

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AMERICAN ELECTRIC POWER CITY OF DELPHOS
 209 N. WOOD STREET 608 N. CANAL STREET
 FOSTORIA, OHIO 44830 DELPHOS, OHIO 45833
 PH: 419-998-5131 PH: 419-692-0991
 ATTN: TRENT SCHULTZ ATTN: TODD HAUNHORST
 ATTN: TODD TEMAN

CENTURY LINK DOMINION EAST OHIO GAS
 127 N. MAIN STREET 150 S. JACKSON STREET
 BELLEFONTAINE, OHIO 43311 LIMA, OHIO 45801
 PH: 419-576-7089 P.O. BOX 149
 ATTN: ERIC FLORY PH: 419-226-4829
 ATTN: BRIAN HOLDEN

CHARTER COMMUNICATIONS FORT JENNINGS TELEPHONE CO.
 3100 ELIDA ROAD 65 WEST THIRD STREET
 LIMA, OHIO 45805 FORT JENNINGS, OHIO 45844
 PH: 419-996-2249 PH: 419-286-2181
 ATTN: MARK RICHHART EMAIL: FJTC@BRIGHT.NET

PANHANDLE EASTERN PIPELINE
 (ENERGY TRANSFER)
 PH: 833-633-3769
 ATTN: PUBLIC PROJECTS
 EMAIL: ENCROACHMENTS@ENERGYTRANSFER.COM

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, THIS PROJECT MUST BE CONSTRUCTED IN ACCORDANCE WITH CONSTRUCTION NOISE ORDINANCES IN AFFECT FOR THE CITY OF DELPHOS. IF THE CONTRACTOR AND PROJECT ENGINEER DETERMINE THIS PROJECT CANNOT BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL CONSTRUCTION NOISE ORDINANCES, JAMES MEHAFFIE (SSD@CITYOFDELPHOS.COM PH:419-695-4010) MUST BE CONTACTED BY THE CONTRACTOR AT LEAST 48 HOURS IN ADVANCE OF THE WORK THAT WOULD VIOLATE THESE NOISE ORDINANCES. ADDITIONALLY, THE CONTRACTOR MUST ENSURE RESIDENTS/AND OR BUSINESS OWNERS WITHIN A 500-FOOT RADIUS OF THE CONSTRUCTION NOISE WILL BE NOTIFIED PRIOR TO COMMENCEMENT OF THE WORK IN VIOLATION OF THESE NOISE ORDINANCES.

CLEARING AND GRUBBING

A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:
 653, TOPSOIL 299 CU. YD.
 659, SEEDING AND MULCHING 2688 SQ. YD.
 659, COMMERCIAL FERTILIZER 1 TON
 659, WATER 8 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 203 EXCAVATION AND EMBANKMENT

EARTHWORK QUANTITIES ARE SHOWN BELOW:

STATION BEGIN	STATION END	SIDE	TOTAL CUT (CY)	TOTAL FILL (CY)
100+24	104+52	RT	67	9
104+85	108+06	RT	41	6
110+02	112+18	LT	29	3
200+13	203+58	RT/LT	52	11
400+25	404+40	RT	56	7
404+88	408+08	RT	55	8
404+31	404+48	RT	5	2
749+54	750+80	RT	7	1
600+15	602+57	RT/LT	42	5
600+92	606+86	RT	54	8
TOTAL CARRIED TO THE GENERAL SUMMARY:			408	60

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE CITY ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRUCT ALL ACTIVITIES TO STAY WITHIN THE CONSTRUCTION LIMITS. EQUIPMENT STORAGE AND STAGING OPERATIONS TO REMAIN INSIDE THE EXISTING RIGHT OF WAY.

SUBMIT A WRITTEN REQUEST TO THE CITY ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA.

USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS WILL BE REPLACED IN KIND OR AS APPROVED BY THE CITY ENGINEER. ANY ITEMS DAMAGED WITHIN THE CONSTRUCTION LIMITS THAT WERE NOT IDENTIFIED AS "TO BE REMOVED" WILL BE REPLACED IN KIND OR AS APPROVED BY THE CITY ENGINEER.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

RIGHT-OF-WAY

THE CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE EXISTING RIGHT-OF-WAY UNLESS A WORK AGREEMENT HAS BEEN OBTAIN BY THE CITY OF DELPHOS PRIOR TO WORK BEGINNING. ALL EQUIPMENT AND LABOR REQUIRED TO COMPLETE GRADING WORK NEAR THE EXISTING RIGHT-OF-WAY SHALL BE KEPT INSIDE THE LIMITS OF THE EXISTING RIGHT-OF-WAY.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE TABLE BELOW FOR PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS
 MONUMENT TYPE: TYPE B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88
 GEOID: 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
 ELLIPSOID: GRS-80
 MAP PROJECTION: LAMBERT CONFORMAL CONIC
 COORDINATE SYSTEM: OHIO STATE PLANE NORTH ZONE
 COMBINED SCALE FACTOR: 1.00000000000000
 ORIGIN OF COORDINATE SYSTEM: 0,0,0

TO GO FROM GRID TO GROUND DIVIDE BY 1.0000000000

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY FEET.

PRIMARY PROJECT CONTROL INFORMATION						
POINT NUMBER	GRID COORDINATES U.S. SURVEY FEET		SCALED COORDINATES U.S. SURVEY FEET		ORTHOMETRIC HEIGHT (ELEVATION)	DESCRIPTION
	NORTHING	EASTING	NORTHING	EASTING		
CP1	435016.1402	1460621.4333	435016.1402	1460621.4333	768.937	5/8" REBAR
CP2	435025.9911	1460255.4191	435025.9911	1460255.4191	768.707	5/8" REBAR

ITEM 832 EROSION CONTROL

THE CONTRACTOR SHALL PLACE INLET PROTECTION ON ALL EXISTING CATCH BASINS WITHIN AND 100' FROM THE DISTURBED AREAS.

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS PLACED BY THE CONTRACTOR WITH THE CITY ENGINEERS' CONCURRENCE FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES:

ITEM 832 – EROSION CONTROL 4,000 EACH

MAILBOXES

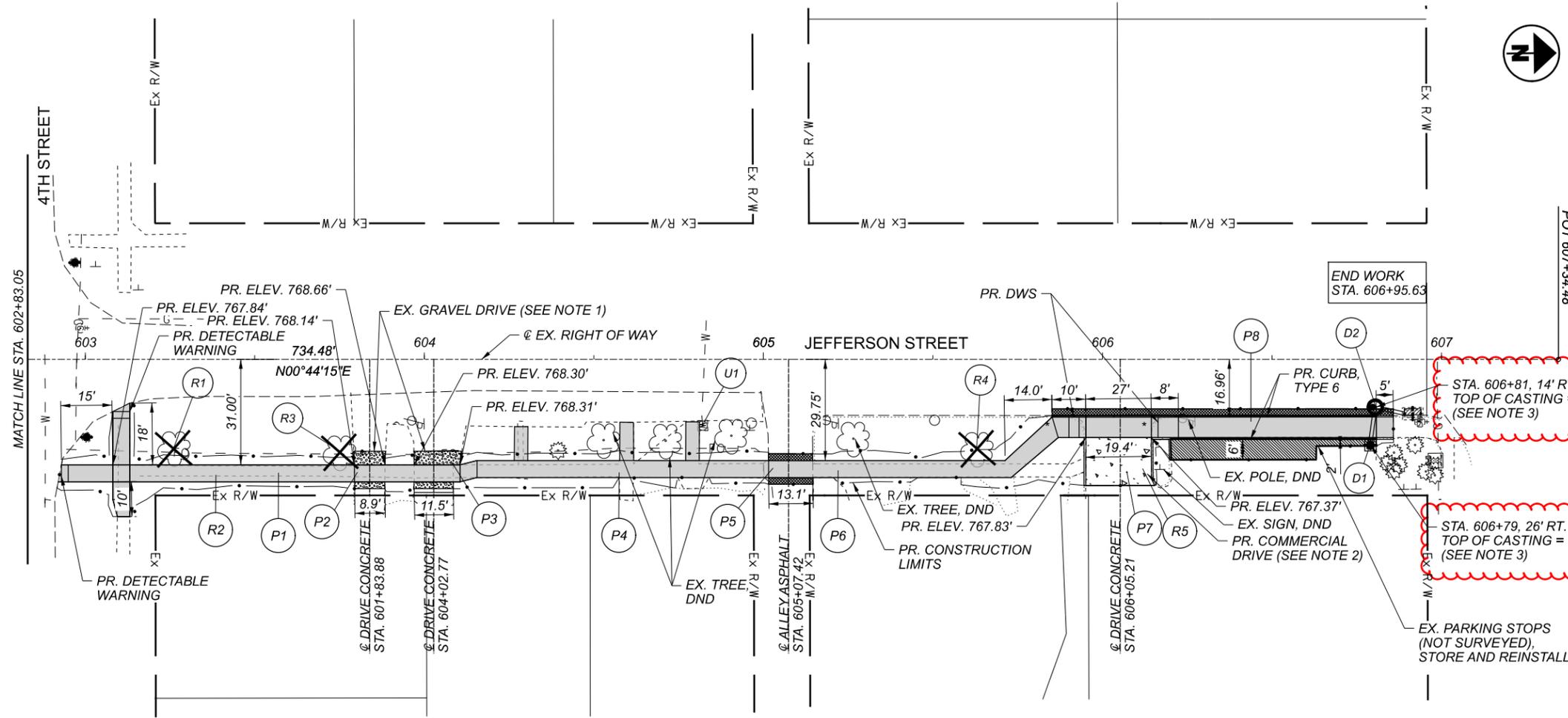
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND RESTORATION OF EXISTING MAILBOXES AS PER ODOT CMS 107.10. THE FINAL PERMANENT LOCATIONS OF ANY AFFECTED MAILBOXES HAVE BEEN SHOWN ON THE PLANS AND ARE AT THE DISCRETION OF THE ENGINEER. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

CONSTRUCTION ACTIVITIES

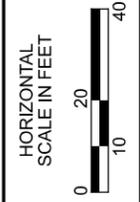
THIS PROJECT IS LOCATED WITHIN THE ALLEN COUNTY AREA COMBINED AQUIFER SYSTEM SOLE SOURCE AQUIFER. IN ORDER TO MINIMIZE THE POTENTIAL FOR A SPILL IN THIS SENSITIVE AREA, PROJECT RELATED REFUELING AND MAINTENANCE ACTIVITIES SHALL BE CONDUCTED IN AN ENVIRONMENTALLY RESPONSIBLE MANNER. THE CONTRACTOR SHALL UTILIZE PROPER CONTAINMENT AND DIKING IN REFUELING AREAS. FUELS, TOXIC/HAZARDOUS MATERIALS, AND CHEMICALS SHALL NOT BE STORED NEAR ANY DRAINAGE WAYS, DITCHES, OR STREAMS. A SPILL KIT IS TO BE MAINTAINED ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL IMMEDIATELY TAKE STEPS TO MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR CHEMICALS THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. ANY SUCH SPILL OR EVENT SHALL BE REPORTED IMMEDIATELY TO THE CITY OF DELPHOS FIRE & EMS (419)695-2911 OR (419)695-4010.

ENDANGERED BAT HABITAT REMOVAL

THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY ENDANGERED INDIANA BAT AND NORTHERN LONG-EARED BAT, AND THE STATE ENDANGERED LITTLE BROWN AND TRICOLORED BATS. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT AND ORC 1531.25. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.



- LEGEND**
- PR. CONCRETE WALK
 - PR. CONCRETE DRIVE
 - PR. ASPHALT ALLEY
 - PR. ASPHALT PARKING AREA
 - PR. GRAVEL DRIVE
 - PR. CURB RAMP
 - PR. PAVEMENT REPAIR
 - XXXX EX. PAVEMENT MARKING, TBR
 - Z# ROADWAY SUBSUMMARY (SHEETS 7-10)
 - Z# SIGNING AND MARKING SUBSUMMARY (SHEETS 42-43)
 - #WA WORK AGREEMENT



JEFFERSON STREET PLAN
 STA. 603+83.05 TO STA. 607+34.48

STA. 606+81, 14' RT.
 TOP OF CASTING = 766.91
 (SEE NOTE 3)

STA. 606+79, 26' RT.
 TOP OF CASTING = 767.12
 (SEE NOTE 3)

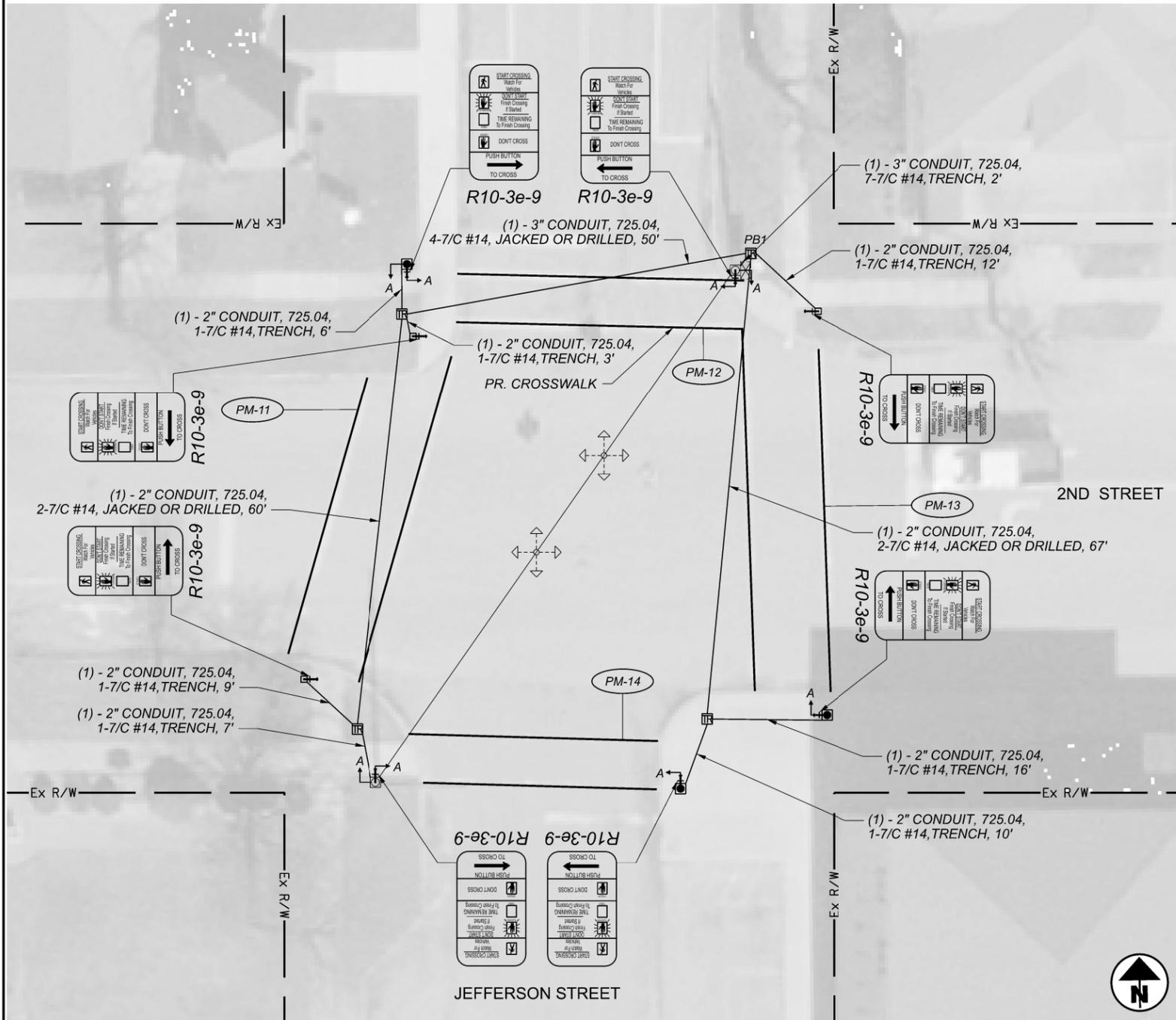
- * 7.69% MAX RUNNING SLOPE
- NOTE 1**
 FOR EXISTING GRAVEL DRIVEWAYS, REPLACE GRAVEL AS NEEDED.
- NOTE 2**
 FOR COMMERCIAL DRIVEWAY APRON, USE THE FOLLOWING MATERIALS:
 ITEM 452 - 9" UNREINFORCED CONCRETE PAVEMENT, TYPE QC1
- FOR THE PROPOSED WALK THROUGH THE COMMERCIAL DRIVEWAY AND ADJACENT RAMPS TO COMMERCIAL DRIVEWAY, USE THE FOLLOWING MATERIALS:
 ITEM 608 - 8" CONCRETE WALK
- NOTE 3**
 DRAIN TO EXISTING STORM SEWER USING A MINIMUM OF 1% SLOPE FOR NEWLY INSTALLED CONDUIT

TOOLE DESIGN	
DESIGNER	MGC
REVIEWER	MA 03/18/22
PROJECT ID	113503
SHEET	TOTAL
18	46

REF NO.	SHEET NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	625	625	625	625	625	625	625	630	630	630	630	632	632	632	632	632	632	632	644	644	644	644	644	644	
							CONDUIT, 2", 725.04	CONDUIT, 3", 725.04	CONDUIT, JACKED OR DRILLED 725.04, 2"	CONDUIT, JACKED OR DRILLED 725.04, 3"	TRENCH	PULL BOX, 725.08, 18"	GROUND ROD	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	SIGN, FLAT SHEET	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	ACCESSIBLE PEDESTRIAN PUSHBUTTON, AS PER PLAN	SIGNAL CABLE, 7 CONDUCTOR NO. 14 AWG	PEDESTAL FOUNDATION	PEDESTAL, 5', TRANSFORMER BASE	PEDESTAL, 8', TRANSFORMER BASE	REMOVAL OF PAVEMENT MARKING	REMOVAL OF PAVEMENT MARKING	SCHOOL SYMBOL MARKING, 96"	CROSSWALK LINE, 12"	CROSSWALK LINE, 12", AS PER PLAN	STOP LINE		
							FT	FT	FT	FT	FT	EACH	EACH	EACH	FT	FT	SF	EACH	EACH	FT	EACH	EACH	FT	SF	EACH	FT	FT	FT			
S-5	44	1ST ST	-	LT	W11-2-36	36X36										14.5	9														
					W16-7PL-24	24X12											2														
S-6	44	1ST ST	-	LT	W11-2-36	36X36										14.5	9														
					W16-7PR-24	24X12											2														
S-7	44	1ST ST	-	RT	W11-2-36	36X36										14.5	9														
					W16-7PL-24	24X12											2														
S-8	44	1ST ST	-	RT	W11-2-36	36X36										14.5	9														
					W16-7PR-24	24X12											2														
PM-15	44	1ST ST	-	LT/RT																								40			
PM-16	44	1ST ST	-	LT/RT																								40	11		
PM-17	44	1ST ST	-	LT/RT																								40			
PM-18	44	1ST ST	-	LT/RT																								40	13		
S-9	44	2ND ST	-	LT	W11-2-36	36X36										14.5	9														
					W16-7PL-24	24X12											2														
S-10	44	2ND ST	-	LT	W11-2-36	36X36										14.5	9														
					W16-7PR-24	24X12											2														
S-11	44	2ND ST	-	RT	W11-2-36	36X36										14.5	9														
					W16-7PL-24	24X12											2														
S-12	44	2ND ST	-	RT	W11-2-36	36X36										14.5	9														
					W16-7PR-24	24X12											2														
PM-19	44	2ND ST	-	LT/RT																				82					56		
PM-20	44	2ND ST	-	LT/RT																				87					56		
PM-21	44	2ND ST	-	LT/RT																				82					56		
PM-22	44	2ND ST	-	LT/RT																				84					56	18	
S-13	45	2ND ST	800+51	RT	S1-1-36	36X36										14.5	2.25														
					W16-9P-24	24X12											2														
S-14	45	2ND ST	801+51	RT	S5-H1-24	24X48										16.2	8														
					S4-1P-24	24X10											1.67														
					S4-6P-24	24X10											1.67														
S-15	45	2ND ST	801+49	LT	S5-3-24	24X30								13			5														
S-16	45	2ND ST	808+13	LT	S5-H1-24	24X48										16.2	8														
					S4-1P-24	24X10											1.67														
					S4-6P-24	24X10											1.67														
S-17	45	2ND ST	808+18	RT	S5-3-24	24X30								13			5														
S-18	45	2ND ST	809+51	LT	S1-1-36	36X36										14.5	2.25														
					W16-9P-24	24X12											2														
TOTALS CARRIED TO GENERAL SUMMARY														26	178	130								335				384	42		

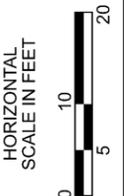
TRAFFIC CONTROL SUBSUMMARY

DESIGN AGENCY
TOOLE DESIGN
 DESIGNER
 YFC
 REVIEWER
 MA 01/26/23
 PROJECT ID
 113503
 SHEET TOTAL
 43 46

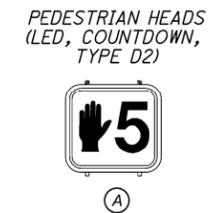


LEGEND

- PROPOSED PUSHBUTTON
- ↙ PROPOSED PEDESTRIAN SIGNAL HEAD
- > EXISTING VEHICULAR SIGNAL HEAD
- PROPOSED PEDESTAL, 5' TRANSFORMER BASE
- PROPOSED PEDESTAL, 8' TRANSFORMER BASE
- ▣ PROPOSED PULL BOX
- ⊠ EXISTING SIGNAL POLE
- ⊥ SIGN
- ⊠ CONTROLLER



INTERSECTION DETAIL
 JEFFERSON STREET AND 2ND STREET



PEDESTRIAN SIGNAL HEAD SHALL BE BLACK POLYCARBONATE WITH LED LAMPS AND RIGID MOUNTED AS PER TC-85.20 NOTE 5.

NOTE: WALK INTERVAL FOR ALL CROSSWALKS TO SERVE FOR 7 SECONDS.

PEDESTRIAN CLEARANCE INTERVAL TO SERVE FOR 16 SECONDS FOR PEDESTRIANS CROSSING W 2ND STREET IN THE NORTH-SOUTH DIRECTION.

PEDESTRIAN CLEARANCE INTERVAL TO SERVE FOR 15 SECONDS FOR PEDESTRIANS CROSSING N JEFFERSON STREET IN THE EAST-WEST DIRECTION.

ADJUST INTERSECTION SIGNAL TIMINGS TO ACCOMODATE WALK AND PEDESTRIAN CLEARANCE INTERVALS DURING VEHICLE GREEN PHASES.

NOTE: REMOVE ALL EXISTING CROSSWALK LINES ON ALL FOUR APPROACHES

DESIGN AGENCY	
TOOLE DESIGN	
DESIGNER	EK
REVIEWER	MA 01/26/23
PROJECT ID	113503
SHEET	TOTAL
44	46