

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

HAM US 22/CR273 Intersec Improv

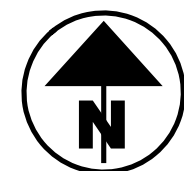
SEC. 24, 19, 18, 13. T. 4. F.R. 2, E.R. 1, 2

VILLAGE OF SILVERTON
SYCAMORE TOWNSHIP
CITY OF DEER PARK
COLUMBIA TOWNSHIP
HAMILTON COUNTY



LOCATION MAP 1" = 1 MILE

LATITUDE: 39°11'41" N LONGITUDE: 84°24'02" W



PORTION TO BE IMPROVED	=====
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	=====

DESIGN DESIGNATION

	MONTGOMERY RD	PLAINFIELD (NORTH)	PLAINFIELD (SOUTH)
CURRENT ADT (2026)	12,940	10,030	5,160
DESIGN YEAR ADT (2046)	19,200	12,000	6,170
DESIGN HOURLY VOLUME (2046)	1,920	1,200	617
DIRECTIONAL DISTRIBUTION	0.54	0.52	0.50
TRUCKS (24 HOUR B&C)	3%	2%	.9%
DESIGN SPEED	25 MPH	25 MPH	25 MPH
LEGAL SPEED	25 MPH	25 MPH	25 MPH

DESIGN FUNCTIONAL CLASSIFICATION:

PRINCIPAL ARTERIAL - MONTGOMERY
 MINOR ARTERIAL - PLAINFIELD (NORTH OF MONTGOMERY)
 COLLECTOR - PLAINFIELD (SOUTH OF MONTGOMERY), BLUE ASH RD, SECTION RD

NHS PROJECT ----- NO

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

UNDERGROUND UTILITIES
 Contact Two Working Days
 Before You Dig

OHIO811. 8-1-1. or 1-800-362-2764
 (Non members must be called directly)

PLAN PREPARED BY:
 TEC ENGINEERING, INC.
 7288 CENTRAL PARKE BLVD.
 MASON, OH 45040

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STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-3.1	1/19/24	MT-95.31	7/18/25	TC-16.22	1/16/26	TC-85.20	4/21/23	800	1/16/26		
BP-4.1	7/19/13	MT-95.32	7/18/25	TC-21.21	7/18/25	TC-86.10	7/18/25	805	7/16/10		
BP-5.1	1/16/26	MT-97.10	7/18/25	TC-41.20	10/18/13	TC-87.10	1/16/26	809	1/16/26		
BP-7.1	1/16/26	MT-97.12	1/16/26	TC-41.30	4/21/23			816	10/18/19		
		MT-101.60	1/17/25	TC-41.40	1/16/26	HL-30.11	1/16/26	819	1/17/20		
CB-2-3, 2-4	7/19/24	MT-101.90	7/17/20	TC-41.41	7/19/19	HL-30.22	1/17/25	828	1/19/18		
CB-3	1/16/26	MT-103.10	7/18/25	TC-42.20	10/18/13			832	7/18/25		
CB-3A	1/16/26	MT-105.10	1/17/20	TC-52.10	10/18/13			839	7/16/21		
CB-6	7/19/24	MT-110.10	7/19/13	TC-52.20	1/15/21			878	1/16/26		
DM-1.1	1/17/25			TC-71.10	1/16/26			902	1/16/26		
MH-3	7/19/24			TC-74.10	1/16/26			903	7/20/12		
				TC-81.22	1/16/26			909	1/16/26		
RM-2.1	7/19/13			TC-83.10	1/16/26			916	7/19/24		
				TC-83.20	1/16/26			919	1/17/20		
				TC-83.30	1/16/26			928	1/19/18		
				TC-85.10	1/16/26			939	1/17/20		

FEDERAL PROJECT NUMBER

E240414

RAILROAD INVOLVEMENT

INDIANA & OHIO RAILROAD
 X-ING 525279M (PLAINFIELD RD)
 X-ING 525281N (SECTION RD) AND 525728F (WEBSTER AVE) - IMPACTED BY MOT

PROJECT DESCRIPTION

RECONSTRUCTION OF PLAINFIELD ROAD FROM ST. JAMES AVE. TO THE RAILROAD AND BLUE ASH ROAD FROM PLAINFIELD ROAD TO CORP LIMIT. INCLUDES INTERSECTION IMPROVEMENTS AND SIGNAL REPLACEMENT.

RR note updated per RR review

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	1.23 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	N/A
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A - ROUTINE MAINTENANCE PROJECT

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEARBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 011.

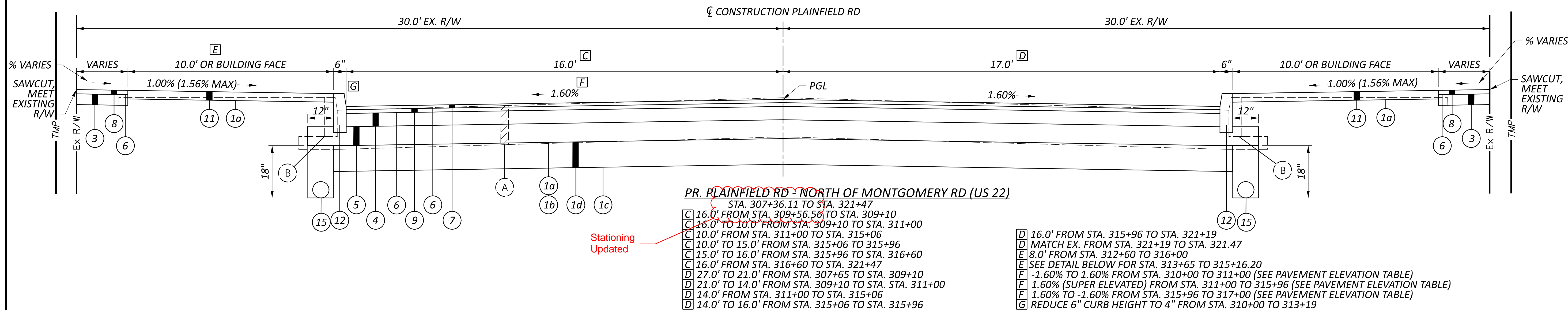
Douglas A. Gruver, P.E.
 District 08 Deputy Director

Pamela Boratyn
 Director, Department of Transportation

ENGINEER'S SEAL	ENGINEER'S SEAL

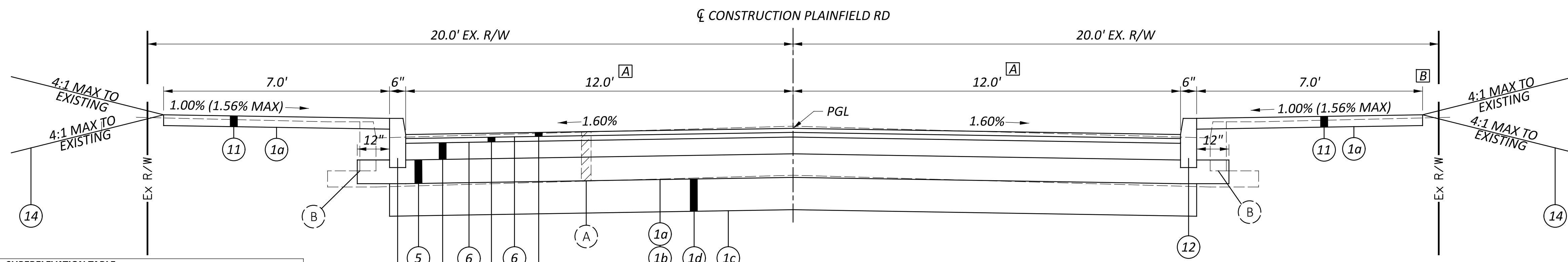
TITLE SHEET

DESIGN AGENCY	KLL
PLANNED BY	ALH
REVIEWER	04/29/26
PROJECT ID	116550
SHEET	001
TOTAL	166



PR. PLAINFIELD RD - NORTH OF MONTGOMERY RD (US 22)

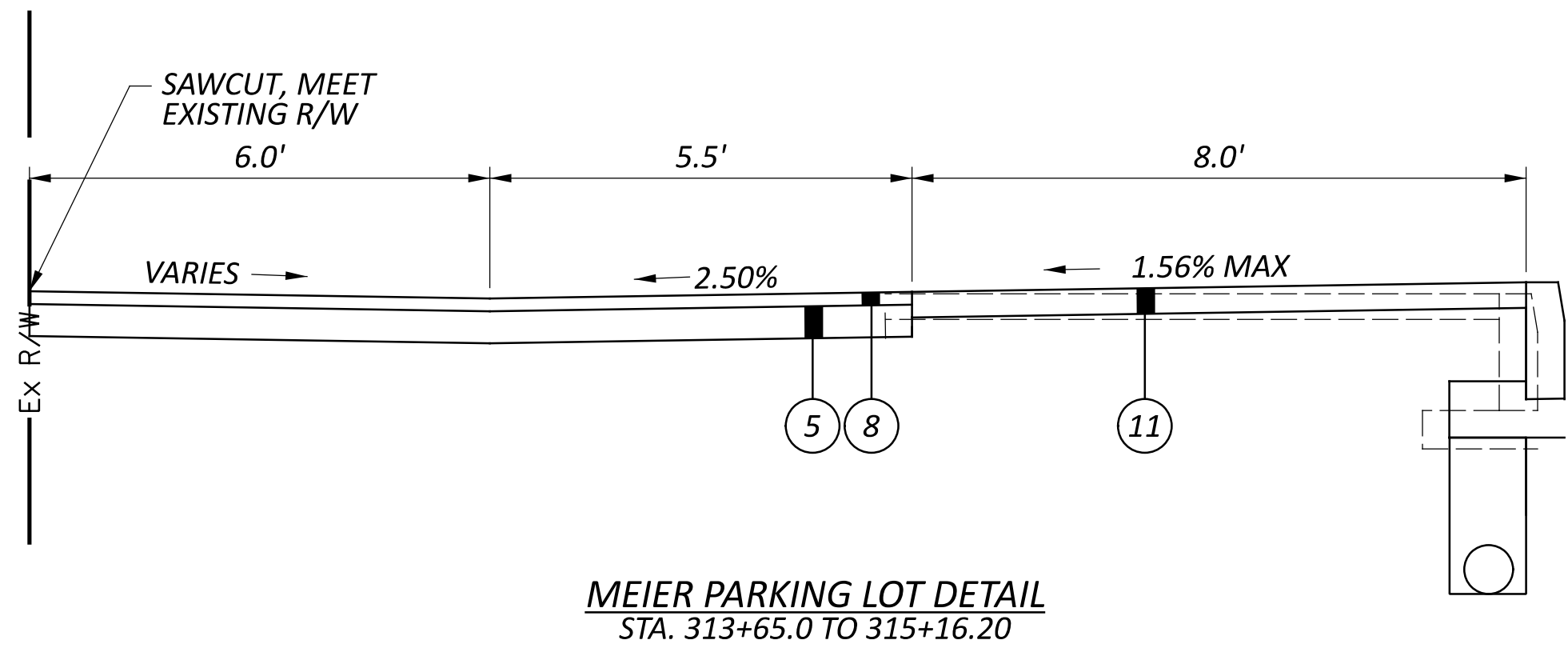
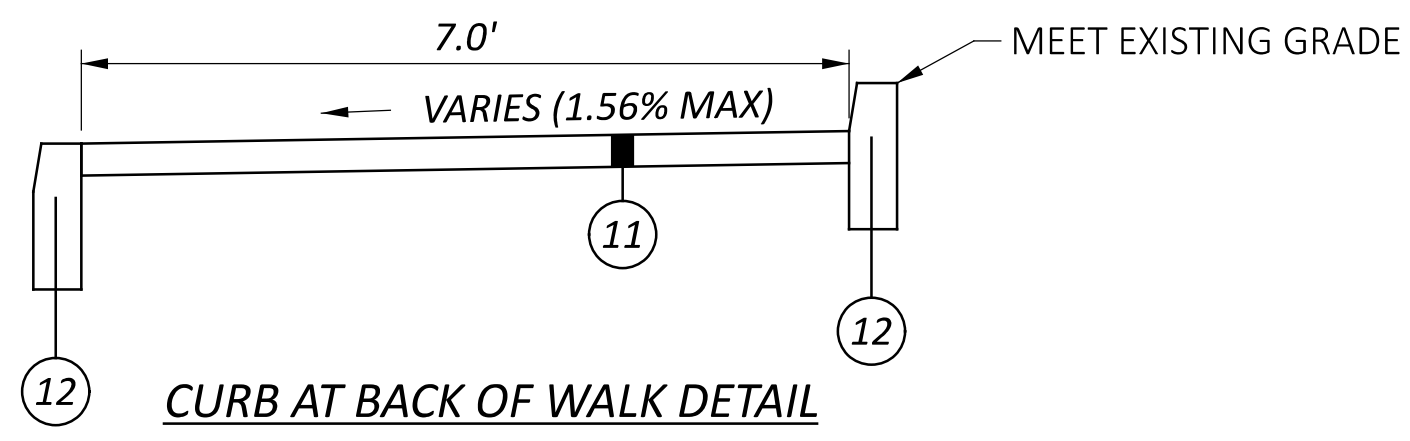
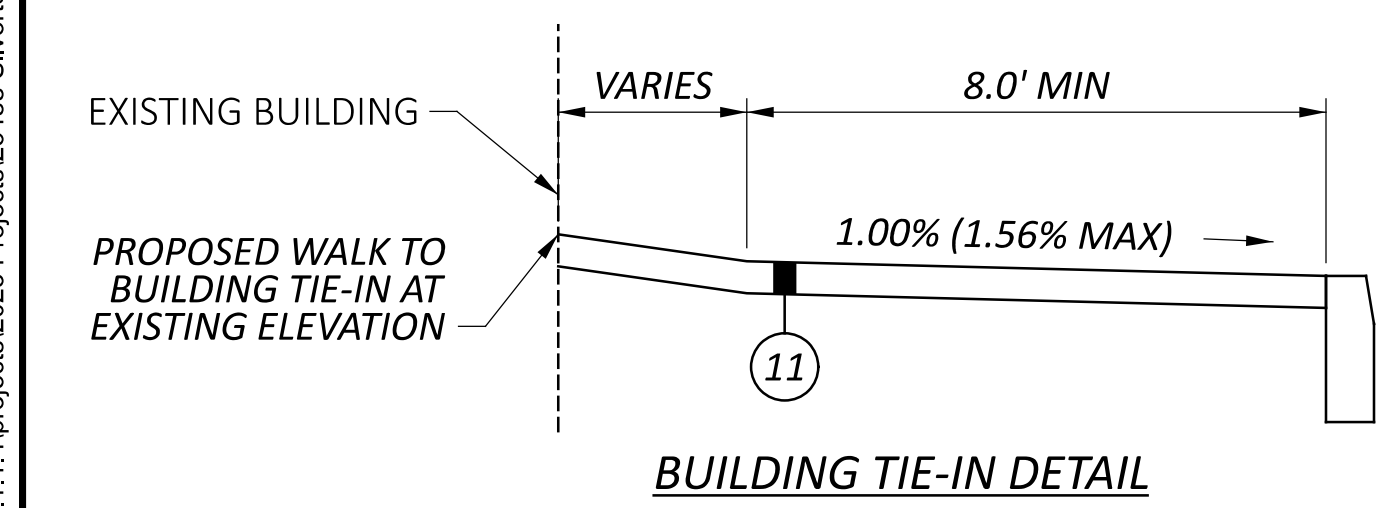
- STA. 307+36.11 TO STA. 321+47
- C 16.0' FROM STA. 309+56.56 TO STA. 309+10
- C 16.0' TO 10.0' FROM STA. 309+10 TO STA. 311+00
- C 10.0' FROM STA. 311+00 TO STA. 315+06
- C 10.0' TO 15.0' FROM STA. 315+06 TO STA. 315+96
- C 15.0' TO 16.0' FROM STA. 315+96 TO STA. 316+60
- C 16.0' FROM STA. 316+60 TO STA. 321+47
- D 27.0' TO 21.0' FROM STA. 307+65 TO STA. 309+10
- D 21.0' TO 14.0' FROM STA. 309+10 TO STA. 311+00
- D 14.0' FROM STA. 311+00 TO STA. 315+06
- D 14.0' TO 16.0' FROM STA. 315+06 TO STA. 315+96
- D 16.0' FROM STA. 315+96 TO STA. 321+19
- D MATCH EX. FROM STA. 321+19 TO STA. 321.47
- E 8.0' FROM STA. 312+60 TO 316+00
- E SEE DETAIL BELOW FOR STA. 313+65 TO 315+16.20
- F -1.60% TO 1.60% FROM STA. 310+00 TO 311+00 (SEE PAVEMENT ELEVATION TABLE)
- F 1.60% (SUPER ELEVATED) FROM STA. 311+00 TO 315+96 (SEE PAVEMENT ELEVATION TABLE)
- F 1.60% TO -1.60% FROM STA. 315+96 TO 317+00 (SEE PAVEMENT ELEVATION TABLE)
- G REDUCE 6\"/>



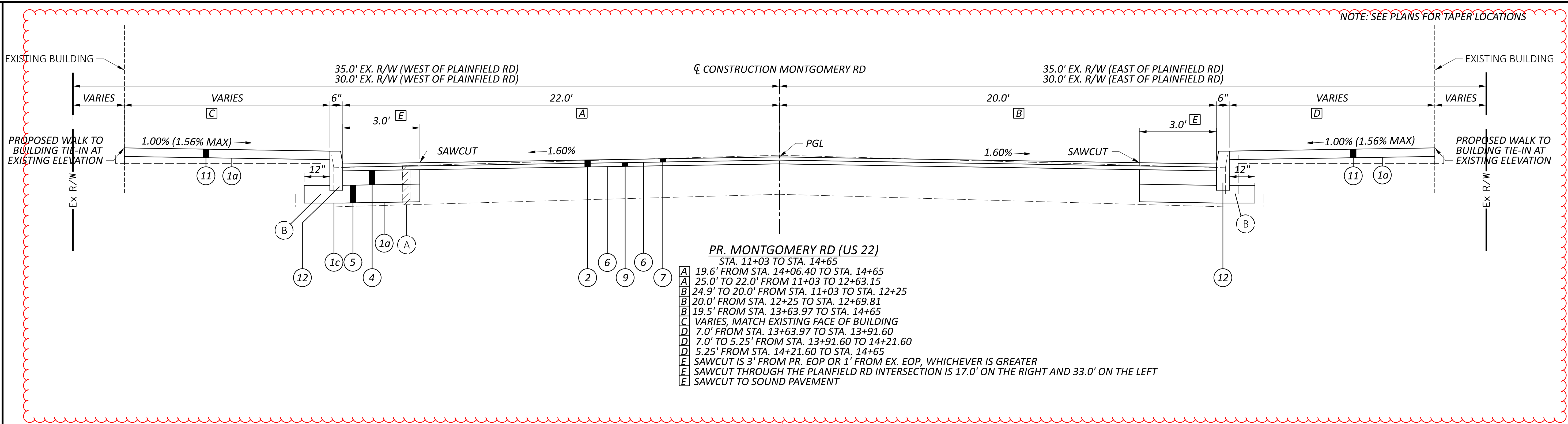
PR. PLAINFIELD RD - SOUTH OF MONTGOMERY RD (US 22)

- STA. 300+70 TO STA. 306+85.5
- A 16.0' FROM STA. 306+05 TO 306+91
- A 12.0' TO 16.0' FROM STA. 304+80 TO STA. 306+05
- B CURB AT BACK OF WALK (SEE DETAIL BELOW) STA. 305+40 TO STA. 308+68

SUPERELEVATION TABLE										
EDGE ELEVATION	LEFT SIDE				CENTERLINE CONTROL		RIGHT SIDE			REMARKS
	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	EDGE ELEVATION	
853.47	-0.21	-0.016	13.16	310+00	853.68	17.68	-0.016	0.29	853.39	N.C.
853.40	-0.10	-0.008	12.37	310+25	853.50	16.76	-0.016	0.26	853.24	
853.34	0.00	0.000	11.58	310+50	853.34	15.84	-0.016	0.26	853.08	1/2 LEVEL
853.26	0.09	0.008	10.79	310+75	853.17	14.92	-0.016	0.23	852.94	
853.17	0.16	0.016	10	311+00	853.01	14	-0.016	0.22	852.79	R.C.
853.01	0.16	0.016	10	311+25	852.85	14	-0.016	0.23	852.62	
852.84	0.16	0.016	10	311+50	852.68	14	-0.016	0.22	852.46	
852.68	0.16	0.016	10	311+75	852.52	14	-0.016	0.22	852.30	
852.52	0.16	0.016	10	312+00	852.36	14	-0.016	0.23	852.13	
852.36	0.16	0.016	10	312+25	852.20	14	-0.016	0.23	851.97	
852.25	0.16	0.016	10	312+50	852.09	14	-0.016	0.23	851.86	
852.30	0.16	0.016	10	312+75	852.14	14	-0.016	0.23	851.92	
852.46	0.16	0.016	10	313+00	852.30	14	-0.016	0.23	852.08	
852.63	0.16	0.016	10	313+25	852.47	14	-0.016	0.23	852.24	
852.79	0.16	0.016	10	313+50	852.63	14	-0.016	0.23	852.41	
852.96	0.16	0.016	10	313+75	852.80	14	-0.016	0.23	852.57	
853.13	0.16	0.016	10	314+00	852.97	14	-0.016	0.23	852.75	
853.29	0.16	0.016	10	314+25	853.13	14	-0.016	0.23	852.91	
853.46	0.16	0.016	10	314+50	853.30	14	-0.016	0.23	853.08	
853.63	0.16	0.016	10	314+75	853.47	14	-0.016	0.23	853.24	
853.79	0.16	0.016	10	315+00	853.63	14	-0.016	0.22	853.41	
853.98	0.18	0.016	11.06	315+25	853.80	14.42	-0.016	0.23	853.57	
854.17	0.20	0.016	12.44	315+50	853.97	14.98	-0.016	0.24	853.73	
854.35	0.22	0.016	13.83	315+75	854.13	15.53	-0.016	0.25	853.88	
854.52	0.22	0.015	15.06	316+00	854.30	16	-0.016	0.26	854.04	
854.58	0.18	0.012	15.45	316+25	854.40	-	-	-	-	
854.34	0.05	0.003	15.84	316+50	854.29	-	-	-	-	
853.90	-0.13	-0.008	16	316+75	854.03	16	-0.016	0.25	853.78	
853.52	-0.26	-0.016	16	317+00	853.78	16	-0.016	0.26	853.52	N.C.



- LEGEND**
- (1a) ITEM 204: SUBGRADE COMPACTION
 - (1b) ITEM 204: PROOF ROLLING
 - (1c) ITEM 204: GEOGRID
 - (1d) ITEM 204: 12\"/>
 - (2) ITEM 254: PAVEMENT PLANING, ASPHALT CONCRETE, 3.25\"/>
 - (3) ITEM 301: 5\"/>
 - (4) ITEM 301: 6\"/>
 - (5) ITEM 304: 5\"/>
 - (6) ITEM 407: NON-TRACKING TACK COAT (@0.05 GAL/SY)
 - (7) ITEM 441: 1.5\"/>
 - (8) ITEM 441: 2\"/>
 - (9) ITEM 441: 1.75\"/>
 - (10) ITEM 452: 8\"/>
 - (11) ITEM 608: 5\"/>
 - (12) ITEM 609: CURB, TYPE 6
 - (13) ITEM 609: CURB, TYPE 6, DROPPED
 - (14) ITEM 659: SEEDING AND MULCHING
 - (15) ITEM 605: 6\"/>
 - (A) ITEM 202: EXISTING PAVEMENT (10\"/>
 - (B) ITEM 202: EXISTING CURB TO BE REMOVED



- PR. MONTGOMERY RD (US 22)**
 STA. 11+03 TO STA. 14+65
- A 19.6' FROM STA. 14+06.40 TO STA. 14+65
 - A 25.0' TO 22.0' FROM 11+03 TO 12+63.15
 - B 24.9' TO 20.0' FROM STA. 11+03 TO STA. 12+25
 - B 20.0' FROM STA. 12+25 TO STA. 12+69.81
 - B 19.5' FROM STA. 13+63.97 TO STA. 14+65
 - C VARIES, MATCH EXISTING FACE OF BUILDING
 - D 7.0' FROM STA. 13+63.97 TO STA. 13+91.60
 - D 7.0' TO 5.25' FROM STA. 13+91.60 TO 14+21.60
 - D 5.25' FROM STA. 14+21.60 TO STA. 14+65
 - E SAWCUT IS 3' FROM PR. EOP OR 1' FROM EX. EOP, WHICHEVER IS GREATER
 - E SAWCUT THROUGH THE PLAINFIELD RD INTERSECTION IS 17.0' ON THE RIGHT AND 33.0' ON THE LEFT
 - E SAWCUT TO SOUND PAVEMENT

Typical updated to include planning section

LEGEND

- 1a ITEM 204: SUBGRADE COMPACTION
- 1b ITEM 204: PROOF ROLLING
- 1c ITEM 204: GEOGRID
- 1d ITEM 204: 12" EXCAVATION OF SUBGRADE, 12" GRANULAR MATERIAL, TYPE B
- 2 ITEM 254: PAVEMENT PLANING, ASPHALT CONCRETE, 3.25" THICK
- 3 ITEM 301: 5" ASPHALT CONCRETE BASE, PG64-22, (449), (DRIVEWAYS)
- 4 ITEM 301: 6" ASPHALT CONCRETE BASE, PG64-22, (449)
- 5 ITEM 304: 5" AGGREGATE BASE
- 6 ITEM 407: NON-TRACKING TACK COAT (@0.05 GAL/SY)
- 7 ITEM 441: 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, (448)
- 8 ITEM 441: 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)
- 9 ITEM 441: 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- 10 ITEM 452: 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- 11 ITEM 608: 5" CONCRETE WALK
- 12 ITEM 609: CURB, TYPE 6
- 13 ITEM 609: CURB, TYPE 6, DROPPED
- 14 ITEM 659: SEEDING AND MULCHING
- 15 ITEM 605: 6" SHALLOW PIPE UNDERDRAIN WITH GEOTEXTILE FABRIC
- A ITEM 202: EXISTING PAVEMENT (10"-12") TO BE REMOVED
- B ITEM 202: EXISTING CURB TO BE REMOVED

ITEM 614 - MAINTAINING TRAFFIC

THE CONTRACTOR SHALL MAINTAIN THE DESIRED TRAFFIC CONFIGURATION FOR EACH LOCATION LISTED BELOW THROUGHOUT THE ENTIRETY OF THE PROJECT. IT IS THE INTENTION TO PERFORM THE REQUIRED WORK WITH THE LEAST INCONVENIENCE TO, AND THE MAXIMUM SAFETY OF, THE CONTRACTOR AND TRAVELING PUBLIC. ANY VARIANCES FROM THE INTENT OF THESE MAINTENANCE OF TRAFFIC NOTES MUST BE APPROVED IN ADVANCE IN WRITING BY THE ENGINEER.

THE PROPOSED MAINTENANCE OF TRAFFIC WILL CONSIST OF THREE MAJOR PHASES:

PHASE 1. FOR PLAINFIELD RD. CONSTRUCTION BETWEEN ST. JAMES AVE. AND MONTGOMERY RD., MAINTAIN FULL CLOSURE EXCEPT FOR LOCAL TRAFFIC FOR THE DURATION OF THE PROJECT. A MINIMUM OF 1 LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 45 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 12. THE SOUTHERN HALF OF MONTGOMERY RD. IS ALSO TO BE INCLUDED IN PHASE 1. THIS PHASE CAN BE CONCURRENT WITH PHASE 3 BUT NOT WITH PHASE 2.

PHASE 2. FOR PLAINFIELD RD. BETWEEN MONTGOMERY RD. AND SOUTH AVE., MAINTAIN FULL CLOSURE EXCEPT FOR LOCAL TRAFFIC FOR THE DURATION OF THE PROJECT. A MINIMUM OF 1 LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 45 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 13. THE NORTHERN HALF OF MONTGOMERY RD. IS ALSO TO BE INCLUDED IN WORK PHASE 2. THIS PHASE CANNOT BE CONCURRENT WITH PHASE 1 OR PHASE 3.

PHASE 3. FOR PLAINFIELD RD. BETWEEN SOUTH AVE. AND DEER PARK AVE. AND BLUE ASH RD. BETWEEN PLAINFIELD RD. AND SIBLEY AVE., MAINTAIN FULL CLOSURE EXCEPT FOR LOCAL TRAFFIC FOR THE DURATION OF THE PROJECT. A MINIMUM OF 1 LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 45 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 14. EXISTING TRAFFIC SIGNAL VISIBILITY SHALL BE MAINTAINED AT THE INTERSECTION OF PLAINFIELD RD. & NORTH AVE. AT ALL TIMES AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SHIFTING OF ANY EXISTING SIGNAL FACES TO MAINTAIN THE INTERSECTION. THIS PHASE CAN BE CONCURRENT WITH PHASE 1 BUT NOT PHASE 2.

ALL WORK FOR EACH PHASE MUST BE PERFORMED WITHIN THE 45 DAY CLOSURE WITH THE EXCEPTION OF RESURFACING, FINAL PAVEMENT SURFACE COURSE AND STRIPING. THE NEW SIGNAL AT PLAINFIELD RD/MONTGOMERY RD CAN BE SWITCHED DURING PHASE 2. THE NEW SIGNAL AT PLAINFIELD RD/BLUE ASH RD CAN BE SWITCHED DURING PHASE 3. SEE THE FOLLOWING SHEET REGARDING RAILROAD COORDINATION AT PLAINFIELD RD/BLUE ASH RD. THE CONTRACTOR MUST COORDINATE THE SIGNAL SWITCH OVER WITH IORY A MINIMUM OF 7 BUSINESS DAYS PRIOR TO THE START OF THE WORK.

FOR WORK PERFORMED ON MONTGOMERY RD., UTILIZE PART-WIDTH CONSTRUCTION AND MAINTAIN LANES PER THE PLANS AT ALL TIMES. THE SOUTHERN HALF OF MONTGOMERY RD. CAN BE CONSTRUCTED ALONG WITH PHASE 1 WHILE THE NORTHERN HALF OF MONTGOMERY RD. CAN BE CONSTRUCTED WITH PHASE 2. FOLLOW ODOT SCD MT-95.31 FOR TAPERS.

FOR ALL PHASES, ALL LANES AND WALK ALONG PLAINFIELD ROAD AND MONTGOMERY ROAD SHALL BE FULLY OPEN AND ACCESSIBLE FOR TASTE OF SILVERTON WHICH OCCURS ANNUALLY ON THE THIRD SATURDAY OF JUNE.

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR SPECIAL EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY - 6:00 AM MONDAY
MONDAY	12:00N FRIDAY - 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY - 6:00 WEDNESDAY
TUESDAY (GEN./REG. ELECTION)	5:00 AM TUESDAY - 12:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY - 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY - 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00 AM WEDNESDAY - 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY - 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY - 6:00 AM MONDAY

ITEM 614 - MAINTAINING TRAFFIC (CONTINUED)

DURING THE SAME PERIODS, MAINTAIN PEDESTRIAN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE.

NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	≤ 12 HOURS	2 CALENDAR DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THE PHONE NUMBER LISTED WILL BE 513-936-6235.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ANY SIGNAGE, PAVEMENT MARKING AND SIGNALIZATION MUST PRESENT A CLEAR MESSAGE TO THE DRIVER. ANY CONFLICTING TRAFFIC CONTROL ITEMS MUST BE REMOVED OR MODIFIED. TRAFFIC SIGNALS MUST BE MAINTAINED DURING CONSTRUCTION. SIGNAL HEAD PLACEMENT SHOULD BE ADJUSTED DURING THE CONSTRUCTION PHASES TO PROVIDE A CLEAR MESSAGE TO THE DRIVER. VEHICLE DETECTION MUST ALSO BE ADJUSTED FOR EACH SIGNALIZED INTERSECTION DURING THE CONSTRUCTION PHASES.

DRIVEWAY ACCESS SHOULD BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. WHEN FULL OR PARTIAL CLOSURES ARE NECESSARY, THE CONTRACTOR SHALL COORDINATE WITH THE VILLAGE AND PROPERTY OWNER TO LIMIT ANY INCONVENIENCES. WHERE NECESSARY, PART WIDTH CONSTRUCTION MAY BE USED. AN ESTIMATED QUANTITY OF 150 CY OF ITEM 410 TRAFFIC COMPACTED SURFACE, TYPE A HAS BEEN ADDED TO THE MOT SUB-SUMMARY.

Item 615 removed from note

Note updated to include resurfacing in final work and details about the Montgomery Rd lanes. Note regarding temporary pavement has also been removed.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE VILLAGE MANAGER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE VILLAGE MANAGER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	≤ 12 HOURS	2 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE VILLAGE MANAGER AND ENGINEER USING THE NOTIFICATION TIME TABLE.

108.06 C EXTENSION TO THE COMPLETION DATE FOR WEATHER OR SEASONAL CONDITIONS.

A WEATHER DAY FOR CRITICAL WORK IS DEFINED AS A WORKDAY THAT WEATHER REDUCED PRODUCTION BY MORE THAN 50 PERCENT ON ITEMS OF WORK ON THE CRITICAL PATH FOR CRITICAL WORK. SUBMIT A REQUESTED FOR AN EXTENSION OF TIME FOR A LOST WORKDAY DUE TO WEATHER WITH 2 DAYS OF OCCURRENCE. THE ENGINEER WILL EXTEND THE CALENDAR DAYS TO COMPLETE BY CALENDAR DAYS. THE ENGINEER WILL CONVERT WORK DAYS TO CALENDAR DAYS FOR EACH LOST WORKDAY DUE TO WEATHER BY MULTIPLYING THE NUMBER OF LOST WORKDAYS BY 1.4 FOR A 5-DAY WORK WEEK OR LESS; 1.2 FOR A 6-DAY WORK WEEK; AND 1 FOR A 7-DAY WORK WEEK; AND EXTEND THE CALENDAR DAYS TO COMPLETE BY THE RESULTING NUMBER OF CALENDAR DAYS PLUS ANY HOLIDAYS THE CONTRACTOR DOES NOT NORMALLY WORK THAT OCCUR IN THE EXTENSION PERIOD. WHEN THE CONVERSION OF WORKDAYS TO CALENDAR DAYS RESULTS IN A DECIMAL OF 0.5 OR GREATER, THE ENGINEER WILL ROUND THE NUMBER OF CALENDAR DAYS TO THE NEXT HIGHEST WHOLE NUMBER. WHEN THE CONVERSION RESULTS IN A DECIMAL LESS THAN 0.5, THE ENGINEER WILL DELETE THE DECIMAL PORTION OF THE CALENDAR DAYS.

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETE	DISINCENTIVE \$ PER DAY	WORK WINDOW	
			START	END
PHASE 1	45	\$1,000	3/1/27	5/21/27
PHASE 2	45	\$1,000	6/28/27	9/15/27
PHASE 3	45	\$1,000	3/1/27*	9/15/27*

*WORK WINDOW MUST EXCLUDE 5/21/27-6/28/27 PHASE 3 CANNOT OCCUR CONCURRENTLY WITH PHASE 2.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 4.0 M. GAL.

INDIANA & OHIO RAILWAY COORDINATION

CONTRACTOR TO NOTIFY G&W PUBLIC PROJECTS DEPARTMENT 30 DAYS PRIOR TO STARTING CONSTRUCTION.

G&W FLAGGING SERVICES WILL BE REQUIRED FOR ALL WORK WITHIN G&W RIGHT-OF-WAY OR ANY WORK THAT HAS A "POTENTIAL TO FOUL".

THE CONTRACTOR MUST NOT USE THE RAILROAD RIGHT-OF-WAY FOR STORAGE OF MATERIALS OR EQUIPMENT DURING CONSTRUCTION. THE RAILROAD'S RIGHT-OF-WAY MUST REMAIN CLEAR AT ALL TIMES. THE CONTRACTOR MUST PLAN AND PERFORM THE WORK IN A MANNER SUCH THAT THE RAILROAD TRACKS AT THE PROJECT LOCATION REMAIN FULLY CAPABLE OF OPERATING RAIL TRAFFIC THROUGHOUT THE WORK PERIOD AND RAIL TRAFFIC IS NOT DELAYED OR OTHERWISE IMPACTED DUE TO THE WORK BEING PERFORMED.

ALL WORK PERFORMED ON, ABOVE, OR ADJACENT TO RAILROAD PROPERTY SHALL BE IN ACCORDANCE WITH THE PUBLIC PROJECT MANUAL, CURRENT EDITION. WORK PLANS SHALL BE SUBMITTED FOR REVIEW TO THE RAILROAD FOR TASKS RELATED TO SITE ACCESS, SOIL AND WATER MANAGEMENT, BALLAST PROTECTION, DEMOLITION, CONTAINMENT, CONCRETE FORMWORK, AND ALL OTHER WORK THAT POTENTIALLY AFFECTS RAILROAD PROPERTY OR OPERATIONS. ALL WORK PLANS SHALL BE PREPARED AND SUBMITTED TO THE RAILROAD IN ADHERENCE WITH THE PUBLIC PROJECT MANUAL, SECTION 1.11 CONSTRUCTION SUBMISSION CRITERIA.

THE CONTRACTOR WILL BE REQUIRED TO REACH OUT TO G&W REAL ESTATE FOR AN ROE APPLICATION AND AGREEMENT FOR WORK TO TAKE PLACE ON THE G&W ROW. HERE IS THE WEBSITE FOR ROE INFORMATION:

HTTPS://WWW.GWRR.COM/REAL_ESTATE/ACCESSING_PROPERTY

RAILROAD PROJECT COORDINATION

THE CONTRACTOR SHALL PERFORM ONGOING COORDINATION DURING CONSTRUCTION ACTIVITIES WITH THE RAILROAD THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL PROVIDE A CURRENT SCHEDULE ON A MONTHLY BASIS INCLUDING ANTICIPATED DATES OF THE FOLLOWING ITEMS:

1. CONSTRUCTION SUBMITTALS REQUIRING RAILROAD REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION (PER THE RAIL AGREEMENT(S))
2. CONSTRUCTION START AND END DATES FOR WORK THAT MAY CREATE AN IMPACT TO THE RAIL FACILITY/OPERATIONS.
3. ANTICIPATED DATES AND DURATIONS FOR FLAGGERS.
4. ANY OTHER MILESTONES THAT MAY IMPACT RAIL FACILITIES OR OPERATIONS.

MEANS AND METHODS: THE CONTRACTOR SHALL DEVELOP A DETAILED SUBMISSION INDICATING THE PROGRESSION OF WORK WITH SPECIFIC TIMES WHEN TASKS WILL BE PERFORMED FOR WORK ACTIVITIES THAT ARE ON OR IN THE VICINITY OF THE RAILROAD PROPERTY.

THIS SUBMISSION MAY REQUIRE A WALKTHROUGH AT WHICH TIME THE RAILROAD AND/OR THEIR REPRESENTATIVE WILL BE PRESENT. WORK WILL NOT BE PERMITTED TO COMMENCE UNTIL THE CONTRACTOR HAS PROVIDED THE RAILROADS WITH A SATISFACTORY PLAN THAT THE PROJECT WILL BE UNDERTAKEN WITHOUT SCHEDULING, PERFORMANCE, OR SAFETY RELATED ISSUES. PROVIDE A LIST OF THE ANTICIPATED EQUIPMENT TO BE USED, THE LOCATION OF ALL EQUIPMENT TO BE USED, AND ENSURE A CONTINGENCY PLAN OF ACTION IS IN PLACE SHOULD A PRIMARY PIECE OF EQUIPMENT MALFUNCTION. ALL WORK IN THE VICINITY OF THE RAILROAD PROPERTY THAT HAS THE POTENTIAL OF AFFECTING TRAIN OPERATIONS MUST BE SUBMITTED AND APPROVED BY THE RAILROAD PRIOR TO WORK BEING PERFORMED. THIS SUBMISSION WILL ALSO INCLUDE A DETAILED NARRATIVE DISCUSSING THE COORDINATION OF PROJECT SAFETY ISSUES BETWEEN THE CONTRACTOR AND THE RAILROAD AND/OR THEIR REPRESENTATIVE. THE NARRATIVE SHALL ADDRESS PROJECT LEVEL COORDINATION AND DAY-TO-DAY, SPECIFIC WORK OPERATIONS INCLUDING CRANE AND EQUIPMENT OPERATIONS, ERECTION PLANS, AND TEMPORARY WORKS.

UP TO SIXTY (60) CALENDAR DAYS WILL BE REQUIRED TO REVIEW ALL CONSTRUCTION SUBMISSIONS. UP TO AN ADDITIONAL SIXTY (60) CALENDAR DAYS WILL BE REQUIRED TO REVIEW ANY SUBSEQUENT SUBMISSIONS RETURNED NOT APPROVED.

CONSTRUCTION SCHEDULE: SUBMIT A DETAILED CONSTRUCTION SCHEDULE FOR THE DURATION OF THE PROJECT CLEARLY INDICATING THE TIME PERIODS WHILE WORKING ON AND AROUND THE RAILROAD'S RIGHT-OF-WAY. AS THE WORK PROGRESSES, THIS SCHEDULE SHALL BE UPDATED MONTHLY AND RESUBMITTED AS NECESSARY TO REFLECT CHANGES IN WORK SEQUENCE, DURATION, AND METOND, ETC.

ITEM SPECIAL – IORY RAILROAD TRAINING:

ALL PERSONNEL ENTERING IORY PROPERTY SHALL COMPLETE THE 2 HOUR ROADWAY WORKER PROTECTION FOR "GENESEE & WYOMING" COURSE. THE TRAINING CAN BE ACCESSED AT: HTTPS://RAILPROS.COM/TRAINING/.

THIS COURSE WILL FAMILIARIZE THE PARTICIPANTS WITH THE OPERATING AND SAFETY RULES OF G&W AND FRA REGULATIONS WITH WHICH THEY ARE REQUIRED TO COMPLY. ONCE PARTICIPANTS COMPLETE THE TRAINING THE COMPLETION RECORD WILL BE RECORDED TO ISNETWORLD, WHO MANAGES THE TRAINING COMPLIANCE REQUIREMENTS FOR G&W.

PAYMENT FOR THE COURSE AND TIME SHALL BE INCLUDED WITH ITEM

ITEM SPECIAL (900E17000) LUMP SUM – IORY RAILROAD TRAINING.

ITEM SPECIAL – IORY RIGHT-OF-ENTRY PERMIT

THIS ITEM INCLUDES ALL WORK REQUIRED TO OBTAIN A RIGHT-OF-ENTRY (ROE) PERMIT TO PERFORM ALL NECESSARY WORK WITHIN THE LIMITS OF THE RAILROAD. THE PERMIT AND INFORMATION RELATED TO THE PERMIT CAN BE FOUND AT: https://www.gwrr.com/services/real-estate/accessing-property

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH IORY TO OBTAIN THE NECESSARY PERMIT. CONTACT INFORMATION FOR IORY:

JARED RISHEL
 AVP ENGINEERING NATIONAL REGION
 (814) 249-3040
 JRISHEL@GWRR.COM

WORK INCLUDED IN THE PERMIT MUST SPECIFY THE FULL DEPTH RECONSTRUCTION SURROUNDING THE RAILROAD AS SHOWN IN THE PLANS, A FULL SIGNAL REBUILD AT PLAINFIELD RD/BLUE ASH RD, DRAINAGE IMPROVEMENTS, UTILITY ADJUSTMENTS, STRIPING AND SIGNING. THE SIGNAL REBUILD INCLUDES THE BORING OF CONDUIT UNDER THE RAILROAD.

THE CONTRACTOR MUST SUBMIT THE APPLICATION FOR THE ROE PERMIT A MINIMUM OF 120 CALENDAR DAYS PRIOR TO THE START OF WORK.

ALL FEES ASSOCIATED WITH THE PERMIT ARE THE RESPONSIBILITY OF THE CONTRACTOR. ANTICIPATED FEES FOR THIS PERMIT IS \$1,750.00.

ONCE THE ROE IS APPROVED, THE CONTRACTOR SHALL COORDINATE WITH IORY TO DETERMINE WHEN THE TRAFFIC SIGNAL WILL SWITCH OPERATION FROM THE OLD TRAFFIC SIGNAL TO THE NEWLY BUILT TRAFFIC SIGNAL. OUTAGES SHALL BE NO MORE THAN 1 HOUR. PROPER TRAFFIC CONTROL SHALL IN PLACE PRIOR AND DURING TO THE OUTAGE. THE CONTRACTOR SHALL NOTIFY IORY A MINIMUM OF 7 BUSINESS DAYS PRIOR TO THE SIGNAL WORK TAKING PLACE. IORY WILL PROVIDE AN INSPECTOR. THE CONTRACTOR MUST COORDINATE WITH IORY TO DETERMINE THE WORK WINDOW THAT LEAST IMPACTS RAILROAD USE. IT IS RECOMMENDED THAT THE SIGNAL BE SWITCHED OVER BETWEEN FRIDAY AT 9PM TO MONDAY AT 5AM. THE SIGNAL MUST BE FULLY TESTED AND OPERATIONAL BY MONDAY AT 5AM.

THE FOLLOWING ITEM HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM SPECIAL - IORY RIGHT-OF-ENTRY PERMIT 1 EACH

ITEM SPECIAL – SORTA RIGHT-OF-ENTRY PERMIT

THIS ITEM INCLUDES ALL WORK REQUIRED TO OBTAIN A RIGHT-OF-ENTRY (ROE) PERMIT FROM SORTA TO PERFORM ALL NECESSARY WORK WITHIN THE LIMITS OF THE RAILROAD.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH SORTA TO OBTAIN THE NECESSARY PERMIT. CONTACT INFORMATION FOR SORTA

JASON ROE
 DIRECTOR OF PROCUREMENT
 (513) 632-7666
 JROE@GO-METRO.COM

WORK INCLUDED IN THE PERMIT MUST SPECIFY THE FULL DEPTH RECONSTRUCTION SURROUNDING THE RAILROAD AS SHOWN IN THE PLANS, A FULL SIGNAL REBUILD AT PLAINFIELD RD/BLUE ASH RD, DRAINAGE IMPROVEMENTS, UTILITY ADJUSTMENTS, STRIPING AND SIGNING. THE SIGNAL REBUILD INCLUDES THE BORING OF CONDUIT UNDER THE RAILROAD.

THE CONTRACTOR MUST SUBMIT THE APPLICATION FOR THE ROE PERMIT A MINIMUM OF 120 CALENDAR DAYS PRIOR TO THE START OF WORK.

ALL FEES ASSOCIATED WITH THE PERMIT ARE THE RESPONSIBILITY OF THE CONTRACTOR. ANTICIPATED FEES FOR THIS PERMIT IS \$500.00.

THE FOLLOWING ITEM HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM SPECIAL - SORTA RIGHT-OF-ENTRY PERMIT 1 EACH

ITEM SPECIAL – DESIGN PLANS

THIS ITEM INCLUDES ALL WORK REQUIRED TO OBTAIN ADDITIONAL PLAN DESIGN AS NEEDED FOR THE SUBMISSION OF THE IORY AND SORTA RIGHT-OF-ENTRY PERMITS

THE CONTRACTOR WILL SELECT A QUALIFIED SUB-CONSULTANT TO PROVIDE ADDITIONAL PLAN SHEETS, AS REQUESTED BY SORTA AND IORY.

THIS ITEM MAY BE NON-PERFORMED IF IT DETERMINED THAT THE ROADWAY PLAN SET PROVIDES SUFFICIENT INFORMATION FOR THE WORK BEING PERFORMED NEAR THE RAILROAD.

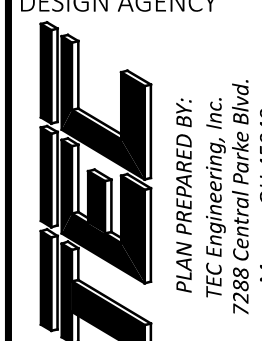
THE FOLLOWING ITEM HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM SPECIAL - DESIGN PLANS LUMP SUM

Table Updated.
 615 Items removed. 614 Markings updated.
 Quantity

MAINTENANCE OF TRAFFIC - SUBSUMMARY

ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	SEE SHEET
100	00300	LS		PREMIUM ON RAILROADS' PROTECTIVE PUBLIC LIABILITY AND PROPERTY DAMAGE LIABILITY INSURANCE	
410	10000	150	CY	TRAFFIC COMPACTED SURFACE, TYPE A	
614	12420	LS		DETOUR SIGNING	
616	10000	4	MGAL	WATER	11
SPECIAL	90017000	LS		IORY RAILROAD TRAINING	12
614	20000	0.22	MILE	WORK ZONE LANE LINE, CLASS I, 4"	
614	20550	0.11	MILE	WORK ZONE LANE LINE, CLASS III, 4", 642 PAINT	
614	21000	0.22	MILE	WORK ZONE CENTER LINE, CLASS I	
614	21550	0.11	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
614	22100	0.54	MILE	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT	
614	22350	0.27	MILE	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT	
614	24000	480	FT	WORK ZONE DOTTED LINE, CLASS I	
614	24610	240	FT	WORK ZONE DOTTED LINE, CLASS III, 4", 642 PAINT	
614	26000	120	FT	WORK ZONE STOP LINE, CLASS I	
614	26610	60	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
614	27010	320	FT	WORK ZONE CROSSWALK LINE, CLASS I, 12"	
614	27250	160	FT	WORK ZONE CROSSWALK LINE, CLASS III, 12", 642 PAINT	
614	30000	32	EACH	WORK ZONE ARROW, CLASS I	
614	30650	16	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	

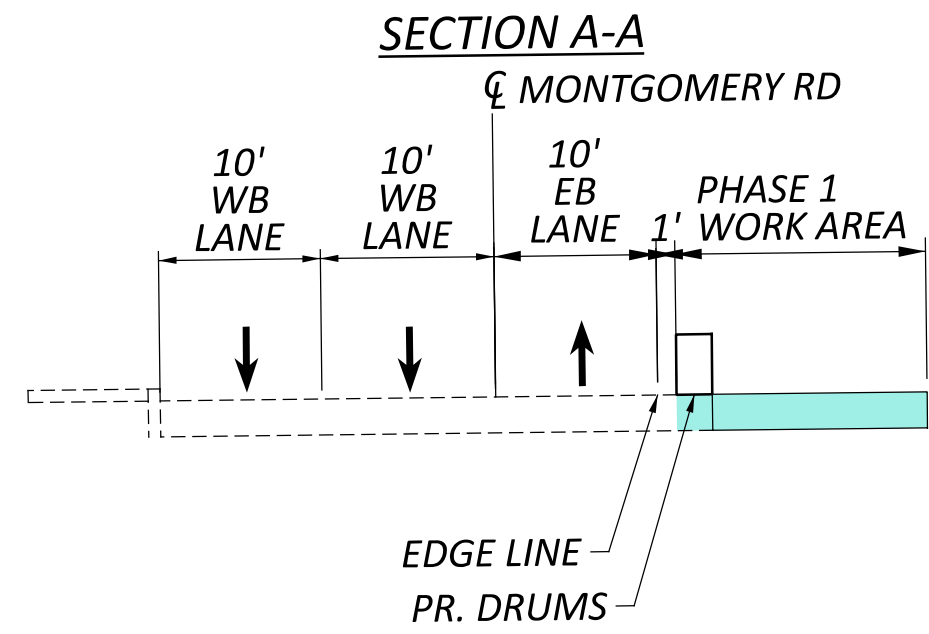
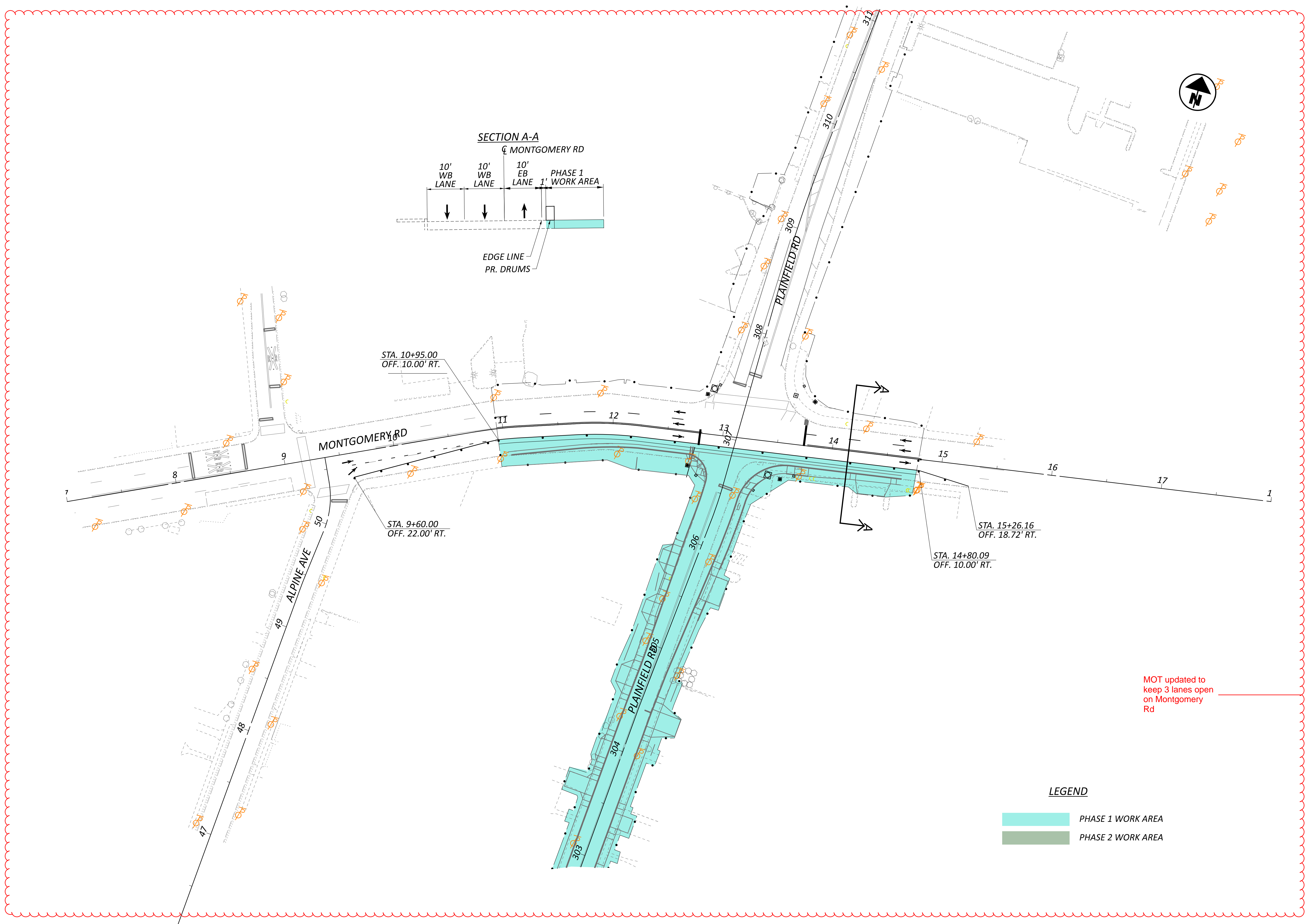
DESIGN AGENCY

 PLAN PREPARED BY:
 TEC Engineering, Inc.
 7288 Central Park Blvd.
 Mason, OH 45040

DESIGNER
 KLL

REVIEWER
 ALH 04/29/26

PROJECT ID
 116550

SHEET TOTAL
 012 | 166



STA. 10+95.00
 OFF. 10.00' RT.

STA. 9+60.00
 OFF. 22.00' RT.

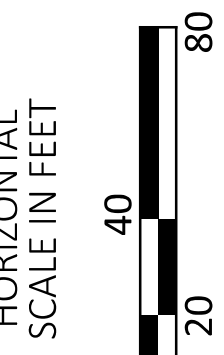
STA. 14+80.09
 OFF. 10.00' RT.

STA. 15+26.16
 OFF. 18.72' RT.

MOT updated to
 keep 3 lanes open
 on Montgomery
 Rd

LEGEND

- PHASE 1 WORK AREA
- PHASE 2 WORK AREA



**MAINTENANCE OF TRAFFIC
 MONTGOMERY RD - PHASE 1**

DESIGN AGENCY

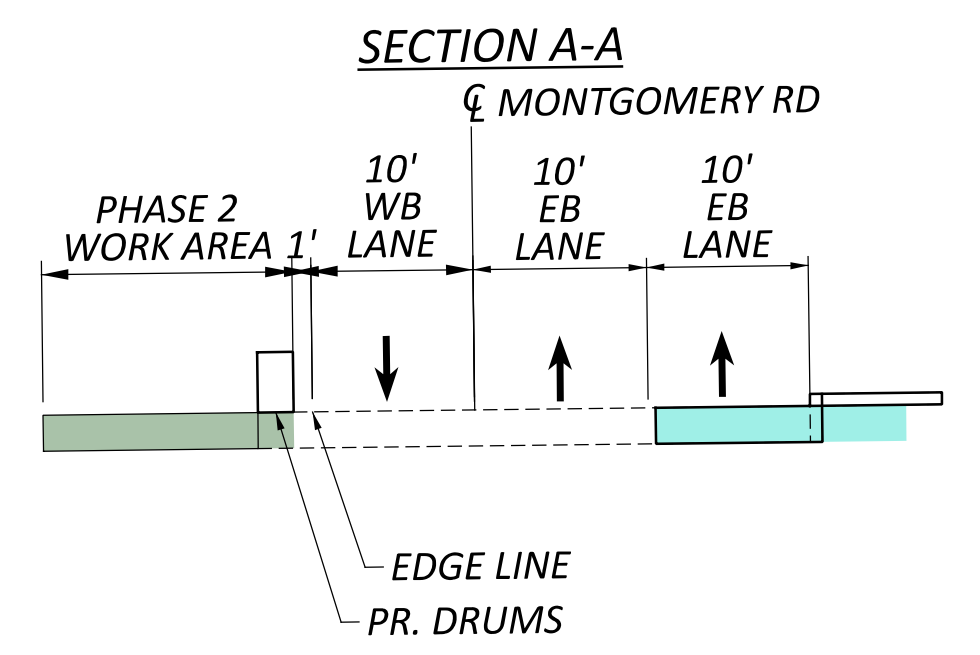
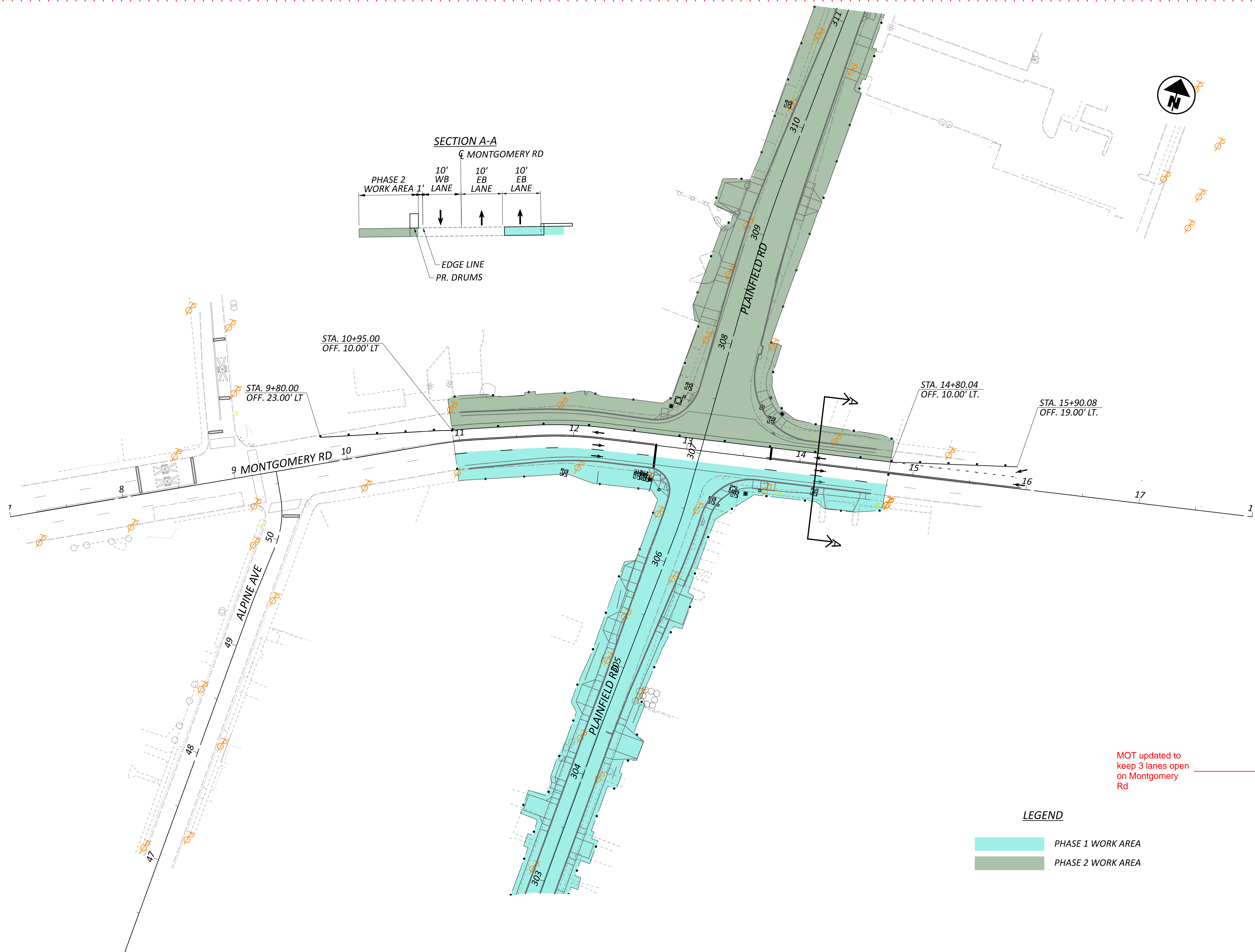


DESIGNER
 KLL

REVIEWER
 ALH 04/29/26

PROJECT ID
 116550

SHEET TOTAL
 013A 166



STA. 9+80.00
 OFF. 23.00' LT

STA. 10+95.00
 OFF. 10.00' LT

STA. 14+80.04
 OFF. 10.00' LT.

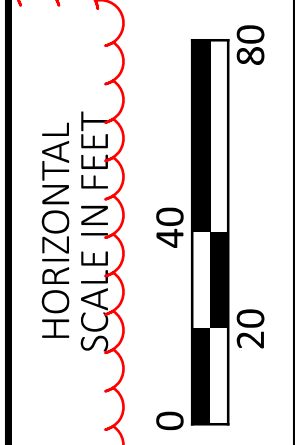
STA. 15+90.08
 OFF. 19.00' LT.

LEGEND

PHASE 1 WORK AREA

PHASE 2 WORK AREA

MOT updated to keep 3 lanes open on Montgomery Rd



MAINTENANCE OF TRAFFIC - PHASE 2
MONTGOMERY RD - PHASE 2

DESIGN AGENCY	
TEC	
PLAN PREPARED BY: TEC Engineering, Inc. 7288 Central Parke Blvd. Mason, OH 45040	
DESIGNER	KLL
REVIEWER	ALH
PROJECT ID	116550
SHEET	TOTAL
014A	166

SHEET NUM.									PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
8	9	20	21	22	23	24	25	1/STGB	2/NFP							
								LS		201	11000	LS		ROADWAY		Quantity updated
																10
		10,788					2,233	13,021		202	23000	13,021	SY	PAVEMENT REMOVED		
		40,371						40,371		202	30000	40,371	SF	WALK REMOVED		
		2						2		202	30200	2	FT	STEPS REMOVED		
		5,663						5,663		202	32000	5,663	FT	CURB REMOVED		
	50		1,510					1,560		202	35100	1,560	FT	PIPE REMOVED, 24" DIAMETER AND UNDER		
				31				31		SPECIAL	20252990	31	EACH	PARKING BLOCK REMOVED		
				11				11		202	58000	11	EACH	MANHOLE REMOVED		
				16				16		202	58100	16	EACH	CATCH BASIN REMOVED		
				1				1		202	58700	1	EACH	MANHOLE ABANDONED		
	1							1		202	66500	1	EACH	UNDERGROUND STORAGE TANK REMOVED		
	50							50		SPECIAL	20270110	50	FT	PIPE CLEANOUT, 24" AND UNDER		9
		101						101		202	75000	101	FT	FENCE REMOVED		
								1,750		203	10000	1,750	CY	EXCAVATION		
								550		203	20000	550	CY	EMBANKMENT		
300								300		203	98300	300	FT	ROADWAY, MISC.: ALTA FIBER DUCT BANK ENCASMENT		8
		1						1		203	98600	1	EACH	ROADWAY, MISC.: REMOVE BRICK SILVERTON SIGN		8
			1					1		203	98600	1	EACH	ROADWAY, MISC.: RELOCATE EV CHARGING STATIONS		8
								2		203	98600	2	EACH	ROADWAY, MISC.: REMOVE AND RESET EX. STREET FURNITURE		8
		2						2		203	98600	2	EACH	ROADWAY, MISC.: REMOVE EX. BENCH		8
								11,093		204	10000	14,180	SY	SUBGRADE COMPACTION		
								3,155	3,087	204	13000	3,155	CY	EXCAVATION OF SUBGRADE		
								3,155		204	30010	3,155	CY	GRANULAR MATERIAL, TYPE B		
								6		204	45000	6	HOUR	PROOF ROLLING		8
							10,378	10,378		204	51000	10,378	SY	GEOGRID		
		39,500						39,500		608	12000	39,500	SF	5" CONCRETE WALK		
		2						2		608	40000	2	FT	CONCRETE STEPS, TYPE A		Quantity changed
		2,691						2,691		608	52000	2,691	SF	CURB RAMP		
				28				28		SPECIAL	69050500	28	EACH	CONCRETE PARKING BLOCK		
	15							15		SPECIAL	69065016	15	TON	WORK INVOLVING PETROLEUM CONTAMINATED SOIL		9
								LS		878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS		
														EROSION CONTROL		
12								12		659	00300	12	CY	TOPSOIL		8
111								111		659	10000	111	SY	SEEDING AND MULCHING		8
6								6		659	14000	6	SY	REPAIR SEEDING AND MULCHING		8
0.01								0.01		659	20000	0.01	TON	COMMERCIAL FERTILIZER		8
0.02								0.02		659	31000	0.02	ACRE	LIME		8
0.6								0.6		659	35000	0.6	MGAL	WATER		8
0.3								0.3		659	40000	0.3	MSF	MOWING		8
								32,000		832	30000	32,000	EACH	EROSION CONTROL		
														DRAINAGE		
					3,284			3,284		605	11110	3,284	FT	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC		
					360			360		611	00510	360	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS		
				705	455			1,160		611	04400	1,160	FT	12" CONDUIT, TYPE B, 706.02		
				53				53		611	04600	53	FT	12" CONDUIT, TYPE C, 707.45		
				246	110			356		611	05900	356	FT	15" CONDUIT, TYPE B, 706.02		
				48				48		611	06100	48	FT	15" CONDUIT, TYPE C, 707.45		
								47		611	07600	47	FT	18" CONDUIT, TYPE C, 707.45		
				10				10		611	08900	10	FT	21" CONDUIT, TYPE B, 706.02		
				109				109		611	09100	109	FT	21" CONDUIT, TYPE C, 707.45		
								354		611	10400	354	FT	24" CONDUIT, TYPE B, 706.02		
	50			251	53			136		611	10600	136	FT	24" CONDUIT, TYPE C, 707.45		
								46		611	52302	46	FT	19" X 30" CONDUIT, TYPE B, 706.04		

GENERAL SUMMARY

DESIGN AGENCY

 PLAN PREPARED BY:
 TEL Engineering, Inc.
 7288 Central Park Blvd.
 Mason, OH 45040
 DESIGNER
 KLL
 REVIEWER
 ALH 04/29/26
 PROJECT ID
 116550
 SHEET TOTAL
 016 | 166

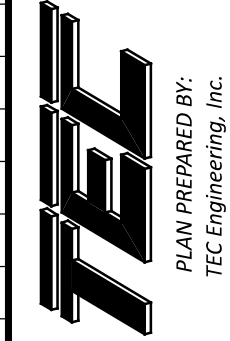
SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
10	20	21	26	27	28	29	115	119	162	1/STGB	2/NFP						
									33	33		638	98600	33	FT	WATER WORK, MISC.: FURNISHING AND INSTALLING 1" COPPER SERVICE PIPE W/ AQUA SHIELD, CINCINNATI SPEC 1126	162
									15	15		638	98600	15	FT	WATER WORK, MISC.: FURNISHING AND INSTALLING 2" COPPER SERVICE PIPE W/ AQUA SHIELD, CINCINNATI SPEC 1126	162
									205	171	34	638	98600	205	FT	WATER WORK, MISC.: FURNISHING AND INSTALLING 3/4" COPPER SERVICE PIPE W/ AQUA SHIELD, CINCINNATI SPEC 1126	162
									285	30	255	638	98600	285	FT	WATER WORK, MISC.: FURNISHING AND LAYING 16" DUCTILE IRON PIPE AND FITTINGS, CINCINNATI SPEC 1101	162
									36	15	21	638	98600	36	FT	WATER WORK, MISC.: FURNISHING AND LAYING 6" DUCTILE IRON PIPE AND FITTINGS, CINCINNATI SPEC 1101	162
									27		27	638	98600	27	FT	WATER WORK, MISC.: FURNISHING AND LAYING 8" DUCTILE IRON PIPE AND FITTINGS, CINCINNATI SPEC 1101	162
									LS		LS	SPECIAL	63899000	LS		WATER WORKS - HAULING WATER WORKS MATERIAL, 1 TON, CINCINNATI SPEC 1102	162
																LIGHTING	
3,175										3,175		625	25411	3,175	FT	CONDUIT, 2", 725.052, AS PER PLAN	10
LS										LS		625	98200	LS		LIGHTING, MISC.: MAINTAIN EXISTING LIGHTING	10
																OTHER UTILITIES	
	44									44		SPECIAL	61199700	44	EACH	GAS VALVE BOX ADJUSTED TO GRADE	9
	12									12		611	99900	12	EACH	DRAINAGE STRUCTURE, MISC.: GAS METER, ADJUSTED TO GRADE	9
	9									9		638	10400	9	EACH	FIRE HYDRANT ADJUSTED TO GRADE	
	101									101		638	10800	101	EACH	VALVE BOX ADJUSTED TO GRADE	
	7									7		638	10900	7	EACH	SERVICE BOX ADJUSTED TO GRADE	
	5									5		638	98000	5	EACH	WATER WORK, MISC.: WATER MANHOLE, ADJUSTED TO GRADE	9
																TRAFFIC CONTROL	
			105	57						162		630	03100	162	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
			48	14						62		630	08520	62	FT	STREET NAME SIGN SUPPORT, NO. 3 POST	
			3	1						4		630	08600	4	EACH	SIGN POST REFLECTOR	
			1							1		630	72521	1	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 7, AS PER PLAN	110
			2				10	5		17		630	79100	17	EACH	SIGN HANGER ASSEMBLY, MAST ARM	
			7	8						15		630	79500	15	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
			95.6	53.5			82.5	22		253.6		630	80100	253.6	SF	SIGN, FLAT SHEET	
			6	2						8		630	80500	8	EACH	SIGN, DOUBLE FACED, STREET NAME	
				2						2		630	80510	2	EACH	SIGN, STREET NAME	
			1							1		630	84511	1	EACH	RIGID OVERHEAD SIGN SUPPORT FOUNDATION, AS PER PLAN	110
				13	14					27		630	84900	27	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
				1						1		630	85100	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
				9	9					18		630	86002	18	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
				1						1		630	86010	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND REERECTION	
				2	2					4		630	87400	4	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	
				17	11					28		630	87500	28	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	
		1								1		630	97700	1	EACH	SIGNING, MISC.: REMOVAL OF MEIER'S WINE CELLARS SIGN	10
			1							1		630	97700	1	EACH	SIGNING, MISC.: REMOVAL OF SPAN WIRE	103
			2							2		630	97700	2	EACH	SIGNING, MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB)	103
					0.1					0.1		644	00200	0.1	MILE	LANE LINE, 4"	
					0.48	0.12				0.6		644	00300	0.6	MILE	CENTER LINE	
					400					400		644	00400	400	FT	CHANNELIZING LINE, 8"	
					152	103				255		644	00500	255	FT	STOP LINE	
					584	54				638		644	00630	638	FT	CROSSWALK LINE, 24"	
					215	81				296		644	00700	296	FT	TRANSVERSE/DIAGONAL LINE	
					36					36		644	00900	36	SF	ISLAND MARKING	
					1	1				2		644	01000	2	EACH	RAILROAD SYMBOL MARKING	
					410	496				906		644	01200	906	FT	PARKING LOT STALL MARKING	
					11	2				13		644	01300	13	EACH	LANE ARROW	
										3		644	01301	3	EACH	LANE ARROW, AS PER PLAN	
						230				230		644	01500	230	FT	DOTTED LINE, 4", DOUBLE YELLOW	103
						16				16		644	30000	16	FT	REMOVAL OF PAVEMENT MARKING	

GCWW items and quantities updated

Quantity changed

Quantity changed

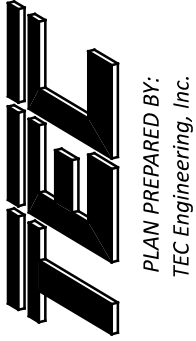
GENERAL SUMMARY

DESIGN AGENCY

 PLAN PREPARED BY:
 TEL Engineering, Inc.
 7288 Central Park Blvd.
 Mason, OH 45040
 DESIGNER
 KLL
 REVIEWER
 ALH 04/29/26
 PROJECT ID
 116550
 SHEET TOTAL
 018 | 166

SHEET NUM.						PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
9	11	12	26	115	119	1/STGB	2/NFP						
												TRAFFIC SIGNALS	
				47	119	166		625	25410	166	FT	CONDUIT, 2", 725.052	
				54	95	149		625	25606	149	FT	CONDUIT, 4", 725.052	
					60	60		625	25908	60	FT	CONDUIT, JACKED OR DRILLED, 725.052, 2"	
				288	284	572		625	25908	572	FT	CONDUIT, JACKED OR DRILLED, 725.052, 4"	
				98	191	289		625	29002	289	FT	TRENCH, 24" DEEP	
						572		625	29400	572	FT	TRENCH IN PAVED AREA	111
				5	9	14		625	30706	14	EACH	PULL BOX, 725.08, 24"	
				10	8	18		625	32000	18	EACH	GROUND ROD	
					1	1		632	04802	1	EACH	VEHICULAR SIGNAL HEAD, (LED), 1-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK	
				6	11	17		632	05006	17	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK	
				3	1	4		632	05086	4	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK	
				8	6	14		632	20731	14	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	112
				8	6	14		632	20750	14	EACH	ACCESSIBLE PEDESTRIAN PUSHBUTTON	
				9	12	21		632	25000	21	EACH	COVERING OF VEHICULAR SIGNAL HEAD	
				8	6	14		632	25010	14	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD	
					104	104		632	40300	104	FT	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG	
				967	1,009	1,976		632	40500	1,976	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	
				1,307	1,350	2,657		632	40700	2,657	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
					1	1		632	62820	1	EACH	INTERCONNECT, MISC.: REUSE OF INTERCONNECT CABLE	112
				4	3	7		632	64011	7	EACH	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	112
		2				2		632	64020	2	EACH	PEDESTAL FOUNDATION	
				5	4	9		632	64021	9	EACH	PEDESTAL FOUNDATION, AS PER PLAN	112
				927	979	1,906		632	65300	1,906	FT	LOOP DETECTOR LEAD-IN CABLE, 2 CONDUCTOR, NO. 14 AWG	
				133	231	364		632	66104	364	FT	POWER CABLE, 3 CONDUCTOR, NO. 10 AWG	
				1	1	2		632	70001	2	EACH	POWER SERVICE, AS PER PLAN	112
				3	1	4		632	72111	4	EACH	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 4, AS PER PLAN, BLACK	112
					2	2		632	72131	2	EACH	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN, BLACK	112
				1		1		632	72151	1	EACH	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN, BLACK	112
				5	4	9		632	89921	9	EACH	PEDESTAL, 10.7' TALL, TRANSFORMER BASE, AS PER PLAN, BLACK	112
				1	1	2		632	90101	2	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	112
				1	1	2		633	45000	2	EACH	GPS (GLOBAL POSITIONING SYSTEM) CLOCK ASSEMBLY	
				1	1	2		633	65511	2	EACH	CABINET, TYPE TS-2, AS PER PLAN	112
				1	1	2		633	67100	2	EACH	CABINET FOUNDATION	
				1	1	2		633	67200	2	EACH	CONTROLLER WORK PAD	
				1	1	2		633	75001	2	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	112
				4	5	9		809	69101	9	EACH	STOP LINE RADAR DETECTION, AS PER PLAN	113
				1	1	2		809	69123	2	EACH	ATC CONTROLLER, AS PER PLAN	113
												MAINTENANCE OF TRAFFIC	
		150				150		410	10000	150	CY	TRAFFIC COMPACTED SURFACE, TYPE A	
				8	12	20		614	11110	20	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	113
		LS				LS		614	12420	LS		DETOUR SIGNING	
		0.22				0.22		614	20000	0.22	MILE	WORK ZONE LANE LINE, CLASS I, 4"	
		0.11				0.11		614	20550	0.11	MILE	WORK ZONE LANE LINE, CLASS III, 4", 642 PAINT	
		0.22				0.22		614	21000	0.22	MILE	WORK ZONE CENTER LINE, CLASS I	
		0.11				0.11		614	21550	0.11	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
		0.54				0.54		614	22100	0.54	MILE	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT	
		0.27				0.27		614	22350	0.27	MILE	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT	
		480				480		614	24000	480	FT	WORK ZONE DOTTED LINE, CLASS I	
		240				240		614	24610	240	FT	WORK ZONE DOTTED LINE, CLASS III, 4", 642 PAINT	
		120				120		614	26000	120	FT	WORK ZONE STOP LINE, CLASS I	
		60				60		614	26610	60	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
		320				320		614	27010	320	FT	WORK ZONE CROSSWALK LINE, CLASS I, 12"	
		160				160		614	27250	160	FT	WORK ZONE CROSSWALK LINE, CLASS III, 12", 642 PAINT	
		32				32		614	30000	32	EACH	WORK ZONE ARROW, CLASS I	
		16				16		614	30650	16	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	
		4				4		616	10000	4	MGAL	WATER	11

615 Items removed
614 Marking quantities changed

GENERAL SUMMARY

DESIGN AGENCY

 PLAN PREPARED BY:
 TEL Engineering, Inc.
 7288 Central Park Blvd.
 Mason, OH 45040

DESIGNER
KLL

REVIEWER
ALH 04/29/26

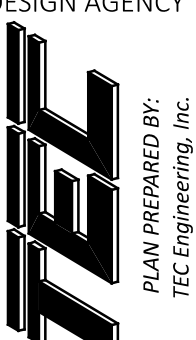
PROJECT ID
116550

SHEET TOTAL
019 | 166

REF NO.	SHEET NO.	STATION TO STATION	202		202		202		202		202		203		203		203		608		608		608		611		611		611		SPECIAL		611		638		638		638			
			SY	SF	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	SF	FT	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH				
		PLAINFIELD RD																																								
30		300+00 TO 304+50			2																																					
31		304+50 TO 309+50						101																																		
32		309+50 TO 314+50								1	2																															
33		314+50 TO 319+50																																								
34		319+50 TO END																																								
		MONTGOMERY RD																																								
35		11+03 TO 14+65																																								
		BLUE ASH RD																																								
37		BEGIN TO 74+50																																								
38		74+50 TO END																																								
		PLAINFIELD RD																																								
30-34		300+70 TO 320+81	7535	27289			3944																																			
		MONTGOMERY RD																																								
35		11+02 TO 14+65	227	6030			550																																			
		NORTH AVE																																								
36		0+00 TO 0+97	202	1117			125																																			
		BLUE ASH RD																																								
37-38		70+00 TO 75+94	2824	5935			1044																																			
32		311+00																																								
32		313+00																																								
TOTALS CARRIED TO GENERAL SUMMARY			10788	40371	2	5663	101	1	2	2	39500	2	2691	12	1	5	44	12	9		101	7	5																			

Quantity changed

SUB SUMMARY - ROADWAY

DESIGN AGENCY

 PLAN PREPARED BY:
 TEL Engineering, Inc.
 7288 Central Park Blvd.
 Mason, OH 45040

DESIGNER
 KLL

REVIEWER
 ALH 04/29/26

PROJECT ID
 116550

SHEET TOTAL
 020 166

STATION RANGE	SECTION	DISTANCE (D)	AVERAGE WIDTH (W)	CADD GENERATED AREA	CADD GENERATED AREA	SUBGRADE AREA WITH 1' STEP	204	204	204	204	254	301	301	304	407	441	441	441	609	
							SUBGRADE COMPACTION	EXCAVATION OF SUBGRADE	GRANULAR MATERIAL, TYPE B	GEOGRID		PAVEMENT PLANING, ASPHALT CONCRETE, (3.25" THICK)	ASPHALT CONCRETE BASE, PG64-22, (449), (DRIVEWAYS), (5" THICK)	ASPHALT CONCRETE BASE, PG64-22, (449), (6" THICK)	AGGREGATE BASE (5" THICK)	NON-TRACKING TACK COAT (@0.05 GAL/SY)	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 (1.5" THICK)	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS) (2" THICK)		ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) (1.75" THICK)
FT	FT	SQ FT	SQ YD	SQ YD	SY	CY	CY	CY	SY	SY	CY	CY	CY	GAL	CY	CY	CY	FT		
PLAINFIELD RD																				
300+70.00	TO 321+47.00	FULL DEPTH PAVEMENT	2077.00	31.00	63306.00	7034	7708	7708	2420	2420	7708		1173	1071	704	294		342	4041	
MONTGOMERY RD																				
11+03.00	TO 14+65.00	FULL DEPTH PAVEMENT	362.00	3.00	2028.00	226	325	325	-	-	325		38	46	23	10		11	598	
11+03.00	TO 14+65.00	PLANING	362.00	36.00	14446.00	1606	N/A	-	-	-	-	1606			161	67		79		
NORTH AVE																				
0+00.00	TO 0+96.97	FULL DEPTH PAVEMENT	96.97	29.00	2109.00	235	263	263	82	82	263		40	37	24	10		12	172	
BLUE ASH RD																				
70+00.00	TO 75+93.86	FULL DEPTH PAVEMENT	593.86	26.00	17055.00	1895	2082	2082	653	653	2082		316	290	190	79		93	1117	
72+87.85	TO 75+93.00	PARKING	306.00	21.00	6427.00	715	715	715	-	-	-	100			36		40			
SUBTOTALS							11093	3155	3155	10378	1606	100	1567	1444	1138	460	40	537		5928
TOTALS CARRIED TO GENERAL SUMMARY							11093	3155	3155	10378	1606	100	1567	1444	1138	460	40	537		5928

Plaining section added

Quantity changed

Item added

Quantity changed

Quantity changed

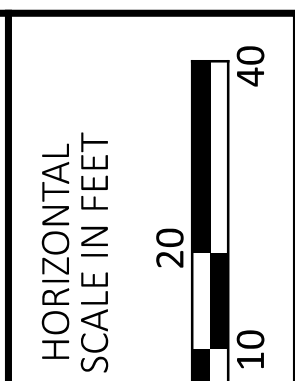
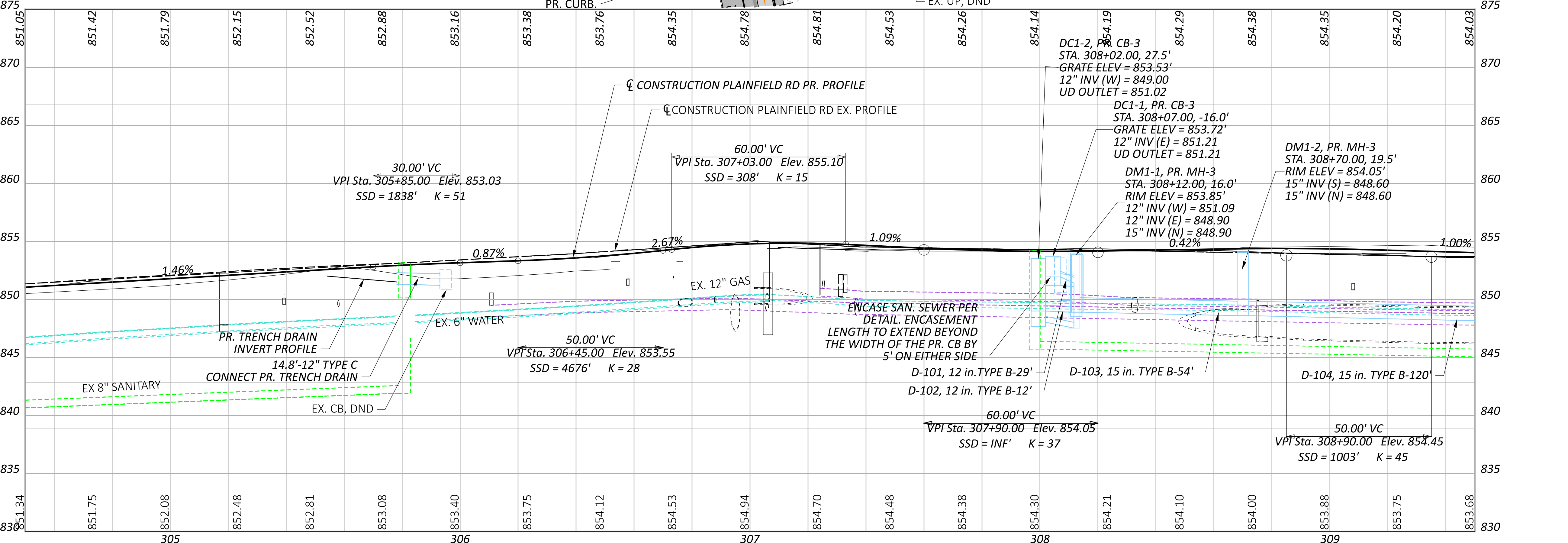
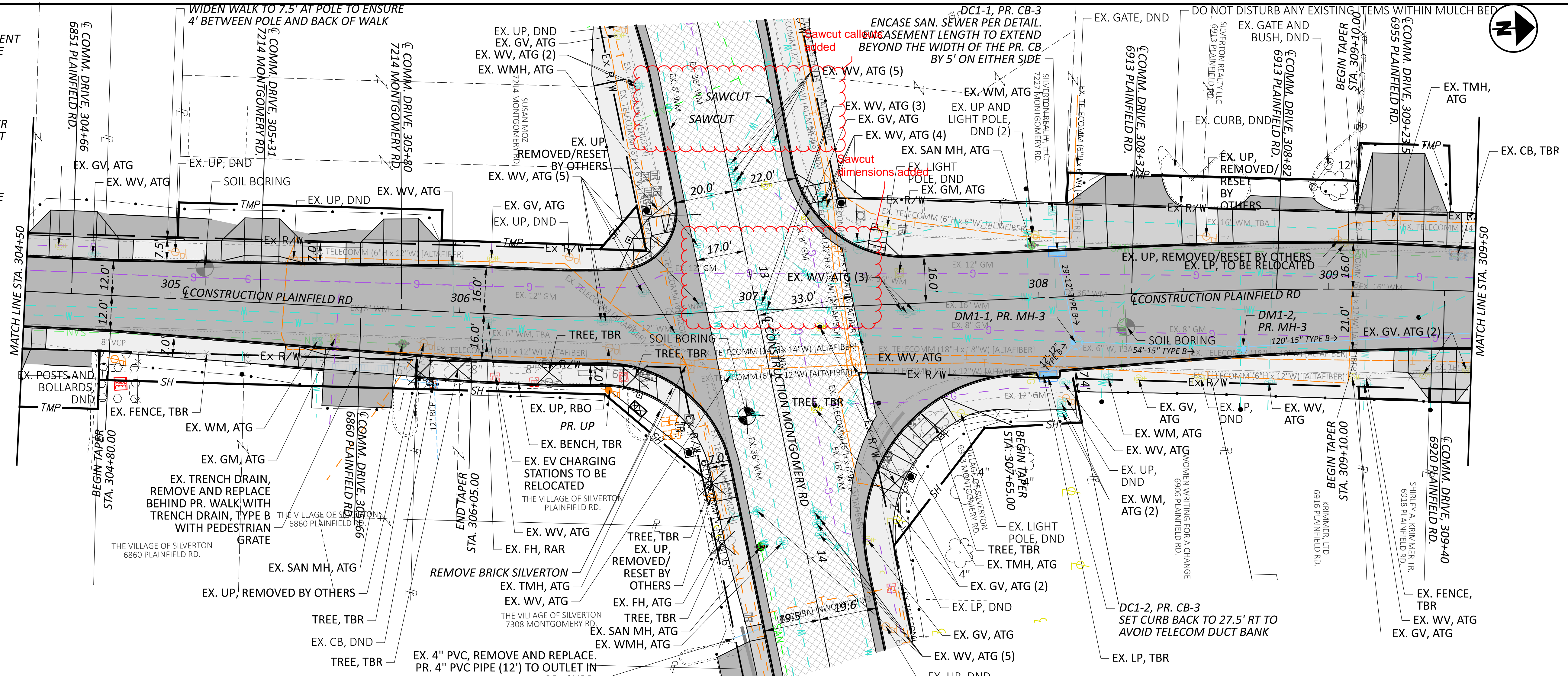
SUB SUMMARY - PAVEMENT

DESIGN AGENCY

 PLAN PREPARED BY:
 TEL Engineering, Inc.
 7288 Central Park Blvd.
 Mason, OH 45040
 DESIGNER
 KLL
 REVIEWER
 ALH 04/29/26
 PROJECT ID
 116550
 SHEET TOTAL
 024 166

LEGEND

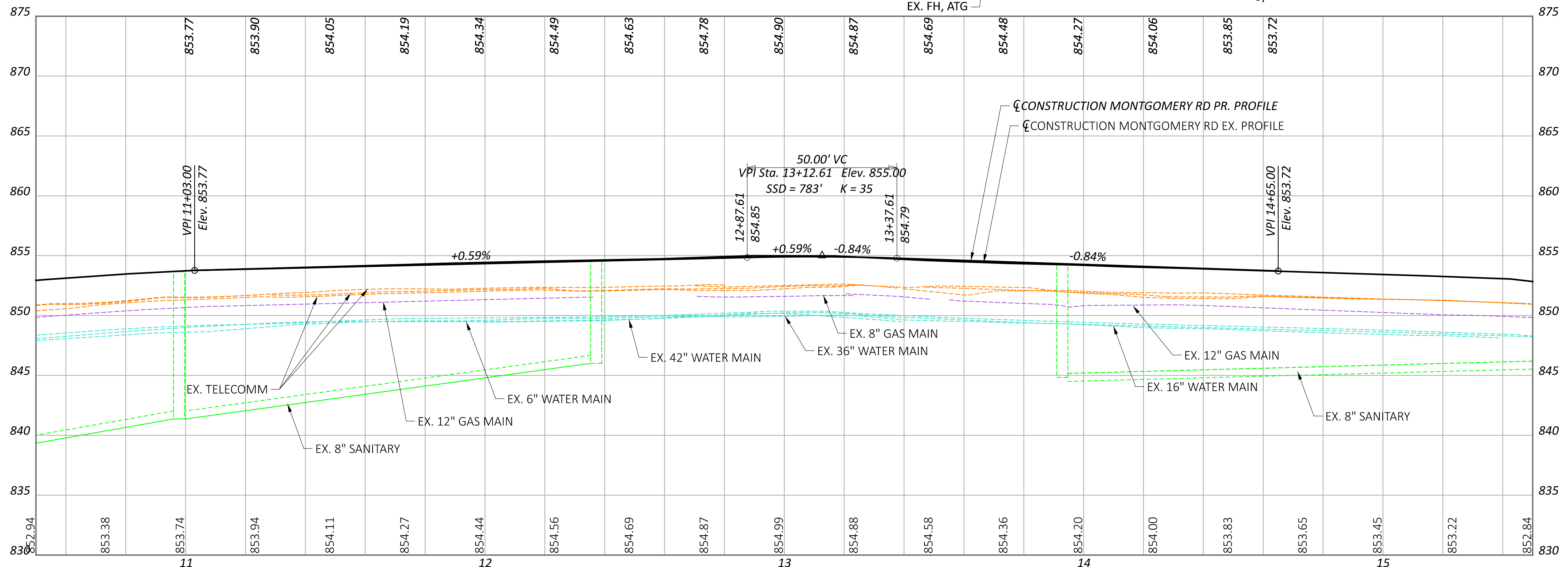
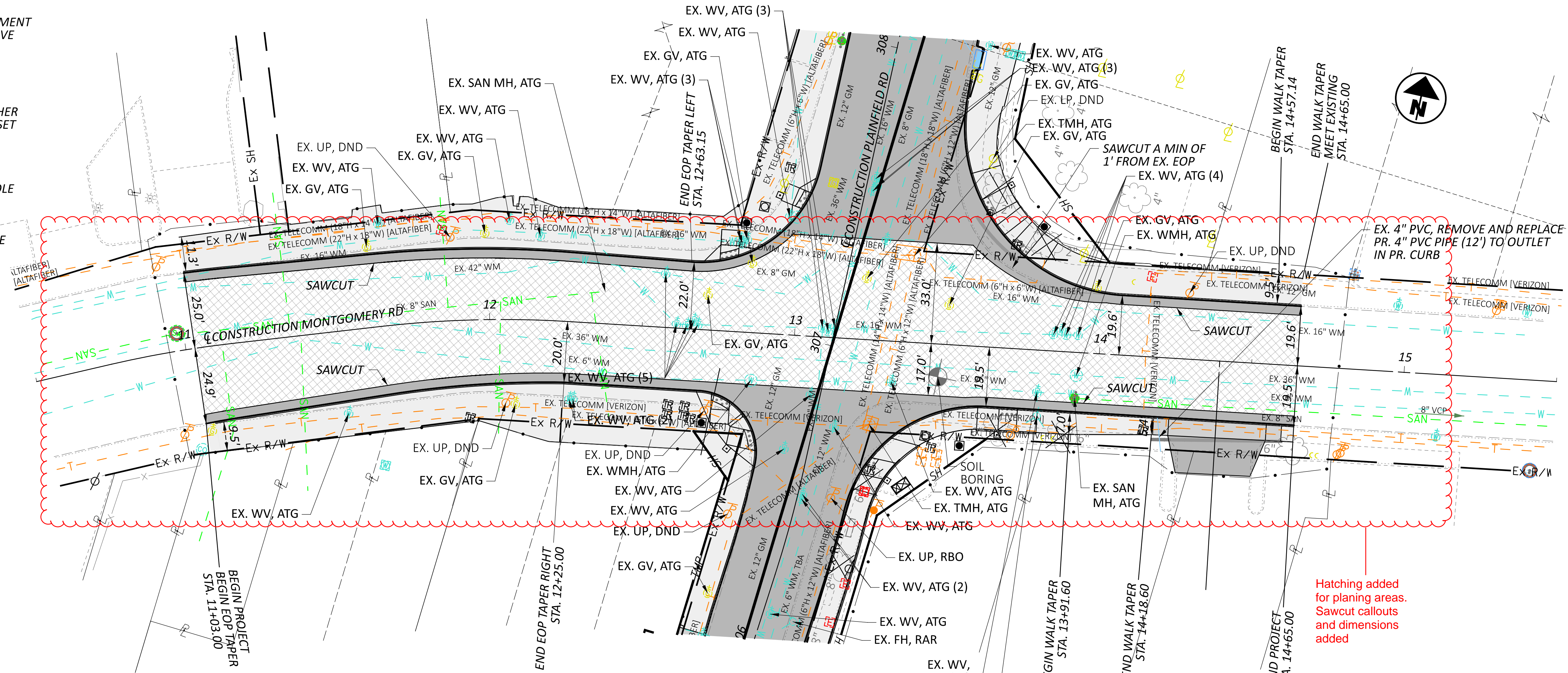
- PR. ASPHALT PAVEMENT
- PR. CONCRETE DRIVE
- PR. PLANING
- PR. WALK
- ATG - ADJUST TO GRADE
- DND - DO NOT DISTURB
- TBR - TO BE REMOVED
- RBO - RELOCATED BY OTHER
- RAR - RELOCATE AND RESET
- FH - FIRE HYDRANT
- GV - GAS VALVE
- GM - GAS METER
- LP - LIGHT POLE
- TMH - TELECOM MANHOLE
- UP - UTILITY POLE
- WV - WATER VALVE
- WM - WATER METER
- WMH - WATER MANHOLE



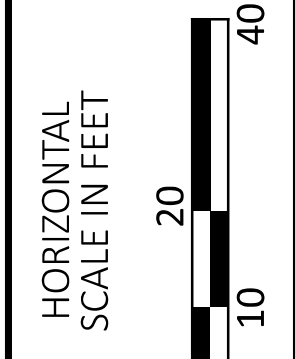
PLAINFIELD RD PLAN AND PROFILE
STA. 304+50 TO STA. 309+50

DESIGN AGENCY	KLL
DESIGNER	KLL
REVIEWER	ALH 04/29/26
PROJECT ID	116550
SHEET	031
TOTAL	166

- LEGEND**
- PR. ASPHALT PAVEMENT
 - PR. CONCRETE DRIVE
 - PR. PLANING
 - PR. WALK
 - ATG - ADJUST TO GRADE
 - DND - DO NOT DISTURB
 - TBR - TO BE REMOVED
 - RBO - RELOCATED BY OTHER
 - RAR - RELOCATE AND RESET
 - FH - FIRE HYDRANT
 - GV - GAS VALVE
 - GM - GAS METER
 - LP - LIGHT POLE
 - TMH - TELECOM MANHOLE
 - UP - UTILITY POLE
 - WV - WATER VALVE
 - WM - WATER METER
 - WMH - WATER MANHOLE

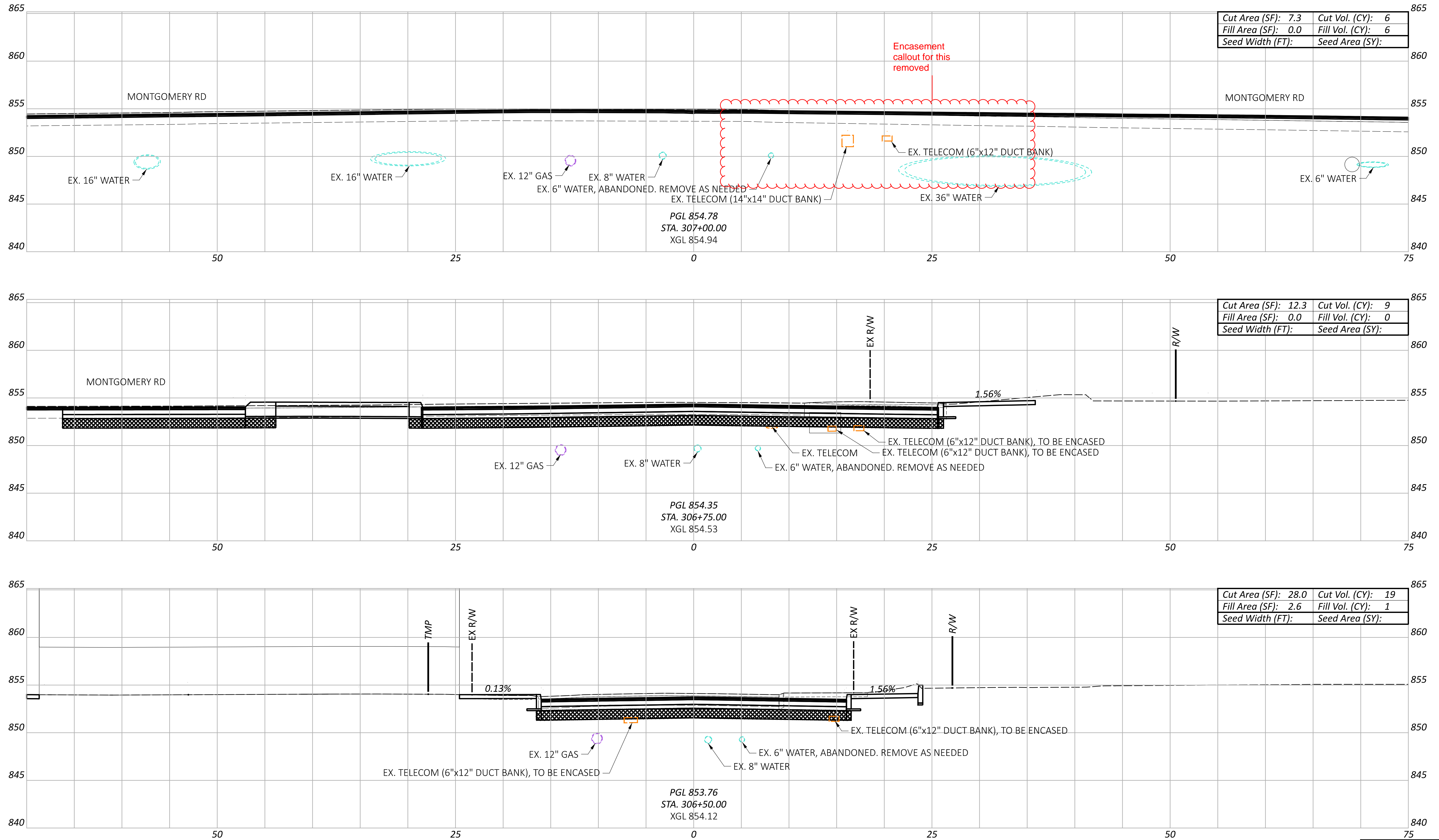


Hatching added for planing areas. Sawcut callouts and dimensions added



MONTGOMERY RD PLAN AND PROFILE
STA. 11+03.00 TO 14+65.00

DESIGN AGENCY	TEC
PLAN PREPARED BY: TEC Engineering, Inc. 7288 Central Park Blvd. Mason, OH 45040	
DESIGNER	KLL
REVIEWER	ALH
PROJECT ID	116550
SHEET TOTAL	035 166



PLAINFIELD RD CROSS SECTIONS
 STA. 306+50 TO STA. 307+00

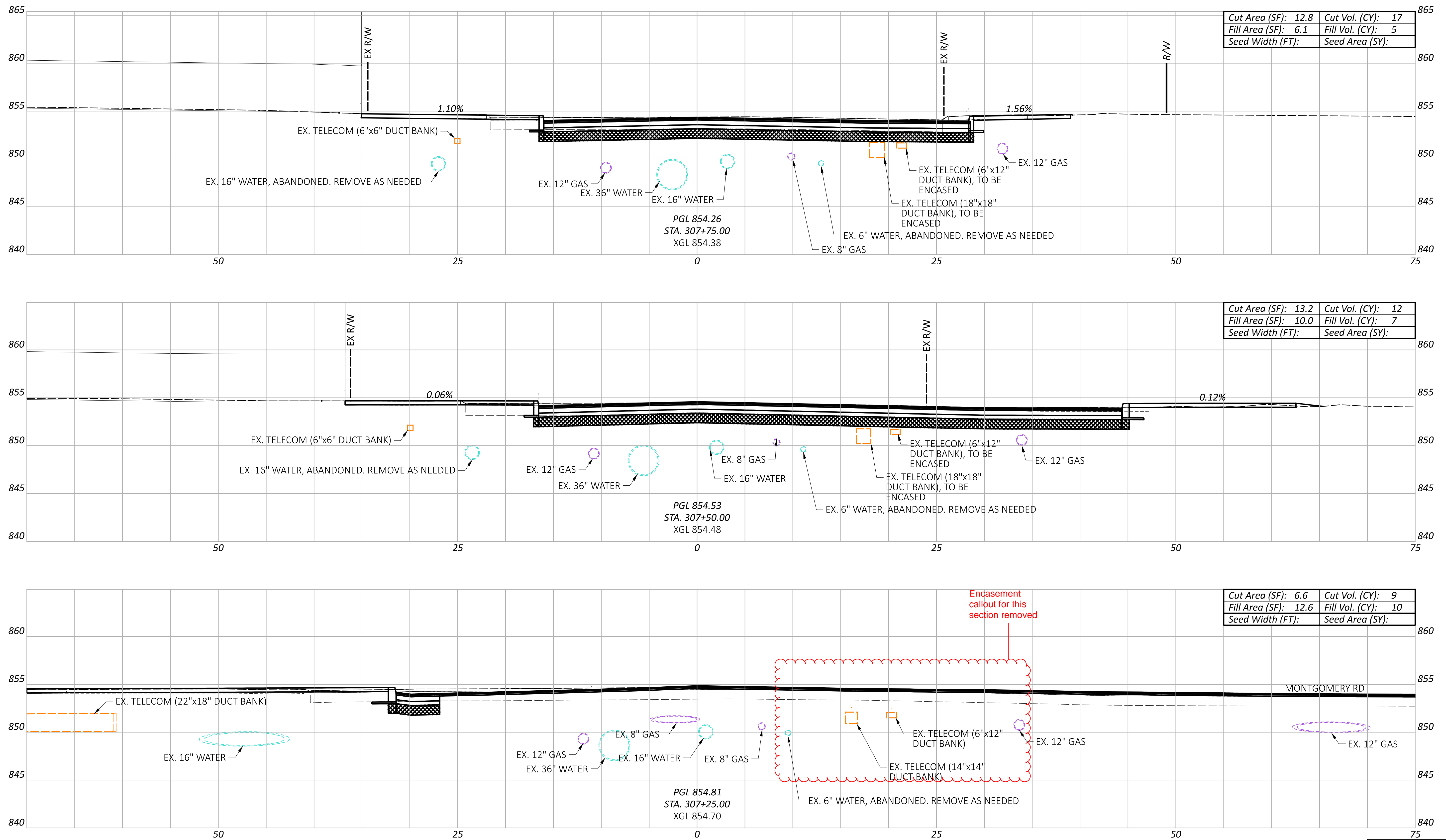
DESIGN AGENCY
TEL
 PLAN PREPARED BY:
 TEC Engineering, Inc.
 7288 Central Parke Blvd.
 Mason, OH 45040

DESIGNER
 KLL

REVIEWER
 ALH 04/29/26

PROJECT ID
 116550

Sheet Totals		116550	
Seeding	Cut	Fill	SHEET TOTAL
	34	7	047 166



Cut Area (SF):	12.8	Cut Vol. (CY):	17
Fill Area (SF):	6.1	Fill Vol. (CY):	5
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	13.2	Cut Vol. (CY):	12
Fill Area (SF):	10.0	Fill Vol. (CY):	7
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	6.6	Cut Vol. (CY):	9
Fill Area (SF):	12.6	Fill Vol. (CY):	10
Seed Width (FT):		Seed Area (SY):	

Sheet Totals			116550	
Seeding	Cut	Fill	SHEET	TOTAL
	38	22	048	166

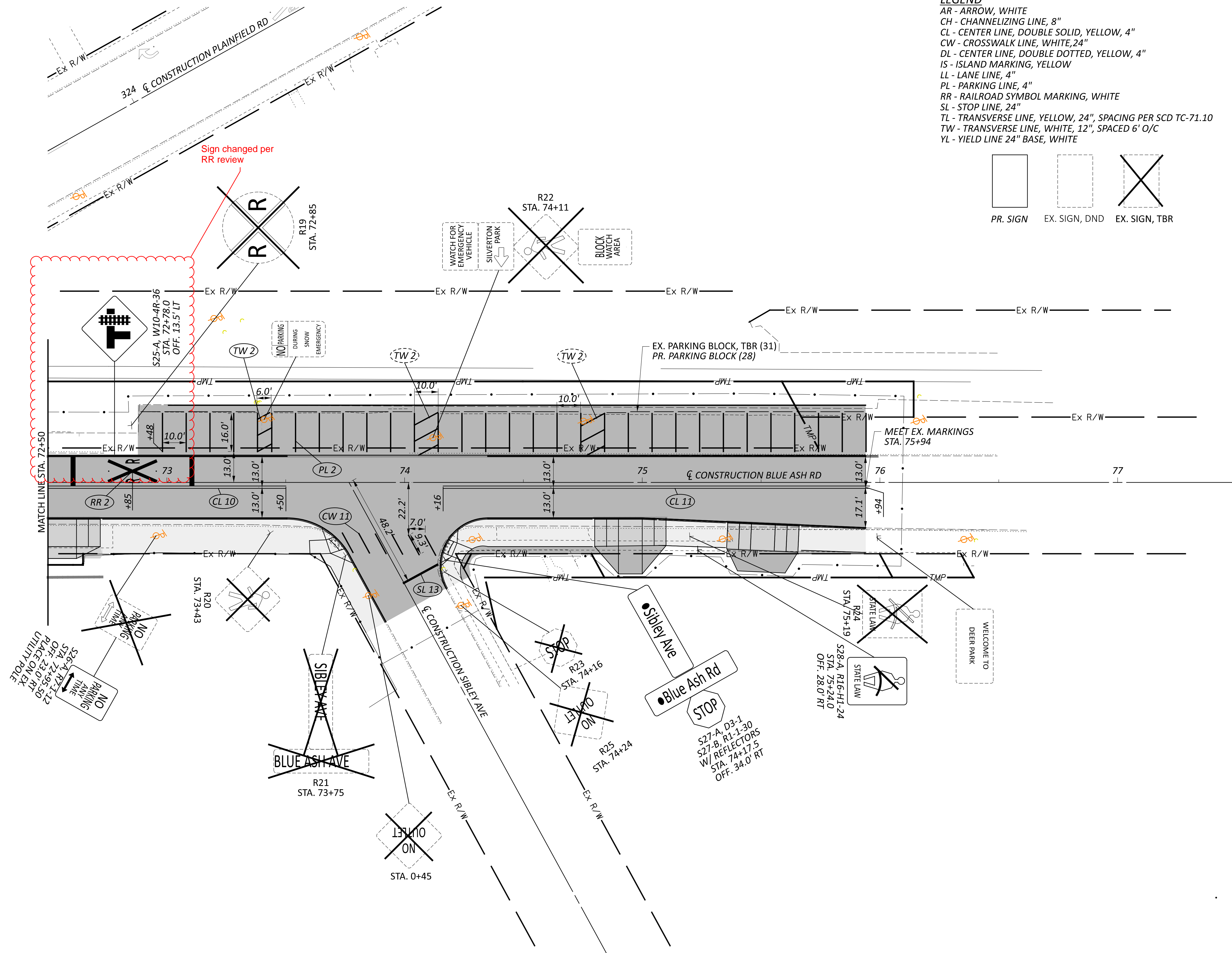
PLAINFIELD RD CROSS SECTIONS
 STA. 307+25 TO STA. 307+75

DESIGN AGENCY
TEL
 PLAN PREPARED BY:
 TEC Engineering, Inc.
 7288 Central Park Blvd.
 Mason, OH 45040

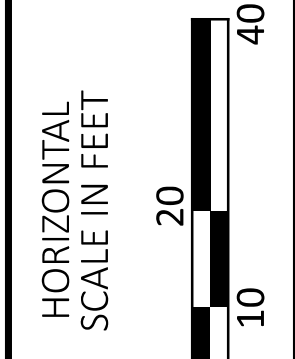
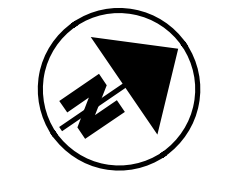
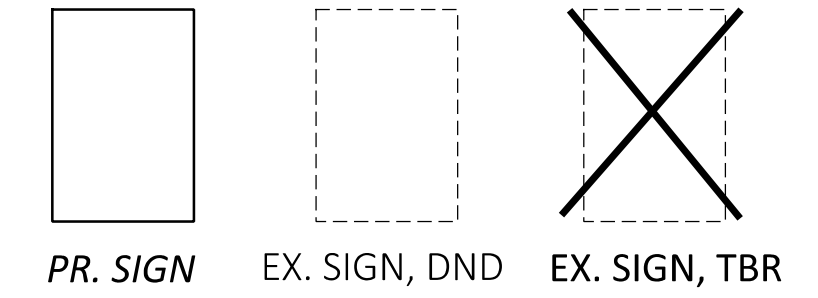
DESIGNER
 KLL

REVIEWER
 ALH 04/29/26

PROJECT ID
 116550



LEGEND
 AR - ARROW, WHITE
 CH - CHANNELIZING LINE, 8"
 CL - CENTER LINE, DOUBLE SOLID, YELLOW, 4"
 CW - CROSSWALK LINE, WHITE, 24"
 DL - CENTER LINE, DOUBLE DOTTED, YELLOW, 4"
 IS - ISLAND MARKING, YELLOW
 LL - LANE LINE, 4"
 PL - PARKING LINE, 4"
 RR - RAILROAD SYMBOL MARKING, WHITE
 SL - STOP LINE, 24"
 TL - TRANSVERSE LINE, YELLOW, 24", SPACING PER SCD TC-71.10
 TW - TRANSVERSE LINE, WHITE, 12", SPACED 6' O/C
 YL - YIELD LINE 24" BASE, WHITE



TRAFFIC CONTROL PLAN
BLUE ASH RD - 72+50 TO END

DESIGN AGENCY	
TEC	
PLAN PREPARED BY: TEC Engineering, Inc. 7288 Central Park Blvd. Mason, OH 45040	
DESIGNER	KLL
REVIEWER	ALH 04/29/26
PROJECT ID	116550
SHEET	TOTAL
109	166

809, STOP-LINE RADAR DETECTION, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING A WAVETRONIX SMARTSENSOR MATRIX DETECTION UNIT. THE DETECTION UNIT SHALL INCLUDE THE FOLLOWING:

1. POWER SHALL BE PROVIDED FROM THE TRAFFIC CABINET.
2. ALL REQUIRED INPUTS CARDS SHALL BE INCLUDED IN THE TRAFFIC CABINET AND SHALL BE COMPATIBLE WITH CALTRANS, NEMA TS1 AND NEMA TS2 DETECTOR RACKS. THE CARDS SHALL PROVIDE TRUE PRESENCE DETECTOR CALLS OR CONTACT CLOSURE TO THE TRAFFIC CONTROLLER.
3. THE UNIT SHALL BE MOUNTED DIRECTLY TO A POLE OR MAST ARM, AS RECOMMENDED BY THE MANUFACTURER. CABLE(S) SHALL BE PROVIDED AS REQUIRED AND RECOMMENDED BY THE MANUFACTURER.
4. SURGE PROTECTION DEVICES, AS RECOMMENDED BY THE MANUFACTURER SHALL BE INCLUDED BOTH AT THE POLE WHERE THE UNIT IS LOCATED TO PROTECT THE UNIT AND IN THE TRAFFIC CABINET TO PROTECT THE CABINET ELECTRONICS.
5. THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.
6. A SERIAL TO ETHERNET COMMUNICATIONS MODULE AND ETHERNET CABLE (MINIMUM 7 FEET).
7. THE POWER SUPPLY AND COMMUNICATION MODULES SHALL BE SECURED TO A SINGLE PANEL THAT CAN BE MOUNTED INTERIOR TO THE TRAFFIC CABINET. THE PANEL SHALL INCLUDE MODULAR-PLUG STYLE CONNECTIONS FOR UP TO FOUR (4) SENSOR CABLES. ADDITIONAL SENSORS MAY BE HARD-WIRED TO THE COMMUNICATION MODULES, AS NECESSARY.
8. THE CONTRACTOR SHALL INSTALL THE RADAR DETECTION PRIOR TO MILLING/DISABLING EXISTING LOOPS.
9. THE INSTALLATION SHALL INCLUDE ALL CONTROLLER PROGRAMMING FOR COMPLETE INSTALLATION, WHICH INCLUDES MODIFICATIONS FOR REMOVAL OF EXISTING DETECTION.

PAYMENT FOR ITEM 809 STOP-LINE RADAR DETECTION, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT AND CONNECTIONS TESTED AND ACCEPTED.

809, ATC CONTROLLER, AS PER PLAN

THE CONTROLLER UNIT SHALL BE FURNISHED AND INSTALLED PER SS 809 AND BE LISTED ON THE TRAFFIC AUTHORIZED PRODUCTS (TAP) LIST.

THE CONTROLLER SHALL BE AN ECONOLITE COBALT AND COMPATIBLE WITH THE CABINET TYPE BEING INSTALLED.

819, RAILROAD PREEMPTION INTERFACE, AS PER PLAN, PLAINFIELD RD. & BLUE ASH RD.

THIS ITEM OF WORK SHALL CONSIST OF PROVIDING A RAILROAD PREEMPTION INTERFACE IN THE SIGNAL CABINET AS INDICATED ON THE PLANS AT PLAINFIELD ROAD & BLUE ASH ROAD.

EACH INTERFACE SHALL COMMUNICATE WITH THE RAILROAD CIRCUITRY TO PROVIDE INDICATIONS NOTED IN ODOT SCD TC-86.10 AS WELL AS THE SPECIFICATIONS FROM ODOT SS 819 AND 919. THE CONTRACTOR SHALL COORDINATE INSTALLATION, AND IMPLEMENTATION WITH THE RAILROAD AND ORDC. REFER TO SIGNAL DETAIL SHEETS FOR RR PREEMPT PHASING AT EACH SIGNAL.

THE PREEMPTION INDICATOR PANEL SHALL FOLLOW ALL STANDARDS LISTED IN ODOT SUPPLEMENTAL SPECIFICATIONS SS819 AND 919. THE PANEL SHALL BE MOUNTED ON THE POLE INDICATED IN THE PLANS AND MAINTAIN ALL RAILROAD AIMING PREFERENCES.

THIS ITEM SHALL INCLUDE TYING INTO THE EXISTING RAILROAD PREEMPTION EQUIPMENT WITHIN RAILROAD R/W. THIS WILL REQUIRE COORDINATION WITH THE RAILROAD FOR THE FOLLOWING:

- CONNECTION BETWEEN THE EXISTING PULLBOX & PROPOSED BOX B5
- TYING IN THE EXISTING RAILROAD EQUIPMENT TO THE PROPOSED INTERFACE

THE TYPE OF INTERFACE SHALL BE A xRPS TO ACCOUNT FOR THE COMPLEX NATURE OF THE PLAINFIELD ROAD CROSSING. WIRING TO THE CONTROLLER SHALL BE INCIDENTAL TO THE COST OF THIS ITEM.

Note updated per RR review

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW SHALL NOT BE PERMITTED AT PROJECT COST NOR TIME COMPENSATION. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

1. DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.
2. DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).
3. DURING PERIODS WHERE TRAFFIC NEEDS TO BE DIRECTED CONTRARY TO A TRAFFIC CONTROL DEVICE (FLAGGER, SIGN [E.G. STOP SIGN, STREET OR HIGHWAY SIGNS, ETC], SIGNAL OR OTHER DEVICE USED TO REGULATE, WARN OR GUIDE TRAFFIC). TRAFFIC IN THIS INSTANCE INCLUDES VEHICULAR, PEDESTRIAN AND/OR SHARED USE PATH USERS.

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

4. FOR LANE CLOSURES THAT MEET ALL OF THE CRITERIA LISTED BELOW: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

- a. CRITERIA
 - i. ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND,
 - ii. AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND,
 - iii. AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS AND/OR IN CONTRARY TO OTHER TRAFFIC CONTROL DEVICES IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

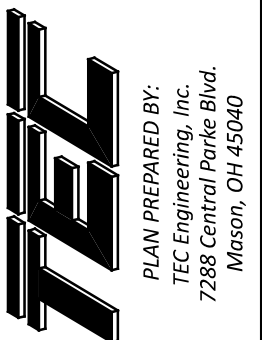
ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONT.)

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03. THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE.

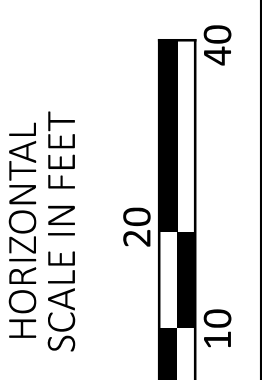
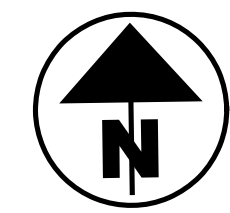
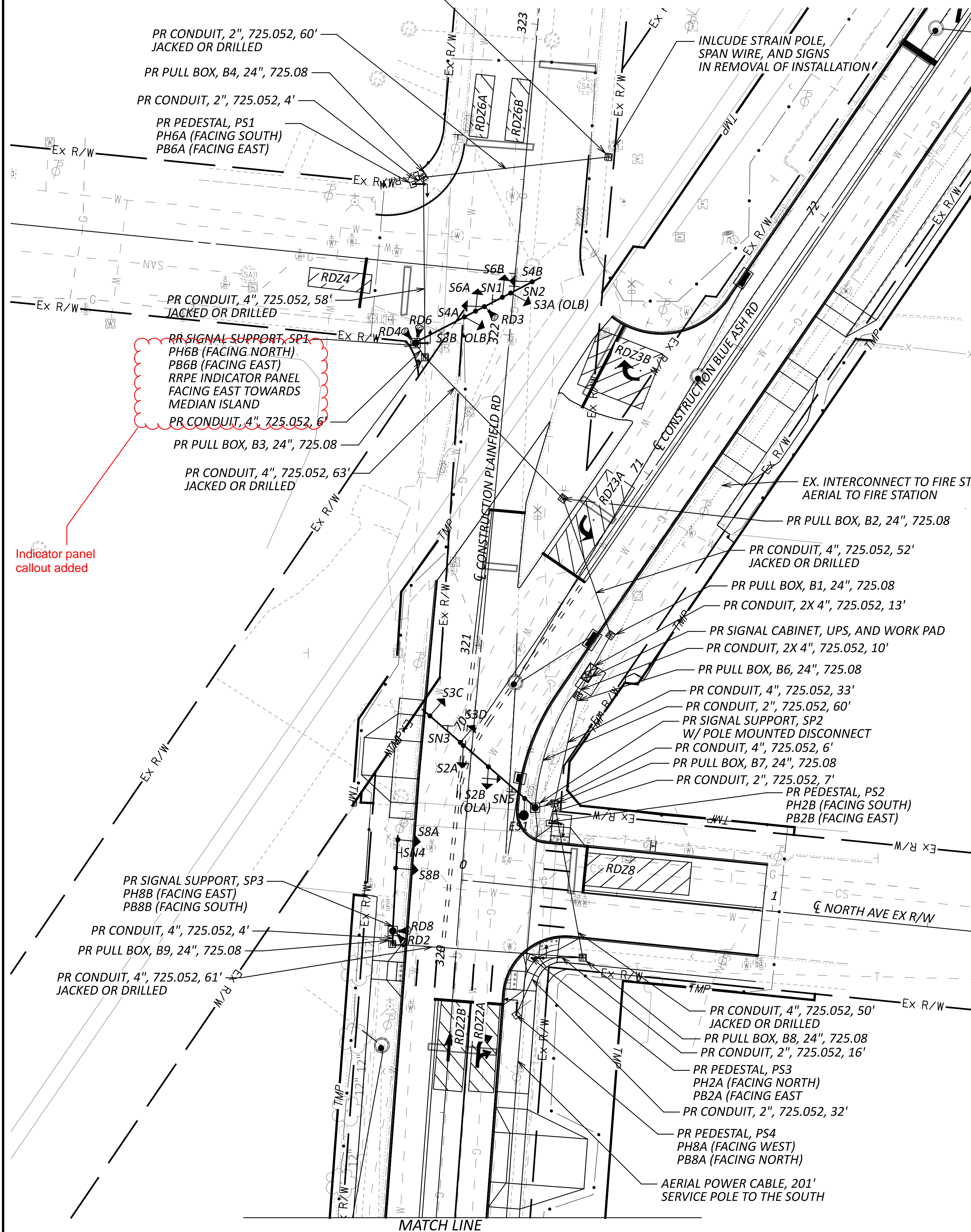
THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED. ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.



NOTE: * CONTRACTOR SHALL LEAVE UNUSED PAIRED WIRES AVAILABLE IN THIS PULL BOX FOR FUTURE USE.

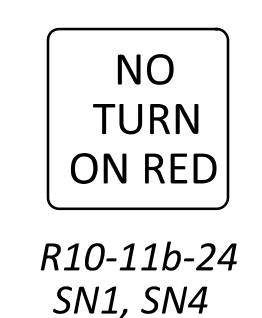
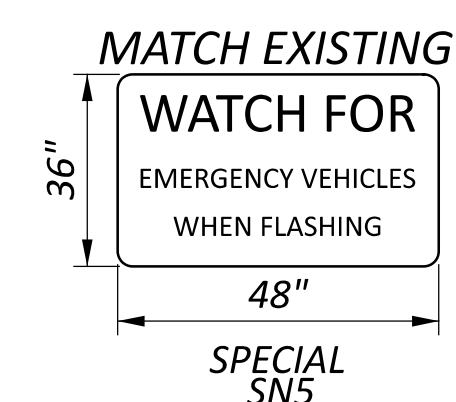
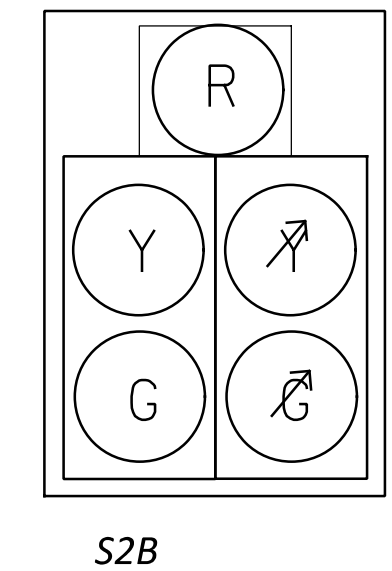
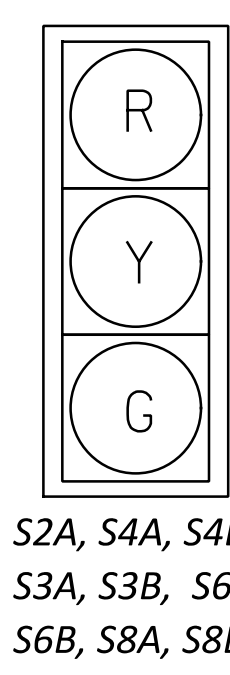
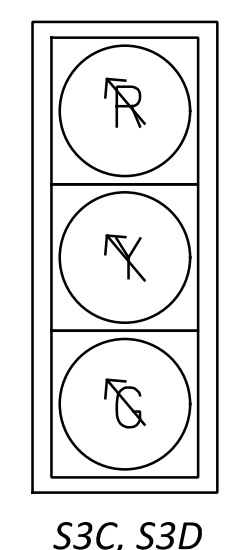
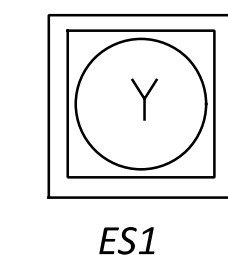
PR PULL BOX, B5, 24", 725.08 FOR RAILROAD PREEMPTION CONNECTION*

Note and callout updated



TRAFFIC SIGNAL PLAN
PLAINFIELD RD AT BLUE ASH RD/NORTH AVE

EMERGENCY FLASHER



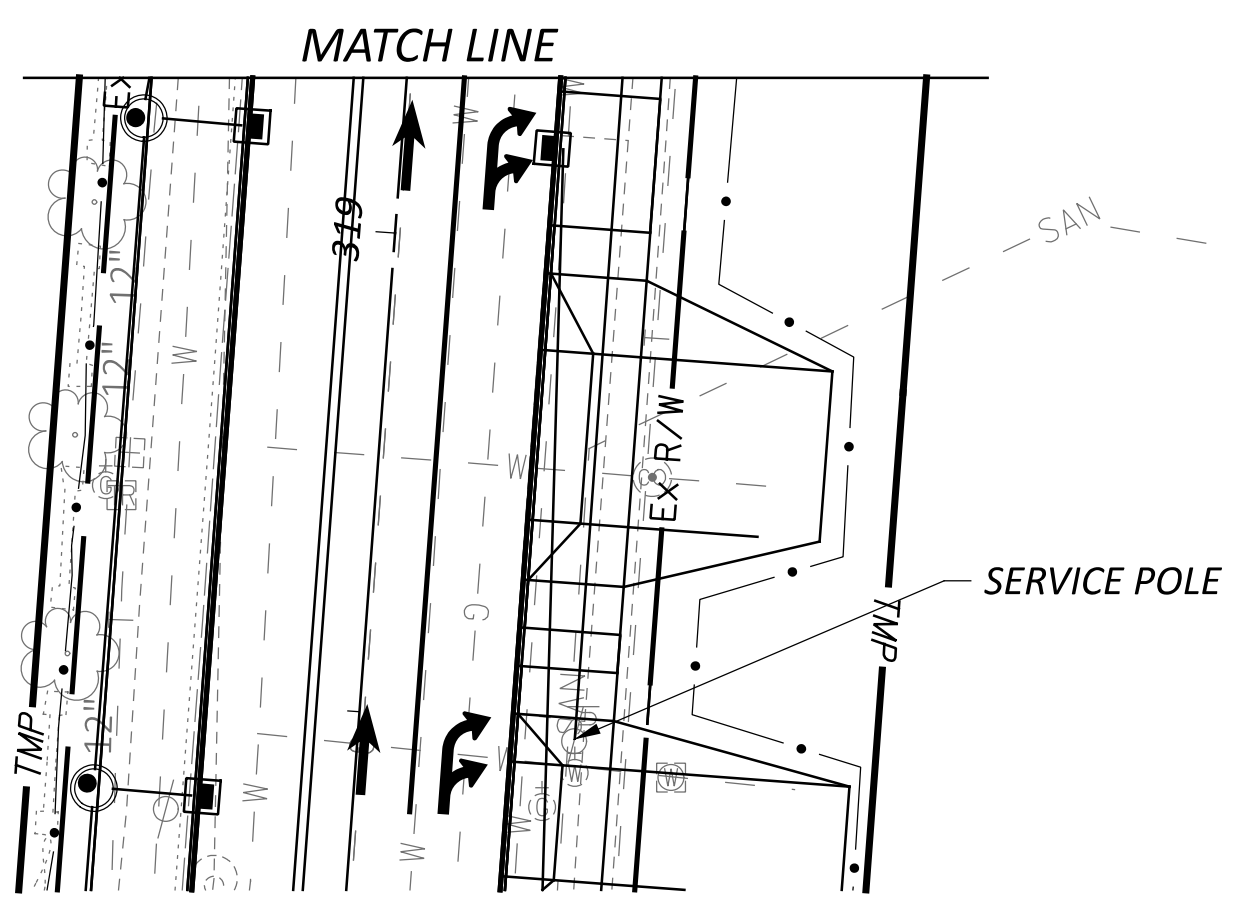
PROPOSED SIGNS

PULL BOX TABLE

PULL BOX #	STATION	SIDE	OFFSET	SIZE (IN.)
B1	321+07.3	RIGHT	41.1	24
B2	321+49.4	RIGHT	21.8	24
B3	321+90.4	LEFT	26.2	24
B4	322+47.9	LEFT	32.1	24
B5	322+59.8	RIGHT	26.3	24
B6	320+87.6	RIGHT	31.3	24
B7	320+51.5	RIGHT	27.9	24
B8	320+02.9	RIGHT	40.6	24
B9	320+02.6	LEFT	20.6	24
CABINET	320+95.4	RIGHT	35.7	-

LEGEND

- TRAFFIC SIGNAL, 2 UNIT, 3 UNIT, OR PHB HEAD, 12"
- TRAFFIC SIGNAL, 4 OR 5 UNIT HEAD, 12"
- EMERGENCY SIGNAL FLASHER, 12"
- SIGNAL SUPPORT POLE
- PEDESTRIAN HEAD
- PEDESTRIAN PUSH BUTTON
- PEDESTAL SUPPORT
- TS-2 CONTROLLER AND WORK PAD
- TRAFFIC PULL BOX
- STOP LINE RADAR DETECTION UNIT
- DETECTION ZONE
- PR.
- EX.

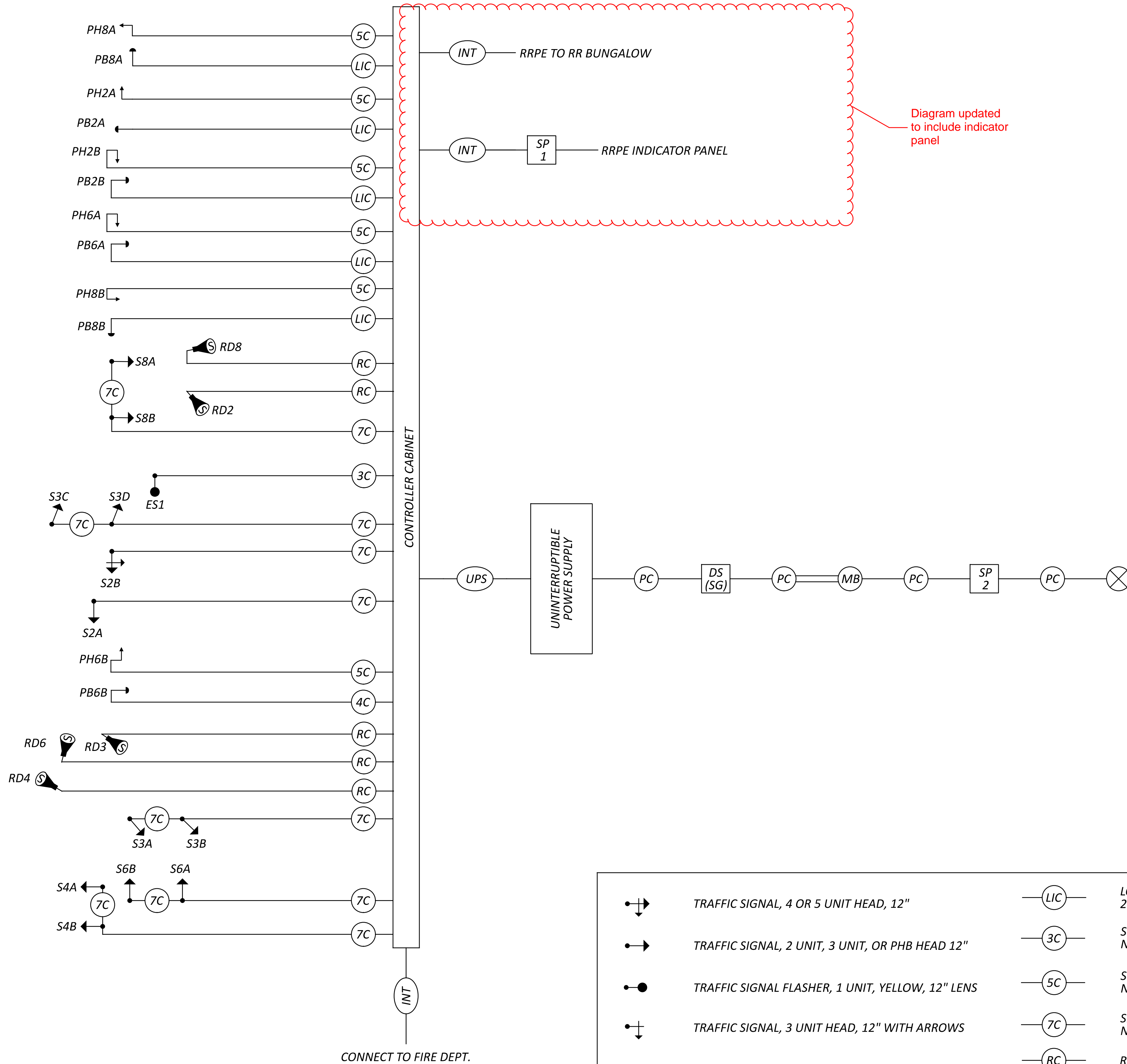


FIELD WIRING HOOKUP CHART (TEM FORM 496-16)

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH	SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
NB (S2A)	R	φ2 R	R	SB (S6A, S6B)	R	φ6 R	R
	Y	φ2 Y			Y	φ6 Y	
	G	φ2 G			G	φ6 G	
NBRT (S2B)	R	φ2 R	R	WB (S8A, S8B)	R	φ8 R	R
	Y	φ2 Y			Y	φ8 Y	
	G	φ2 G			G	φ8 G	
	Y	φOLA Y		PEDESTRIAN MOVEMENTS			
SWRT (S3A, S3B)	R	φOLB R	R	(PH2A, PH2B)	W	φ2 R/LS 9 G	OUT
	Y	φOLB Y		(PH6A, PH6B)	W	φ6 R/LS 10 G	OUT
	G	φOLB G		(PH8A, PH8B)	W	φ8 R/LS 11 G	OUT
SWLT (S3C, S3D)	R	φ3 R	R	OVERLAPS			
	Y	φ3 Y		OLA (S2B)	Y	φ3 Y	R
	G	φ3 G		OLB (S3A, S3B)	Y	φ3 Y	R
EB (S4A, S4B)	R	φ4 R	R	OLA (S2B)	G	φ3 G	R
	Y	φ4 Y		OLB (S3A, S3B)	Y	φ3 Y	R
	G	φ4 G		OLB (S3A, S3B)	G	φ3 G	R

Diagram updated to include indicator panel

WIRING DIAGRAM



LEGEND

	TRAFFIC SIGNAL, 4 OR 5 UNIT HEAD, 12"		LOOP DETECTOR LEAD-IN CABLE, 2 CONDUCTOR, NO. 14 AWG		POWER CABLE, 2 CONDUCTOR, NO. 10 AWG
	TRAFFIC SIGNAL, 2 UNIT, 3 UNIT, OR PHB HEAD 12"		SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG		SIGNAL SUPPORT POLE NO. _
	TRAFFIC SIGNAL FLASHER, 1 UNIT, YELLOW, 12" LENS		SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG		METER BASE
	TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS		SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG		SEPARATE LIGHTING & SIGNAL DISCONNECT SWITCHES
	PEDESTRIAN SIGNAL		RADAR DETECTION CABLE		FLASHER CABINET
	PEDESTRIAN PUSH BUTTON		POWER SOURCE		UNINTERRUPTIBLE POWER SUPPLY CABLE
	STOP LINE RADAR DETECTION UNIT		INTERCONNECT CABLE		

GENERAL PROVISIONS

The Contractor is advised that there are several changes to the most recent edition of the City of Cincinnati Supplement dated January 1, 2023. These General Provisions include these changes. The Supplement and a Summary of Changes can be purchased or downloaded from the City's website: <http://www.cincinnati-oh.gov/dates/assets/File/2023%20CITY%20SUPPLEMENT-FINAL.pdf>

Water main items are to be constructed in accordance with the provisions of the State of Ohio, Department of Transportation, Construction and Material Specifications, dated January 1, 2023, and modified by the City of Cincinnati Supplement to said State of Ohio Specifications, effective January 1, 2023, and any supplements or changes thereto. Copies of the State specifications are on file at the Office of Contract Sales of the State of Ohio, Department of Transportation, 1980 W. Broad St., Columbus, Ohio 43223, and at the offices of the City Engineer of Cincinnati, Ohio. Submittal of a bid for this project implies that the Contractor has taken all provisions of the Supplement into account.

The Greater Cincinnati Water Works (GCWW) understands that differing site conditions results in extra work/change orders to the project. Change orders on GCWW contracts will be done in strict accordance with Item 109.05 C of the State of Ohio Department of Transportation Construction and Material Specifications dated January 1, 2023 or most recent edition and as modified in this City of Cincinnati Supplement. GCWW limits the mark up on wages and fringe benefits as described in 109.05 C. 2. "Labor" to 30%. It is expressly understood that regardless of the nature of the claim, or change in scope of work, the Contractor is not entitled to compensation for loss of anticipated profit or production.

As defined in the City of Cincinnati Supplement, sections 107.07 and 107.071, the Contractor is required to submit, at the time of the pre-construction meeting, a Site Safety Plan. Furthermore, the Contractor shall have an authorized and competent safety representative assigned to the project site.

The Contractor is advised that he has certain responsibilities under Section 153.64 of The Ohio Revised Code. For all underground utilities, contact the Ohio Utilities Protection Service at 1-800-362-2764 (toll free) 48 hours in advance of work. The Contractor is advised that all utility information has been shown on the contract plans from information provided by the owner of each utility in compliance with Sec. 153.64 of the Ohio Revised Code. In cases where utility information is incorrect and it results in a change in the contract plans the Contractor shall first notify the owner of the utility to determine the necessary course of action. The Contractor shall submit any subsequent claims as a result of downtime or additional work to the owner of the conflicting utility. The GCWW will not accept claims for any utility other than those as a result of incorrect water main and related appurtenance information.

The Contractor must locate or "pat hole" all utilities within the alignment of the proposed main a minimum of 50 feet ahead of pipe laying. Test holes must be dug, or trench excavated, a minimum of 50 feet (15.2 m) in advance of pipe laying, to assure proper clearance between the water main and any utility crossing, or underground structure. All utilities and structures shall be suitably braced and supported. The Contractor shall understand that any obstructions encountered in the installation of the main, due to the failure of having 50 feet (15.2m) of trench excavated ahead of laying operations, may require removal and relaying of the pipe at the contractors expense. The GCWW will not accept a claim for different utility conditions encountered when test holes are not performed as required.

Item 1120, "Exploratory Excavation", shall not include excavations within the limits of the proposed trench as defined in 1101.04 and 1101.05. Test holes are required on all utilities within 50 feet of the last laid pipe. Test holes within the alignment of the proposed trench are included in the Contractor's unit bid for Item 1101. Locations to be explored will vary from areas within the roadway to areas outside of the roadway.

It is the nature of construction that unmarked utilities or utilities not shown on the plans may be encountered within the excavation for the proposed work. The contractor is responsible for identifying all utilities encountered within the excavation and removing any abandoned utilities as necessary for the work. If abandoned utilities are encountered that are shown on the plans, are crossing the trench, or do not impede the excavation; no extra payment will be made to the contractor. Such work shall be included in the contractor's unit price bid for the appropriate "Item 1101 Furnishing & Laying Pipe and Fittings". If abandoned utilities are encountered that are not shown on the plans, are along the length of the trench, and impede the excavation, such work will be paid via the contractor's unit price for "Item 202 Existing Pipe Removal".

Street pavement or sidewalk should not be disturbed for a distance of more than 200 Feet (61.0 m) ahead of the last laid pipe. Backfill shall be completed within 50 feet (15.2 m) of the last laid pipe. Temporary or permanent surface restoration must be installed within a distance of 200 feet (61.0 m) of the laid pipe, including those areas where main installations occur within a closed lane or closed street condition. Roadway plates may be used as a temporary measure for a period not to exceed 24 hours without the approval of the GCWW.

Any undermined pavement of more than 6 inches horizontal must be removed prior to starting trench backfill. If undermining of pavement occurs more than 1 foot, then pavement must be shored to protect traffic, or arrangements made for additional lane closures must be made. If problems continue to occur regarding trenching integrity, sheeting and bracing can be required by the City Engineer or the City Engineer's representative, at the contractor's expense. If any tunneling is necessary, adequate information shown in both plan and profile and tunneling procedures must be submitted to the City Engineer's Office prior to commencement of work.

The GCWW has made every effort to depict the pipe sewers and lateral information on the plans. The Contractor is advised that sewer laterals are shown in plan view only. The Contractor shall determine the elevation of the sewer laterals in advance of laying the water main at these crossings. If the sewer laterals require changing in order to avoid conflict with the water main, or if the Contractor encounters a pipe sewer or lateral in the excavation that was not shown on the plans and requires a change of grade or alignment due to the installation of the water main, the Contractor shall furnish all necessary labor, material, tools, and equipment required to change the grade or alignment of pipe sewers and laterals of various sizes, allowing installation of water mains and appurtenances as shown on the plans, or as directed by the GCWW Inspector. This work shall include all necessary excavation, backfill, and restoration. The Contractor will be compensated under Item 1123, "Changing Pipe Sewers 8 Inch and Under". When crossing sanitary and combination sewers, a vertical clearance of 18" must be maintained.

Notice of Confidentiality – Public Infrastructure Record

This Document is a Public Infrastructure Record of the City of Cincinnati and its Greater Cincinnati Water Works, and is not subject to the public disclosure requirements of the public records laws of the State of Ohio and federal government. This Document is being provided on the basis of your reported need, and shall be considered confidential. By accepting this Document, you agree that it will not be shared or otherwise disclosed to anyone other than persons who have a direct need to know for the sole purpose of carrying out the project for which this Document was obtained. Anyone receiving this Document is bound by the same confidentiality requirements and must take precautions to protect against its dissemination.

The failure to observe the confidentiality requirements of this Notice shall serve as the basis for the City of Cincinnati to immediately seek legal recourse, including the recovery of actual damages resulting from unauthorized access or disclosure of the Document.



The Contractor is advised that due to the alignment of the proposed water main, it may be necessary to install a temporary valve box over an existing chambered valve that must remain in service during the water main installation as directed by the GCWW Inspector. The chamber shall be abandoned, a valve box (furnished by the contractor) placed over the valve, and upon project completion, the valve box must be removed. The contractor will not receive additional compensation for this work, but should include the cost of this work in his unit bid price for Item 1101, "Furnishing & Laying Ductile Iron Pipe and Fittings".

It is the Contractor's responsibility to provide adequate water supply for domestic and fire fighting purposes. In order to accomplish the water main connections with a minimum amount of inconvenience to the consumers, it may be necessary to do the work at other than normal working hours or as may be scheduled by the GCWW.

The Contractor is advised that the operating pressure of the existing water main within the limits of the subject project is approximately **50-60 P.S.I.**

In order to minimize the inconvenience of the consumers, the number of shutdowns required to do the proposed water main work shall be limited. Only one shutdown, limited to 8 hours, will be allowed during a 24 hour period.

All water service branches have a minimum cover of 3.0 feet.

The Contractor is advised that it shall be necessary to install temporary Plug/caps on the existing and proposed water mains in order to maintain service during testing and water main and branch connections. These temporary Plug shall be furnished by the contractor. He is responsible for their proper installation. The cost for this work shall be included in the Contractor's unit bid price for the appropriate Item 1101, "Furnishing & Laying Ductile Iron Pipe and Fittings".

The Contractor is required to excavate and expose the existing utilities and existing water mains along the line of the proposed water main and all proposed connection points to verify location, diameter, line and grade. Also, if the removal of the bulkhead or plug is required all excavation and temporary/permanent restoration shall be compensated under the Contractor's unit bid price for Item 1101, "Furnishing & Laying Ductile Iron Pipe and Fittings".

The Contractor is advised that all C.J. Plug are to be restrained with a Field Lok Gasket and all M.J. caps are to be restrained using a M.J.R.G.. This includes temporary Plug and caps for testing purposes. When a temporary plug is used, the contractor is permitted to remove the plug by cutting the section of pipe containing the plug and using a solid sleeve at that point to complete the tie-in. In the event that a cap is used, the contractor shall remove the M.J.R.G. and cap before completing the tie-in.

The Contractor is advised that on any fire hydrant required to be relocated with this project, all bolt assemblies shall be replaced. The cost for this work shall be included in the unit bid price for Item 1113 "Relocating Existing Fire Hydrants". No part of any fire hydrant setting shall be installed closer than five feet to any driveway, inlet, utility pole or guy wire anchor. No part of any fire hydrant setting shall be installed closer than five feet to any driveway, inlet, utility pole or guy wire anchor. Contractor shall provide all labor, material, equipment and traffic control to test fire flow on all fire hydrants included in this water main replacement project in accordance with the fire hydrant flow testing scope included with the bid documents. If necessary, existing adjacent hydrants may need to be included in the fire hydrant testing. The need to test existing hydrants will be determined by the GCWW inspector.

Item 1111, "Water Works Valve Chambers", shall also cover the furnishing and installing of Precast Reinforced Concrete Chambers in accordance with O.D.O.T. Specification 706.13. All pertinent provisions of this item and GCWW Standard Drawing No. 104-1A shall apply. Precast chambers shall be used in all locations where space permits and as directed by the GCWW.

Air cocks may be necessary for the proper operation of the water system. The Air Release Assembly, which may not be shown on the drawing, will be furnished and installed by the Contractor per the detail on these plans, if required by the GCWW.

It shall be the Contractor's responsibility to arrange for the removal and replacement of any poles and guys necessary for the installation of the proposed water mains, and any cost connected thereto shall be at his expense.

All pipe and specials shall be in accordance with City of Cincinnati Specification 40-110-16.

All procured water main and appurtenance materials, other than those furnished through the GCWW must be properly certified; certified for GCWW Inspection; or already inspected by the GCWW. Pipe, fittings, valves and fire hydrants must be GCWW inspected and stamped materials.

The Contractor should be advised that all Fittings (Bends, Offset Bends, Tees, Crosses, Sleeves, Caps and Plug) supplied for this job may be either ANSI/AWWA C-110 Full-body Ductile Iron, Cement Lined Fittings or ANSI/AWWA C-153 Compact Ductile Iron, Fusion Bonded Epoxy Coated Fittings in accordance with City of Cincinnati, Department of Purchasing, Standard Specification No. 40-110-12 for Pipe and Fittings Water, Ductile Iron 3" to 60". All fittings are subject to inspection and approval by appropriate GCWW Inspection personnel. Minor pinholes and abrasions to epoxy coated valves and fittings are to be repaired using 3M Hot Melt Patch Compounds (H.M.P.C.) in the stick form. Repair procedures shall be in accordance with the General Application Steps identified for the H.M.P.C. All repairs to epoxy coated fittings are subject to inspection and approval by appropriate GCWW Inspection personnel.

All rejected material, including pipe and fittings, shall be removed from the project site immediately.

The Contractor must maintain access to sidewalks at all times. Storage of any materials within the public Right of Way, including sidewalks, is not permitted unless approved by GCWW, the Project Engineer, or as indicated on the approved plans.

All copper tubing shall be type "K" of a standard nominal size: 3/4", 1", 1-1/2" and 2". All fittings will have copper flare type connections and shall be in accordance with City of Cincinnati Specification No. 40-113-05.

The contractor shall furnish the necessary certifications for branch material.

All proposed water mains will be hydrostatically tested for leakage in accordance with 1101.054, "Hydrostatic Test for Leakage", of the appropriate Item 1101, "Furnishing & Laying Ductile Iron Pipe and Fittings".

The Contractor will be responsible for filling, flushing, and pressure testing new water mains, 20" or smaller. The contractor will provide all labor, material and equipment (including the necessary pumps to apply the pressure test). The Water Works will provide the necessary meter and gauge. All costs for this work shall be included in the contractor's unit bid price for Item 1101, "Furnishing & Laying Ductile Iron Pipe and Fittings". Once the filling and pressure testing are completed, the Contractor will be responsible for flushing the proposed water main and the GCWW will be responsible for bacteria sampling. The GCWW will be responsible for filling, pressure testing and flushing new water mains greater than 20".

The Contractor is responsible for all pipe sewers disturbed in the completion of this project. In the event it becomes necessary to repair or replace existing pipe sewers, the Contractor must notify Sewer Maintenance, (513)244-1369, before proceeding with the work.

The Contractor is advised that his unit bid prices for the appropriate Item 1101, "Furnish & Install Pipe and Fittings", includes final restoration of all disturbed surfaces. The GCWW will not make full compensation under Item 1101 until final restoration is complete.

"All valve and air release box assemblies shall be domestically manufactured.

All box assemblies for 12-inch and smaller gate valves and 1-inch air releases shall be either Tyler Union Series 6850, EJ Series 8500, or Bingham & Taylor Series 4905, or GCWW approved equal. Box assemblies for these applications require a frost plug and "BOXLOK."

All box assemblies for 16-inch and above butterfly or gate valves and 2-inch air releases shall be EJ Series 460, or GCWW approved equal. Box assemblies for these applications require a frost plug.

All costs associated with adherence to these requirements shall be included in the Contractor's unit bid price for Item 1116 - Furnishing and Installing Valve Box Complete.

SUGGESTED BILL OF MATERIAL

FURNISHED BY CONTRACTOR

2	EACH	6" Ductile Iron Pipe, C.J. Th. Cl. 55, 20' Lengths
2	EACH	8" Ductile Iron Pipe, C.J. Th. Cl. 55, 20' Lengths
14	EACH	16" Ductile Iron Pipe, C.J. Th. Cl. 56, 20' Lengths
3	EACH	Polyethylene Flattened Tube, 4 Mil Thickness Cross-Laminate 16" Wide x 20' Long
3	EACH	Polyethylene Flattened Tube, 4 Mil Thickness Cross-Laminate 20" Wide x 20' Long
16	EACH	Polyethylene Flattened Tube, 4 Mil Thickness Cross-Laminate 34" Wide x 20' Long
4	EACH	Rolls Polyethylene Tape w/Adhesive 1 1/2" Width, 100' Length
1	EACH	8" 22.5' Bend, 2MJ
1	EACH	8" 45' Bend, 2MJ
10	EACH	16" 45' Bend, 2MJ
1	EACH	6" Cap, MJ (Temporary)
2	EACH	16" Cap, MJ (Temporary)
1	EACH	6" Plug, MJ (Temporary)
1	EACH	6" Plug, MJ (Permanent)
1	EACH	8" Solid Sleeve, 2MJ
3	EACH	16" Solid Sleeve, 2MJ
1	EACH	16" Transition Pipe Coupling
1	EACH	16" x 6" Tee, 2MJ x Fig.
1	EACH	16" x 8" Tee, 3MJ
1	EACH	6" Valve, Fig. x MJ
1	EACH	6" Flange Tyte Rubber Gasket
3	EACH	Valve Box Complete
3	EACH	Valve Box Frost Plug
3	EACH	Valve Box Box Lok
1	EACH	6" Fire Hydrant Extension (6" Long)
1	EACH	6" Fire Hydrant Extension (24" Long)
4	EACH	6" M.J.R.G.
8	EACH	8" M.J.R.G.
34	EACH	16" M.J.R.G.
8	EACH	16" Field Lok Gasket

FURNISHED BY GCWW

1	EACH	16" Valve, 2MJ
---	------	----------------

FURNISHED BY SILVERTON

1	EACH	6" Fire Hydrant, MJ
---	------	---------------------

SERVICE BRANCH MATERIAL

(FURNISHED BY CONTRACTOR)

205	LIN FT	3/4" Copper Service Pipe (w/Aquashield)
33	LIN FT	1" Copper Service Pipe (w/Aquashield)
83	LIN FT	1.5" Copper Service Pipe (w/Aquashield)
15	LIN FT	2" Copper Service Pipe (w/Aquashield)
2	EACH	3/4" Ferrule
1	EACH	1.5" Ferrule
6	EACH	3/4" Insulating Coupling
1	EACH	1" Insulating Coupling
2	EACH	1.5" Insulating Coupling
1	EACH	2" Insulating Coupling
2	EACH	3/4" x 5/8" Copper to Lead Coupling
6	EACH	3/4" Stop Cock
1	EACH	1" Stop Cock
2	EACH	1.5" Stop Cock
1	EACH	2" Stop Cock
7	EACH	Curb Box
3	EACH	Roadway Box

AIR RELEASE MATERIAL

(FURNISHED BY CONTRACTOR)

2	EACH	Valve Box Complete
2	EACH	Valve Box Frost Plug
2	EACH	2" Ferrule
8	LIN. FT.	2" Copper Service Pipe
2	EACH	2" Blow Off Ball Valve Assembly


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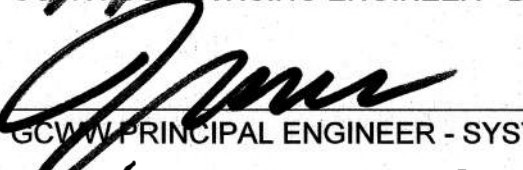
GCWW plans updated to remove work on Montgomery Rd and updated materials list

PLAINFIELD RD. AT MONTGOMERY RD. STIMP


APPROVED: **WW004683 / 4-4181 / MF-17058**


GCWW SUPERVISING ENGINEER - DESIGN

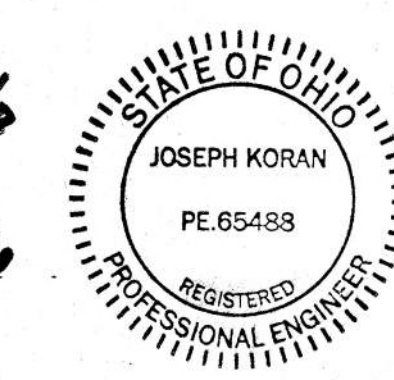
3/17/26
DATE



GCWW PRINCIPAL ENGINEER - SYSTEM FACILITIES

3/18/26
DATE


GCWW CHIEF ENGINEER

3/19/26
DATE






Ohio Environmental Protection Agency "Self-Certification" letter required prior to the start of construction.

OEPA CERTIFICATION EXEMPT

NON - EXEMPT


OEPA REVIEW

3/17/26
DATE

4-4181
 WW004683
 MF-17058
 SUGGESTED BILL OF MATERIAL
 G.C.W.W. SPECIAL PROVISIONS
 GREATER CINCINNATI WATER WORKS
 ENGINEERING DIVISION/DESIGN SECTION
 3815 EASTERN AVENUE, CINCINNATI, OHIO 45226
 HORIZONTAL AND VERTICAL SCALE IN FEET
 0 10 20
 CALCULATED
 REVISIONS
 4/28/26
 No Longer Replacing Main on Montgomery Rd. (Sheet 04)
 E.G.B.
 CHECKED
 D.L.
 SUGGESTED BILL OF MATERIAL
 G.C.W.W. SPECIAL PROVISIONS
 01
 09
 PLAINFIELD RD. AT MONTGOMERY RD. STIMP

GENERAL SUMMARY						
ODOT ITEM	PROJECT COST	GCWW COST	TOTAL QUANTITY	UNITS	DESCRIPTION	GCWW SPEC. NUMBER
SPECIAL	15	21	36	LIN. FT.	FURNISHING AND LAYING 6" DUCTILE IRON PIPE AND FITTINGS (CIN. 1101)	1101
SPECIAL	0	27	27	LIN. FT.	FURNISHING AND LAYING 8" DUCTILE IRON PIPE AND FITTINGS (CIN. 1101)	1101
SPECIAL	30	255	285	LIN. FT.	FURNISHING AND LAYING 16" DUCTILE IRON PIPE AND FITTINGS (CIN. 1101)	1101
SPECIAL	0	1	1	TON	HAULING WATER WORKS MATERIAL (CIN. 1102)	1102
SPECIAL	8	9	17	CU. YD.	CONCRETE, CLASS C (CIN. 1110)	1110
SPECIAL	0	3	3	EACH	FIRE HYDRANT FLOW TESTING (NEW) (CIN. 1112)	1112
SPECIAL	0	1	1	EACH	*FIRE HYDRANT FLOW TESTING (EXISTING) (CIN. 1112)	1112
SPECIAL	1	1	2	EACH	RELOCATING EXISTING FIRE HYDRANT (CIN. 1113)	1113
SPECIAL	1	0	1	EACH	FURNISHING AND INSTALLING FIRE HYDRANT EXTENSION, 6" LONG (CIN. 1115)	1115
SPECIAL	0	1	1	EACH	FURNISHING AND INSTALLING FIRE HYDRANT EXTENSION, 24" LONG (CIN. 1115)	1115
SPECIAL	1	2	3	EACH	FURNISHING AND INSTALLING VALVE BOX, COMPLETE (CIN. 1116)	1116
SPECIAL	0	2	2	EACH	FURNISHING AND INSTALLING VALVE BOX W/2" AIR RELEASE COMPLETE (CIN. 1116)	1116
SPECIAL	5	5	10	CU. YD.	*ADDITIONAL EXCAVATION (CIN. 1119)	1119
SPECIAL	5	5	10	CU. YD.	*EXPLORATORY EXCAVATION (CIN. 1120)	1120
SPECIAL	0	4	4	EACH	REMOVING EXISTING VALVE BOX (CIN. 1122)	1122
SPECIAL	5	5	10	LIN. FT.	*CHANGING 8" AND UNDER PIPE SEWER (CIN. 1123)	1123
SPECIAL	5	5	10	LIN. FT.	*CHANGING 10" THRU 24" PIPE SEWER (CIN. 1123)	1123
SPECIAL	64	0	64	EACH	RESETTING EXISTING VALVE BOX, COMPLETE (CIN. 1125)	1125
SPECIAL	171	34	205	LIN. FT.	FURNISHING AND INSTALLING 3/4" COPPER SERVICE PIPE W/ AQUA SHIELD (CIN. 1126)	1126
SPECIAL	33	0	33	LIN. FT.	FURNISHING AND INSTALLING 1" COPPER SERVICE PIPE W/ AQUA SHIELD (CIN. 1126)	1126
SPECIAL	73	16	89	LIN. FT.	FURNISHING AND INSTALLING 1-1/2" COPPER SERVICE PIPE W/ AQUA SHIELD (CIN. 1126)	1126
SPECIAL	15	0	15	LIN. FT.	FURNISHING AND INSTALLING 2" COPPER SERVICE PIPE W/ AQUA SHIELD (CIN. 1126)	1126
SPECIAL	0	2	2	BRANCH	LEAD SERVICE LINE REPLACEMENT (CIN. 1126)	1126
SPECIAL	9	3	12	EACH	FURNISHING AND INSTALLING CURB AND ROADWAY BOX (RENEW) (CIN. 1131)	1131
SPECIAL	0	7	7	EACH	*FURNISHING AND INSTALLING CURB AND ROADWAY BOX (CIN. 1131)	1131
SPECIAL	25	0	25	EACH	RESETTING EXISTING CURB AND ROADWAY BOX (CIN. 1132)	1132
SPECIAL	1	0	1	EACH	RESETTING EXISTING 5/8" FROST-PROOF METER SETTING (CIN. 1135)	1135
SPECIAL	1	0	1	EACH	REMOVING CURB AND ROADWAY BOX (CIN. 1138)	1138
202	0	50	50	LIN. FT.	*EXISTING PIPE REMOVAL (CIN. 202)	202
509	928	1054	1982	POUND	REINFORCING STEEL	509
602	1	1	2	CU. YD.	*BRICK MASONRY	602
SPECIAL	3	0	3	EACH	ADJUST EXISTING VALVE CHAMBER TO GRADE (CIN. 604)	604
SPECIAL	1	1	2	MBF	*SHEETING AND BRACING ORDERED LEFT IN PLACE	637
* CONTINGENCY						

Materials list updated

NOTICE OF CONFIDENTIALITY - PUBLIC INFRASTRUCTURE RECORD

THIS DOCUMENT IS A PUBLIC INFRASTRUCTURE RECORD OF THE CITY OF CINCINNATI AND ITS GREATER CINCINNATI WATER WORKS, AND IS NOT SUBJECT TO THE PUBLIC DISCLOSURE REQUIREMENTS OF THE PUBLIC RECORDS LAWS OF THE STATE OF OHIO AND FEDERAL GOVERNMENT. THIS DOCUMENT IS BEING PROVIDED ON THE BASIS OF YOUR REPORTED NEED, AND SHALL BE CONSIDERED CONFIDENTIAL. BY ACCEPTING THIS DOCUMENT, YOU AGREE THAT IT WILL NOT BE SHARED OR OTHERWISE DISCLOSED TO ANYONE OTHER THAN PERSONS WHO HAVE A DIRECT NEED TO KNOW FOR THE SOLE PURPOSE OF CARRYING OUT THE PROJECT FOR WHICH THIS DOCUMENT WAS OBTAINED. ANYONE RECEIVING THIS DOCUMENT IS BOUND BY THE SAME CONFIDENTIALITY REQUIREMENTS AND MUST TAKE PRECAUTIONS TO PROTECT AGAINST ITS DISSEMINATION.

THE FAILURE TO OBSERVE THE CONFIDENTIALITY REQUIREMENTS OF THIS NOTICE SHALL SERVE AS THE BASIS FOR THE CITY OF CINCINNATI TO IMMEDIATELY SEEK LEGAL RECOURSE, INCLUDING THE RECOVERY OF ACTUAL DAMAGES RESULTING FROM UNAUTHORIZED ACCESS OR DISCLOSURE OF THE DOCUMENT.



CALCULATED
E.G.B.
CHECKED
D.L.

REVISIONS

GREATER CINCINNATI
WATER WORKS
ENGINEERING DIVISION / DESIGN SECTION
3845 EASTERN AVENUE, CINCINNATI, OHIO 45226



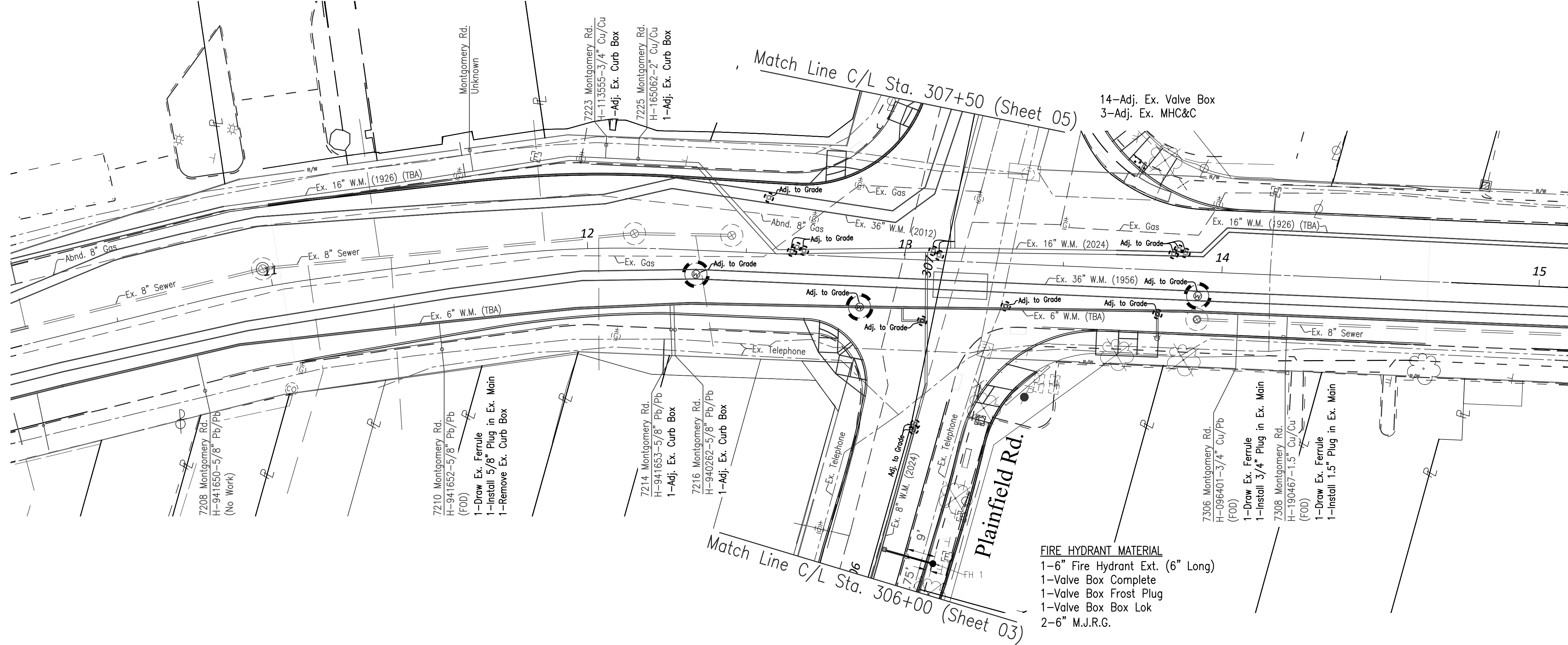
ODOT GENERAL SUMMARY

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WW004683
MF-17058

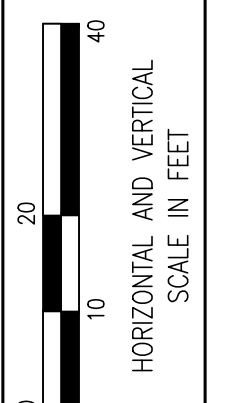
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PLAINFIELD RD. AT MONTGOMERY RD. STIMP

Montgomery Rd.

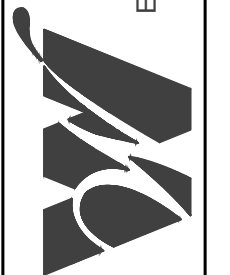


Work removed on
Montgomery Rd



REVISIONS	CALCULATED
4/28/26	E.G.B.
No Longer Replacing Main on Montgomery Rd.	CHECKED
	D.L.

GREATER CINCINNATI
WATER WORKS
ENGINEERING DIVISION / DESIGN SECTION
3845 EASTERN AVENUE, CINCINNATI, OHIO 45226



MONTGOMERY RD. PLAN AND PROFILE

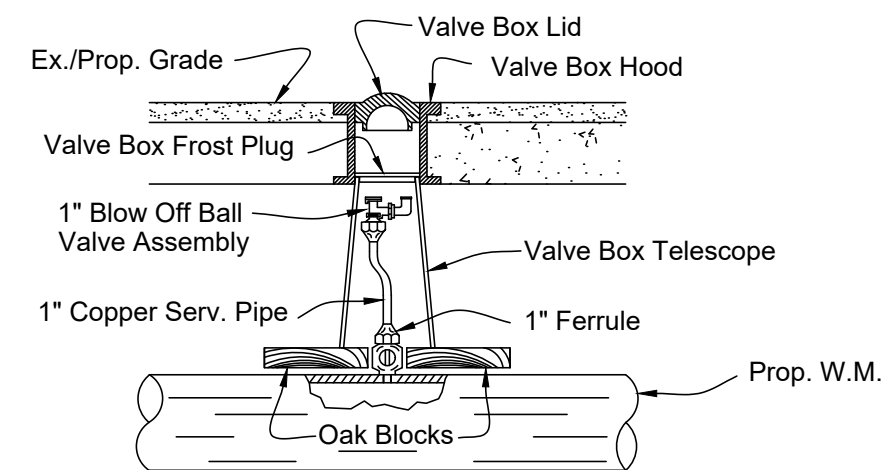
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1" AIR RELEASE ASSEMBLY DETAIL

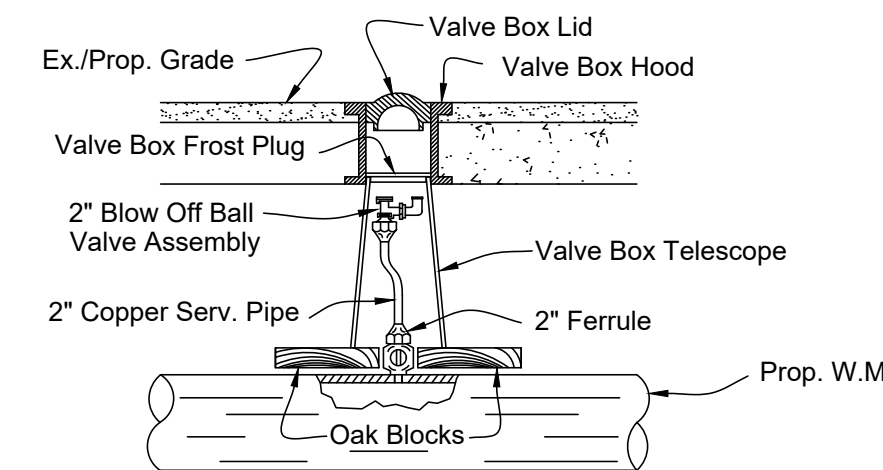


NOTE: AIR RELEASE MUST BE 15" - 19" BELOW FINAL GRADE

- 1 - VALVE BOX COMPLETE
- 1 - VALVE BOX FROST PLUG
- 1 - 1" FERRULE
- 4 - L.F. +/- 1" COPPER SERVICE PIPE (LENGTH VARIES DEPENDING ON WM DEPTH)
- 1 - 1"x1 3/4" BLOW-OFF BALL VALVE ASSEMBLY (A.Y. McDONALD PART #76109BCAP)

NOTE: ALL COST FOR MATERIAL AND LABOR SHALL BE INCLUDED IN THE CONTRACTOR UNIT BID UNDER ITEM 1116 "FURNISH AND INSTALL 1" AIR RELEASE WITH VALVE BOX"

2" AIR RELEASE ASSEMBLY DETAIL

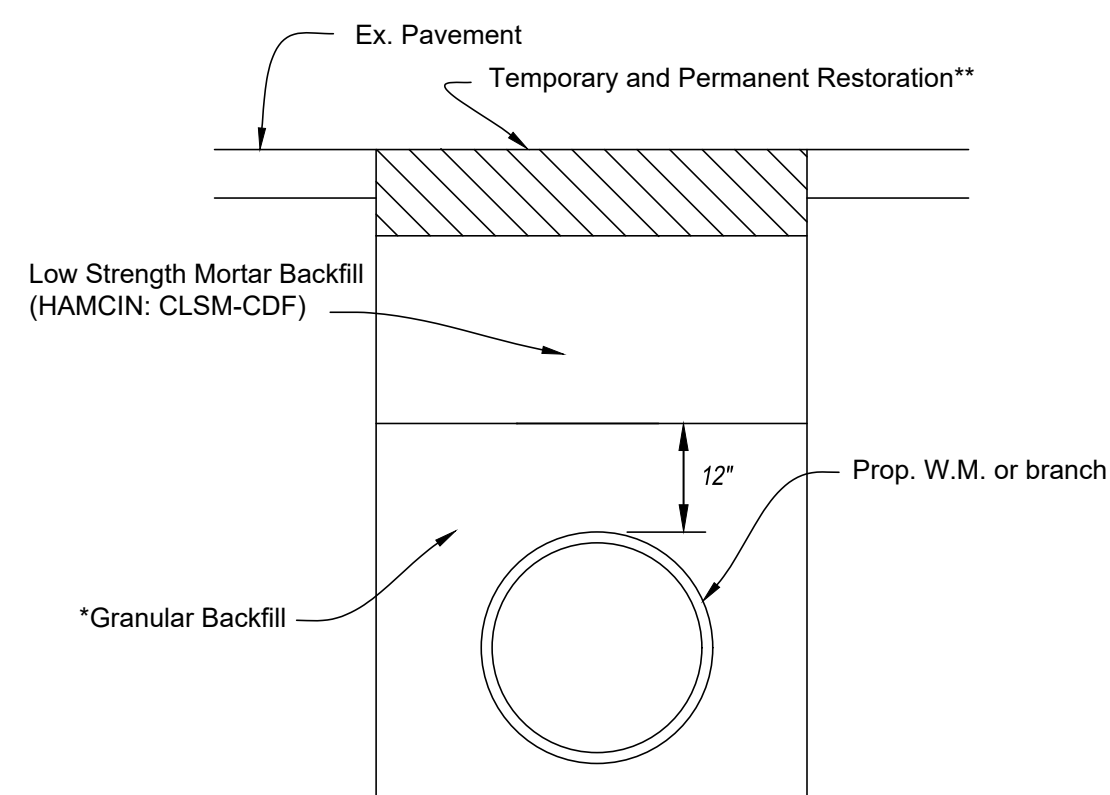


NOTE: AIR RELEASE MUST BE 15" - 19" BELOW FINAL GRADE

- 1 - VALVE BOX COMPLETE
- 1 - VALVE BOX FROST PLUG
- 1 - 2" FERRULE
- 4 - L.F. +/- 2" COPPER SERVICE PIPE (LENGTH VARIES DEPENDING ON WM DEPTH)
- 1 - 2"x1-1/2"x2" BLOW-OFF BALL VALVE ASSEMBLY (A.Y. McDONALD PART #76109BCAP)

NOTE: ALL COST FOR MATERIAL AND LABOR SHALL BE INCLUDED IN THE CONTRACTOR UNIT BID UNDER ITEM 1116 "FURNISH AND INSTALL 2" AIR RELEASE WITH VALVE BOX"

STANDARD WATER MAIN TRENCH INSTALLATION DETAIL



**TEMPORARY AND PERMANENT RESTORATION SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS AND/OR PROJECT PLAN TYPICAL SECTIONS. (MATCH THE "STORM SEWER TRENCH RESTORATION.")

IN AREAS WHERE THE PAVEMENT, BASE AND/OR SUB-BASE IS TO BE REPLACED AS PART OF THE ROADWAY CONTRACT, THE COST FOR PERMANENT PAVEMENT RESTORATION SHALL BE INCLUDED UNDER THE APPROPRIATE PAVEMENT BID ITEMS. COST FOR TEMPORARY PAVEMENT RESTORATION IN THESE AREAS SHALL BE INCLUDED IN THE CONTRACTOR'S APPROPRIATE UNIT BID PRICE FOR ITEM 1101 OR ITEM 1126.

UNLESS OTHERWISE NOTED ON THE PLANS, AREAS WHERE THE EXISTING PAVEMENT, BASE AND/OR SUB-BASE ARE NOT TO BE DISTURBED, THE COST FOR TEMPORARY AND PERMANENT PAVEMENT RESTORATION SHALL BE INCLUDED IN THE CONTRACTOR'S APPROPRIATE UNIT BID PRICE FOR ITEM 1101 OR ITEM 1126.

*BACKFILL OF THE WATER MAIN AND BRANCH TRENCH SHALL BE DONE IN ACCORDANCE WITH G.C.W.W. SPECIFICATIONS. ALL WATER MAINS AND BRANCHES INSTALLED OUTSIDE OF THE PAVEMENT AREA SHALL UTILIZE GRANULAR BACKFILL IN LIEU OF THE CONTROL DENSITY FILL. ALL COSTS FOR BACKFILL SHALL BE INCLUDED UNDER ITEM 1101, "FURNISHING AND INSTALLING DUCTILE IRON PIPE AND FITTINGS".

CONTROLLED DENSITY FILL MUST MEET BOTH HAMCIN: CLSM-CDF PERFORMANCE SPECIFICATION AND O.D.O.T. SPECIFICATION. ALL FLOWABLE FILL PRODUCTS SHALL MEET THE REQUIREMENTS OF THE CURRENT HAMCIN CLSM-CDF BACKFILL SPECIFICATION (DATED MARCH 2015). COPIES OF THE HAMCIN CLSM-CDF BACKFILL SPECIFICATION ARE MADE AVAILABLE AT THE GCWW ENGINEERING OFFICES AT 4747 SPRING GROVE AVENUE, CINCINNATI DEPARTMENT OF TRANSPORTATION & ENGINEERING AT 801 PLUM STREET, OR THEIR WEBSITE: [HTTP://WWW.CINCINNATI-OH.GOV/DOTE-MANUALS-PERMITS-SUPPLEMENTS/](http://www.cincinnati-oh.gov/dote-manuals-permits-supplements/) ALSO, THE CONTRACTOR SHALL SUBMIT, PRIOR TO THE START OF CONSTRUCTION, THE NECESSARY DOCUMENTATION FOR REVIEW AND APPROVAL BY THE GCWW.

PLEASE NOTE THAT THE G.C.W.W. REQUIREMENT IS IN ADDITION TO HAMCIN SPECIFICATIONS FOR FLOWABLE FILL PRODUCTS. A COPY OF THE G.C.W.W. REQUIREMENT IS AVAILABLE AT THE G.C.W.W. ENGINEERING OFFICE LOCATED AT 4747 SPRING GROVE AVENUE. CONTACT THE SUPERVISOR OF INSPECTION AT 591-7870.

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT THE NECESSARY CONTROLLED DENSITY FILL COMPLIANCE DOCUMENTATION FOR REVIEW AND APPROVAL BY THE G.C.W.W.

GCWW NOTE: ALL FIELD LAYOUT OF WATER MAIN PIPE AND SPECIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED BY A LICENSED SURVEYOR.

GCWW LEAD NOTES

ITEM 1126 - PRIVATE SIDE LEAD SERVICE LINE REPLACEMENT, EACH

THIS ITEM COVERS THE REPLACEMENT OF THE PRIVATELY-OWNED PORTION OF THE SERVICE LINE FROM THE PROPERTY LINE (OTHERWISE KNOWN AS THE RIGHT-OF-WAY LINE) TO THE BUILDING, REGARDLESS OF WHERE THE CURB BOX IS CURRENTLY LOCATED OR WHERE IT IS SHOWN AS PROPOSED IN THE PLANS. PERFORMANCE OF PRIVATE SIDE LEAD SERVICE LINE REPLACEMENT (PSLSLR) IS CONTINGENT UPON GCWW REACHING AGREEMENTS WITH INDIVIDUAL PROPERTY OWNERS PRIOR TO PERFORMING THE WORK. IF NO AGREEMENT IS MADE, CONTRACTOR SHALL PERFORM THE PUBLIC SIDE WORK ACCORDING TO THE PLANS AND WILL BE COMPENSATED FOR THIS WORK VIA THE PUBLIC SIDE BID ITEMS. **NO COMPENSATION WILL BE PROVIDED FOR ELIMINATION OF THE PSLSLR BID ITEMS.** IF A PSLSLR AGREEMENT IS MADE, THE CONTRACTOR SHALL COORDINATE WITH GCWW INSPECTION TO DETERMINE FINAL CURB BOX LOCATIONS AND ANY RESULTING CHANGES IN MATERIALS.

A BID ITEM AT THE LISTED ADDRESS IS INDICATION THAT GCWW RECORDS SHOW THAT THE PRIVATE PORTION OF THE SERVICE LINE CONTAINS LEAD, WHICH MAY BE DIFFERENT THAN THE PUBLIC SIDE.

ALTHOUGH THE COST OF THE SERVICE LINE IS SPLIT BETWEEN THE PUBLIC SIDE AND PRIVATE SIDE, THE INTENT OF THE DESIGN IS TO INSTALL ONE CONTINUOUS SERVICE LINE FROM THE BUILDING TO THE CURB BOX, TO THE EXTENT POSSIBLE. IF THE EXISTING CURB BOX IS LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY, THE PORTION OF THE SERVICE LINE BETWEEN THE PROPERTY LINE AND CURB BOX SHALL BE REPLACED ALONG WITH THE PSLSLR, BUT THE COST FOR THIS PIECE WILL BE PAID UNDER THE STANDARD BID ITEM 1126.

CONTRACTOR MUST FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO COMPLETE PSLSLR. ALL WORK SHALL BE INSTALLED ACCORDING TO GCWW RULES & REGULATIONS, AND NOTES PROVIDED BELOW. PAYMENT IS FULL COMPENSATION FOR ALL WORK INVOLVED IN THE PSLSLR, AND RESTORATION OF PRIVATE PROPERTY AS DESCRIBED BELOW. DEPARTMENT OF ECONOMIC INCLUSION GOALS SET FORTH BY THE CITY OF CINCINNATI DO NOT APPLY TO THE BID ITEM FOR PSLSLR WORK.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:

- * PRIOR TO COMMENCING THE WORK, PLUMBER SHALL INSPECT THE EXISTING PRIVATE SERVICE LINE AT THE CURB STOP AND THE METER. IF THE PLUMBER DETERMINES THAT THE EXISTING SERVICE LINE IS COPPER AT BOTH LOCATIONS, PLUMBER SHALL CONTACT GCWW PROJECT MANAGER, AND IF CONFIRMED BY GCWW, THE WORK SHALL TERMINATE. IF THE CITY AND PLUMBER DETERMINES THAT THE EXISTING SERVICE LINE IS LEAD, BRASS, GALVANIZED STEEL OR OTHER NON-LEAD FREE MATERIAL, PLUMBER SHALL CONTINUE WITH THE REPLACEMENT WORK.
- * UTILIZE TRENCHLESS CONSTRUCTION METHODS (I.E. CABLE PULLING METHOD OR PIERCING/MISSILE METHOD) WHENEVER POSSIBLE TO INSTALL THE NEW COPPER SERVICE LINE. IF TRENCHLESS CONSTRUCTION METHODS ARE NOT POSSIBLE, THEN AN OPEN CUT TRENCH METHOD MAY BE PERFORMED.
- * LIMIT THE AREA OF DISTURBANCE ON PRIVATE PROPERTY TO THE MINIMAL AMOUNT AS PRACTICAL FOR ANY CONSTRUCTION METHOD USED.
- * INSTALL NEW TYPE-K COPPER SERVICE LINE, VARIOUS SIZE, FROM THE PROPERTY LINE TO APPROXIMATELY 6-INCHES BEYOND THE OUTLET VALVE OF THE METER SETTING IN THE BUILDING (OR IF EXTERIOR METER EXISTS, TO THE FIRST INTERIOR VALVE INSIDE THE BUILDING).
- * INSTALL A NEW METER SETTING ACCORDING TO GCWW RULES AND REGULATIONS.
- * IF AN INTERIOR ELECTRICAL GROUNDING SYSTEM IS ATTACHED TO THE LEAD SERVICE LINE BEING REPLACED, TEMPORARILY REMOVE THE SYSTEM AND REINSTALL AS REQUIRED UPON COMPLETION OF WORK.
- * PATCH ANY HOLE IN THE FOUNDATION FLOOR OR WALL THAT WAS REQUIRED TO INSTALL THE NEW COPPER SERVICE LINE.
- * BACKFILL ALL EXCAVATIONS ON PRIVATE PROPERTY WITH EXCAVATED SPOILS AND INCLUDE NO LESS THAN 4-INCHES OF TOPSOIL.
- * SEED AND STRAW ALL IMPACTED LAWN AREAS DURING THE GROWING SEASON.
- * RESTORE ANY HARD-PAVED SURFACE WITH ASPHALT/COLD PATCH.
- * CALL THE OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) AT LEAST 48-HOURS BEFORE ANY EXCAVATION IS PERFORMED. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE ALL UTILITIES WITHIN THE PROPOSED WORK AREA ON THE PRIVATE PROPERTY SIDE OF THE PSLSLR. THIS INCLUDES THE RESPONSIBILITY TO HIRE A 3RD PARTY UTILITY LOCATOR AS REQUIRED. ANY HIT LINES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE (AT THEIR COST) IN COMPLIANCE WITH UTILITY REQUIREMENTS.
- * POST ANY "NO PARKING" SIGNAGE THAT WILL BE NECESSARY TO PERFORM THE WORK.
- * PERFORM ALL WORK IN A MANNER WHICH WILL PREVENT WATER SERVICE OUTAGES LONGER THAN 8-HOURS. IF WATER SERVICE OUTAGE EXCEEDS 8 HOURS, CONTRACTOR MUST TEMPORARILY RETURN WATER SERVICE TO THE PROPERTY UNTIL THE NEXT DAY. ANY ARRANGEMENT TO PROVIDE TEMPORARY SERVICE TO A PROPERTY MUST BE APPROVED BY GCWW.
- * CONTRACTOR WILL NOT BE RESPONSIBLE FOR REMOVING OR REPLACING ANY EXTERIOR OBSTACLES, SUCH AS WALLS, FENCES, SCULPTURES, ORNAMENTS, FURNITURE, BRICK SIDEWALKS OR DRIVEWAYS. THESE OBSTACLES WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNERS UNLESS OTHERWISE AGREED UPON BY THE PROPERTY OWNER AND GCWW TO HAVE THE CONTRACTOR PERFORM THIS WORK. ADDITIONAL COSTS FOR REMOVAL AND REPLACEMENT OF THESE OBSTACLES BY THE CONTRACTOR WILL BE NEGOTIATED BY GCWW AS A CHANGE ORDER TO THIS WORK.
- * CONTRACTOR WILL NOT BE RESPONSIBLE FOR REMOVING OR REPLACING ANY INTERIOR OBSTACLES, SUCH AS FURNITURE, DRYWALL, PANELING, STORAGE ITEMS, ETC. THESE OBSTACLES WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNERS UNLESS OTHERWISE AGREED UPON BY THE PROPERTY OWNER AND GCWW TO HAVE THE CONTRACTOR PERFORM THIS WORK. ADDITIONAL COSTS FOR REMOVAL AND REPLACEMENT OF THESE OBSTACLES BY THE CONTRACTOR WILL BE NEGOTIATED BY GCWW AS A CHANGE ORDER TO THIS WORK.
- * COORDINATION OF THIS WORK WITH THE PROPERTY OWNERS WILL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT DISCUSS COST ISSUES WITH THE PROPERTY OWNER DIRECTLY, UNLESS SPECIFICALLY PERMITTED BY THE GCWW PROJECT MANAGER. GCWW SHALL RETAIN THE RIGHT TO BE PRESENT FOR ALL SITE DISCUSSIONS BETWEEN THE CONTRACTOR AND THE PROPERTY OWNER.

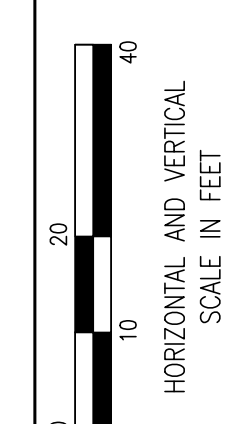
ITEM	UNIT	DESCRIPTION
1126	EACH	PRIVATE SIDE LEAD SERVICE LINE REPLACEMENT (ADDRESS)

NOTICE OF CONFIDENTIALITY - PUBLIC INFRASTRUCTURE RECORD

THIS DOCUMENT IS A PUBLIC INFRASTRUCTURE RECORD OF THE CITY OF CINCINNATI AND ITS GREATER CINCINNATI WATER WORKS, AND IS NOT SUBJECT TO THE PUBLIC DISCLOSURE REQUIREMENTS OF THE PUBLIC RECORDS LAWS OF THE STATE OF OHIO AND FEDERAL GOVERNMENT. THIS DOCUMENT IS BEING PROVIDED ON THE BASIS OF YOUR REPORTED NEED, AND SHALL BE CONSIDERED CONFIDENTIAL. BY ACCEPTING THIS DOCUMENT, YOU AGREE THAT IT WILL NOT BE SHARED OR OTHERWISE DISCLOSED TO ANYONE OTHER THAN PERSONS WHO HAVE A DIRECT NEED TO KNOW FOR THE SOLE PURPOSE OF CARRYING OUT THE PROJECT FOR WHICH THIS DOCUMENT WAS OBTAINED. ANYONE RECEIVING THIS DOCUMENT IS BOUND BY THE SAME CONFIDENTIALITY REQUIREMENTS AND MUST TAKE PRECAUTIONS TO PROTECT AGAINST ITS DISSEMINATION.

THE FAILURE TO OBSERVE THE CONFIDENTIALITY REQUIREMENTS OF THIS NOTICE SHALL SERVE AS THE BASIS FOR THE CITY OF CINCINNATI TO IMMEDIATELY SEEK LEGAL RECOURSE, INCLUDING THE RECOVERY OF ACTUAL DAMAGES RESULTING FROM UNAUTHORIZED ACCESS OR DISCLOSURE OF THE DOCUMENT.

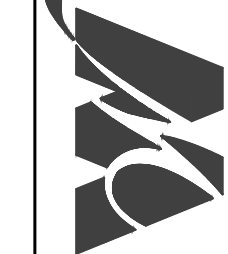
Details for Montgomery Rd removed



CALCULATED
E.G.B.
CHECKED
D.L.

REVISIONS

GREATER CINCINNATI
WATER WORKS
ENGINEERING DIVISION / DESIGN SECTION
3845 EASTERN AVENUE, CINCINNATI, OHIO 45226



PLAINFIELD RD. & BLUE ASH RD.
STANDARD DETAILS

4-4181
WW004683
MF-17058

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PLAINFIELD RD. AT MONTGOMERY RD. STIMP