

UTILITIES

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

ELECTRIC:
CITY OF WAPAKONETA
251 INDUSTRIAL DR.
WAPAKONETA, OH 45895
ATTN: DON SCHNARRE
PHONE: (419) 738-7713

GAS:
DOMINION EAST OHIO
320 SPRINGSIDE DR., SUITE 320
AKRON, OH 44333
ATTN: NICK HARRISON
PHONE: (330) 664-2554

TELECOM:
TIME WARNER CABLE
3100 ELIDA RD.
LIMA, OH 45805
ATTN: RICK HARDESTY
PHONE: (419) 429-7454

TELEPHONE:
TELEPHONE SERVICE CO. (TSC)
2 WILLIPIE ST., P.O. BOX 408
WAPAKONETA, OH 45895
ATTN: RANDY HEINL
PHONE: (419) 739-2241
CELL: (419) 234-6718

WATER:
CITY OF WAPAKONETA
203 E. HARRISON ST.
WAPAKONETA, OH 45895
ATTN: BRENT HAMEL
PHONE: (419) 738-7439

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.

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.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, 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.

DOMINION EAST OHIO GAS NOTIFICATION

THE CONTRACTOR SHALL COORDINATE WITH DOMINION EAST OHIO GAS IN THE RELOCATION OF THEIR FACILITIES. THE CONTRACTOR SHALL NOTIFY DOMINION EAST OHIO GAS TWO WEEKS BEFORE REMOVING THE EXISTING TRACK OVER THE EXISTING GAS LINE AT TRACK STATION 2443+90. DOMINION EAST OHIO GAS THEN HAS TWO WEEKS TO RELOCATE THEIR GAS LINES. CONTACT NOAH KLINKSIEK AT 330-664-2647 OR noah.m.klinksiek@dom.com.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THIS SHEET OF THE PLANS FOR A TABLE CONTAINING 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: EXISTING CONCRETE MONUMENTS

VERTICAL POSITIONING
ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID 12A

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83(2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, NORTH ZONE
COMBINED SCALE FACTOR: 1.00005982
ORIGIN OF COORDINATE SYSTEM: 0,0

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 C&MS 623.

UNITS ARE IN U.S. SURVEY FEET.

RAILROAD SPECIFICATIONS

RAILROAD FACILITIES, INCLUDING TRACK WORK AND MATERIALS, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING PUBLICATIONS:

CSX STANDARD SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF PRIVATE SIDETRACKS (2007)

AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION (AREMA) PRACTICAL GUIDE TO RAILWAY ENGINEERING (2003)

**ITEM 900 - SPECIAL - RAIL ITEM, MISC.:
CONSTRUCT TRACK**

THIS WORK SHALL CONSIST OF THE CONSTRUCTION OF PLATE AND SPIKE TRACK AND SHALL INCLUDE FURNISHING AND PLACING THE TIES, PLATES, SPIKES, AND OTHER TRACK MATERIALS, ALONG WITH A MINIMUM OF 100RE RAIL BUT NO HEAVIER THAN 115RE RAIL, 6" x 8" x 8'-6" TIMBER TIES, AND A WD BUMPING POST. THE WD BUMPING POST SHALL BE AS PER WESTERN-CULLEN-HAYES, INC. DESIGN, OR AN APPROVED EQUAL.

FOR ANY ITEM NOT ADDRESSED BY THE CSXT STANDARD SPECIFICATIONS, AREMA STANDARDS AND SPECIFICATIONS SHALL APPLY. THE FOLLOWING TOTAL OF TRACK HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 900 - SPECIAL - RAIL ITEM MISC.: CONSTRUCT TRACK
STA. 2435+50.00 TO STA. 2445+59.70 = 1010 FT.

**ITEM 900 - SPECIAL - RAIL ITEM, MISC.:
LIGHT DUTY ROAD CROSSING**

THIS WORK SHALL CONSIST OF THE CONSTRUCTION OF A LIGHT DUTY ROAD CROSSING PER THE CSXT STANDARD DETAIL 2521.

FOR ANY ITEM NOT ADDRESSED BY THE CSXT STANDARD SPECIFICATIONS, AREMA STANDARDS AND SPECIFICATIONS SHALL APPLY. THE FOLLOWING TOTAL OF ROAD CROSSING HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 900 - SPECIAL - RAIL ITEM MISC.: LIGHT DUTY ROAD CROSSING
STA. 2445+10.00 TO STA. 2445+40.00 = 30 FT.

**ITEM 900 - SPECIAL - RAIL ITEM, MISC.:
TRACK REMOVAL**

THIS WORK SHALL INCLUDE THE REMOVAL OF THE RAILS, TIES, PLATES, SPIKES, BALLAST AND OTHER TRACK MATERIAL. THE TRACK MAY BE DISMANTLED IN PLACE.

THE CONTRACTOR SHALL DISPOSE OF THE TRACK DESIGNATED FOR REMOVAL IN THE DESIGNATED MANNER.

THE FOLLOWING TOTAL OF TRACK HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 900 - SPECIAL - RAIL ITEM MISC.: TRACK REMOVAL
STA. 2440+33.71 TO STA. 2445+59.70 = 526 FT.

**ITEM 900 - SPECIAL - RAIL ITEM, MISC.:
REMOVAL OF RAILROAD AT-GRADE CROSSING SIGNAL CABINET**

THIS WORK SHALL INCLUDE THE COMPLETE REMOVAL AND DISPOSAL OF THE EXISTING RAILROAD AT-GRADE CROSSING SIGNAL CONTROL CABINET AND ASSOCIATED WIRING.

ALL EQUIPMENT, LABOR, MATERIALS AND INCIDENTALS NECESSARY TO PERFORM THE ABOVE WORK SHALL BE INCLUDED FOR PAYMENT PER EACH UNDER ITEM 900 - SPECIAL - RAIL ITEM MISC.: REMOVAL OF RAILROAD AT-GRADE CROSSING SIGNAL CABINET.

TOTAL CARRIED TO GENERAL SUMMARY = 1

**ITEM 900 - SPECIAL - RAIL ITEM, MISC.:
REMOVAL OF RAILROAD AT-GRADE CROSSING
WARNING DEVICES**

THIS WORK SHALL INCLUDE THE COMPLETE REMOVAL AND DISPOSAL OF THE EXISTING U.S.R. 33 RAILROAD CROSSING FLASHING WARNING LIGHTS, ANCHOR BOLTS, MASTS, MAST FOUNDATIONS AND ASSOCIATED WIRING.

ALL EQUIPMENT, LABOR, MATERIALS AND INCIDENTALS NECESSARY TO PERFORM THE ABOVE WORK SHALL BE INCLUDED FOR PAYMENT PER EACH UNDER ITEM 900 - SPECIAL - RAIL ITEM MISC.: REMOVAL OF RAILROAD AT-GRADE CROSSING WARNING DEVICES.

TOTAL CARRIED TO GENERAL SUMMARY = 4

**ITEM 900 - SPECIAL - RAIL ITEM, MISC.:
4" COMPACTED SUBBALLAST**

THIS ITEM SHALL CONSIST OF PLACING AND COMPACTING SUBBALLAST ON ONE OR MORE COURSES OF AGGREGATE ON A PREPARED SUBGRADE SURFACE IN ACCORDANCE WITH THE CSX STANDARD ROADBED SECTIONS (DRAWING 2601) UNDER DESIGNATION "SINGLE YARD, INDUSTRY, AND OTHER TRACK".

THE SUBBALLAST SHALL BE PROVIDED BY THE CONTRACTOR. SUBBALLAST SHALL BE COMPACTED TO A THICKNESS OF 4 INCHES IN ALL LOCATIONS.

ITEM 900 - SPECIAL - RAIL ITEM MISC.: 4" COMPACTED SUBBALLAST
STA. 2435+50.00 TO STA. 2445+59.70 = 1010 FT.
1010' LENGTH x (4/12)' THICK x 24' WIDTH / 27 = 299.26
USE 299 CU. YD.

**ITEM 900 - SPECIAL - RAIL ITEM, MISC.:
4" COMPACTED BALLAST PAD**

THIS ITEM SHALL CONSIST OF PLACING AND COMPACTING BALLAST ON ONE OR MORE COURSES OF AGGREGATE ON A PREPARED SUBBALLAST SURFACE IN ACCORDANCE WITH THE CSX STANDARD BALLAST SECTIONS (DRAWING 2602) UNDER DESIGNATION "INTERIOR YARD TRACKS".

THE BALLAST SHALL BE PROVIDED BY THE CONTRACTOR. BALLAST SHALL BE COMPACTED TO A THICKNESS OF 4 INCHES IN ALL LOCATIONS.

ITEM 900 - SPECIAL - RAIL ITEM MISC.: 4" COMPACTED BALLAST PAD
STA. 2435+50.00 TO STA. 2445+59.70 = 1010 FT.
1010' LENGTH x (4/12)' THICK x 13.5' WIDTH / 27 = 168.3
USE 168 CU. YD.

**ITEM 900 - SPECIAL - RAIL ITEM, MISC.:
BALLAST**

THIS ITEM SHALL CONSIST OF PLACING BALLAST ON A PREPARED SUBBALLAST SURFACE IN ACCORDANCE WITH THE CSX STANDARD BALLAST SECTIONS (DRAWING 2602) UNDER DESIGNATION "INTERIOR YARD TRACKS".

THE BALLAST SHALL BE PROVIDED BY THE CONTRACTOR. BALLAST SHALL BE PLACED SUCH THAT THERE IS 6 INCHES OF BALLAST BETWEEN THE TIE AND THE SUBBALLAST. (4 INCHES OF COMPACTED BALLAST PAD, 2 INCHES OF BALLAST)

ITEM 900 - SPECIAL - RAIL ITEM MISC.: BALLAST
STA. 2435+50.00 TO STA. 2445+59.70 = 1010 FT.
1010' LENGTH x (3.73 SQ FT CROSS SECTIONAL AREA) / 27 = 139.7
USE 140 CU. YD.

CENTERLINE CONSTRUCTION REFERENCES AND BENCHMARKS U.S.R. 33						
GRID						
STATION	OFFSET (FT)	SIDE	NORTHING	EASTING	ELEVATION	DESCRIPTION
869+64.65	69.22	LT.	328093.794	1505885.162	916.33	CONCRETE MONUMENT
871+96.32	133.05	RT.	327923.695	1506142.506	922.62	CONCRETE MONUMENT
880+10.70	70.00	LT.	328247.062	1506917.040	915.10	CONCRETE MONUMENT
PROJECT SCALE FACTOR: 1.00005982						

CALCULATED
KDW
CHECKED
TWG

GENERAL NOTES

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