE PREPARER DOES NOT GUARANTEE THEIR ACCURACY OR CORRECTNESS. THE INFORMATION PROVIDED SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE UTILITY AS WELL AS THE SERVICE LATERALS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PRACTICE CARE DURING THE GRADING AND TRENCH EXCAVATION AND SHALL BE RESPONSIBLE FOR REPLACING ANY SERVICES THAT ARE DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
2. PRIOR TO ANY EXCAVATION OVER AN EXISTING UTILITY LINE OR SERVICE, CONTRACTOR SHALL HAND EXCAVATE TO EXPOSE THE UTILITY AND DETERMINE LOCATION AND DEPTH. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS.
3. TOPS OF EXISTING AND PROPOSED CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER AND REQUIREMENTS OF UTILITY OWNER. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.
4. FORTY-EIGHT (48) HOURS BEFORE EXCAVATION IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE OHIO UTILITIES PROTECTION SERVICE AND ALL OTHER UTILITIES THAT MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF OHIO UNDERGROUND PROTECTION.
5. THE SITE MAY CONTAIN EXISTING PRIVATELY OWNED UTILITIES. THESE HAVE BEEN SHOWN AS ACCURATELY AS POSSIBLE BASED ON EXISTING UTILITY INFORMATION, BUT THE PREPARER OF THESE DOCUMENTS DOES NOT ATTEST TO THEIR ACCURACY OR CORRECTNESS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTRACT WITH A PRIVATE UTILITY MARKING AGENCY TO IDENTIFY AND LOCATE ALL PRIVATE UTILITIES WITHIN THE WORK SITE. THIS MAY INVOLVE THE EXCAVATION AND UNCOVERING OF UTILITIES TO VERIFY LOCATION. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS. CONTRACTOR SHALL MAKE RECORDS OF ALL PRIVATE UTILITIES ENCOUNTERED DURING THE PROJECT.
6. RECORD DRAWINGS OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADVANCE NOTIFICATION OF EXISTING UTILITY OWNERS LISTED BELOW IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE. UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS ARE:

STORM & SANITARY NOTES
1. ALL STORM AND SANITARY ITEMS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND DETAILS AND CITY OF CONNEAUT REQUIREMENTS.
2. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORM AND SANITARY SEWER FLOW THROUGHOUT THE PROJECT. FOR THE DURATION OF CONSTRUCTION, ALL COST FOR THE ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.
3. IF REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND SCHEDULING STORM AND SANITARY SEWER INSPECTIONS AS SET OUT IN THE PRECONSTRUCTION MEETING.
4. CONNECTIONS INTO EXISTING OR PROPOSED STORM OR SANITARY SEWER STRUCTURES OR PIPES SHALL BE COMPLETED BY A CERTIFIED TAPPER.
5. DOWNSPOUT AND UNDERDRAIN CONSTRUCTION SHALL MEET THESE AND THE LATEST EDITION OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS, THE CITY OF CONNEAUT REQUIREMENTS, AND DETAILS SHOWN ON THIS PLAN. BEDDING, BACKFILLING, JOINTS, EXCAVATION AND INSTALLATION SHALL BE INCLUDED IN THE COST PER FOOT OF PIPE. STORM SEWER, DOWNSPOUT AND UNDERDRAIN PIPE MATERIAL SHALL HAVE A MANNING'S "N" VALUE OF 0.013 OR LESS (UNLESS OTHERWISE SHOWN) AND BE RIGID / SMOOTH INTERIOR WALLED PVC SDR-35 PIPE, RIBBED PVC PIPE, A-2000 PVC PIPE, UNLESS OTHERWISE SHOWN.
6. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
7. CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM AND SANITARY SEWER MANHOLES, INLETS AND DETENTION SYSTEMS.
8. CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE INLETS UPON PLACEMENT OF NEW PAVEMENT.

WATER NOTES
1. ALL WORK RELATING TO WATER MAINS OR WATER SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE CITY OF CONNEAUT WATER DEPARTMENT.
2. CONTRACTOR MAY NOT USE WATER FROM FIRE HYDRANTS WITHOUT PRIOR PERMISSION FROM THE CITY OF CONNEAUT.
3. MAINTAIN A MINIMUM 10' HORIZONTAL SEPARATION AND 18" VERTICAL SEPARATION FROM ALL SANITARY SEWERS.

GAS NOTES
1. ALL WORK RELATING TO GAS MAINS OR GAS SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF ENBRIDGE GAS OHIO.

ELECTRIC NOTES
1. ALL WORK RELATING TO ELECTRIC LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF ILLUMINATING COMPANY (CEI).

MAINTENANCE OF TRAFFIC NOTES
1. ALL MAINTENANCE OF TRAFFIC PROCEDURES SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL TRAFFIC (ACCESS TO RESIDENCES WITHIN CONSTRUCTION LIMITS) AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT SIGN, WARNING LIGHTS, BARRICADES, OR OTHER NECESSARY DEVICES TO MAKE THE SITE SAFE TO THE TRAVELING PUBLIC.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT TO THE ENGINEER AND THE OWNER A TRAFFIC CONTROL PLAN FOR THIS PROJECT.
3. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF CONNEAUT POLICE DEPARTMENT. AT ALL TIMES, EMERGENCY VEHICLES SHALL BE GIVEN ACCESS.
4. RESIDENTS OF THE PROJECT AREA SHALL BE ALLOWED ACCESS TO THEIR PROPERTY AT ALL TIMES.
5. ALTERNATE ROUTES OR CONTINUOUS TRAFFIC CONTROL SHALL BE EMPLOYED WHEN A PUBLIC WAY IS TEMPORARILY BLOCKED DURING CONSTRUCTION, INCLUDING PEDESTRIAN AND BICYCLE FACILITIES. ADVANCED NOTICE SIGNS IN ACCORDANCE WITH THE MUTCD SHALL BE EMPLOYED.

HATCH LEGEND	
	SIGN POST, SEE DETAIL SHEET
	PROPOSED SANITARY LINE
	PROPOSED STORM LINE
	PROPOSED WATER LINE
	CONCRETE SIDEWALK TO BE REPLACED, SEE DETAIL SHEET
	ASPHALT PAVEMENT TO BE REPLACED, SEE DETAIL SHEET
	CONCRETE DRIVE APRON TO BE REPLACED, SEE DETAIL SHEET

GRADING AND EROSION CONTROL NOTES
1. ALL DISTURBED AREAS ARE TO BE RESTORED (SEEDED AND MULCHED) BY THE CONTRACTOR AND SHALL PROCEED WITH JOB PROGRESSION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING ANY EXCESS MATERIALS AT THE SITE AND MAINTAINING ALL SEEDED AND MULCHED AREAS UNTIL PROJECT COMPLETION AND FINAL INSPECTION. ALL DISTURBED AREAS SHALL BE RESTORED WITHIN TWENTY-ONE (21) DAYS AFTER CONSTRUCTION.
ALL APPLICABLE RECOMMENDATIONS IN THE OHIO EPA'S RAINWATER AND LAND DEVELOPMENT MANUAL SHALL BE FOLLOWED BY THE CONTRACTOR, INCLUDING SEEDING OF DISTURBED GROUND.
2. ADDITIONAL BMP'S AND EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY. ALL COST FOR ABOVE SHALL BE INCLUDED IN LUMP SUM BID FOR EROSION CONTROL AND WATER POLLUTION CONTROL.
3. ALL EXCAVATION IS CONSIDERED UNCLASSIFIED AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS AND MATERIALS OF CONSTRUCTION. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUITABILITY OF MATERIAL UNDERLYING THE PROJECT SITE. THE CONTRACTOR SHALL PERFORM ANY INVESTIGATIONS OR TESTING NECESSARY TO ADEQUATELY DETERMINE OR ESTIMATE TO THEIR SATISFACTION ANY EXISTING SITE CONDITION WHICH COULD AFFECT HIS BID OR THE PERFORMANCE OF THE PROPOSED IMPROVEMENTS. THIS COULD INCLUDE, BUT NOT BE LIMITED TO, UNSUITABLE OR UNSTABLE SOIL/SUBSURFACE CONDITIONS, ROCK, WATER (PERCHED OR FREE), OBSTRUCTIONS, ETC.
4. ALL TREES AND OTHER VEGETATION WITHIN THE PROJECT LIMITS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED, INCLUDED STUMP REMOVAL.
5. THE CONTRACTOR SHALL REMOVE ALL SURPLUS DEMOLISHED AND WASTE MATERIALS, INCLUDING TREES, STUMPS, TRASH AND DEBRIS, FROM THE PROJECT LIMITS AND DISPOSE OF OFF-SITE. IN NO INSTANCE SHALL MATERIAL BE BURIED ON-SITE.
6. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL MATERIAL DEEMED UNSUITABLE FOR EMBANKMENT BY THE OWNER'S REPRESENTATIVE AND BE DISPOSED OF OFF-SITE.
7. THE CONTRACTOR SHALL PROVIDE FINAL GRADING TO WITHIN 1" OF GRADES SHOWN ON THE PLANS.
8. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FROM ALL AREAS TO BE GRADED, TO WHATEVER DEPTH ENCOUNTERED, AND IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL. SOIL SHALL NOT BE STOCKPILED NEAR THE EDGE OF EXCAVATIONS OR WITHIN DRIP LINES OF TREES TO REMAIN.
9. NO SLAG, RIVER GRAVEL, RECYCLED PORTLAND CEMENT CONCRETE, RECLAIMED ASPHALT CONCRETE PAVEMENT OR RECLAIMED BITUMINOUS AGGREGATE BASE SHALL BE USED AS FILL.
10. EXPOSED PAVEMENT SUBGRADE AREAS SHALL BE MAINTAINED IN CONDITIONS TO PREVENT PONDING OF WATER AFTER RAINS.
11. ALL EXISTING AND PROPOSED MANHOLE COVERS, VALVE BOXES, ETC. LOCATED WITHIN PEDESTRIAN ACCESS SHALL BE FLUSH MOUNTED WITH THE WALKING SURFACE.
12. THE CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES TO REMAIN FROM DAMAGE CAUSED BY EARTHWORK OPERATIONS.
13. MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR(S).
14. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF REPAIR AND/OR REPLACEMENT OF BMP'S.
15. CONTRACTOR TO PROVIDE PROVISIONS FOR TRUCK CLEANING UPON EXITING SITE SUCH AS CONSTRUCTION ENTRANCES.
16. CONTRACTOR SHALL PROVIDE INLET PROTECTION, SUCH AS DANDY BAGS.
17. THE CONSTRUCTION STAGING AND STORAGE AREA SHALL BE THE LOT N. OF 880 BUFFALO STREET, AS APPROVED BY THE HOME OWNER AND THE CITY.

SYMBOL LEGEND	
	EXISTING GAS LINE
	EXISTING GAS SERVICE
	EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
	EXISTING CABLE (UNDERGROUND / OVERHEAD)
	EXISTING TELEPHONE (UNDERGROUND / OVERHEAD)
	EXISTING WATER MAIN
	EXISTING WATER SERVICE
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING SANITARY FORCE MAIN
	EXISTING FIBER OPTICS
	EXISTING FENCE
	EXISTING CONTOURS (MAJOR)
	EXISTING CONTOURS (MINOR)
	EXISTING RIGHT OF WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	EXISTING TREE LINE
	PROPOSED GAS LINE
	PROPOSED GAS SERVICE
	EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
	PROPOSED CABLE (UNDERGROUND / OVERHEAD)
	PROPOSED TELEPHONE (UNDERGROUND / OVERHEAD)
	PROPOSED WATER MAIN
	PROPOSED WATER SERVICE
	PROPOSED STORM SEWER
	PROPOSED SANITARY SEWER
	PROPOSED FENCE
	PROPOSED DISTURBED/WORK LIMITS
	EXISTING ELECTRIC PEDESTAL
	EXISTING FIRE HYDRANT
	EXISTING PULL BOX
	EXISTING ELECTRIC METER
	EXISTING GAS METER
	EXISTING GAS VALVE
	EXISTING GAS BOX
	EXISTING UTILITY POLE
	EXISTING GUY WIRE / ANCHOR
	EXISTING SANITARY MANHOLE
	EXISTING STORM MANHOLE
	EXISTING SINGLE / DOUBLE CURB INLET
	EXISTING CATCH BASIN
	EXISTING TELEPHONE PEDESTAL
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING BUSHES / TREES
	EXISTING SURVEY BENCHMARK
	TEST BORING LOCATION
	PROPOSED SANITARY MANHOLE
	PROPOSED SINGLE / DOUBLE CURB INLET
	PROPOSED CATCH BASIN
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	REMOVE EXISTING BUSH / TREE

Sheet List Table		
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1	TITLE SHEET	G0-01
2	GENERAL NOTES	G0-02
3	TYPICAL SECTION	G0-03
4	SURVEY CONTROL	G0-04
5	MAINTENANCE OF TRAFFIC	G0-05
6	UTILITY PLAN AND PROFILE - 1 STA. 0+00 TO 4+00	C0-01
7	UTILITY PLAN AND PROFILE - 2 STA. 4+00 TO 7+85.65	C0-02
8	ROADWAY PLAN - 1 STA. 0+00 TO 4+00	C0-03
9	ROADWAY PLAN - 2 STA. 4+00 TO 7+85.65	C0-04
10	CONSTRUCTION DETAIL - 1	C0-05
11	CONSTRUCTION DETAIL - 2	C0-06
12	CONSTRUCTION DETAIL - 3	C0-07
13	CONSTRUCTION DETAIL - 4	C0-08
14	CONSTRUCTION DETAIL - 5	C0-09

NO	REVISION	DATE
01	PTI COMMENTS - ROUND 1	12/16/2025

BUFFALO STREET IMPROVEMENTS ZONE 6 - PART A

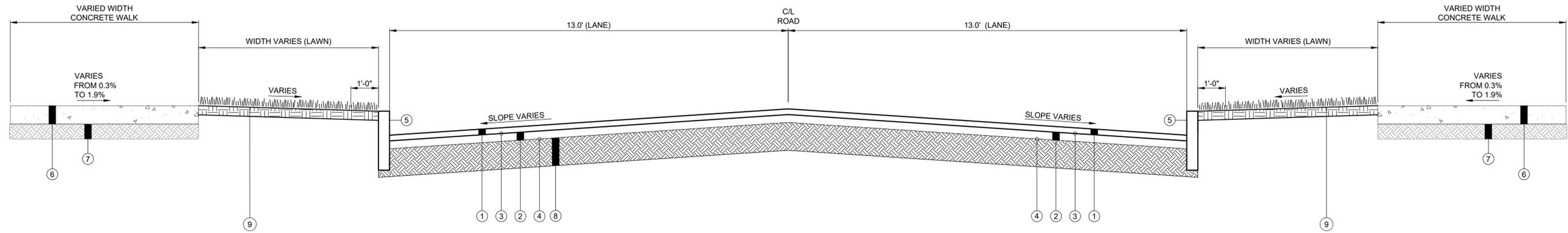
ASHTABULA COUNTY CONNEAUT, OHIO

ISSUED FOR:	BID
ISSUE DATE:	11/24/2025
SCALE:	AS SHOWN
DESIGNED BY:	LMM
DRAWN BY:	LMM
CHECKED BY:	SAA/CMK

PROJECT NO.	36620
DISCIPLINE	CIVIL
SHEET NAME	G0-02
SHEET	OF
25W-5631	14

LEGEND

- ① ODOT ITEM 441 - 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ② ODOT ITEM 441 - 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- ③ ODOT ITEM 407 - TACK COAT INTERMEDIATE COURSE @ 0.01 GAL/SY
- ④ ODOT ITEM 407 - TACK COAT @ 0.01 GAL/SY
- ⑤ ODOT ITEM 609 - VERTICAL CURB, TYPE 6
- ⑥ ODOT ITEM 608 - 4" CONCRETE SIDEWALK
- ⑦ ODOT ITEM 304 - 4" AGGREGATE BASE
- ⑧ ODOT ITEM 304 - 6" AGGREGATE BASE
- ⑨ ODOT ITEM 659 - 6" TOPSOIL PLACES, SEEDING, AND MULCH



BUFFALO STREET ZONE 6 TYPICAL SECTION
SCALE: NTS



NO	REVISION	DATE
01	PTI COMMENTS - ROUND 1	12/18/2025

**BUFFALO STREET IMPROVEMENTS
ZONE 6 - PART A**

ASHTABULA COUNTY

CONNEAUT, OHIO

ISSUED FOR:	BID
ISSUE DATE:	11/24/2025
SCALE:	AS SHOWN
DESIGNED BY:	LMM
DRAWN BY:	LMM
CHECKED BY:	SAACMK

TYPICAL SECTION

PROJECT NO.	36620
DISCIPLINE	CIVIL
SHEET NAME	G0-03
SHEET	OF
3 SW-5631	14



01/06/2026



NOTES:

1. THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY BE SUBJECT TO EASEMENTS AND OTHER RESTRICTIONS, EITHER RECORDED OR UNRECORDED. THE SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS, RECORD ENCUMBRANCES, RESTRICTIVE COVENANTS OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
2. THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
3. THE PROJECT CONTROL COORDINATE SYSTEM IS BASED UPON THE FOLLOWING: · HORIZONTAL DATUM - PROJECT CONTROL COORDINATES FOR THIS PROJECT HAVE BEEN ESTABLISHED BY GPS/RTK OBSERVATIONS UTILIZING THE OHIO COORDINATE SYSTEM OF 1983 (ZONE 3401-OHIO NORTH), OHIO STATE PLANE GRID COORDINATE VALUES ARE EXPRESSED IN UNITS OF U.S. SURVEY FEET. · VERTICAL DATUM - NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. AN ALTA/ NSPS LAND TITLE SURVEY WAS NOT PERFORMED.
5. EASEMENTS, RECORD RESTRICTIONS AND SETBACKS WERE NOT ADDRESSED DURING THIS SURVEY.
6. ALL DIMENSIONS GIVEN ARE EXPRESSED IN US SURVEY FEET.
7. IRON PINS SET ARE 5/8" IRON PINS SET WITH A RED CAP INSCRIBED WITH "VERDANTAS"



NORTH AND BEARING SYSTEM BASED ON NAD83
OHIO STATE PLANE, NORTH ZONE, US FOOT.
40'
0'
40'
SCALE: 1" = 40'

LEGEND:

- M CENTERLINE MONUMENT
- I.PIN SET
- I.PIN FOUND
- ⊙ I.P.IPE FOUND
- EX. RW — LIMITS OF PUBLIC R/W
- - - - - CENTERLINE PUBLIC R/W
- — — — — PARCEL LINES
- · — · — · — SUBDIVISION LINES

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	841939.2219	2497517.0150	629.19	Iron Pin (Set)
11	841632.5721	2497549.5240	0.00	Iron Pin (Fnd)
12	841697.2855	2497492.1740	0.00	Corner Stone (Fnd)
13	841757.2042	2497494.8270	0.00	Iron Pin (Fnd)
14	841906.8654	2497561.5790	0.00	Iron Pipe (Fnd)
15	841855.7130	2497559.1330	0.00	Iron Pin (Fnd)
16	841752.5784	2497554.7480	0.00	Corner Stone (Fnd)
17	841437.3937	2497480.8200	0.00	Iron Pipe (Fnd)
50	841737.3781	2497510.2810	630.77	Benchmark (Set)
51	841951.7474	2497504.5370	629.13	Benchmark (Set)

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
52	841430.6048	2497481.6750	633.06	Benchmark (Set)
102	841758.6712	2497541.1600	630.69	SCIPIS 2
103	841444.2162	2497527.0130	633.07	Iron Pin (Set) 3



ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
	7/18-25	AS SHOWN		JSD	JSD

BUFFALO STREET, ZONE 6
CITY OF CONNEAUT
COUNTY OF ASHTABULA, STATE OF OHIO

CONTROL SHEET

PROJECT NO.	36620
DISCIPLINE	SURVEY
SHEET NAME	1/1
DSW-5631	01/06/2026

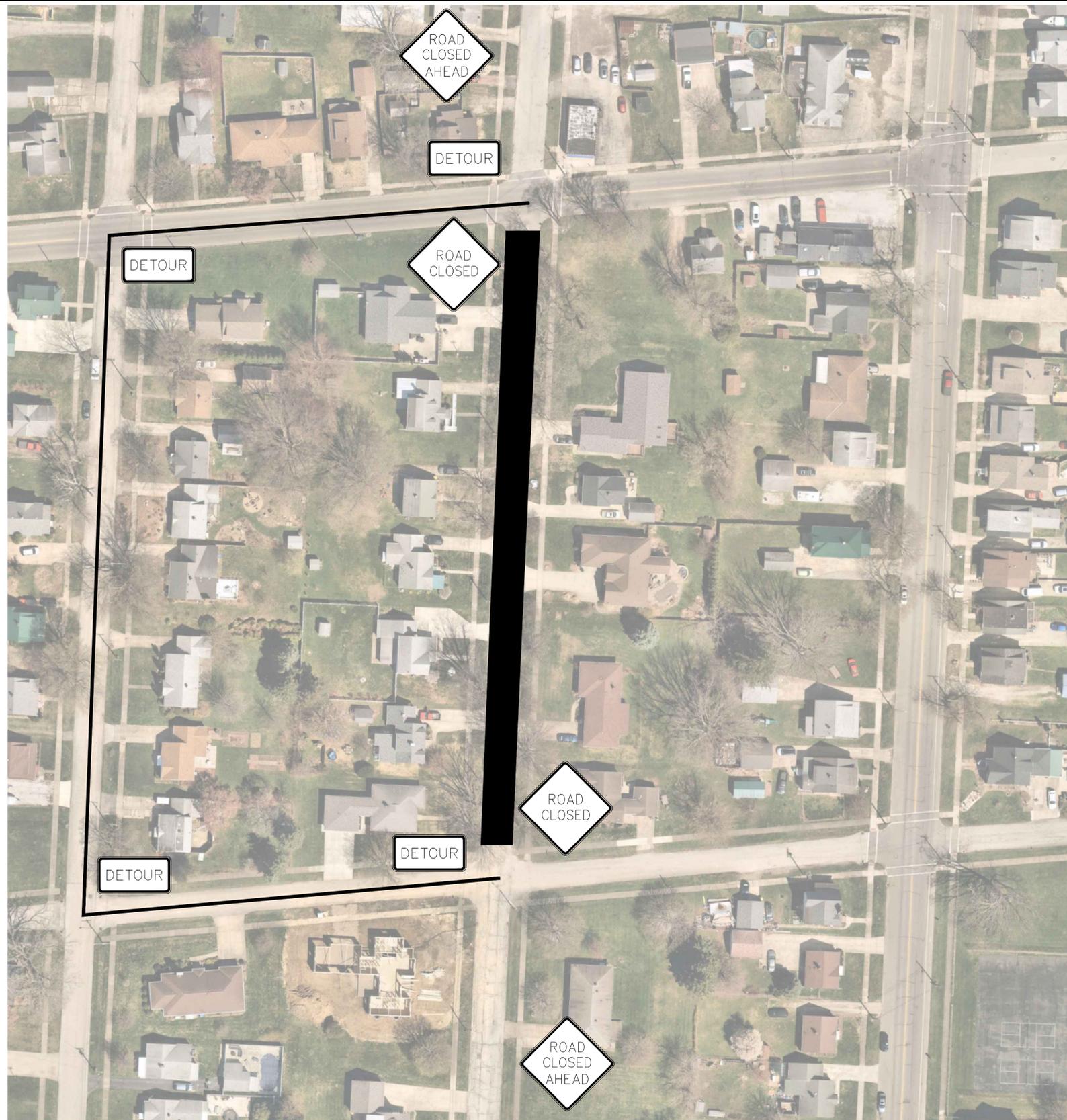




LEGEND

-  WORK ZONE
-  PROPOSED DETOUR ROUTE

NOTE:
 1. SUGGESTED DETOUR ROUTE. CONTRACTOR TO SUBMIT THEIR OWN MOT TO THE CITY FOR REVIEW & APPROVAL PRIOR TO CONSTRUCTION.
 2. CONTRACTOR SHALL USE ODOT SCD MT-097.12 PLANS AND NOTES FOR ONE-LANE CLOSURE.



NO	REVISION	DATE
01	PTI COMMENTS - ROUND 1	12/16/2025

**BUFFALO STREET IMPROVEMENTS
 ZONE 6 - PART A**

ASHTABULA COUNTY CONNEAUT, OHIO

ISSUED FOR:	BID
ISSUE DATE:	11/24/2025
SCALE:	AS SHOWN
DESIGNED BY:	LMM
DRAWN BY:	LMM
CHECKED BY:	SAA/CMK

MAINTENANCE OF TRAFFIC

PROJECT NO.	36620
DISCIPLINE	CIVIL
SHEET NAME	G0-05
SHEET	OF
5SW-5631	14



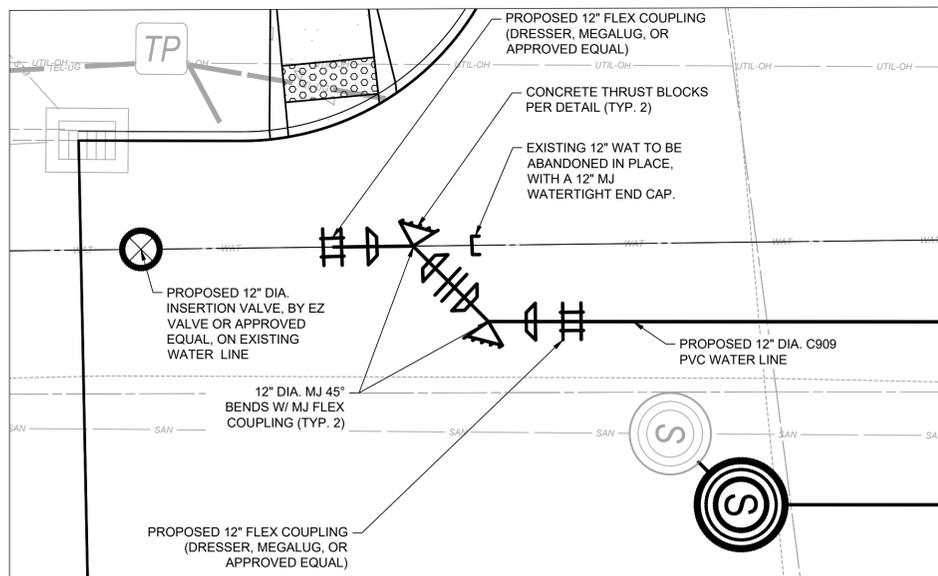
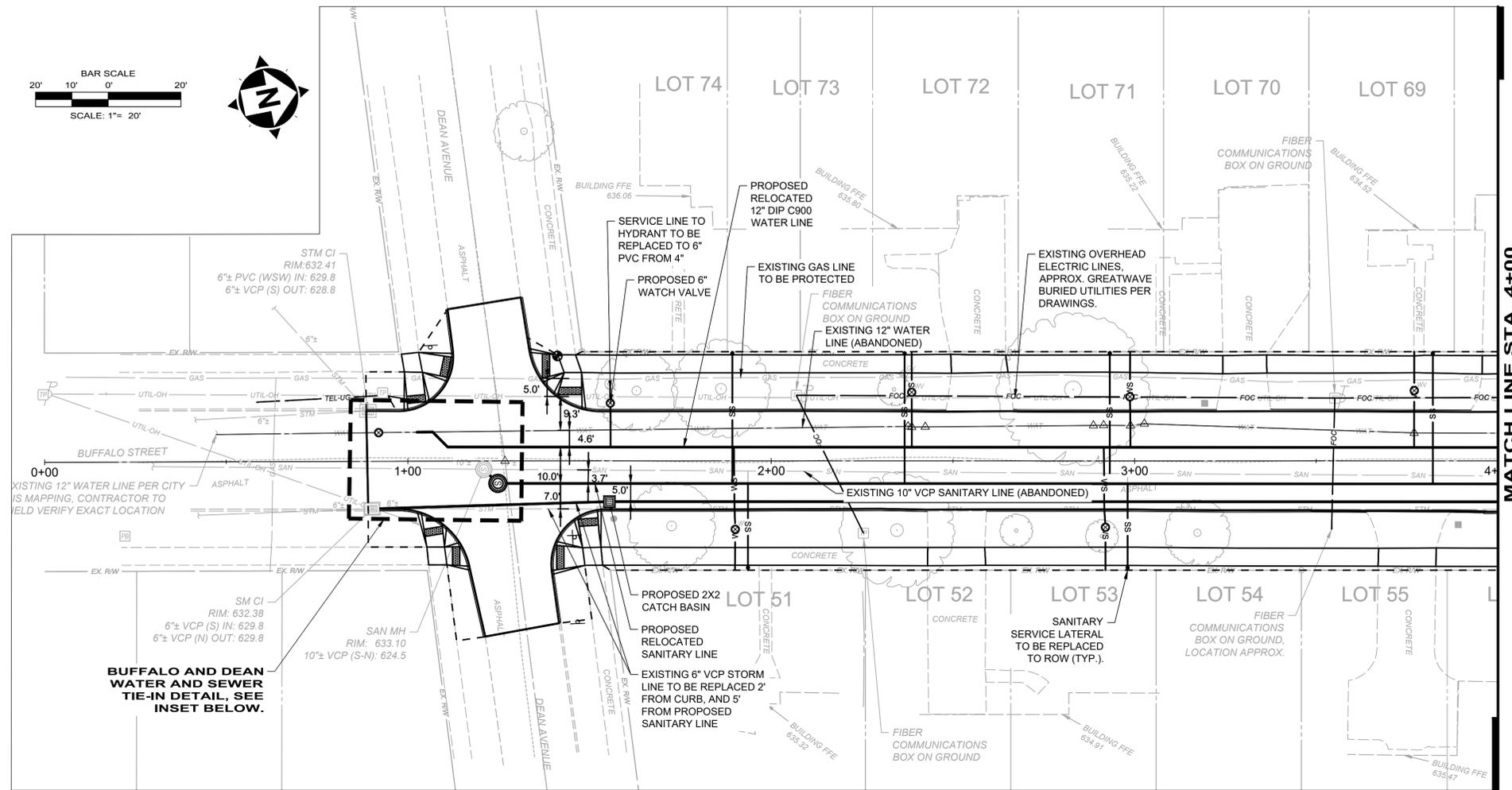
01/06/2026

HATCH LEGEND

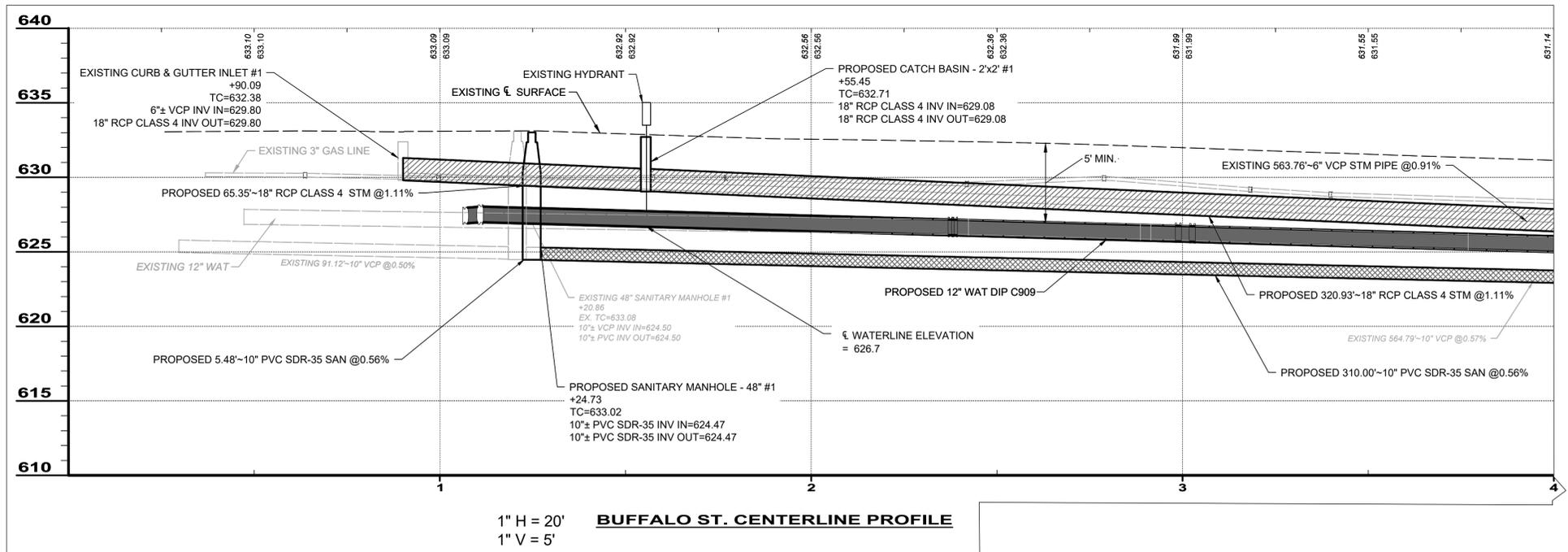
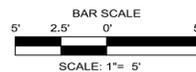
-  SIGN POST, SEE DETAIL SHEET
-  PROPOSED SANITARY LINE
-  PROPOSED STORM LINE
-  PROPOSED WATER LINE

SITE PLAN NOTES

1. CONTRACTOR IS TO COORDINATE WITH GREAT WAVE COMMUNICATIONS ON BURIED FIBER OPTIC LINES, BEFORE EXCAVATION AND TO LOCATE THE FIBER OPTIC LINES AND TO AVOID CONFLICT WITH THEM.
2. BURIED FIBER OPTIC LINES ARE PER MAPPING FROM GREAT WAVE, CONTRACTOR TO COORDINATE WITH GREAT WAVE TO ENSURE EXACT LOCATIONS DURING CONSTRUCTION.
3. PER GREAT WAVE, THE DEPTH OF THE LINES CAN BE FROM 4' TO 12' DEEP, WITH AN AVERAGE DEPTH (WITH NO SHALE / DEPENDING ON THE AREA) OF 2'.
4. CITY WILL SHUTDOWN THE EXISTING WATER LINE COMING INTO BUFFALO ST. FOR THE CONSTRUCTION OF THE NEW WATERLINE.
5. ALL SIGNS & POSTS ARE TO BE REMOVED PER ODOT ITEM 630. EXISTING SIGNS THAT ARE TO BE REPLACED SHALL BE IN ACCORDANCE WITH CONTRACT DOCUMENTS.
6. REFER TO EROSION CONTROL NOTES FOR ADDITIONAL DETAILS.
7. CONTRACTOR TO MATCH EXISTING ELEVATIONS AT TERMINAL CONNECTION SURFACE ELEMENTS, SUCH AS ROAD, CURB, SIDEWALK, AND DRIVE APRON SURFACE ELEVATIONS.



BUFFALO ST. AND DEAN AVE. WATER AND SEWER TIE-IN DETAIL



BUFFALO ST. CENTERLINE PROFILE

1" H = 20'
1" V = 5'



NO	REVISION	DATE
01	PTI COMMENTS - ROUND 1	12/18/2025

BUFFALO STREET IMPROVEMENTS ZONE 6 - PART A

ASHTABULA COUNTY

CONNEAUT, OHIO

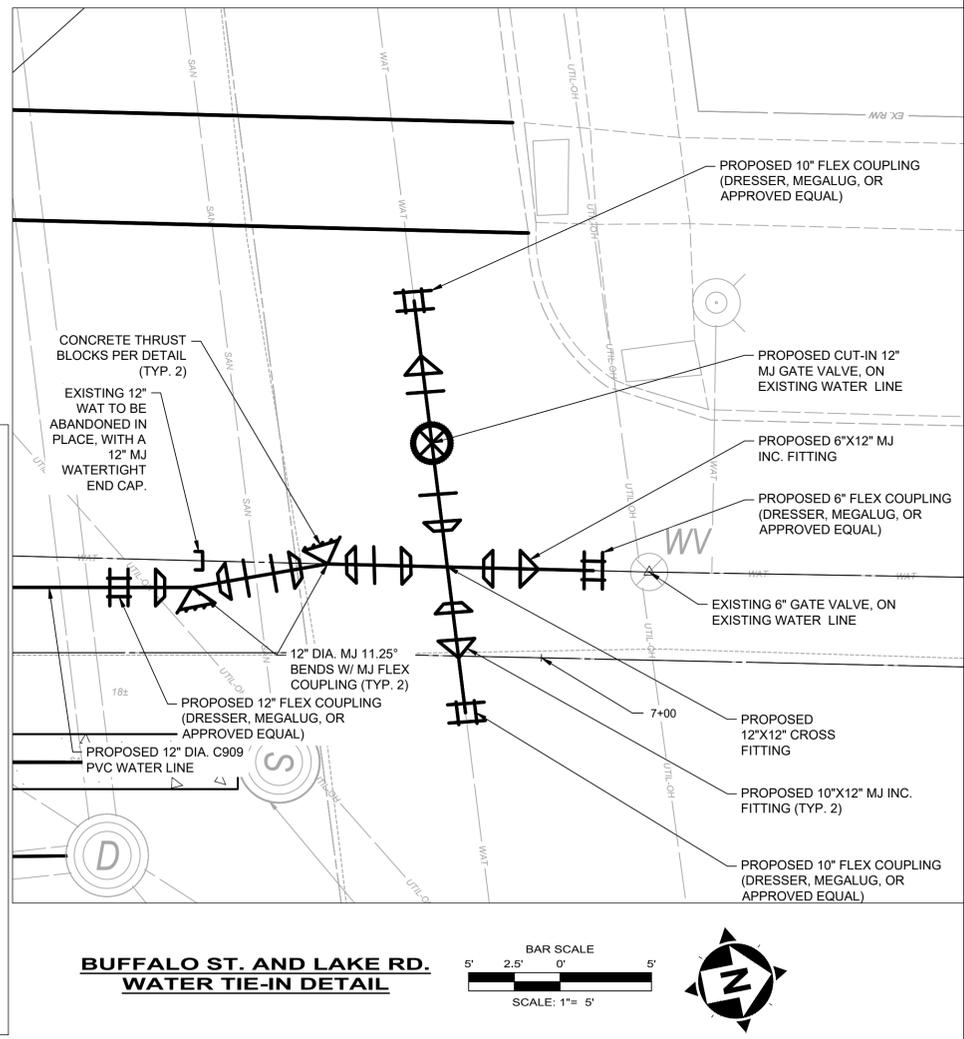
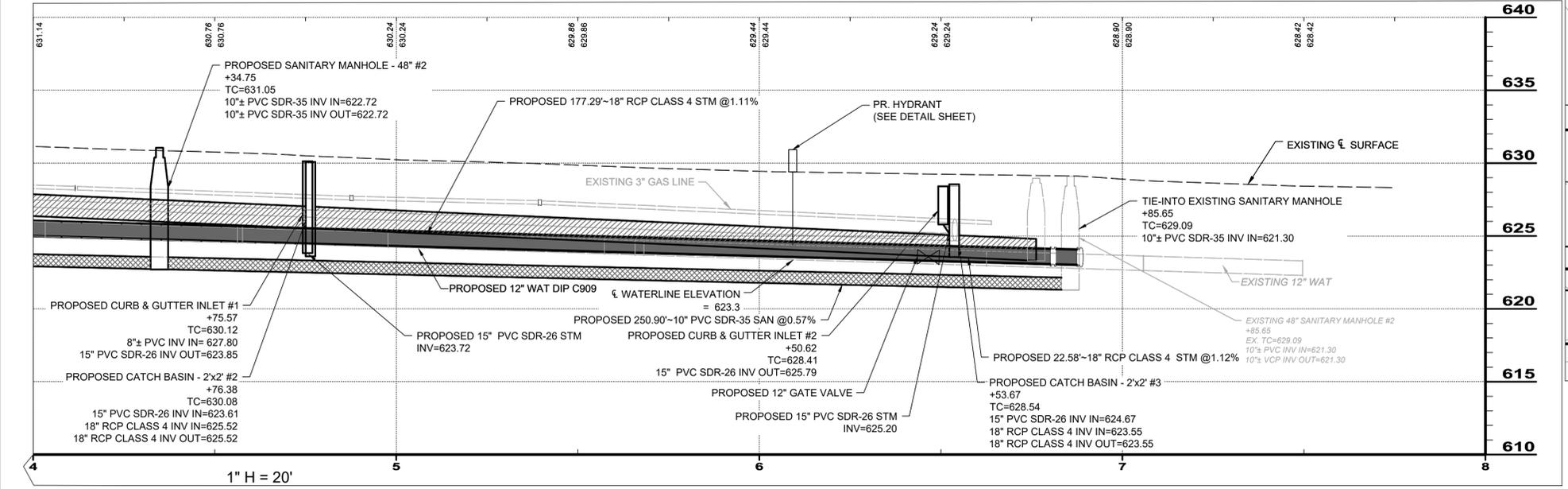
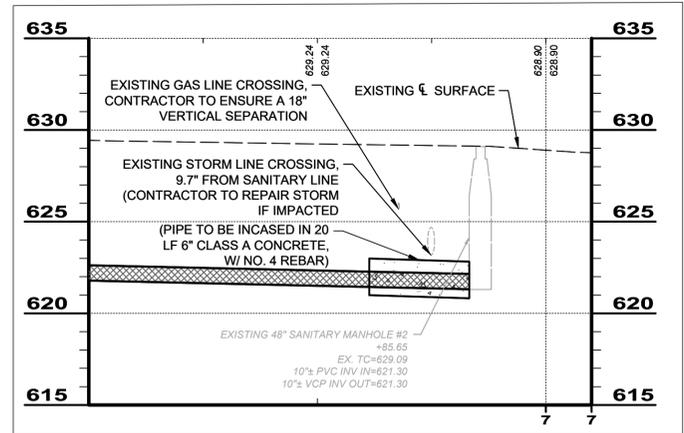
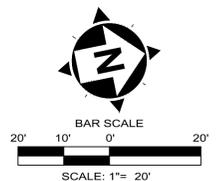
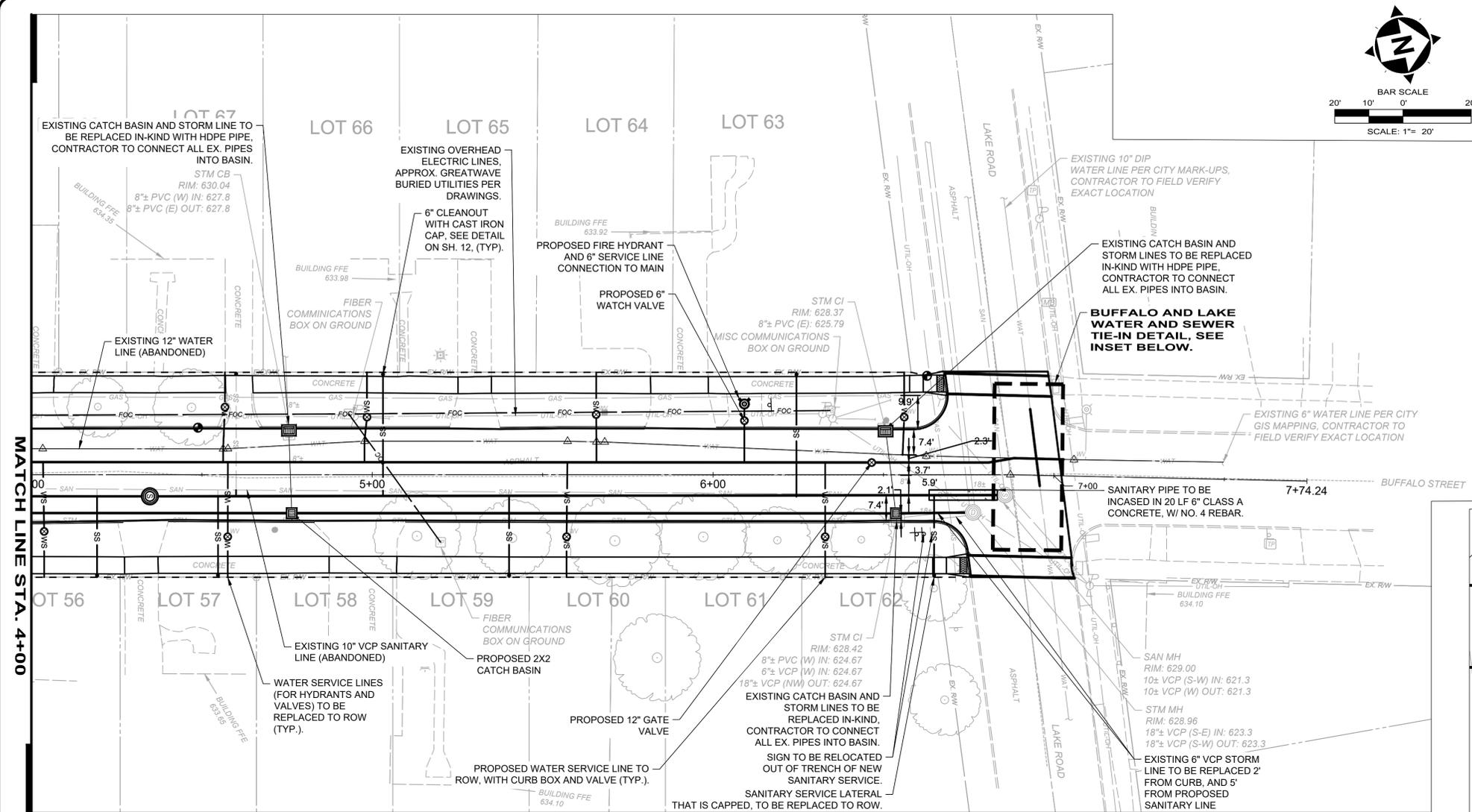
ISSUED FOR: BID
ISSUE DATE: 11/24/2025
SCALE: AS SHOWN
DESIGNED BY: LMM
DRAWN BY: LMM
CHECKED BY: SAA/CMK

UTILITY PLAN AND PROFILE - 1 STA. 0+00 TO 4+00

PROJECT NO.	36620
DISCIPLINE	CIVIL
SHEET NAME	C0-01
SHEET	OF
6SW-5631	14



01/06/2026



NO	REVISION	DATE
01	PTI COMMENTS - ROUND 1	12/16/2025

**BUFFALO STREET IMPROVEMENTS
ZONE 6 - PART A**

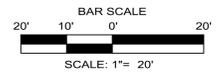
ASHTABULA COUNTY CONNEAUT, OHIO

ISSUED FOR:	BID
ISSUE DATE:	11/24/2025
SCALE:	AS SHOWN
DESIGNED BY:	LMM
DRAWN BY:	LMM
CHECKED BY:	SAA/CMK

**UTILITY PLAN AND PROFILE - 2
STA. 4+00 TO 7+85.65**

PROJECT NO.	36620
DISCIPLINE	CIVIL
SHEET NAME	C0-02
SHEET	OF
7SW-5631	14





GENERAL CONSTRUCTION NOTES

- 1 ITEM 609 - TYPE 6 CURB.
- 2 ITEM 608 - CURB RAMP, TYPE A2
- 3 ITEM 608 - CONNECT TO EXISTING CONCRETE CURB AND/OR SIDEWALK
- 4 ITEM 644 - CROSSWALK LINE, 12".
- 5 ITEM 201 - TREE REMOVED INCLUDING STUMP, AS PER PLAN

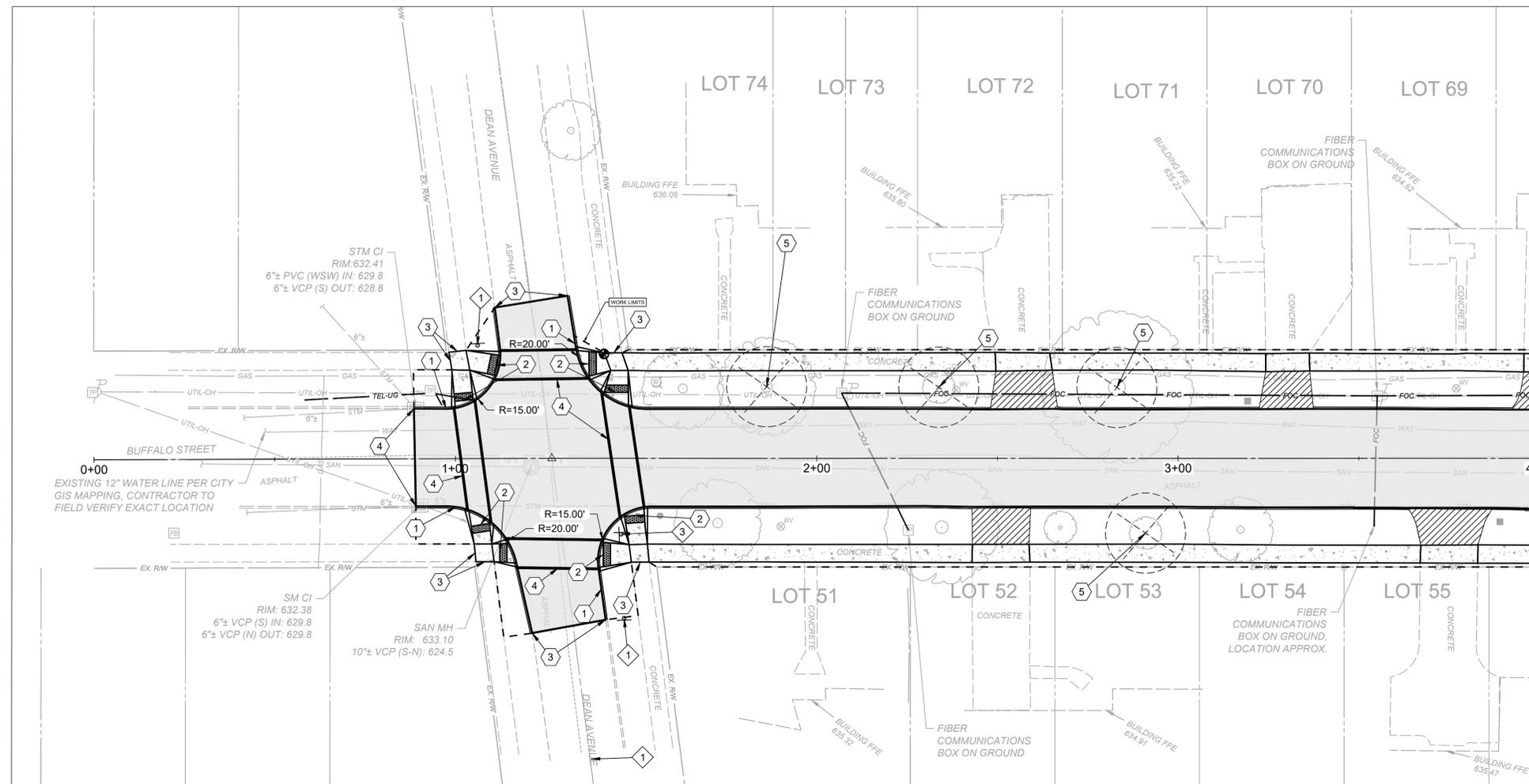
SIGN KEYNOTES

- 1 R1-1 30X30
- 2 R2-1 24X30
- 3 D1-1d 48X16
D1-1d 48X16
- 4 D1-1d 48X16
R1-1 30X30

HATCH LEGEND

- SIGN POST, SEE DETAIL SHEET
- OMITTED

- CONCRETE SIDEWALK REPLACEMENT, SEE DETAIL SHEET
- ASPHALT PAVEMENT REPLACEMENT, SEE DETAIL SHEET
- CONCRETE DRIVE APRON TO BE REPLACED, SEE DETAIL SHEET



MATCH LINE STA. 4+00



NO	REVISION	DATE
01	PTI COMMENTS - ROUND 1	12/18/2025

**BUFFALO STREET IMPROVEMENTS
ZONE 6 - PART A**

ASHTABULA COUNTY CONNEAUT, OHIO

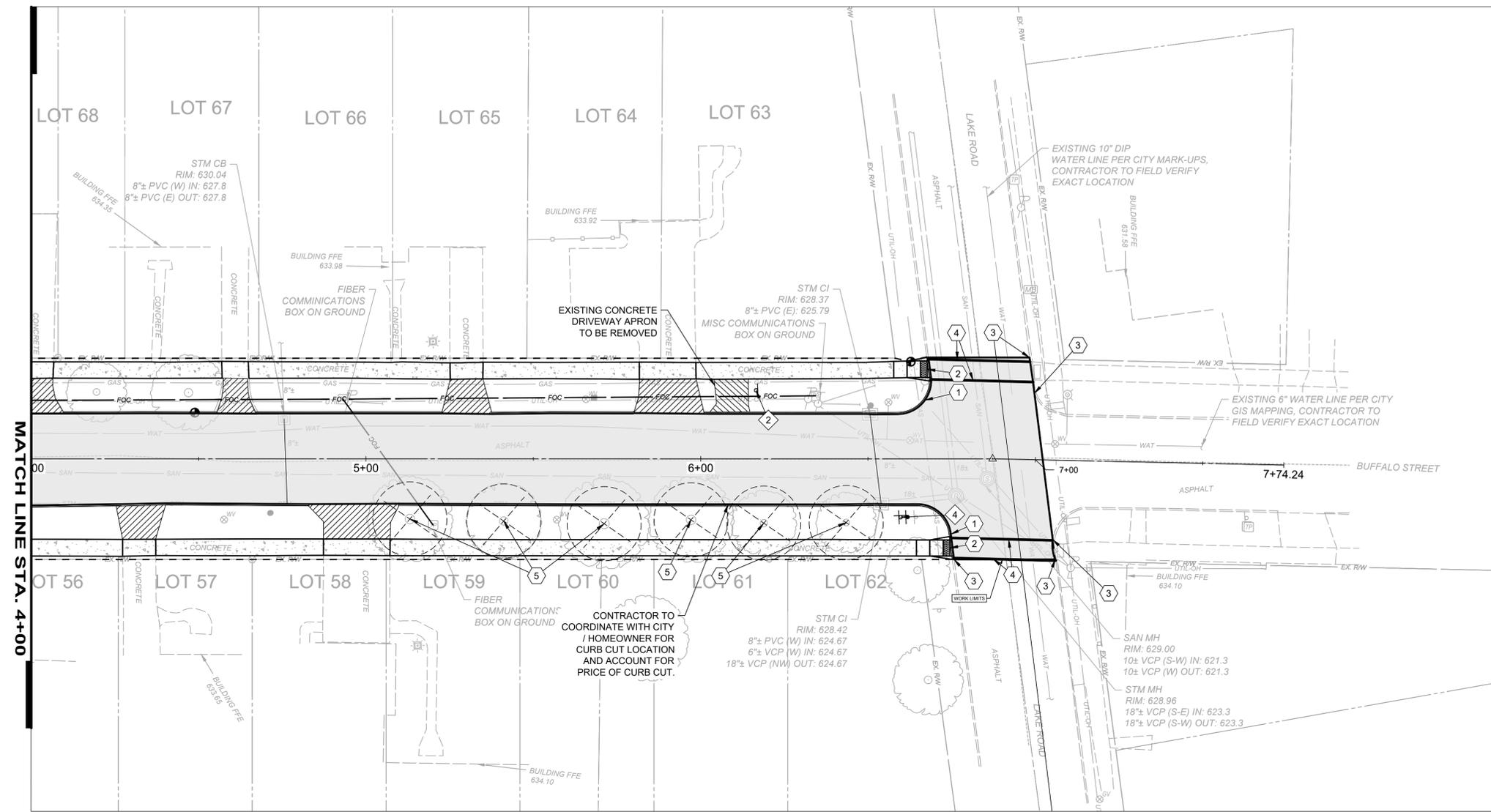
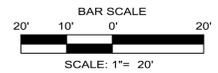
ISSUED FOR:	BID
ISSUE DATE:	11/24/2025
SCALE:	AS SHOWN
DESIGNED BY:	LMM
DRAWN BY:	LMM
CHECKED BY:	SAA/CMK

**ROADWAY PLAN - 1
STA. 0+00 TO 4+00**

PROJECT NO.	36620
DISCIPLINE	CIVIL
SHEET NAME	C0-03
SHEET	OF
8SW-5631	14



01/06/2026



GENERAL CONSTRUCTION NOTES

- 1 ITEM 609 - TYPE 6 CURB.
- 2 ITEM 608 - CURB RAMP, TYPE A2
- 3 ITEM 608 - CONNECT TO EXISTING CONCRETE CURB AND/OR SIDEWALK
- 4 ITEM 644 - CROSSWALK LINE, 12".
- 5 ITEM 201 - TREE REMOVED INCLUDING STUMP, AS PER PLAN

SIGN KEYNOTES

- 1 R1-1 30X30
- 2 R2-1 24X30
- 3 D1-1d 48X16
D1-1d 48X16
- 4 D1-1d 48X16
R1-1 30X30

HATCH LEGEND

- CONCRETE SIDEWALK REPLACEMENT, SEE DETAIL SHEET
- ASPHALT PAVEMENT REPLACEMENT, SEE DETAIL SHEET
- CONCRETE DRIVE APRON TO BE REPLACED, SEE DETAIL SHEET
- SIGN POST, SEE DETAIL SHEET
- OMITTED



NO	REVISION	DATE
01	PTI COMMENTS - ROUND 1	12/18/2025

**BUFFALO STREET IMPROVEMENTS
ZONE 6 - PART A**

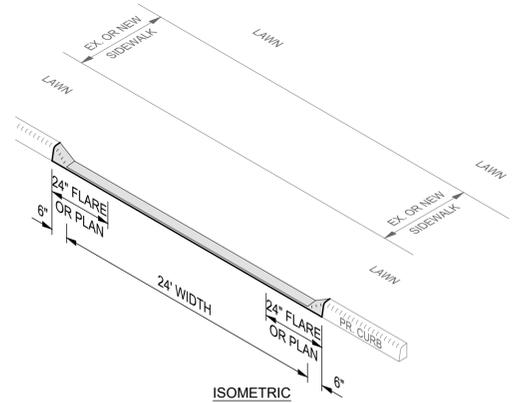
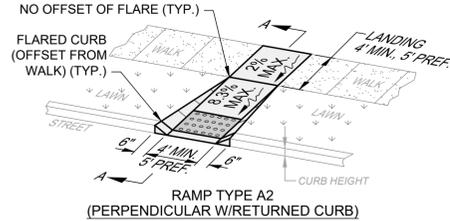
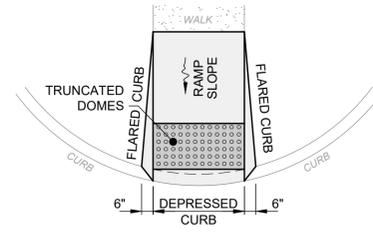
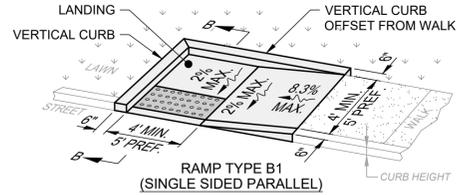
ASHTABULA COUNTY CONNEAUT, OHIO

ISSUED FOR:	BID
ISSUE DATE:	11/24/2025
SCALE:	AS SHOWN
DESIGNED BY:	LMM
DRAWN BY:	LMM
CHECKED BY:	SAACMK

**ROADWAY PLAN - 2
STA. 4+00 TO 7+85.65**

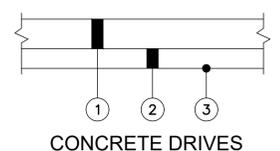
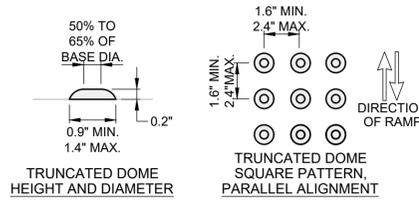
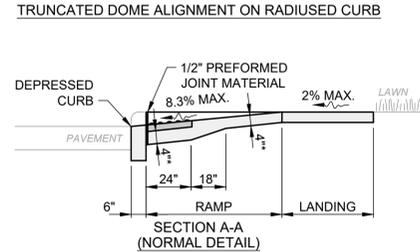
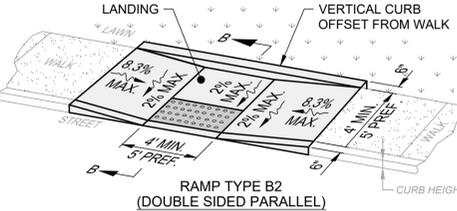
PROJECT NO.	36620
DISCIPLINE	CIVIL
SHEET NAME	C0-04
SHEET OF	14





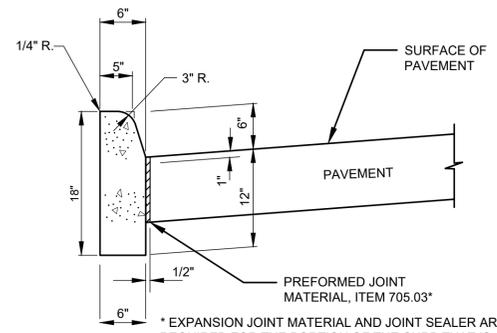
NOTES:
1. THE DROP CURB SHALL BE HAND FORMED AT THE TIME THE CONCRETE CURB IS POURED.

CURB CUT DETAIL
SCALE: NONE



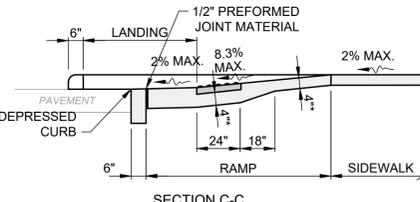
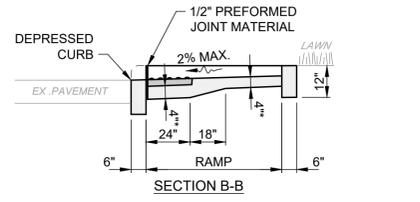
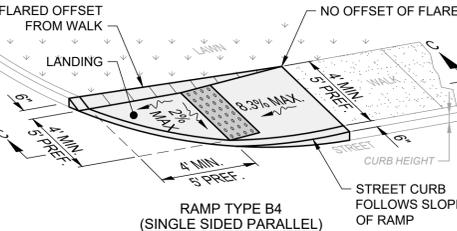
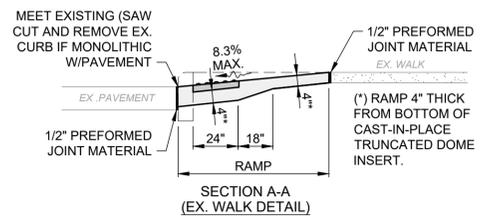
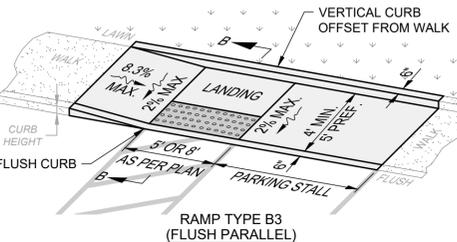
- ① ITEM 452 - 4" NON-REINFORCED CONCRETE PAVEMENT
- ② ITEM 304 - 4" AGGREGATE BASE (RESIDENTIAL)
- ③ ITEM 204 - SUBGRADE COMPACTION

DRIVEWAY REPLACEMENT DETAIL
SCALE: NONE



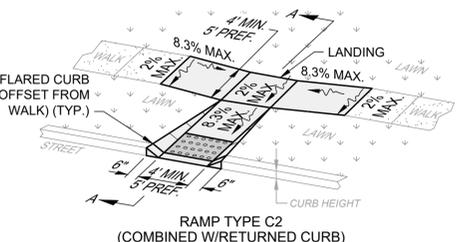
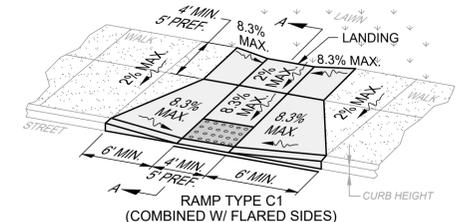
* EXPANSION JOINT MATERIAL AND JOINT SEALER ARE NOTE REQUIRED FOR THE PORTION OF THE CURB THAT IS ADJACENT TO A FLEXIBLE PAVEMENT TYPE. BOTH MATERIALS ARE REQUIRED, AS DETAILED, FOR THE FULL HEIGHT OF RIGID PAVEMENT AND CONCRETE BASES.

ODOT TYPE 6 CURB
SCALE: NONE

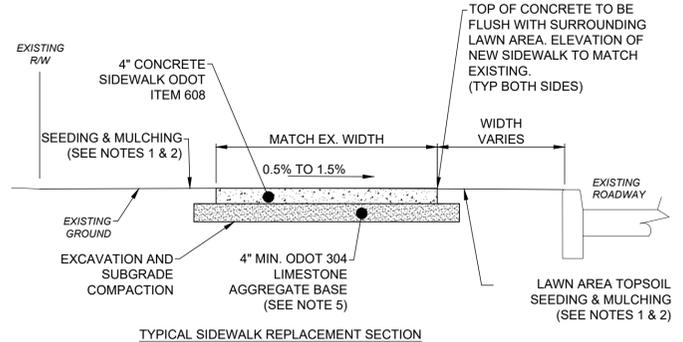


- NOTES:
- THIS DETAIL IS FOR REFERENCE ONLY; NOT ALL ITEMS MAY APPLY OR DIFFERENT CONFIGURATIONS MAY BE REQUIRED. SEE LAYOUT PLAN FOR RAMP TYPE, CONFIGURATION, DIMENSIONS AND DEPRESSED CURB LOCATION; GRADING PLAN FOR ELEVATIONS AND SLOPES; AND DETAIL SHEETS FOR APPLICABLE WALK AND CURB DETAILS.
 - LINES SHOWN IN THIS DETAIL INDICATE RAMP EDGES AND CHANGES IN SLOPE, AND NOT NECESSARILY JOINT LINES.
 - TEXTURE CONCRETE SURFACE BY COARSE BROOMING TRANSVERSE TO RAMP SLOPE.
 - ALL RAMPS SHALL BE POURED INTEGRAL WITH NEW CURBS WITH CURB EDGE FLUSH TO PAVEMENT.
 - TRUNCATED DOMES SHALL BE ALONG THE FULL RAMP WIDTH AND ALIGNED WITH THE PRIMARY RAMP DIRECTION.
 - TRUNCATED DOMES SHALL BE INSTALLED FLUSH WITH BACK OF CURB. IN SKEWED CONDITION, ONE CORNER OF THE STRIP MUST BE ADJACENT TO BACK OF CURB. TRUNCATED DOME MATERIALS SHALL BE MITERED AND PLACED SEGMENTALLY FOR NON-STANDARD LAYOUTS.
 - ONLY CAST-IN-PLACE TRUNCATED DOMES ARE ALLOWED.
 - TRUNCATED DOME COLOR SHALL BE BRIGHT RED, ORANGE RED OR FEDERAL YELLOW AND CONTRAST WITH CONCRETE.

ACCESSIBLE CURB RAMPS DETAIL
SCALE: NONE



- NOTES:
- ALL EXISTING LAWN AREAS DISTURBED SHALL BE RESTORED TO MATCH THE EXISTING CONDITIONS BY FILLING ANY DISTURBED AREAS WITH SCREENED, IMPORTED TOPSOIL TO BE FLUSH WITH THE EXISTING AND/OR PROPOSED CURB AND SIDEWALK. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS.
 - LAWN AREAS BETWEEN NEW OR EXISTING SIDEWALK BEHIND NEW CURB SHALL BE QUANTIFIED AND INCLUDED WITHIN THE BID ITEM COST FOR THE NEW CURB. ALL OTHER LAWN AREA RESTORATION AND LAWN AREAS BEHIND NEW SIDEWALK SHALL BE INCLUDED IN THE BID ITEM COST FOR SEEDING AND MULCHING.
 - THE CONTRACTOR SHALL INSTALL EXPANSION JOINT FILLER BETWEEN EXISTING SIDEWALK TO REMAIN IN PLACE AND NEW SIDEWALK INSTALLED AS PART OF THE PROJECT (PER ODOT 608.03). EXPANSION JOINT MATERIAL SHALL BE INSTALLED BETWEEN EXISTING RIGID DRIVEWAYS AND NEW SIDEWALK.
 - NEW CONCRETE WALK SHALL TIE-IN AND MATCH THE EXISTING ELEVATION OF EXISTING SIDEWALK, CURB RAMPS, DRIVEWAYS AND DRIVE APRONS, ETC. NEWLY INSTALLED WALK NOT PROPERLY MATCHING ELEVATIONS AS DEEMED BY THE ENGINEER OR OWNER SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. NO ADDITIONAL PAYMENT WILL BE MADE FOR TIME OR MATERIAL.
 - SURFACE OF SUBBASE TO BE UNIFORM AND FREE OF ANY UNDULATIONS OR FOREIGN MATERIAL PRIOR TO INSTALLATION OF 4" CONCRETE SIDEWALK.
 - CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE TO PREVENT PONDING WITHIN RIGHT-OF-WAY OR PRIVATE PROPERTY.



SIDEWALK REPLACEMENT DETAIL
NOT TO SCALE



NO	REVISION	DATE
01	PTI COMMENTS - ROUND 1	12/16/2025

**BUFFALO STREET IMPROVEMENTS
ZONE 6 - PART A**

ASHTABULA COUNTY

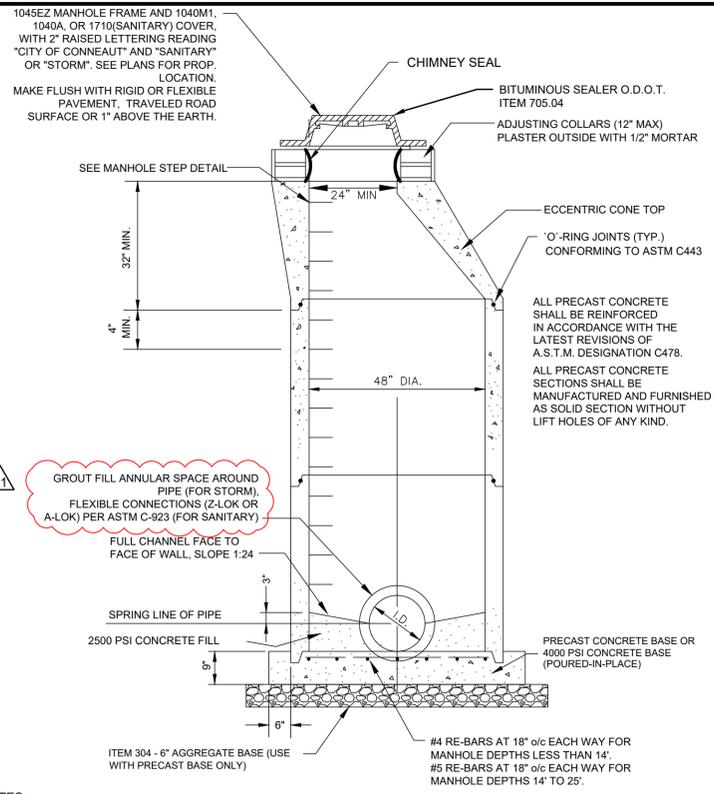
CONNEAUT, OHIO

ISSUED FOR:	BID
ISSUE DATE:	11/24/2025
SCALE:	AS SHOWN
DESIGNED BY:	LMM
DRAWN BY:	LMM
CHECKED BY:	SAA/CMK

CONSTRUCTION DETAIL - 1

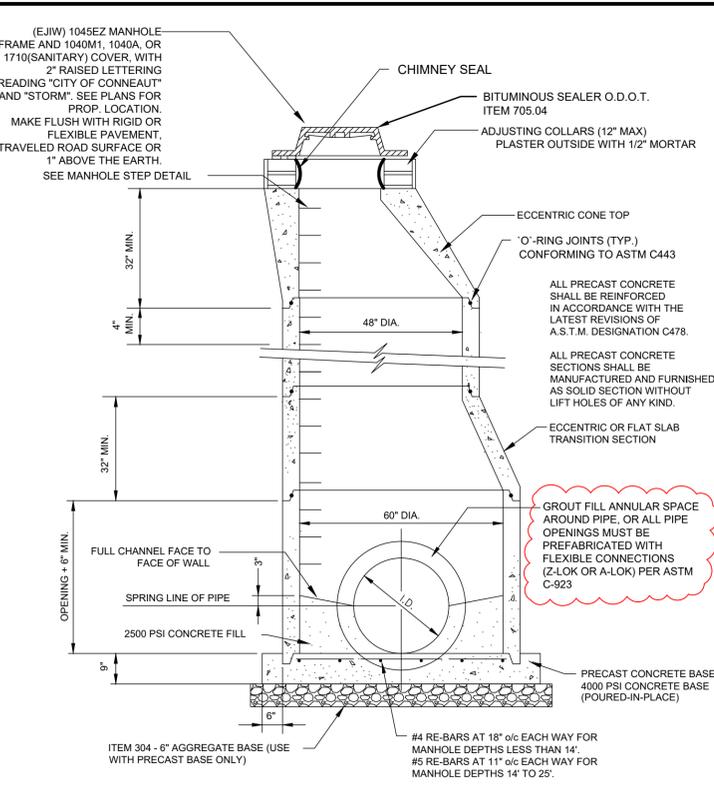
PROJECT NO.	36620
DISCIPLINE	CIVIL
SHEET NAME	C0-05
SHEET	14
OF	14



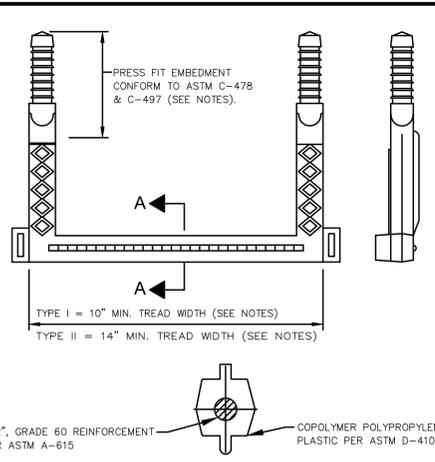


- NOTES:**
- STRUCTURE TO MEET H-20 LOADING.
 - PRE-CAST CONCRETE SECTIONS SHALL BE MANUFACTURED AND FURNISHED AS SOLID SECTIONS WITHOUT LIFT HOLES.
 - PRE-CAST CONCRETE SHALL BE REINFORCED PER ASTM C-478.
 - TOP, TRANSITION AND REDUCER SECTIONS MAY BE ECCENTRIC CONE, CONCENTRIC CONE OR FLAT SLAB.
 - MANHOLE BASE MUST BE PRECAST WITH BASE RISER (I.E. MONOLITHIC).
 - USE REINFORCED PLASTIC MANHOLE STEPS.
 - FIRST STEP SHALL NOT BE MORE THAN 2'-0" BELOW TOP OF FRAME. MAKE PROJECTION 3/16" IF IN 24" DIA. SECTION.

PRE-CAST CONCRETE MANHOLE (STM & SAN) DETAIL

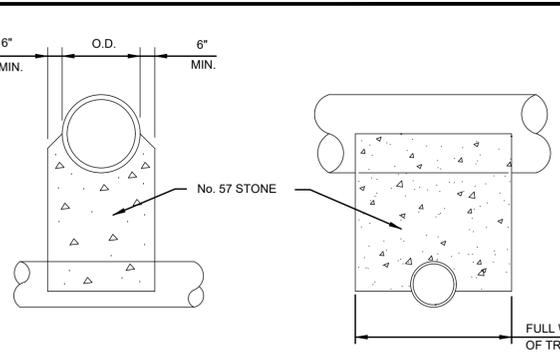


TYPE "B" ECCENTRIC STORM SEWER MANHOLE



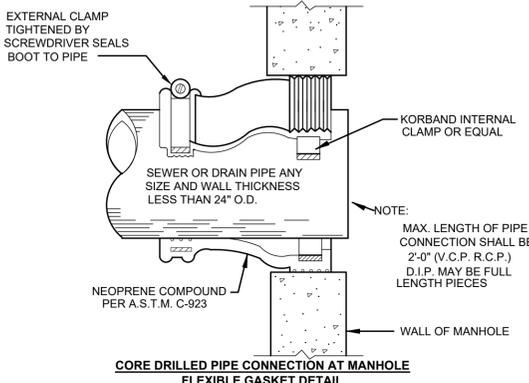
- NOTES:**
- USE TYPE I STEP FOR MANHOLES OR CIRCULAR STRUCTURES OF 5'-0" DIA. OR LESS - USE 16" C/C SPACING.
 - USE TYPE II STEP FOR FLAT WALL STRUCTURES SUCH AS VAULTS, WELLS, ETC. OR CIRCULAR STRUCTURES OVER 5'-0" DIA. - USE 12" C/C SPACING.
 - MOUNTING REQUIREMENTS SHALL BE IN ACCORDANCE WITH MFR'S RECOMMENDATIONS

TYPICAL MANHOLE STEP DETAIL

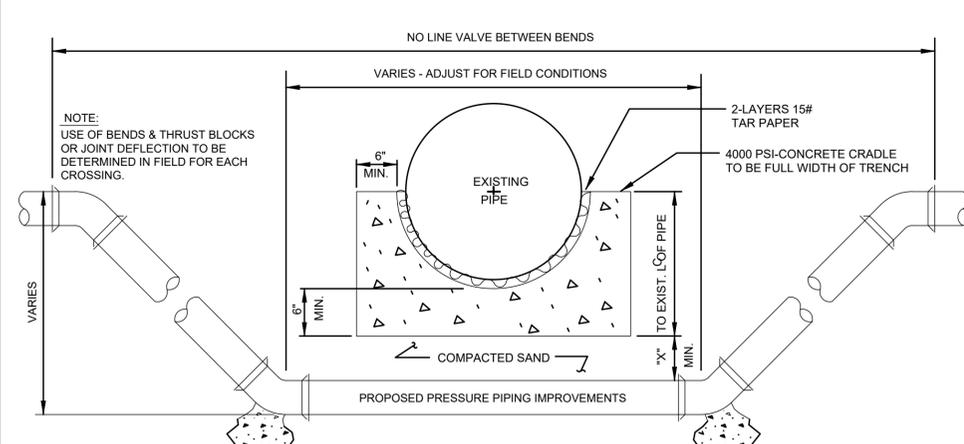


NOTES:
UNLESS OTHERWISE DIRECTED BY THE ENGINEER, WHERE TWO PIPES (SEWER & WATER) CROSS EACH OTHER, GRANULAR BACKFILL SHALL BE TAMPED IN 6" LAYERS AROUND BOTH PIPES, SUCH TAMPED BACKFILL SHALL BE CONTINUOUS FROM THE CRADLE OF THE LOWER PIPE TO THE TOP OF THE UPPER PIPE AND AT THE BOTTOM SHALL EXTEND IN BOTH DIRECTIONS, FOR THE FULL WIDTH OF THE TRENCH.

PIPE CROSSING DETAIL

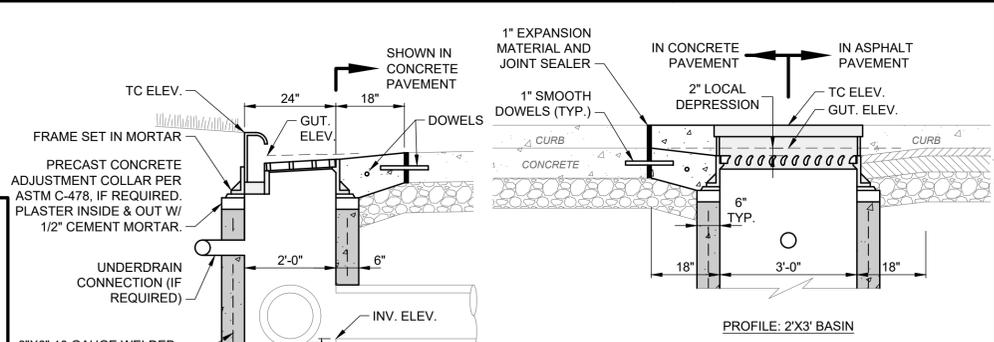


CORE DRILLED PIPE CONNECTION AT MANHOLE FLEXIBLE GASKET DETAIL



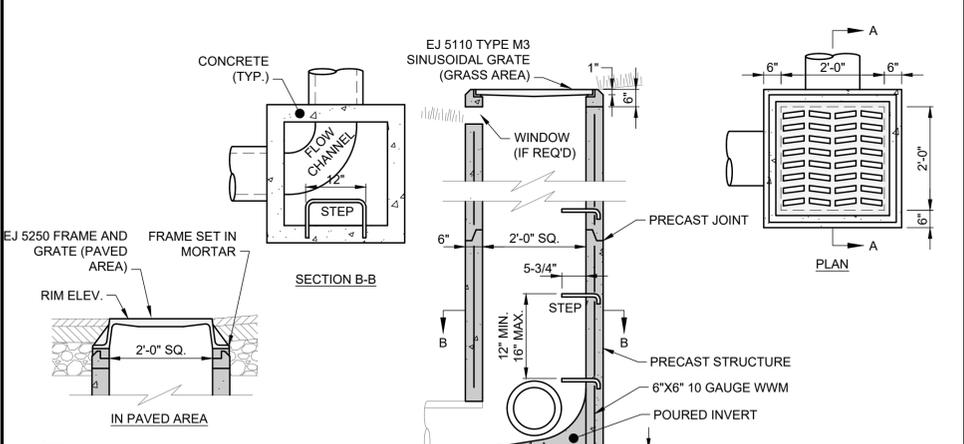
- CONCRETE CRADLE CONDITIONS**
- IF SANITARY OR STORM SEWER PIPE JOINT IS WITHIN PROPOSED IMPROVEMENT TRENCH LIMITS
 - IF CROSSING A WATER LINE AT ANY POINT
 - IF CROSSING SPACE IS LESS THAN MIN. SPACE OF CRADLE BELOW PIPE BOTTOM PLUS "X" DIMENSION THEN OMIT SAND FILL AND USE CONCRETE
- "X" DIMENSION REQUIREMENTS:**
- 6" FOR WATER LINE CROSSING (ALSO FOR GAS & O.B.T. LINES W/NO CRADLE NEEDED)
 - 18" FOR SANITARY OR STORM SEWER PIPE
 - IF CROSSING SPACE IS MORE THAN MIN. SPACE OF CRADLE BELOW PIPE BOTTOM PLUS AFOREMENTIONED "X" DIMENSION THEN EXTEND "X" DIMENSION TO MAKE UP DIFFERENCE.

PIPE LOWERING DETAIL



- NOTES:**
- ALL CONCRETE SHALL BE ODOT ITEM 499, CLASS QC-1.
 - STRUCTURE SHALL MEET H-20 LOADING.
 - PRECAST CONCRETE STRUCTURE AND REINFORCEMENT SHALL CONFORM TO ASTM C-913.
 - INSTALL STEPS IF STRUCTURE IS MORE THAN 4' DEEP (NOT SHOWN FOR CLARITY). USE REINFORCED PLASTIC MANHOLE STEPS. FIRST STEP SHALL NOT BE MORE THAN 2'-0" BELOW TOP OF FRAME.
 - PRECAST KNOCKOUT SIDES FOR CURB DRAIN AND PIPE CONNECTION HOLES, AS REQUIRED. PIPE OPENINGS SHALL BE O.D. OF PIPE PLUS 2", AND INTERSTITIAL SPACE FILLED WITH GROUT OR ALL PIPE OPENINGS MUST BE PREFABRICATED WITH FLEXIBLE CONNECTIONS (Z-LOK OR A-LOK) PER ASTM C-923.
 - GRADE ADJUSTMENT BY PRE-CAST CONCRETE ADJUSTING COLLAR OR MAX. 2 COURSES ASTM C-32 BRICK MASONRY SET IN MORTAR.
 - IF TOP SECTION IS A SEPARATE CAST PIECE, 1/2"Ø X 6" L DOWELS SHALL BE USED AT EACH CORNER TO ATTACH THE TOP TO THE BOTTOM SECTIONS OF BASIN.
 - FRAME AND GRATE SHALL BE EJ 7030 WITH TYPE M6 VANE GRATE AND T1 BACK FOR 2'X3' OR 3'X3' BASIN, AND EJ 7031 WITH TYPE M6 VANE GRATE AND T1 BACK FOR 2'X6' OR 3'X6' BASIN; OR PER PLAN.
 - ALL GRATES SHALL INCLUDE LETTERING "DUMP NO WASTE" AND FISH IMAGE.
 - BASIN SHALL INCLUDE SUMP IF REQUIRED PER PLAN.
 - THIS DETAIL IS FOR REFERENCE AND DIMENSION CONTROL ONLY; SEE UTILITY PLAN FOR ACTUAL SIZES.

2'X3' CURB INLET BASIN DETAIL



- NOTES:**
- ALL CONCRETE SHALL BE ODOT ITEM 499, CLASS QC-1.
 - STRUCTURE SHALL MEET H-20 LOADING.
 - INSTALL STEPS IF STRUCTURE IS MORE THAN 4' DEEP.
 - PRECAST KNOCKOUT SIDES FOR CURB DRAIN, PIPE CONNECTION HOLES AND WINDOWS, AS REQUIRED. PIPE OPENINGS SHALL BE O.D. OF PIPE PLUS 2", AND INTERSTITIAL SPACE FILLED WITH GROUT.
 - GRADE ADJUSTMENT BY PRE-CAST CONCRETE ADJUSTING COLLAR OR MAX. 2 COURSES ASTM C-32 BRICK MASONRY SET IN MORTAR.
 - GRATE MUST INCLUDE LETTERING "DUMP NO WASTE" AND FISH IMAGE.
 - BASIN SHALL INCLUDE SUMP IF REQUIRED PER PLAN.
 - THIS DETAIL IS FOR REFERENCE AND DIMENSION CONTROL ONLY; SEE UTILITY PLAN FOR ACTUAL SIZES.

INLET BASIN DETAIL (CONCRETE 2'X2')



NO	REVISION	DATE
01	PTI COMMENTS - ROUND 1	12/18/2025

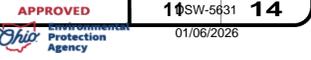
BUFFALO STREET IMPROVEMENTS ZONE 6 - PART A

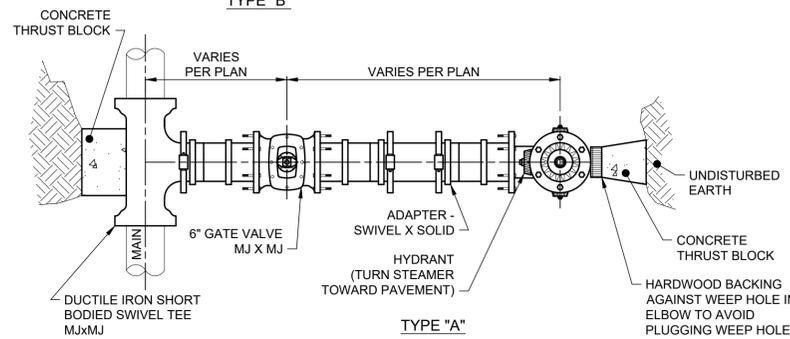
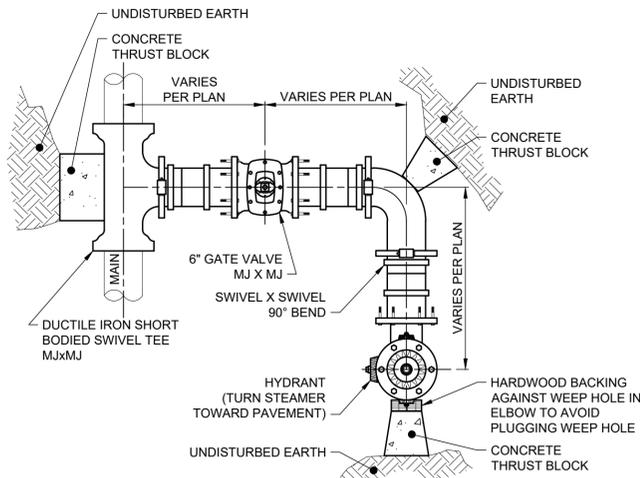
ASHTABULA COUNTY CONNEAUT, OHIO

ISSUED FOR:	BID
ISSUE DATE:	11/24/2025
SCALE:	AS SHOWN
DESIGNED BY:	LMM
DRAWN BY:	LMM
CHECKED BY:	SAAC/CMK

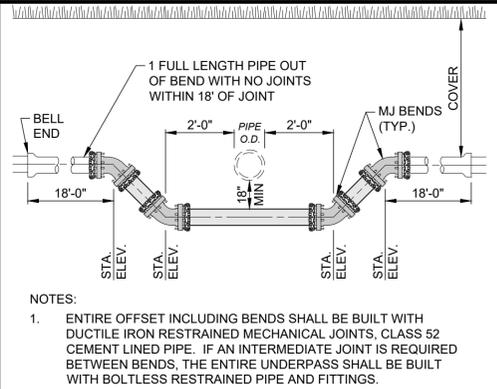
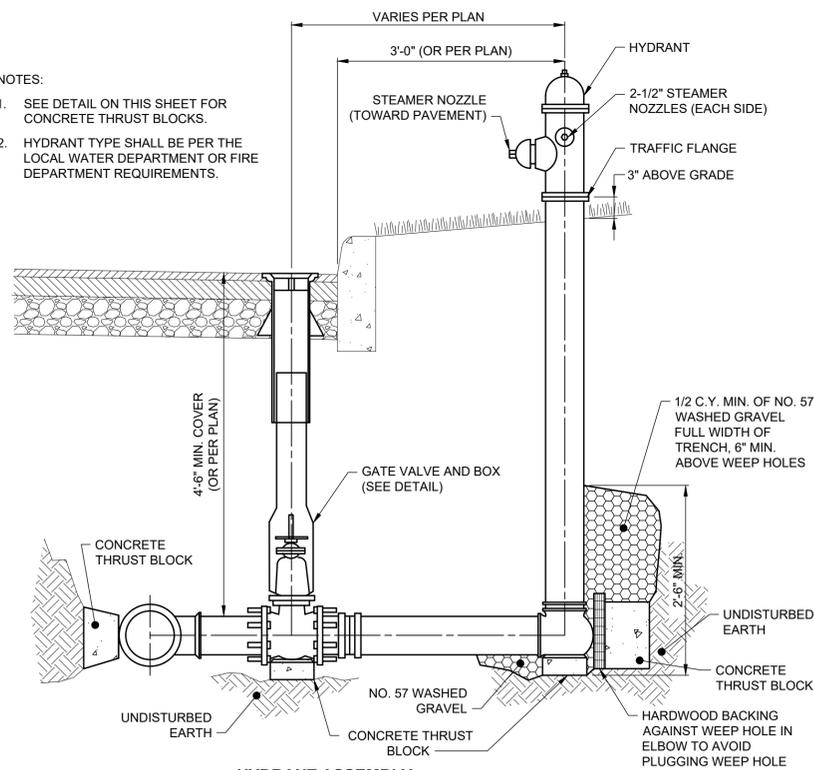
CONSTRUCTION DETAIL - 2

PROJECT NO.	36620
DISCIPLINE	CIVIL
SHEET NAME	C0-06
SHEET	OF
11	14



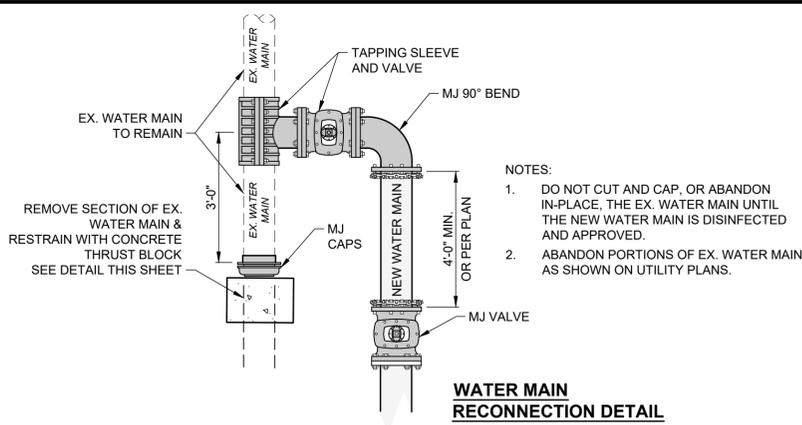


- NOTES:
- SEE DETAIL ON THIS SHEET FOR CONCRETE THRUST BLOCKS.
 - HYDRANT TYPE SHALL BE PER THE LOCAL WATER DEPARTMENT OR FIRE DEPARTMENT REQUIREMENTS.

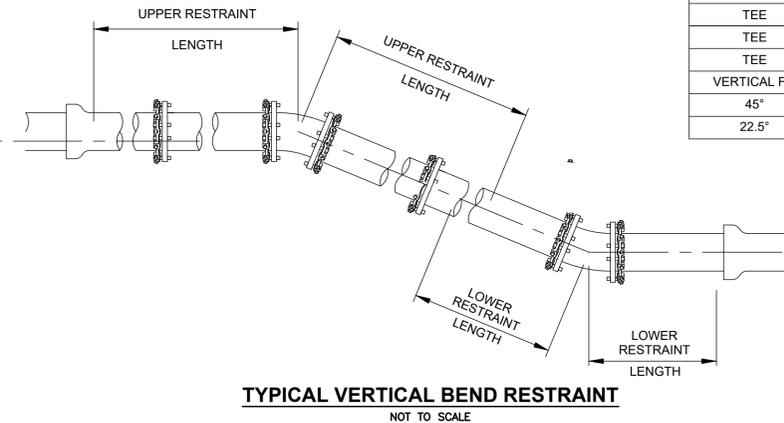
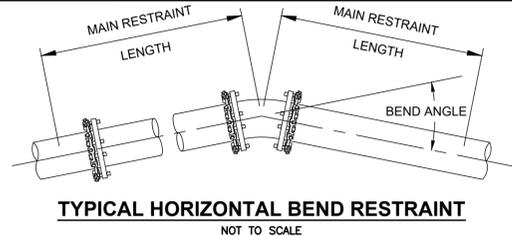
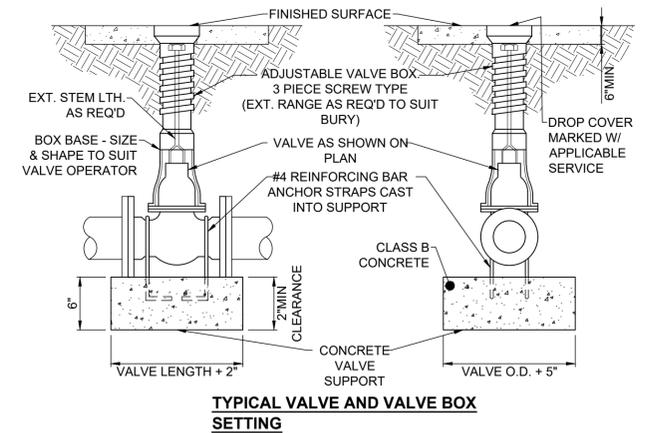


NOTES:

- ENTIRE OFFSET INCLUDING BENDS SHALL BE BUILT WITH DUCTILE IRON RESTRAINED MECHANICAL JOINTS, CLASS 52 CEMENT LINED PIPE. IF AN INTERMEDIATE JOINT IS REQUIRED BETWEEN BENDS, THE ENTIRE UNDERPASS SHALL BE BUILT WITH BOLTLESS RESTRAINED PIPE AND FITTINGS.

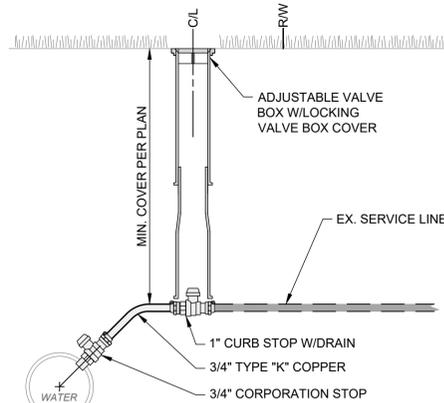
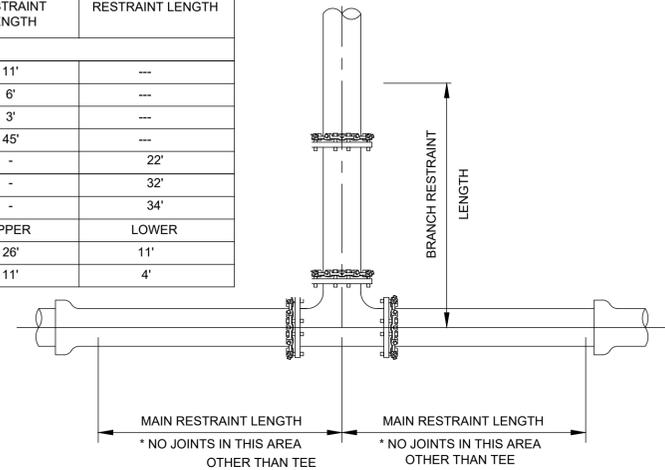


- NOTES:
- DO NOT CUT AND CAP, OR ABANDON IN-PLACE, THE EX. WATER MAIN UNTIL THE NEW WATER MAIN IS DISINFECTED AND APPROVED.
 - ABANDON PORTIONS OF EX. WATER MAIN AS SHOWN ON UTILITY PLANS.



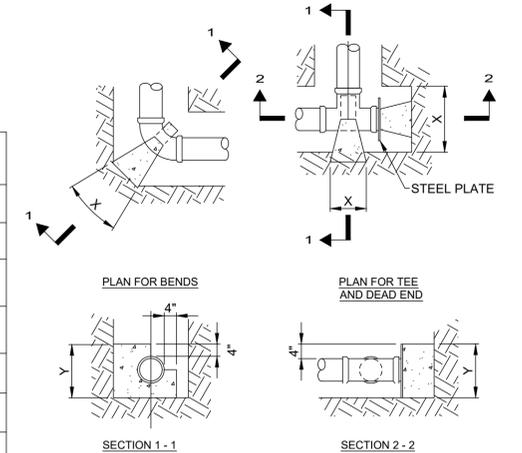
THRUST RESTRAINT TABLE FOR STANDARD FITTINGS

FITTING	SIZE	MINIMUM MAIN RESTRAINT LENGTH	MINIMUM BRANCH RESTRAINT LENGTH
HORIZONTAL FITTINGS			
45° BEND	8"	11'	---
22.5° BEND	8"	6'	---
11.25° BEND	8"	3'	---
DEAD END	8"	45'	---
TEE	12"x6"	-	22'
TEE	12"x8"	-	32'
TEE	8"x8"	-	34'
VERTICAL FITTINGS		UPPER	LOWER
45°	8"	26'	11'
22.5°	8"	11'	4'



- NOTES:
- THIS DETAIL SHOWS A 3/4"Ø WATER SERVICE FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ACTUAL EX. SIZE.

PIPE SIZE	22-1/2° BEND SOIL BEARING CAPACITY			45° BEND SOIL BEARING CAPACITY		
	1,000 P.S.F.	3,000 P.S.F.	5,000 P.S.F.	1,000 P.S.F.	3,000 P.S.F.	5,000 P.S.F.
10	7.90	2.63	1.96	15.70	5.23	3.14
	0.53	0.34	0.22	0.34	0.20	0.13
12	11.30	3.76	2.26	22.30	7.43	4.46
	0.62	0.40	0.26	0.75	0.49	0.32
PIPE SIZE	90° BEND SOIL BEARING CAPACITY			TEE OR DEAD END SOIL BEARING CAPACITY		
	1,000 P.S.F.	3,000 P.S.F.	5,000 P.S.F.	1,000 P.S.F.	3,000 P.S.F.	5,000 P.S.F.
10	28.90	9.60	5.76	20.40	6.80	4.06
	0.54	0.35	0.23	0.38	0.25	0.16
12	41.10	13.70	8.22	29.10	9.70	5.82
	1.31	0.85	0.55	0.97	0.63	0.42



- NOTE:
- ALL CONCRETE BLOCKING MUST HAVE ITS ENTIRE FACE (X & Y) BEARING SURFACE AGAINST UNDISTURBED SOIL AND ALL VERTICAL NON-BEARING SURFACES SHALL BE FORMED SO AS TO KEEP CONCRETE FROM JOINTS. BLOCKING DESIGN BASED ON COMBINED WORKING PRESSURE PLUS WATER HAMMER OF 240 PSI AND FOR BEARING CAPACITY FOR SAND - 1000 PSF, SAND AND GRAVEL - 3000 PSF, SHALE - 5000 PSF.



NO	REVISION	DATE
01	PTI COMMENTS - ROUND 1	12/16/2025

BUFFALO STREET IMPROVEMENTS ZONE 6 - PART A

ASHTABULA COUNTY

CONNEAUT, OHIO

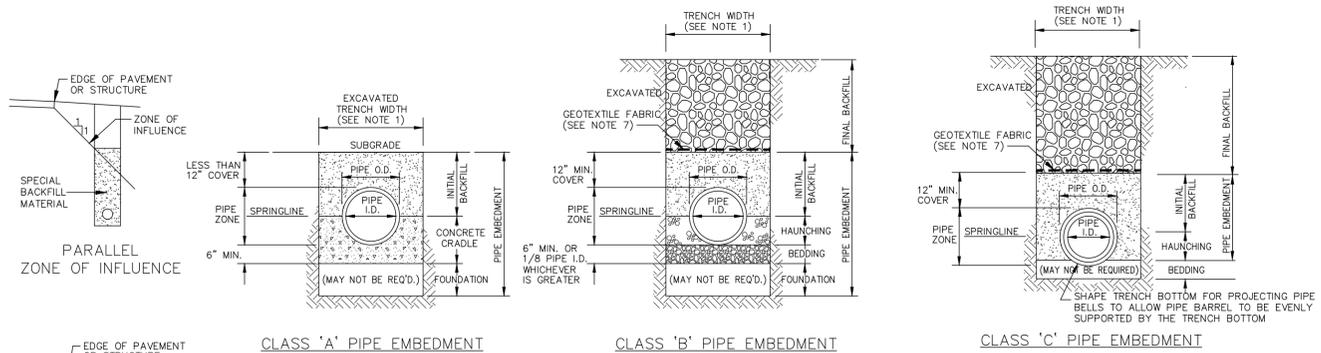
ISSUED FOR: BID
 ISSUE DATE: 11/24/2025
 SCALE: AS SHOWN
 DESIGNED BY: LMM
 DRAWN BY: LMM
 CHECKED BY: SAA/CMK

CONSTRUCTION DETAIL - 3



PROJECT NO.	36620
DISCIPLINE	CIVIL
SHEET NAME	C0-07
SHEET	OF
12SW-5631	14

01/06/2026

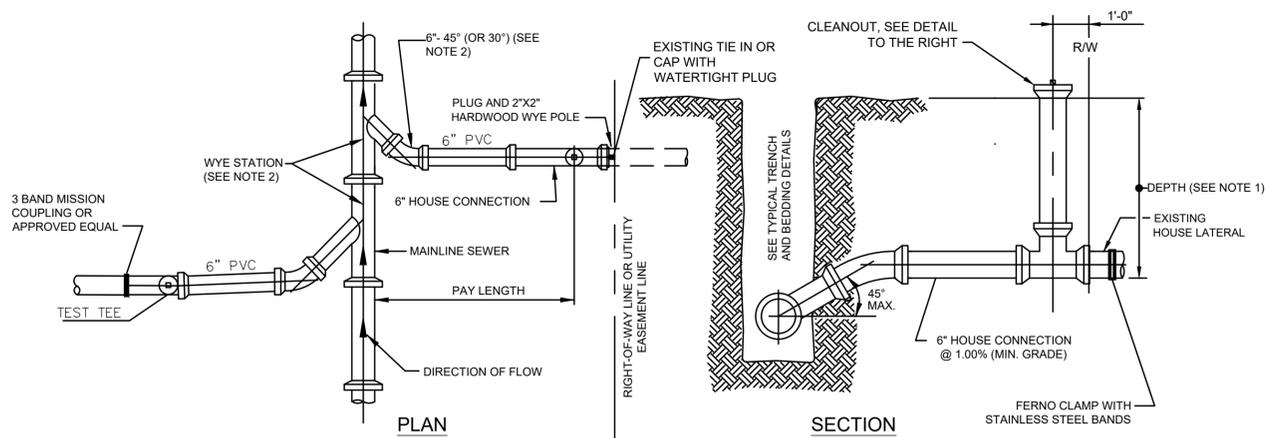


CLASS 'A' PIPE EMBEDMENT NOTES:

- MAXIMUM EXCAVATED TRENCH WIDTH: THE MAXIMUM EXCAVATED TRENCH WIDTH FROM THE BOTTOM OF THE TRENCH TO 12" OVER THE TOP OF THE PIPE (WITHIN PIPE EMBEDMENT) SHALL BE O.D. + 24" FOR ALL PIPES UP TO AND INCLUDING 24" I.D. + 30" FOR PIPE FROM 24" I.D. TO 54" I.D. AND O.D. + 48" FOR PIPES SIZES 60" I.D. AND OVER.
- FOUNDATION: WHERE AN UNSTABLE TRENCH BOTTOM CONDITION IS ENCOUNTERED, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH MATERIAL AS DIRECTED BY THE ENGINEER.
- PIPE EMBEDMENT:
 CLASS A: CLASS A PIPE EMBEDMENT SHALL BE USED FOR ALL PIPING UNDER PAVEMENT OR STRUCTURES WITH LESS THAN 12 INCHES OF PIPE COVER TO THE SUBGRADE. THE CONCRETE CRADLE SHALL BE IN ACCORDANCE WITH ODOT ITEM 499, CLASS "C". THE INITIAL BACKFILL SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.
 CLASS B: CLASS B PIPE EMBEDMENT SHALL BE USED FOR ALL PIPING UNLESS OTHERWISE NOTED ON THE PLANS OR AUTHORIZED BY THE ENGINEER. THE BEDDING AND HAUNCHING SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT. IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE AASHTO NO. 57 OR NO. 67 STONE GRANULAR PIPE EMBEDMENT. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER FOR ONLY REINFORCED CONCRETE PIPE AND DUCTILE IRON PIPE. THE INITIAL BACKFILL FOR ALL OTHER PIPES SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.
 CLASS C: CLASS C PIPE EMBEDMENT SHALL ONLY BE USED FOR DUCTILE IRON WATER MAIN, DUCTILE IRON FORCE MAINS OR AS AUTHORIZED BY THE ENGINEER. THE PIPE EMBEDMENT SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE. WHERE ROCK OR SHALE IS ENCOUNTERED, A MINIMUM 6-INCHES OF AASHTO NO. 57 OR NO. 67 GRANULAR PIPE BEDDING OR SAND BEDDING SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
- FINAL BACKFILL: IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE THE FINAL BACKFILL SHALL BE SPECIAL BACKFILL MATERIAL. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE FINAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER.
- SPECIFICATIONS: ALL TRENCHING, PIPE EMBEDMENT AND BACKFILL MATERIALS SHALL BE IN ACCORDANCE WITH SPECIFICATION 02234CT & 02235CT.
- CLAY TRENCH DAMS: CLAY TRENCH DAMS SHALL BE REQUIRED AS SHOWN ON PLANS OR WHEN AND WHERE NECESSARY AS DIRECTED BY THE ENGINEER.
- GEOTEXTILE FABRIC: INSTALL A GEOTEXTILE FABRIC IN ACCORDANCE WITH ODOT 712.09, TYPE A, AFTER ALL INITIAL BACKFILL CONSISTING OF AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.
- DETECTOR TAPE: IF REQUIRED IN THE SPECIFICATIONS, INSTALL DETECTABLE WARNING TAPE ABOVE UTILITIES, 12" BELOW FINISHED GRADE, EXCEPT 6 INCHES BELOW SUBGRADE UNDER PAVEMENT AND SLABS.

TRENCHING, EMBEDMENT, AND BACKFILL DETAIL

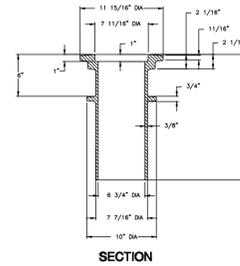
6/04 NOT TO SCALE SD-1-1



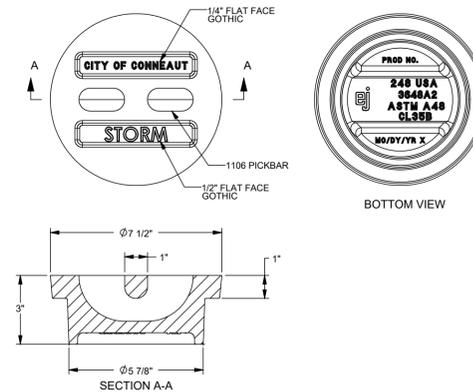
- NOTES:**
- SEWER LATERALS ARE TO BE INSTALLED AT A MINIMUM SLOPE OF 1%. LATERAL BURIED DEPTH AT THE R/W LINE SHALL BE 10' DEEP, EXCEPT WHEN PROHIBITED BY THE SEWER MAIN LINE SEWER DEPTH. ALL EXCEPTIONS SHALL BE APPROVED BY THE CITY PRIOR TO INSTALLATION.
 - WYES ONLY ARE TO BE PROVIDED FOR ALL SANITARY & STORM CONNECTIONS TO THE MAINLINE SEWERS. USE 45° OR 30° ELL AS REQUIRED TO REDIRECT LATERALS PERPENDICULAR TO MAINLINE SEWER.
 - CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING LATERAL CONNECTIONS PRIOR TO INSTALLATION OF NEW LATERAL CONNECTIONS.
 - PROVIDE THREADED, WATERTIGHT, PLASTIC CAP WITH 3/4" STEEL BOLT EMBEDDED IN THE CAP. TOP OF CAP TO BE 6" BELOW FINISHED GROUND GRADE. ALL TEST TEES INSTALLED IN ASPHALT, STONE, OR CONCRETE SHALL BE INSTALLED FLUSH WITH THE EXISTING GRADE.

SEWER LATERAL DETAIL

3648Z2 Valve Box Frame

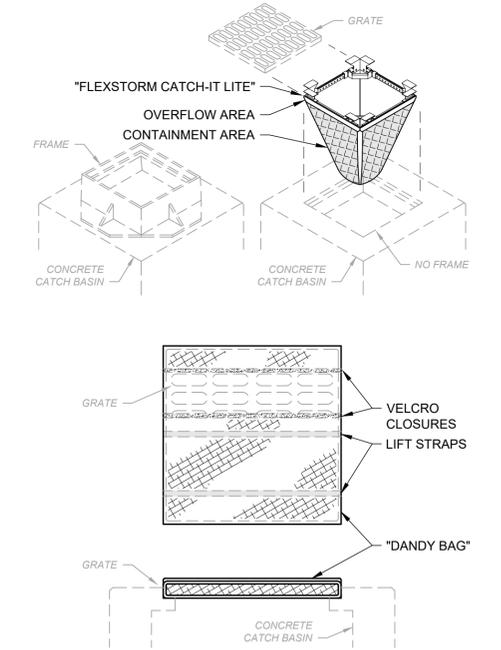
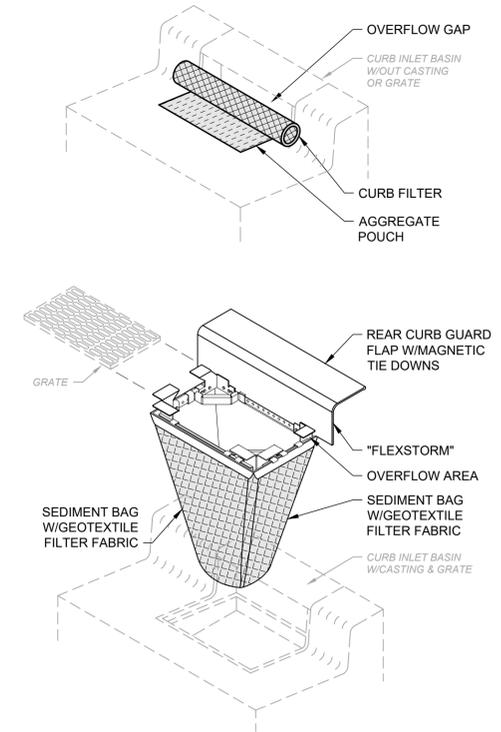


3648A2 Valve Box Cover



EJ GROUP SANITARY CLEANOUT BOX FRAME AND BOX COVER DETAILS

SCALE: NONE



- NOTES:**
- ALL NEW AND EXISTING STORM INLET BASINS WITHIN THE WORK LIMITS SHALL HAVE INLET PROTECTION INSTALLED.
 - INLET PROTECTION SHALL BE INSTALLED AS EACH STORM INLET IS CONSTRUCTED.
 - NOT ALL ITEMS SHOWN MAY APPLY OR DIFFERENT TYPES OR CONFIGURATIONS MAY BE REQUIRED. THE CONTRACTOR SHALL MEASURE EACH INLET TO CONFIGURE AND ASSEMBLE CUSTOMIZED INLET FILTERS.

INLET PROTECTION DETAIL

SCALE: NONE



NO	REVISION	DATE
01	PTI COMMENTS - ROUND 1	12/16/2025

BUFFALO STREET IMPROVEMENTS ZONE 6 - PART A

ASHTABULA COUNTY

CONNEAUT, OHIO

ISSUED FOR:	BID
ISSUE DATE:	11/24/2025
SCALE:	AS SHOWN
DESIGNED BY:	LMM
DRAWN BY:	LMM
CHECKED BY:	SAA/CMK

CONSTRUCTION DETAIL - 4

PROJECT NO.	36620
DISCIPLINE	CIVIL
SHEET NAME	C0-08
SHEET	OF
13	14



APPROVED
 01/06/2026

- SUBSOILING SHALL OCCUR WHEN SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING IS NOT PERMITTED ON SLIP-PRONE AREAS.
- THE SEED BED SHALL BE PREPARED BY APPLYING AGRICULTURAL GROUND LIMESTONE OR FERTILIZER AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, APPLY LIME AT 2 TONS/AC. OR FERTILIZER AT 500 LB/AC. OF 10-10-10 OR 12-12-12 ANALYSIS. LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL TO A DEPTH OF 3".
- APPLY SEED UNIFORMLY ON FIRM, MOIST SEED BED BETWEEN MARCH 1 AND MAY 31 OR AUGUST 1 AND SEPTEMBER 30. TILLAGE FOR SEEDBED PREPARATION SHALL OCCUR WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND. SEEDING SHOULD NOT BE APPLIED BETWEEN OCTOBER 1 AND NOVEMBER 20 BECAUSE SEEDS MAY GERMINATE, BUT WILL NOT SURVIVE THE WINTER. IF SEEDING MUST OCCUR, INCREASE THE SEEDING RATE BY 50% AND ANCHOR. APPLY ADDITIONAL MULCH AND IRRIGATION AS REQUIRED TO ENSURE GERMINATION.
- MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING.
- SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY OR HOT WEATHER OR ON ADVERSE SITE CONDITIONS.
- SEEDING SHALL NOT BE CONSIDERED ESTABLISHED FOR AT LEAST 1 FULL YEAR FROM THE TIME OF SEEDING. DURING THIS PERIOD INSPECT FOR SOIL EROSION OR VEGETATION LOSS AND REPAIR BARE OR SPARSE AREAS, FILL GULLIES, RE-FERTILIZE, RE-SEED AND RE-MULCH AS NEEDED.
- ADEQUATE PERMANENT VEGETATION SHALL BE GROUND COVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE BASED ON VISUAL INSPECTION.

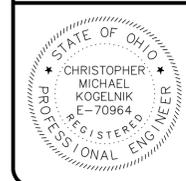
PERMANENT SEEDING FERTILIZATION AND MOWING CHART				
MIXTURE	FORMULA	LB/AC.	TIME	MOW
CREEPING RED FESCUE DOMESTIC RYEGRASS KENTUCKY BLUEGRASS	10-10-10	500	FALL, YEARLY, OR AS NEEDED	≥3"
TALL FESCUE	10-10-10	500		≥4"
TURF-TYPE FESCUE	10-10-10	500		
CROWN VETCH FESCUE	0-20-20	400	SPRING, AND YEARLY AFTER ESTABLISHED	DO NOT MOW
FLAT PEA FESCUE	0-20-20	400		

PERMANENT SEEDING SPECIES SELECTION		
SEED MIX	SEED RATE LB/AC.	NOTES:
GENERAL USE		
CREEPING RED FESCUE	20 - 40	FOR CLOSE MOWING AND WATERWAYS WITH <2.0 FT./SEC. VELOCITY
DOMESTIC RYEGRASS	10 - 20	
KENTUCKY BLUEGRASS	20 - 40	
TALL FESCUE	40 - 50	
TURF-TYPE FESCUE	90	
STEEP BANKS OR CUT SLOPES		
TALL FESCUE	40 - 50	
CROWN VETCH TALL FESCUE	10 - 20 20 - 30	DO NOT SEED LATER THAN AUGUST
FLAT PEA TALL FESCUE	20 - 25 20 - 30	DO NOT SEED LATER THAN AUGUST
ROAD DITCHES AND SWALES		
TALL FESCUE	40 - 50	
TURF-TYPE FESCUE KENTUCKY BLUEGRASS	90 5	
LAWN		
KENTUCKY BLUEGRASS PERENNIAL RYEGRASS	100 - 120 100 - 120	
KENTUCKY BLUEGRASS CREEPING RED FESCUE	100 - 120 100 - 120	FOR SHADED AREAS

- MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:
 - UNROTTED SMALL GRAIN STRAW SPREAD UNIFORMLY AT 2 TONS/AC. (2 TO 3 BALES).
 - WOOD-CELLULOSE FIBER (I.E. HYDROSEEDING) APPLIED AT 1 TON/AC.
 - ROLLED EROSION CONTROL PRODUCT OR MULCH MATTING APPLIED PER MANUFACTURER RECOMMENDATION.
 - WOOD MULCH OR CHIPS APPLIED AT 6 TONS/AC.
- MULCH SHALL BE ANCHORED IMMEDIATELY BY ONE OF THE FOLLOWING METHODS:
 - PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL USING A DISK, CRIMPER OR SIMILAR TOOL.
 - NETTING PER MANUFACTURER RECOMMENDATION IN CONCENTRATED RUNOFF AREAS OR CRITICAL SLOPES.
 - SYNTHETIC BINDERS AT MANUFACTURER RATE.
 - WOOD-CELLULOSE FIBER BINDER AT A NET DRY WEIGHT OF 750 LB/AC., MIXED WITH WATER, AND CONTAIN 50 LB/100 GAL. MAX. OF WOOD CELLULOSE FIBER.

MULCHING NOTES

PERMANENT SEEDING NOTES



NO	REVISION	DATE
01	PTI COMMENTS - ROUND 1	12/18/2025

**BUFFALO STREET IMPROVEMENTS
ZONE 6 - PART A**

ASHTABULA COUNTY CONNEAUT, OHIO

ISSUED FOR:	BID
ISSUE DATE:	11/24/2025
SCALE:	AS SHOWN
DESIGNED BY:	LMM
DRAWN BY:	LMM
CHECKED BY:	SAA/CMK

CONSTRUCTION DETAIL - 5

PROJECT NO.	36620
DISCIPLINE	CIVIL
SHEET NAME	C0-09
SHEET	OF
14 SW-5631	14



01/06/2026



DATE	1/17/2026
REVISION	PTI REVISION - 1
NO	01
ISSUED FOR:	90% REVIEW
ISSUE DATE:	11/3/2025
SCALE:	AS SHOWN
DESIGNED BY:	C.BARRY
DRAWN BY:	C.BARRY
CHECKED BY:	C.KOGLINIK

PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT -

GENERAL NOTES & LEGEND

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	NOTES
SHEET	2
OF	41

GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE LATEST EDITION OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS, AND THE CITY OF CONNEAUT SPECIFICATIONS.
- THERE SHALL BE NO DEVIATION FROM THE APPROVED PLANS WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER OR THEIR REPRESENTATIVE. ANY DEVIATION FROM THESE PLANS WITHOUT PRIOR WRITTEN APPROVAL SHALL BE AT THE CONTRACTOR'S RISK AND EXPENSE.
- THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A TESTING AGENCY FOR ALL REQUIRED TESTING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT STAKING INCLUDING HORIZONTAL AND VERTICAL CONTROL. ANY DISCREPANCIES DISCOVERED IN THE PLAN INFORMATION, OR BETWEEN THE PLAN AND ELECTRONIC DATA SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE DESIGN ENGINEER SO THE APPROPRIATE ADJUSTMENTS MAY BE MADE.
- ALL WORK SHALL BE LIMITED TO THE PROPERTIES AND EASEMENTS IDENTIFIED ON THE PLANS. ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO INSPECTIONS AND ENCROACHMENT PERMITS FROM THE JURISDICTION HAVING AUTHORITY OVER THE RIGHT-OF-WAY. REQUIREMENTS OF SUCH PERMITS ARE INCORPORATED INTO THESE DOCUMENTS BY REFERENCE.
- ANY DEFECTS IN CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP, SHALL BE REPLACED OR CORRECTED BY THE CONTRACTOR BY REMOVAL AND REPLACEMENT OR OTHER APPROVED METHOD PRIOR TO ACCEPTANCE BY THE OWNER WITH NO ADDITIONAL COMPENSATION.
- CONTRACTOR SHALL SUBMIT A PLAN OF OPERATIONS FOR REVIEW AND APPROVAL BY THE ARCHITECT THAT WILL INDICATE EQUIPMENT STAGING AREAS, STOCKPILE LOCATION AND SANITATION FACILITIES.
- RIGHT-OF-WAY AND PROPERTY LINES SHOWN ARE PLOTTED FROM ASHTABULA COUNTY G.I.S. MAPPING AND ARE APPROXIMATE AND NOT THE RESULT OF A FIELD BOUNDARY SURVEY.
- ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.
- NO CONSTRUCTION SHALL COMMENCE UNTIL ALL ASHTABULA COUNTY AND THE CITY OF CONNEAUT PERMITS HAVE BEEN ISSUED AS REQUIRED.
- APPROPRIATE BARRICADES, WARNING LIGHTS, SIGNS, FENCING ETC. SHALL BE ERRECTED AROUND THE CONSTRUCTION AREA DURING NON-WORKING HOURS TO ALERT PERSONS OF THE POTENTIAL DANGER ASSOCIATED WITH THE AREA UNDER CONSTRUCTION AS WELL AS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE SAFETY OF THE GENERAL PUBLIC AS WELL AS ALL CONSTRUCTION PERSONNEL.
- ANY EXISTING ROADWAY, LAWN, CURB, SIDEWALK OR OTHER APPURTENANCE DISTURBED DURING CONSTRUCTION NOT DESIGNATED FOR REMOVAL OR REPLACEMENT SHALL BE RESTORED BY THE CONTRACTOR, WITHOUT ADDITIONAL COMPENSATION, TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO DISTURBANCE.
- ANY TEMPORARY UTILITY REQUIRED BY THE CONTRACTOR (ELECTRIC, WATER ETC.) SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL PRESERVE ALL BENCHMARKS, PROPERTY LINE REFERENCES, REFERENCE POINTS, STAKES AND ANY OTHER SURVEY REFERENCE. IN CASE OF DISTURBANCE THE CONTRACTOR SHALL REPLACE THEM AT THE CONTRACTOR'S EXPENSE, BE RESPONSIBLE FOR ANY ERRORS THAT MAY BE CAUSED BY THEIR LOSS OR DISTURBANCE.
- ALL PROPOSED CONCRETE PAVEMENT ABUTTING EXISTING PAVEMENT SHALL BE DOWELED INTO EXISTING CONCRETE PAVEMENT USING A 3/4" DEFORMED DOWEL WITH 9" MINIMUM EMBEDMENT.
- THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF THE BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH THE CONDITIONS AND CONSTRAINTS OF THE SITE.
- CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

ACCESSIBILITY NOTES

- ALL REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) SHALL BE FOLLOWED IN ALL ASPECTS OF THE PROJECT.
- ALL SIDEWALKS INSTALLED SHALL HAVE A MAXIMUM CROSS SLOPE OF 2%.
- HANDICAP ACCESSIBLE PARKING SPACES SHALL NOT EXCEED A SLOPE OF 2% IN ANY DIRECTION.
- ALL CURB RAMPS SHOWN ALONG A DESIGNATED ACCESSIBLE ROUTE SHALL BE FLUSH WITH THE ADJACENT PAVEMENT.

UTILITY NOTES

- THIS PLAN SHOWS THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES (GAS, WATER, STORM SEWER, SANITARY SEWER, TELEPHONE, ELECTRIC, ETC.). THE PREPARER DOES NOT GUARANTEE THEIR ACCURACY OR CORRECTNESS. THE INFORMATION PROVIDED SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE UTILITY AS WELL AS THE SERVICE LATERALS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PRACTICE CARE DURING THE GRADING AND TRENCH EXCAVATION THAT SHALL BE REQUIRED TO MAINTAIN ANY SERVICES THAT ARE DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
- PRIOR TO ANY EXCAVATION OVER AN EXISTING UTILITY LINE OR SERVICE, CONTRACTOR SHALL HAND EXCAVATE TO EXPOSE THE UTILITY AND DETERMINE LOCATION AND DEPTH. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS.
- TOPS OF EXISTING AND PROPOSED CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER AND REQUIREMENTS OF UTILITY OWNER. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.
- FORTY-EIGHT (48) HOURS BEFORE EXCAVATION IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE OHIO UTILITIES PROTECTION SERVICE AND ALL OTHER UTILITIES THAT MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF OHIO UNDERGROUND PROTECTION.
- THE SITE MAY CONTAIN EXISTING PRIVATELY OWNED UTILITIES. THESE HAVE BEEN SHOWN AS ACCURATELY AS POSSIBLE BASED ON EXISTING UTILITY INFORMATION, BUT THE PREPARER OF THESE DOCUMENTS DOES NOT ATTEST TO THEIR ACCURACY OR CORRECTNESS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTRACT WITH A PRIVATE UTILITY MARKING AGENCY TO IDENTIFY AND LOCATE ALL PRIVATE UTILITIES WITHIN THE WORK SITE. THIS MAY INVOLVE THE EXCAVATION AND UNCOVERING OF UTILITIES TO VERIFY LOCATION. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS. CONTRACTOR SHALL MAKE RECORDS OF ALL PRIVATE UTILITIES ENCOUNTERED DURING THE PROJECT.
- RECORD DRAWINGS OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADVANCE NOTIFICATION OF EXISTING UTILITY OWNERS LISTED BELOW IN ACCORDANCE WITH SECTION 153.84 OF THE OHIO REVISED CODE. UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS ARE:

SANITARY SEWER
CITY OF CONNEAUT WASTEWATER DEPT.
1206 BROAD ST. EXTENSION
CONNEAUT, OH 44030
ATTN: MR. BRIAN BIDWELL
PHONE: (440) 593-7434
CELL: (440) 813-5523
EMAIL: WW1@CONNEAUTOH.ORG

GAS
ENBRIDGE GAS OHIO
2100 EASTWOOD AVE
AKRON, OH 44305
PHONE: (330) 664-2409 / (800) 362-7557
EMAIL: RELOCATION@DOM.COM

ELECTRIC
ILLUMINATING COMPANY (CEI)
7755 AUBURN RD
PAINESVILLE, OH 44077
ATTN: MR. BOB WILSON
PHONE: (330) 841-2110
CELL: (330) 314-8797

CITY PUBLIC WORKS (STORM SEWER)
PUBLIC WORKS DEPT.
283 16TH ST.
CONNEAUT, OH 44030
ATTN: MR. JOE DIBELL
PHONE: (440) 530-7430
EMAIL: PWD@CONNEAUTOH.ORG

WATER DISTRIBUTION
CITY OF CONNEAUT WATER DEPT.
515 CLARK ST.
CONNEAUT, OH 44030
ATTN: MR. CALEB RZESZUTEK
PHONE: (440) 593-7435
CELL: (440) 769-4157
EMAIL: WATERDIST@CONNEAUTOH.ORG

CALE TV - AERIAL
TIME WARNER CABLE
2904 STATE ROAD
ASHTABULA, OH 44004
ATTN: MR. DAVID DETORE
PHONE: (440) 998-5427
EMAIL: DAVID.DETORE@TWCABLE.COM

TELEPHONE/CABLE - FIBER OPTIC
GREATWAVE COMMUNICATIONS
224 STATE ST.
CONNEAUT, OH 44030
ATTN: MR. DON ZAPPITELLI
PHONE: (440) 593-7100
EMAIL: DONZAPP@SUITE224.NET

STORM & SANITARY NOTES

- ALL STORM AND SANITARY ITEMS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND DETAILS AND CITY OF CONNEAUT REQUIREMENTS.
- CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORM AND SANITARY SEWER FLOW THROUGHOUT THE PROJECT. FOR THE DURATION OF CONSTRUCTION. ALL COST FOR THE ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.
- IF REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND SCHEDULING STORM AND SANITARY SEWER INSPECTIONS AS SET OUT IN THE PRECONSTRUCTION MEETING.
- CONNECTIONS INTO EXISTING OR PROPOSED STORM OR SANITARY SEWER STRUCTURES OR PIPES SHALL BE COMPLETED BY A CERTIFIED TAPPER.
- DOWNSPOUT AND UNDERDRAIN CONSTRUCTION SHALL MEET THESE AND THE LATEST EDITION OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS, THE CITY OF CONNEAUT REQUIREMENTS, AND DETAILS SHOWN ON THIS PLAN. BEDDING, BACKFILLING, JOINTS, EXCAVATION AND INSTALLATION SHALL BE INCLUDED IN THE COST PER FOOT OF PIPE. STORM SEWER, DOWNSPOUT AND UNDERDRAIN PIPE MATERIAL SHALL HAVE A MANNING'S "N" VALUE OF 0.013 OR LESS (UNLESS OTHERWISE SHOWN) AND BE RIGID / SMOOTH INTERIOR WALLED PVC SDR-35 PIPE, RIBBED PVC PIPE, A-2000 PVC PIPE, UNLESS OTHERWISE SHOWN.
- ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM AND SANITARY SEWER MANHOLES, INLETS AND DETENTION SYSTEMS.
- CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE INLETS UPON PLACEMENT OF NEW PAVEMENT.
- ALL GRAVITY SEWER MAINLINES SHALL BE PVC SDR-35, PIPE MATERIAL SPEC. OF ASTM D1784, AND JOINT SPEC. OF ASTM C-443.

WATER NOTES

- ALL WORK RELATING TO WATER MAINS OR WATER SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE CITY OF CONNEAUT WATER DEPARTMENT.
- CONTRACTOR MAY NOT USE WATER FROM FIRE HYDRANTS WITHOUT PRIOR PERMISSION FROM THE CITY OF CONNEAUT.
- MAINTAIN A MINIMUM 10' HORIZONTAL SEPARATION AND 18" VERTICAL SEPARATION FROM ALL SANITARY SEWERS.

GAS NOTES

- ALL WORK RELATING TO GAS MAINS OR GAS SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF ENBRIDGE GAS OHIO.

ELECTRIC NOTES

- ALL WORK RELATING TO ELECTRIC LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF ILLUMINATING COMPANY (CEI).

MAINTENANCE OF TRAFFIC NOTES

- ALL MAINTENANCE OF TRAFFIC PROCEDURES SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL TRAFFIC (ACCESS TO RESIDENCES WITHIN CONSTRUCTION LIMITS) AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT SIGN, WARNING LIGHTS, BARRICADES, OR OTHER NECESSARY DEVICES TO MAKE THE SITE SAFE TO THE TRAVELING PUBLIC.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT TO THE ENGINEER AND THE OWNER A TRAFFIC CONTROL PLAN FOR THIS PROJECT.
- PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF CONNEAUT POLICE DEPARTMENT. AT ALL TIMES, EMERGENCY VEHICLES SHALL BE GIVEN ACCESS.
- RESIDENTS OF THE PROJECT AREA SHALL BE ALLOWED ACCESS TO THEIR PROPERTY AT ALL TIMES.
- ALTERNATE ROUTES OR CONTINUOUS TRAFFIC CONTROL SHALL BE EMPLOYED WHEN A PUBLIC WAY IS TEMPORARY BLOCKED DURING CONSTRUCTION, INCLUDING PEDESTRIAN AND BICYCLE FACILITIES. ADVANCED NOTICE SIGNS IN ACCORDANCE WITH THE MUTCD SHALL BE EMPLOYED.

GRADING AND EROSION CONTROL NOTES

- ALL DISTURBED AREAS ARE TO BE RESTORED (SEEDED AND MULCHED) BY THE CONTRACTOR AND SHALL PROCEED WITH JOB PROGRESSION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING ANY EXCESS MATERIALS AT THE SITE AND MAINTAINING ALL SEEDED AND MULCHED AREAS UNTIL PROJECT COMPLETION AND FINAL INSPECTION. ALL DISTURBED AREAS SHALL BE RESTORED WITHIN TWENTY-ONE (21) DAYS AFTER CONSTRUCTION.
- ADDITIONAL BMP'S AND EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY. ALL COST FOR ABOVE SHALL BE INCLUDED IN LUMP SUM BID FOR EROSION CONTROL AND WATER POLLUTION CONTROL.
- ALL EXCAVATION IS CONSIDERED UNCLASSIFIED AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS AND MATERIALS OF CONSTRUCTION. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUITABILITY OF MATERIAL UNDERLYING THE PROJECT SITE. THE CONTRACTOR SHALL PERFORM ANY INVESTIGATIONS OR TESTING NECESSARY TO ADEQUATELY DETERMINE OR ESTIMATE TO THEIR SATISFACTION ANY EXISTING SITE CONDITION WHICH COULD AFFECT HIS BID OR THE PERFORMANCE OF THE PROPOSED IMPROVEMENTS. THIS COULD INCLUDE, BUT NOT BE LIMITED TO, UNSUITABLE OR UNSTABLE SOIL/SUBSURFACE CONDITIONS, ROCK, WATER (PERCHED OR FREE), OBSTRUCTIONS, ETC.
- ALL TREES AND OTHER VEGETATION WITHIN THE PROJECT LIMITS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED, INCLUDED STUMP REMOVAL.
- THE CONTRACTOR SHALL REMOVE ALL SURPLUS DEMOLISHED AND WASTE MATERIALS, INCLUDING TREES, STUMPS, TRASH AND DEBRIS, FROM THE PROJECT LIMITS AND DISPOSE OF OFF-SITE. IN NO INSTANCE SHALL MATERIAL BE BURIED ON-SITE.
- THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL MATERIAL DEEMED UNSUITABLE FOR EMBANKMENT BY THE OWNER'S REPRESENTATIVE AND BE DISPOSED OF OFF-SITE.
- THE CONTRACTOR SHALL PROVIDE FINAL GRADING TO WITHIN 1" OF GRADES SHOWN ON THE PLANS.
- TOPSOIL SHALL BE STRIPPED AND STOCKPILED FROM ALL AREAS TO BE GRADED, TO WHATEVER DEPTH ENCOUNTERED, AND IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL. SOIL SHALL NOT BE STOCKPILED NEAR THE EDGE OF EXCAVATIONS OR WITHIN DRIP LINES OF TREES TO REMAIN.
- EXCESS SOIL GENERATED FROM TRENCH EXCAVATIONS SHALL BE INCORPORATED IN THE UNIT PRICE BID FOR EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION. ANY EXCESS SOIL UNABLE TO BE PLACED ON-SITE OR DEEMED UNSUITABLE FOR EMBANKMENT BY THE ENGINEER SHALL BE DISPOSED OF OFF-SITE.
- NO SLAG, RIVER GRAVEL, RECYCLED PORTLAND CEMENT CONCRETE, RECLAIMED ASPHALT CONCRETE PAVEMENT OR RECLAIMED BITUMINOUS AGGREGATE BASE SHALL BE USED AS FILL.
- EXPOSED PAVEMENT SUBGRADE AREAS SHALL BE MAINTAINED IN CONDITIONS TO PREVENT PONDING OF WATER AFTER RAINS.
- ALL EXISTING AND PROPOSED MANHOLE COVERS, VALVE BOXES, ETC. LOCATED WITHIN PEDESTRIAN ACCESS SHALL BE FLUSH MOUNTED WITH THE WALKING SURFACE.
- SLOPE ALL PAVING AND LANDSCAPE AREAS AWAY FROM THE BUILDING AT A MINIMUM OF 1%.
- THE ENGINEER MAKES NO REPRESENTATION AS TO A BALANCED EARTHWORK SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE FINAL SITE GRADES AS INDICATED ON THE GRADING PLAN, INCLUDING THE IMPORT OR EXPORT OF MATERIAL IF REQUIRED TO ACHIEVE THE PROPOSED GRADES. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF ALL SURPLUS EARTHWORK, DEBRIS OR WASTE FROM THE SITE. ALL COST FOR THE ABOVE SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE FOR EXCAVATION AND/OR EMBANKMENT.
- THE CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES TO REMAIN FROM DAMAGE CAUSED BY EARTHWORK OPERATIONS.
- MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR(S).
- CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF REPAIR AND/OR REPLACEMENT OF BMP'S.

EROSION CONTROL LEGEND

- IP INLET PROTECTION (SEE DETAIL)
- CD CHECK DAM
- CE CONSTRUCTION ENTRANCE
- WA CONCRETE WASHOUT
- RCP ROCK CHANNEL PROTECTION
- SDD SKIMMER DEWATERING DEVICE
- SF PROPOSED SILT FENCE

HATCH LEGEND

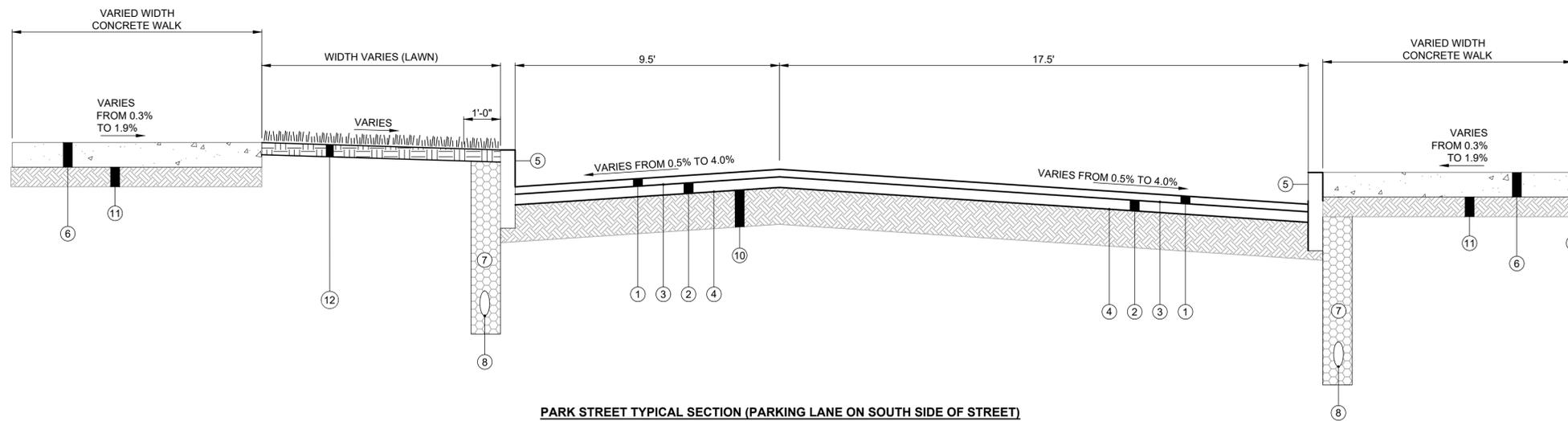
- LIGHT DUTY ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- 8" CONCRETE PAVEMENT
- 4" CONCRETE SIDEWALK
- TO BE REMOVED

SYMBOL LEGEND

- EXISTING GAS LINE
- EXISTING GAS SERVICE
- EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
- EXISTING CABLE (UNDERGROUND / OVERHEAD)
- EXISTING TELEPHONE (UNDERGROUND / OVERHEAD)
- EXISTING WATER MAIN
- EXISTING WATER SERVICE
- EXISTING STORM SEWER
- EXISTING ROOF DRAIN
- EXISTING SANITARY SEWER
- EXISTING SANITARY FORCE MAIN
- EXISTING FIBER OPTICS
- EXISTING FENCE
- EXISTING CONTOURS (MAJOR)
- EXISTING CONTOURS (MINOR)
- EXISTING RIGHT OF WAY
- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING GUARDRAIL
- EXISTING TREE LINE
- PROPOSED WATER MAIN
- PROPOSED WATER SERVICE
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED FENCE
- PROPOSED CONTOURS (MAJOR)
- PROPOSED CONTOURS (MINOR)
- PROPOSED RIGHT OF WAY
- PROPOSED PROPERTY LINE
- PROPOSED EASEMENT
- PROPOSED GUARDRAIL
- PROPOSED TREE LINE / CLEARING LIMITS
- PROPOSED DISTURBED LIMITS
- EXISTING FLAGPOLE
- EXISTING MAILBOX
- EXISTING SIGN
- EXISTING CABLE PEDESTAL
- EXISTING ELECTRIC PEDESTAL
- EXISTING PULL BOX
- EXISTING GROUND LIGHT
- EXISTING LIGHT POLE
- EXISTING ELECTRIC METER
- EXISTING ELECTRIC MANHOLE
- EXISTING GAS METER
- EXISTING GAS VALVE
- EXISTING GAS BOX
- EXISTING UTILITY POLE
- EXISTING GUY WIRE / ANCHOR
- EXISTING SANITARY MANHOLE
- EXISTING SANITARY CLEANOUT
- EXISTING STORM MANHOLE
- EXISTING SINGLE / DOUBLE CURB INLET
- EXISTING CATCH BASIN
- EXISTING STORM CLEANOUT
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING WATER VALVE
- EXISTING BUSHES / TREES
- EXISTING SURVEY BENCHMARK
- TEST BORING LOCATION
- EXISTING TELEPHONE MANHOLE
- EXISTING TELEPHONE PEDESTAL
- PROPOSED FLAGPOLE
- PROPOSED SIGN
- PROPOSED SANITARY MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED SINGLE / DOUBLE CURB INLET
- PROPOSED CATCH BASIN
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- REMOVE EXISTING BUSH / TREE
- PROPOSED SLOPE DIRECTION

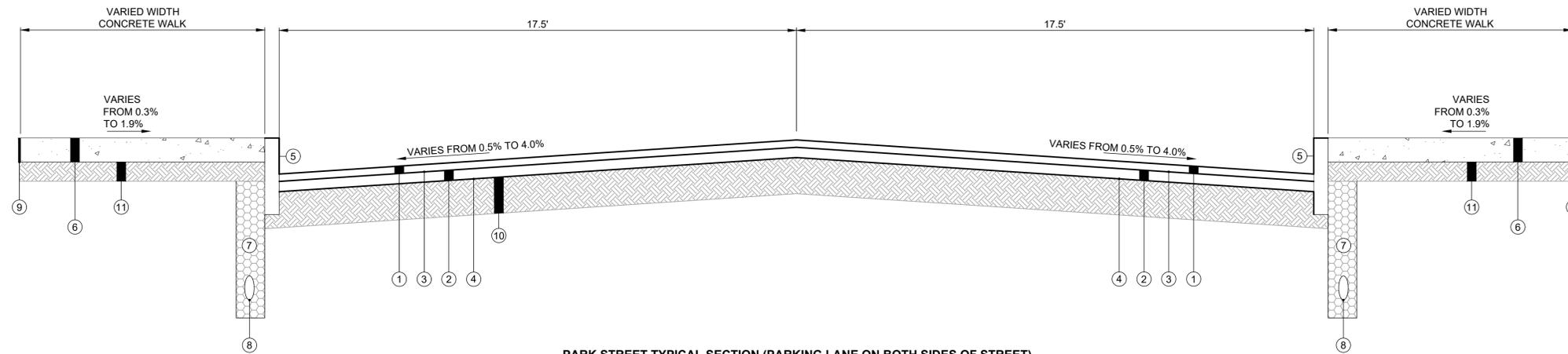
Sheet List Table

Sheet Number	Sheet Title	Sheet Description
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40	SWPPP	SEDIMENT & EROSION CONTROL NOTES & DETAILS
41	MOT	MAINTENANCE OF TRAFFIC



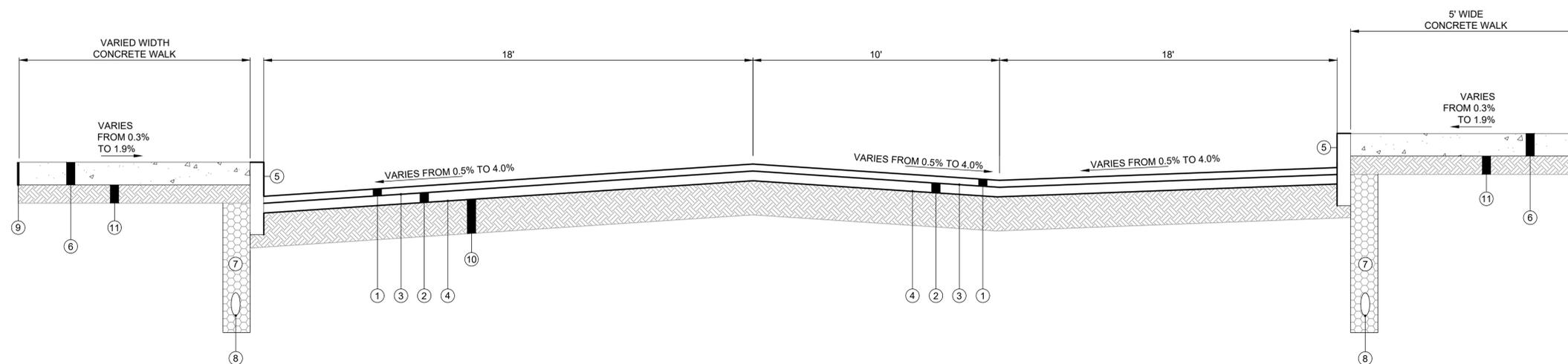
PARK STREET TYPICAL SECTION (PARKING LANE ON SOUTH SIDE OF STREET)

N.T.S.
NOTE: SEE GRADING PLAN FOR SLOPES



PARK STREET TYPICAL SECTION (PARKING LANE ON BOTH SIDES OF STREET)

N.T.S.
NOTE: SEE GRADING PLAN FOR SLOPES

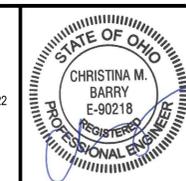


DAY STREET TYPICAL SECTION

N.T.S.
NOTE: SEE GRADING PLAN FOR SLOPES

LEGEND

- ① ODOT ITEM 441 - 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ② ODOT ITEM 441 - 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- ③ ODOT ITEM 407 - TACK COAT INTERMEDIATE COURSE @ 0.01 GAL/ SY
- ④ ODOT ITEM 407 - TACK COAT @ 0.01 GAL/ SY
- ⑤ ODOT ITEM 609 - VERTICAL CURB, TYPE 6
- ⑥ ODOT ITEM 608 - 4" CONCRETE SIDEWALK
- ⑦ ODOT ITEM 703.11 - STRUCTURAL BACKFILL TYPE 2 OR 3 INCIDENTAL TO 4" UNDER DRAIN
- ⑧ ITEM 605 - 4" UNDERDRAIN
- ⑨ ODOT ITEM 608 - 1/2" PRE FORMED EXPANSION JOINT ADJACENT TO BUILDINGS
- ⑩ ODOT ITEM 304 - 6" AGGREGATE BASE
- ⑪ ODOT ITEM 304 - 4" AGGREGATE BASE
- ⑫ ODOT ITEM 659 - 4" TOPSOIL PLACED, SEEDING AND MULCH

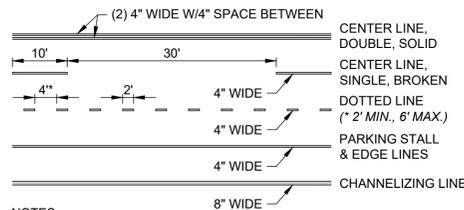
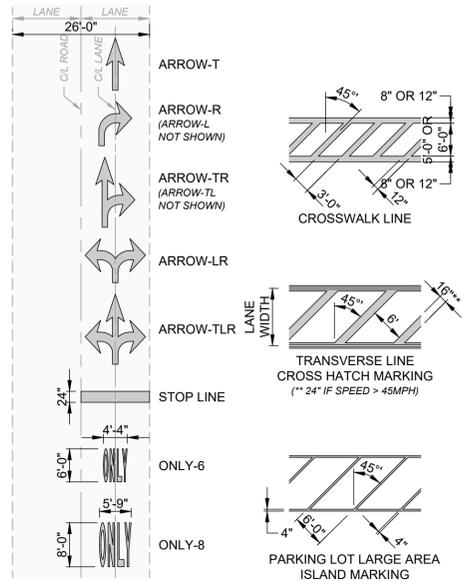


ISSUED FOR:	90% REVIEW	NO	REVISION	DATE
ISSUE DATE:	11/3/2025	01	PTI REVISION - 1	1/7/2026
SCALE:	AS SHOWN			
DESIGNED BY:	C.BARRY			
DRAWN BY:	C.BARRY			
CHECKED BY:	C.KOGELNIK			

**PARK ST AND DAY ST
IMPROVEMENTS - PART B
- CONNEAUT -**

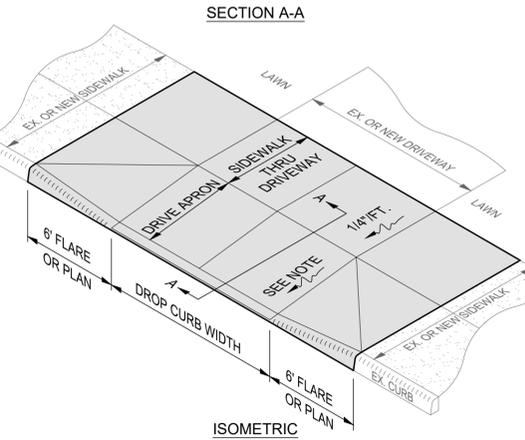
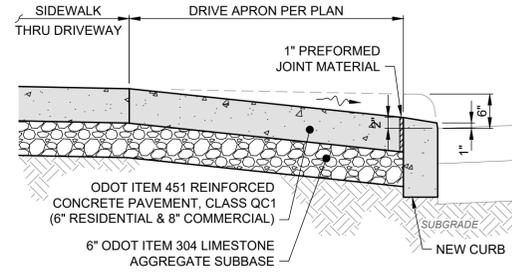
CONSTRUCTION DETAILS

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	DET1
SHEET	3
OF	41



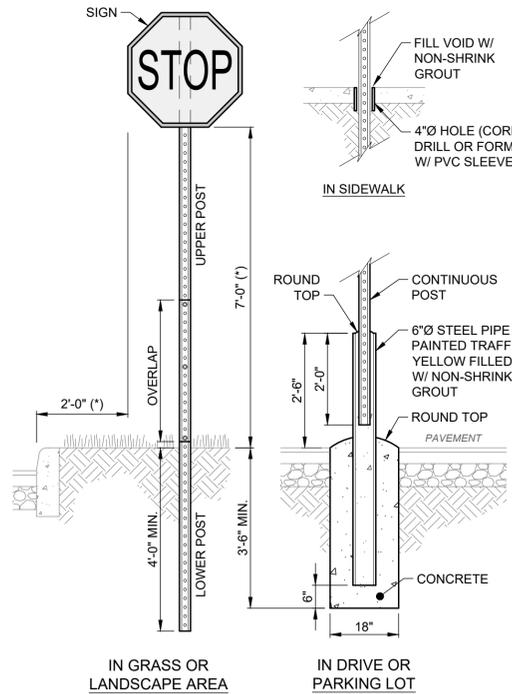
- NOTES:
- PAINT COLORS SHALL BE AS FOLLOWS:
 - YELLOW: CENTER LINES.
 - WHITE OR YELLOW, AS PER PLAN: PARKING STALL LINES AND ISLAND MARKINGS.
 - WHITE: WORDS, LANE ARROWS, CHANNELIZING LINES, TRANSVERSE LINES, DOTTED LINES, EDGE LINES, STOP LINES AND CROSSWALKS.
 - BLUE: PARKING STALL LINES AND ISLAND STRIPING TO DESIGNATE ADA ACCESSIBILITY.
 - RED: WORDS, LANE LINES AND ISLAND MARKINGS TO DESIGNATE FIRE LANES.
 - THIS DETAIL IS FOR REFERENCE ONLY. SEE PLANS AND APPLICABLE DETAILS FOR TYPES, LOCATIONS AND SIZES.

PAVEMENT MARKING DETAIL
SCALE: NONE



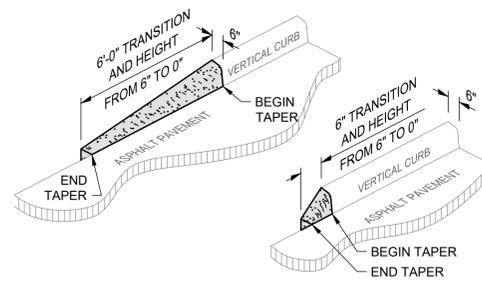
CONCRETE DRIVE APRON DETAIL
SCALE: NONE

- NOTES:
- CONCRETE AT ACTIVE DRIVE APRONS SHALL BE CLASS QC MS.
 - THE DROP CURB SHALL BE HAND FORMED AT THE TIME THE CONCRETE CURB IS POURED.
 - JOINTS SHALL BE PROVIDED AT THE NORMAL FACE AND BACK OF SIDEWALK LOCATION.
 - MINIMUM DRIVE APRON SLOPE PERMITTED IS 1/8" FT. (1.00%) AND MAXIMUM IS 1" FT. (8.33%). SEE GRADING PLAN FOR ACTUAL SLOPES AND ELEVATIONS.
 - THIS DETAIL SHOWS A DRIVE APRON WITH VARIOUS APRON FLARES FOR REFERENCE ONLY; SEE LAYOUT PLAN FOR ACTUAL APRON CONFIGURATION AND FLARE WIDTHS.

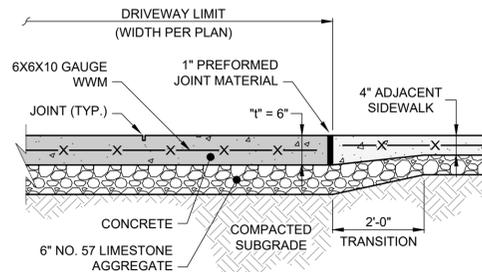


- NOTES:
- POSTS SHALL BE 2 LB/FT GALVANIZED STEEL U-CHANNEL WITH 3/8" HOLES ON 1" CENTERS.
 - ALL SIGNS SHALL BE PLACED 90° TO THE ROADWAY TRAVEL DIRECTION.
 - "STOP" SIGN SHOWN FOR REFERENCE. SEE LAYOUT PLAN FOR SPECIFIC TYPE OF SIGN(S) TO BE USED.
 - (*) IN RURAL AREAS:
 - THE MINIMUM HEIGHT FROM BOTTOM OF SIGN TO PAVEMENT SHALL BE 5'-0". THE HEIGHT TO THE BOTTOM OF A SECONDARY SIGN MOUNTED BELOW ANOTHER SIGN SHALL BE 4'-0".
 - THE MINIMUM SETBACK FROM EDGE OF SIGN TO EDGE OF PAVEMENT SHALL BE 12'-0".

SIGN POST DETAIL
SCALE: NONE

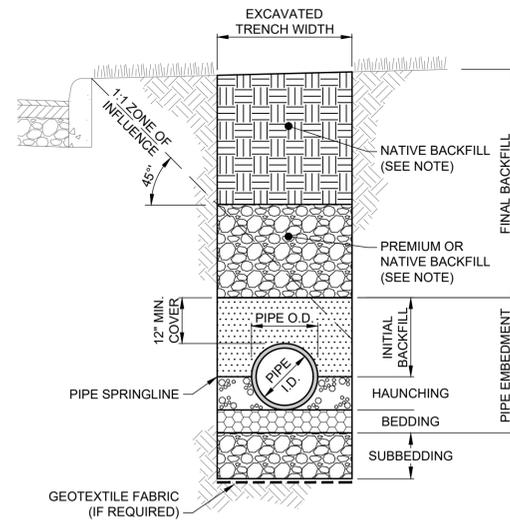


VERTICAL CURB TRANSITION TO PAVEMENT DETAIL
SCALE: NONE



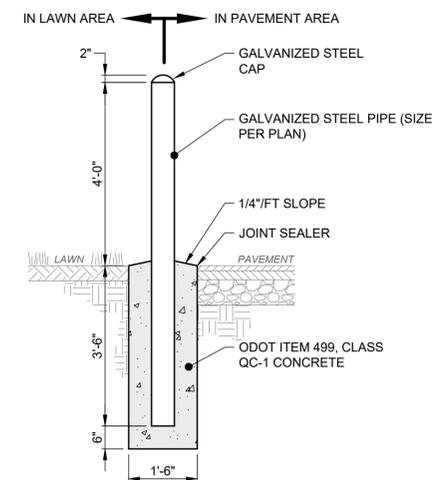
- NOTES:
- CONCRETE SHALL BE ODOT ITEM 499, CLASS QC-1 EXCEPT AT ACTIVE DRIVE APRONS WHICH SHALL BE CLASS QC MS.
 - THIS DETAIL SHOWS A 6" SIDEWALK AND AGGREGATE FOR REFERENCE ONLY, BUT "T" SHALL ALWAYS BE THE SAME THICKNESS AS THE DRIVE APRON. SEE LAYOUT PLAN FOR ACTUAL THICKNESSES.

CONCRETE WALK THROUGH DRIVEWAY DETAIL
SCALE: NONE



- NOTES:
- EXCAVATED TRENCH WIDTH: MEASURED FROM BOTTOM OF TRENCH TO 12" OVER TOP OF PIPE (WITHIN PIPE EMBEDMENT), THE MIN. TRENCH WIDTH SHALL BE PIPE O.D. + 18" AND THE MAX. SHALL BE:
 - PIPE O.D. + 24" FOR 24" AND SMALLER I.D. PIPE
 - PIPE O.D. + 30" FOR 27" THRU 54" I.D. PIPE
 - PIPE O.D. + 48" FOR 60" AND LARGER I.D. PIPE
 - FINAL BACKFILL: ALL AREAS UNDER PAVEMENT, STRUCTURES OR ZONE OF INFLUENCE SHALL BE PREMIUM BACKFILL ODOT ITEM 304 CRUSHED LIMESTONE [OR LOW STRENGTH MORTAR (LSM)] MEASURED FROM THE OUTSIDE EDGE OF PAVEMENT OR BOTTOM OF FOOTING. PAVEMENT INCLUDES ROADWAY, SHOULDER AND DRIVEWAY, BUT NOT SIDEWALK. ALL OTHER AREAS SHALL BE SUITABLE ON-SITE NATIVE FRIABLE MATERIAL. NO SLAG OR SLACKER AGGREGATES ALLOWED.
 - PIPE EMBEDMENT: BEDDING AND HAUNCHING SHALL BE NO. 7, 8, 57 OR 67 COURSE INTERLOCKING LIMESTONE AGGREGATE. BEDDING SHALL BE 8" MIN. ALL AREAS UNDER PAVEMENT, STRUCTURES OR ZONE OF INFLUENCE. INITIAL BACKFILL SHALL BE NO. 7, 8, 57 OR 67 COURSE INTERLOCKING LIMESTONE AGGREGATE. ALL OTHER AREAS, INITIAL BACKFILL MAY BE SUITABLE ON-SITE NATIVE FRIABLE MATERIAL FOR RIGID PIPE AND SHALL BE NO. 8, 57 OR 67 COURSE INTERLOCKING LIMESTONE AGGREGATE FOR FLEXIBLE PIPE.
 - SUBBEDDING: WHERE AN UNSTABLE TRENCH BOTTOM CONDITION IS ENCOUNTERED, UNDERCUT UNSUITABLE MATERIAL 12" MIN. OR DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH PREMIUM BACKFILL ODOT ITEM 304 CRUSHED LIMESTONE.
 - COMPACTION REQUIREMENTS:
 - STRUCTURAL FILL: UNDER PAVEMENT, STRUCTURES AND ZONE OF INFLUENCE COMPACT TO 98% MAXIMUM DRY DENSITY OF STANDARD PROCTOR WITH MOISTURE CONTENT ADJUSTED TO +2/-2% OF OPTIMUM.
 - ENGINEERED FILL: UNDER WALKS COMPACT TO 95% MAXIMUM DRY DENSITY OF STANDARD PROCTOR WITH MOISTURE CONTENT ADJUSTED TO +2/-2% OF OPTIMUM.
 - GENERAL FILL: ALL OTHER AREAS COMPACT TO 90% MAXIMUM DRY DENSITY OF STANDARD PROCTOR WITH MOISTURE CONTENT ADJUSTED TO +2/-3% OF OPTIMUM.
 - CLAY TRENCH DAMS: SHALL BE REQUIRED WHEN AND WHERE NECESSARY AS PER PLAN OR DIRECTED BY THE ENGINEER.
 - STEEL PLATE: IF LSM USED FOR PREMIUM BACKFILL, USE 1" THICK STEEL PLATES UNTIL SURFACE RESTORATION IS COMPLETE. STEEL PLATES SHALL BE PROTECTED FROM SLIDING AND A TEMPORARY ASPHALT RAMP INSTALLED WHERE EXPOSED TO VEHICULAR TRAFFIC WHICH COULD CONSTITUTE A DRIVING HAZARD.

TRENCHING AND BACKFILL DETAIL
SCALE: NONE



- NOTES:
- PIPE SHALL BE SMOOTH AND FREE OF BURRS AND SHARP PROJECTIONS FABRICATED FROM SCH. 40 GALVANIZED STEEL PIPE PER ASTM A-53.

STEEL BOLLARD DETAIL
SCALE: NONE



NO	REVISION	DATE
01	PTI REVISION - 1	1/7/2026

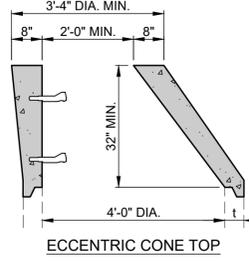
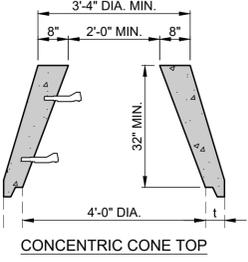
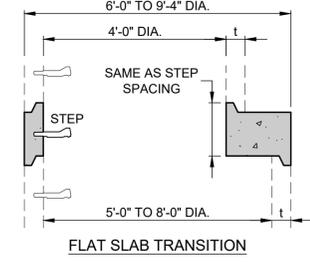
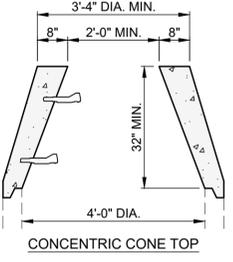
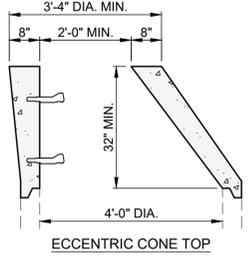
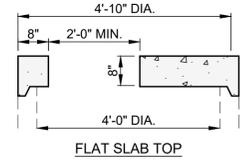
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90% REVIEW	11/3/2025	AS SHOWN	C.BARRY	C.BARRY	C.KOGELNIK

PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT -

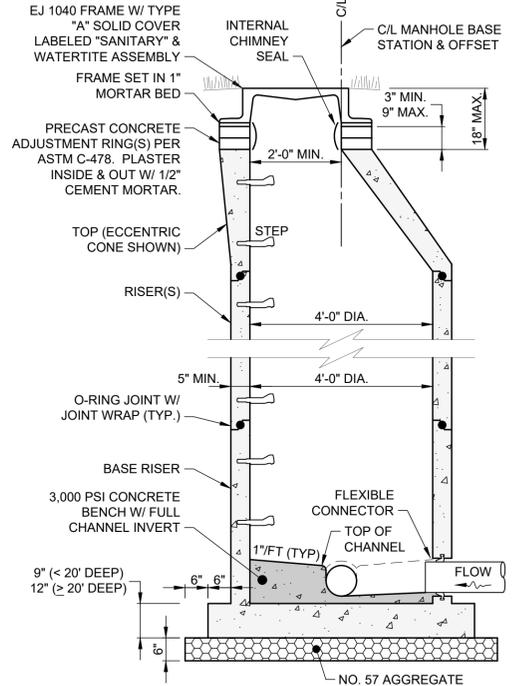
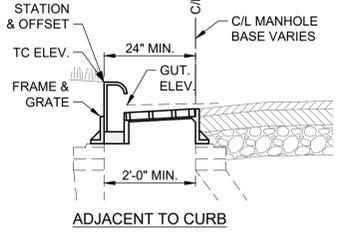
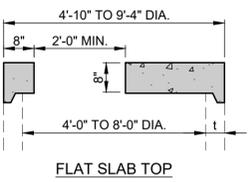
CONSTRUCTION DETAILS

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	DET2
SHEET	4
OF	41

BASE I.D.	MIN. "t"
4'-0"	5"
5'-0"	5"
6'-0"	6"
7'-0"	7"
8'-0"	8"

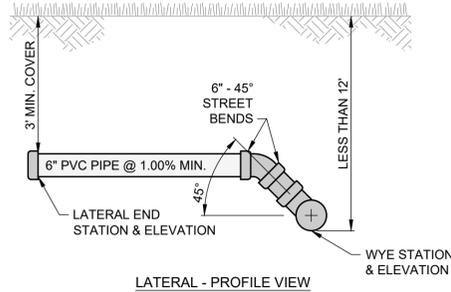
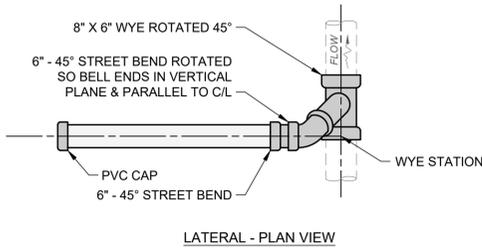


MANHOLE BASE I.D.	MIN. WALL "t"	MAX. PIPE I.D.	
		STRAIGHT THRU INSTALLATION	RIGHT ANGLE INSTALLATION
4'-0"	5"	27"	24"
5'-0"	5"	36"	30"
6'-0"	6"	42"	36"
7'-0"	7"	54"	42"
8'-0"	8"	60"	48"



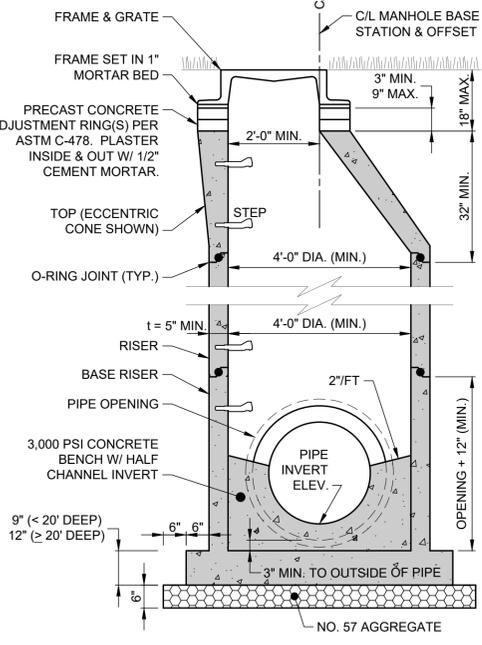
- NOTES:**
- TOP SECTION SHALL BE AN ECCENTRIC CONE. ROTATE CONE TO OFFSET MANHOLE CASTING TO AVOID SIDEWALKS, UNDERDRAINS AND CURBS. [ADDITIONAL OPTION: THIS DETAIL SHOWS AN ECCENTRIC CONE TOP FOR REFERENCE, BUT TOP SECTION SHALL BE A CONCENTRIC CONE.] USE FLAT SLAB TOP IF MANHOLE IS LESS THAN 6'-3" DEEP.
 - O-RING JOINT BETWEEN PRECAST MANHOLE SECTIONS SHALL BE RESILIENT WATERTIGHT GASKET PER ASTM C-443.
 - PRECAST MANHOLE AND REINFORCEMENT SHALL CONFORM TO ASTM C-478.
 - STRUCTURE SHALL MEET H-20 LOADING.
 - BASE MUST BE PRECAST MONOLITHIC WITH BASE RISER.
 - ALL PIPE OPENINGS MUST BE PRECAST WITH FLEXIBLE CONNECTIONS (Z-LOK OR A-LOK) PER ASTM C-923.
 - WRAP ALL INSIDE AND OUTSIDE MANHOLE JOINTS WITH 24" WIDE EXTERIOR JOINT WRAP PER ASTM C-877 TYPE III, CONSEAL CS-212.
 - CONCRETE CHANNEL TOP SHALL EXTEND TO FULL HEIGHT OF PIPE(S).
 - CONCRETE BENCH AND CHANNEL(S) SHALL BE PRECAST AS ONE PIECE IN THE BASE SECTION. ALL PIPES SHALL HAVE POURED INVERTS.
 - ALL PRECAST CONCRETE SECTIONS SHALL BE MANUFACTURED AND FURNISHED AS SOLID SECTIONS WITHOUT LIFT HOLES OF ANY KIND.
 - USE REINFORCED PLASTIC MANHOLE STEPS.
 - FIRST STEP SHALL NOT BE MORE THAN 2'-0" BELOW TOP OF FRAME. MAKE PROJECTION 3-1/2" IF IN 24" DIA. SECTION.
 - MANHOLE MUST PASS A VACUUM TEST PER ASTM C-1244.
 - ANY PRECAST CONCRETE SECTION DAMAGED IN TRANSIT OR ON-SITE AND WHERE THE WATER TIGHTNESS OF THE SECTION HAS BEEN ADVERSELY AFFECTED SHALL BE REPLACED AND NOT UTILIZED IN THE CONSTRUCTION OF THE MANHOLE.

PRECAST CONCRETE MANHOLE (SANITARY) DETAIL
SCALE: NONE

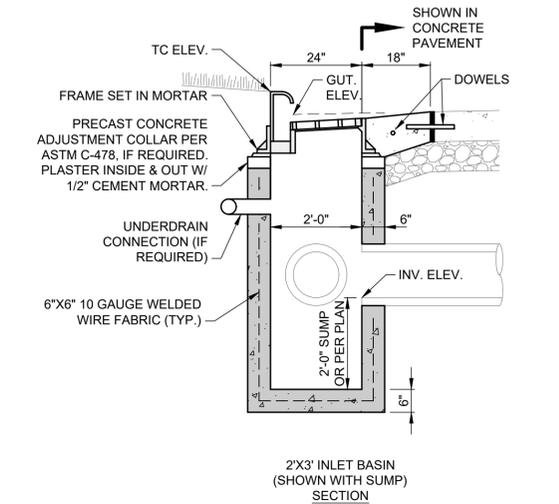
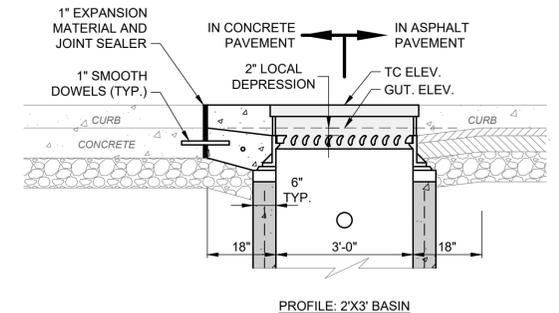


- NOTES:**
- THIS DETAIL SHOWS 6" LATERAL PIPE FOR REFERENCE ONLY. SEE PLANS FOR ACTUAL PIPE SIZES, MATERIALS, SLOPES AND ELEVATIONS.

SANITARY LATERAL CONNECTION (<12') DETAIL
SCALE: NONE

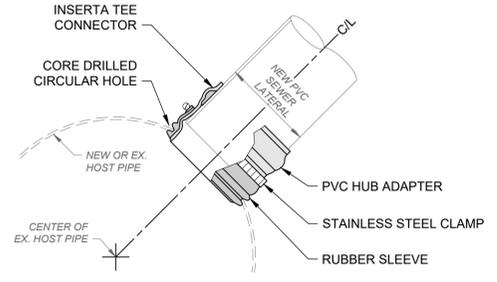


PRECAST CONCRETE MANHOLE (STORM) DETAIL
SCALE: NONE



- NOTES:**
- ALL CONCRETE SHALL BE ODOT ITEM 499, CLASS QC-1.
 - STRUCTURE SHALL MEET H-20 LOADING.
 - PRECAST CONCRETE STRUCTURE AND REINFORCEMENT SHALL CONFORM TO ASTM C-913.
 - INSTALL STEPS IF STRUCTURE IS MORE THAN 4' DEEP (NOT SHOWN FOR CLARITY). USE REINFORCED PLASTIC MANHOLE STEPS. FIRST STEP SHALL NOT BE MORE THAN 2'-0" BELOW TOP OF FRAME.
 - PRECAST KNOCKOUT SIDES FOR CURB DRAIN AND PIPE CONNECTION HOLES, AS REQUIRED. PIPE OPENINGS SHALL BE O.D. OF PIPE PLUS 2", AND INTERSTITIAL SPACE FILLED WITH GROUT OR ALL PIPE OPENINGS MUST BE PREFABRICATED WITH FLEXIBLE CONNECTIONS (Z-LOK OR A-LOK) PER ASTM C-923.
 - GRADE ADJUSTMENT BY PRE-CAST CONCRETE ADJUSTING COLLAR OR MAX. 2 COURSES ASTM C-32 BRICK MASONRY SET IN MORTAR.
 - (*) IF TOP SECTION IS A SEPARATE CAST PIECE, 1/2"Ø X 6" L DOWELS SHALL BE USED AT EACH CORNER TO ATTACH THE TOP TO THE BOTTOM SECTIONS OF BASIN.
 - FRAME AND GRATE SHALL BE EJ 7030 WITH TYPE M6 VANE GRATE AND T1 BACK FOR 2'X3' OR 3'X3' BASIN, AND EJ 7031 WITH TYPE M6 VANE GRATE AND T1 BACK FOR 2'X6' OR 3'X6' BASIN; OR PER PLAN.
 - ALL GRATES SHALL INCLUDE LETTERING "DUMP NO WASTE" AND FISH IMAGE.
 - BASIN SHALL INCLUDE SUMP IF REQUIRED PER PLAN.
 - THIS DETAIL IS FOR REFERENCE AND DIMENSION CONTROL ONLY; SEE UTILITY PLAN FOR ACTUAL SIZES.

2'X3' CURB INLET BASIN DETAIL
SCALE: NONE



- NOTES:**
- HOLE IN HOST PIPE MUST BE FIELD CORED TO THE SIZE PER MANUFACTURER RECOMMENDATION USING INSERTA TEE HOLE SAW.
 - THIS DETAIL SHOWS A PVC LATERAL PIPE CONNECTION TO A SMOOTH HOST PIPE FOR REFERENCE ONLY. USE APPROPRIATE INSERTA TEE FOR TYPE OF LATERAL AND HOST PIPE SIZES AND MATERIALS FOR A WATER TIGHT CONNECTION.

STORM FIELD TEE CONNECTION DETAIL
SCALE: NONE

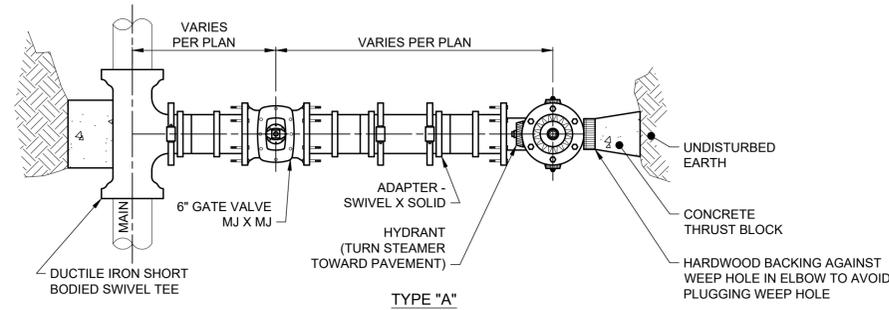
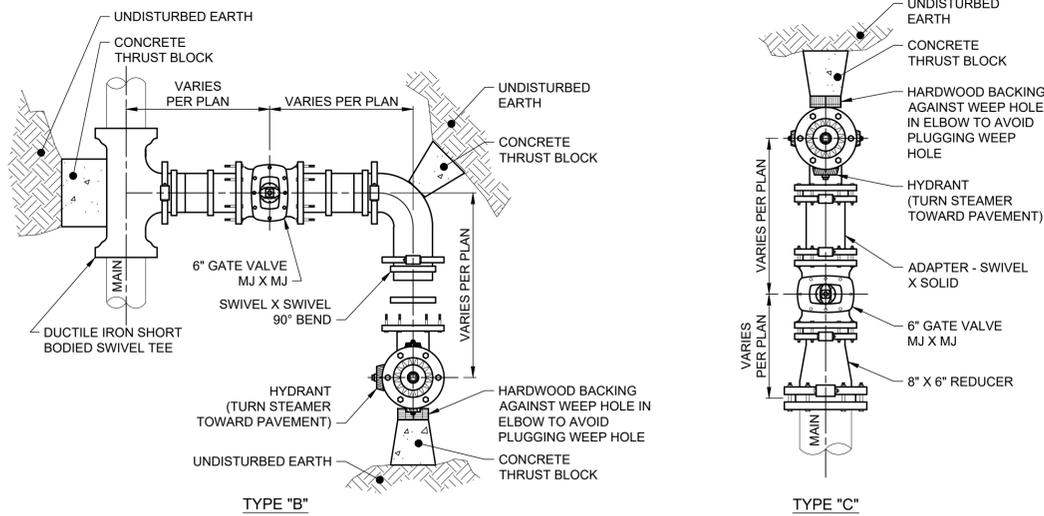


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1/7/2026	PTI REVISION - 1	01	90% REVIEW	11/3/2025	AS SHOWN	C.BARRY	C.BARRY	C.KOGELNIK

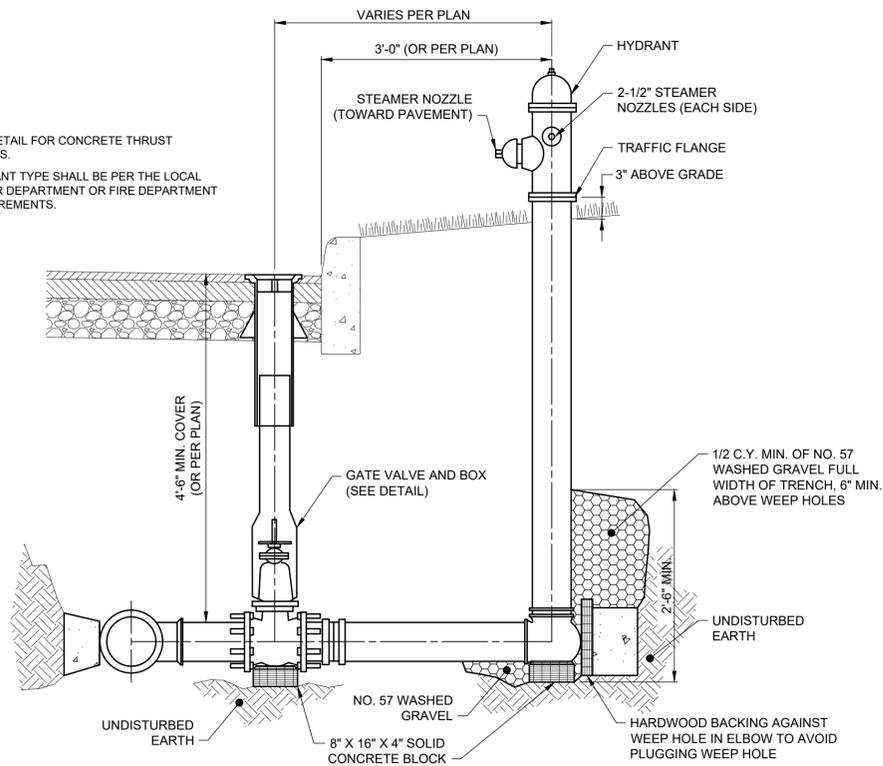
PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT -

CONSTRUCTION DETAILS

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	DET3
SHEET	5
OF	41

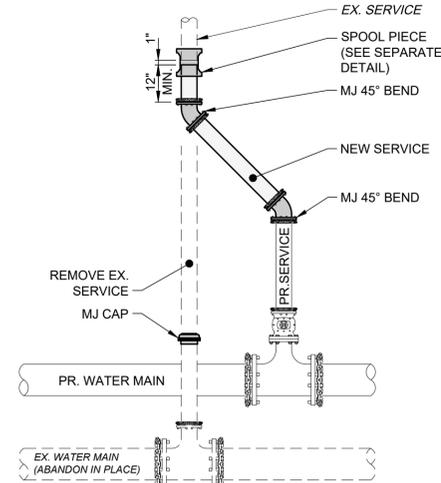
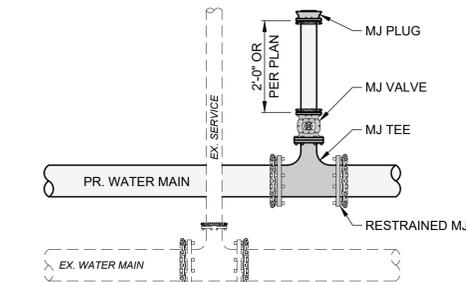


- NOTES:**
- SEE DETAIL FOR CONCRETE THRUST BLOCKS.
 - HYDRANT TYPE SHALL BE PER THE LOCAL WATER DEPARTMENT OR FIRE DEPARTMENT REQUIREMENTS.



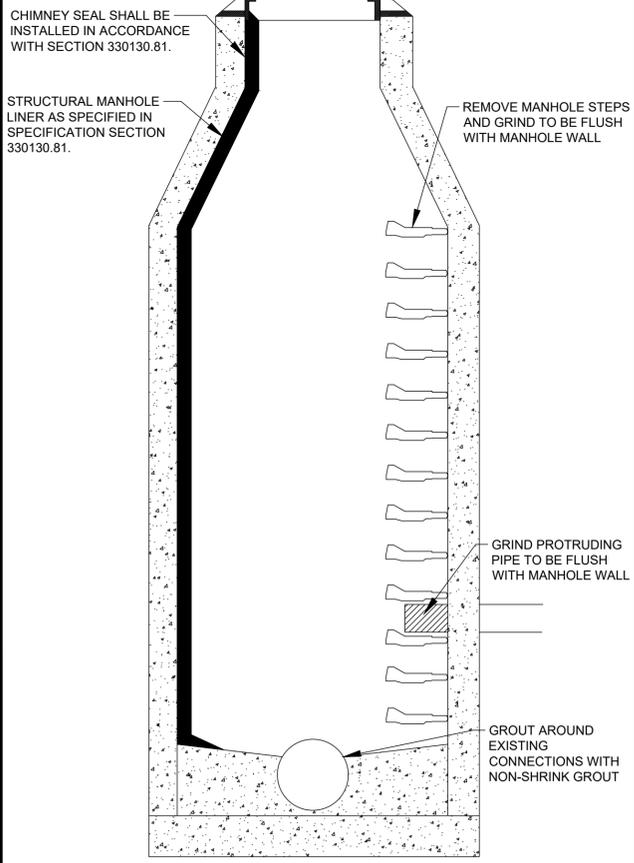
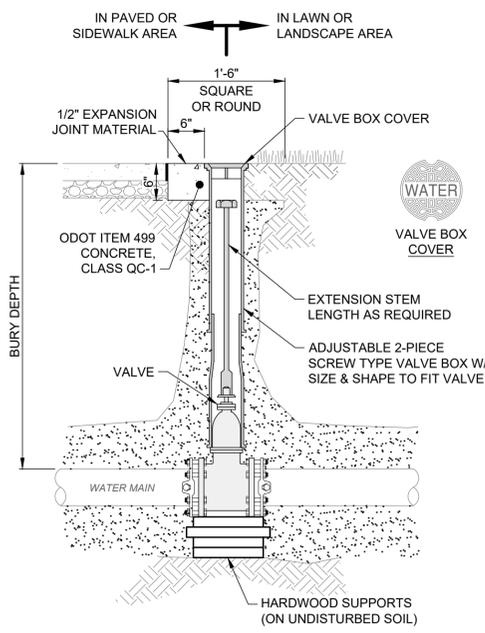
- NOTES:**
- DO NOT CUT AND CAP, OR ABANDON IN-PLACE, THE EX. WATER MAIN UNTIL THE NEW WATER MAIN IS DISINFECTED AND APPROVED.
 - ABANDON PORTIONS OF EX. WATER MAIN AS SHOWN ON UTILITY PLANS.

WATER MAIN RECONNECTION DETAIL
SCALE: NONE

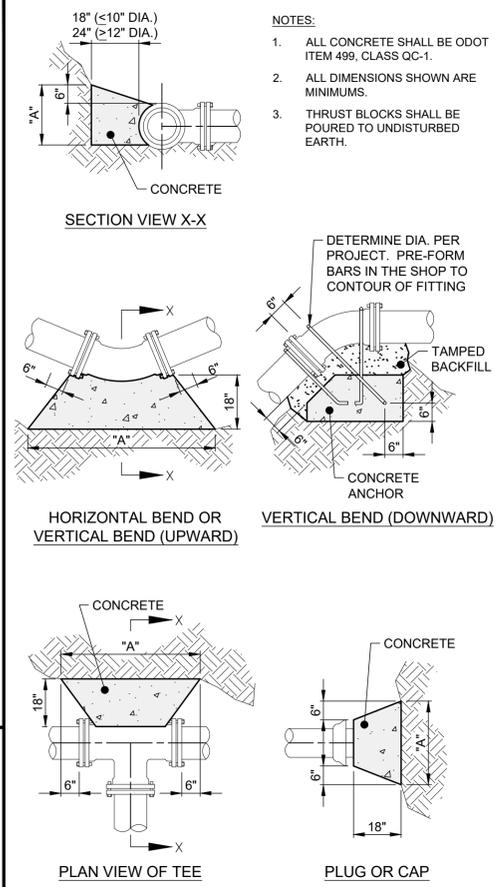


- STEP 1 INSTALLATION NOTES:**
- INSTALL TEE, VALVE, MJ GLANDS, SPOOL PIECE AND PIPE.
 - TEMPORARILY PLUG AND BRACE THE VALVE W/MJ PLUG.
- STEP 2 RECONNECTION NOTES:**
- AFTER THE NEW WATER MAIN IS APPROVED, CUT, CAP AND BRACE EX. SERVICE.
 - REMOVE TEMPORARY MJ PLUG FROM STEP 1 AND CONNECT NEW SERVICE W/BENDS AND SLEEVE.

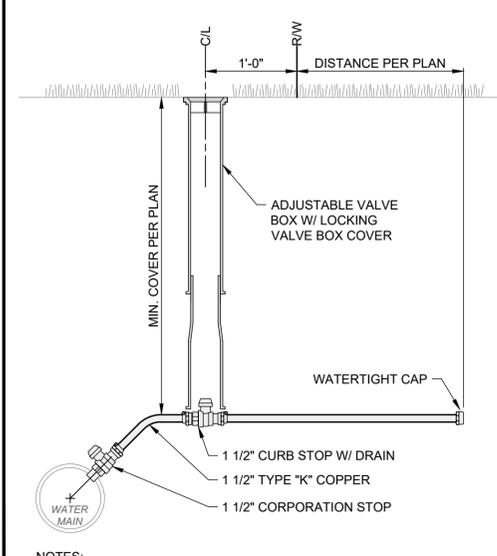
3" AND LARGER WATER SERVICE RECONNECTION DETAIL
SCALE: NONE



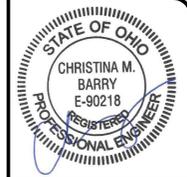
- NOTES:**
- REFER TO SPECIFICATION SECTION 330130.81
 - LINER SHALL OVERLAP FRAME BY 2" (MIN) AND BENCH BY 6" (MIN)



MIN. CONCRETE VOLUME FOR VERTICAL BENDS		"A" DIMENSIONS			
DIA.	VOLUME	HORIZONTAL BENDS		TEE	PLUG
6"	4 C.F.	90°	45°	22.5"	13"
8"	11 C.F.	17"	13"	9"	14"
10"	22 C.F.	23"	17"	12"	19"
12"	37 C.F.	28"	21"	15"	24"
16"	71 C.F.	34"	25"	18"	29"
		45"	33"	24"	38"



- NOTES:**
- THIS DETAIL SHOWS A 3/4" WATER SERVICE FOR REFERENCE ONLY. SEE UTILITY PLAN FOR ACTUAL SIZE.



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NO.	REVISION	DATE
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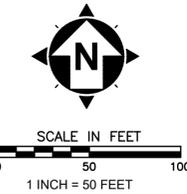
PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT - CONSTRUCTION DETAILS

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	DET4
SHEET	6
OF	41



LEGEND:

- CENTERLINE MONUMENT
- I.PIN SET
- I.PIN FOUND
- ⊙ I.PIPE FOUND
- EX. RW — LIMITS OF PUBLIC R/W
- CENTERLINE PUBLIC R/W
- PARCEL LINES
- SUBDIVISION LINES



NOTES:

1. THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY BE SUBJECT TO EASEMENTS AND OTHER RESTRICTIONS, EITHER RECORDED OR UNRECORDED. THE SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS, RECORD ENCUMBRANCES, RESTRICTIVE COVENANTS OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
2. THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
3. THE PROJECT CONTROL COORDINATE SYSTEM IS BASED UPON THE FOLLOWING:
 - HORIZONTAL DATUM - PROJECT CONTROL COORDINATES FOR THIS PROJECT HAVE BEEN ESTABLISHED BY GPS/RTK OBSERVATIONS UTILIZING THE OHIO COORDINATE SYSTEM OF 1983 (ZONE 3401-OHIO NORTH), OHIO STATE PLANE GRID COORDINATE VALUES ARE EXPRESSED IN UNITS OF U.S. SURVEY FEET.
 - VERTICAL DATUM - NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. THE SURVEY AND STREET ALIGNMENTS SHOWN HEREON WERE OBSERVED IN THE FIELD FOR CONSTRUCTION PURPOSES ONLY AND MAY NOT BE SUITABLE FOR PROPERTY LINE SURVEYS OR OTHER PURPOSES. THE PROPERTY LINES SHOWN HEREON OUR SUBJECT TO AN ACCURATE BOUNDARY SURVEY AND ARE BASED ON FOUND MONUMENTS LOCATED IN THE FIELD BEST FIT TO THE RECORDS.
5. AN ALTA/ NSPS LAND TITLE SURVEY WAS NOT PERFORMED.
6. EASEMENTS, RECORD RESTRICTIONS AND SETBACKS WERE NOT ADDRESSED DURING THIS SURVEY.
7. ALL DIMENSIONS GIVEN ARE EXPRESSED IN US SURVEY FEET.
8. THE BENCHMARK ELEVATIONS SHOWN IN THE PROJECT CONTROL TABLE ARE AT THE TOP OF THE RED CAP OF THE IRON PIN SET.
9. IRON PINS SET ARE 5/8" IRON PINS SET WITH A RED CAP INSCRIBED WITH "CT REF"

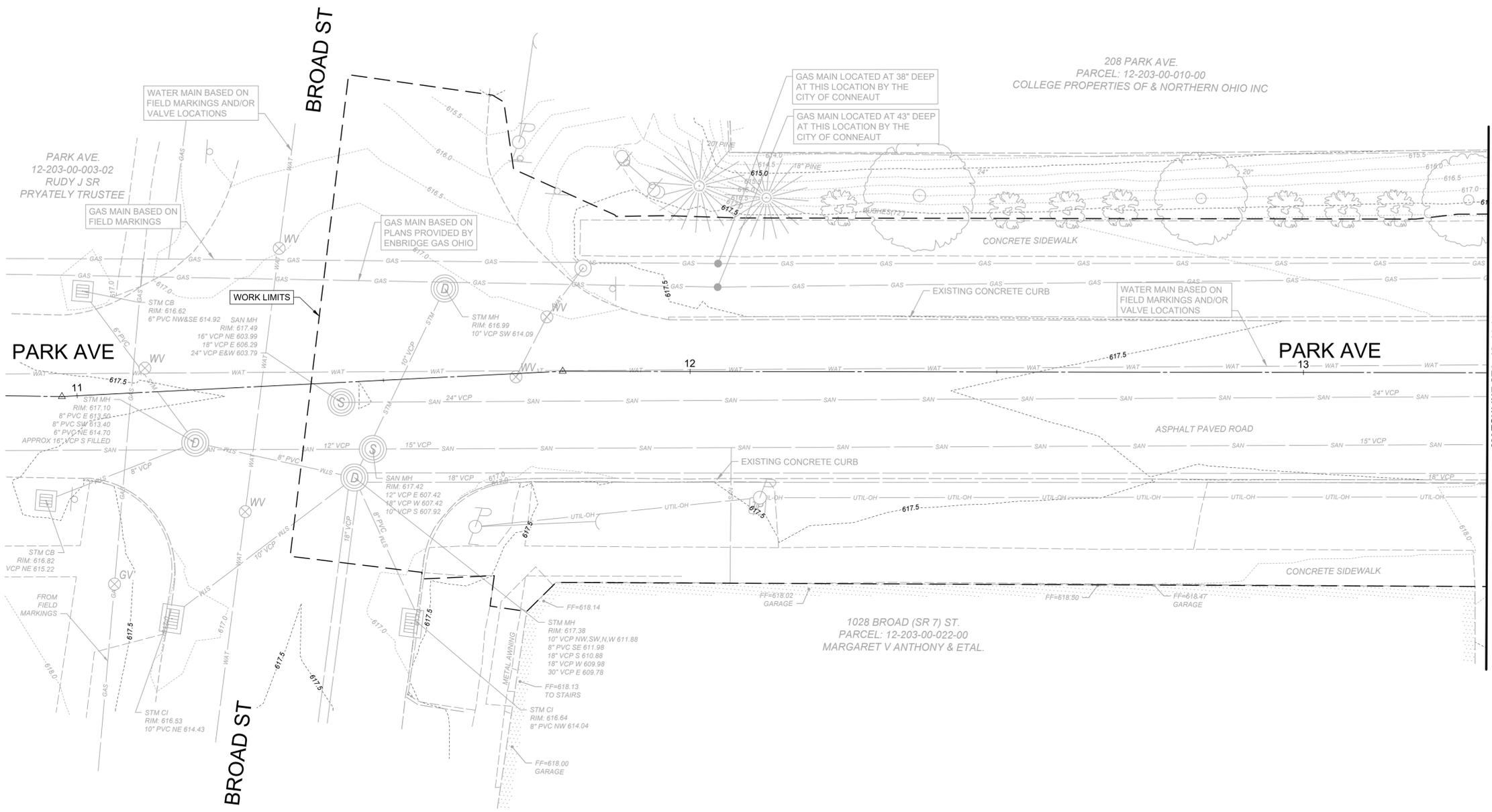
POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	843521.1009	2498305.8120		Iron Pin (Fnd)
2	843355.6910	2498318.9160		Iron Pin (Fnd)
20	843501.0704	2498616.8880		Iron Pin (Fnd)
21	843476.2097	2498201.5831		Hub (Set)
22	843544.4452	2498518.8873	621.49	Mag Nail (Set)
23	843352.9575	2498590.1327		Hub (Set)
24	843670.9784	2498565.6201		Spike (Fnd) RR SPIKE
25	843547.5899	2498459.7798		Hub (Set)
26	843532.5752	2498399.3345	619.40	Mag Nail (Set)
27	843497.2420	2497940.2836	617.12	Iron Pin (Set)
50	843526.2198	2498587.0591		Monument Box (Fnd)
51	843495.4108	2498565.5512		Mag Nail (Fnd) IN WALK
52	843494.4228	2498565.6622		Mag Nail (Fnd) IN WALK
53	843492.5263	2498571.7258	624.61	Benchmark (Set) M IN MUELLER
54	843547.5890	2498481.2174	620.63	Mag Nail (Fnd)
55	843507.5694	2498346.3930		Monument Box (Fnd) 1-14 I PIN FD
56	843535.9432	2498323.1824		Iron Pin (Fnd) 3-8 IN IPIN FD
57	843507.7079	2497944.7036		Iron Pin (Fnd)
58	843309.0095	2497931.5005		Iron Pin (Fnd)
59	843274.8522	2498004.1163		Iron Pin (Fnd)
60	843513.1229	2498020.2904		Iron Pin (Fnd)
725	844091.1059	2497832.9590		Iron Pin (Fnd)
730	843526.1983	2498587.0900		Monument Box (Fnd)



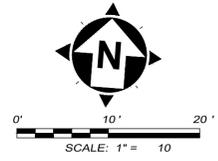
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11/3/2025	01	PTI REVISION - 1	11/7/2026	

**PARK ST AND DAY ST
IMPROVEMENTS - PART B
- CONNEAUT -
SURVEY CONTROL**

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	CONTROL
SHEET	7
OF	41



MATCHLINE STA. 13+30.00



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EXISTING CONDITION NOTES

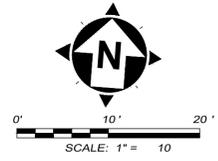
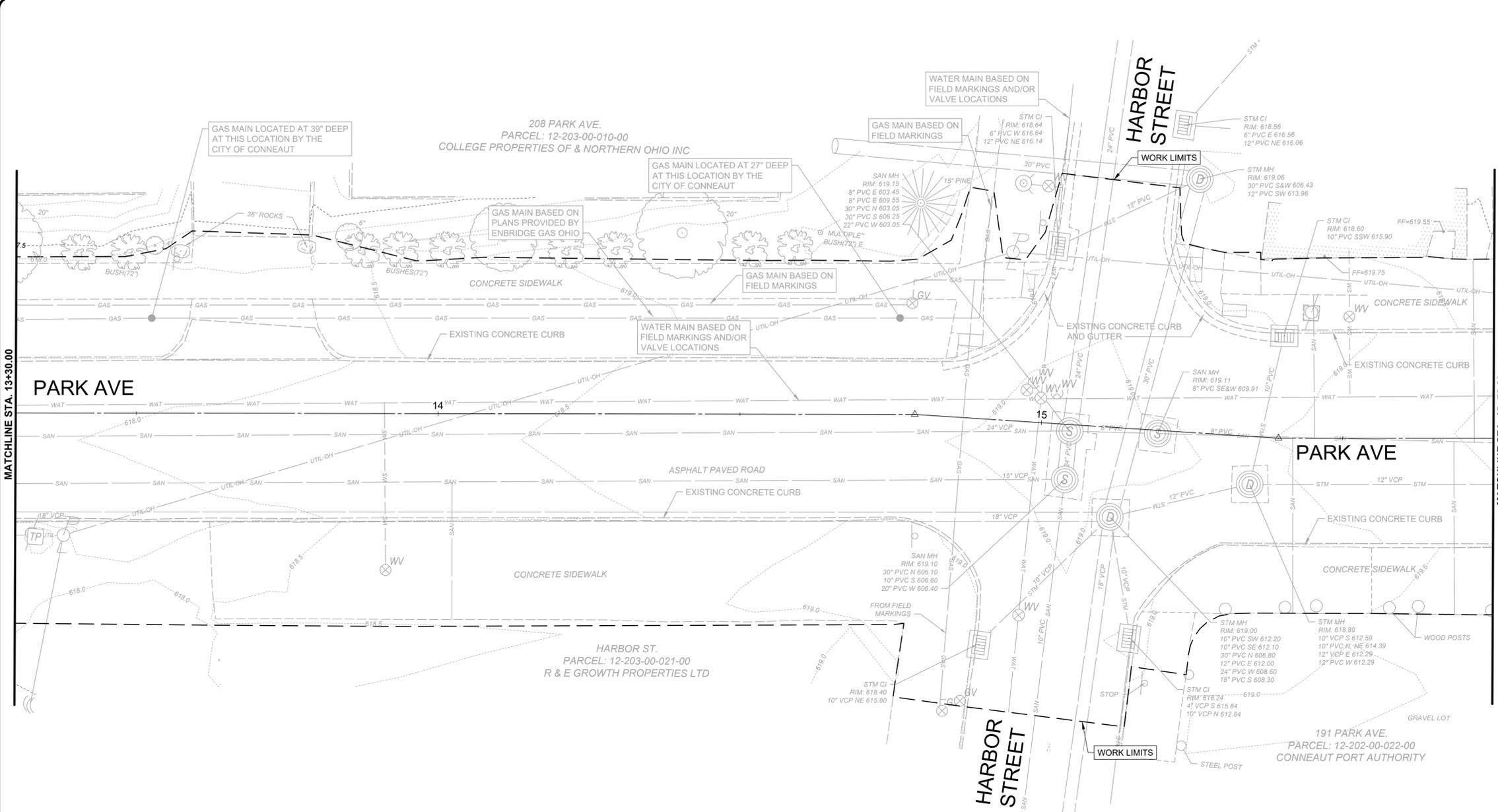
- EXISTING CONDITIONS ARE BASED ON FIELD SURVEY PERFORMED BY VERDANTAS DATED 05/09/2024.
- WATER LATERALS ARE SHOWN BASED ON THE LOCATION OF WATER METERS AND VALVES IN THE ROADWAY.
- SANITARY SEWER LATERALS ARE SHOWN AT THE MAIN BASED ON CCTV AND PLANS PROVIDED BY THE CITY OF CONNEAUT AND EXTENDED TO THE BUILDINGS/ROW LINE. CONTRACTOR TO FIELD VERIFY.
- GAS MAINS ARE SHOWN BASED ON PLANS PROVIDED BY ENBRIDGE GAS OHIO AND NOTED AND DOCUMENTED FIELD EXPLORATION THAT MAY HAVE BEEN CONDUCTED.

ISSUED FOR:	90% REVIEW	NO	REVISION	DATE
ISSUE DATE:	11/3/2025	01	PTI REVISION - 1	11/7/2026
SCALE:	AS SHOWN			
DESIGNED BY:	C.BARRY			
DRAWN BY:	C.BARRY			
CHECKED BY:	C.KOGELENIK			

PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT -

EXISTING CONDITIONS PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	EXCOND1
SHEET	8
OF	41



- EXISTING CONDITION NOTES**
- EXISTING CONDITIONS ARE BASED ON FIELD SURVEY PERFORMED BY VERDANTAS DATED 05/09/2024.
 - WATER LATERALS ARE SHOWN BASED ON THE LOCATION OF WATER METERS AND VALVES IN THE ROADWAY.
 - SANITARY SEWER LATERALS ARE SHOWN AT THE MAIN BASED ON CCTV AND PLANS PROVIDED BY THE CITY OF CONNEAUT AND EXTENDED TO THE BUILDINGS/ROW LINE. CONTRACTOR TO FIELD VERIFY.
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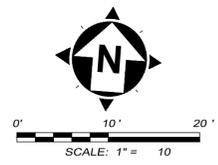
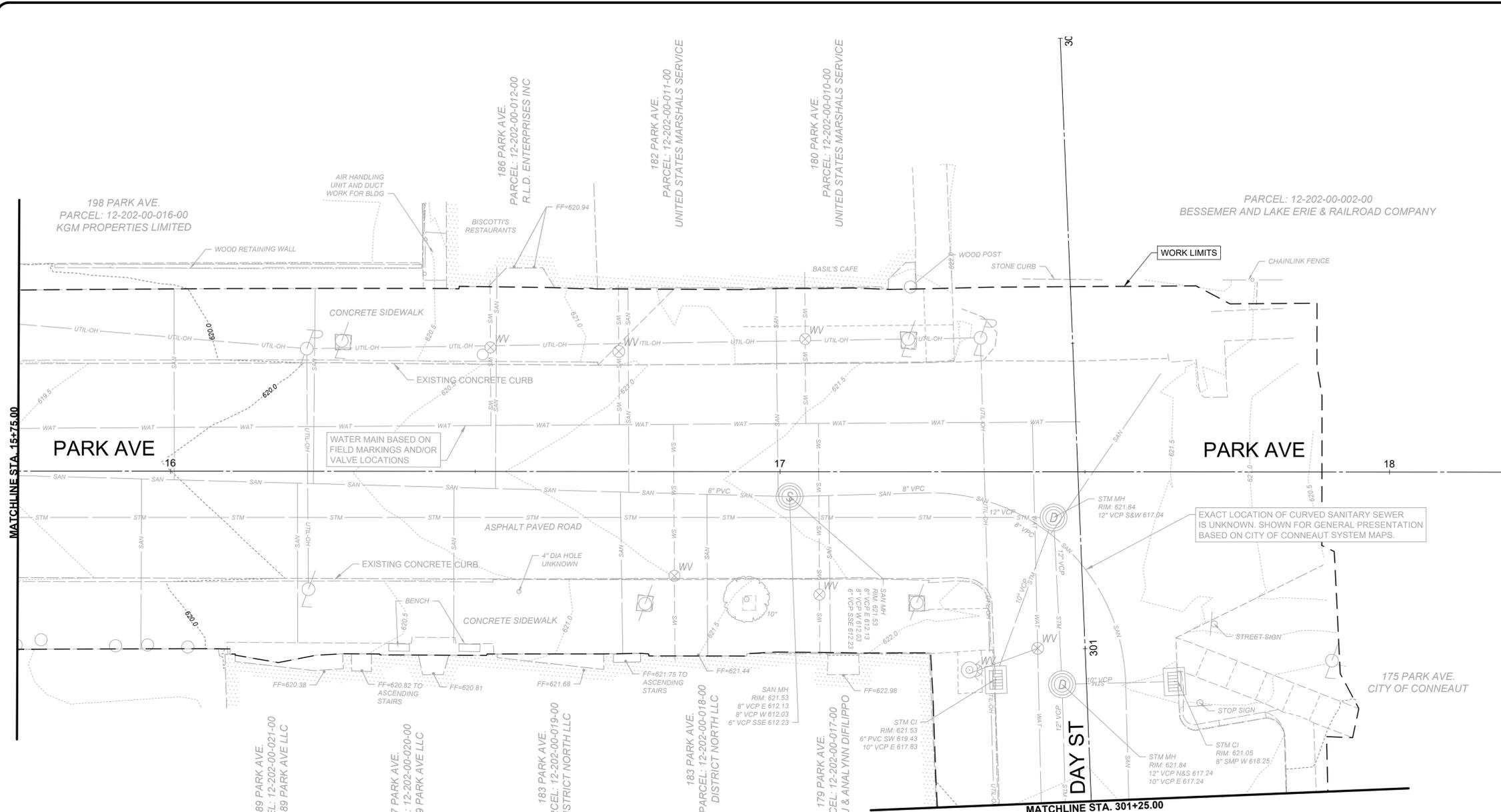
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SCALE:	AS SHOWN			
DESIGNED BY:	C.BARRY			
DRAWN BY:	C.BARRY			
CHECKED BY:	C.KOSELNIK			

**PARK ST AND DAY ST
IMPROVEMENTS - PART B
- CONNEAUT -**

EXISTING CONDITIONS PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	EXCOND2
SHEET	9
OF	41



- EXISTING CONDITION NOTES**
- EXISTING CONDITIONS ARE BASED ON FIELD SURVEY PERFORMED BY VERDANTAS DATED 05/09/2024.
 - WATER LATERALS ARE SHOWN BASED ON THE LOCATION OF WATER METERS AND VALVES IN THE ROADWAY.
 - SANITARY SEWER LATERALS ARE SHOWN AT THE MAIN BASED ON CCTV AND PLANS PROVIDED BY THE CITY OF CONNEAUT AND EXTENDED TO THE BUILDINGS/ROW LINE. CONTRACTOR TO FIELD VERIFY.
 - GAS MAINS ARE SHOWN BASED ON PLANS PROVIDED BY ENBRIDGE GAS OHIO AND NOTED AND DOCUMENTED FIELD EXPLORATION THAT MAY HAVE BEEN CONDUCTED.



ISSUED FOR:	90% REVIEW	NO	REVISION	DATE
ISSUE DATE:	11/3/2025	01	PTI REVISION - 1	11/7/2026
SCALE:	AS SHOWN			
DESIGNED BY:	C. BARRY			
DRAWN BY:	C. BARRY			
CHECKED BY:	C. KOEHLNIK			

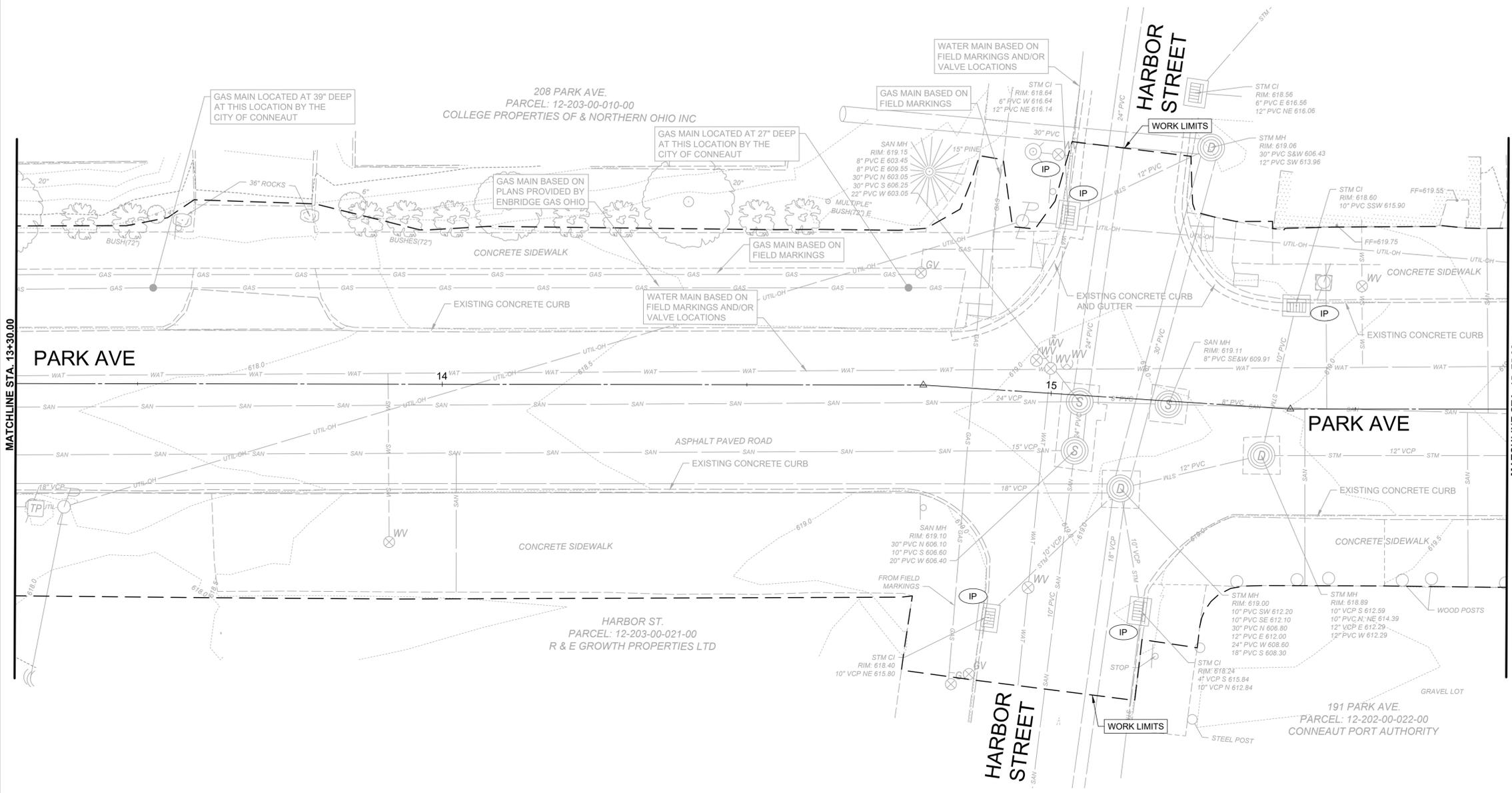
PARK ST AND DAY ST IMPROVEMENTS - PART B
- CONNEAUT -

EXISTING CONDITIONS PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	EXCOND3
SHEET	OF
10	41

MATCHLINE STA. 13+30.00

MATCHLINE STA. 15+75.00



0' 10' 20'
SCALE: 1" = 10'

EROSION CONTROL NOTES

1. REFER TO SWPPP PLAN FOR ADDITIONAL DETAILS.
2. CONTRACTOR TO PROVIDE PROVISIONS FOR TRUCK CLEANING UPON EXITING SITE SUCH AS CONSTRUCTION ENTRANCES.

EROSION CONTROL LEGEND

- IP INLET PROTECTION (SEE DETAIL)
- CE CONSTRUCTION ENTRANCE
- WA CONCRETE WASHOUT
- SF PROPOSED SILT FENCE / FILTER SOCK



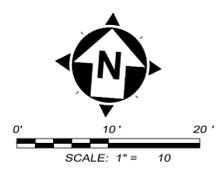
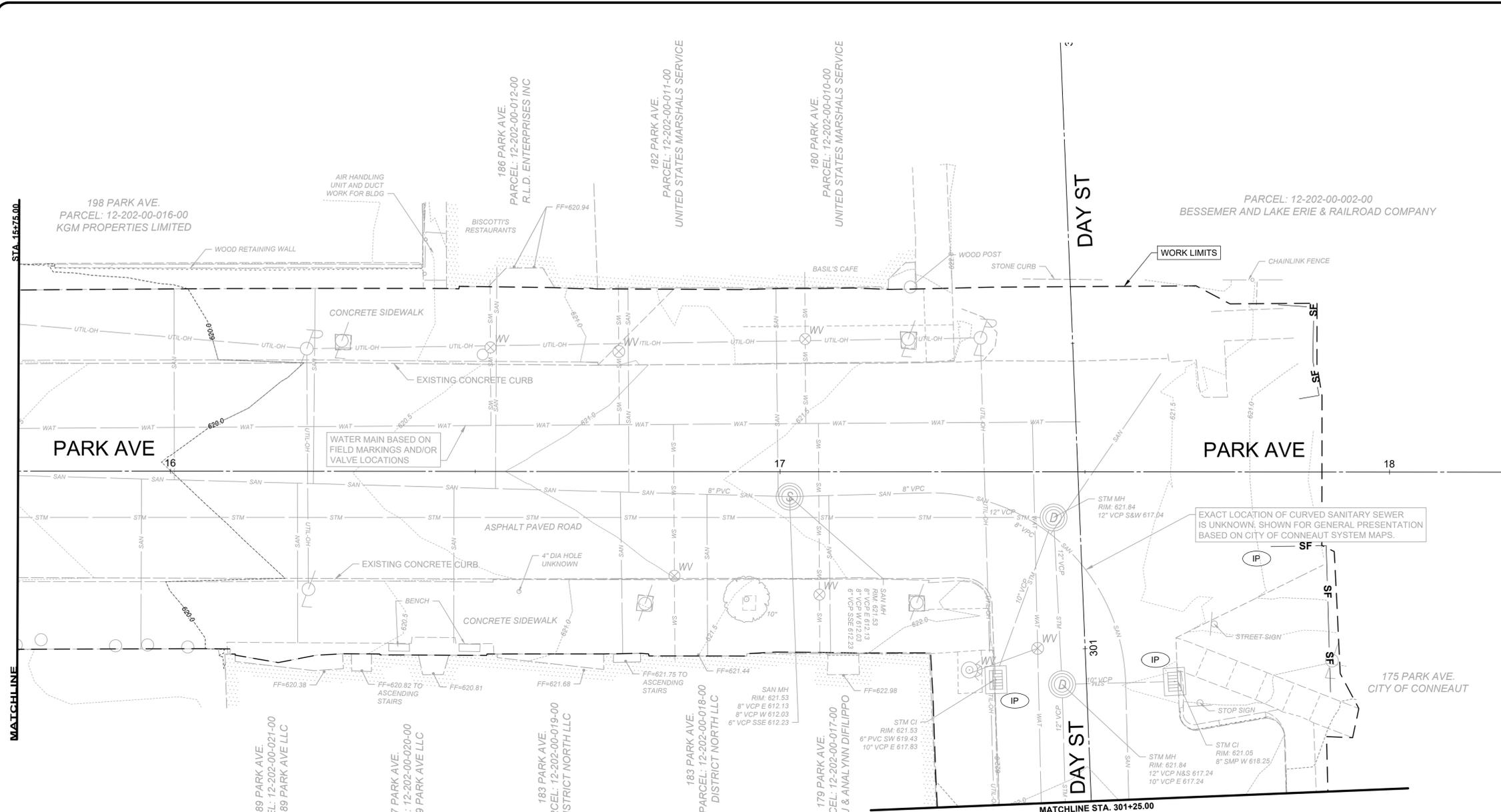
verdantas

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SCALE:	AS SHOWN			
DESIGNED BY:	C.BARRY			
DRAWN BY:	C.BARRY			
CHECKED BY:	C.KOSELNIK			

PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT -

EROSION CONTROL PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	EC2
SHEET	13
OF	41



- EROSION CONTROL NOTES**
- REFER TO SWPPP PLAN FOR ADDITIONAL DETAILS.
 - CONTRACTOR TO PROVIDE PROVISIONS FOR TRUCK CLEANING UPON EXITING SITE SUCH AS CONSTRUCTION ENTRANCES.

- EROSION CONTROL LEGEND**
- IP INLET PROTECTION (SEE DETAIL)
 - CE CONSTRUCTION ENTRANCE
 - WA CONCRETE WASHOUT
 - PROPOSED SILT FENCE / FILTER SOCK

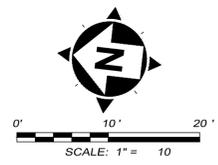
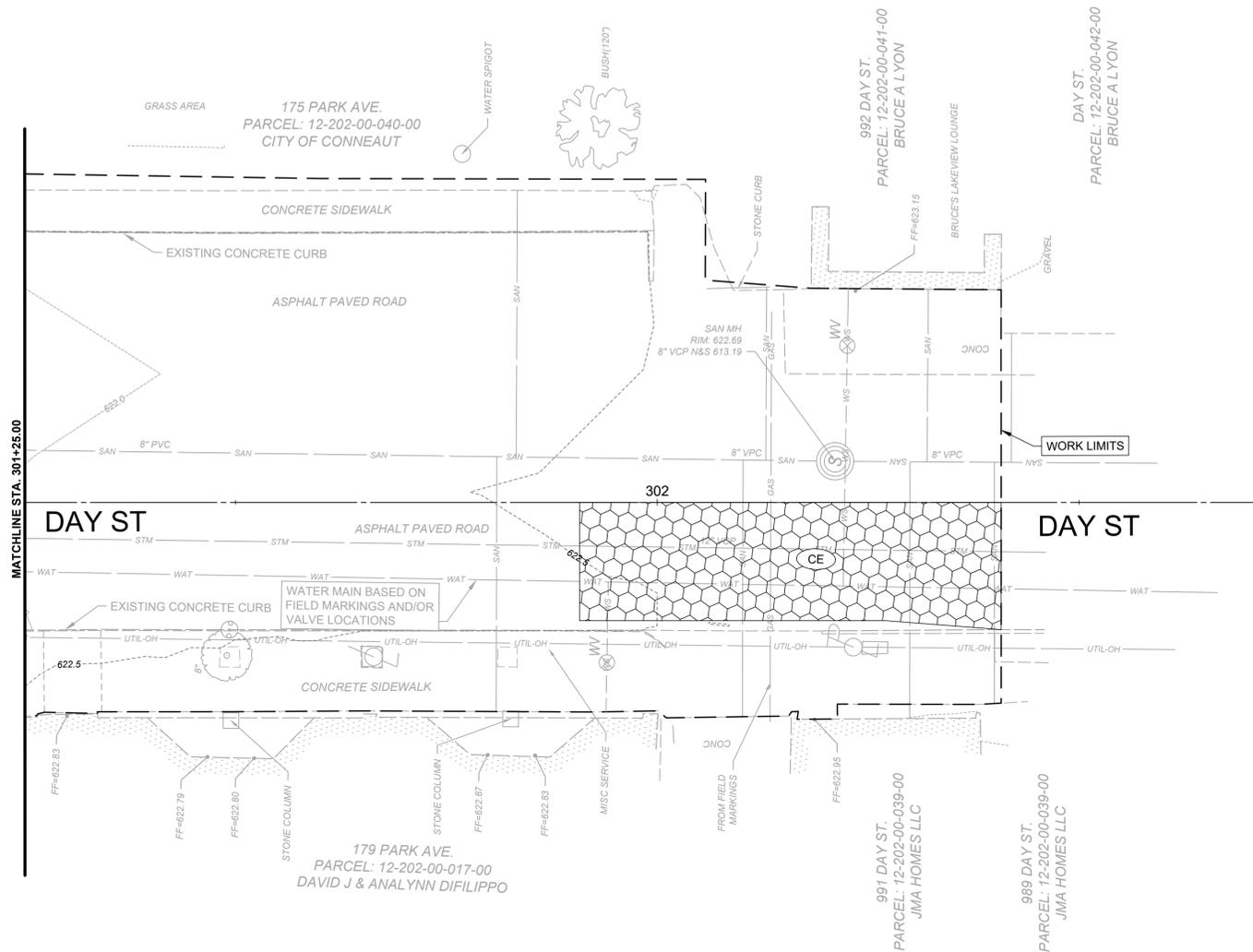


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CHECKED BY:	C. KOEHLNIK			

**PARK ST AND DAY ST
IMPROVEMENTS - PART B
- CONNEAUT -**

EROSION CONTROL PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	EC3
SHEET	14
OF	41



- EROSION CONTROL NOTES**
1. REFER TO SWPPP PLAN FOR ADDITIONAL DETAILS.
 2. CONTRACTOR TO PROVIDE PROVISIONS FOR TRUCK CLEANING UPON EXITING SITE SUCH AS CONSTRUCTION ENTRANCES.

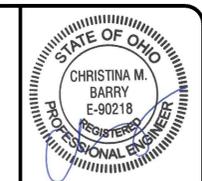
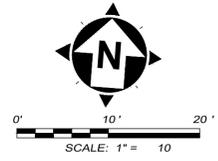
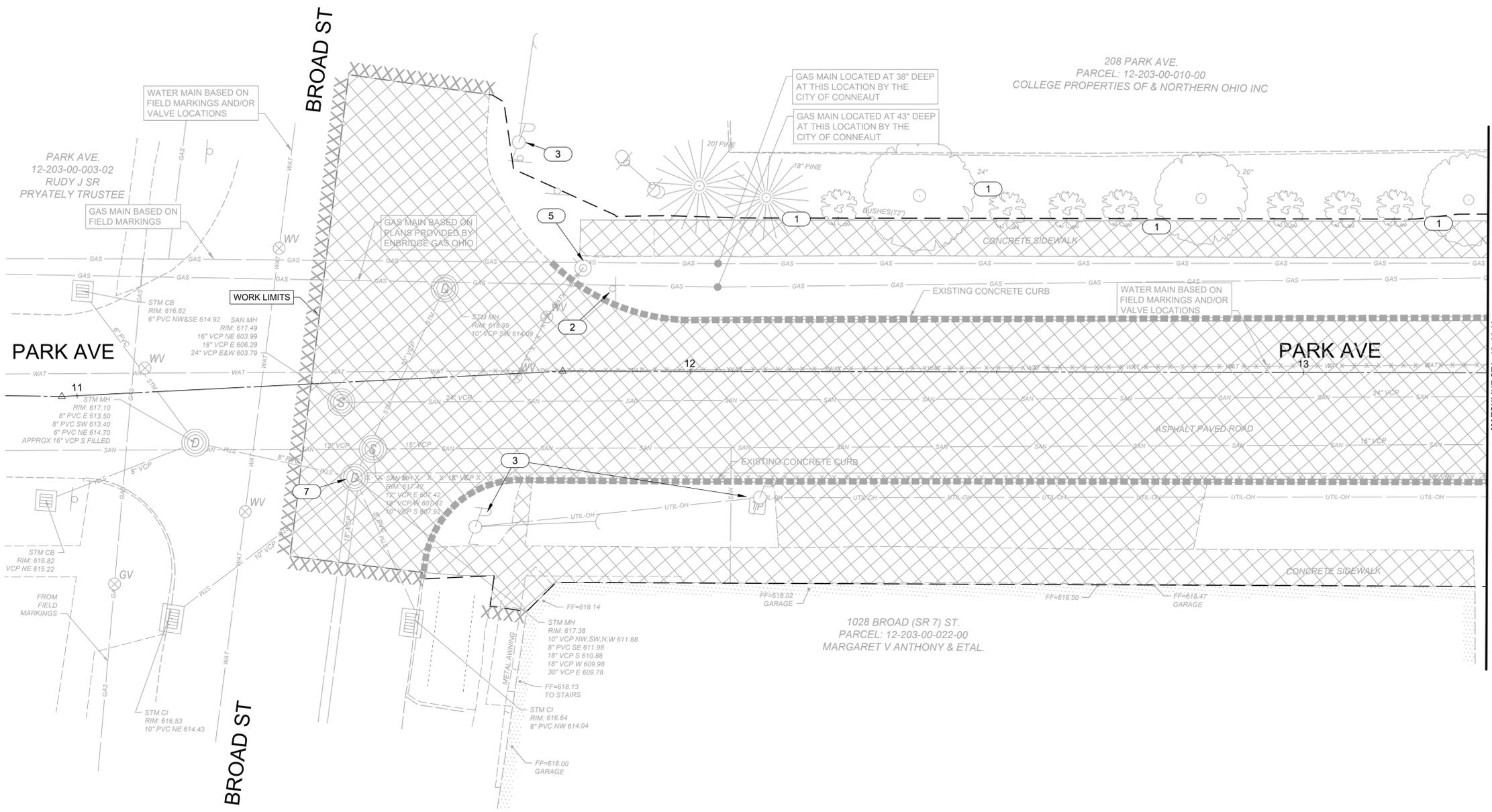
- EROSION CONTROL LEGEND**
- IP INLET PROTECTION (SEE DETAIL)
 - CE CONSTRUCTION ENTRANCE
 - WA CONCRETE WASHOUT
 - SF** PROPOSED SILT FENCE / FILTER SOCK



ISSUED FOR:	90% REVIEW	NO	REVISION	DATE
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CHECKED BY:	C. KOEHLNIK			

**PARK ST AND DAY ST
IMPROVEMENTS - PART B
- CONNEAUT -
EROSION CONTROL PLAN**

PROJECT NO. 241751	
DISCIPLINE CIVIL	
SHEET NAME EC4	
SHEET 15	OF 41



DEMOLITION NOTES

- CONTRACTOR TO PROVIDE VEHICULAR AND PEDESTRIAN ACCESS TO BUSINESSES AT ALL TIMES.

DEMOLITION KEY NOTES

- PROTECT EXISTING TREES.
- REMOVE AND DISPOSE OF EXISTING SIGN.
- PROTECT EXISTING SITE LIGHTING/POWER POLES.
- REMOVE AND REPLACE WOOD DECORATIVE POLES.
- REMOVE EXISTING HYDRANT.
- REMOVE EXISTING STORM INLET.
- REMOVE EXISTING STORM MANHOLE.
- REMOVE AND SALVAGE EXISTING BENCHES.

HATCH LEGEND

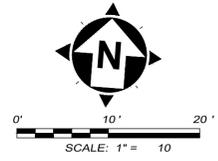
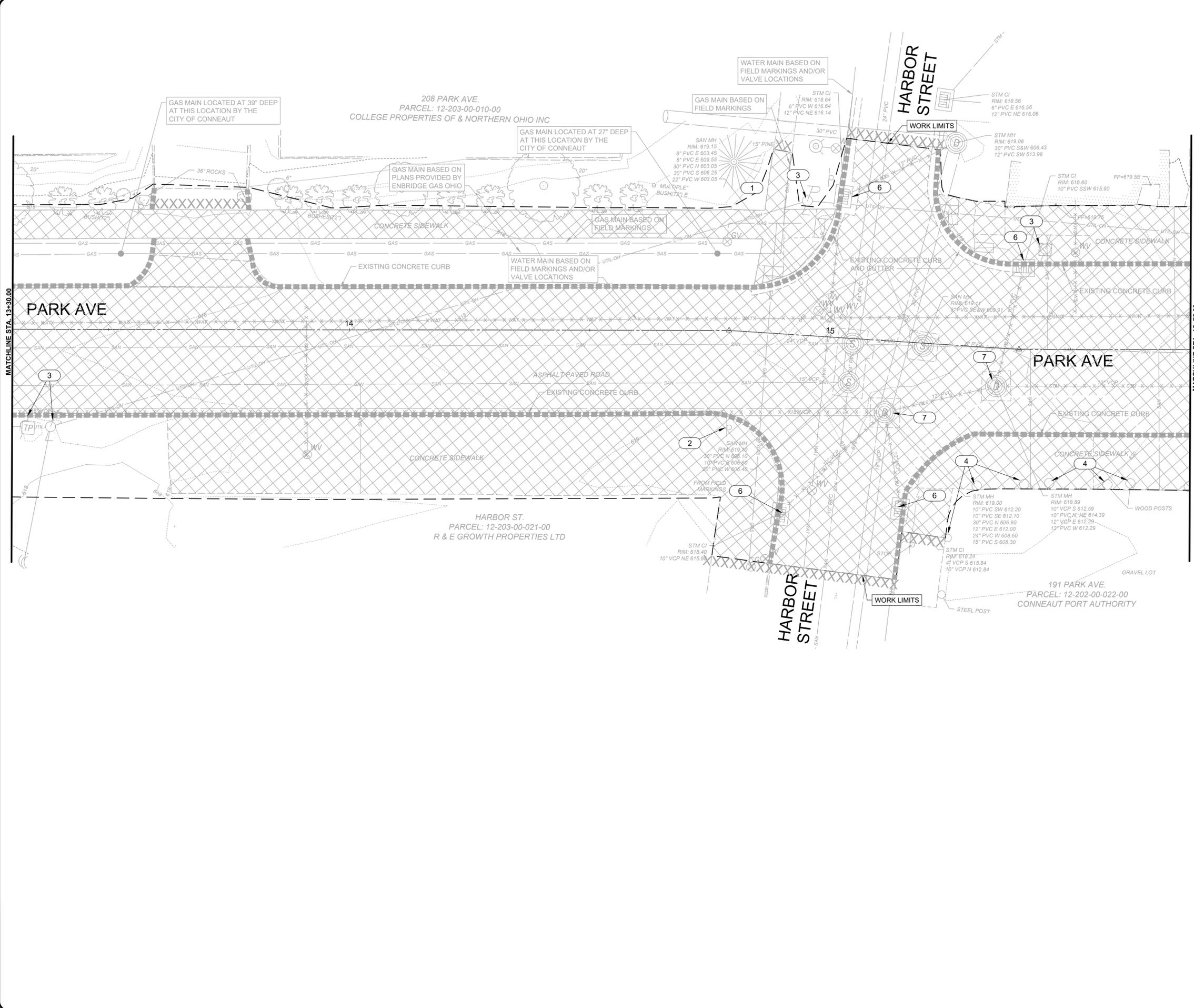
	EXISTING PAVEMENT TO BE REMOVED
	EXISTING CURB TO BE REMOVED
	SAWCUT EXISTING PAVEMENT/CURB
	REMOVE EXISTING UTILITY - REFER TO UTILITY PLANS FOR DETAILS
	REMOVE EXISTING TREE AND STUMP

ISSUED FOR:	90% REVIEW	NO	REVISION	DATE
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SCALE:	AS SHOWN			
DESIGNED BY:	C.BARRY			
DRAWN BY:	C.BARRY			
CHECKED BY:	C.KOGELEK			

PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT -

DEMOLITION PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	DEMO1
SHEET	16
OF	41



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DEMOLITION NOTES

- CONTRACTOR TO PROVIDE VEHICULAR AND PEDESTRIAN ACCESS TO BUSINESSES AT ALL TIMES.

DEMOLITION KEY NOTES

- PROTECT EXISTING TREES.
- REMOVE AND DISPOSE OF EXISTING SIGN.
- PROTECT EXISTING SITE LIGHTING/POWER POLES.
- REMOVE AND REPLACE WOOD DECORATIVE POLES.
- REMOVE EXISTING HYDRANT.
- REMOVE EXISTING STORM INLET.
- REMOVE EXISTING STORM MANHOLE.
- REMOVE AND SALVAGE EXISTING BENCHES.

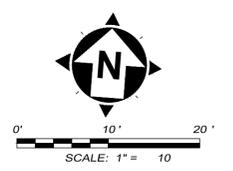
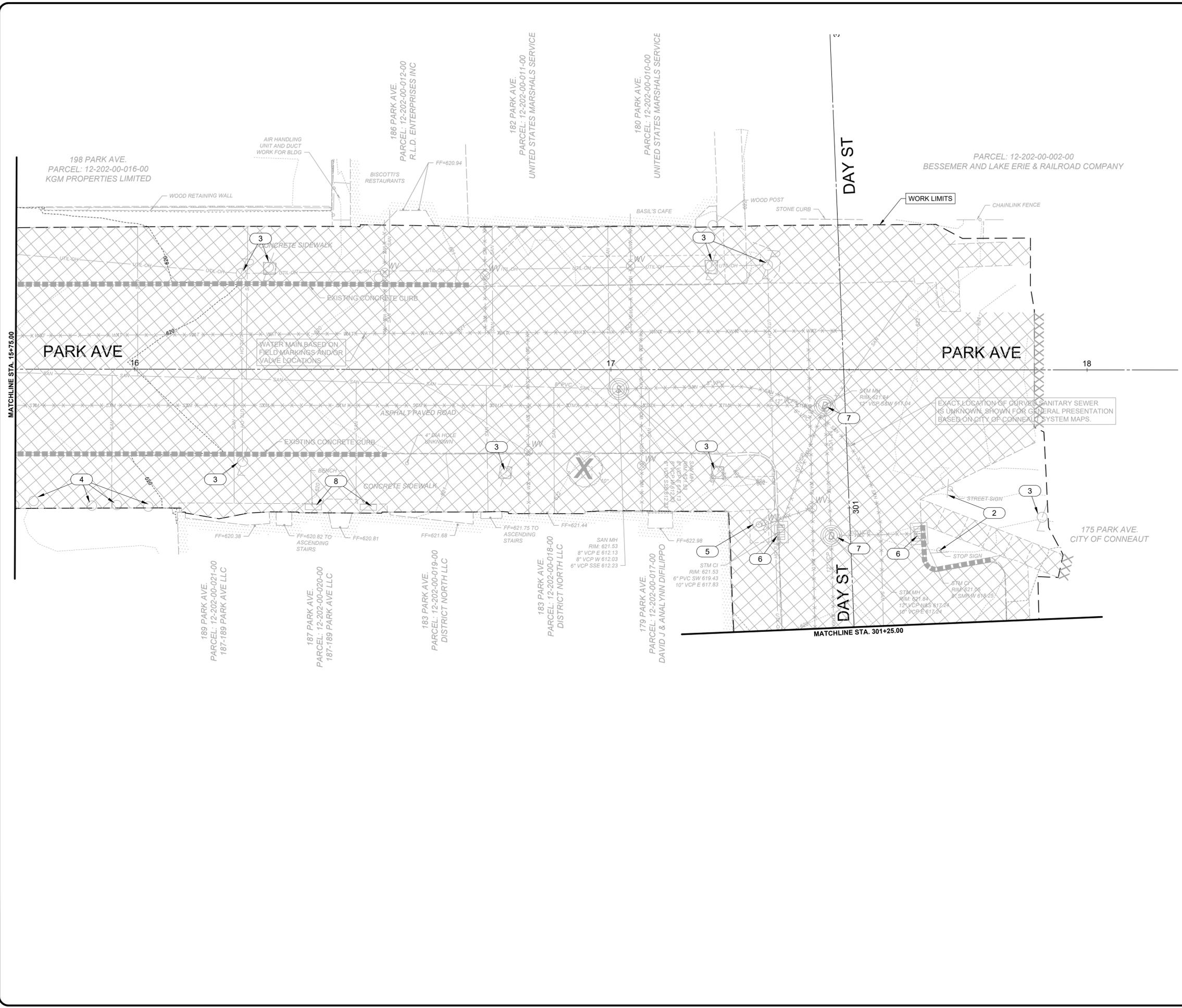
HATCH LEGEND

	EXISTING PAVEMENT TO BE REMOVED
	EXISTING CURB TO BE REMOVED
	SAWCUT EXISTING PAVEMENT/CURB
	REMOVE EXISTING UTILITY - REFER TO UTILITY PLANS FOR DETAILS
	REMOVE EXISTING TREE AND STUMP

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CHECKED BY:	C.KOGELEK			

PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT - DEMOLITION PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	DEMO2
SHEET	17
OF	41



DEMOLITION NOTES

1. CONTRACTOR TO PROVIDE VEHICULAR AND PEDESTRIAN ACCESS TO BUSINESSES AT ALL TIMES.

DEMOLITION KEY NOTES

- 1 PROTECT EXISTING TREES.
- 2 REMOVE AND DISPOSE OF EXISTING SIGN.
- 3 PROTECT EXISTING SITE LIGHTING/POWER POLES.
- 4 REMOVE AND REPLACE WOOD DECORATIVE POLES.
- 5 REMOVE EXISTING HYDRANT.
- 6 REMOVE EXISTING STORM INLET.
- 7 REMOVE EXISTING STORM MANHOLE.
- 8 REMOVE AND SALVAGE EXISTING BENCHES.

HATCH LEGEND

- EXISTING PAVEMENT TO BE REMOVED
- EXISTING CURB TO BE REMOVED
- SAWCUT EXISTING PAVEMENT/CURB
- REMOVE EXISTING UTILITY - REFER TO UTILITY PLANS FOR DETAILS
- REMOVE EXISTING TREE AND STUMP

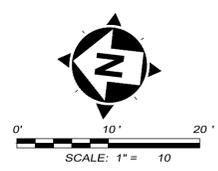
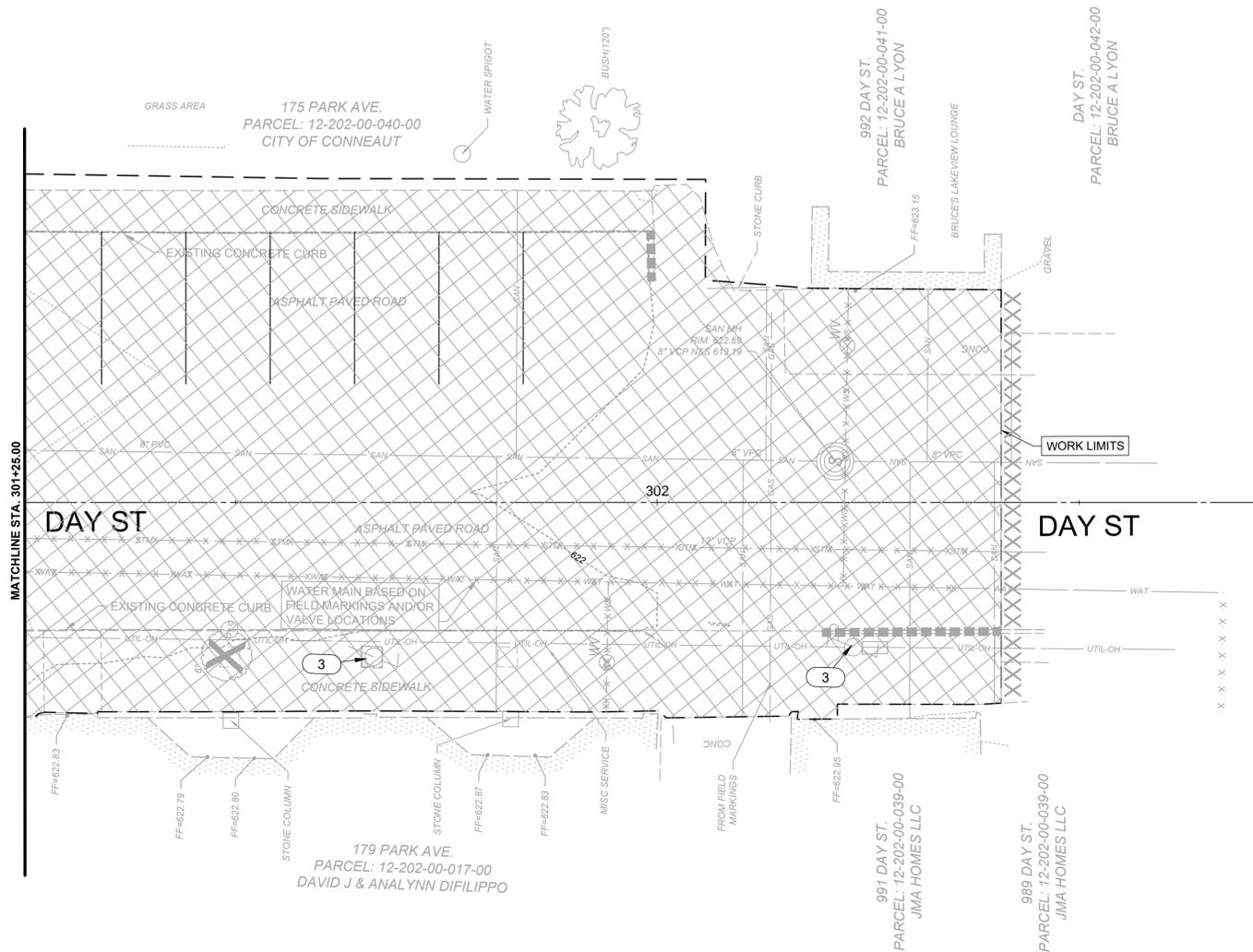


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DESIGNED BY:	C. BARRY			
DRAWN BY:	C. BARRY			
CHECKED BY:	C. KOEHLER			

PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT -

DEMOLITION PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	DEMO3
SHEET	18
OF	41



DEMOLITION NOTES

1. CONTRACTOR TO PROVIDE VEHICULAR AND PEDESTRIAN ACCESS TO BUSINESSES AT ALL TIMES.

DEMOLITION KEY NOTES

1. PROTECT EXISTING TREES.
2. REMOVE AND DISPOSE OF EXISTING SIGN.
3. PROTECT EXISTING SITE LIGHTING/POWER POLES.
4. REMOVE AND REPLACE WOOD DECORATIVE POLES.
5. REMOVE EXISTING HYDRANT.
6. REMOVE EXISTING STORM INLET.
7. REMOVE EXISTING STORM MANHOLE.
8. REMOVE AND SALVAGE EXISTING BENCHES.

HATCH LEGEND

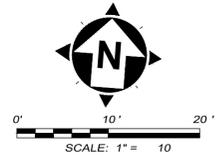
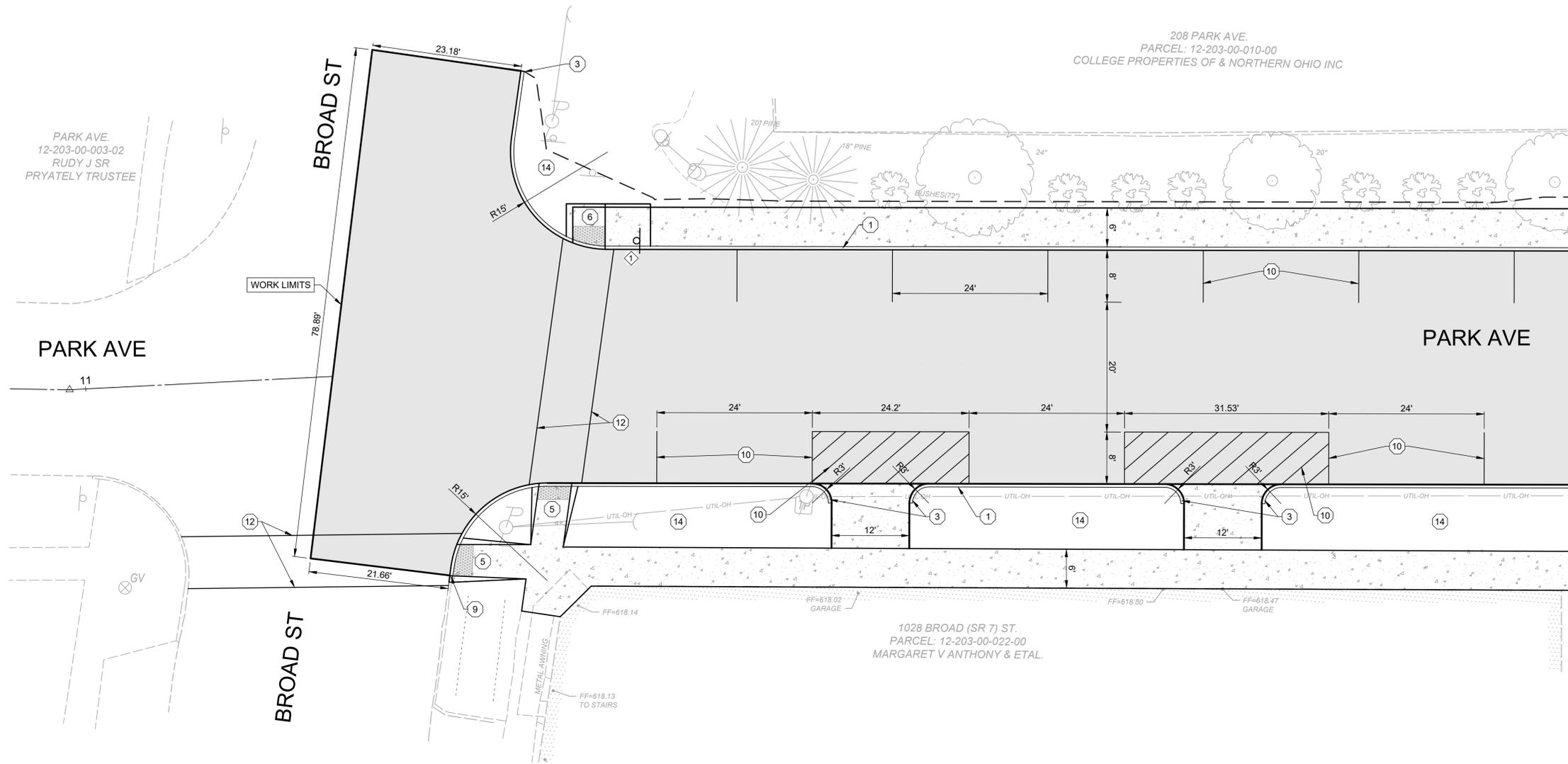
- EXISTING PAVEMENT TO BE REMOVED
- EXISTING CURB TO BE REMOVED
- SAWCUT EXISTING PAVEMENT/CURB
- REMOVE EXISTING UTILITY - REFER TO UTILITY PLANS FOR DETAILS
- REMOVE EXISTING TREE AND STUMP

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DESIGNED BY:	C. BARRY			
DRAWN BY:	C. BARRY			
CHECKED BY:	C. KOEHLNIK			

PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT -

DEMOLITION PLAN

PROJECT NO.		241751
DISCIPLINE		CIVIL
SHEET NAME		DEMO4
SHEET	OF	
19	41	



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GENERAL CONSTRUCTION NOTES

- ① ITEM 609 - TYPE 6 CURB.
- ② ITEM 609 - 18" TYPE 2 CURB AND GUTTER.
- ③ ITEM 609 - TAPER CURB OVER 6" TO MATCH EXISTING CONDITIONS.
- ④ ITEM 608 - CURB RAMP, TYPE A1
- ⑤ ITEM 608 - CURB RAMP, TYPE A2
- ⑥ ITEM 608 - CURB RAMP, TYPE B1
- ⑦ ITEM 608 - CURB RAMP, TYPE B3
- ⑧ ITEM 608 - CURB RAMP, TYPE D
- ⑨ ITEM 608 - CONNECT TO EXISTING CONCRETE CURB AND/OR SIDEWALK
- ⑩ ITEM 644 - 4" PARKING LINE, WHITE.
- ⑪ ITEM 644 - 8" CHANNELIZING LINE, WHITE.
- ⑫ ITEM 644 - CROSSWALK LINE, WHITE.
- ⑬ ITEM SPL - GALVANIZED STEEL POST, SEE NOTE 2.
- ⑭ ITEM 659 - 6" TOPSOIL, SEED AND MULCH ON PREPARED SUBGRADE.

HATCH LEGEND

- ASPHALT PAVEMENT, SEE DETAIL SHEET
- CONCRETE SIDEWALK, SEE DETAIL SHEET
- SIGN POST, SEE DETAIL SHEET

SIGN KEYNOTES

①		R1-1 30X30
②		R1-1 24X30
③	CITY OF CONNEAUT STREET SIGN	

NOTES:

- 1. ALL SIGNS AND POSTS ARE TO BE REMOVED PER ODOT ITEM 630. EXISTING SIGNS THAT ARE TO BE REPLACED SHALL BE IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- 2. CONTRACTOR TO REMOVE AND REPLACE EXISTING WOOD POSTS IN-PLACE WITH GALVANIZED STEEL POSTS AS PER THE DETAIL TO MATCH THE EXISTING STEEL POSTS ALONG HARBOR STREET. PAYMENT FOR SAID WORK WILL BE BASED ON EACH INSTALLED.

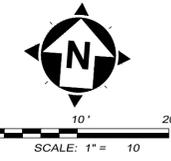
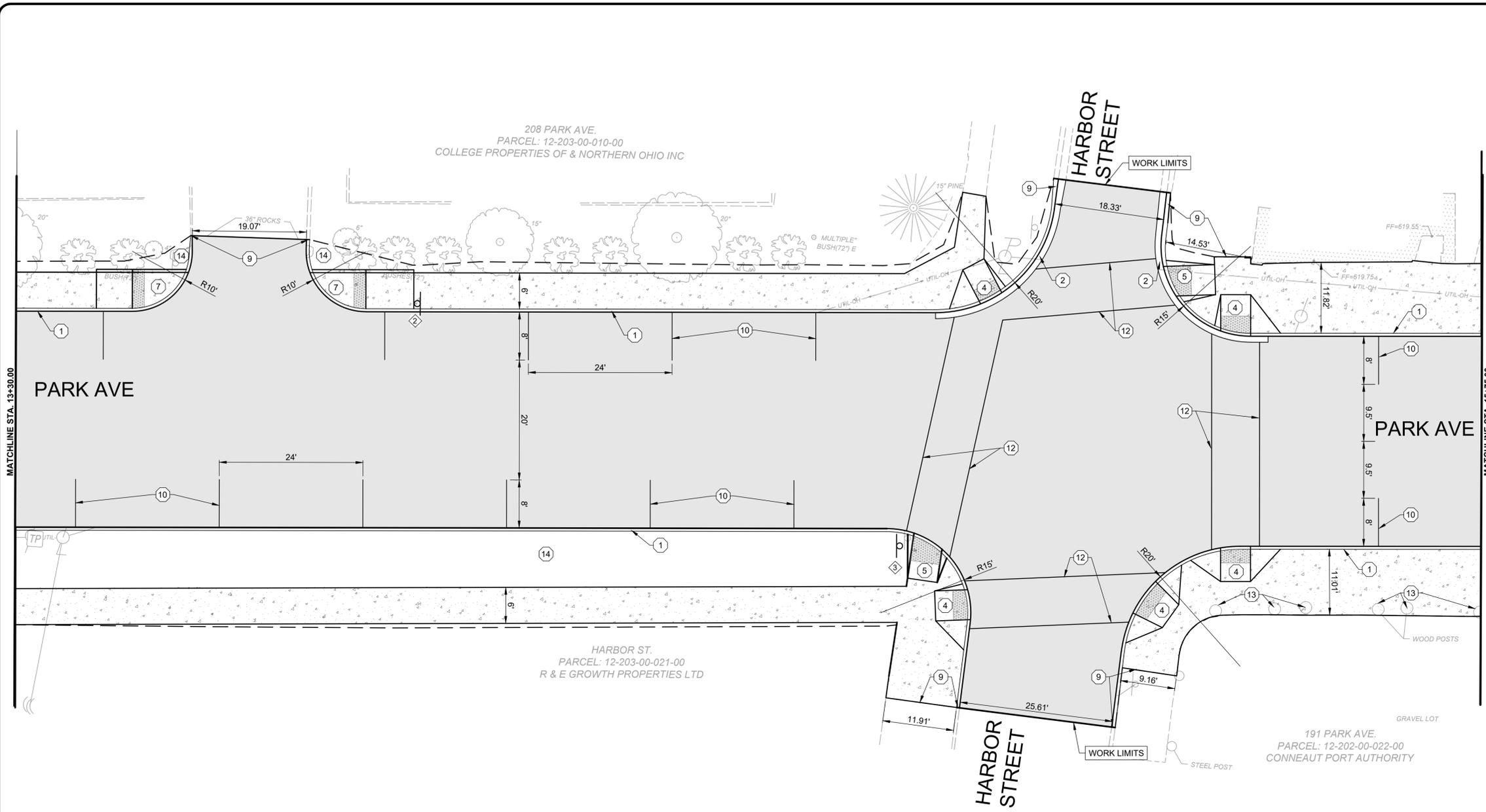
NO	REVISION	DATE
01	PTI REVISION - 1	1/7/2026

ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
90% REVIEW	11/3/2025	AS SHOWN	C.BARRY	C.BARRY	C.KOGELNIK

**PARK ST AND DAY ST
IMPROVEMENTS - PART B
- CONNEAUT -**

SITE PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	SITE1
SHEET	20
OF	41



verdantas

GENERAL CONSTRUCTION NOTES

- 1 ITEM 609 - TYPE 6 CURB.
- 2 ITEM 609 - 18" TYPE 2 CURB AND GUTTER.
- 3 ITEM 609 - TAPER CURB OVER 6" TO MATCH EXISTING CONDITIONS.
- 4 ITEM 608 - CURB RAMP, TYPE A1
- 5 ITEM 608 - CURB RAMP, TYPE A2
- 6 ITEM 608 - CURB RAMP, TYPE B1
- 7 ITEM 608 - CURB RAMP, TYPE B3
- 8 ITEM 608 - CURB RAMP, TYPE D
- 9 ITEM 608 - CONNECT TO EXISTING CONCRETE CURB AND/OR SIDEWALK
- 10 ITEM 644 - 4" PARKING LINE, WHITE.
- 11 ITEM 644 - 8" CHANNELIZING LINE, WHITE.
- 12 ITEM 644 - CROSSWALK LINE, WHITE.
- 13 ITEM SPL - GALVANIZED STEEL POST, SEE NOTE 2.
- 14 ITEM 659 - 6" TOPSOIL, SEED AND MULCH ON PREPARED SUBGRADE.

HATCH LEGEND

-  ASPHALT PAVEMENT, SEE DETAIL SHEET
-  CONCRETE SIDEWALK, SEE DETAIL SHEET
-  SIGN POST, SEE DETAIL SHEET

SIGN KEYNOTES

	STOP	R1-1 30X30
	SPEED LIMIT 15	R1-1 24X30
	CITY OF CONNEAUT STREET SIGN	

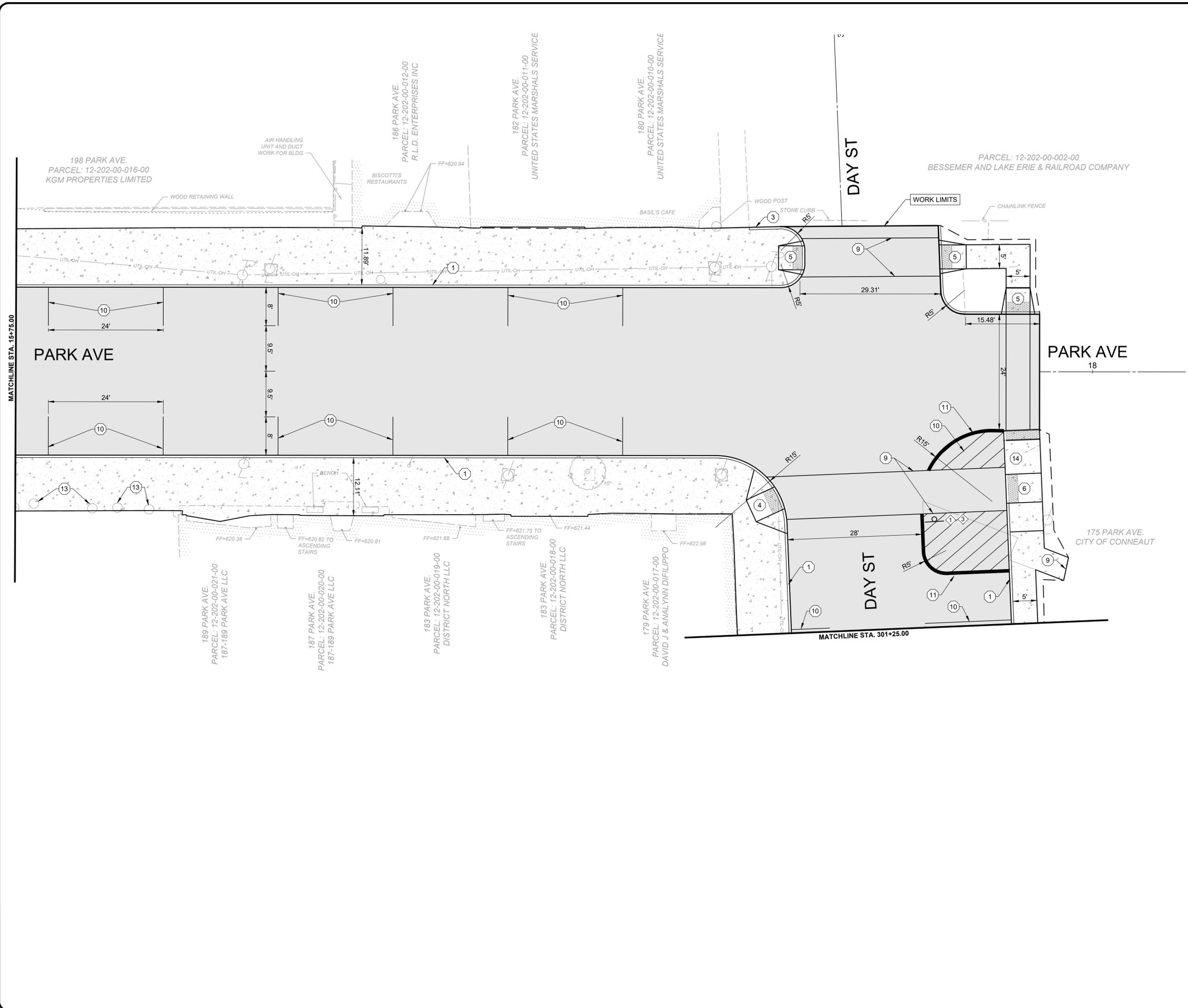
NOTES:

1. ALL SIGNS AND POSTS ARE TO BE REMOVED PER ODOT ITEM 630. EXISTING SIGNS THAT ARE TO BE REPLACED SHALL BE IN ACCORDANCE WITH CONTRACT DOCUMENTS.
2. CONTRACTOR TO REMOVE AND REPLACE EXISTING WOOD POSTS IN-PLACE WITH GALVANIZED STEEL POSTS AS PER THE DETAIL TO MATCH THE EXISTING STEEL POSTS ALONG HARBOR STREET. PAYMENT FOR SAID WORK WILL BE BASED ON EACH INSTALLED.

NO	REVISION	DATE
01	PTI REVISION - 1	1/7/2026

PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT - SITE PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	SITE2
SHEET	21
OF	41



0' 10' 20'
SCALE: 1" = 10'

GENERAL CONSTRUCTION NOTES

- 1 ITEM 609 - TYPE 6 CURB.
- 2 ITEM 609 - 18" TYPE 2 CURB AND GUTTER.
- 3 ITEM 609 - TAPER CURB OVER 6" TO MATCH EXISTING CONDITIONS.
- 4 ITEM 608 - CURB RAMP, TYPE A1
- 5 ITEM 608 - CURB RAMP, TYPE A2
- 6 ITEM 608 - CURB RAMP, TYPE B1
- 7 ITEM 608 - CURB RAMP, TYPE B3
- 8 ITEM 608 - CURB RAMP, TYPE D
- 9 ITEM 608 - CONNECT TO EXISTING CONCRETE CURB AND/OR SIDEWALK
- 10 ITEM 644 - 4" PARKING LINE, WHITE.
- 11 ITEM 644 - 8" CHANNELIZING LINE, WHITE.
- 12 ITEM 644 - CROSSWALK LINE, WHITE.
- 13 ITEM SPL - GALVANIZED STEEL POST, SEE NOTE 2.
- 14 ITEM 659 - 6" TOPSOIL, SEED AND MULCH ON PREPARED SUBGRADE.

HATCH LEGEND

- ASPHALT PAVEMENT, SEE DETAIL SHEET
- CONCRETE SIDEWALK, SEE DETAIL SHEET
- SIGN POST, SEE DETAIL SHEET

SIGN KEYNOTES

1		R1-1 30X30
2		R1-1 24X30
3	CITY OF CONNEAUT STREET SIGN	

NOTES:

1. ALL SIGNS AND POSTS ARE TO BE REMOVED PER ODOT ITEM 630. EXISTING SIGNS THAT ARE TO BE REPLACED SHALL BE IN ACCORDANCE WITH CONTRACT DOCUMENTS.
2. CONTRACTOR TO REMOVE AND REPLACE EXISTING WOOD POSTS IN-PLACE WITH GALVANIZED STEEL POSTS AS PER THE DETAIL TO MATCH THE EXISTING STEEL POSTS ALONG HARBOR STREET. PAYMENT FOR SAID WORK WILL BE BASED ON EACH INSTALLED.



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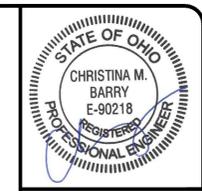
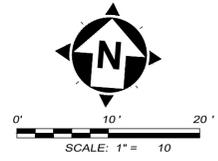
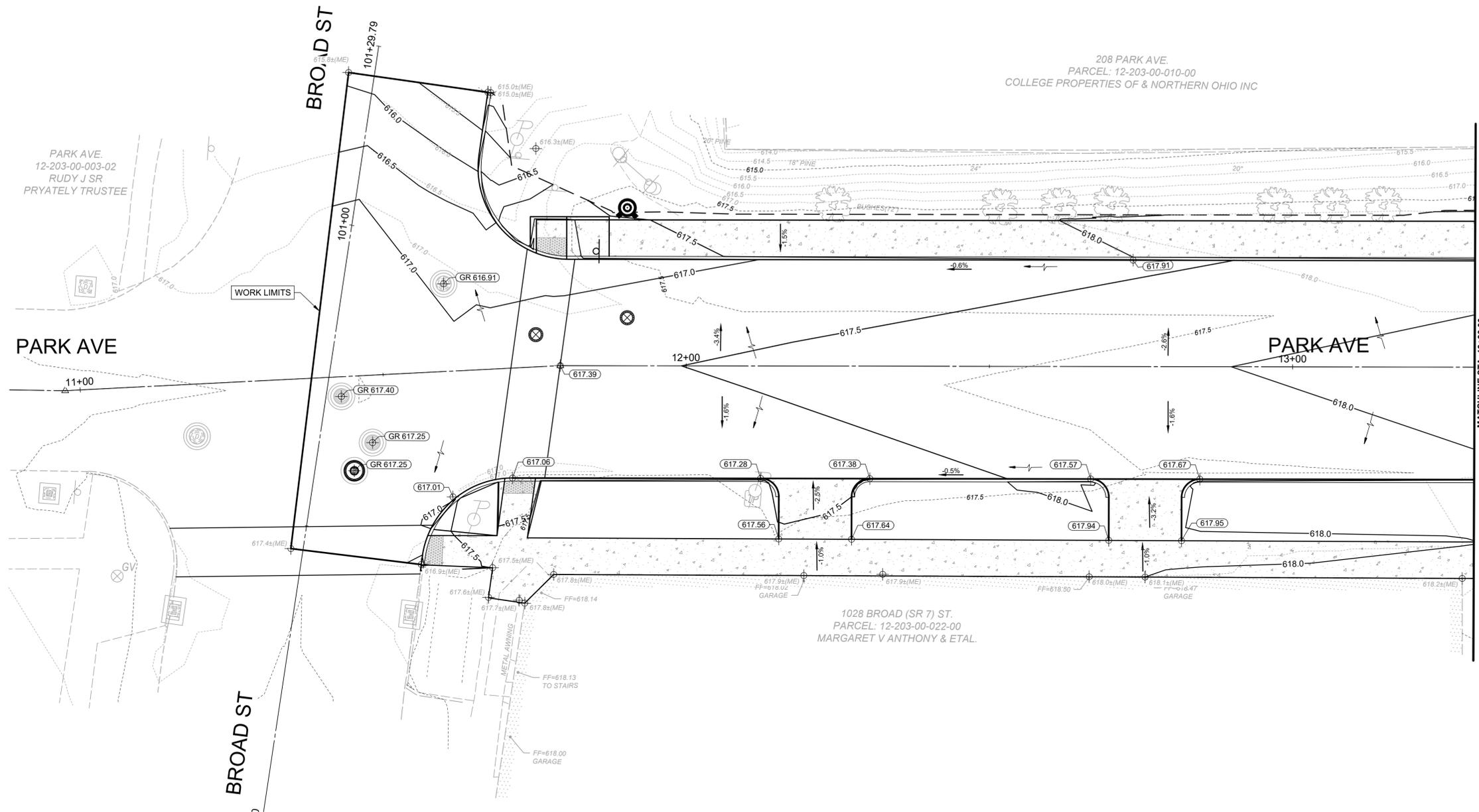
NO	REVISION	DATE
01	PTI REVISION - 1	1/7/2026

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ISSUE DATE:	11/3/2025	01
SCALE:	AS SHOWN	
DESIGNED BY:	C.BARRY	
DRAWN BY:	C.BARRY	
CHECKED BY:	C.KOGELENIK	

PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT -

SITE PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	SITE3
SHEET	22
OF	41



GRADING NOTES

1. ALL SPOT GRADES ARE FLOW LINE, EDGE OF PAVEMENT, OR BUILDING FACE ELEVATIONS, UNLESS OTHERWISE SPECIFIED.

GRADING LEGEND

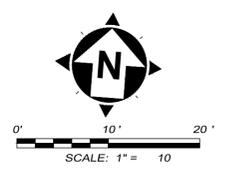
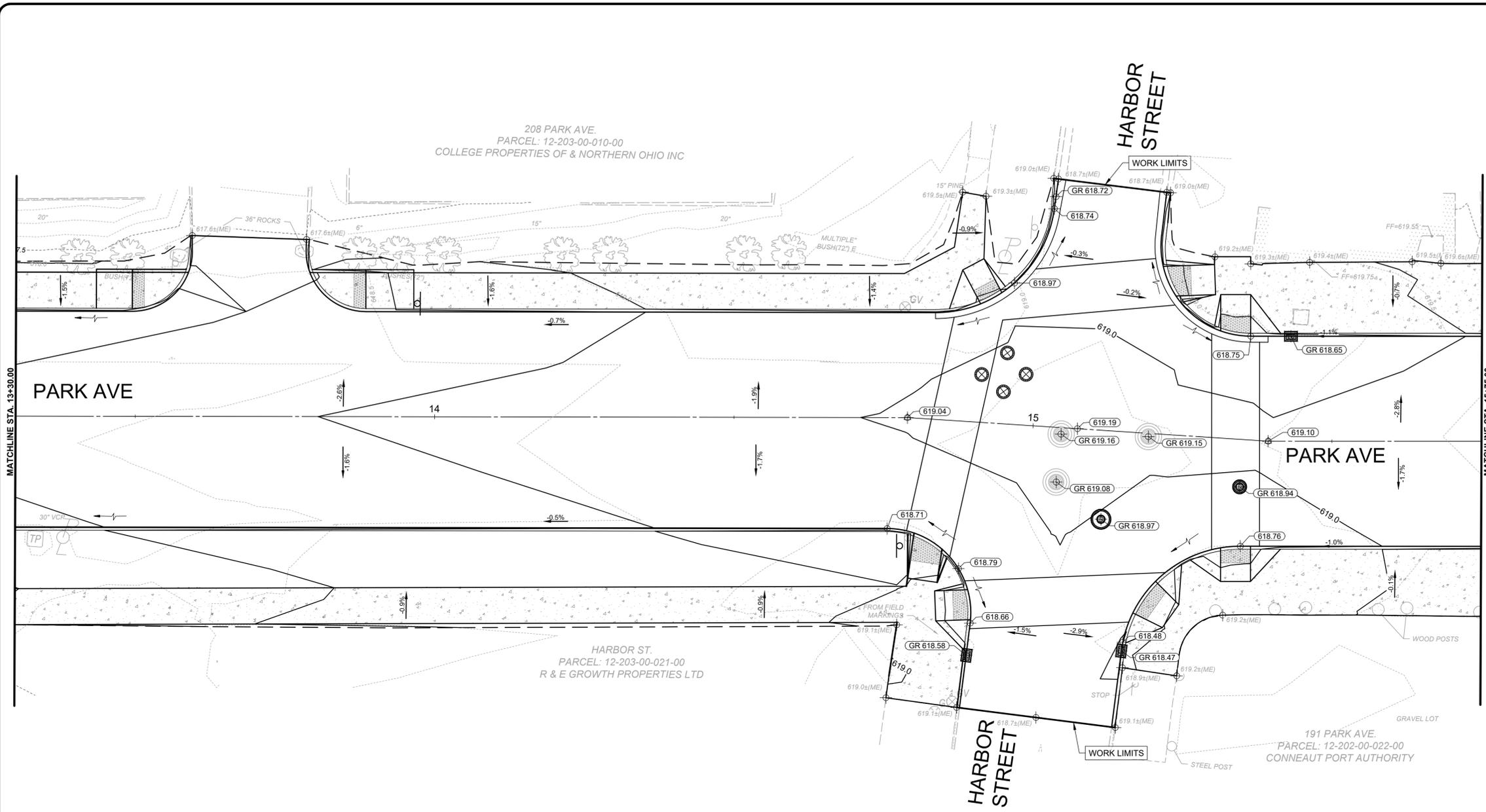
- EXISTING SPOT ELEVATION EX 232.46
- PROPOSED SPOT ELEVATION 232.60
- PROPOSED SPOT ELEVATION AT TOP/BACK OF CURB TC 232.60
- PROPOSED SPOT ELEVATION AT STRUCTURE RIM GR 232.60
- PROPOSED GRADE LABEL 10.8%
- PROPOSED SLOPE LABEL 4:1
- PROPOSED GRADE BREAK GRADE BREAK
- DIRECTION OF FLOW →

ISSUED FOR:	90% REVIEW	NO	REVISION	DATE
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PARK ST AND DAY ST IMPROVEMENTS - PART B
- CONNEAUT -

GRADING PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	GRAD1
SHEET	24
OF	41



verdantas

GRADING NOTES

- ALL SPOT GRADES ARE FLOW LINE, EDGE OF PAVEMENT, OR BUILDING FACE ELEVATIONS, UNLESS OTHERWISE SPECIFIED.

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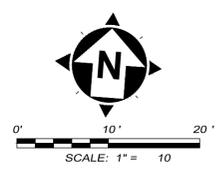
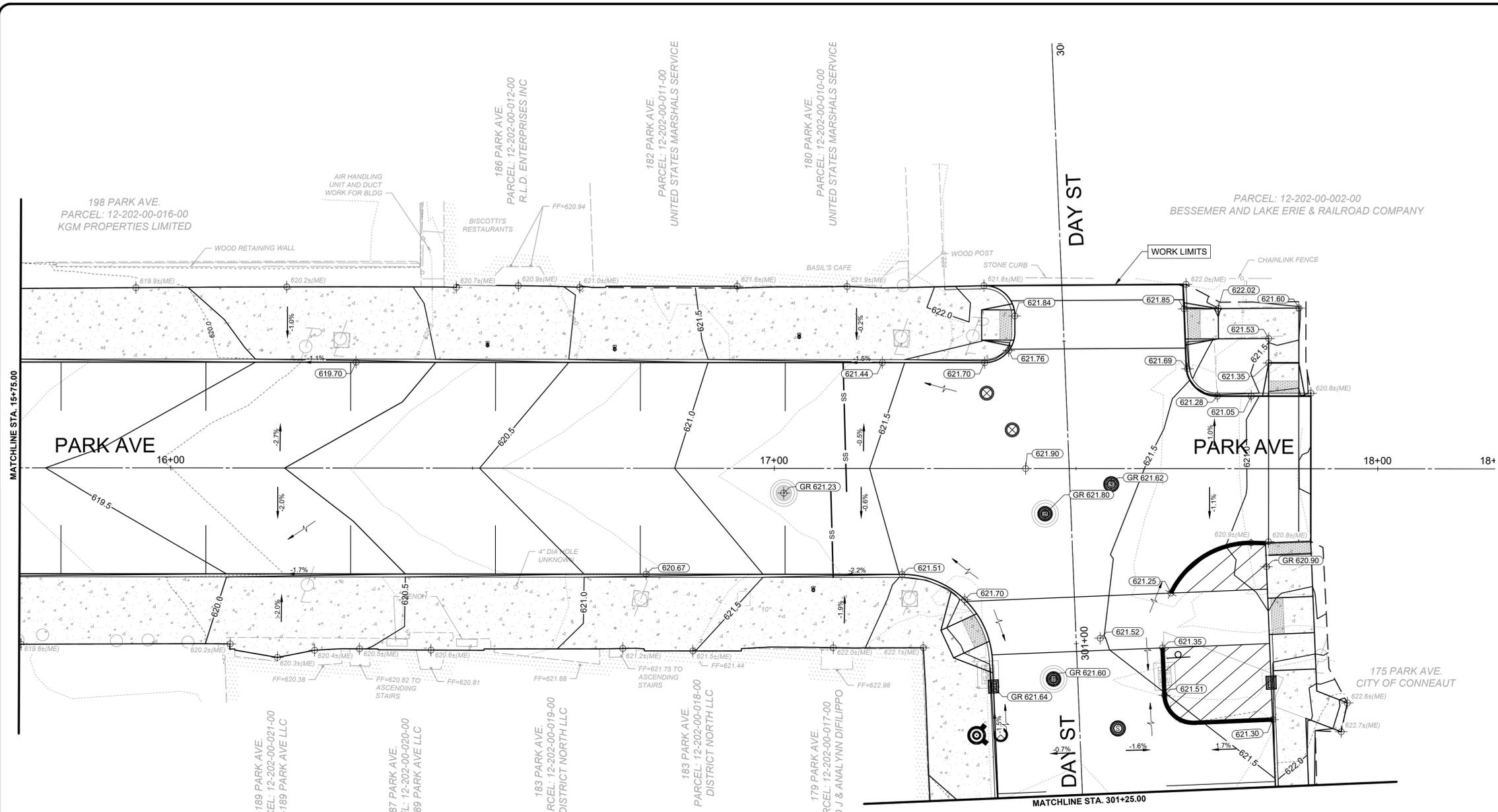
GRADING LEGEND

- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED SPOT ELEVATION AT TOP/BACK OF CURB
- PROPOSED SPOT ELEVATION AT STRUCTURE RIM
- PROPOSED GRADE LABEL
- PROPOSED SLOPE LABEL
- PROPOSED GRADE BREAK
- DIRECTION OF FLOW

**PARK ST AND DAY ST
IMPROVEMENTS - PART B
- CONNEAUT -**

GRADING PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	GRAD2
SHEET	25
OF	41



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GRADING NOTES

1. ALL SPOT GRADES ARE FLOW LINE, EDGE OF PAVEMENT, OR BUILDING FACE ELEVATIONS, UNLESS OTHERWISE SPECIFIED.

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CHECKED BY:	C. KOEHLNIK			

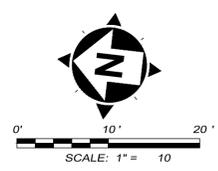
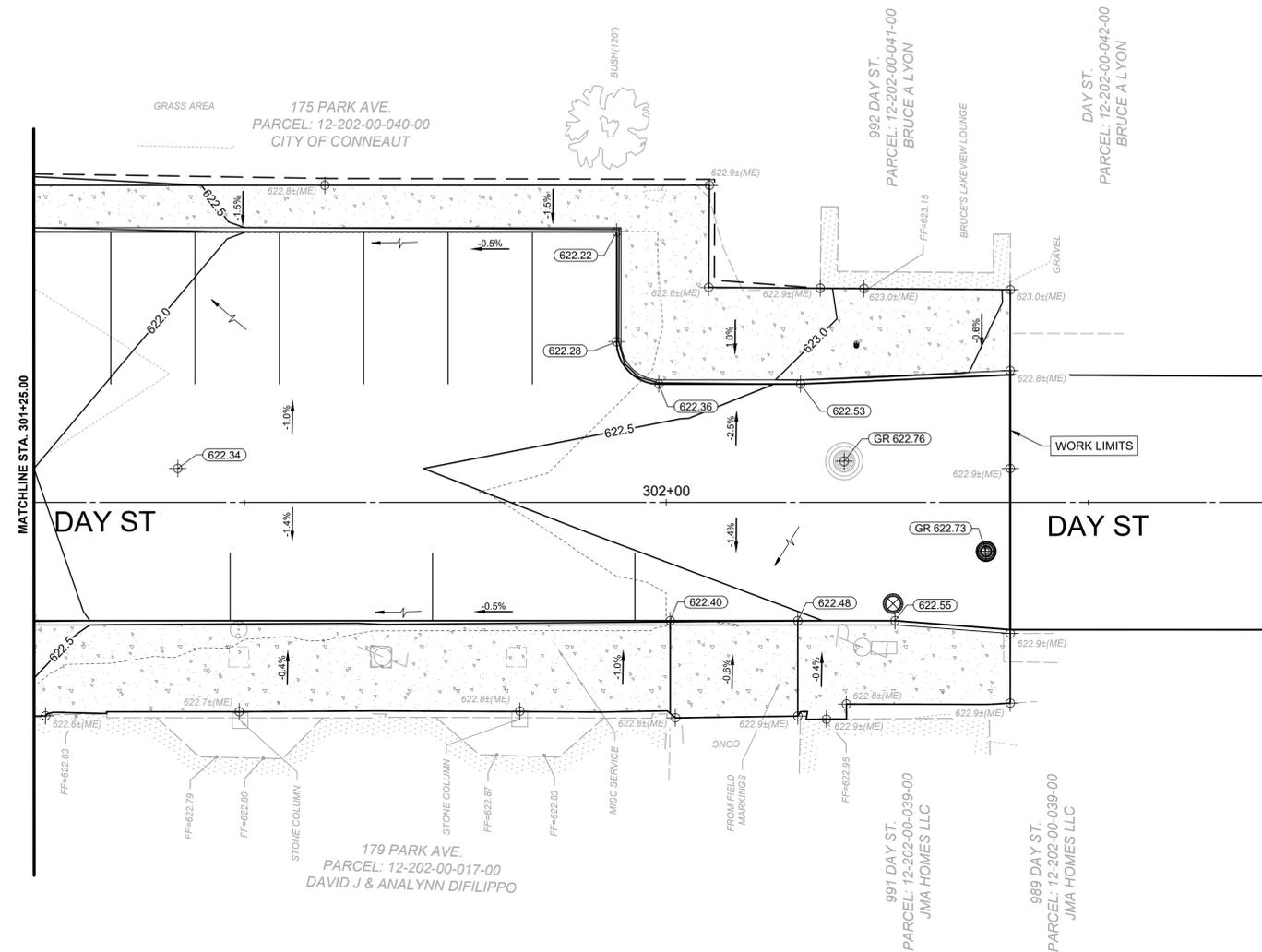
GRADING LEGEND

- EXISTING SPOT ELEVATION EX 232.46
- PROPOSED SPOT ELEVATION 232.60
- PROPOSED SPOT ELEVATION AT TOP/BACK OF CURB TC 232.60
- PROPOSED SPOT ELEVATION AT STRUCTURE RIM GR 232.60
- PROPOSED GRADE LABEL 10.8%
- PROPOSED SLOPE LABEL 4:1
- PROPOSED GRADE BREAK GRADE BREAK
- DIRECTION OF FLOW →

PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT -

GRADING PLAN

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	GRAD3
SHEET	26
OF	41



GRADING NOTES

1. ALL SPOT GRADES ARE FLOW LINE, EDGE OF PAVEMENT, OR BUILDING FACE ELEVATIONS, UNLESS OTHERWISE SPECIFIED.

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SCALE:	AS SHOWN			
DESIGNED BY:	C. BARRY			
DRAWN BY:	C. BARRY			
CHECKED BY:	C. KOEHLNIK			

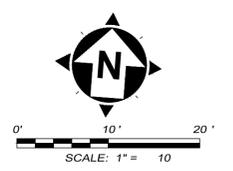
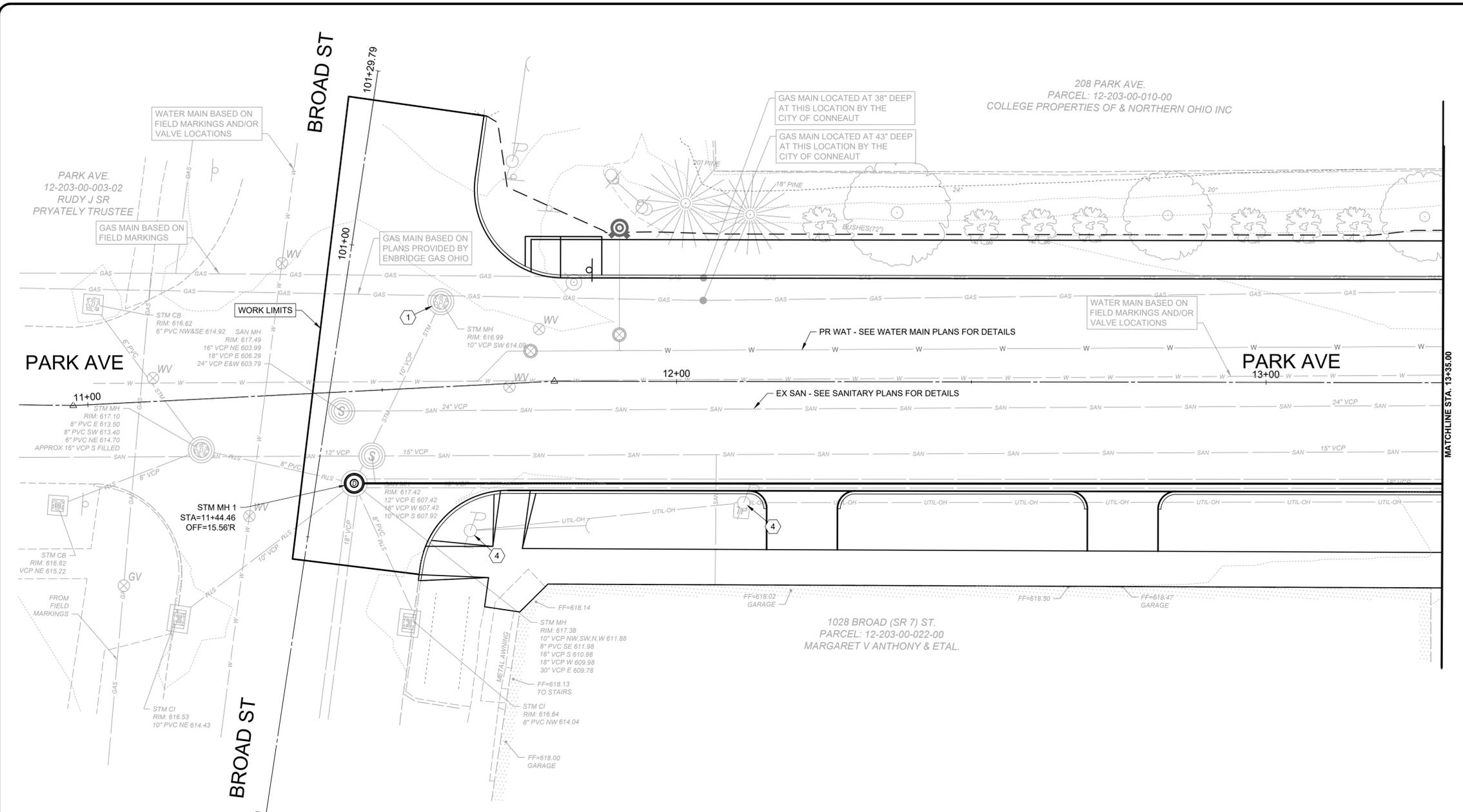
GRADING LEGEND

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- DIRECTION OF FLOW

PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT -

GRADING PLAN

PROJECT NO.		241751
DISCIPLINE		CIVIL
SHEET NAME		GRAD4
SHEET	OF	
27	41	

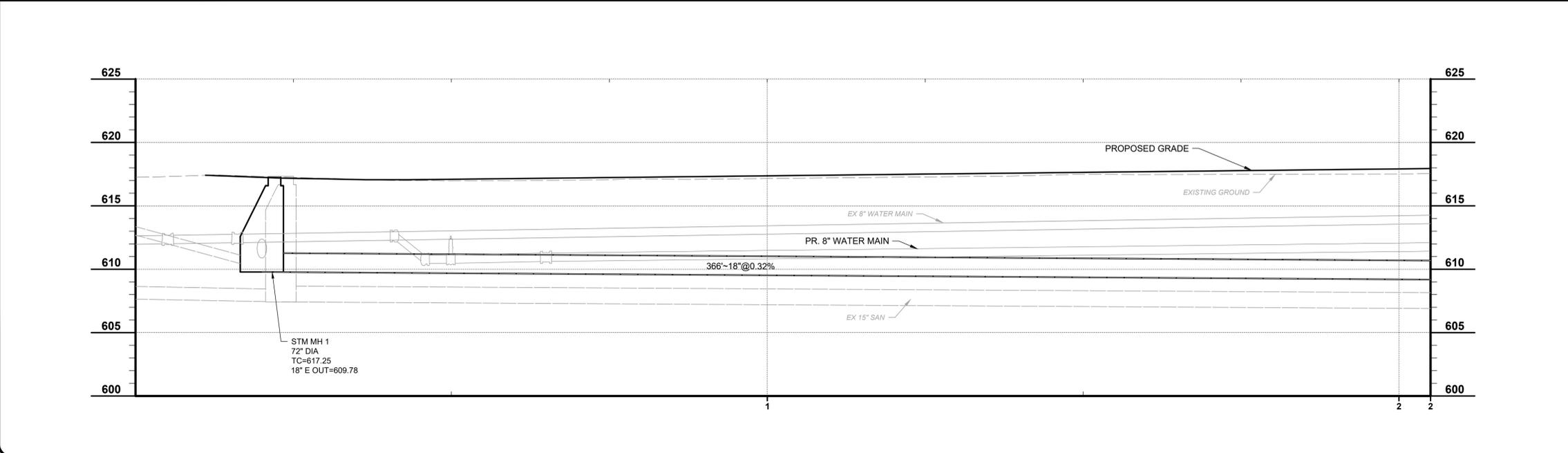


- STORM SEWER CONSTRUCTION NOTES**
- 1 ADJUST STORM MH TO PROPOSED GRADE.
 - 2 ADJUST CATCH BASIN/INLET TO PROPOSED GRADE.
 - 3 UTILITY CROSSING LOCATE AND POTHOLE UTILITIES.
 - 4 PROTECT ELECTRIC/TELECOM POLE DURING CONSTRUCTION. COORDINATE TEMPORARY UTILITIES WITH UTILITY COMPANY.

NO	REVISION	DATE
01 <td>PTI REVISION - 1 <td>1/7/2026</td> </td>	PTI REVISION - 1 <td>1/7/2026</td>	1/7/2026

ISSUED FOR:	90% REVIEW	NO	REVISION	DATE
AS SHOWN	AS SHOWN	01	PTI REVISION - 1	1/7/2026

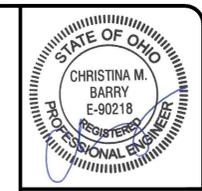
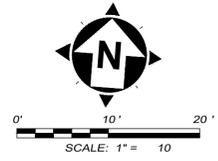
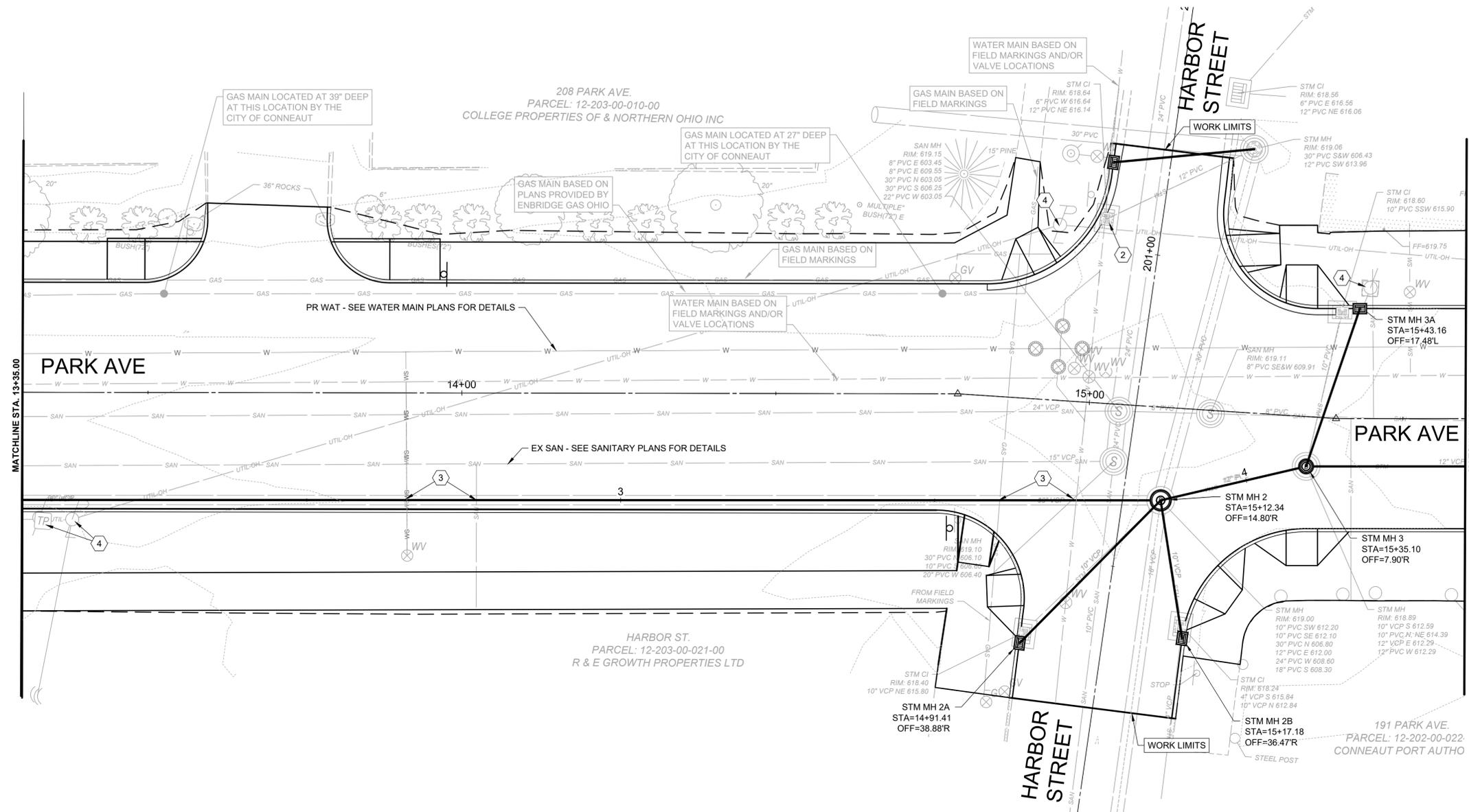
DESIGNED BY:	DRAWN BY:	CHECKED BY:
C. BARRY	C. BARRY	C. KOEHLNIK



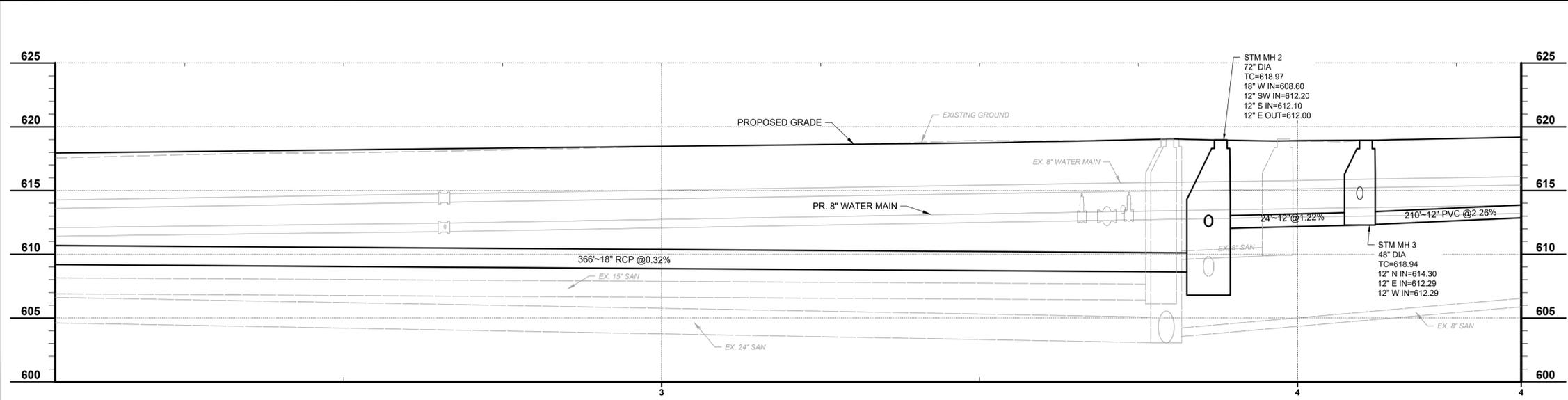
**PARK ST AND DAY ST
IMPROVEMENTS - PART B
- CONNEAUT -**

STORM SEWER PLAN & PROFILE

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	STM1
SHEET	28
OF	41



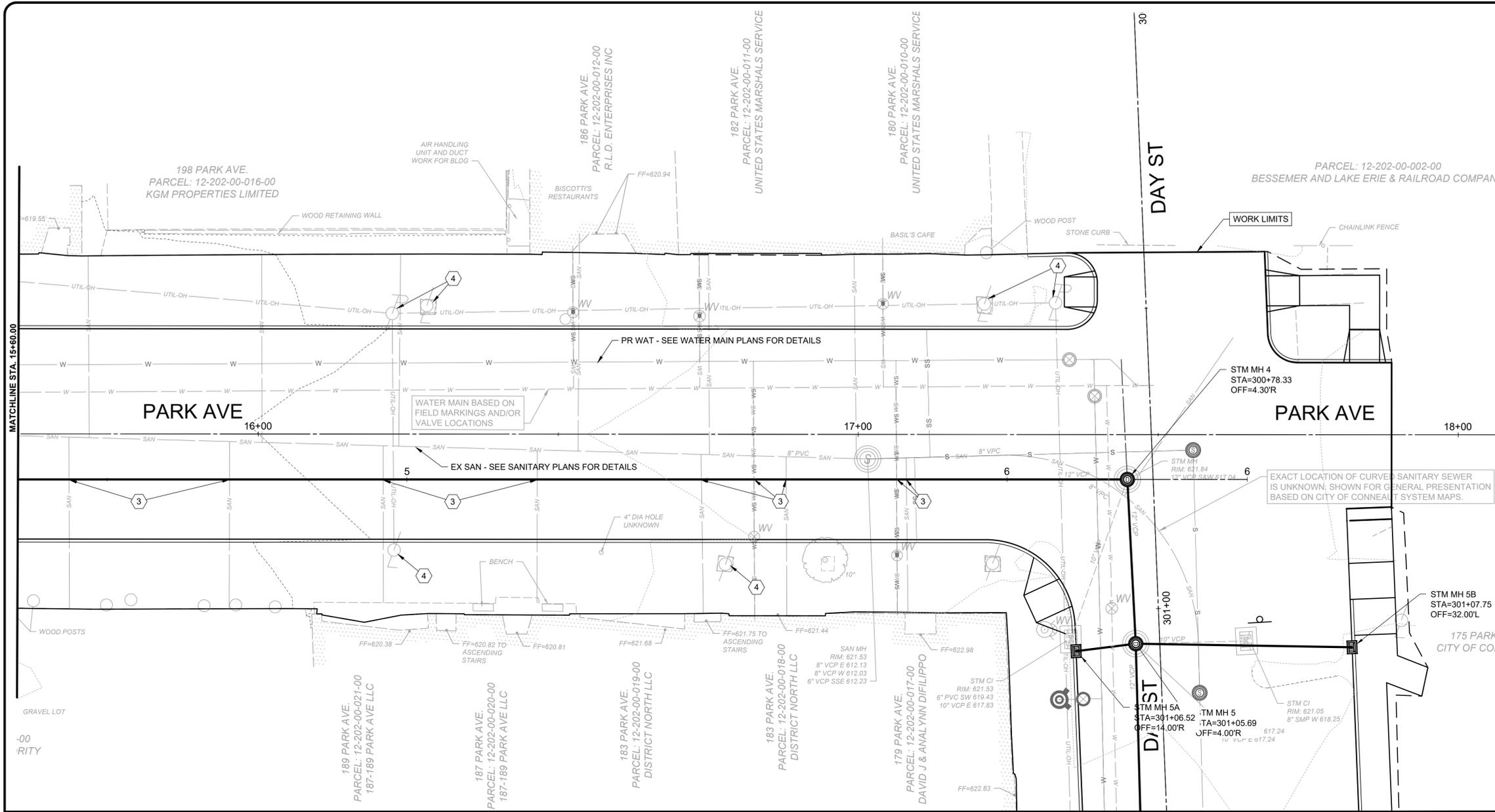
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SCALE:	AS SHOWN			
DESIGNED BY:	C. BARRY			
DRAWN BY:	C. BARRY			
CHECKED BY:	C. KOEHLNIK			



PARK ST AND DAY ST IMPROVEMENTS - PART B
- CONNEAUT -

STORM SEWER PLAN & PROFILE

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	STM2
SHEET	29
OF	41

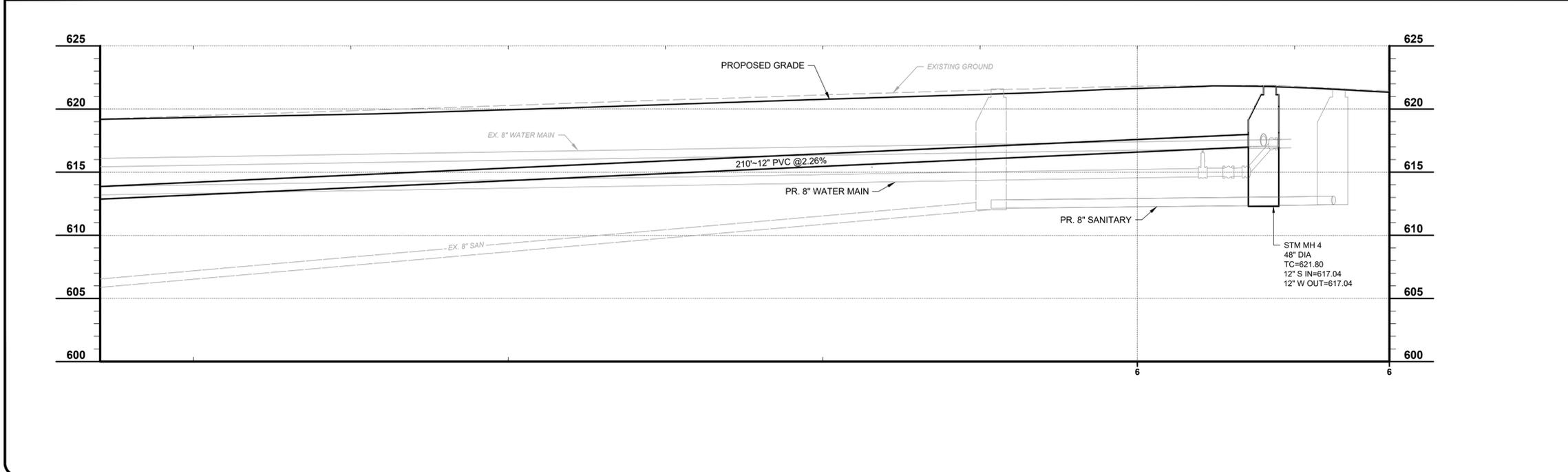


STORM SEWER CONSTRUCTION NOTES

- 1 ADJUST STORM MH TO PROPOSED GRADE.
- 2 ADJUST CATCH BASIN/INLET TO PROPOSED GRADE.
- 3 UTILITY CROSSING LOCATE AND POTHOLE UTILITIES.
- 4 PROTECT ELECTRIC/TELECOM POLE DURING CONSTRUCTION. COORDINATE TEMPORARY UTILITIES WITH UTILITY COMPANY.



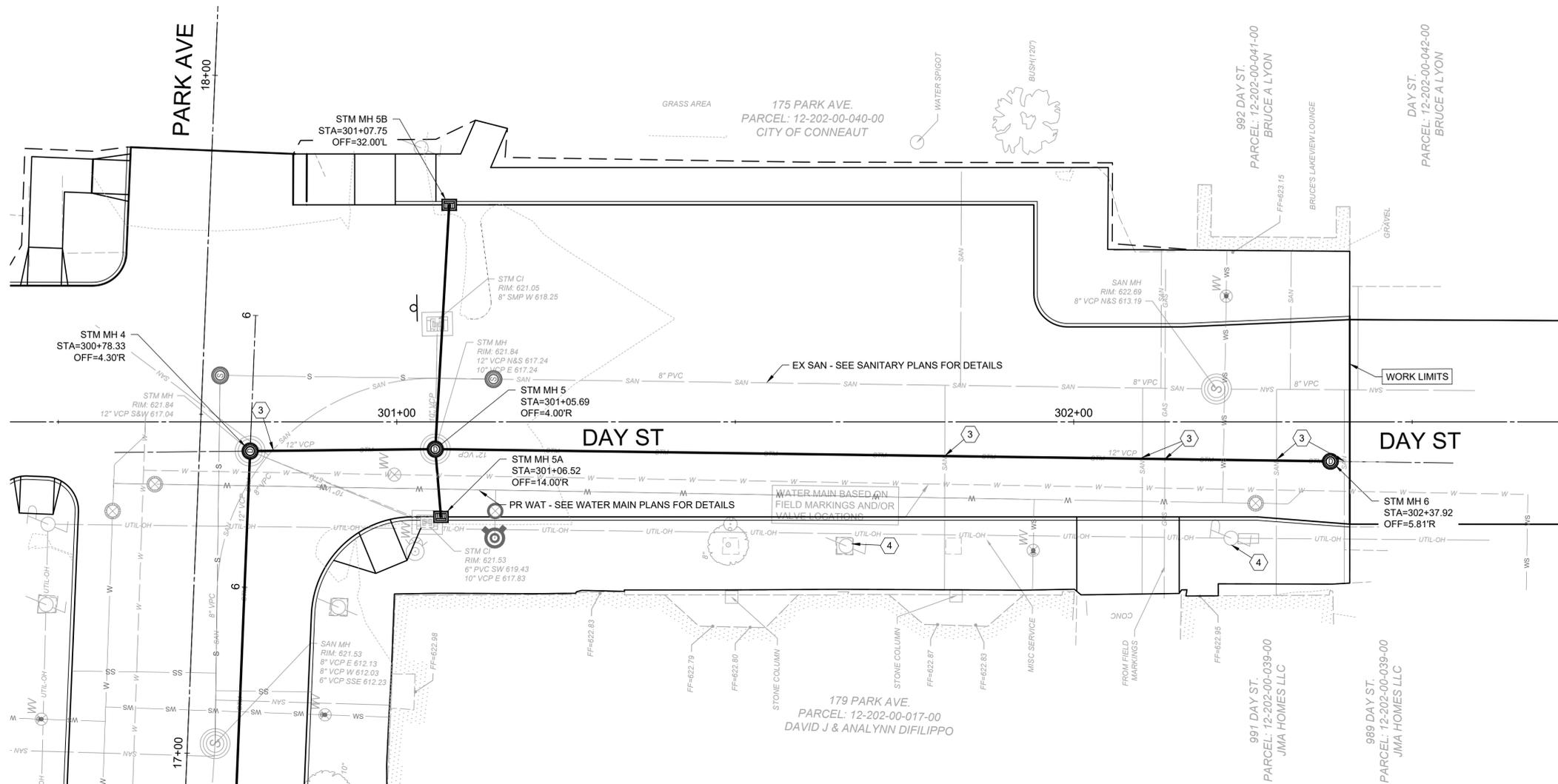
ISSUED FOR:	90% REVIEW	NO	REVISION	DATE
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SCALE:	AS SHOWN			
DESIGNED BY:	C.BARRY			
DRAWN BY:	C.BARRY			
CHECKED BY:	C.KOGELEK			



PARK ST AND DAY ST
IMPROVEMENTS - PART B
- CONNEAUT -

STORM SEWER PLAN & PROFILE

PROJECT NO.	
241751	
DISCIPLINE	
CIVIL	
SHEET NAME	
STM3	
SHEET	OF
30	41



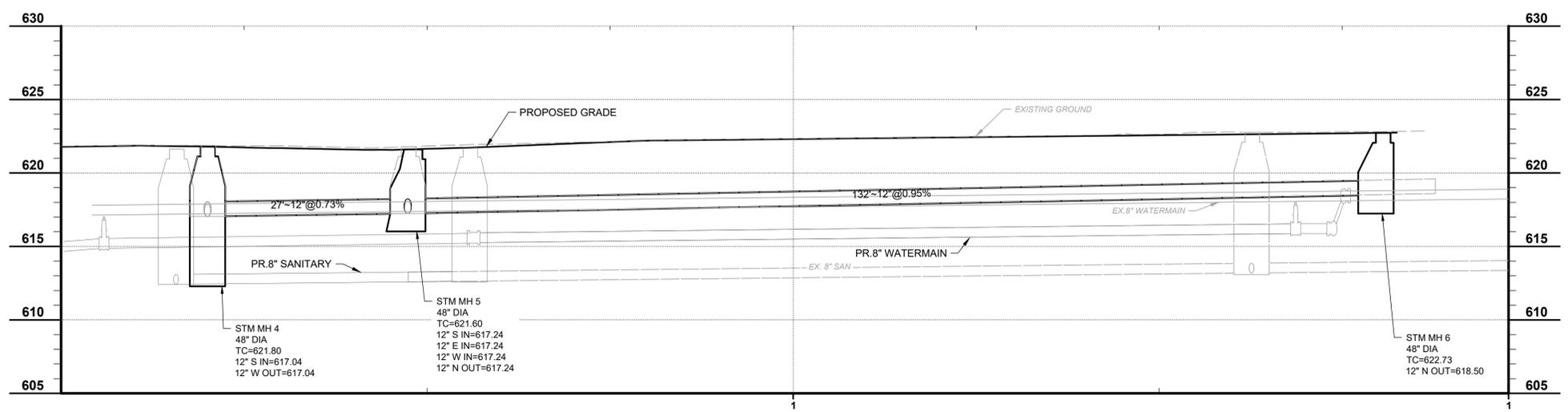
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- STORM SEWER CONSTRUCTION NOTES**
- 1 ADJUST STORM MH TO PROPOSED GRADE.
 - 2 ADJUST CATCH BASIN/INLET TO PROPOSED GRADE.
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 - 4 PROTECT ELECTRIC/TELECOM POLE DURING CONSTRUCTION. COORDINATE TEMPORARY UTILITIES WITH UTILITY COMPANY.



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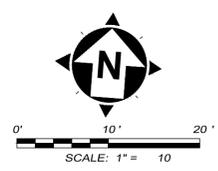
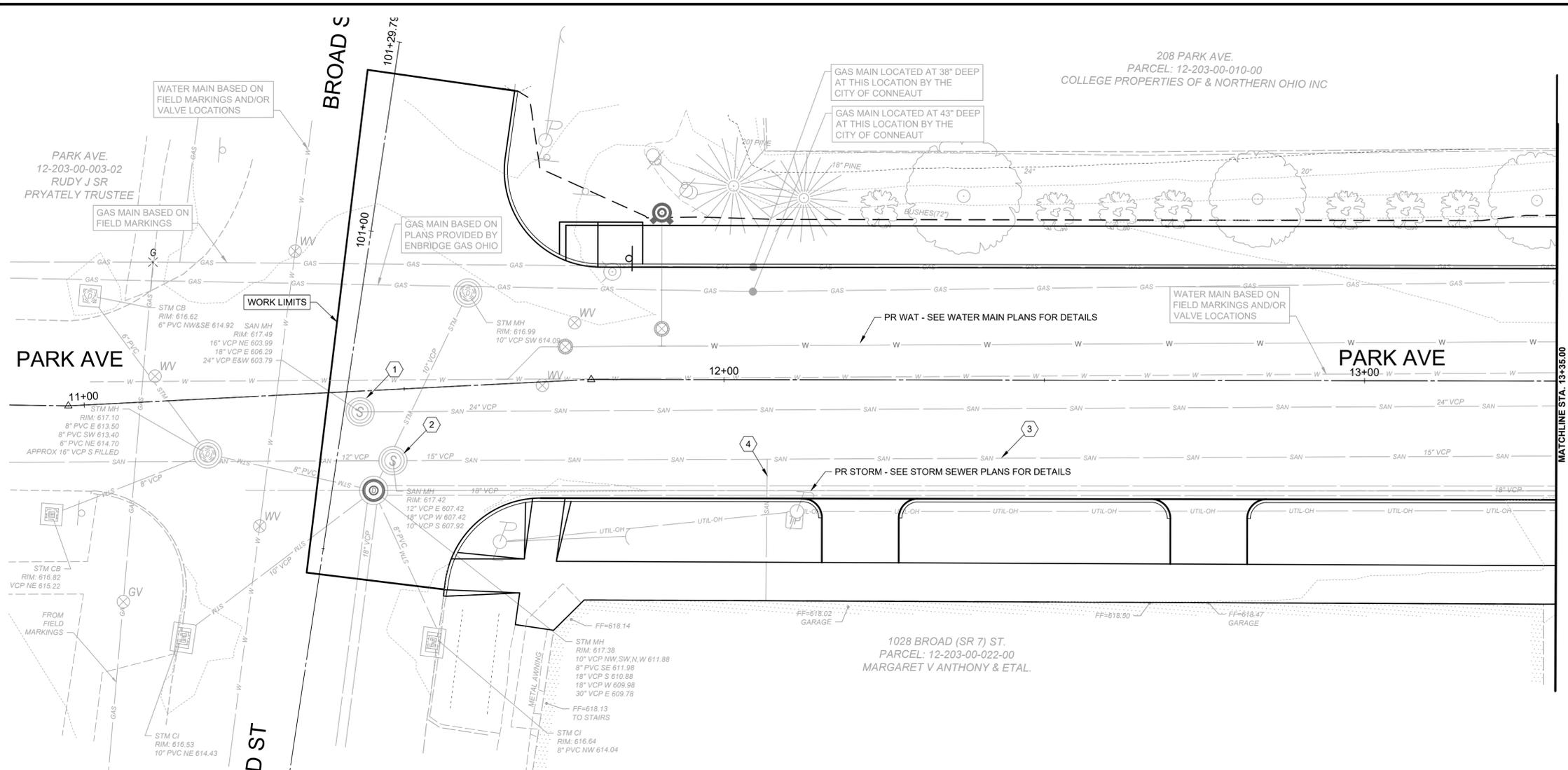
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SCALE:	AS SHOWN			
DESIGNED BY:	C.BARRY			
DRAWN BY:	C.BARRY			
CHECKED BY:	C.KOGELNIK			



**PARK ST AND DAY ST
IMPROVEMENTS - PART B
- CONNEAUT -**

STORM SEWER PLAN & PROFILE

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	STM4
SHEET	31
OF	41

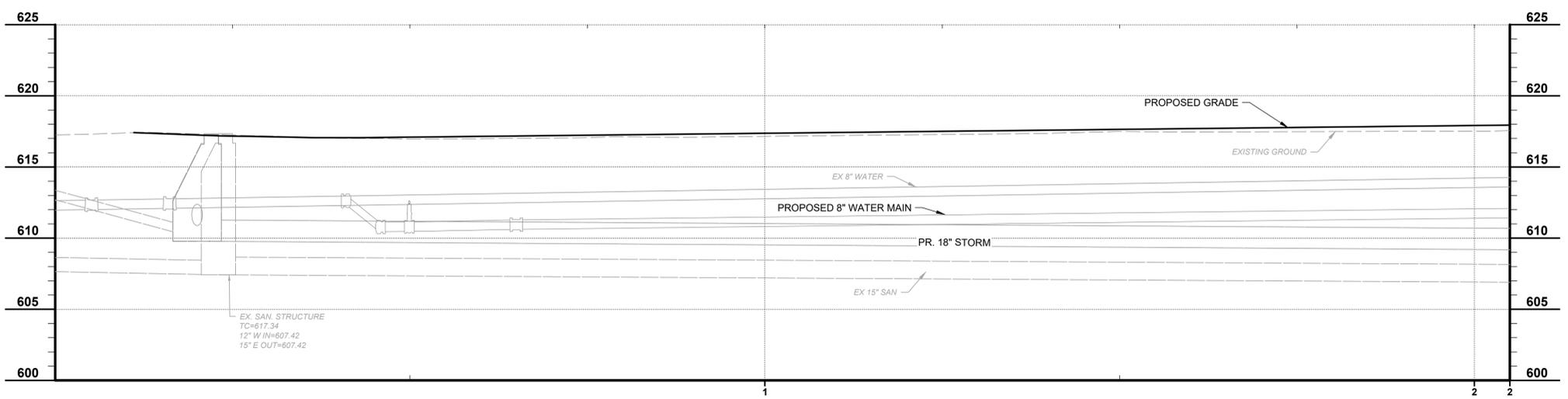


- SANITARY SEWER CONSTRUCTION NOTES**
- ADJUST SANITARY MANHOLE TO PROPOSED GRADE.
 - REHABILITATE EXISTING MANHOLE IN ACCORDANCE WITH SPECIFICATIONS. ADJUST MANHOLE TO PROPOSED GRADE. (PER DETAIL ON SH. 6/41)
 - LINE EXISTING SANITARY SEWER IN ACCORDANCE WITH SPECIFICATIONS.
 - LINE EXISTING SANITARY LATERAL. TOP HAT SHALL BE 6 FEET.
- NOTE: CONTRACTOR SHALL INTERNALLY LINE THE EXISTING VCP SANITARY SEWER LATERALS 6-LF FROM THE WYE CONNECTION TOWARDS THE CONNECTED BUILDING USING THE SPECIFIED TOP HAT LINER.



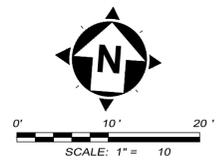
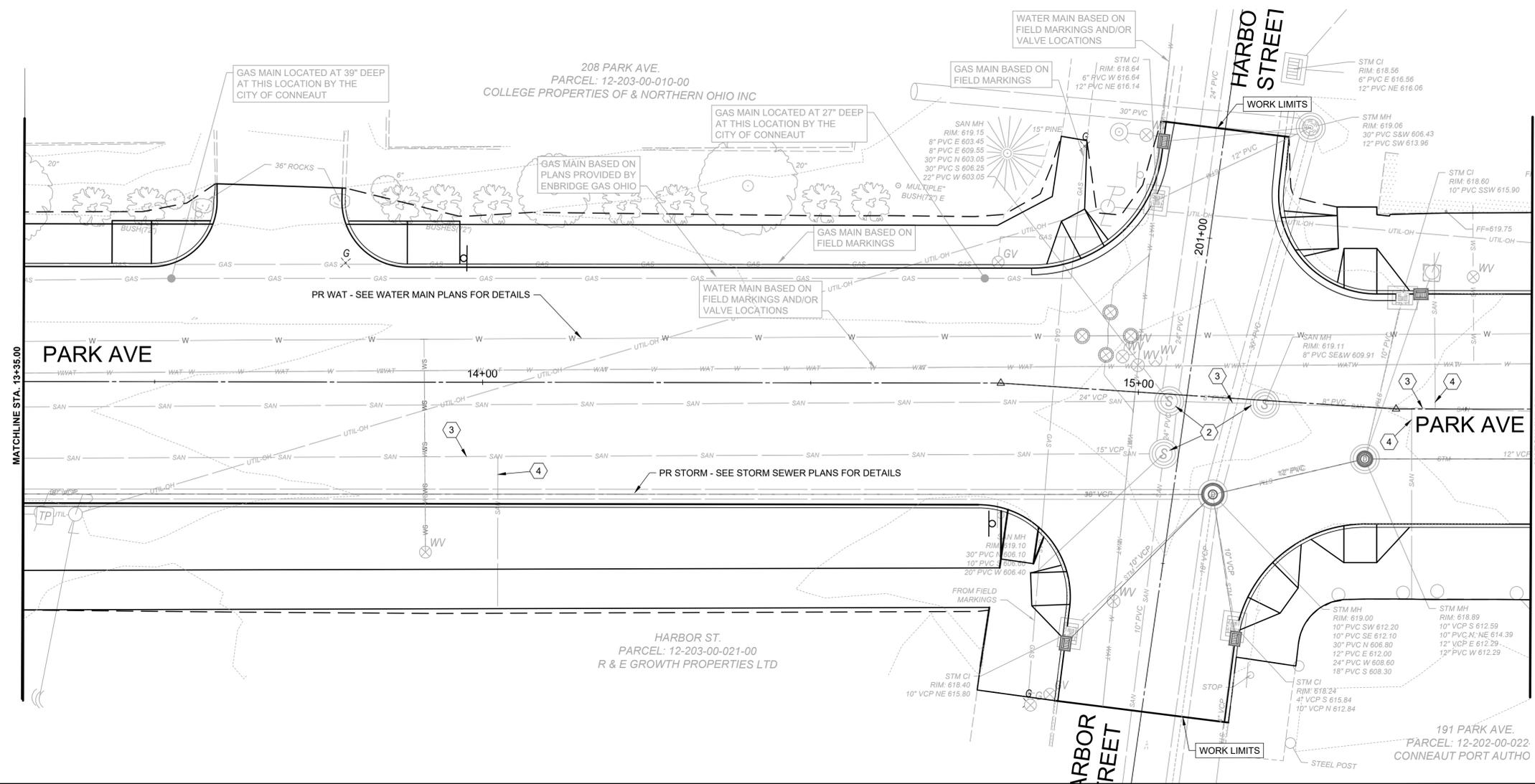
NO	REVISION	DATE
01	PTI REVISION - 1	1/7/2026

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90% REVIEW	11/3/2025	AS SHOWN	C.BARRY	C.BARRY	C.KOGELENIK



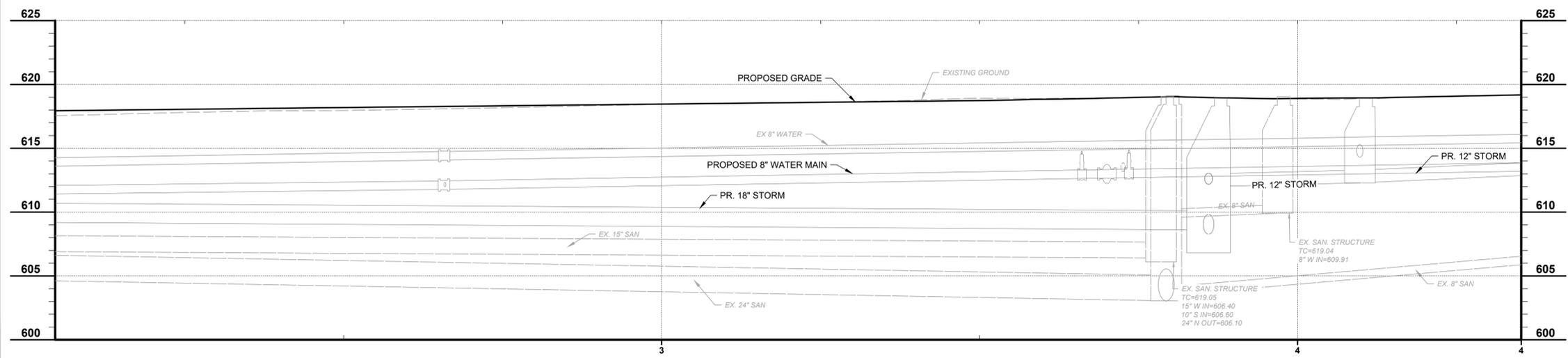
PARK ST AND DAY ST IMPROVEMENTS - PART B
 - CONNEAUT -
SANITARY SEWER PLAN & PROFILE

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	SAN1
SHEET	32
OF	41



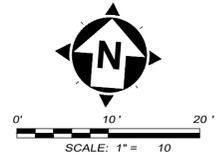
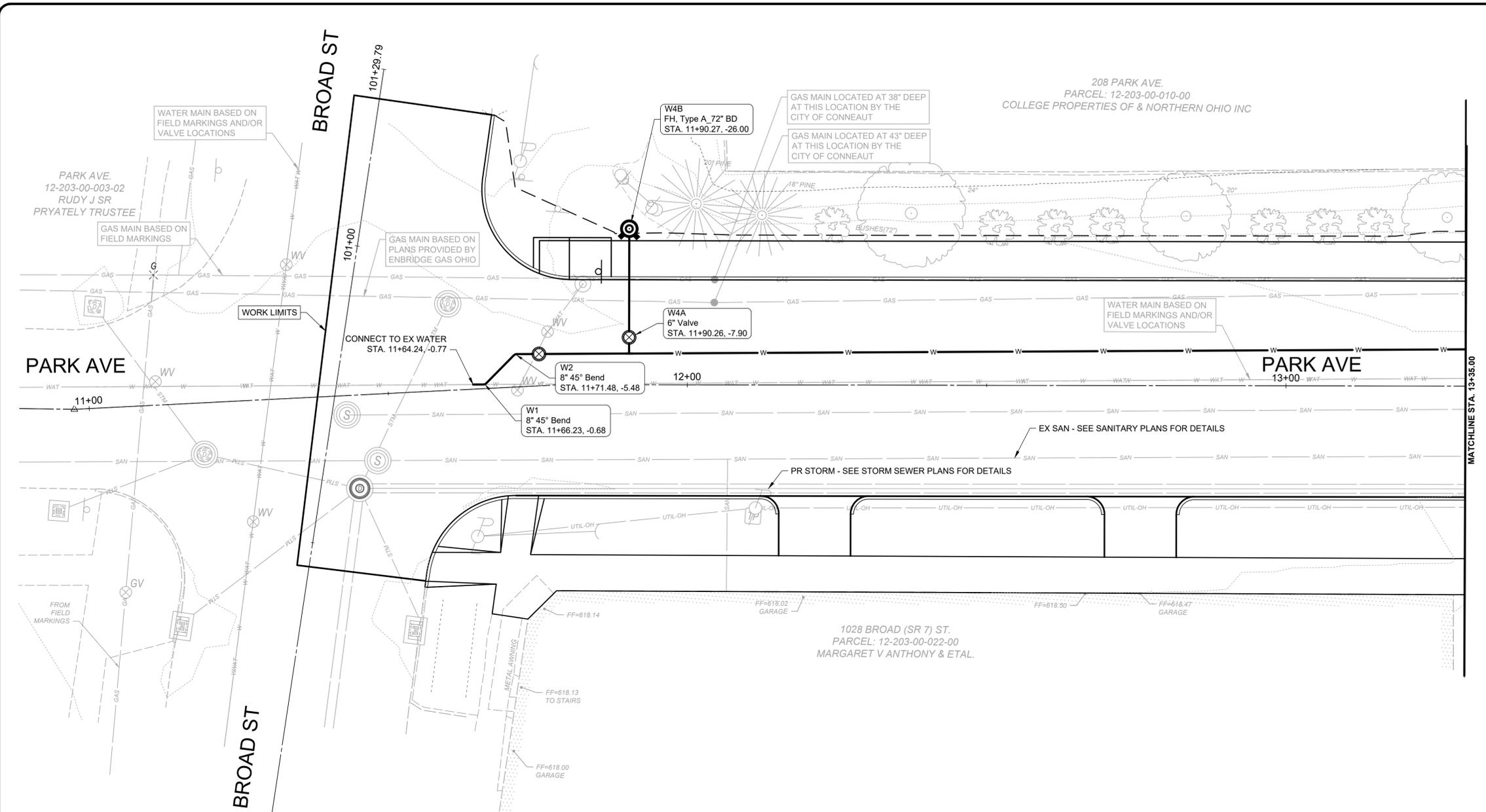
- SANITARY SEWER CONSTRUCTION NOTES**
- ADJUST SANITARY MANHOLE TO PROPOSED GRADE.
 - REHABILITATE EXISTING MANHOLE IN ACCORDANCE WITH SPECIFICATIONS. ADJUST MANHOLE TO PROPOSED GRADE. (PER DETAIL ON SH. 6/41)
 - LINE EXISTING SANITARY SEWER IN ACCORDANCE WITH SPECIFICATIONS.
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- NOTE: CONTRACTOR SHALL INTERNALLY LINE THE EXISTING VCP SANITARY SEWER LATERALS 6-LF FROM THE WYE CONNECTION TOWARDS THE CONNECTED BUILDING USING THE SPECIFIED TOP HAT LINER.

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DRAWN BY:	C. BARRY			
CHECKED BY:	C. KOEHLNIK			



PARK ST AND DAY ST IMPROVEMENTS - PART B
- CONNEAUT -
SANITARY SEWER PLAN & PROFILE

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	SAN2
SHEET	OF
33	41



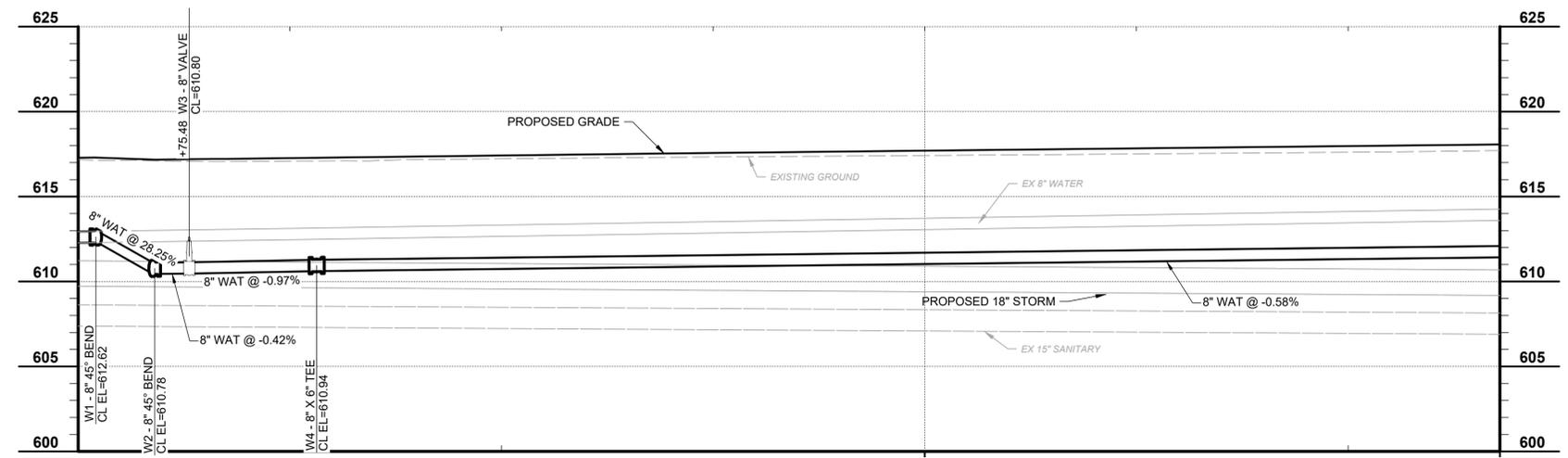
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- WATER CONSTRUCTION NOTES**
- UTILITY CROSSING LOCATE AND POTHOLE UTILITIES.
 - INSTALL NEW 1" PVC WATER SERVICE FROM MAIN TO BUILDING EXTERIOR.
 - INSTALL NEW 1" PVC WATER SERVICE FROM MAIN TO METER (INSIDE BUILDING).
- NOTES:
- NOTIFY ENGINEER OF ANY LATERALS FOUND IN THE FIELD NOT SHOWN ON PLAN. ALL EXISTING LATERALS SHALL BE REPLACED FROM THE NEW WATER MAIN TO METER ON A PER ITEM BASIS.
 - ALL EXISTING LATERALS SHALL BE REPLACED FROM THE NEW WATER MAIN TO THE OUTSIDE OF THE BUILDING.
 - CONTRACTOR SHALL REPLACE LEAD SERVICE LINES FROM THE NEW MAIN TO THE METER (INSIDE BUILDING), CITY GAVE APPROVAL TO GO INTO BUILDINGS WITH OWNER APPROVAL.

NO	REVISION	DATE
01	PTI REVISION - 1	1/7/2026

ISSUED FOR:	90% REVIEW	NO	REVISION	DATE
11/3/2025	AS SHOWN	01	PTI REVISION - 1	1/7/2026

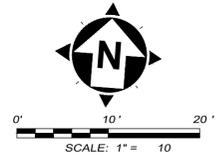
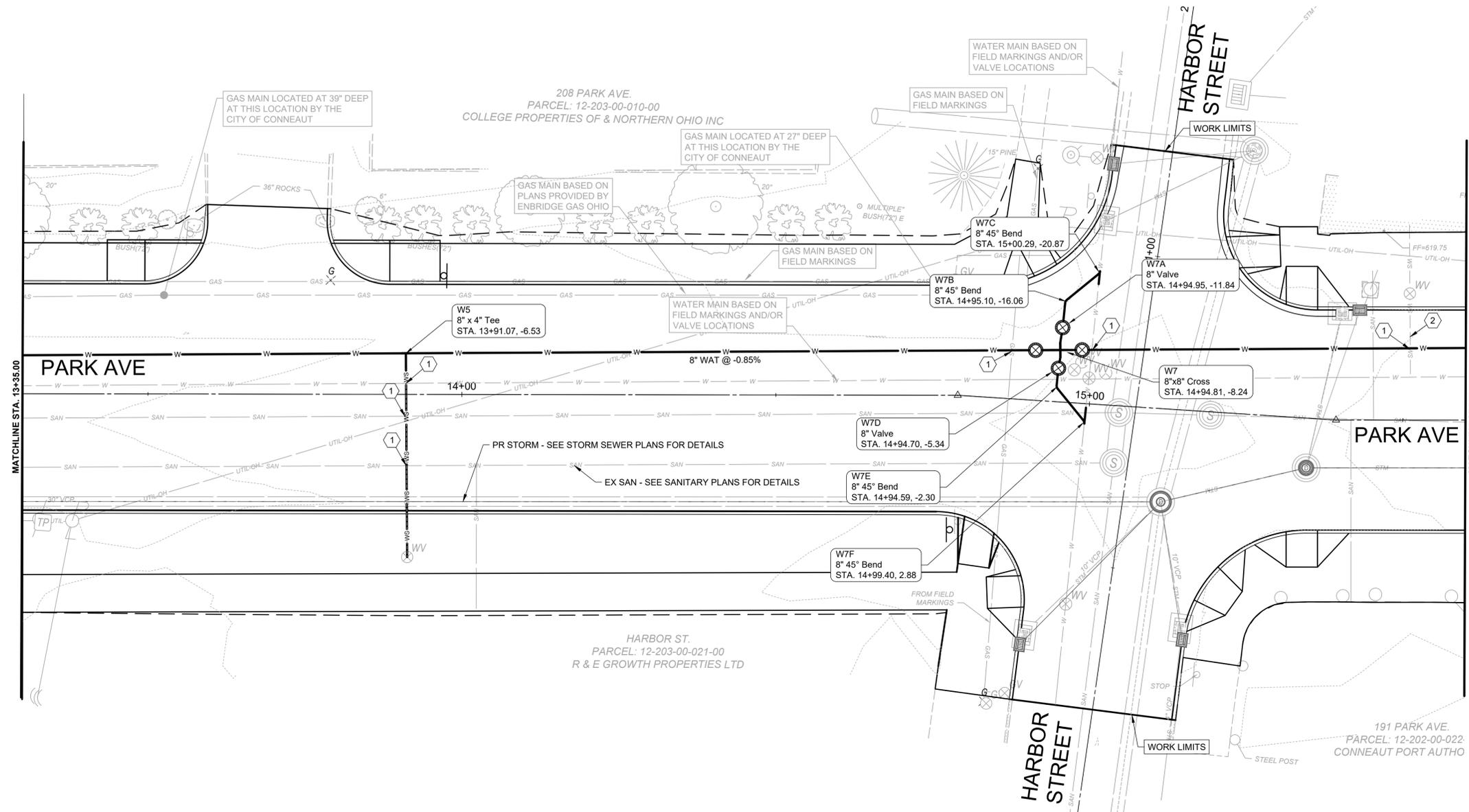
DESIGNED BY:	DRAWN BY:	CHECKED BY:
C. BARRY	C. BARRY	C. KOEHLNIK



PARK ST AND DAY ST IMPROVEMENTS - PART B
- CONNEAUT -

WATER MAIN PLAN & PROFILE

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	WATER1
SHEET	36
OF	41



WATER CONSTRUCTION NOTES

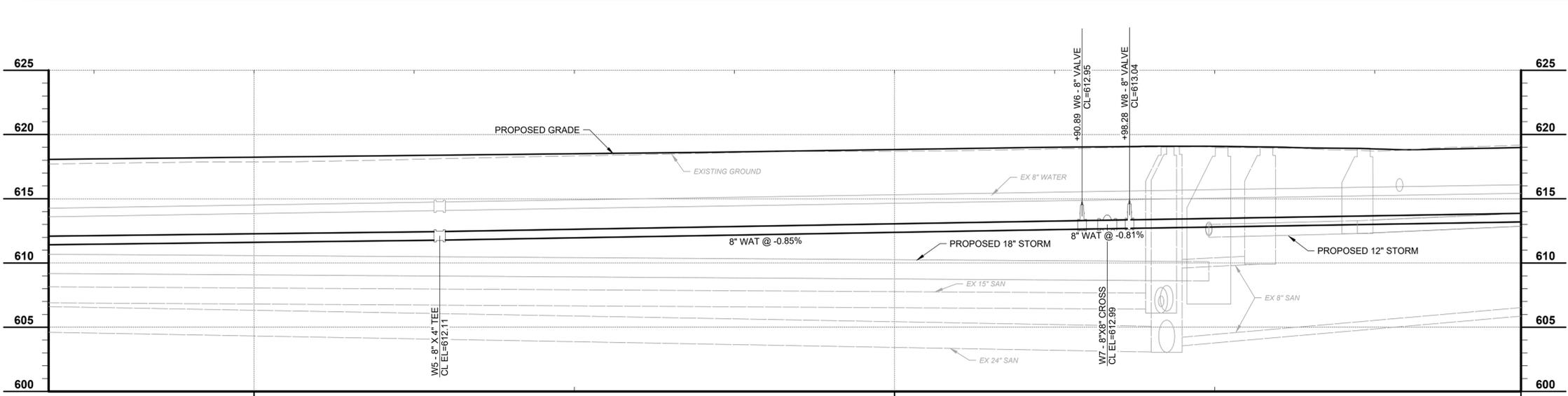
- 1 UTILITY CROSSING LOCATE AND POTHOLE UTILITIES.
- 2 INSTALL NEW 1" PVC WATER SERVICE FROM MAIN TO BUILDING EXTERIOR.
- 3 INSTALL NEW 1" PVC WATER SERVICE FROM MAIN TO METER (INSIDE BUILDING).

- NOTES:
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 3. CONTRACTOR SHALL REPLACE LEAD SERVICE LINES FROM THE NEW MAIN TO THE METER (INSIDE BUILDING), CITY GAVE APPROVAL TO GO INTO BUILDINGS WITH OWNER APPROVAL.



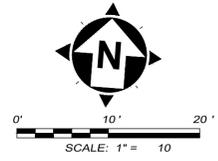
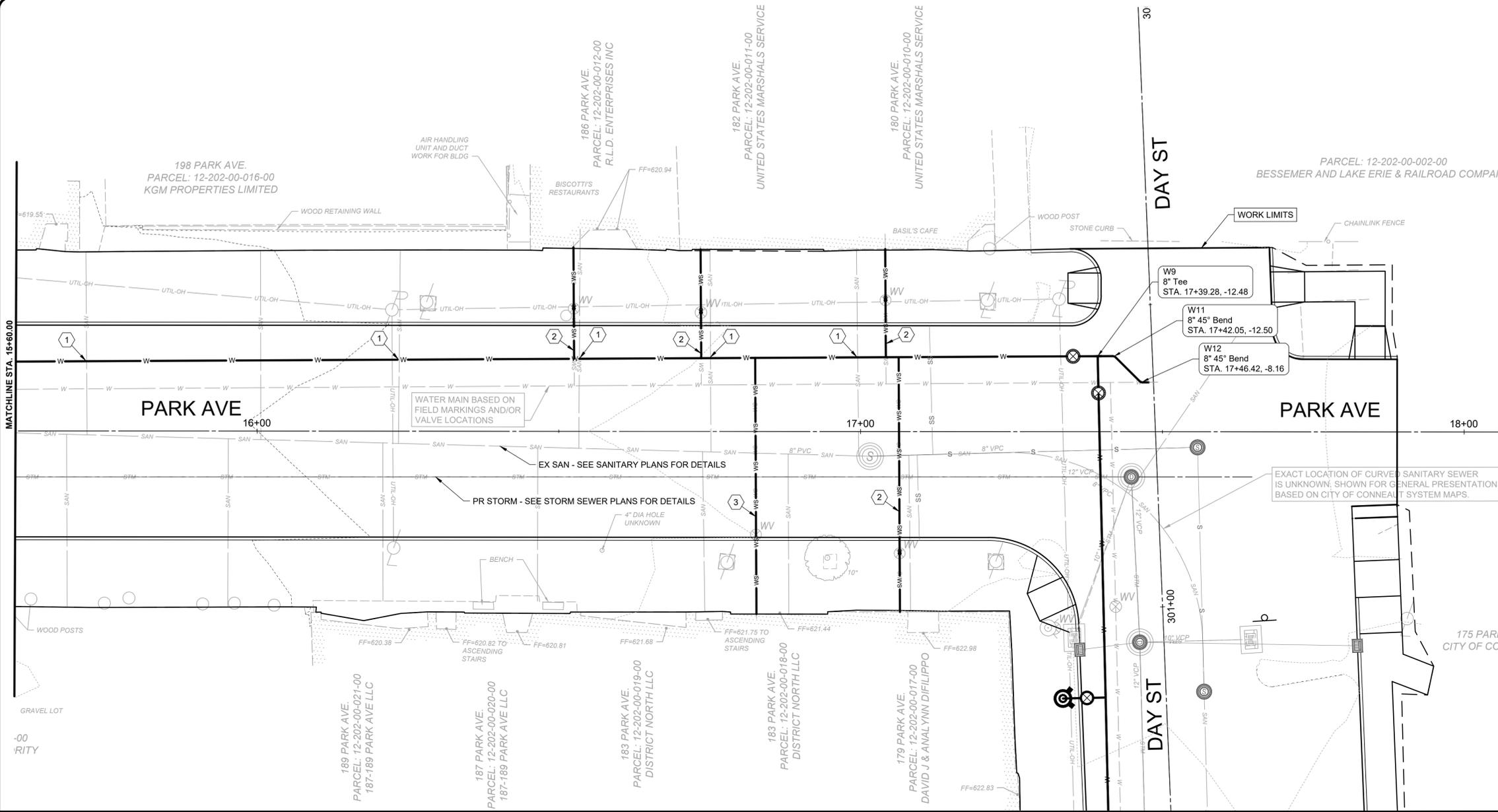
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SCALE:	C.BARRY			
DESIGNED BY:	C.BARRY			
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CHECKED BY:	C.KOGELNIK			



PARK ST AND DAY ST IMPROVEMENTS - PART B
- CONNEAUT -
WATER MAIN PLAN & PROFILE

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	WATER2
SHEET	37
OF	41



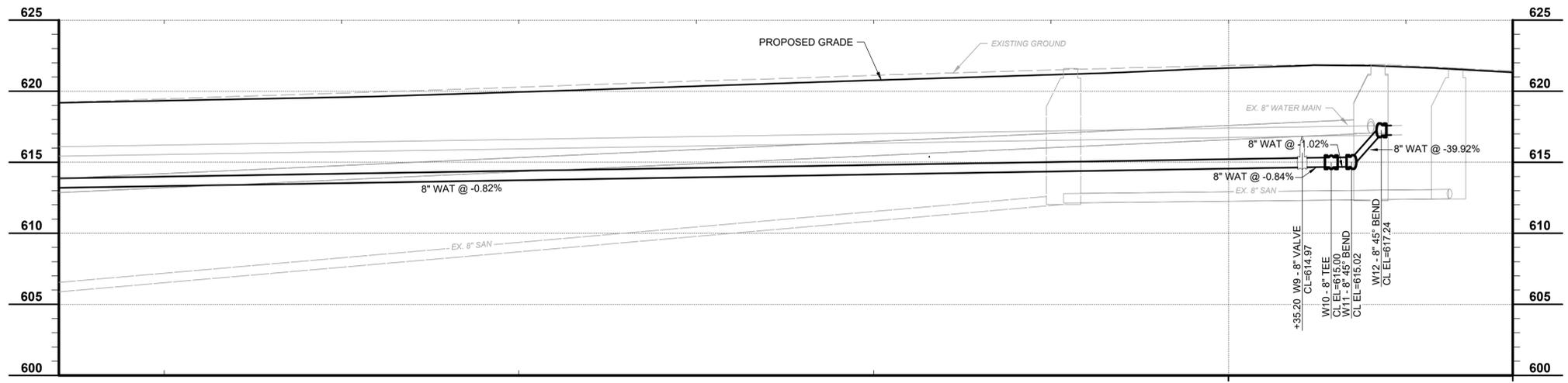
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WATER CONSTRUCTION NOTES

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- 2 INSTALL NEW 1" PVC WATER SERVICE FROM MAIN TO BUILDING EXTERIOR.
- 3 INSTALL NEW 1" PVC WATER SERVICE FROM MAIN TO METER (INSIDE BUILDING).

NOTES:
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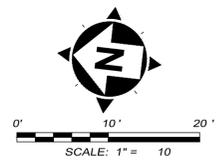
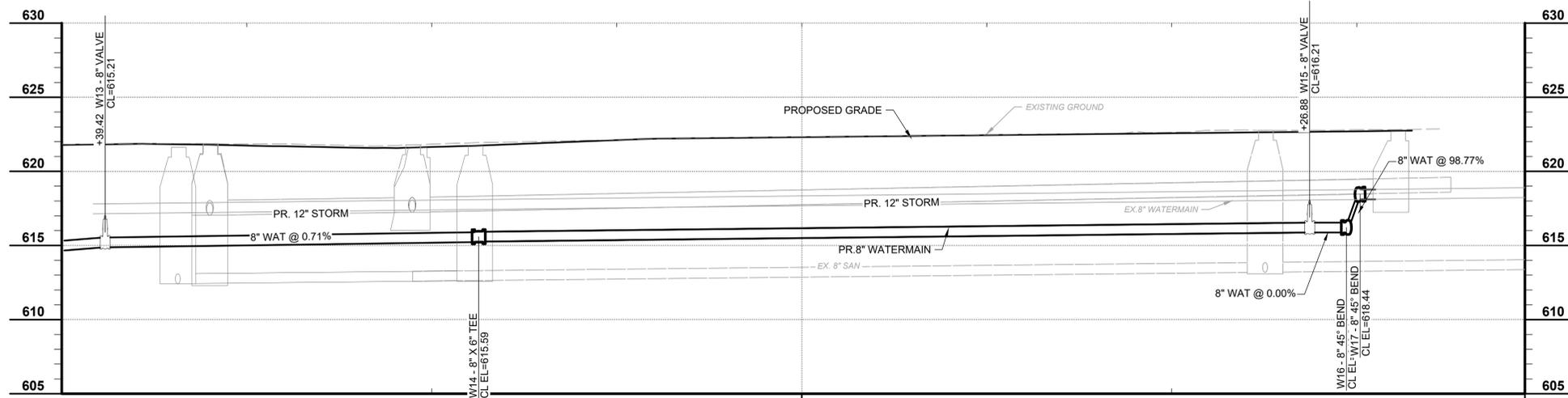
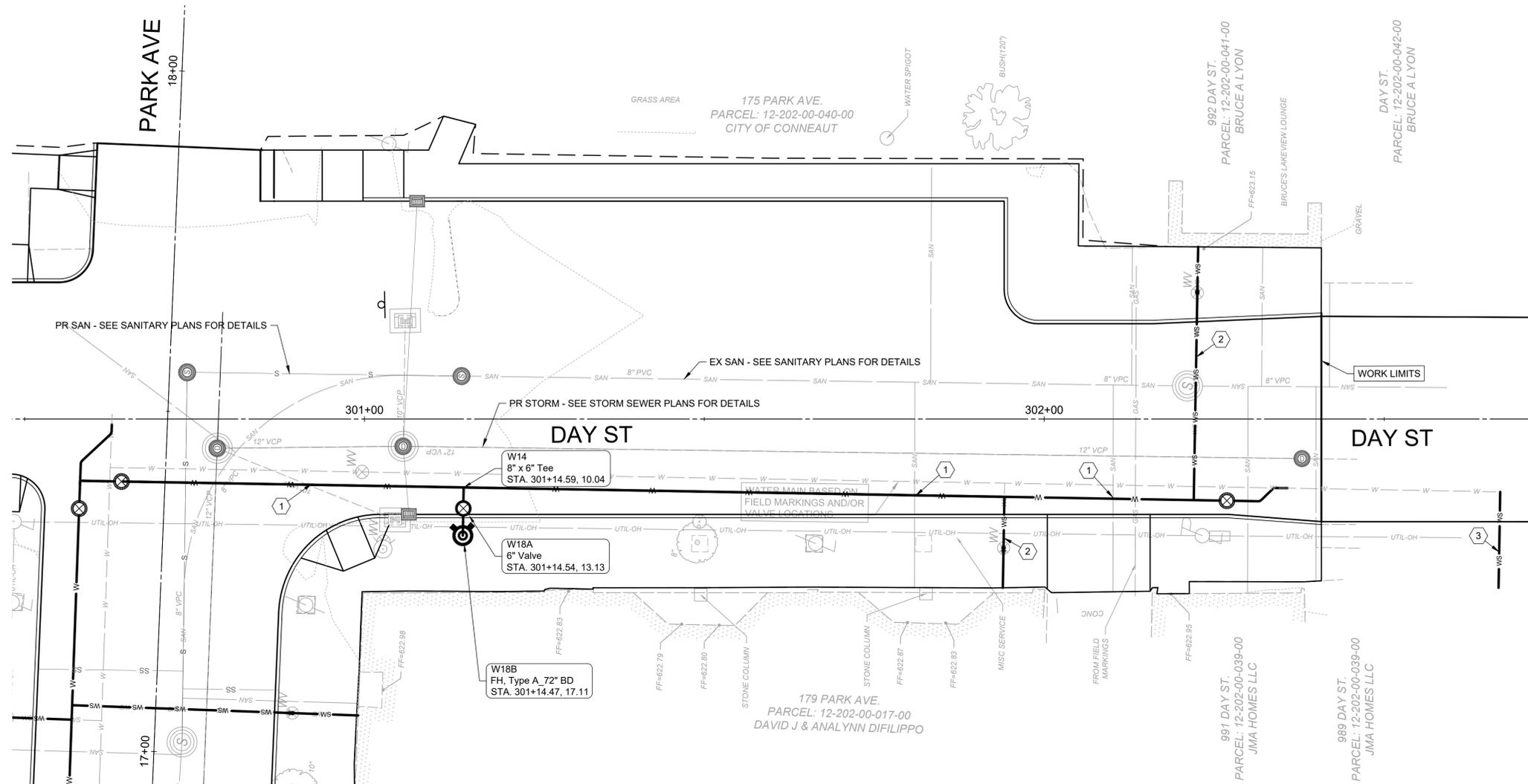
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CHECKED BY:	C. KOEHLNK			



PARK ST AND DAY ST IMPROVEMENTS - PART B
 - CONNEAUT -

WATER MAIN PLAN & PROFILE

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	WATER3
SHEET	38
OF	41



WATER CONSTRUCTION NOTES

- 1 UTILITY CROSSING LOCATE AND POTHOLE UTILITIES.
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PARK ST AND DAY ST IMPROVEMENTS - PART B
- CONNEAUT -

WATER MAIN PLAN & PROFILE

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	WATER4
SHEET	39
OF	41

EROSION & SEDIMENT CONTROL NOTES

- THE EROSION AND SEDIMENT CONTROL MEASURES INCLUDED IN THIS PLAN SHALL BE INSTALLED SEVEN (7) DAYS PRIOR TO INITIAL LAND DISTURBANCE ACTIVITIES. SEDIMENT SHALL BE PREVENTED FROM DISCHARGING FROM THE PROJECT SITE BY INSTALLING AND MAINTAINING SILT FENCE. STRUCTURAL PRACTICES SHALL BE USED TO CONTROL EROSION FROM ALL AREAS REMAINING DISTURBED FOR MORE THAN FOURTEEN (14) DAYS.
- THE CONTRACTOR SHALL CONTROL WASTE, GARBAGE, DEBRIS, WASTEWATER AND OTHER SUBSTANCES ON THE SITE IN SUCH A WAY THAT THEY SHALL NOT BE TRANSPORTED FROM THE SITE BY THE ACTION OF WINDS, STORMWATER RUNOFF OR OTHER FORCES. PROPER DISPOSAL OR MANAGEMENT OF ALL WASTE AND UNUSED BUILDING MATERIAL, APPROPRIATE TO THE NATURE OF THE WASTE OR MATERIAL, IS REQUIRED. COMPLIANCE IS REQUIRED WITH ALL STATE OR LOCAL REGULATIONS REGARDING WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEMS.
- TEMPORARY CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A STATE THAT SHALL PREVENT TRACKING OR FLOW OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. THIS WILL BE ACCOMPLISHED BY USE OF GRAVEL CONSTRUCTION ENTRANCES, AND THE REPAIR AND/OR CLEANOUT OF ANY DEVICES USED TO TRAP SEDIMENT. PUBLIC OR PRIVATE ROADWAYS SHALL BE CLEARLY OF ACCUMULATED SEDIMENT ONLY ON AN AS-NEEDED BASIS. BULK CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING THE AREA WITH WATER. CLEARED SEDIMENT SHALL BE RETURNED TO THE POINT OF LIKELY ORIGIN OR OTHER SUITABLE LOCATION.
- ALL ONSITE STORM DRAIN INLETS SHALL BE PROTECTED AGAINST SEDIMENTATION WITH FILTER FABRIC OR EQUIVALENT BARRIERS AS SHOWN ON THESE PLANS. ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY REQUIRE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.
- THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN THE CONSTRUCTION SITE. ALL MEASURES INVOLVING EROSION CONTROL PRACTICES SHALL BE INSTALLED UNDER THE GUIDANCE OF QUALIFIED PROFESSIONAL ENGINEER IN EROSION CONTROL AND FOLLOWING THE PLANS AND SPECIFICATIONS INCLUDED IN THE PLAN.
- DURING THE PERIODS OF CONSTRUCTION ACTIVITY, ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR. AT THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE TRANSFER OF MAINTENANCE RESPONSIBILITIES, IF REQUIRED, WITH THE OWNER. MAINTENANCE SHALL BE IN ACCORDANCE WITH THE CITY OF CONNEAUT, OHIO ENVIRONMENTAL PROTECTION AGENCY (EPA) GENERAL CONSTRUCTION PERMIT AND THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR) RAINWATER AND LAND DEVELOPMENT CURRENT EDITION.
- ALL EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE CITY OF CONNEAUT, OHIO ENVIRONMENTAL PROTECTION AGENCY (EPA) GENERAL CONSTRUCTION PERMIT AND THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR) RAINWATER AND LAND DEVELOPMENT CURRENT EDITION.
- EXISTING VEGETATION SHALL BE PROTECTED AS MUCH AS POSSIBLE. ALL REASONABLE ATTEMPTS SHOULD BE MADE TO MINIMIZE THE TOTAL AREA OF DISTURBED LAND.
- ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED IN ACCORDANCE WITH THE CONDITIONS OF THE APPLICABLE NPDES PERMIT.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE REMOVED AND DISPOSED OF WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.
- THIS PLAN MUST BE POSTED ON SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE-SPECIFIC NOI NUMBER) SHALL BE KEPT ON-SITE AT ALL TIMES.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENTATION RUNOFF FROM THE SITE ALONG WITH PROPER MAINTENANCE AND INSPECTION IN ACCORDANCE WITH THE NPDES GENERAL PERMIT FROM THE STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY.
- PRIOR TO CONSTRUCTION OPERATIONS IN A PARTICULAR AREA, ALL EROSION CONTROL FEATURES SHALL BE IN PLACE. FIELD ADJUSTMENTS WITH RESPECT TO LOCATION AND DIMENSIONS MAY BE MADE BY THE CITY OF CONNEAUT, OHIO EPA AND THE DESIGNER/ENGINEER.
- IT MAY BECOME NECESSARY TO REMOVE PORTIONS OF THE BARRIER (SILT FENCE, STRAW WATTLES) DURING CONSTRUCTION TO FACILITATE THE GRADING OPERATIONS IN A CERTAIN AREA. HOWEVER, THE BARRIER SHALL BE IN PLACE IN THE EVENING OR DURING ANY INCLEMENT WEATHER.
- SEEDING HAS BEEN ASSUMED TO BE 4'-0" OUTSIDE THE GRADING LIMITS. ALL AREAS NOT DESIGNATED TO BE SEEDED SHALL REMAIN UNDER NATURAL GROUND COVER. THOSE AREAS DISTURBED OUTSIDE THE SEEDING LIMITS SHALL BE SEEDED AND MULCHED AT THE CONTRACTOR'S EXPENSE.
- THE USE OF STRAW WATTLES HAS BEEN PROVEN TO BE A VERSATILE AND EFFECTIVE EROSION AND SEDIMENT CONTROL BMP. STRAW WATTLES MAY BE SUBSTITUTED FOR SILT FENCE IN A LINEAR INSTALLATION. STRAW WATTLES MUST BE A MINIMUM OF 12 INCHES IN DIAMETER. COMPOST FILTER SOCK MAY BE SUBSTITUTED FOR SILT FENCE.
- THE EROSION AND SEDIMENT PLAN SHALL INCORPORATE MEASURES WHICH CONTROL THE FLOW OF RUNOFF FROM DISTURBED AREAS SO AS TO PREVENT EROSION FROM OCCURRING. SUCH PRACTICES INCLUDE ROCK CHECK DAMS, PIPE SLOPE DRAINS, DIVERSIONS TO DIRECT FLOW AWAY FROM EXPOSED SOILS AND PROTECTIVE GRADING PRACTICES. THESE PRACTICES SHALL DIVERT RUNOFF AWAY FROM DISTURBED AREAS AND STEEP SLOPES WHERE PRACTICABLE.
- ALL SEDIMENT CONTROL PRACTICES MUST BE CAPABLE OF PONDING RUNOFF IN ORDER TO BE CONSIDERED FUNCTIONAL. EARTH DIVERSION DIKES OR CHANNELS ALONE ARE NOT CONSIDERED A SEDIMENT CONTROL PRACTICE UNLESS THESE ARE USED IN CONJUNCTION WITH A SEDIMENT SETTLING POND.
- SEDIMENT CONTROL STRUCTURES SHALL BE FUNCTIONAL THROUGHOUT THE COURSE OF EARTH DISTURBANCE ACTIVITIES. PERIMETER SEDIMENT BARRIERS SHALL BE IMPLEMENTED PRIOR TO GRADING AND WITHIN SEVEN (7) DAYS FROM THE START OF CONSTRUCTION ACTIVITIES. THEY SHALL CONTINUE TO BE FUNCTIONAL UNTIL THE UP SLOPE PROJECT AREA IS REESTABLISHED. AS CONSTRUCTION PROGRESSES AND THE TOPOGRAPHY IS ALTERED, APPROPRIATE CONTROLS MUST BE CONSTRUCTED OR EXISTING CONTROLS ALTERED TO ADDRESS THE CHANGING DRAINAGE PATTERNS.
- SHEET FLOW RUNOFF FROM DENUDEED AREAS SHALL BE INTERCEPTED BY PERIMETER FILTER FABRIC FENCE TO PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM SEDIMENT TRANSPORTED VIA SHEET

- FLOW WHERE INTENDED TO PROVIDE SEDIMENT CONTROL. PERIMETER FILTER FABRIC FENCE SHALL BE PLACED ON A LEVEL CONTOUR DOWNSLOPE OF THE DISTURBED AREA.
- ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL MINIMIZE SEDIMENT LADEN WATER FROM ENTERING ACTIVE STORM DRAIN SYSTEMS. ALL INLETS RECEIVING RUNOFF FROM DRAINAGE AREAS OF ONE OR MORE ACRES WILL REQUIRE A SEDIMENT SETTLING POND.
 - ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF THE CITY OF CONNEAUT AND/OR THE OHIO EPA IN ORDER TO COMPLY WITH THE APPLICABLE LAWS AND REGULATIONS.
 - EXCEPT AS PREVENTED BY INCLEMENT WEATHER CONDITIONS, ALL DISTURBED AREAS TO REMAIN INACTIVE FOR MORE THAN THIRTY (30) DAYS SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING OR ANY OTHER EQUIVALENT EROSION CONTROL MEASURE WITHIN SEVEN (7) DAYS. PERMANENT SOIL STABILIZATION SHALL BE PROVIDED WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS ESTABLISHED.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE SEDIMENT CONTROL FEATURES USED ON THIS PROJECT. THE SITE SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY-FOUR (24) HOURS AFTER ANY STORM EVENT GREATER THAN ONE-HALF (0.50) INCH OF RAIN PER TWENTY-FOUR (24) HOUR PERIOD. THE INSPECTION FREQUENCY MAY BE REDUCED TO ONCE A MONTH IF THE ENTIRE SITE IS TEMPORARILY STABILIZED OR UNOCCUPIED UNLIKELY DUE TO WEATHER CONDITIONS (SNOW, ICE OR FROZEN GROUNDS). RECORDS OF THESE INSPECTIONS SHALL BE KEPT ON SITE AND MADE AVAILABLE TO JURISDICTIONAL AGENCIES IF REQUESTED. ANY SEDIMENT OR DEBRIS WHICH HAS REDUCED THE EFFICIENCY OF A STRUCTURE SHALL BE REMOVED IMMEDIATELY. SHOULD A STRUCTURE OR FEATURE BECOME DAMAGED, THE CONTRACTOR SHALL REPAIR OR REPLACE THE STRUCTURE AT NO ADDITIONAL COST TO THE OWNER.
 - THIS EROSION AND SEDIMENT CONTROL PLAN IS TO BE USED AS A BASE PLAN FOR THE CONTRACTOR AND IF IT IS REQUIRED TO BE MODIFIED, THE CONTRACTOR SHALL NOTIFY THE DESIGNER/ENGINEER OF ANY CHANGES BY SUBMITTING A REVISED EROSION AND SEDIMENT CONTROL PLAN IDENTIFYING ALL REVISIONS REQUIRED AS A RESULT OF THE WORK. REVISIONS SHALL INCLUDE ALL PROPOSED BMPS NOT PROPOSED ON THIS PLAN OR CONSTRUCTION DOCUMENTS. THE PLAN SHALL BE UPDATED AS CONTROLS ARE PLACED IN THE FIELD.
 - THE CONTRACTOR MAY INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPS ON A ROLLING BASIS AS CONSTRUCTION PROGRESSES. NO EARTH DISTURBANCE MAY OCCUR IN AN AREA UNLESS THE BMP ASSOCIATED WITH THE TRIBUTARY AREA IS IN PLACE. THE CONTRACTOR SHALL APPRISE THE CITY OF CONNEAUT AND DESIGNER/ENGINEER OF THE ANTICIPATED INSTALLATION RANGE, DATE OF INSTALLED CONTROLS AND LOG THE ACTUAL PLACEMENT RANGE AND DATE ON THE PLAN.
 - THE SEDIMENT AND EROSION CONTROL PLAN AS HEREIN DELINEATED IS SUBJECT TO ADJUSTMENT TO ENSURE EROSION CONTROL MEASURES ARE PROPERLY COORDINATED WITH SUCCESSIVE CONSTRUCTION STAGES. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO MINIMIZE THE TOTAL AMOUNT OF AREA DISTURBED AT ONE TIME.
 - WATER MAY BE USED FOR DUST CONTROL. USED OIL MAY NOT BE USED FOR DUST CONTROL.
 - ALL INSPECTION RECORDS SHALL BE RETAINED FOR AT LEAST THREE (3) YEARS AFTER COMPLETION OF CONSTRUCTION ACTIVITIES.
 - DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF CONNEAUT REGULATIONS. THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES.

THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE INLET PROTECTION IS ADEQUATE. THE MOST STRINGENT PROJECT PLANS, NOTES AND/OR DRAWINGS INCLUDE STORMWATER POLLUTION PREVENTION PLAN (SWP3) OR SPILL PREVENTION/REMEDIALATION PLAN SHALL APPLY TO ALL PAVEMENT CUTTING, SAWING OR EXCAVATION OPERATIONS.

- SHOULD THE INSPECTION INDICATE THAT ANY BMP'S REQUIRE MAINTENANCE OR REPAIR, THE CONTRACTOR SHALL REPAIR NON-SEDIMENT POND BMP'S WITHIN THREE (3) DAYS OF INSPECTION AND REPAIR OR CLEAN OUT SEDIMENT PONDS WITHIN FIVE (5) DAYS OF INSPECTION.
- IF THE INSPECTION INDICATES THAT A BMP IS NOT MEETING ITS INTENDED FUNCTION, THE CONTRACTOR SHALL INSTALL A NEW BMP WITHIN THREE (3) DAYS OF INSPECTION.
- SHOULD THE INSPECTION INDICATE ANY MISSING BMP'S REQUIRED TO BE INSTALLED UNDER THIS PLAN, THE CONTRACTOR SHALL INSTALL ANY MISSING BMP'S WITHIN FIVE (5) DAYS OF INSPECTION.
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE OHIO EPA GENERAL NPDES PERMIT FOR CONSTRUCTION ACTIVITY AND CITY OF CONNEAUT ORDINANCES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING COVERAGE UNDER ANY GENERAL NPDES PERMIT AND/OR OBTAINING ANY INDIVIDUAL NPDES PERMIT FOR CONSTRUCTION ACTIVITY UNDER THIS PLAN.
- STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGHOUT DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING, AND (IF NECESSARY) MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS.
- TEMPORARY SEEDING: PER ODOT ITEM 832 CONSTRUCTION SEEDING AND MULCHING. SEE TABLE 2 THIS SHEET.
- PERMANENT SEEDING: PER ODOT ITEM 659 SEEDING AND MULCHING. SEE TABLE 1 THIS SHEET.
- ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

EROSION & SEDIMENTATION CONTROL NARRATIVE

OWNER/SITE CONTACT: CITY OF CONNEAUT
294 MAIN STREET
CONNEAUT, OH 44030
PHONE: 440-593-7401
CONTACT: NICK SANFORD
CITY MANAGER
EMAIL: manager@conneautoh.org

PLAN DESIGNER: VERDANTAS
4420 COOPER RD, SUITE 200
CINCINNATI, OHIO 45242
PHONE: (513) 791-1700

PROJECT DESCRIPTION: STREETSCAPING OF PARK AVENUE FROM HARBOR STREET TO DAY STREET, INCLUDING REPLACEMENT OF SELECT UTILITIES AND LINING OF SANITARY SEWER.

EXISTING SITE CONDITIONS: PROJECT SITE IS FULLY PAVED WITH BUILDINGS.

ADJACENT AREAS: RESIDENTIAL AND COMMERCIAL AREAS ARE LOCATED ADJACENT TO THE PROPERTY.

DISTURBED ACREAGE: 1.13± ACRES

CRITICAL AREAS: ALL STORM SEWERS SHALL REMAIN SEDIMENT FREE DURING CONSTRUCTION.

EROSION AND SEDIMENT SITE RUNOFF WILL BE CONTROLLED BY INLET PROTECTION, CONSTRUCTION SEEDING, MULCHING, PERIMETER FILTER FABRIC FENCE AND STRAW WATTLES/FILTER SOCKS. THE FINAL SITE STABILIZATION WILL INCLUDE ASPHALT CONCRETE PAVEMENT, CONCRETE SIDEWALK AND GRASS STABILIZATION IN OTHER AREAS.

SEQUENCE OF CONSTRUCTION

- THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE CITY AND DESIGNER/ENGINEER. SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE PLACED AND MAINTAINED IN ACCORDANCE WITH THIS SCHEDULE. SCHEDULE TO FOLLOW SEQUENCE BELOW, AT MINIMUM:
- INSTALL PERIMETER FILTER FABRIC FENCE/STRAW WATTLES/FILTER SOCK AND INLET PROTECTION WITHIN CONSTRUCTION WORK LIMITS.
 - INSTALL CONSTRUCTION ROAD STABILIZATION.
 - CLEAR & GRUB SITE, REMOVE TREES & STUMPS WITHIN CONSTRUCTION WORK LIMITS. TEMPORARY SEED/STABILIZE AREAS AS NEEDED.
 - ROUGH GRADE ROADWAY.
 - REMOVE CONSTRUCTION ROAD STABILIZATION AND CONSTRUCT ROADWAY AND SIDEWALKS.
 - FINAL GRADE/STABILIZE AREAS WITHIN CONSTRUCTION WORK LIMITS.
 - REMOVE PERIMETER FILTER FABRIC FENCE/STRAW WATTLES/FILTER SOCK. RESEED ANY AREAS AS NEEDED TO ESTABLISH VEGETATION GROWTH.

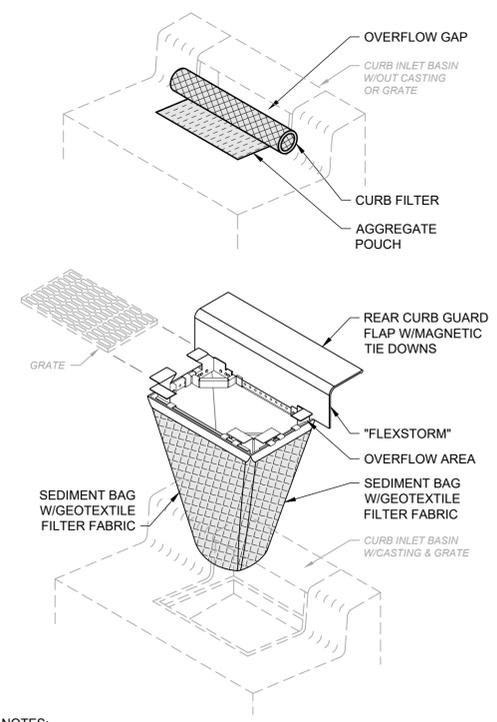
TABLE 1: PERMANENT STABILIZATION

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE
OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

TABLE 2: TEMPORARY STABILIZATION

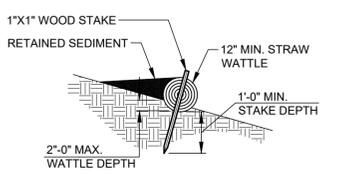
AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WEATHER

EROSION AND SEDIMENT CONTROL DETAILS



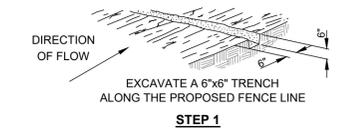
- NOTES:**
- ALL NEW AND EXISTING STORM INLET BASINS WITHIN THE WORK LIMITS SHALL HAVE INLET PROTECTION INSTALLED.
 - INLET PROTECTION SHALL BE INSTALLED AS EACH STORM INLET IS CONSTRUCTED.
 - NOT ALL ITEMS SHOWN MAY APPLY OR DIFFERENT TYPES OR CONFIGURATIONS MAY BE REQUIRED. THE CONTRACTOR SHALL MEASURE EACH INLET TO CONFIGURE AND ASSEMBLE CUSTOMIZED INLET FILTERS.

INLET PROTECTION DETAIL
SCALE: NONE

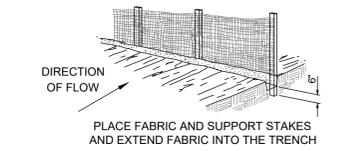


STRAW WATTLE/FILTER SOCK
NTS

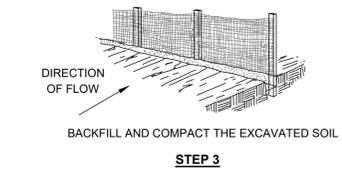
- NOTES:**
- STRAW WATTLES AND SEDIMENT BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER RAINFALL AND REPAIRS SHALL BE MADE IMMEDIATELY. SHOULD THE BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NEEDED, THE BARRIER SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN-PLACE AFTER THE FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.



STEP 1



STEP 2



STEP 3

MATERIALS:

FURNISH 30" WIDE FILTER FABRIC WITH SOUND WOOD SUPPORTS WITH MAXIMUM ON-CENTER SPACING OF 10'. USE FILTER FABRIC CONFORMING TO 712.09, TYPE C.

CONSTRUCTION:

TRENCH THE FILTER FABRIC FENCE AS DETAILED. THE CONTRACTOR MAY ELECT TO TRENCH THE FENCE DETAILED ON STEPS 1 THROUGH 3 IN ONE FLOWING OPERATION.

PAYMENT:

ITEM SPECIAL - EROSION & SEDIMENT CONTROL.

MAINTENANCE:

IF RUNOFF OVERTOPS THE FENCE, FLOWS UNDER THE FABRIC, AROUND THE FENCE ENDS, OR IN ANY OTHER WAY ALLOWS CONCENTRATED FLOW TO DISCHARGE, ONE OF THE FOLLOWING MUST BE PERFORMED:

- THE LAYOUT OF THE FENCE SHALL BE CHANGED
- SEDIMENT SHALL BE REMOVED
- ANOTHER BMP SHALL BE INSTALLED

SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED OR WHEN THE SEDIMENT REACHES ONE-HALF (1/2) OF THE HEIGHT OF THE FENCE.

FILTER FABRIC FENCE SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONG RAINFALL. THE LOCATION OF THE FENCE SHALL BE REVIEWED DAILY TO ENSURE EFFECTIVENESS.

REPAIRS SHALL BE MADE AS NEEDED TO ENSURE BMP IS PERFORMING AS INTENDED.

CONSTRUCTION ENTRANCE
SCALE: NONE

SILT FENCE DETAIL
SCALE: NONE



ISSUED FOR:	90% REVIEW	NO	REVISION	DATE
ISSUE DATE:	11/3/2025	01	PTI REVISION - 1	11/7/2026
SCALE:	AS SHOWN			
DESIGNED BY:	C. BARRY			
DRAWN BY:	C. BARRY			
CHECKED BY:	C. KOEHLNIK			

PARK ST AND DAY ST IMPROVEMENTS - PART B - CONNEAUT - SEDIMENT & EROSION CONTROL NOTES & DETAILS

PROJECT NO.	241751
DISCIPLINE	CIVIL
SHEET NAME	SWPPP
SHEET	OF
40	41

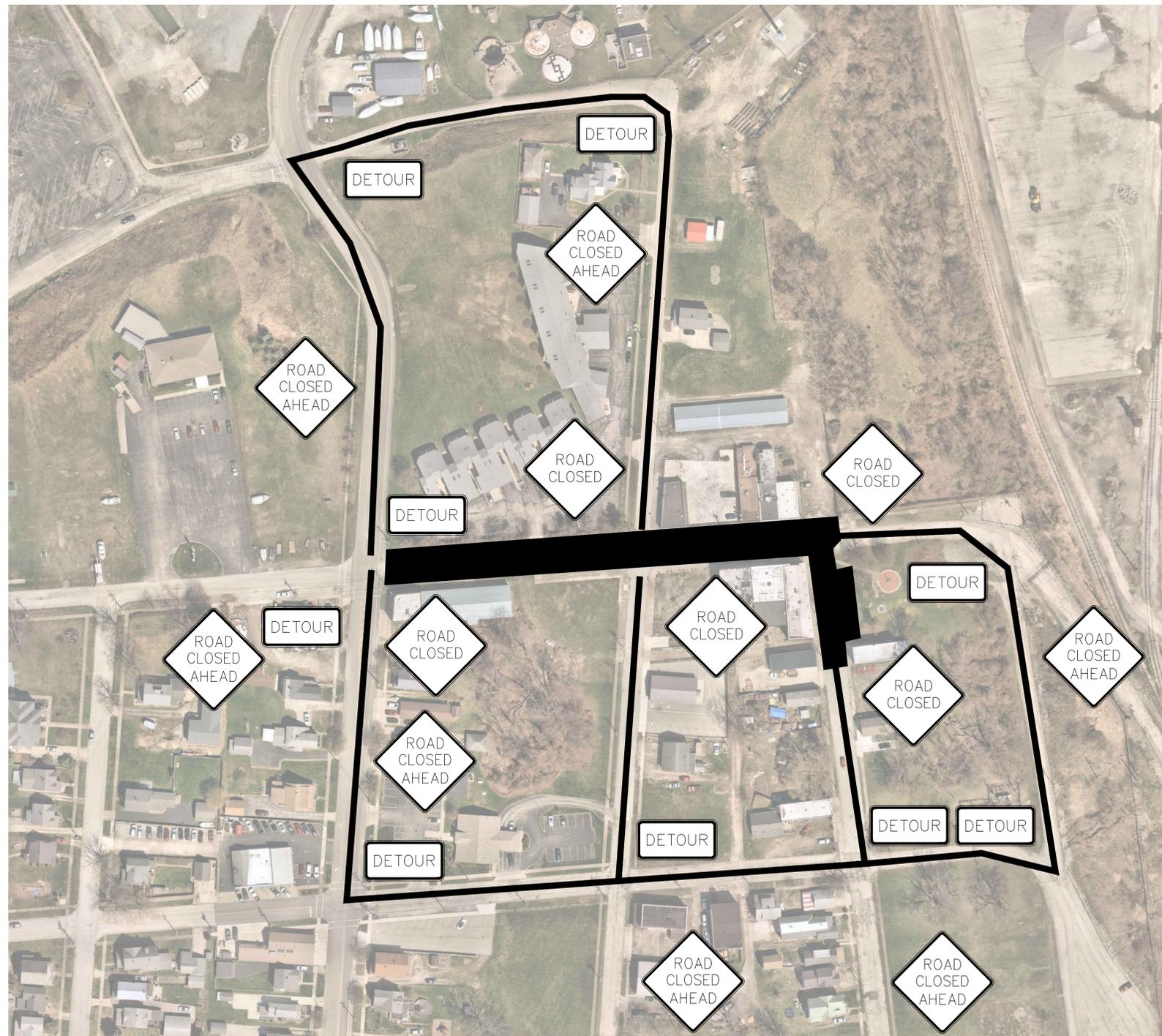


verdantas

LEGEND

-  WORK ZONE
-  PROPOSED DETOUR ROUTE

NOTE:
 1. SUGGESTED DETOUR ROUTE. CONTRACTOR TO SUBMIT THEIR OWN MOT TO THE CITY FOR REVIEW & APPROVAL PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH ODOT D4 (MS. MARYBETH CHRISTOFF) FOR DETOURING TRAFFIC.
 2. CONTRACTOR SHALL USE ODOT SCD MT-097.12 PLANS AND NOTES FOR ONE-LANE CLOSURE.



ISSUED FOR:	90% REVIEW	NO	REVISION	DATE
ISSUE DATE:	11/3/2025	01	PTI REVISION - 1	1/7/2026
SCALE:	AS SHOWN			
DESIGNED BY:	C.BARRY			
DRAWN BY:	C.BARRY			
CHECKED BY:	C.KOGELENIK			

**PARK ST AND DAY ST
 IMPROVEMENTS - PART B
 - CONNEAUT -**

MAINTENANCE OF TRAFFIC

PROJECT NO.	
241751	
DISCIPLINE	
CIVIL	
SHEET NAME	
MOT	
SHEET	OF
41	41