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PAVEMENT MARKING

STOP LINES, CROSSWALK LINES, CHANNELIZING LINES, ETC., SHOWN IN THE PLANS ARE TAKEN FROM EXISTING MARKINGS. THE CONTRACTOR SHALL DOCUMENT ALL OF THE EXISTING AUXILIARY PAVEMENT MARKING LOCATIONS THAT WILL BE REMOVED/OBLITERATED DURING THIS PROJECT. THE CONTRACTOR SHALL PLACE NEW PAVEMENT MARKINGS AT THE LOCATION OF THE EXISTING MARKINGS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. DOCUMENTATION OF PAVEMENT MARKING SHALL BE SUPPLIED TO THE ENGINEER BEFORE COMMENCEMENT OF ANY OPERATION WHICH WILL REMOVE/OBLITERATE MARKINGS. THE METHOD OF DOCUMENTATION SHALL BE APPROVED BY THE ENGINEER IN ORDER TO PROVIDE AN ACCEPTABLE TOLERANCE BETWEEN THE EXISTING AND PROPOSED PAVMENT MARKINGS. **LONG LINE PAVEMENT MARKINGS SHALL BE PLACED PER SECTION 301-4 OF ODOT'S TRAFFIC ENGINEERING MANUAL AND DETAIL ON SHEET 16.**

RESIDENTIAL AND COMMERCIAL DRIVES

AN ESTIMATED QUANTITY OF ITEM 441 ASPHALT CONCRETE, HAS BEEN INCLUDED IN THE PLAN TO BE USED AS DIRECTED BY THE ENGINEER TO PAVE APPROACH AREAS TO EXISTING DRIVEWAYS. PAVING SHALL EXTEND AN AVERAGE OF 4' INTO THE DRIVEWAY (MEASURED FROM THE EDGE OF PAVEMENT OR PAVED SHOULDER IF PRESENT). THE ENGINEER MAY EXTEND PAVING DISTANCE FOR ASPHALT DRIVEWAYS IN ORDER TO PROVIDE A SMOOTH TRANSITION AND/OR ELIMINATE SHORT DISTANCES OF UNDESIRABLE PROFILE. ABRUPT CHANGES IN DRIVEWAY PROFILE ARE NOT PERMITTED, THEREFORE, A QUANTITY OF ITEM 304 AGGREGATE BASE HAS BEEN PROVIDED TO BE USED AS DIRECTED BY THE ENGINEER TO PROVIDE A SMOOTH TRANSITION FOR AGGREGATE DRIVES.

FIELD DRIVES AND OIL WELL DRIVES SHALL NOT BE PAVED. GRAVEL DRIVES SHALL BE PAVED BACK AN AVERAGE OF 4' WITHOUT CREATING A BUTT JOINT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. CREATE A BUTT JOINT FOR EXISTING ASPHALT/CONCRETE DRIVES/APRONS. GRAVEL DRIVES WITH ASPHALT APRONS SHALL NOT HAVE BUTT JOINTS, BUT ONLY IF THE EXISTING ASPHALT APRON IS IN AN ACCEPTABLE CONDITION TO BE PAVED OVER. IF THE ASPHALT APRON CANNOT BE PAVED OVER (FOR EXAMPLE, BROKEN INTO SMALL PIECES) AS DETERMINED BY THE ENGINEER, IT SHALL BE REMOVED BEFORE BEING PAVED BACK 4' INTO THE DRIVEWAY. ALL GRADING, PRIME OR TACK COAT, MATERIALS, LABOR, EQUIPMENT TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THE DRIVES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ITEMS LISTED BELOW.

BUTT JOINT AT THE END OF ALL DRIVEWAYS SHALL BE 1.5" IN DEPTH TO ACCOMMODATE 1.5" SURFACE COURSE. NO WORK SHALL BE PERFORMED ON DRIVEWAYS LOCATED IN CURB SECTIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE SUB-SUMMARIES FOR THE ABOVE DESCRIBED PURPOSE.

**ITEM 202, WEARING COURSE REMOVED**  
**LOCATION 1A - 230 SQ.YD.**  
**LOCATION 1B – 1110 SQ.YD.**  
**LOCATION 1C – 290 SQ.YD.**  
**LOCATION 1D – 110 SQ.YD.**

**ITEM 304, AGGREGATE BASE**  
**LOCATION 1A - 1 CU.YD.**  
**LOCATION 1B – 4 CU.YD.**  
**LOCATION 1C – 1 CU.YD.**  
**LOCATION 1D – 1 CU.YD.**

**ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 70-22M**  
**LOCATION 1A - 10 CU.YD.**  
**LOCATION 1B – 46 CU.YD.**  
**LOCATION 1C – 12 CU.YD.**  
**LOCATION 1D – 5 CU.YD.**

MAILBOX TURN OUTS

A QUANTITY OF ASPHALT CONCRETE HAS BEEN PROVIDED IN THE PLAN TO COVER MAILBOX TURN-OUTS. TURN-OUTS SHALL BE PAVED AS SHOWN IN THE DETAIL IN DRAWING BP-4.1. ANY EXTRA GRADING OF THE SHOULDERS, PRIME OR TACK COAT, MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE MAILBOX TURN OUTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ITEMS LISTED BELOW.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE SUB-SUMMARIES FOR THE ABOVE PURPOSES.

**ITEM 202, WEARING COURSE REMOVED**  
**LOCATION 1A - 100 SQ.YD.**  
**LOCATION 1B – 610 SQ.YD.**  
**LOCATION 1C – 110 SQ.YD.**  
**LOCATION 1D – 60 SQ.YD.**

**ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 70-22M**  
**LOCATION 1A - 5 CU.YD.**  
**LOCATION 1B - 26 CU.YD.**  
**LOCATION 1C – 5 CU.YD.**  
**LOCATION 1D – 3 CU.YD.**

**ITEM 611, CATCH BASIN ADJUSTED TO GRADE**  
**ITEM 611, MANHOLE ADJUSTED TO GRADE**  
**ITEM 638, VALVE BOX ADJUSTED TO GRADE**

THESE ITEMS SHALL BE USED TO ADJUST TO GRADE CATCH BASINS, MANHOLES, AND WATER VALVE BOXES LOCATED THROUGH OUT THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK DESCRIBED SHALL BE INCLUDED FOR PAYMENT WITH THE ITEMS LISTED BELOW.

ANY GAS VALVE BOXES AND TELEPHONE COMPANY MANHOLES ON THIS PROJECT SHALL BE ADJUSTED TO GRADE BY THE RESPECTIVE OWNERS.

~~ITEM 611, CATCH BASIN ADJUSTED TO GRADE~~  
~~LOCATION 1E - 3 EACH~~  
~~ODOT D05 COMPLEX – 24 EACH~~

~~ITEM 611, MANHOLE ADJUSTED TO GRADE~~  
~~LOCATION 1D – 1 EACH~~  
~~LOCATION 1E – 12 EACH~~  
~~ODOT D05 COMPLEX – 4 EACH~~

**ITEM 638, VALVE BOX ADJUSTED TO GRADE**  
**LOCATION 1E - 5 EACH**

ITEM 606, ANCHOR ASSEMBLY, MGS TYPE B

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND, THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

THE FACE OF THE TYPE B IMPACT HEAD SHALL BE COVERED WITH TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE B, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING REFLECTIVE SHEETING AND ALL RELATED HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

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GENERAL NOTES

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ITEM 632, DETECTOR LOOP, AS PER PLAN

ALL STOP LINE INDUCTANCE DETECTOR LOOPS SHALL BE THE POWER HEAD CONFIGURATION SHOWN ON TC-82.10. THE WIDTH SHALL BE AS SPECIFIED ON TC-82.10 AND THE LENGTH SHALL BE 20' OR AS DIRECTED. THE STOP LINE DETECTOR LOOPS SHALL NOT BE WIRED TO ANY OTHER LOOPS AND SHALL HAVE ITS OWN DETECTOR CHANNEL. ALL STOP LINE DETECTION SHALL BE TESTED FOR A BICYCLE TARGET AND ALL DILEMMA DETECTION ZONES SHALL BE TESTED FOR A MOTORCYCLE TARGET.

ALL DILEMMA ZONE INDUCTANCE DETECTOR LOOPS CALLED FOR IN THE PLANS SHALL BE THE ANGULAR DESIGN DETECTION (ADD) LOOP AS SHOWN ON TC-82.10. DIMENSIONS SHALL BE AS SPECIFIED ON TC-82.10.

ALL DETECTOR LOOPS SHALL BE CUT INTO THE PLANED SURFACE OR THE PROPOSED INTERMEDIATE COURSE AT A DEPTH OF 4" FROM THE PROPOSED SURFACE ELEVATION. THE CONTRACTOR SHALL TEST ALL LEAD-IN CABLES PRIOR TO MAKING THE FINAL SPLICE. PLACEMENT SHALL BE AS PER SPECIFICATION 632.10.

FINAL LOCATIONS, SIZE AND ORIENTATION SHALL BE PROVIDED TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.

ALL MATERIALS, LABOR, TOOLS, EQUIPMENT, TRAFFIC CONTROL AND INCIDENTALS NECESSARY TO PERFORM THE WORK DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 632, DETECTOR LOOP, AS PER PLAN.

THE FOLLOWING CONTIGENCY QUANTITIES HAVE BEEN CARRIED TO THE SUB-SUMMARIES FOR THE ABOVE PURPOSES.

ITEM 632, DETECTOR LOOP, AS PER PLAN

LOCATION 1B – 12 EACH

ON S.R. 13 N.B. BEFORE U.S. 40 – 1 DILEMMA  
ON U.S. 40 W.B. AT S.R. 13 – 1 POWERHEAD  
ON S.R. 13 S.B. BEFORE U.S. 40 – 1 DILEMMA

ON S.R. 13 N.B. AT DORSEY MILL RD. – 1 POWERHEAD, 4 DILEMMA  
DORSEY MILL RD. (LEFT) – 2 POWERHEAD  
DORSEY MILL RD. (RIGHT) – 2 POWERHEAD

LOCATION 1C – 5 EACH

ON S.R. 13 S.B. AT DORSEY MILL RD. – 1 POWERHEAD, 4 DILEMMA

LOCATION 1D – 3 EACH

ON S.R. 13 N.B. AT HOPEWELL DR. – 1 POWERHEAD  
ON S.R. 13 S.B. AT HOPEWELL DR. – 1 POWERHEAD  
ON HOPEWELL DR. (RIGHT) – 1 POWERHEAD

LOCATION 1E – 3 EACH

ON S.R. 13 N.B. AT WILWOOD AVE. – 1 POWERHEAD, 1 DILEMMA  
ON S.R. 13 S.B. AT WILWOOD AVE. – 1 DILEMMA

SAFETY EDGE

IN ADDITION TO THE REQUIREMENTS OF 401.12, ATTACH A DEVICE TO THE SCREED OF THE PAVER THAT CONFINES THE MATERIAL AT THE END GATE AND EXTRUDES THE ASPHALT MATERIAL IN SUCH A WAY THAT RESULTS IN A COMPACTED WEDGE SHAPE PAVEMENT EDGE OF APPROXIMATELY 30 DEGREES (NOT STEEPER THAN 40 DEGREES). ENSURE THE DEVICE MAINTAINS CONTACT WITH THE EXISTING SURFACE, AND ALLOW FOR AUTOMATIC TRANSITION TO CROSS ROADS, DRIVEWAYS AND OBSTRUCTIONS. DO NOT USE CONVENTIONAL SINGLE PLATE STRIKE OFF.

CONSTRUCTION OF SAFETY EDGE CAN BE OMITTED AT LOCATIONS WHERE EXISTING WIDTH OF GRADED SHOULDER OR BERM IS LESS THAN 12". PROJECTS WITH VARYING CONDITIONS SHOULD USE SAFETY EDGE WHERE POSSIBLE. PLAN PREPARATION HAS MADE EVERY REASONABLE ATTEMPT TO IDENTIFY POSSIBLE SAFETY EDGE LOCATIONS.

USE THE TRANS TECH SHOULDER WEDGE MAKER, THE CARLSON SAFETY EDGE END GATE, THE ADVANT-EDGER, THE TROXLER SAFETSLOPE OR A SIMILAR APPROVED-EQUAL DEVICE THAT PRODUCES THE SAME WEDGE CONSOLIDATION RESULTS. CONTACT INFORMATION FOR THESE WEDGE SHAPE COMPACTION DEVICES IS THE FOLLOWING:

TransTech Systems, Inc.  
1594 State Street  
Schenectady, NY 12304  
1-800-724-6306  
[www.transtechsys.com](http://www.transtechsys.com)

Carlson Safety Edge End Gate  
18425 50<sup>th</sup> Avenue East  
Tacoma, WA 98446  
253-875-8000

Advant-Edge Paving Equipment, LLC.  
P.O. Box 9163  
Niskayuna, NY 12309-0163  
518-280-6090  
[www.advantaedgepaving.com](http://www.advantaedgepaving.com)

Troxler Electronics Laboratories, Inc.  
3008 E. Cornwallis Rd.  
Research Triangle Park, NC 27709  
1-877-TROXLER  
[www.troxlerlabs.com](http://www.troxlerlabs.com)

IF ELECTING TO USE A SIMILAR DEVICE, PROVIDE PROOF THAT THE DEVICE HAS BEEN USED ON PREVIOUS PROJECTS WITH ACCEPTABLE RESULTS OR CONSTRUCT A TEST SECTION PRIOR TO THE BEGINNING OF WORK AND DEMONSTRATE WEDGE COMPACTION TO THE SATISFACTION OF THE ENGINEER. SHORT SECTIONS OF HANDWORK WILL BE ALLOWED WHEN NECESSARY FOR TRANSITIONS AND TUENOUTS OR OTHERWISE AUTHORIZED BY THE ENGINEER.

IN ADDITION TO THE REQUIREMENTS OF 401.16, MAKE THE FIRST ROLLER PASS 8 TO 12 INCHES (200 TO 300 mm) AWAY FROM TAPERED EDGE. DO NOT ROLL THE TAPER.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE SUB-SUMMARIES TO PROVIDE EXTRA ASPHALT FOR CONSTRUCTION OF THE SAFETY EDGE:

ITEM 448 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 70-22M

LOCATION 1A - 8 CU.YD.  
LOCATION 1B - 83 CU.YD.  
LOCATION 1C - 18 CU.YD.  
LOCATION 1D – 9 CU.YD.

CURB REPAIR (ODOT D-5 COMPLEX)

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY AND SHALL BE USED TO REPLACE BROKEN/DEFICIENT CURB WITHIN THE ODOT D-5 COMPLEX **AS DIRECTED BY THE ENGINEER.**

**ODOT D-5 COMPLEX:**  
**ITEM 202, CURB REMOVED – 100 FT**  
**ITEM 609, CURB, TYPE 6 – 100 FT**

SIDEWALK REPAIR (VILLAGE OF JACKSONTOWN)

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE LOCATION 1B SUB-SUMMARY AND SHALL BE USED TO REPAIR DETERIORATED CONCRETE WALK WITHIN THE VILLAGE OF JACKSONTOWN **AS DIRECTED BY THE ENGINEER.**

**LOCATION 1B (JACKSONTOWN):**  
**ITEM 202, WALK REMOVED – 400 SF**  
**ITEM 608, 4" CONCRETE WALK – 400 SF**

PAVED GUTTER REPAIR (S.R. 13 HILL)

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE LOCATION 1B SUB-SUMMARY AND SHALL BE USED TO REPAIR THE PAVED CONCRETE GUTTER PRIOR TO RESURFACING **AS DIRECTED BY THE ENGINEER.**

**LOCATION 1B (GUTTER):**  
**ITEM 613, LOW STRENGTH MORTAR BACKFILL, TYPE 2, AS PER PLAN - 10 CU. YD.**

THE GUTTER SHALL BE CLEANED OF ALL DIRT, LOOSE CONCRETE, AND ALL OTHER DEBRIS PRIOR TO APPLYING LOW STRENGTH MORTAR. THE ADDITIONAL WORK SHALL BE INCLUDED IN PAYMENT FOR LOW STRENGTH MORTAR BACKFILL, TYPE 2, AS PER PLAN.

ITEM SPECIAL - REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS

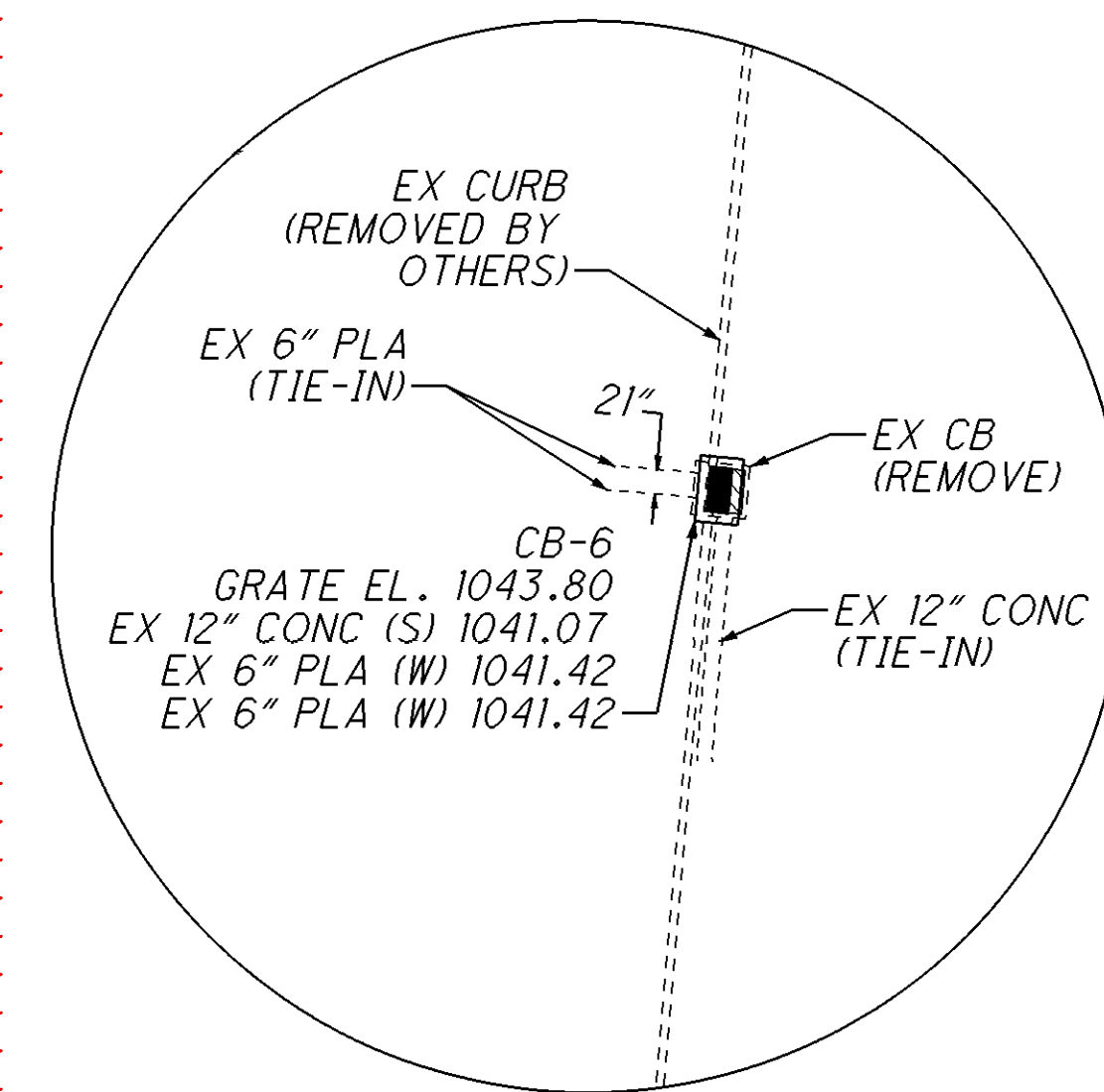
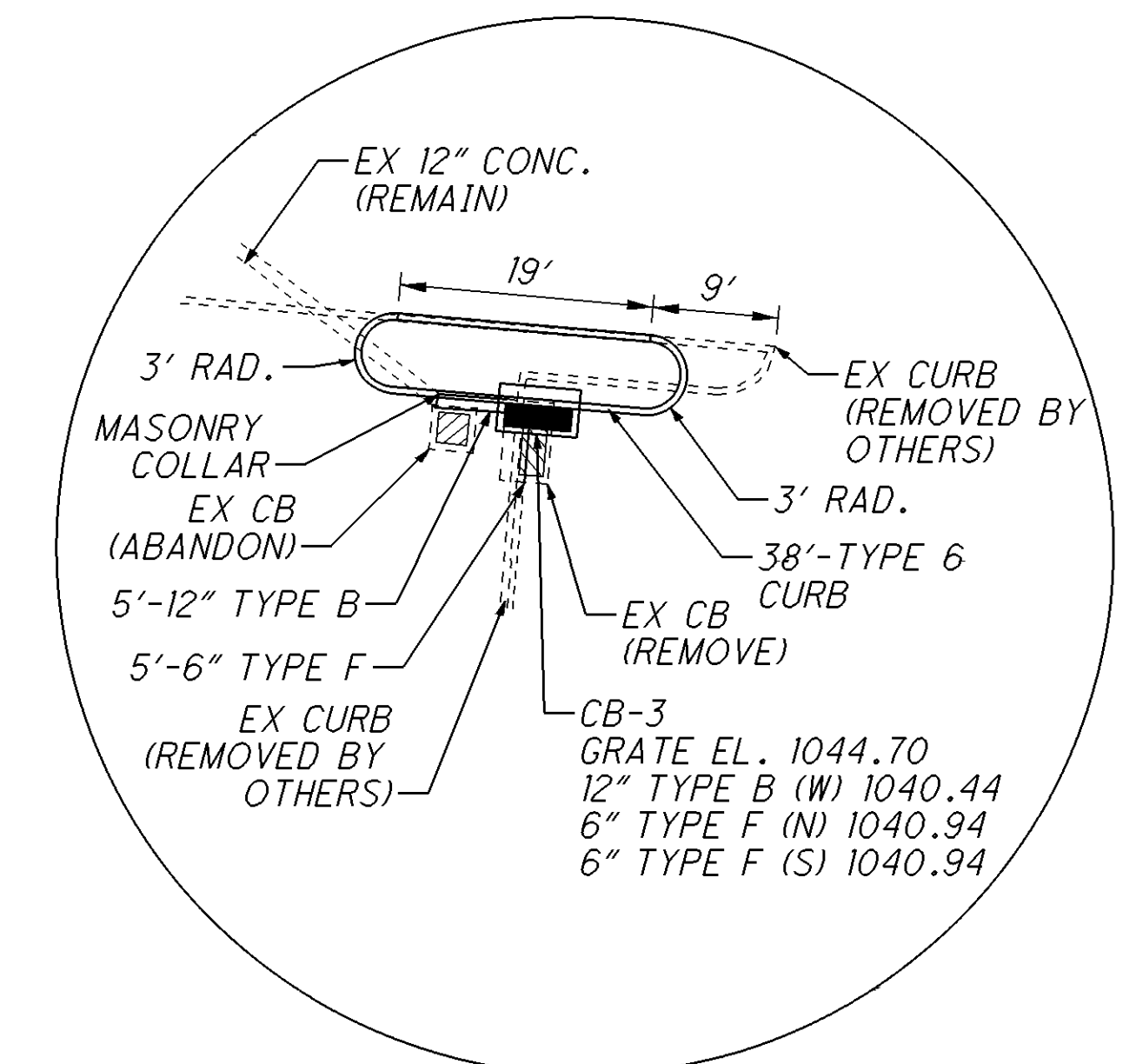
THIS ITEM SHALL BE USED TO REINFORCE LONGITUDINAL WIDENING JOINT FOR TURN LANE CONSTRUCTION AT DAWES ARBORETUM ON S.R. 13. PLACE REINFORCING MESH ON PLANED SURFACE, 5.0' WIDE CENTERED OVER LONGITUDINAL JOINT. REINFORCING MATERIAL SHALL BE GLASGRID CG100 OR EQUIVALENT AND SHALL BE PLACED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND THIS NOTE.

THIS PROJECT IS EVALUATING THE EFFECTIVENESS OF REINFORCED MESH OVER LONGITUDINAL JOINTS. THEREFORE, **ONLY PLACE THE REINFORCED MESH FROM STA. 215+60 TO STA. 224+60.**

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, TRAFFIC CONTROL AND INCIDENTALS NEEDED TO COMPLETE THE WORK DESCRIBED ABOVE SHALL BE INCLUDED FOR PAYMENT IN THE UNIT PRICE BID FOR ITEM 690 SPECIAL - REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS.

**LOCATION 1B:**  
**ITEM 690 SPECIAL - REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS - 500 SQ.YD.**





LOT A: 1,361 SQ.YD.  
LOT B: 6,480 SQ.YD.  
LOT C: 1,230 SQ.YD.  
LOT D: 4,667 SQ.YD.  
DRIVES: 7,109 SQ.YD.

LOT A: 1,361 SQ.YD.  
LOT B: 6,480 SQ.YD.  
LOT C: 1,230 SQ.YD.  
LOT D: 4,667 SQ.YD.  
DRIVES: 7,109 SQ.YD.

SEE SHEET 4 FOR CURB REPAIR QUANTITIES  
SEE SHEET 14 FOR RESURFACING QUANTITIES  
SEE SHEETS 22,24,40 AND 41 FOR STRIPING QUANTITIES/DETAILS

ADDITIONAL QUANTITIES NOT CARRIED TO THE GENERAL SUMMARY

ITEM 202, CATCH BASIN REMOVED - 2 EACH

ITEM 202, CATCH BASIN ABANDONED - 1 EACH

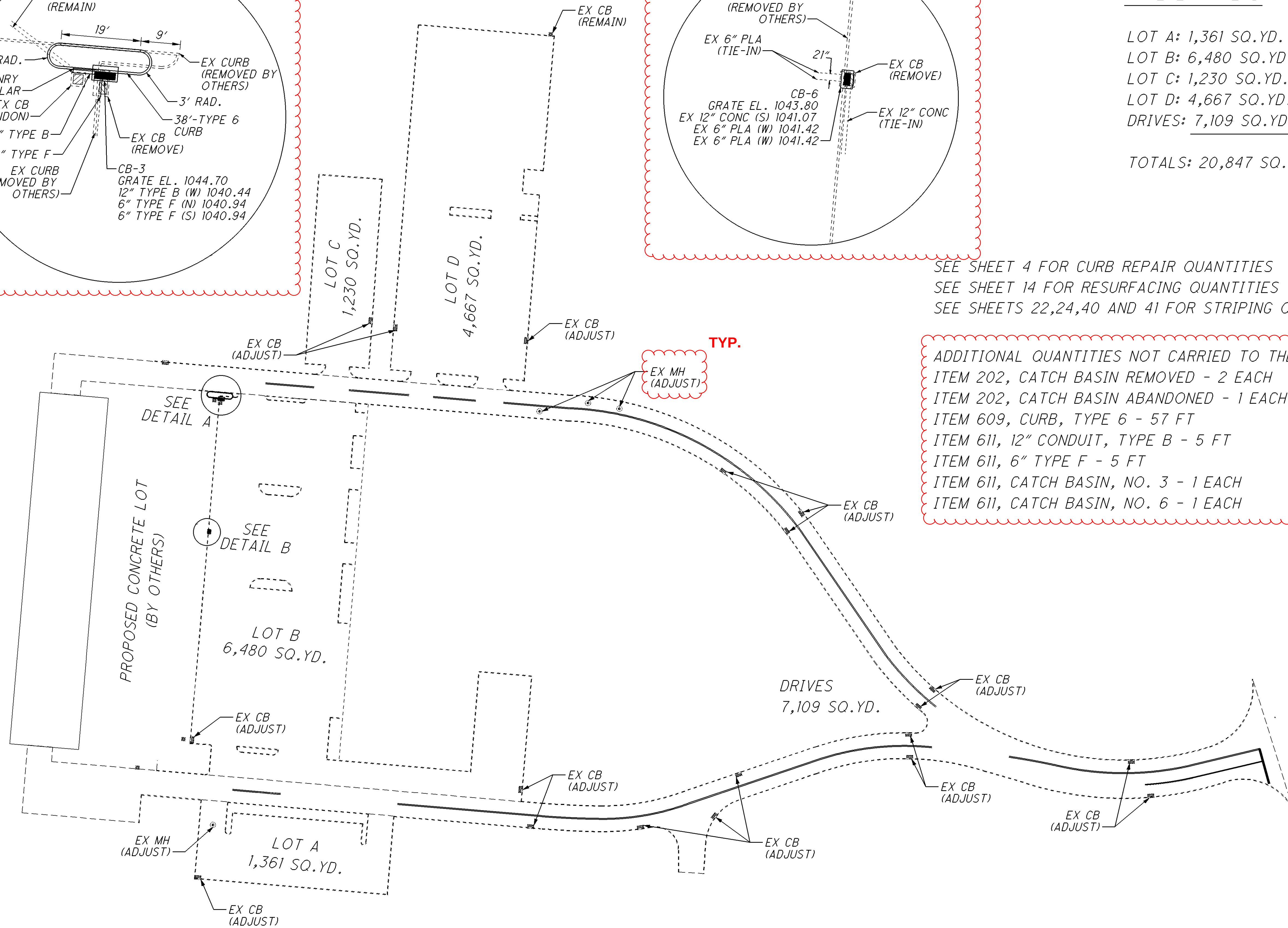
ITEM 609, CURB, TYPE 6 - 57 FT

ITEM 611, 12" CONDUIT, TYPE B - 5 FT

ITEM 611, 6" TYPE F - 5 FT

ITEM 611, CATCH BASIN, NO. 3 - 1 EACH

ITEM 611, CATCH BASIN, NO. 6 - 1 EACH





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| S.R. 13 CURVE AT DAWES ARBORETUM |                     |                     |                               |                       |                     |                     |                                           |                        |                      |                      |                        |                    |                          |                      |                      |                        |                     |
|----------------------------------|---------------------|---------------------|-------------------------------|-----------------------|---------------------|---------------------|-------------------------------------------|------------------------|----------------------|----------------------|------------------------|--------------------|--------------------------|----------------------|----------------------|------------------------|---------------------|
| LEFT EDGE OF SHOULDER            | LEFT SHOULDER WIDTH | LEFT SHOULDER SLOPE | LEFT EDGE CORRECTION (INCHES) | LEFT EDGE OF PAVEMENT | LEFT PAVEMENT WIDTH | LEFT PAVEMENT SLOPE | PROPOSED CENTERLINE SURVEY & CONSTRUCTION | PROPOSED PROFILE GRADE | RIGHT PAVEMENT SLOPE | RIGHT PAVEMENT WIDTH | RIGHT EDGE OF PAVEMENT | SAW CUT LINE WIDTH | SAW CUT EDGE OF PAVEMENT | RIGHT SHOULDER SLOPE | RIGHT SHOULDER WIDTH | RIGHT EDGE OF SHOULDER | COMMENTS            |
| 1014.72                          | 2.0                 | -0.040              | 0.00                          | 1014.80               | 11.77               | 0.006               | 206+40.38                                 | 1014.74                | -0.043               | 11.77                | 1014.23                | 11.48              | 1014.24                  | -0.043               | 2.0                  | 1014.14                | MATCH EXISTING      |
| 1014.57                          | 2.0                 | -0.040              | 0.28                          | 1014.65               | 11.80               | 0.008               | 206+50.00                                 | 1014.56                | -0.044               | 11.89                | 1014.03                | 11.44              | 1014.05                  | -0.044               | 2.0                  | 1013.94                |                     |
| 1014.20                          | 2.0                 | -0.040              | 1.23                          | 1014.28               | 11.90               | 0.016               | 206+75.00                                 | 1014.10                | -0.048               | 12.22                | 1013.51                | 11.29              | 1013.55                  | -0.048               | 2.0                  | 1013.41                |                     |
| 1013.86                          | 2.0                 | -0.040              | 2.93                          | 1013.94               | 12.00               | 0.023               | 207+00.00                                 | 1013.67                | -0.056               | 12.54                | 1012.96                | 11.01              | 1013.05                  | -0.056               | 2.0                  | 1012.85                |                     |
| 1013.55                          | 2.2                 | -0.039              | 3.40                          | 1013.63               | 12.00               | 0.031               | 207+25.00                                 | 1013.27                | -0.059               | 12.86                | 1012.51                | 11.12              | 1012.61                  | -0.059               | 2.0                  | 1012.39                |                     |
| 1013.20                          | 2.3                 | -0.032              | 2.77                          | 1013.27               | 12.00               | 0.038               | 207+50.00                                 | 1012.82                | -0.060               | 13.19                | 1012.03                | 10.99              | 1012.16                  | -0.060               | 2.0                  | 1011.91                |                     |
| 1012.95                          | 2.4                 | -0.027              | 2.22                          | 1013.02               | 12.00               | 0.043               | 207+65.38                                 | 1012.51                | -0.063               | 13.39                | 1011.66                | 10.98              | 1011.81                  | -0.063               | 2.0                  | 1011.53                | PC                  |
| 1012.79                          | 2.5                 | -0.024              | 1.79                          | 1012.85               | 12.00               | 0.046               | 207+75.00                                 | 1012.31                | -0.065               | 13.51                | 1011.43                | 10.86              | 1011.60                  | -0.065               | 2.0                  | 1011.30                |                     |
| 1012.32                          | 2.9                 | -0.017              | 0.67                          | 1012.37               | 12.00               | 0.053               | 208+00.00                                 | 1011.74                | -0.071               | 13.83                | 1010.76                | 10.12              | 1011.02                  | -0.071               | 2.0                  | 1010.62                |                     |
| 1012.14                          | 3.6                 | 0.061               | 0.35                          | 1011.92               | 12.00               | 0.061               | 208+25.00                                 | 1011.20                | -0.076               | 14.16                | 1010.12                | 9.82               | 1010.45                  | -0.076               | 2.0                  | 1009.97                |                     |
| 1011.62                          | 4.5                 | 4' ROUNDING         | 0.35                          | 1011.51               | 12.00               | 0.068               | 208+50.00                                 | 1010.70                | -0.080               | 14.48                | 1009.54                | 10.23              | 1009.88                  | -0.080               | 2.0                  | 1009.38                |                     |
| 1011.25                          | 5.0                 | 4' ROUNDING         | -0.02                         | 1011.13               | 12.00               | 0.075               | 208+75.00                                 | 1010.23                | -0.083               | 14.80                | 1009.00                | 10.05              | 1009.39                  | -0.083               | 2.0                  | 1008.83                |                     |
| 1011.05                          | 5.1                 | 4' ROUNDING         | 0.23                          | 1010.93               | 12.00               | 0.080               | 208+90.38                                 | 1009.97                | -0.081               | 15.00                | 1008.75                | 9.97               | 1009.16                  | -0.081               | 2.0                  | 1008.59                | BEGIN FULL SUPER LT |
| 1010.90                          | 5.2                 | 4' ROUNDING         | -0.07                         | 1010.78               | 12.00               | 0.080               | 209+00.00                                 | 1009.82                | -0.082               | 15.16                | 1008.58                | 9.86               | 1009.01                  | -0.082               | 2.0                  | 1008.41                |                     |
| 1010.53                          | 5.2                 | 4' ROUNDING         | -0.51                         | 1010.41               | 12.00               | 0.080               | 209+25.00                                 | 1009.45                | -0.079               | 15.59                | 1008.21                | 9.65               | 1008.68                  | -0.079               | 2.0                  | 1008.05                |                     |
| 1010.30                          | 4.8                 | 4' ROUNDING         | 0.07                          | 1010.17               | 12.00               | 0.080               | 209+50.00                                 | 1009.21                | -0.077               | 16.02                | 1007.98                | 9.71               | 1008.46                  | -0.077               | 2.0                  | 1007.82                |                     |
| 1010.26                          | 4.6                 | 4' ROUNDING         | 0.43                          | 1010.13               | 12.00               | 0.080               | 209+56.95                                 | 1009.17                | -0.077               | 16.14                | 1007.93                | 9.99               | 1008.40                  | -0.077               | 2.0                  | 1007.78                | END FULL SUPER LT   |
| 1010.07                          | 4.3                 | 4' ROUNDING         | 1.47                          | 1009.95               | 12.00               | 0.075               | 209+75.00                                 | 1009.05                | -0.074               | 16.45                | 1007.83                | 10.53              | 1008.27                  | -0.074               | 2.0                  | 1007.69                |                     |
| 1009.97                          | 3.6                 | 0.068               | 1.76                          | 1009.73               | 12.00               | 0.068               | 210+00.00                                 | 1008.91                | -0.068               | 16.88                | 1007.75                | 11.17              | 1008.14                  | -0.068               | 2.0                  | 1007.61                |                     |
| 1009.64                          | 3.0                 | 0.062               | 3.32                          | 1009.46               | 12.00               | 0.062               | 210+25.00                                 | 1008.72                | -0.056               | 17.31                | 1007.75                | 10.29              | 1008.14                  | -0.056               | 2.0                  | 1007.64                |                     |
| 1009.11                          | 2.5                 | -0.015              | 4.33                          | 1009.14               | 12.00               | 0.055               | 210+50.00                                 | 1008.49                | -0.046               | 17.74                | 1007.67                | 10.79              | 1007.99                  | -0.046               | 2.0                  | 1007.58                |                     |
| 1008.78                          | 2.5                 | -0.022              | 5.82                          | 1008.83               | 12.00               | 0.048               | 210+75.00                                 | 1008.26                | -0.037               | 18.17                | 1007.58                | 11.20              | 1007.84                  | -0.040               | 2.0                  | 1007.50                |                     |
| 1008.68                          | 2.5                 | -0.024              | 5.79                          | 1008.74               | 12.00               | 0.046               | 210+81.95                                 | 1008.19                | -0.036               | 18.28                | 1007.53                | 11.26              | 1007.78                  | -0.040               | 2.0                  | 1007.45                | PT                  |
| 1008.44                          | 2.5                 | -0.028              | 5.92                          | 1008.51               | 12.00               | 0.042               | 211+00.00                                 | 1008.02                | -0.032               | 18.59                | 1007.42                | 11.35              | 1007.65                  | -0.040               | 2.0                  | 1007.34                |                     |
| 1008.06                          | 2.6                 | -0.035              | 6.01                          | 1008.15               | 12.00               | 0.035               | 211+25.00                                 | 1007.74                | -0.023               | 19.02                | 1007.30                | 11.14              | 1007.48                  | -0.040               | 2.0                  | 1007.22                |                     |
| 1007.73                          | 2.4                 | -0.040              | 6.51                          | 1007.82               | 12.00               | 0.028               | 211+50.00                                 | 1007.49                | -0.020               | 19.45                | 1007.10                | 11.31              | 1007.26                  | -0.040               | 2.0                  | 1007.02                |                     |
| 1007.41                          | 2.3                 | -0.040              | 6.71                          | 1007.50               | 12.00               | 0.021               | 211+75.00                                 | 1007.25                | -0.024               | 19.88                | 1006.76                | 11.35              | 1006.97                  | -0.040               | 2.0                  | 1006.68                |                     |
| 1007.12                          | 2.0                 | -0.040              | 6.67                          | 1007.20               | 12.00               | 0.015               | 212+00.00                                 | 1007.03                | -0.026               | 20.31                | 1006.50                | 11.70              | 1006.72                  | -0.040               | 2.0                  | 1006.42                |                     |
| 1006.80                          | 2.0                 | -0.040              | 5.36                          | 1006.88               | 12.00               | 0.008               | 212+25.00                                 | 1006.79                | -0.025               | 20.74                | 1006.26                | 11.67              | 1006.49                  | -0.040               | 2.0                  | 1006.18                |                     |
| 1006.48                          | 2.0                 | -0.040              | 4.54                          | 1006.56               | 12.00               | 0.001               | 212+50.00                                 | 1006.55                | -0.024               | 21.17                | 1006.05                | 11.68              | 1006.27                  | -0.040               | 2.0                  | 1005.97                |                     |
| 1006.13                          | 2.0                 | -0.040              | 3.86                          | 1006.21               | 12.00               | -0.006              | 212+75.00                                 | 1006.28                | -0.022               | 21.59                | 1005.81                | 11.73              | 1006.02                  | -0.040               | 2.0                  | 1005.73                |                     |
| 1005.79                          | 2.0                 | -0.040              | 2.55                          | 1005.87               | 12.00               | -0.012              | 213+00.00                                 | 1006.02                | -0.019               | 22.02                | 1005.80                | 11.61              | 1005.80                  | -0.040               | 2.0                  | 1005.72                |                     |
| 1005.44                          | 2.0                 | -0.040              | 0.33                          | 1005.52               | 12.00               | -0.019              | 213+25.00                                 | 1005.75                | -0.014               | 22.45                | 1005.43                | 11.69              | 1005.58                  | -0.040               | 2.0                  | 1005.35                |                     |
| 1005.15                          | 2.0                 | -0.040              | 0.00                          | 1005.23               | 12.00               | -0.026              | 213+50.00                                 | 1005.54                | -0.016               | 22.88                | 1005.17                | 11.52              | 1005.35                  | -0.040               | 2.0                  | 1005.09                | MATCH EXISTING      |

NOTES:

THE SUPERELEVATION CORRECTION FOR THE S.R. 13 CURVE AT DAWES ARBORETUM SHALL BE DONE BY PAVEMENT PLANING AND VARIABLE DEPTH ASPHALT PAVEMENT. THE CONTRACTOR SHALL COME AS CLOSE AS POSSIBLE TO MEETING THE ELEVATIONS IN THE TABLE ABOVE.

THE RIGHT SIDE OF TABLE WAS CALCULATED FROM THE PART 3 DAWES ARBORETUM TURN LANE WIDENING.

THE STATIONING IN THE TABLE ABOVE REFLECTS APPROXIMATE SLM 3.87-4.04.

THE PROPOSED PROFILE GRADE IS APPROXIMATELY 1.5" BELOW THE EXISTING PROFILE GRADE

CALCULATED  
JSL

CHECKED  
JSL

SUPERELEVATION DATA - S.R. 13 CURVE AT DAWES

LIC-13-0.00

12  
90

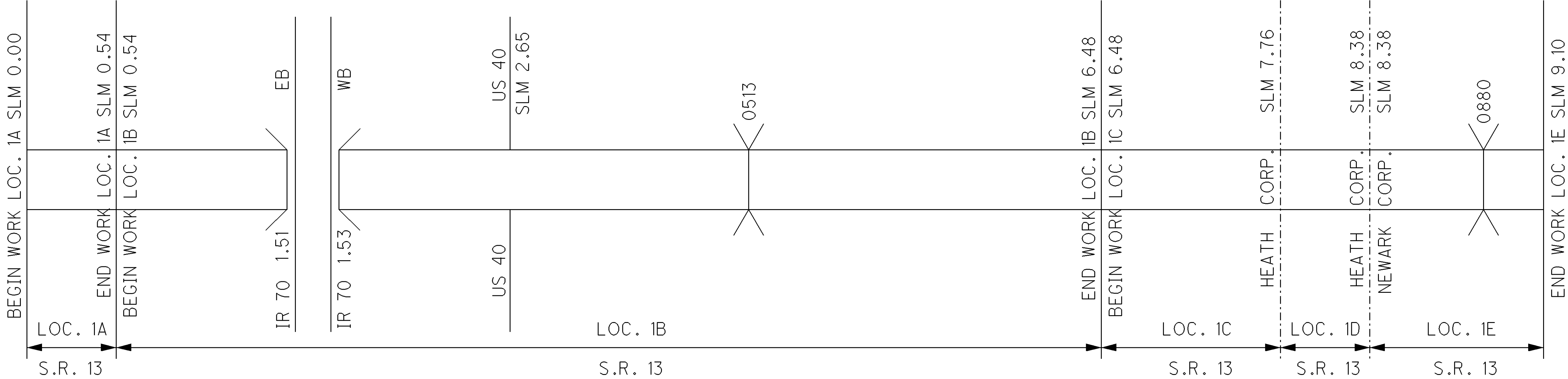


| PAVEMENT DATA                               |        |         |                     |                   |         |          |                       |         |               |                           |                                           |                                           |                                          |                                         |               |                                                     |               |                                                           |                                 |                                             |         |
|---------------------------------------------|--------|---------|---------------------|-------------------|---------|----------|-----------------------|---------|---------------|---------------------------|-------------------------------------------|-------------------------------------------|------------------------------------------|-----------------------------------------|---------------|-----------------------------------------------------|---------------|-----------------------------------------------------------|---------------------------------|---------------------------------------------|---------|
| LOCATION                                    | COUNTY | ROUTE   | BEGIN LOG POINT SLM | END LOG POINT SLM | LENGTH  |          | PAVEMENT WIDTH (FEET) | TYPICAL | PAVEMENT AREA | 254                       |                                           |                                           |                                          | 407                                     |               | 441                                                 |               |                                                           |                                 | 614                                         |         |
|                                             |        |         |                     |                   |         |          |                       |         |               | DEPTH OF PAVEMENT PLANING | PAVEMENT PLANING, ASPHALT CONCRETE, 1.50" | PAVEMENT PLANING, ASPHALT CONCRETE, 3.25" | NON-TRACKING TACK COAT @ 0.075 GAL./S.Y. | NON-TRACKING TACK COAT @ 0.05 GAL./S.Y. | S U R F A C E | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) | S U R F A C E | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 70-22M | WORK ZONE CENTER LINE, CLASS II | WORK ZONE CENTER LINE, CLASS III, 642 PAINT |         |
|                                             |        |         |                     |                   | SQ. YD. | INCHES   |                       |         |               |                           |                                           |                                           |                                          |                                         |               |                                                     |               |                                                           |                                 |                                             | SQ. YD. |
|                                             |        |         |                     |                   |         |          |                       |         |               |                           |                                           |                                           |                                          |                                         |               |                                                     |               |                                                           |                                 |                                             |         |
| LOCATION 1A TOTALS (CARRIED TO SUB-SUMMARY) |        |         |                     |                   |         |          |                       |         |               |                           | 8,729.6                                   |                                           | 654.7                                    |                                         |               |                                                     |               | 363.7                                                     |                                 | 0.54                                        |         |
|                                             |        |         |                     |                   |         |          |                       |         |               |                           |                                           |                                           |                                          |                                         |               |                                                     |               |                                                           |                                 |                                             |         |
| 1B                                          | LIC    | S.R. 13 | 0.54                | 1.15              | 0.61    | 3,220.8  | 24.0                  | 1       | 8,588.8       | 1.50                      | 8,588.8                                   |                                           | 644.2                                    |                                         |               |                                                     | 1.50          | 357.9                                                     |                                 | 0.61                                        |         |
| 1B                                          | LIC    | S.R. 13 | 1.15                | 1.23              | 0.08    | 422.4    | 30.0 AVG              | 2       | 1,408.0       | 1.50                      | 1,408.0                                   |                                           | 105.6                                    |                                         |               |                                                     | 1.50          | 58.7                                                      |                                 | 0.08                                        |         |
| 1B                                          | LIC    | S.R. 13 | 1.23                | 1.28              | 0.05    | 264.0    | 36.0                  | 2       | 1,056.0       | 1.50                      | 1,056.0                                   |                                           | 79.2                                     |                                         |               |                                                     | 1.50          | 44.0                                                      |                                 | 0.05                                        |         |
| 1B                                          | LIC    | S.R. 13 | 1.28                | 1.39              | 0.11    | 580.8    | 36.0                  | 3       | 2,323.2       | 1.50                      | 2,323.2                                   |                                           | 174.2                                    |                                         |               |                                                     | 1.50          | 96.8                                                      |                                 | 0.11                                        |         |
| 1B                                          | LIC    | S.R. 13 | 1.39                | 1.41              | 0.02    | 105.6    | 36.0                  | 1       | 422.4         | 1.50                      | 422.4                                     |                                           | 31.7                                     |                                         |               |                                                     | 1.50          | 17.6                                                      |                                 | 0.02                                        |         |
| 1B                                          | LIC    | S.R. 13 | 1.41                | 1.46              | 0.05    | 264.0    | 48.0 AVG              | 1       | 1,408.0       | 1.50                      | 1,408.0                                   |                                           | 105.6                                    |                                         |               |                                                     | 1.50          | 58.7                                                      |                                 | 0.05                                        |         |
| 1B                                          | LIC    | S.R. 13 | 1.46                | 1.75              | 0.29    | 1,531.2  | 60.0                  | 1       | 10,208.0      | 1.50                      | 10,208.0                                  |                                           | 765.6                                    |                                         |               |                                                     | 1.50          | 425.3                                                     |                                 | 0.29                                        |         |
| 1B                                          | LIC    | S.R. 13 | 1.75                | 1.87              | 0.12    | 633.6    | 48.0 AVG              | 1       | 3,379.2       | 1.50                      | 3,379.2                                   |                                           | 253.4                                    |                                         |               |                                                     | 1.50          | 140.8                                                     |                                 | 0.12                                        |         |
| 1B                                          | LIC    | S.R. 13 | 1.87                | 2.12              | 0.25    | 1,320.0  | 36.0                  | 1       | 5,280.0       | 1.50                      | 5,280.0                                   |                                           | 396.0                                    |                                         |               |                                                     | 1.50          | 220.0                                                     |                                 | 0.25                                        |         |
| 1B                                          | LIC    | S.R. 13 | 2.12                | 2.18              | 0.06    | 316.8    | 48.0                  | 1       | 1,689.6       | 1.50                      | 1,689.6                                   |                                           | 126.7                                    |                                         |               |                                                     | 1.50          | 70.4                                                      |                                 | 0.06                                        |         |
| 1B                                          | LIC    | S.R. 13 | 2.18                | 2.31              | 0.13    | 686.4    | 30.0 AVG              | 1       | 2,288.0       | 1.50                      | 2,288.0                                   |                                           | 171.6                                    |                                         |               |                                                     | 1.50          | 95.3                                                      |                                 | 0.13                                        |         |
| 1B                                          | LIC    | S.R. 13 | 2.31                | 2.64              | 0.33    | 1,742.4  | 24.0                  | 1       | 4,646.4       | 1.50                      | 4,646.4                                   |                                           | 348.5                                    |                                         |               |                                                     | 1.50          | 193.6                                                     |                                 | 0.33                                        |         |
| 1B                                          | LIC    | S.R. 13 | 2.64                | 2.81              | 0.17    | 897.6    | 24.0                  | 2       | 2,393.6       | 3.25                      |                                           | 2,393.6                                   | 179.5                                    | 119.7                                   | 1.75          | 116.4                                               | 1.50          | 99.7                                                      | 0.17                            | 0.17                                        |         |
| 1B                                          | LIC    | S.R. 13 | 2.81                | 3.87              | 1.06    | 5,596.8  | 24.0                  | 1       | 14,924.8      | 1.50                      | 14,924.8                                  |                                           | 1,119.4                                  |                                         |               |                                                     | 1.50          | 621.9                                                     |                                 | 1.06                                        |         |
| 1B                                          | LIC    | S.R. 13 | 3.87                | 4.04              | 0.17    | 897.6    | 30.0 AVG              | 1       | 2,992.0       | VAR                       |                                           | 2,992.0                                   | 224.4                                    | 149.6                                   | 4.25 AVG      | 353.3                                               | 1.50          | 124.7                                                     | 0.17                            | 0.17                                        |         |
| 1B                                          | LIC    | S.R. 13 | 4.04                | 4.10              | 0.06    | 316.8    | 36.0                  | 1       | 1,267.2       | 3.25                      |                                           | 1,267.2                                   | 95.0                                     | 63.4                                    | 1.75          | 61.6                                                | 1.50          | 52.8                                                      | 0.06                            | 0.06                                        |         |
| 1B                                          | LIC    | S.R. 13 | 4.10                | 4.24              | 0.14    | 739.2    | 30.0 AVG              | 1       | 2,464.0       | 3.25                      |                                           | 2,464.0                                   | 184.8                                    | 123.2                                   | 1.75          | 119.8                                               | 1.50          | 102.7                                                     | 0.14                            | 0.14                                        |         |
| 1B                                          | LIC    | S.R. 13 | 4.24                | 6.30              | 2.06    | 10,876.8 | 24.0                  | 1       | 29,004.8      | 1.50                      | 29,004.8                                  |                                           | 2,175.4                                  |                                         |               |                                                     | 1.50          | 1,208.5                                                   |                                 | 2.06                                        |         |
| 1B                                          | LIC    | S.R. 13 | 6.30                | 6.36              | 0.06    | 316.8    | 30.0 AVG              | 1       | 1,056.0       | 1.50                      | 1,056.0                                   |                                           | 79.2                                     |                                         |               |                                                     | 1.50          | 44.0                                                      |                                 | 0.06                                        |         |
| 1B                                          | LIC    | S.R. 13 | 6.36                | 6.48              | 0.12    | 633.6    | 36.0                  | 1       | 2,534.4       | 1.50                      | 2,534.4                                   |                                           | 190.1                                    |                                         |               |                                                     | 1.50          | 105.6                                                     |                                 | 0.12                                        |         |
|                                             |        |         |                     |                   |         |          |                       |         |               |                           |                                           |                                           |                                          |                                         |               |                                                     |               |                                                           |                                 |                                             |         |
| BRIDGE DEDUCTIONS                           |        |         |                     |                   |         |          |                       |         | (352.0)       |                           | (352.0)                                   |                                           | (26.4)                                   |                                         |               |                                                     | 1.50          | (14.7)                                                    |                                 | (0.03)                                      |         |
|                                             |        |         |                     |                   |         |          |                       |         |               |                           |                                           |                                           |                                          |                                         |               |                                                     |               |                                                           |                                 |                                             |         |
| SUB-TOTALS                                  |        |         |                     |                   |         |          |                       |         |               |                           |                                           |                                           | 7,423.7                                  | 455.9                                   |               |                                                     |               |                                                           |                                 |                                             |         |
| LOCATION 1B TOTALS (CARRIED TO SUB-SUMMARY) |        |         |                     |                   |         |          |                       |         |               |                           | 89,865.6                                  | 9,116.8                                   | 7,879.6                                  |                                         |               | 651.1                                               |               | 4,124.3                                                   | 0.54                            | 5.91                                        |         |
|                                             |        |         |                     |                   |         |          |                       |         |               |                           |                                           |                                           |                                          |                                         |               |                                                     |               |                                                           |                                 |                                             |         |
| 1C                                          | LIC    | S.R. 13 | 6.48                | 6.56              | 0.08    | 422.4    | 36.0                  | 1       | 1,689.6       | 1.50                      | 1,689.6                                   |                                           | 126.7                                    |                                         |               |                                                     | 1.50          | 70.4                                                      |                                 | 0.08                                        |         |
| 1C                                          | LIC    | S.R. 13 | 6.56                | 6.64              | 0.08    | 422.4    | 30.0 AVG              | 1       | 1,408.0       | 1.50                      | 1,408.0                                   |                                           | 105.6                                    |                                         |               |                                                     | 1.50          | 58.7                                                      |                                 | 0.08                                        |         |
| 1C                                          | LIC    | S.R. 13 | 6.64                | 7.76              | 1.12    | 5,913.6  | 24.0                  | 1       | 15,769.6      | 1.50                      | 15,769.6                                  |                                           | 1,182.7                                  |                                         |               |                                                     | 1.50          | 657.1                                                     |                                 | 1.12                                        |         |
|                                             |        |         |                     |                   |         |          |                       |         |               |                           |                                           |                                           |                                          |                                         |               |                                                     |               |                                                           |                                 |                                             |         |
| LOCATION 1C TOTALS (CARRIED TO SUB-SUMMARY) |        |         |                     |                   |         |          |                       |         |               |                           | 18,867.2                                  |                                           | 1,415.0                                  |                                         |               |                                                     |               | 786.2                                                     |                                 | 1.28                                        |         |
|                                             |        |         |                     |                   |         |          |                       |         |               |                           |                                           |                                           |                                          |                                         |               |                                                     |               |                                                           |                                 |                                             |         |
| 1D                                          | LIC    | S.R. 13 | 7.76                | 8.15              | 0.39    | 2,059.2  | 24.0                  | 1       | 5,491.2       | 1.50                      | 5,491.2                                   |                                           | 411.8                                    |                                         |               |                                                     | 1.50          | 228.8                                                     |                                 | 0.39                                        |         |
| 1D                                          | LIC    | S.R. 13 | 8.15                | 8.20              | 0.05    | 264.0    | 30.0 AVG              | 1       | 880.0         | 3.25                      |                                           | 880.0                                     | 66.0                                     | 44.0                                    | 1.75          | 42.8                                                | 1.50          | 36.7                                                      | 0.05                            | 0.05                                        |         |
| 1D                                          | LIC    | S.R. 13 | 8.20                | 8.26              | 0.06    | 316.8    | 36.0                  | 1       | 1,267.2       | 3.25                      |                                           | 1,267.2                                   | 95.0                                     | 63.4                                    | 1.75          | 61.6                                                | 1.50          | 52.8                                                      | 0.06                            | 0.06                                        |         |
| 1D                                          | LIC    | S.R. 13 | 8.26                | 8.30              | 0.04    | 211.2    | 30.0 AVG              | 1       | 704.0         | 3.25                      |                                           | 704.0                                     | 52.8                                     | 35.2                                    | 1.75          | 34.3                                                | 1.50          | 29.3                                                      | 0.04                            | 0.04                                        |         |
| 1D                                          | LIC    | S.R. 13 | 8.30                | 8.37              | 0.07    | 369.6    | 24.0                  | 1       | 985.6         | 1.50                      | 985.6                                     |                                           | 73.9                                     |                                         |               |                                                     | 1.50          | 41.1                                                      |                                 | 0.07                                        |         |
|                                             |        |         |                     |                   |         |          |                       |         |               |                           |                                           |                                           |                                          |                                         |               |                                                     |               |                                                           |                                 |                                             |         |
| SUB-TOTALS                                  |        |         |                     |                   |         |          |                       |         |               |                           |                                           |                                           | 699.5                                    | 142.6                                   |               |                                                     |               |                                                           |                                 |                                             |         |
| LOCATION 1D TOTALS (CARRIED TO SUB-SUMMARY) |        |         |                     |                   |         |          |                       |         |               |                           | 6,476.8                                   | 2,851.2                                   | 842.1                                    |                                         |               | 138.7                                               |               | 388.7                                                     | 0.15                            | 0.61                                        |         |







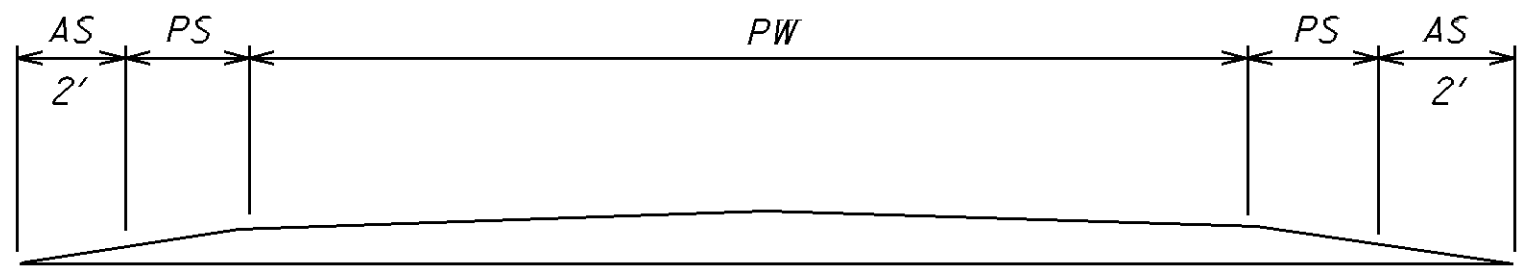


STRAIGHT LINE DIAGRAMS

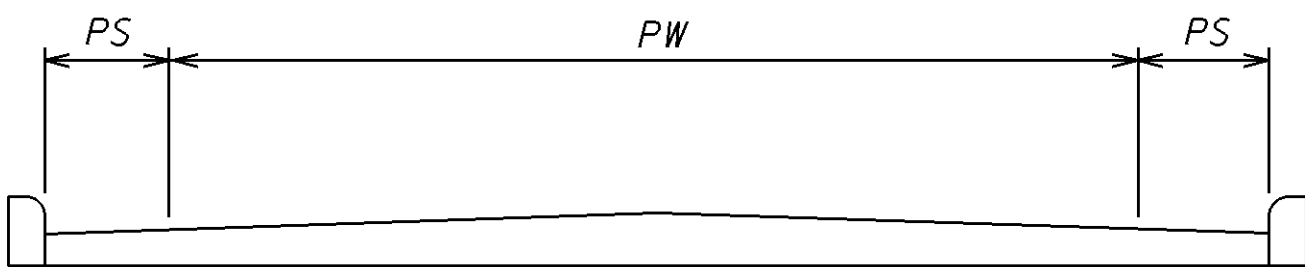


PW = PAVEMENT WIDTH  
PS = PAVED SHOULDER  
AS = AGGREGATE SHOULDER

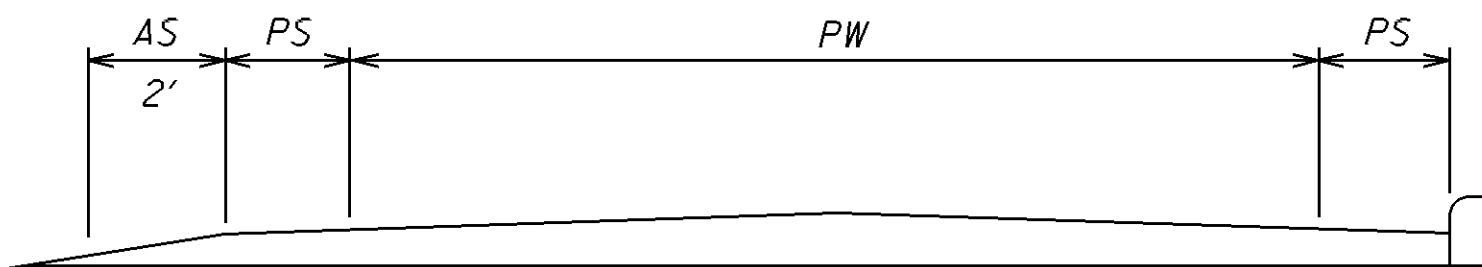
TYPICAL 1



TYPICAL 2



TYPICAL 3



| SHOULDER DATA                               |                   |         |                     |                   |        |          |         |                                                                       |    |               |                                                     |                           |                                          |                                           |                                          |                                         |                         |           |                                                     |           |                                                           |           |                                             |                      |         |
|---------------------------------------------|-------------------|---------|---------------------|-------------------|--------|----------|---------|-----------------------------------------------------------------------|----|---------------|-----------------------------------------------------|---------------------------|------------------------------------------|-------------------------------------------|------------------------------------------|-----------------------------------------|-------------------------|-----------|-----------------------------------------------------|-----------|-----------------------------------------------------------|-----------|---------------------------------------------|----------------------|---------|
| LOCATION                                    | COUNTY            | ROUTE   | BEGIN LOG POINT SLM | END LOG POINT SLM | LENGTH |          | TYPICAL | PROPOSED SHOULDER WMDTH (FT.) (WIDTHS ARE AVERAGE THROUGHOUT SECTION) |    | SHOULDER AREA | 209                                                 | 254                       |                                          |                                           |                                          | 407                                     |                         | 408       | 441                                                 |           |                                                           |           | 617                                         |                      |         |
|                                             |                   |         |                     |                   |        |          |         |                                                                       |    |               | PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN | DEPTH OF PAVEMENT PLANING | PAVEMENT PLANING, ASPHALT CONCRETE, 1.5" | PAVEMENT PLANING, ASPHALT CONCRETE, 3.25" | NON-TRACKING TACK COAT @ 0.075 GAL./S.Y. | NON-TRACKING TACK COAT @ 0.05 GAL./S.Y. | PRIME COAT, AS PER PLAN | THICKNESS | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) | THICKNESS | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 70-22M | THICKNESS | COMPACTED AGGREGATE, AS PER PLAN (2' WIDTH) | SHOULDER PREPARATION |         |
|                                             |                   |         |                     |                   | MILES  | LIN. FT. |         | A                                                                     | B  |               | SQ. YD.                                             | MILE                      | INCHES                                   | SQ. YD.                                   | SQ. YD.                                  | GAL.                                    | GAL.                    | GAL.      | INCHES                                              | CU. YD.   | INCHES                                                    | CU. YD.   | INCHES                                      | CU. YD.              | SQ. YD. |
|                                             |                   |         |                     |                   |        |          |         |                                                                       |    |               |                                                     |                           |                                          |                                           |                                          |                                         |                         |           |                                                     |           |                                                           |           |                                             |                      |         |
| 1A                                          | LIC               | S.R. 13 | 0.00                | 0.54              | 0.54   | 2851.2   | 1       | 3                                                                     | 3  | 1,900.8       | 1.08                                                | 1.50                      | 1900.8                                   |                                           | 142.6                                    |                                         | 506.9                   |           |                                                     | 1.50      | 79.2                                                      | 2.00      | 70.4                                        | 1,267.2              |         |
|                                             |                   |         |                     |                   |        |          |         |                                                                       |    |               |                                                     |                           |                                          |                                           |                                          |                                         |                         |           |                                                     |           |                                                           |           |                                             |                      |         |
| LOCATION 1A TOTALS (CARRIED TO SUB-SUMMARY) |                   |         |                     |                   |        |          |         |                                                                       |    |               | 1.08                                                |                           | 1900.8                                   |                                           | 142.6                                    |                                         | 506.9                   |           |                                                     | 79.2      |                                                           | 70.4      | 1267.2                                      |                      |         |
|                                             |                   |         |                     |                   |        |          |         |                                                                       |    |               |                                                     |                           |                                          |                                           |                                          |                                         |                         |           |                                                     |           |                                                           |           |                                             |                      |         |
| 1B                                          | LIC               | S.R. 13 | 0.54                | 1.15              | 0.61   | 3220.8   | 1       | 3                                                                     | 3  | 2,147.2       | 1.22                                                | 1.50                      | 2147.2                                   |                                           | 161.0                                    |                                         | 572.6                   |           |                                                     | 1.50      | 89.5                                                      | 2.00      | 79.5                                        | 1,431.5              |         |
| 1B                                          | LIC               | S.R. 13 | 1.15                | 1.28              | 0.13   | 686.4    | 2       | 4                                                                     | 4  | 610.1         | 0.26                                                | 1.50                      | 610.1                                    |                                           | 45.8                                     |                                         | 122.0                   |           |                                                     | 1.50      | 25.4                                                      | 2.00      | 16.9                                        | 305.1                |         |
| 1B                                          | LIC               | S.R. 13 | 1.28                | 1.39              | 0.11   | 580.8    | 3       | 4                                                                     | 4  | 516.3         | 0.22                                                | 1.50                      | 516.3                                    |                                           | 38.7                                     |                                         | 103.2                   |           |                                                     | 1.50      | 21.5                                                      | 2.00      | 14.3                                        | 258.1                |         |
| 1B                                          | LIC               | S.R. 13 | 1.39                | 1.46              | 0.07   | 369.6    | 1       | 4                                                                     | 4  | 328.5         | 0.14                                                | 1.50                      | 328.5                                    |                                           | 24.6                                     |                                         | 65.7                    |           |                                                     | 1.50      | 13.7                                                      | 2.00      | 9.1                                         | 164.3                |         |
| 1B                                          | LIC               | S.R. 13 | 1.46                | 2.28              | 0.82   | 4329.6   | 1       | 6                                                                     | 6  | 5,772.8       | 1.64                                                | 1.50                      | 5772.8                                   |                                           | 433.0                                    |                                         | 769.7                   |           |                                                     | 1.50      | 240.5                                                     | 2.00      | 106.9                                       | 1,924.3              |         |
| 1B                                          | LIC               | S.R. 13 | 2.28                | 2.64              | 0.36   | 1900.8   | 1       | 3                                                                     | 3  | 1,267.2       | 0.72                                                | 1.50                      | 1267.2                                   |                                           | 95.0                                     |                                         | 337.9                   |           |                                                     | 1.50      | 52.8                                                      | 2.00      | 46.9                                        | 844.8                |         |
| 1B                                          | LIC               | S.R. 13 | 2.64                | 2.81              | 0.17   | 897.6    | 2       | 3                                                                     | 3  | 598.4         | 0.34                                                | 3.25                      |                                          | 598.4                                     | 44.9                                     | 29.9                                    | 159.6                   | 1.75      | 29.1                                                | 1.50      | 24.9                                                      | 2.00      | 22.2                                        | 398.9                |         |
| 1B                                          | LIC               | S.R. 13 | 2.81                | 3.26              | 0.45   | 2376.0   | 1       | 3                                                                     | 3  | 1,584.0       | 0.90                                                | 1.50                      | 1584.0                                   |                                           | 118.8                                    |                                         | 422.4                   |           |                                                     | 1.50      | 66.0                                                      | 2.00      | 58.7                                        | 1,056.0              |         |
| 1B                                          | LIC               | S.R. 13 | 3.26                | 3.87              | 0.61   | 3220.8   | 1       | 2                                                                     | 2  | 1,431.5       | 1.22                                                | 1.50                      | 1431.5                                   |                                           | 107.4                                    |                                         | 572.6                   |           |                                                     | 1.50      | 59.6                                                      | 2.00      | 79.5                                        | 1,431.5              |         |
| 1B                                          | LIC               | S.R. 13 | 3.87                | 4.04              | 0.17   | 897.6    | 1       | 2                                                                     | 2  | 398.9         | 0.34                                                | VAR                       |                                          | 398.9                                     | 29.9                                     | 19.9                                    | 159.6                   | 1.75 AVG  | 19.4                                                | 1.50      | 16.6                                                      | 2.00      | 22.2                                        | 398.9                |         |
| 1B                                          | LIC               | S.R. 13 | 4.04                | 4.24              | 0.20   | 1056.0   | 1       | 2                                                                     | 2  | 469.3         | 0.40                                                | 3.25                      |                                          | 469.3                                     | 35.2                                     | 23.5                                    | 187.7                   | 1.75      | 22.8                                                | 1.50      | 19.6                                                      | 2.00      | 26.1                                        | 469.3                |         |
| 1B                                          | LIC               | S.R. 13 | 4.24                | 5.07              | 0.83   | 4382.4   | 1       | 2                                                                     | 2  | 1,947.7       | 1.66                                                | 1.50                      | 1947.7                                   |                                           | 146.1                                    |                                         | 779.1                   |           |                                                     | 1.50      | 81.2                                                      | 2.00      | 108.2                                       | 1,947.7              |         |
| 1B                                          | LIC               | S.R. 13 | 5.07                | 5.18              | 0.11   | 580.8    | 1       | 8                                                                     | 8  | 1,032.5       | 0.22                                                | 1.50                      | 1032.5                                   |                                           | 77.4                                     |                                         | 103.2                   |           |                                                     | 1.50      | 43.0                                                      | 2.00      | 14.3                                        | 258.1                |         |
| 1B                                          | LIC               | S.R. 13 | 5.18                | 6.23              | 1.05   | 5544.0   | 1       | 2                                                                     | 2  | 2,464.0       | 2.10                                                | 1.50                      | 2464.0                                   |                                           | 184.8                                    |                                         | 985.6                   |           |                                                     | 1.50      | 102.7                                                     | 2.00      | 136.9                                       | 2,464.0              |         |
| 1B                                          | LIC               | S.R. 13 | 6.23                | 6.48              | 0.25   | 1320.0   | 1       | 10                                                                    | 10 | 2,933.3       | 0.50                                                | 1.50                      | 2933.3                                   |                                           | 220.0                                    |                                         | 234.7                   |           |                                                     | 1.50      | 122.2                                                     | 2.00      | 32.6                                        | 586.7                |         |
|                                             |                   |         |                     |                   |        |          |         |                                                                       |    |               |                                                     |                           |                                          |                                           |                                          |                                         |                         |           |                                                     |           |                                                           |           |                                             |                      |         |
|                                             | BRIDGE DEDUCTIONS |         |                     |                   |        |          |         |                                                                       |    | (234.7)       | (0.10)                                              |                           | (234.7)                                  |                                           | (17.6)                                   |                                         | (93.9)                  |           |                                                     | 1.50      | (9.78)                                                    | 2.00      | (13.0)                                      | (234.7)              |         |
|                                             |                   |         |                     |                   |        |          |         |                                                                       |    |               |                                                     |                           |                                          |                                           |                                          |                                         |                         |           |                                                     |           |                                                           |           |                                             |                      |         |
| SUB-TOTALS                                  |                   |         |                     |                   |        |          |         |                                                                       |    |               |                                                     |                           |                                          |                                           |                                          | 1745.0                                  | 73.3                    |           |                                                     |           |                                                           |           |                                             |                      |         |
| LOCATION 1B TOTALS (CARRIED TO SUB-SUMMARY) |                   |         |                     |                   |        |          |         |                                                                       |    |               | 11.78                                               |                           | 21800.4                                  | 1466.6                                    | 1818.3                                   |                                         | 5481.7                  |           | 71.3                                                |           | 969.4                                                     |           | 761.3                                       | 13704.5              |         |
|                                             |                   |         |                     |                   |        |          |         |                                                                       |    |               |                                                     |                           |                                          |                                           |                                          |                                         |                         |           |                                                     |           |                                                           |           |                                             |                      |         |
| 1C                                          | LIC               | S.R. 13 | 6.48                | 6.68              | 0.20   | 1056.0   | 1       | 10                                                                    | 10 | 2,346.7       | 0.40                                                | 1.50                      | 2346.7                                   |                                           | 176.0                                    |                                         | 187.7                   |           |                                                     | 1.50      | 97.8                                                      | 2.00      | 26.1                                        | 469.3                |         |
| 1C                                          | LIC               | S.R. 13 | 6.68                | 7.76              | 1.08   | 5702.4   | 1       | 2                                                                     | 2  | 2,534.4       | 2.16                                                | 1.50                      | 2534.4                                   |                                           | 190.1                                    |                                         | 1,013.8                 |           |                                                     | 1.50      | 105.6                                                     | 2.00      | 140.8                                       | 2,534.4              |         |
|                                             |                   |         |                     |                   |        |          |         |                                                                       |    |               |                                                     |                           |                                          |                                           |                                          |                                         |                         |           |                                                     |           |                                                           |           |                                             |                      |         |
| LOCATION 1C TOTALS (CARRIED TO SUB-SUMMARY) |                   |         |                     |                   |        |          |         |                                                                       |    |               | 2.56                                                |                           | 4881.1                                   |                                           | 366.1                                    |                                         | 1201.5                  |           |                                                     |           | 203.4                                                     |           | 166.9                                       | 3003.7               |         |
|                                             |                   |         |                     |                   |        |          |         |                                                                       |    |               |                                                     |                           |                                          |                                           |                                          |                                         |                         |           |                                                     |           |                                                           |           |                                             |                      |         |
| 1D                                          | LIC               | S.R. 13 | 7.76                | 8.15              | 0.39   | 2059.2   | 1       | 2                                                                     | 2  | 915.2         | 0.78                                                | 1.50                      | 915.2                                    |                                           | 68.6                                     |                                         | 366.1                   |           |                                                     | 1.50      | 38.1                                                      | 2.00      | 50.8                                        | 915.2                |         |
| 1D                                          | LIC               | S.R. 13 | 8.15                | 8.30              | 0.15   | 792.0    | 1       | 2                                                                     | 2  | 352.0         | 0.30                                                | 3.25                      |                                          | 352.0                                     | 26.4                                     | 17.6                                    | 140.8                   | 1.75      | 17.1                                                | 1.50      | 14.7                                                      | 2.00      | 19.6                                        | 352.0                |         |
| 1D                                          | LIC               | S.R. 13 | 8.30                | 8.37              | 0.07   | 369.6    | 1       | 2                                                                     | 2  | 164.3         | 0.14                                                | 1.50                      | 164.3                                    |                                           | 12.3                                     |                                         | 65.7                    |           |                                                     | 1.50      | 6.8                                                       | 2.00      | 9.1                                         | 164.3                |         |
|                                             |                   |         |                     |                   |        |          |         |                                                                       |    |               |                                                     |                           |                                          |                                           |                                          |                                         |                         |           |                                                     |           |                                                           |           |                                             |                      |         |
| SUB-TOTALS                                  |                   |         |                     |                   |        |          |         |                                                                       |    |               |                                                     |                           |                                          |                                           |                                          | 107.3                                   | 17.6                    |           |                                                     |           |                                                           |           |                                             |                      |         |
| LOCATION 1D TOTALS (CARRIED TO SUB-SUMMARY) |                   |         |                     |                   |        |          |         |                                                                       |    |               | 1.22                                                |                           | 1079.5                                   | 352.0                                     | 124.9                                    |                                         | 572.6                   |           | 17.1                                                |           | 59.6                                                      |           | 79.5                                        | 1,431.5              |         |

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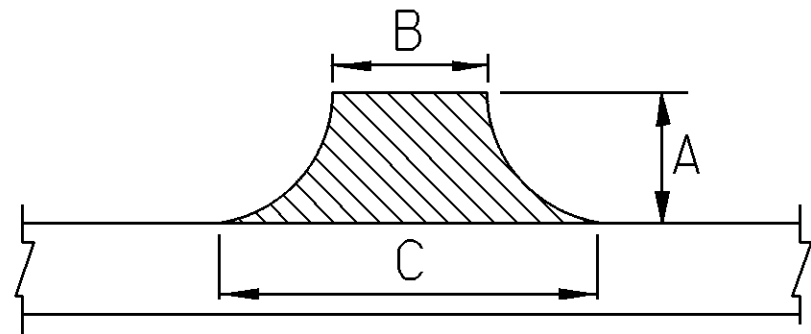
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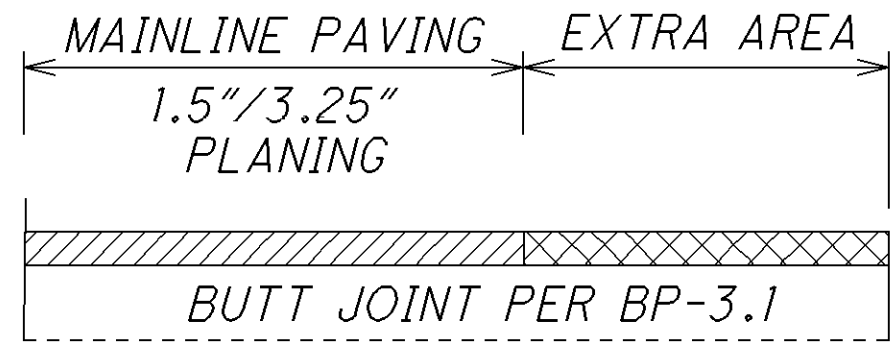
| EXTRA AREAS                                 |        |         |      |                            |                           |                                                |                                               |         |           |                                                           |           |                                                                |         |        |         |
|---------------------------------------------|--------|---------|------|----------------------------|---------------------------|------------------------------------------------|-----------------------------------------------|---------|-----------|-----------------------------------------------------------|-----------|----------------------------------------------------------------|---------|--------|---------|
| LOCATION                                    | COUNTY | ROUTE   | SIDE | DESCRIPTION                | INTERSECTIONS DIMENSIONS  |                                                |                                               | AREA    | 202       | 407                                                       |           | 441                                                            |         |        |         |
|                                             |        |         |      |                            | WEARING COURSE<br>REMOVED | NON-TRACKING<br>TACK COAT @ 0.075<br>GAL./S.Y. | NON-TRACKING<br>TACK COAT<br>@ 0.05 GAL./S.Y. |         | THICKNESS | ASPHALT CONCRETE<br>INTERMEDIATE COURSE,<br>TYPE 2, (448) | THICKNESS | ASPHALT CONCRETE<br>SURFACE COURSE,<br>TYPE 1, (448), PG 64-22 |         |        |         |
|                                             |        |         |      |                            |                           |                                                |                                               |         |           |                                                           |           |                                                                | A       | B      | C       |
|                                             |        |         |      |                            | FT.                       | FT.                                            | FT.                                           | SQ. YD. | SQ. YD.   | GAL.                                                      | GAL.      | INCHES                                                         | CU. YD. | INCHES | CU. YD. |
|                                             |        |         |      |                            |                           |                                                |                                               |         |           |                                                           |           |                                                                |         |        |         |
| 1A                                          | LIC    | S.R. 13 | RT   | BOUNDARIES RD (CR 9)       | 50                        | 35                                             | 113                                           | 411.2   | 411.2     | 30.9                                                      |           |                                                                |         | 1.50   | 17.2    |
| 1A                                          | LIC    | S.R. 13 | LT   | LAKE SHORE BLVD (TWP 196)  | 23                        | 21                                             | 58                                            | 101.0   | 101.0     | 7.6                                                       |           |                                                                |         | 1.50   | 4.3     |
| 1A                                          | LIC    | S.R. 13 | LT   | PARK DRIVE (TWP 197)       | 25                        | 16                                             | 61                                            | 107.0   | 107.0     | 8.1                                                       |           |                                                                |         | 1.50   | 4.5     |
| 1A                                          | LIC    | S.R. 13 | LT   | MAPLE AVE (TWP 433)        | 19                        | 19                                             | 55                                            | 78.2    | 78.2      | 5.9                                                       |           |                                                                |         | 1.50   | 3.3     |
| 1A                                          | LIC    | S.R. 13 | LT   | MILLER AVE                 | 20                        | 11                                             | 39                                            | 55.6    | 55.6      | 4.2                                                       |           |                                                                |         | 1.50   | 2.4     |
| 1A                                          | LIC    | S.R. 13 | LT   | EDGEWATER (TWP 196)        | 22                        | 20                                             | 58                                            | 95.4    | 95.4      | 7.2                                                       |           |                                                                |         | 1.50   | 4.0     |
| 1A                                          | LIC    | S.R. 13 | LT   | CRISTLAND HILL RD (CR 596) | 41                        | 25                                             | 79                                            | 236.9   | 236.9     | 17.8                                                      |           |                                                                |         | 1.50   | 9.9     |
|                                             |        |         |      |                            |                           |                                                |                                               |         |           |                                                           |           |                                                                |         |        |         |
| LOCATION 1A TOTALS (CARRIED TO SUB-SUMMARY) |        |         |      |                            |                           |                                                |                                               |         | 1,085.3   | 81.7                                                      |           |                                                                |         |        | 45.6    |
|                                             |        |         |      |                            |                           |                                                |                                               |         |           |                                                           |           |                                                                |         |        |         |
| 1B                                          | LIC    | S.R. 13 | RT   | KINDLE RD (TWP 325)        | 15                        | 21                                             | 46                                            | 55.9    | 55.9      | 4.2                                                       |           |                                                                |         | 1.50   | 2.4     |
| 1B                                          | LIC    | S.R. 13 | LT   | SOUTH ST                   | 15                        | 21                                             | 46                                            | 55.9    | 55.9      | 4.2                                                       |           |                                                                |         | 1.50   | 2.4     |
| 1B                                          | LIC    | S.R. 13 | LT   | SECOND ST                  | 21                        | 17                                             | 42                                            | 68.9    | 68.9      | 5.2                                                       |           |                                                                |         | 1.50   | 2.9     |
| 1B                                          | LIC    | S.R. 13 | LT   | US 40 (WEST SIDE)          | 32                        | 28                                             | 84                                            | 199.2   | 199.2     | 15.0                                                      | 10.0      | 1.75                                                           | 9.7     | 1.50   | 8.3     |
| 1B                                          | LIC    | S.R. 13 | RT   | US 40 (EAST SIDE)          | 50                        | 38                                             | 100                                           | 383.4   | 383.4     | 28.8                                                      | 19.2      | 1.75                                                           | 18.7    | 1.50   | 16.0    |
| 1B                                          | LIC    | S.R. 13 | LT   | STADDEN ALLEY              | 10                        | 12                                             | 20                                            | 17.8    | 17.8      | 1.4                                                       |           |                                                                |         | 1.50   | 0.8     |
| 1B                                          | LIC    | S.R. 13 | LT   | LARASON AVE                | 24                        | 12                                             | 42                                            | 72.0    | 72.0      | 5.4                                                       |           |                                                                |         | 1.50   | 3.0     |
| 1B                                          | LIC    | S.R. 13 | LT   | NORTH AVE                  | 31                        | 15                                             | 52                                            | 115.4   | 115.4     | 8.7                                                       |           |                                                                |         | 1.50   | 4.9     |
| 1B                                          | LIC    | S.R. 13 | LT   | COOPER RD                  | 32                        | 18                                             | 49                                            | 119.2   | 119.2     | 9.0                                                       |           |                                                                |         | 1.50   | 5.0     |
| 1B                                          | LIC    | S.R. 13 | LT   | RIDGELY TRACT RD (TWP 308) | 24                        | 11                                             | 30                                            | 54.7    | 54.7      | 4.2                                                       |           |                                                                |         | 1.50   | 2.3     |
| 1B                                          | LIC    | S.R. 13 | RT   | ONE MILE RD                | 22                        | 20                                             | 42                                            | 75.8    | 75.8      | 5.7                                                       |           |                                                                |         | 1.50   | 3.2     |
| 1B                                          | LIC    | S.R. 13 | RT   | WOODLAND DRIVE             | 19                        | 34                                             | 43                                            | 81.3    | 81.3      | 6.1                                                       |           |                                                                |         | 1.50   | 3.4     |
| 1B                                          | LIC    | S.R. 13 | RT   | HUPP RD (TWP 309)          | 35                        | 17                                             | 71                                            | 171.2   | 171.2     | 12.9                                                      |           |                                                                |         | 1.50   | 7.2     |
| 1B                                          | LIC    | S.R. 13 | LT   | DAVIS DRIVE (TWP 309)      | 27                        | 20                                             | 49                                            | 103.5   | 103.5     | 7.8                                                       |           |                                                                |         | 1.50   | 4.4     |
| 1B                                          | LIC    | S.R. 13 | RT   | HIRST RD (CR 310)          | 35                        | 20                                             | 50                                            | 136.2   | 136.2     | 10.3                                                      |           |                                                                |         | 1.50   | 5.7     |
| 1B                                          | LIC    | S.R. 13 | LT   | WHITE CHAPEL RD (TWP 306)  | 32                        | 21                                             | 53                                            | 131.6   | 131.6     | 9.9                                                       |           |                                                                |         | 1.50   | 5.5     |
| 1B                                          | LIC    | S.R. 13 | RT   | WHITE CHAPEL RD (TWP 306)  | 23                        | 16                                             | 46                                            | 79.3    | 79.3      | 6.0                                                       |           |                                                                |         | 1.50   | 3.4     |
| 1B                                          | LIC    | S.R. 13 | LT   | SANDY LANE                 | 25                        | 19                                             | 47                                            | 91.7    | 91.7      | 6.9                                                       |           |                                                                |         | 1.50   | 3.9     |
| 1B                                          | LIC    | S.R. 13 | LT   | KIRBY RD                   | 21                        | 20                                             | 44                                            | 74.7    | 74.7      | 5.7                                                       |           |                                                                |         | 1.50   | 3.2     |
| 1B                                          | LIC    | S.R. 13 | RT   | AT TRAILER PARK            | 19                        | 31                                             | 65                                            | 101.4   | 101.4     | 7.7                                                       |           |                                                                |         | 1.50   | 4.3     |
| 1B                                          | LIC    | S.R. 13 | LT   | DORSEY MILL RD (CR 343)    | 75                        | 40                                             | 190                                           | 958.4   | 958.4     | 71.9                                                      |           |                                                                |         | 1.50   | 40.0    |
| 1B                                          | LIC    | S.R. 13 | RT   | DORSEY MILL RD (CR 343)    | 75                        | 40                                             | 190                                           | 958.4   | 958.4     | 71.9                                                      |           |                                                                |         | 1.50   | 40.0    |
|                                             |        |         |      |                            |                           |                                                |                                               |         |           |                                                           |           |                                                                |         |        |         |
| SUB-TOTALS                                  |        |         |      |                            |                           |                                                |                                               |         |           | 308.9                                                     | 29.2      |                                                                |         |        |         |
| LOCATION 1B TOTALS (CARRIED TO SUB-SUMMARY) |        |         |      |                            |                           |                                                |                                               |         | 4,105.9   | 338.1                                                     |           |                                                                | 28.4    |        | 172.2   |
|                                             |        |         |      |                            |                           |                                                |                                               |         |           |                                                           |           |                                                                |         |        |         |
| 1D                                          | LIC    | S.R. 13 | RT   | HOPEWELL DR.               | 50                        | 24                                             | 98                                            | 338.9   | 338.9     | 25.5                                                      |           |                                                                |         | 1.50   | 14.2    |
|                                             |        |         |      |                            |                           |                                                |                                               |         |           |                                                           |           |                                                                |         |        |         |
| LOCATION 1D TOTALS (CARRIED TO SUB-SUMMARY) |        |         |      |                            |                           |                                                |                                               |         | 338.9     | 25.5                                                      |           |                                                                |         |        | 14.2    |
|                                             |        |         |      |                            |                           |                                                |                                               |         |           |                                                           |           |                                                                |         |        |         |



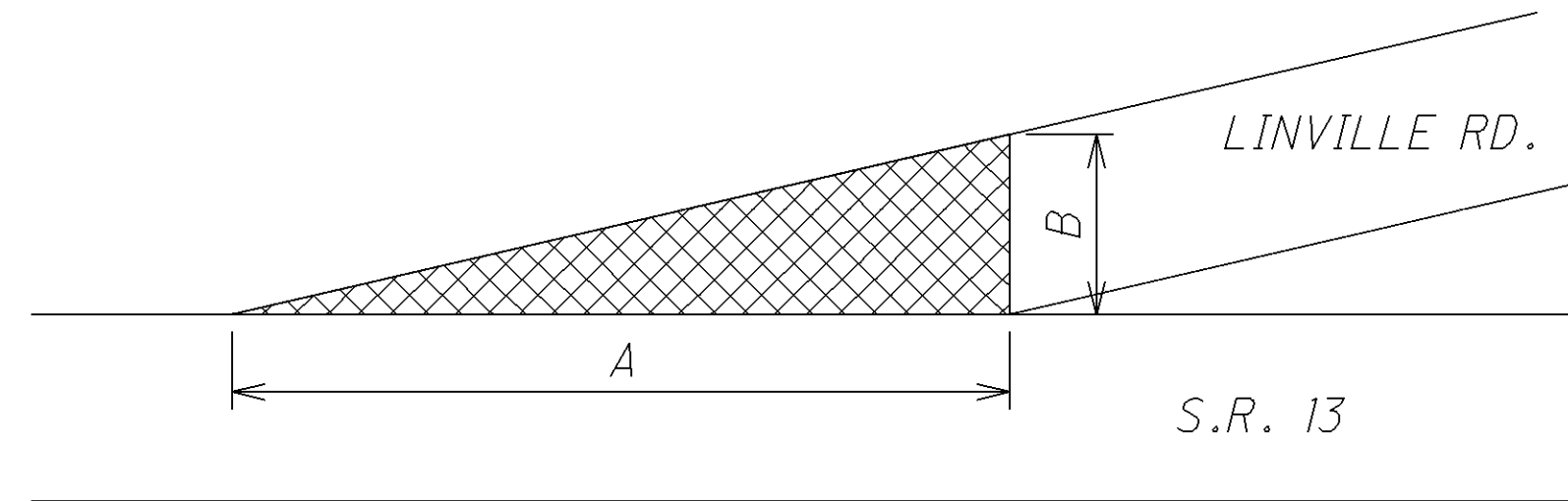
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$$AREA = \left[ A \frac{(B + C)}{2} \right] / 9$$



NOTES:  
1. AREAS SHOWN IN THE TABLE  
WITH INTERMEDIATE COURSE  
SHALL HAVE 3.25" DEPTH BUTT  
JOINT AND 2 COURSES OF  
ASPHALT SHALL BE PLACED.



| EXTRA AREAS                                 |                            |                       |                  |                                                     |                                                                                                                 |      |        |                  |                                                                                                      |                                                                                                                                                 |                                                                                                                                                |                                           |                                                                                                                                                                                                               |                                           |                                                                                                                                                                                               |
|---------------------------------------------|----------------------------|-----------------------|------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------|--------|------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L<br>O<br>C<br>A<br>T<br>I<br>O<br>N        | C<br>O<br>U<br>N<br>T<br>Y | R<br>O<br>U<br>T<br>E | S<br>I<br>D<br>E | D<br>E<br>S<br>C<br>R<br>I<br>P<br>T<br>I<br>O<br>N | I<br>N<br>T<br>E<br>R<br>S<br>E<br>C<br>T<br>I<br>O<br>N<br>S<br>D<br>I<br>M<br>E<br>N<br>S<br>I<br>O<br>N<br>S |      |        | A<br>R<br>E<br>A | 202                                                                                                  | 407                                                                                                                                             |                                                                                                                                                | 441                                       |                                                                                                                                                                                                               |                                           |                                                                                                                                                                                               |
|                                             |                            |                       |                  |                                                     |                                                                                                                 |      |        |                  | W<br>E<br>A<br>R<br>I<br>N<br>G<br>C<br>O<br>U<br>R<br>S<br>E<br><br>R<br>E<br>M<br>O<br>V<br>E<br>D | N<br>O<br>N<br>-<br>T<br>R<br>A<br>C<br>K<br>I<br>N<br>G<br><br>T<br>A<br>C<br>K<br>C<br>O<br>A<br>T<br><br>@<br>0.075<br>G<br>A<br>L.<br>/S.Y. | N<br>O<br>N<br>-<br>T<br>R<br>A<br>C<br>K<br>I<br>N<br>G<br><br>T<br>A<br>C<br>K<br>C<br>O<br>A<br>T<br><br>@<br>0.05<br>G<br>A<br>L.<br>/S.Y. | T<br>H<br>I<br>C<br>K<br>N<br>E<br>S<br>S | A<br>S<br>P<br>H<br>A<br>L<br>T<br>C<br>O<br>N<br>C<br>R<br>E<br>T<br>E<br><br>I<br>N<br>T<br>E<br>R<br>M<br>E<br>D<br>I<br>A<br>T<br>E<br>C<br>O<br>U<br>R<br>S<br>E,<br><br>T<br>Y<br>P<br>E<br>1,<br>(448) | T<br>H<br>I<br>C<br>K<br>N<br>E<br>S<br>S | A<br>S<br>P<br>H<br>A<br>L<br>T<br>C<br>O<br>N<br>C<br>R<br>E<br>T<br>E<br><br>S<br>U<br>R<br>F<br>A<br>C<br>E<br>C<br>O<br>U<br>R<br>S<br>E,<br><br>T<br>Y<br>P<br>E<br>1,<br>(448),PG 64-22 |
|                                             |                            |                       |                  |                                                     | A                                                                                                               | B    | C      |                  | SQ. YD.                                                                                              | SQ. YD.                                                                                                                                         | GAL.                                                                                                                                           | GAL.                                      | INCHES                                                                                                                                                                                                        | CU. YD.                                   | INCHES                                                                                                                                                                                        |
| FT.                                         | FT.                        | FT.                   | SQ. YD.          | SQ. YD.                                             | GAL.                                                                                                            | GAL. | INCHES | CU. YD.          | INCHES                                                                                               | CU. YD.                                                                                                                                         |                                                                                                                                                |                                           |                                                                                                                                                                                                               |                                           |                                                                                                                                                                                               |
| 1E                                          | LIC                        | S.R. 13               | RT               | LINVILLE RD.                                        | 82                                                                                                              | 53   |        | 241.5            | 241.5                                                                                                | 18.2                                                                                                                                            |                                                                                                                                                |                                           | 1.50                                                                                                                                                                                                          | 10.1                                      |                                                                                                                                                                                               |
| 1E                                          | LIC                        | S.R. 13               | LT               | ORCHARD ST.                                         | 15                                                                                                              | 24   | 45     | 57.5             | 57.5                                                                                                 | 4.4                                                                                                                                             |                                                                                                                                                |                                           | 1.50                                                                                                                                                                                                          | 2.4                                       |                                                                                                                                                                                               |
| 1E                                          | LIC                        | S.R. 13               | RT               | BONER ST.                                           | 20                                                                                                              | 24   | 45     | 76.7             | 76.7                                                                                                 | 5.8                                                                                                                                             |                                                                                                                                                |                                           | 1.50                                                                                                                                                                                                          | 3.2                                       |                                                                                                                                                                                               |
| 1E                                          | LIC                        | S.R. 13               | LT               | GAINOR AVE.                                         | 12                                                                                                              | 23   | 40     | 42.0             | 42.0                                                                                                 | 3.2                                                                                                                                             |                                                                                                                                                |                                           | 1.50                                                                                                                                                                                                          | 1.8                                       |                                                                                                                                                                                               |
| 1E                                          | LIC                        | S.R. 13               | RT               | ISABELL RD.                                         | 20                                                                                                              | 40   | 50     | 100.0            | 100.0                                                                                                | 7.5                                                                                                                                             |                                                                                                                                                |                                           | 1.50                                                                                                                                                                                                          | 4.2                                       |                                                                                                                                                                                               |
| 1E                                          | LIC                        | S.R. 13               | LT               | PROSPECT ST.                                        | 16                                                                                                              | 24   | 36     | 53.4             | 53.4                                                                                                 | 4.1                                                                                                                                             |                                                                                                                                                |                                           | 1.50                                                                                                                                                                                                          | 2.3                                       |                                                                                                                                                                                               |
| 1E                                          | LIC                        | S.R. 13               | LT               | WILWOOD AVE.                                        | 40                                                                                                              | 24   | 60     | 186.7            | 186.7                                                                                                | 14.1                                                                                                                                            |                                                                                                                                                |                                           | 1.50                                                                                                                                                                                                          | 7.8                                       |                                                                                                                                                                                               |
| 1E                                          | LIC                        | S.R. 13               | LT               | S. 5TH ST.                                          | 36                                                                                                              | 38   | 70     | 216.0            | 216.0                                                                                                | 16.2                                                                                                                                            |                                                                                                                                                |                                           | 1.50                                                                                                                                                                                                          | 9.0                                       |                                                                                                                                                                                               |
| 1E                                          | LIC                        | S.R. 13               | RT               | W. NATIONAL DR.                                     | 30                                                                                                              | 34   | 64     | 163.4            | 163.4                                                                                                | 12.3                                                                                                                                            |                                                                                                                                                |                                           | 1.50                                                                                                                                                                                                          | 6.9                                       |                                                                                                                                                                                               |
|                                             |                            |                       |                  |                                                     |                                                                                                                 |      |        |                  |                                                                                                      |                                                                                                                                                 |                                                                                                                                                |                                           |                                                                                                                                                                                                               |                                           |                                                                                                                                                                                               |
| LOCATION 1E TOTALS (CARRIED TO SUB-SUMMARY) |                            |                       |                  |                                                     |                                                                                                                 |      |        |                  | 1,137.2                                                                                              | 85.8                                                                                                                                            |                                                                                                                                                |                                           |                                                                                                                                                                                                               | 47.7                                      |                                                                                                                                                                                               |
|                                             |                            |                       |                  |                                                     |                                                                                                                 |      |        |                  |                                                                                                      |                                                                                                                                                 |                                                                                                                                                |                                           |                                                                                                                                                                                                               |                                           |                                                                                                                                                                                               |

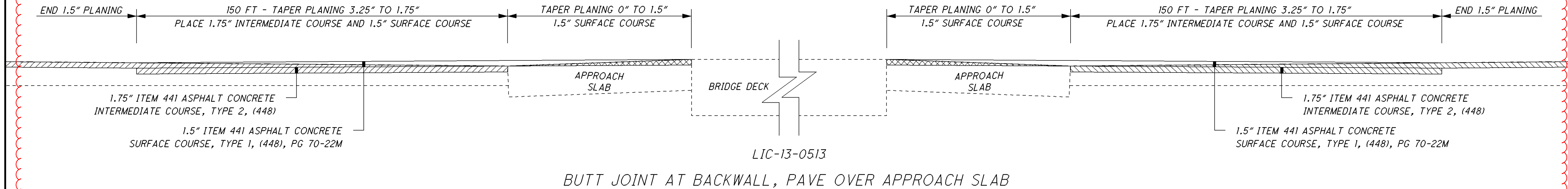
EXTRA AREA DATA

LIC-13-0.00

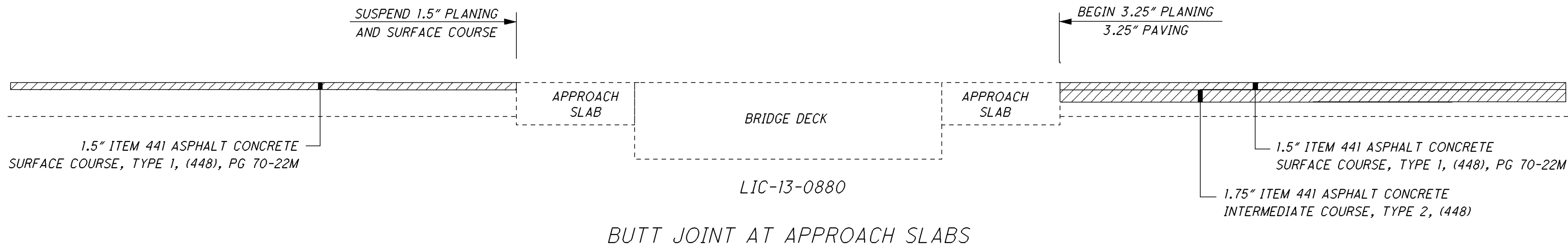


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DETAIL 1



DETAIL 2

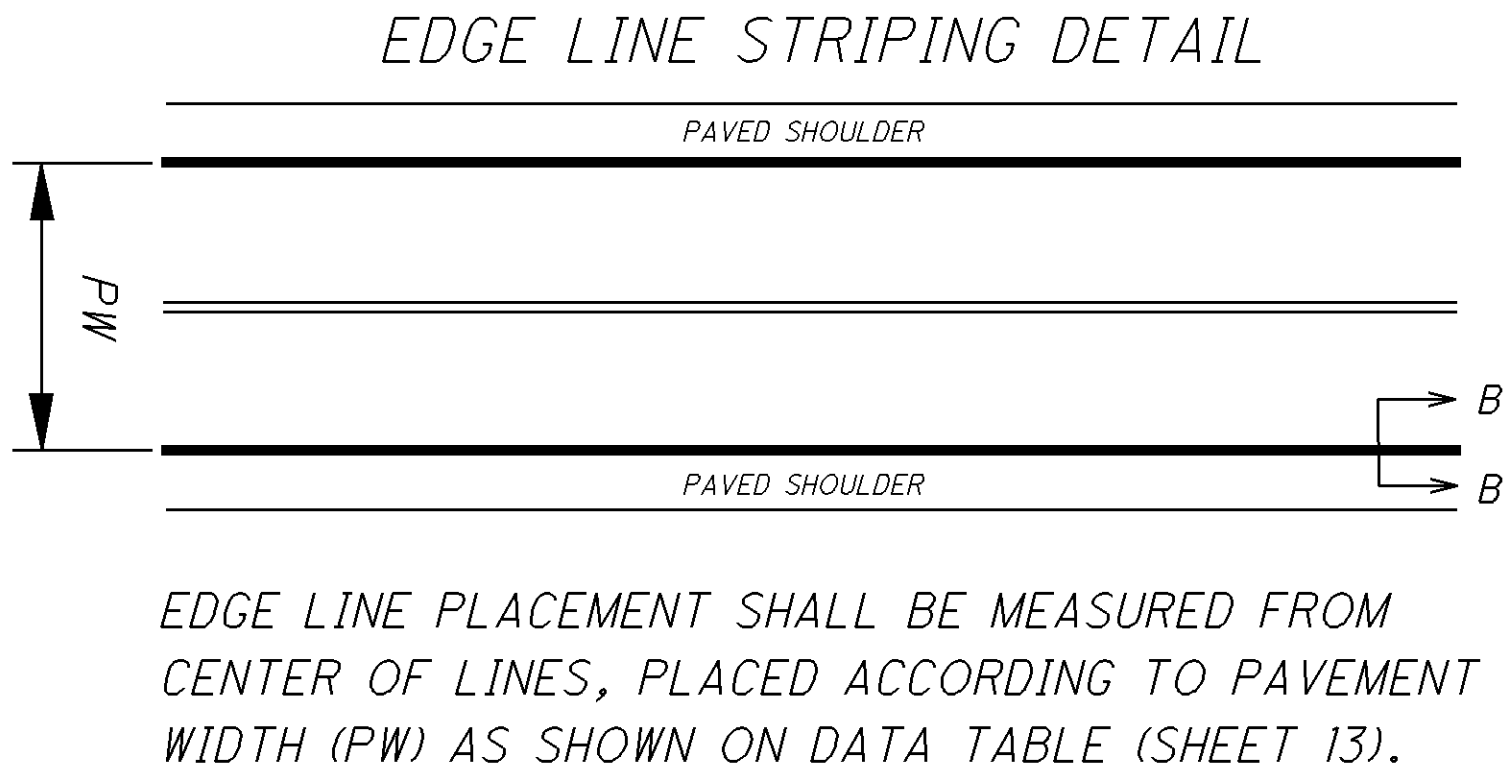


| BRIDGE TREATMENT DATA |                                             |                                  |          |         |                         |                        |                                                         |                                        |                                                  |                                              |                                    |                           |                                |                               |           |                                                           |           |                                                                 |                      |                                      |
|-----------------------|---------------------------------------------|----------------------------------|----------|---------|-------------------------|------------------------|---------------------------------------------------------|----------------------------------------|--------------------------------------------------|----------------------------------------------|------------------------------------|---------------------------|--------------------------------|-------------------------------|-----------|-----------------------------------------------------------|-----------|-----------------------------------------------------------------|----------------------|--------------------------------------|
| NOTES                 | COUNTY, ROUTE, BRIDGE NO.                   | LENGTH<br>(BRIDGE LIMITS)        | WIDTH    | AREA    | APPROACH SLAB<br>LENGTH | APPROACH SLAB<br>WIDTH | APPROACH SLAB<br>AREA (INCLUDES BOTH<br>APPROACH SLABS) | BRIDGE DECK DETAIL<br>(SEE THIS SHEET) | MAINLINE DEDUCTIONS<br>(CARRIED TO SHEETS 13,14) | SHOULDER DEDUCTIONS<br>(CARRIED TO SHEET 16) | 202                                |                           | 407                            |                               | 441       |                                                           |           |                                                                 | 512                  | 516                                  |
|                       |                                             | LIN. FT.                         | LIN. FT. | SQ. YD. | LIN. FT.                | LIN. FT.               | SQ. YD.                                                 |                                        | SQ. YD.                                          | SQ. YD.                                      | DEPTH OF WEARING<br>COURSE REMOVED | WEARING COURSE<br>REMOVED | TACK COAT<br>@ 0.075 GAL./S.Y. | TACK COAT<br>@ 0.05 GAL./S.Y. | THICKNESS | ASPHALT CONCRETE<br>INTERMEDIATE COURSE,<br>TYPE 1, (448) | THICKNESS | ASPHALT CONCRETE<br>SURFACE COURSE,<br>TYPE 1, (448), PG 70-22M | TYPE 3 WATERPROOFING | 2" DEEP JOINT SEALER,<br>AS PER PLAN |
|                       |                                             |                                  |          |         |                         |                        |                                                         |                                        |                                                  |                                              |                                    |                           |                                |                               |           |                                                           |           |                                                                 |                      |                                      |
| 1B                    | LIC-13-0151                                 | OVERHEAD - MILL AND FILL ROADWAY |          |         |                         |                        |                                                         |                                        |                                                  |                                              |                                    |                           |                                |                               |           |                                                           |           |                                                                 |                      |                                      |
| 1B                    | LIC-13-0513                                 | 92.0                             | 43.3     | 442.7   | 20.0                    | 43.0                   | 191.1                                                   | 1                                      | 352.0                                            | 234.7                                        |                                    |                           | 14.3                           |                               |           | 1.50                                                      | 8.0       |                                                                 |                      | 86                                   |
|                       |                                             |                                  |          |         |                         |                        |                                                         |                                        |                                                  |                                              |                                    |                           |                                |                               |           |                                                           |           |                                                                 |                      |                                      |
|                       | BRIDGE DEDUCTIONS                           |                                  |          |         |                         |                        |                                                         |                                        | 352.0                                            | 234.7                                        |                                    |                           |                                |                               |           |                                                           |           |                                                                 |                      |                                      |
|                       | LOCATION 1B TOTALS (CARRIED TO SUB-SUMMARY) |                                  |          |         |                         |                        |                                                         |                                        |                                                  |                                              |                                    |                           | 14.3                           |                               |           |                                                           | 8.0       |                                                                 |                      | 86                                   |
|                       |                                             |                                  |          |         |                         |                        |                                                         |                                        |                                                  |                                              |                                    |                           |                                |                               |           |                                                           |           |                                                                 |                      |                                      |
| 1E                    | LIC-13-0880                                 | 202.0                            | 35.8     | 803.6   | 20.0                    | 28.0                   | 124.4                                                   | 2                                      | 537.8                                            |                                              |                                    |                           |                                |                               |           |                                                           |           |                                                                 |                      | 56                                   |
|                       |                                             |                                  |          |         |                         |                        |                                                         |                                        |                                                  |                                              |                                    |                           |                                |                               |           |                                                           |           |                                                                 |                      |                                      |
|                       | BRIDGE DEDUCTIONS                           |                                  |          |         |                         |                        |                                                         |                                        | 537.8                                            |                                              |                                    |                           |                                |                               |           |                                                           |           |                                                                 |                      |                                      |
|                       | LOCATION 1E TOTALS (CARRIED TO SUB-SUMMARY) |                                  |          |         |                         |                        |                                                         |                                        |                                                  |                                              |                                    |                           |                                |                               |           |                                                           |           |                                                                 |                      | 56                                   |



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| ITEM 648 EDGE LINE, 6"                      |                            |                       |                  |        |                                                                                |                                                                                                                 |                                                          |                                           |                                                                       |                                                                                                                                                                                |                                 |
|---------------------------------------------|----------------------------|-----------------------|------------------|--------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| L<br>O<br>C<br>A<br>T<br>I<br>O<br>N        | C<br>O<br>U<br>N<br>T<br>Y | R<br>O<br>U<br>T<br>E | S.L.M.           |        | T<br>O<br>T<br>A<br>L<br>L<br>E<br>N<br>G<br>T<br>H<br>(M<br>I<br>L<br>E<br>S) | I<br>N<br>F<br>O<br>R<br>M<br>A<br>T<br>I<br>O<br>N<br>O<br>N<br>L<br>Y                                         |                                                          |                                           | 648                                                                   | 618                                                                                                                                                                            | R<br>E<br>M<br>A<br>R<br>K<br>S |
|                                             |                            |                       |                  |        |                                                                                | W<br>H<br>I<br>T<br>E<br>E<br>D<br>G<br>E<br>L<br>I<br>N<br>E<br>Q<br>U<br>A<br>N<br>T<br>I<br>T<br>I<br>E<br>S |                                                          |                                           | T<br>O<br>T<br>A<br>L<br>E<br>D<br>G<br>E<br>L<br>I<br>N<br>E<br>(6") | E<br>D<br>G<br>E<br>L<br>I<br>N<br>E,<br>R<br>U<br>M<br>B<br>L<br>E<br>S<br>T<br>R<br>I<br>P<br>E<br>(A<br>S<br>P<br>H<br>A<br>L<br>T<br>C<br>O<br>N<br>C<br>R<br>E<br>T<br>E) |                                 |
|                                             |                            |                       | F<br>R<br>O<br>M | T<br>O |                                                                                | T<br>O<br>T<br>A<br>L<br>M<br>I<br>L<br>E<br>S                                                                  | H<br>I<br>G<br>H<br>W<br>A<br>Y<br>M<br>I<br>L<br>E<br>S | R<br>A<br>M<br>P<br>M<br>I<br>L<br>E<br>S | M<br>I<br>L<br>E                                                      | M<br>I<br>L<br>E                                                                                                                                                               |                                 |
| 1A                                          | LIC                        | S.R. 13               | 0.00             | 0.54   | 0.54                                                                           | 1.08                                                                                                            | 1.08                                                     |                                           | 1.08                                                                  | 1.08                                                                                                                                                                           | PERRY COUNTY TO SLM             |
|                                             |                            |                       |                  |        |                                                                                |                                                                                                                 |                                                          |                                           |                                                                       |                                                                                                                                                                                |                                 |
| LOCATION 1A TOTALS (CARRIED TO SUB-SUMMARY) |                            |                       |                  |        |                                                                                |                                                                                                                 |                                                          |                                           | 1.08                                                                  | 1.08                                                                                                                                                                           |                                 |
| 1B                                          | LIC                        | S.R. 13               | 0.54             | 6.48   | 5.94                                                                           | 11.88                                                                                                           | 11.88                                                    |                                           | 11.88                                                                 | 11.88                                                                                                                                                                          | SLM TO DORSEY MILL RD.          |
|                                             |                            |                       |                  |        |                                                                                |                                                                                                                 |                                                          |                                           |                                                                       |                                                                                                                                                                                |                                 |
| LOCATION 1B TOTALS (CARRIED TO SUB-SUMMARY) |                            |                       |                  |        |                                                                                |                                                                                                                 |                                                          |                                           | 11.88                                                                 | 11.88                                                                                                                                                                          |                                 |
| 1C                                          | LIC                        | S.R. 13               | 6.48             | 7.76   | 1.28                                                                           | 2.56                                                                                                            | 2.56                                                     |                                           | 2.56                                                                  | 2.56                                                                                                                                                                           | DORSEY MILL RD. TO HEATH CORP.  |
|                                             |                            |                       |                  |        |                                                                                |                                                                                                                 |                                                          |                                           |                                                                       |                                                                                                                                                                                |                                 |
| LOCATION 1C TOTALS (CARRIED TO SUB-SUMMARY) |                            |                       |                  |        |                                                                                |                                                                                                                 |                                                          |                                           | 2.56                                                                  | 2.56                                                                                                                                                                           |                                 |
| 1D                                          | LIC                        | S.R. 13               | 7.76             | 8.37   | 0.61                                                                           | 1.22                                                                                                            | 1.22                                                     |                                           | 1.22                                                                  |                                                                                                                                                                                | HEATH CORP. TO NEWARK CORP.     |
|                                             |                            |                       |                  |        |                                                                                |                                                                                                                 |                                                          |                                           |                                                                       |                                                                                                                                                                                |                                 |
| LOCATION 1D TOTALS (CARRIED TO SUB-SUMMARY) |                            |                       |                  |        |                                                                                |                                                                                                                 |                                                          |                                           | 1.22                                                                  |                                                                                                                                                                                |                                 |
|                                             |                            |                       |                  |        |                                                                                |                                                                                                                 |                                                          |                                           |                                                                       |                                                                                                                                                                                |                                 |





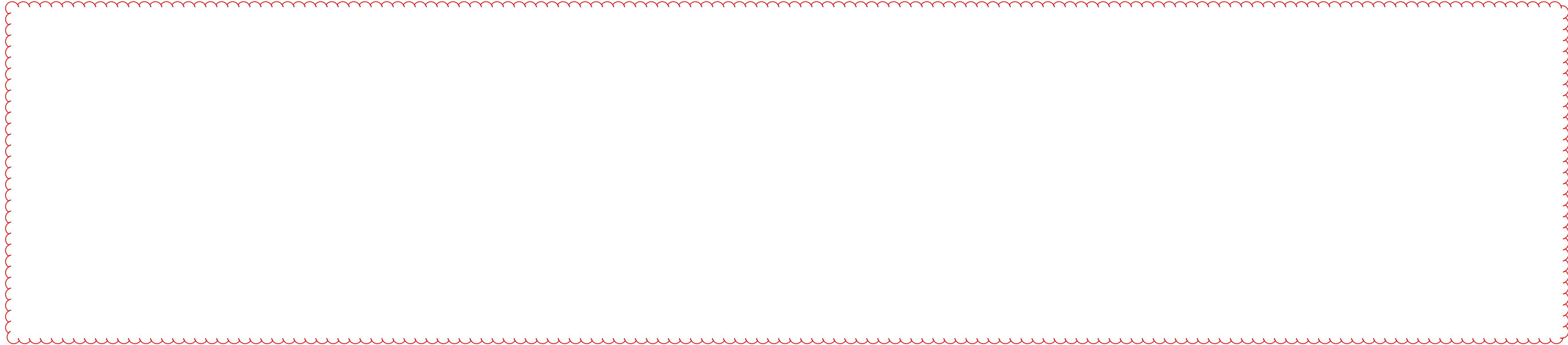
| ITEM 644/648 CENTER/LANE LINE               |                            |                       |                |                          |                            |                           |        |                         |                         |                               |                               |                                              |
|---------------------------------------------|----------------------------|-----------------------|----------------|--------------------------|----------------------------|---------------------------|--------|-------------------------|-------------------------|-------------------------------|-------------------------------|----------------------------------------------|
| L<br>O<br>C<br>A<br>T<br>I<br>O<br>N        | C<br>O<br>U<br>N<br>T<br>Y | R<br>O<br>U<br>T<br>E | S.L.M.         |                          | TOTAL<br>LENGTH<br>(MILES) | INFORMATION ONLY          |        | 644                     | 648                     | 644                           | 648                           | REMARKS                                      |
|                                             |                            |                       |                |                          |                            | CENTER LINE<br>QUANTITIES |        | TOTAL<br>CENTER<br>LINE | TOTAL<br>CENTER<br>LINE | TOTAL<br>LANE<br>LINE<br>(4") | TOTAL<br>LANE<br>LINE<br>(6") |                                              |
|                                             |                            |                       | TOTAL<br>MILES | EQUIVALENT<br>SOLID LINE |                            |                           |        |                         |                         |                               |                               |                                              |
|                                             |                            |                       | FROM           | TO                       |                            | MILES                     | MILES  | MILES                   | MILES                   |                               |                               |                                              |
| 1A                                          | LIC                        | S.R. 13               | 0.00           | 0.54                     | 0.54                       | 0.54                      | 1.300  |                         | 0.54                    |                               |                               | PERRY COUNTY TO SLM                          |
| LOCATION 1A TOTALS (CARRIED TO SUB-SUMMARY) |                            |                       |                |                          |                            |                           |        |                         | 0.54                    |                               |                               |                                              |
| 1B                                          | LIC                        | S.R. 13               | 0.54           | 6.48                     | 5.94                       | 5.94                      | 10.856 |                         | 6.29                    |                               |                               | SLM TO DORSEY MILL RD.(EXTRA FOR TURN LANES) |
| 1B                                          | LIC                        | S.R. 13 N.B.          | 1.42           | 1.49                     | 0.07                       |                           |        |                         |                         |                               | 0.07                          |                                              |
| 1B                                          | LIC                        | S.R. 13               | 1.49           | 1.74                     | 0.25                       |                           |        |                         |                         |                               | 0.50                          | NORTHBOUND AND SOUTHBOUND                    |
| 1B                                          | LIC                        | S.R. 13 N.B.          | 1.74           | 1.88                     | 0.14                       |                           |        |                         |                         |                               | 0.14                          | SOUTHBOUND                                   |
| LOCATION 1B TOTALS (CARRIED TO SUB-SUMMARY) |                            |                       |                |                          |                            |                           |        |                         | 6.29                    |                               | 0.71                          |                                              |
| 1C                                          | LIC                        | S.R. 13               | 6.48           | 7.76                     | 1.28                       | 1.28                      | 2.425  |                         | 1.37                    |                               |                               | DORSEY MILL RD. TO HEATH CORP.               |
| LOCATION 1C TOTALS (CARRIED TO SUB-SUMMARY) |                            |                       |                |                          |                            |                           |        |                         | 1.37                    |                               |                               |                                              |
| 1D                                          | LIC                        | S.R. 13               | 7.76           | 8.37                     | 0.61                       | 0.61                      | 1.281  |                         | 0.74                    |                               |                               | HEATH CORP. TO NEWARK CORP.                  |
| LOCATION 1D TOTALS (CARRIED TO SUB-SUMMARY) |                            |                       |                |                          |                            |                           |        |                         | 0.74                    |                               |                               |                                              |
| 1E                                          | LIC                        | S.R. 13               | 8.37           | 9.10                     | 0.73                       | 0.73                      | 2.012  |                         | 0.73                    |                               |                               | NEWARK CORP. TO 4TH ST.                      |
| LOCATION 1E TOTALS (CARRIED TO SUB-SUMMARY) |                            |                       |                |                          |                            |                           |        |                         | 0.73                    |                               |                               |                                              |
| O.D.O.T. D05 COMPLEX                        |                            |                       |                |                          | 0.30                       | 0.30                      | 0.600  | 0.30                    |                         |                               |                               |                                              |
| TOTALS (CARRIED TO GENERAL SUMMARY)         |                            |                       |                |                          |                            |                           |        | 0.30                    |                         |                               |                               |                                              |





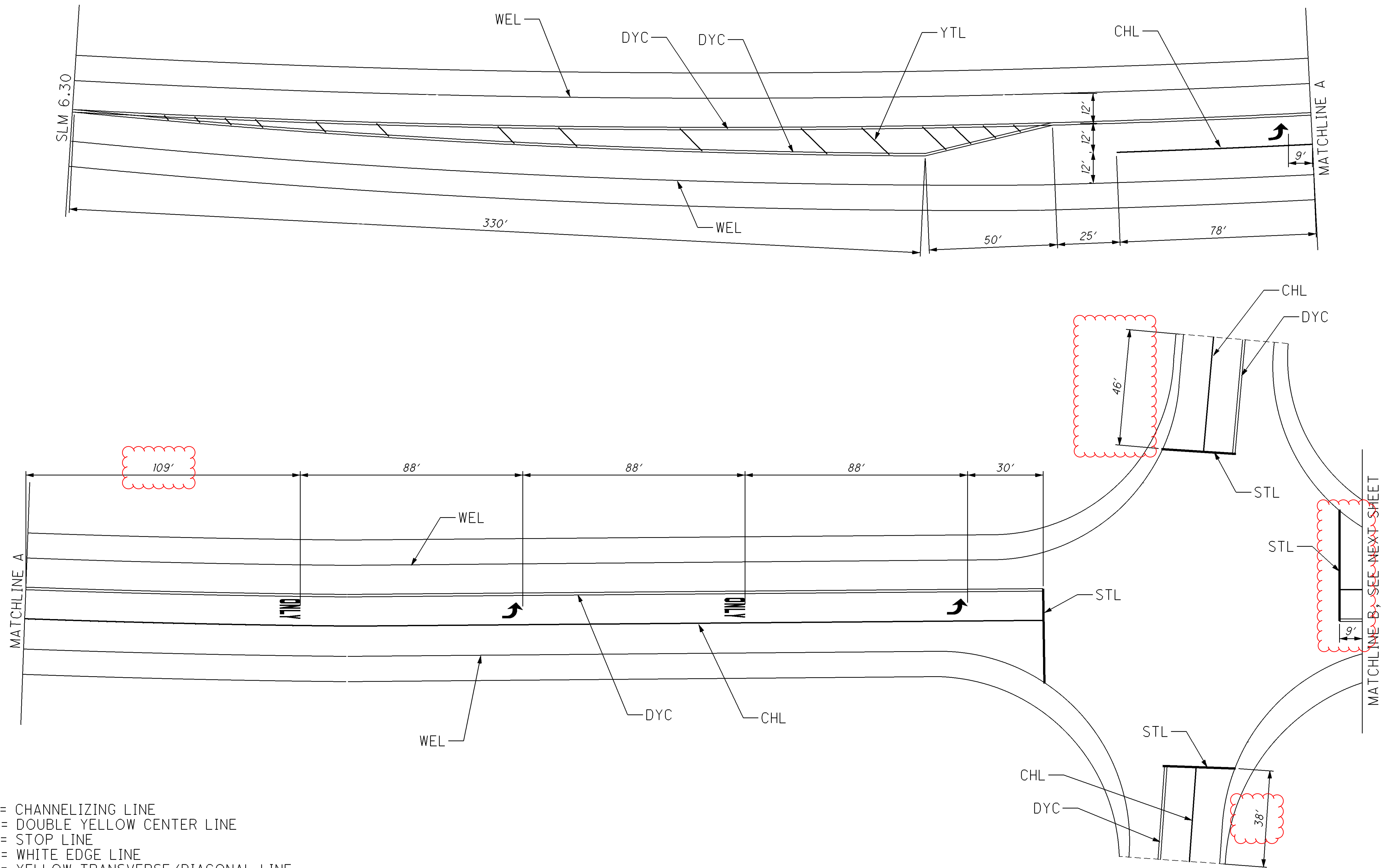
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| ITEM 644 AUXILIARY MARKING                  |                            |                       |                  |                                                     |             |                                                                                                                     |                                           |                                                   |                                                                   |                                                                    |                  |                                                |         |         |                                                                                 |                                                                                                       |                                                                                   |                                                                                             |                                 |
|---------------------------------------------|----------------------------|-----------------------|------------------|-----------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|------------------|------------------------------------------------|---------|---------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------|
| L<br>O<br>C<br>A<br>T<br>I<br>O<br>N        | C<br>O<br>U<br>N<br>T<br>Y | R<br>O<br>U<br>T<br>E | S<br>I<br>D<br>E | D<br>E<br>S<br>C<br>R<br>I<br>P<br>T<br>I<br>O<br>N | S<br>L<br>M | T<br>R<br>A<br>N<br>S<br>E<br>R<br>S<br>E/<br>D<br>I<br>A<br>G<br>O<br>N<br>A<br>L<br>L<br>I<br>N<br>E<br><br>(24") |                                           | S<br>T<br>O<br>P<br>L<br>I<br>N<br>E<br><br>(24") | 12" C<br>R<br>O<br>S<br>S<br>W<br>A<br>L<br>K<br>L<br>I<br>N<br>E | W<br>O<br>R<br>D<br>O<br>N<br>P<br>A<br>V<br>E<br>M<br>E<br>N<br>T |                  | L<br>A<br>N<br>E<br>A<br>R<br>R<br>O<br>W<br>S |         |         | 8" C<br>H<br>A<br>N<br>N<br>E<br>L<br>I<br>Z<br>I<br>N<br>G<br>L<br>I<br>N<br>E | H<br>A<br>N<br>D<br>I<br>C<br>A<br>P<br>S<br>Y<br>M<br>B<br>O<br>L<br>M<br>A<br>R<br>K<br>I<br>N<br>G | S<br>H<br>A<br>R<br>E<br>D<br>L<br>A<br>N<br>E<br>M<br>A<br>R<br>K<br>I<br>N<br>G | P<br>A<br>R<br>K<br>I<br>N<br>G<br>S<br>T<br>A<br>L<br>L<br>M<br>A<br>R<br>K<br>I<br>N<br>G | R<br>E<br>M<br>A<br>R<br>K<br>S |
|                                             |                            |                       |                  |                                                     |             | W<br>H<br>I<br>T<br>E<br><br>F<br>T.                                                                                | Y<br>E<br>L<br>L<br>O<br>W<br><br>F<br>T. |                                                   |                                                                   | O<br>N<br>L<br>Y                                                   |                  | T<br>U<br>R<br>N                               |         |         |                                                                                 |                                                                                                       |                                                                                   |                                                                                             |                                 |
|                                             |                            |                       |                  |                                                     |             |                                                                                                                     |                                           |                                                   |                                                                   | 72"                                                                | 96"              | L<br>T<br>/<br>T<br>H<br>R<br>U                | L<br>T. | R<br>T. |                                                                                 |                                                                                                       |                                                                                   |                                                                                             |                                 |
|                                             |                            |                       |                  |                                                     |             |                                                                                                                     |                                           | E<br>A<br>C<br>H                                  | E<br>A<br>C<br>H                                                  | E<br>A<br>C<br>H                                                   | E<br>A<br>C<br>H | E<br>A<br>C<br>H                               |         |         |                                                                                 |                                                                                                       |                                                                                   |                                                                                             |                                 |
| 1C                                          | LIC                        | S.R. 13               | RT               | DORSEY MILL RD.                                     |             |                                                                                                                     |                                           | 24                                                |                                                                   |                                                                    |                  |                                                |         |         |                                                                                 |                                                                                                       |                                                                                   | SEE SHEET 33                                                                                |                                 |
| 1C                                          | LIC                        | S.R. 13               |                  | ON S.R. 13 AFTER DORSEY MILL RD.                    |             |                                                                                                                     | 169                                       | 28                                                |                                                                   |                                                                    | 1                |                                                | 3       |         | 290                                                                             |                                                                                                       |                                                                                   | SEE SHEET 34                                                                                |                                 |
| LOCATION 1C TOTALS (CARRIED TO SUB-SUMMARY) |                            |                       |                  |                                                     |             |                                                                                                                     | 169                                       | 52                                                |                                                                   |                                                                    | 1                |                                                | 3       |         | 290                                                                             |                                                                                                       |                                                                                   |                                                                                             |                                 |
| 1D                                          | LIC                        | S.R. 13               |                  | ON S.R. 13 BEFORE HOPEWELL DR.                      |             |                                                                                                                     | 117                                       | 24                                                |                                                                   |                                                                    |                  |                                                | 2       |         | 70                                                                              |                                                                                                       |                                                                                   | SEE SHEET 35                                                                                |                                 |
|                                             |                            |                       | RT               | HOPEWELL DR.                                        |             |                                                                                                                     |                                           | 13                                                |                                                                   |                                                                    |                  |                                                |         |         |                                                                                 |                                                                                                       |                                                                                   | SEE SHEET 35                                                                                |                                 |
|                                             |                            |                       |                  | ON S.R. 13 AFTER HOPEWELL DR.                       |             |                                                                                                                     | 112                                       |                                                   |                                                                   |                                                                    |                  |                                                | 2       |         | 70                                                                              |                                                                                                       |                                                                                   | SEE SHEET 35                                                                                |                                 |
| LOCATION 1D TOTALS (CARRIED TO SUB-SUMMARY) |                            |                       |                  |                                                     |             |                                                                                                                     | 229                                       | 37                                                |                                                                   |                                                                    |                  |                                                | 4       |         | 140                                                                             |                                                                                                       |                                                                                   |                                                                                             |                                 |
| 1E                                          | LIC                        | S.R. 13               | RT               | LINVILLE RD                                         |             |                                                                                                                     |                                           | 28                                                |                                                                   |                                                                    |                  |                                                |         |         |                                                                                 |                                                                                                       |                                                                                   | PLACE 19' FROM CL SR 586                                                                    |                                 |
| 1E                                          | LIC                        | S.R. 13               | LT               | ORCHARD ST                                          |             |                                                                                                                     |                                           |                                                   | 64                                                                |                                                                    |                  |                                                |         |         |                                                                                 |                                                                                                       |                                                                                   | PLACE 21' FROM CL SR 586                                                                    |                                 |
| 1E                                          | LIC                        | S.R. 13               | RT               | BONNER ST                                           |             |                                                                                                                     |                                           |                                                   | 50                                                                |                                                                    |                  |                                                |         |         |                                                                                 |                                                                                                       |                                                                                   | PLACE 18' FROM CL SR 586                                                                    |                                 |
| 1E                                          | LIC                        | S.R. 13               | LT               | GANIOR AVE                                          |             |                                                                                                                     |                                           |                                                   | 50                                                                |                                                                    |                  |                                                |         |         |                                                                                 |                                                                                                       |                                                                                   | PLACE 20' FROM CL SR 586                                                                    |                                 |
| 1E                                          | LIC                        | S.R. 13               | RT               | ISABELLE RD                                         |             |                                                                                                                     |                                           |                                                   | 80                                                                |                                                                    |                  |                                                |         |         |                                                                                 |                                                                                                       |                                                                                   | PLACE 19' FROM CL SR 586                                                                    |                                 |
| 1E                                          | LIC                        | S.R. 13               |                  | SR 13 AT ISABELLE RD                                |             |                                                                                                                     |                                           | 35                                                | 72                                                                |                                                                    |                  |                                                | 2       |         | 75                                                                              |                                                                                                       |                                                                                   | SEE SHEET 36                                                                                |                                 |
| 1E                                          | LIC                        | S.R. 13               | LT               | PROSPECT ST                                         |             |                                                                                                                     |                                           |                                                   | 54                                                                |                                                                    |                  |                                                |         |         |                                                                                 |                                                                                                       |                                                                                   | PLACE 20' FROM CL SR 586                                                                    |                                 |
| 1E                                          | LIC                        | S.R. 13               |                  | SR 13 AT WILWOOD AVE.                               |             |                                                                                                                     |                                           | 41                                                | 72                                                                |                                                                    |                  | 1                                              |         | 2       | 63                                                                              |                                                                                                       |                                                                                   | SEE SHEET 36                                                                                |                                 |
| 1E                                          | LIC                        | S.R. 13               | LT               | S. 5TH ST.                                          |             |                                                                                                                     |                                           | 20                                                | 95                                                                |                                                                    |                  |                                                |         |         |                                                                                 |                                                                                                       |                                                                                   | SEE SHEET 36                                                                                |                                 |
| <div></div>                                 |                            |                       |                  |                                                     |             |                                                                                                                     |                                           |                                                   |                                                                   |                                                                    |                  |                                                |         |         |                                                                                 |                                                                                                       |                                                                                   |                                                                                             |                                 |
| SUB-TOTALS                                  |                            |                       |                  |                                                     |             |                                                                                                                     |                                           |                                                   |                                                                   |                                                                    |                  | 1                                              | 2       | 2       |                                                                                 |                                                                                                       |                                                                                   |                                                                                             |                                 |
| LOCATION 1E TOTALS (CARRIED TO SUB-SUMMARY) |                            |                       |                  |                                                     |             |                                                                                                                     |                                           | 124                                               | 537                                                               |                                                                    |                  | 5                                              |         |         | 138                                                                             |                                                                                                       |                                                                                   |                                                                                             |                                 |
|                                             |                            |                       |                  | O.D.O.T. D05 COMPLEX                                |             |                                                                                                                     |                                           | 70                                                | 48                                                                |                                                                    |                  |                                                | 2       |         | 115                                                                             | 5                                                                                                     | 5,995                                                                             | SEE SHEETS 40-41                                                                            |                                 |
| TOTALS (CARRIED TO GENERAL SUMMARY)         |                            |                       |                  |                                                     |             |                                                                                                                     | 122                                       | 70                                                | 48                                                                |                                                                    |                  |                                                | 2       |         | 115                                                                             | 5                                                                                                     | 5,995                                                                             |                                                                                             |                                 |





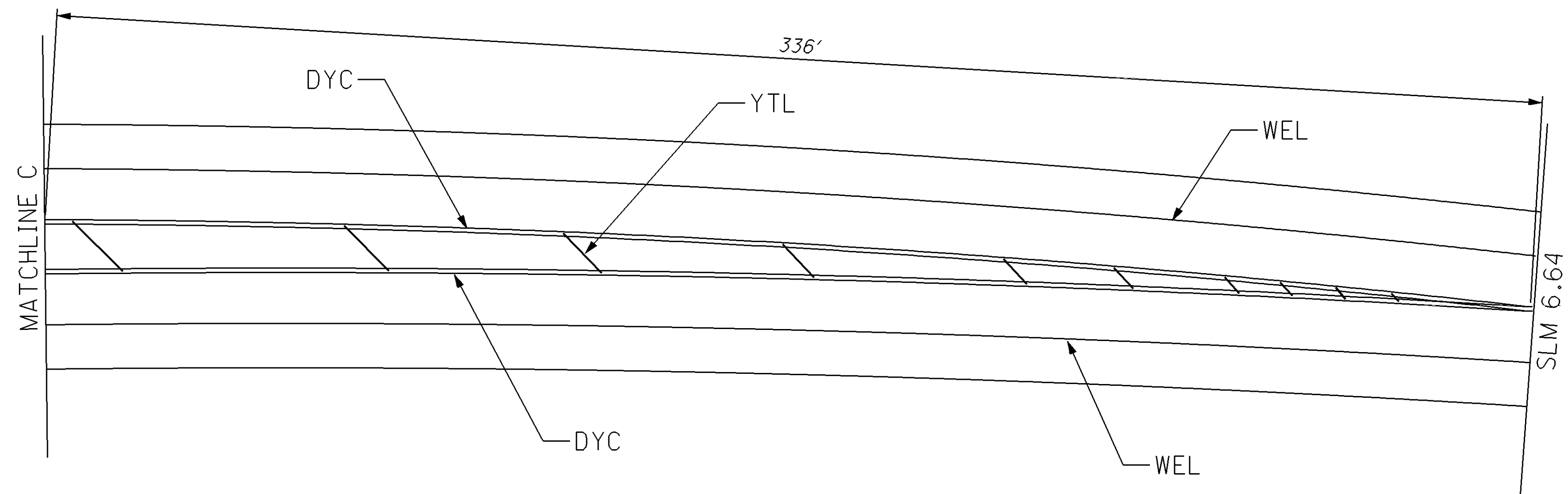
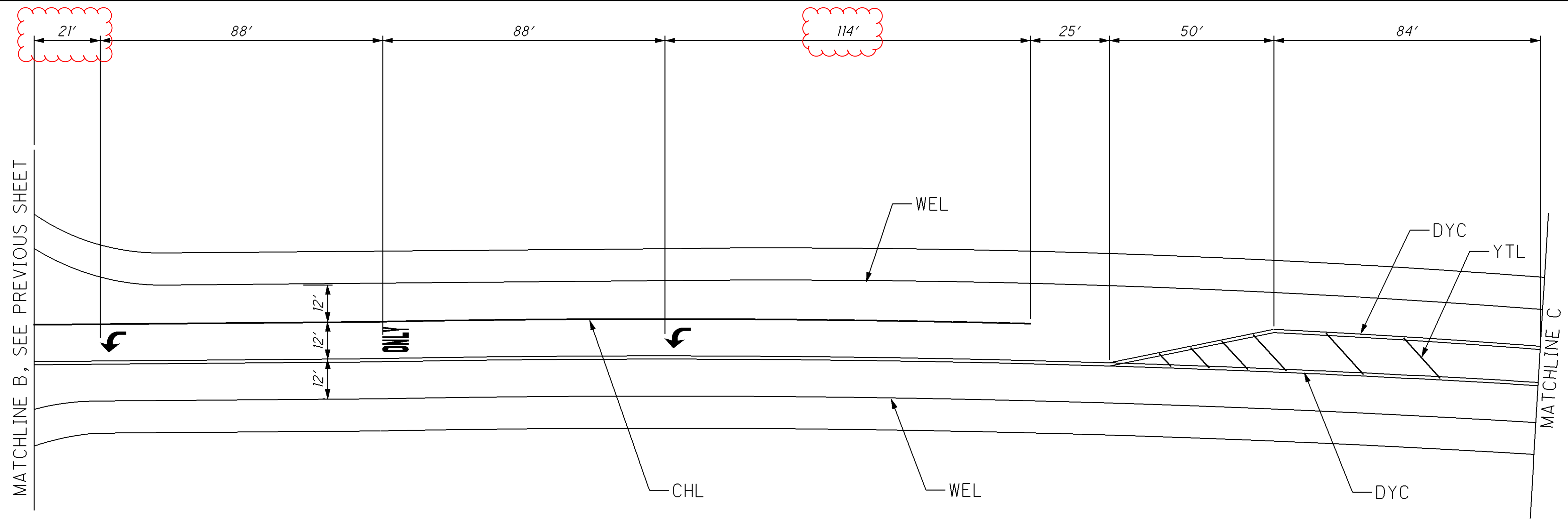
CHL = CHANNELIZING LINE  
DYC = DOUBLE YELLOW CENTER LINE  
STL = STOP LINE  
WEL = WHITE EDGE LINE  
YTL = YELLOW TRANSVERSE/DIAGONAL LINE



SEE SHEET 21-24 FOR PAVEMENT MARKING QUANTITIES



CHL = CHANNELIZING LINE  
DYC = DOUBLE YELLOW CENTER LINE  
STL = STOP LINE  
WEL = WHITE EDGE LINE  
YTL = YELLOW TRANSVERSE/DIAGONAL LINE



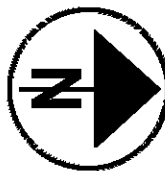
SEE SHEET 21-24 FOR PAVEMENT MARKING QUANTITIES



SHEET  
NOT  
USED



SHEET  
NOT  
USED

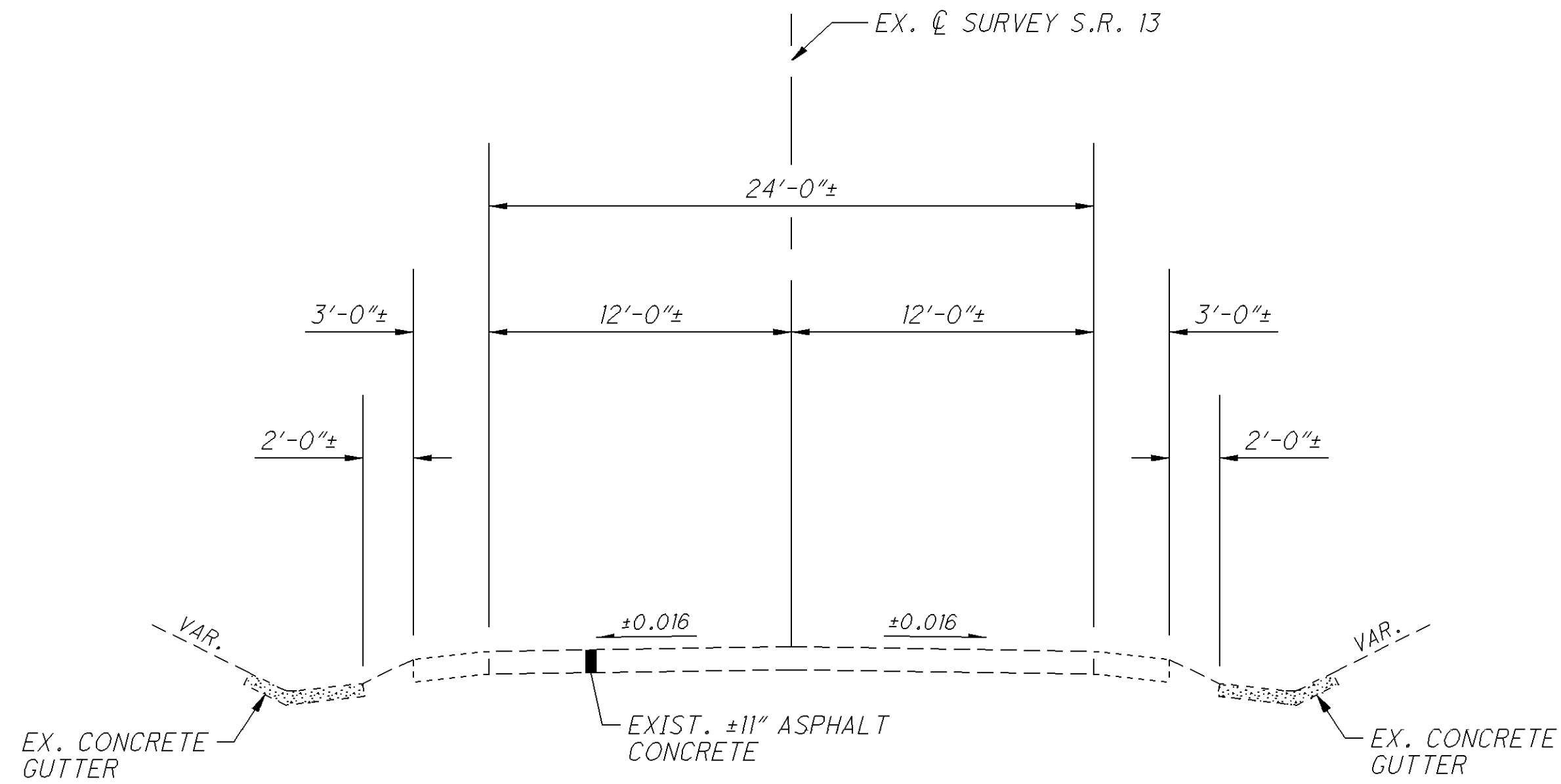




SHEET  
NOT  
USED



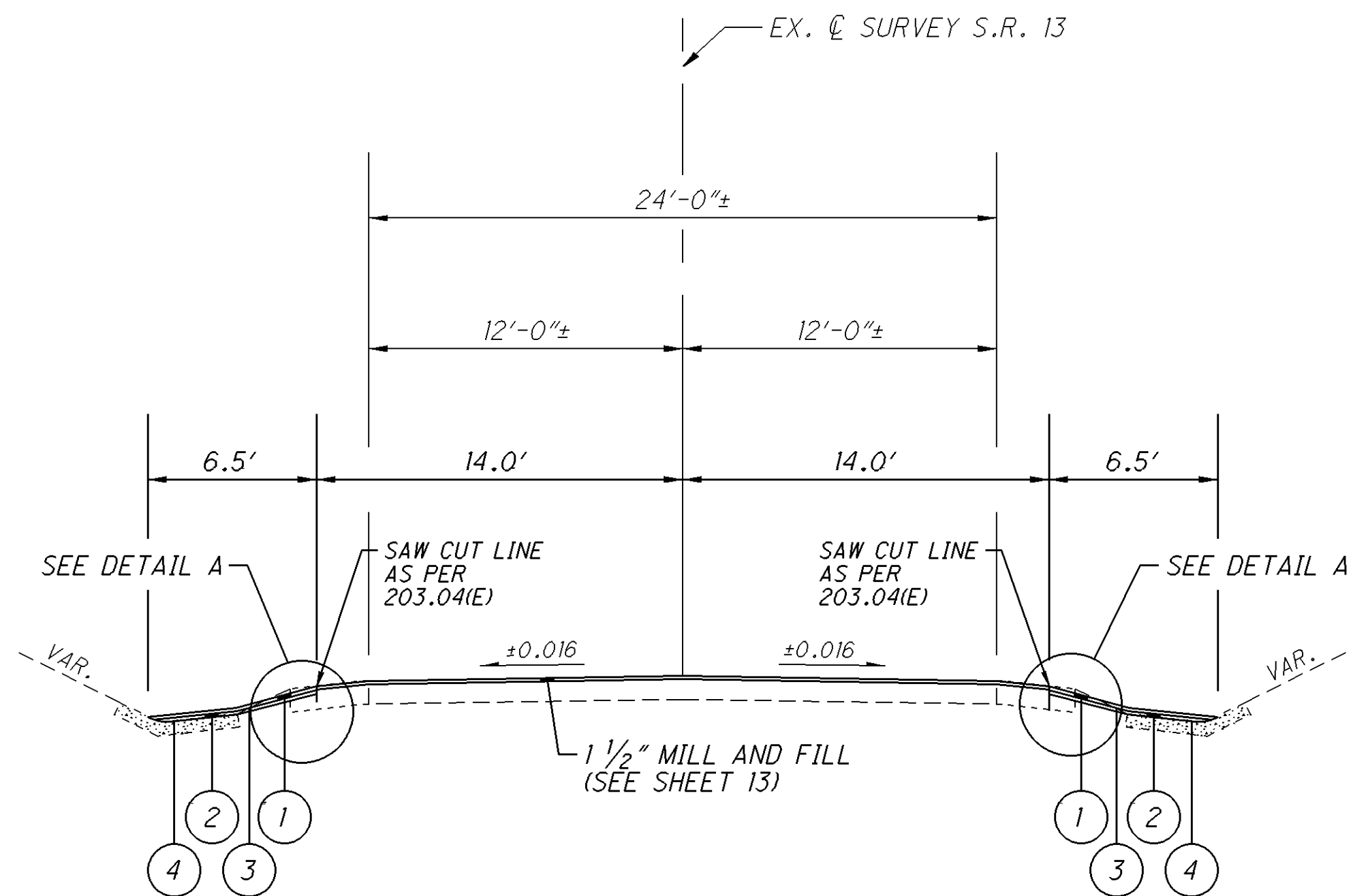
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S.R. 13 (EXISTING)  
NORMAL SECTION APPLIES:  
STA. 202+47.06 TO STA. 211+99.98 = 952.92 FT.  
TOTAL 952.92 FT.

LEGEND

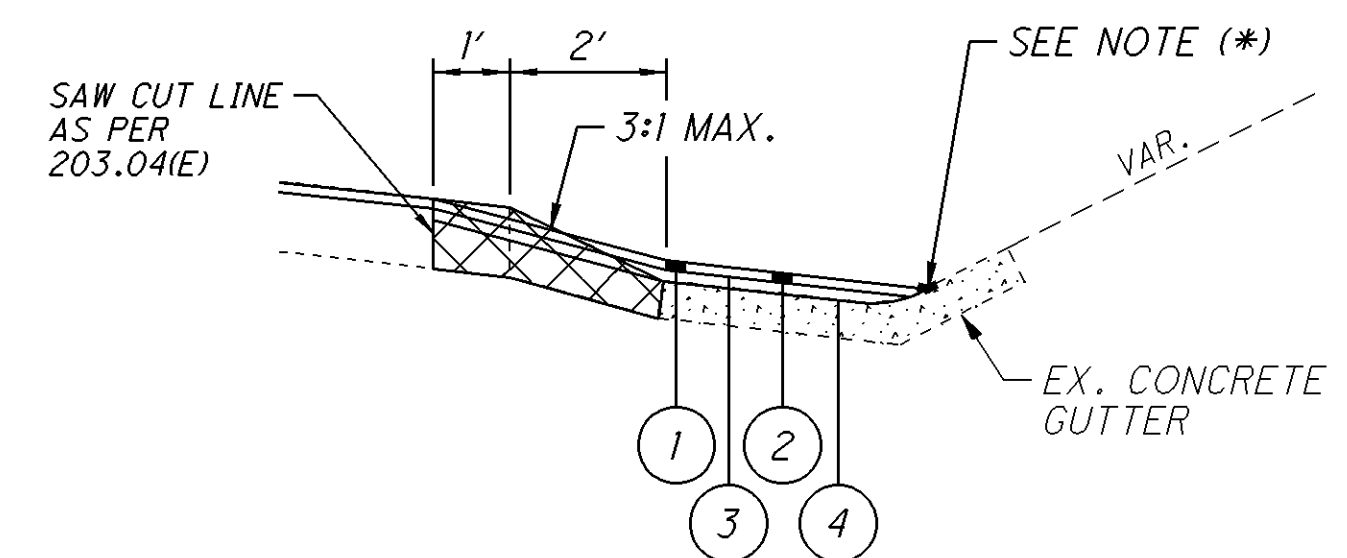
- ① ITEM 441, 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ② ITEM 441, 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- ③ ITEM 407, NON-TRACKING TACK COAT (@ 0.05 GAL/SY)
- ④ ITEM 407, NON-TRACKING TACK COAT (@ 0.075 GAL/SY)



S.R. 13 (PROPOSED)  
GUTTER LIMITS (LT.):

STA. 202+47.06 TO STA. 211+99.22 = 952.16 FT.  
TOTAL 952.16 FT.

**DETAIL A**



ITEM 203, EXCAVATION (6" AVG.)  
ITEM 203, EMBANKMENT (4.5" AVG.)

(\*) - SEAL THE JOINT BETWEEN THE PROP. ASPHALT CONCRETE AND EXIST. CONCRETE GUTTER WITH 4" BAND OF ITEM 407, NON-TRACKING TACK COAT (@ 0.075 GAL/SY).

S.R. 13 (PROPOSED)  
GUTTER LIMITS (RT.):

STA. 203+43.29 TO STA. 211+99.98 = 856.69 FT.  
TOTAL 856.69 FT.



| Reference No.                               | Sheet No. | Location                         | Side    | Length   | Width | Area    | 202                 |                                | 203          |              | 407                                         |                                              | 441                                                           |                                                              | 602              | 611                    |
|---------------------------------------------|-----------|----------------------------------|---------|----------|-------|---------|---------------------|--------------------------------|--------------|--------------|---------------------------------------------|----------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|------------------|------------------------|
|                                             |           |                                  |         |          |       |         | HEADWALL<br>REMOVED | PIPE REMOVED,<br>24" AND UNDER | 6.00" (Avg.) | 4.50" (Avg.) | NON-TRACKING<br>TACK COAT<br>(@0.05 Gal/SY) | NON-TRACKING<br>TACK COAT<br>(@0.075 Gal/SY) | 1.50"                                                         | 1.75"                                                        |                  |                        |
|                                             |           |                                  | Lt./Rt. | Lin. Ft. | Ft.   | Sq. Yd. |                     |                                | EXCAVATION   | EMBANKMENT   |                                             |                                              | ASPHALT CONCRETE<br>SURFACE COURSE,<br>TYPE 1, (448), PG64-22 | ASPHALT CONCRETE<br>INTERMEDIATE<br>COURSE,<br>TYPE 2, (448) | CONCRETE MASONRY | 15" CONDUIT,<br>TYPE B |
|                                             |           | S.R. 13                          |         |          |       |         |                     |                                |              |              |                                             |                                              |                                                               |                                                              |                  |                        |
| P-1                                         | 45        | Sta. 202+47.06 to Sta. 206+74.94 | Lt.     | 427.88   | 6.5   | 309.1   |                     |                                |              |              | 15.5                                        | 23.2                                         | 12.9                                                          | 15.0                                                         |                  |                        |
| P-2                                         | 45-46     | Sta. 203+43.29 to Sta. 211+99.98 | Rt.     | 856.69   | 6.5   | 618.8   |                     |                                |              |              | 30.9                                        | 46.4                                         | 25.8                                                          | 30.1                                                         |                  |                        |
| P-3                                         | 45-46     | Sta. 207+28.35 to Sta. 211+99.22 | Lt.     | 470.87   | 6.5   | 340.1   |                     |                                |              |              | 17.0                                        | 25.5                                         | 14.2                                                          | 16.5                                                         |                  |                        |
|                                             |           |                                  |         |          |       |         |                     |                                |              |              |                                             |                                              |                                                               |                                                              |                  |                        |
| EW-1                                        | 45        | Sta. 202+47.06 to Sta. 206+74.94 | Lt.     | 427.88   | 3.0   | 142.7   |                     |                                | 23.8         | 17.8         |                                             | 0.9(*)                                       |                                                               |                                                              |                  |                        |
| EW-2                                        | 45-46     | Sta. 203+43.29 to Sta. 211+99.98 | Rt.     | 856.69   | 3.0   | 285.6   |                     |                                | 47.6         | 35.7         |                                             | 1.8(*)                                       |                                                               |                                                              |                  |                        |
| EW-3                                        | 45-46     | Sta. 207+28.35 to Sta. 211+99.22 | Lt.     | 470.87   | 3.0   | 157.0   |                     |                                | 26.2         | 19.6         |                                             | 1.0(*)                                       |                                                               |                                                              |                  |                        |
|                                             |           |                                  |         |          |       |         |                     |                                |              |              |                                             |                                              |                                                               |                                                              |                  |                        |
| D-1                                         | 45, 47    | Sta. 206+74.94 to Sta. 207+28.35 | Lt.     |          |       |         | 1                   | 40                             |              |              |                                             |                                              |                                                               |                                                              | 0.54             | 54                     |
|                                             |           |                                  |         |          |       |         |                     |                                |              |              |                                             |                                              |                                                               |                                                              |                  |                        |
|                                             |           |                                  |         |          |       |         |                     |                                |              |              |                                             |                                              |                                                               |                                                              |                  |                        |
| Totals (Carried to Location 1b Sub-Summary) |           |                                  |         |          |       |         | 1                   | 40                             | 98           | 74           | 64                                          | 99                                           | 53                                                            | 62                                                           | 0.54             | 54                     |

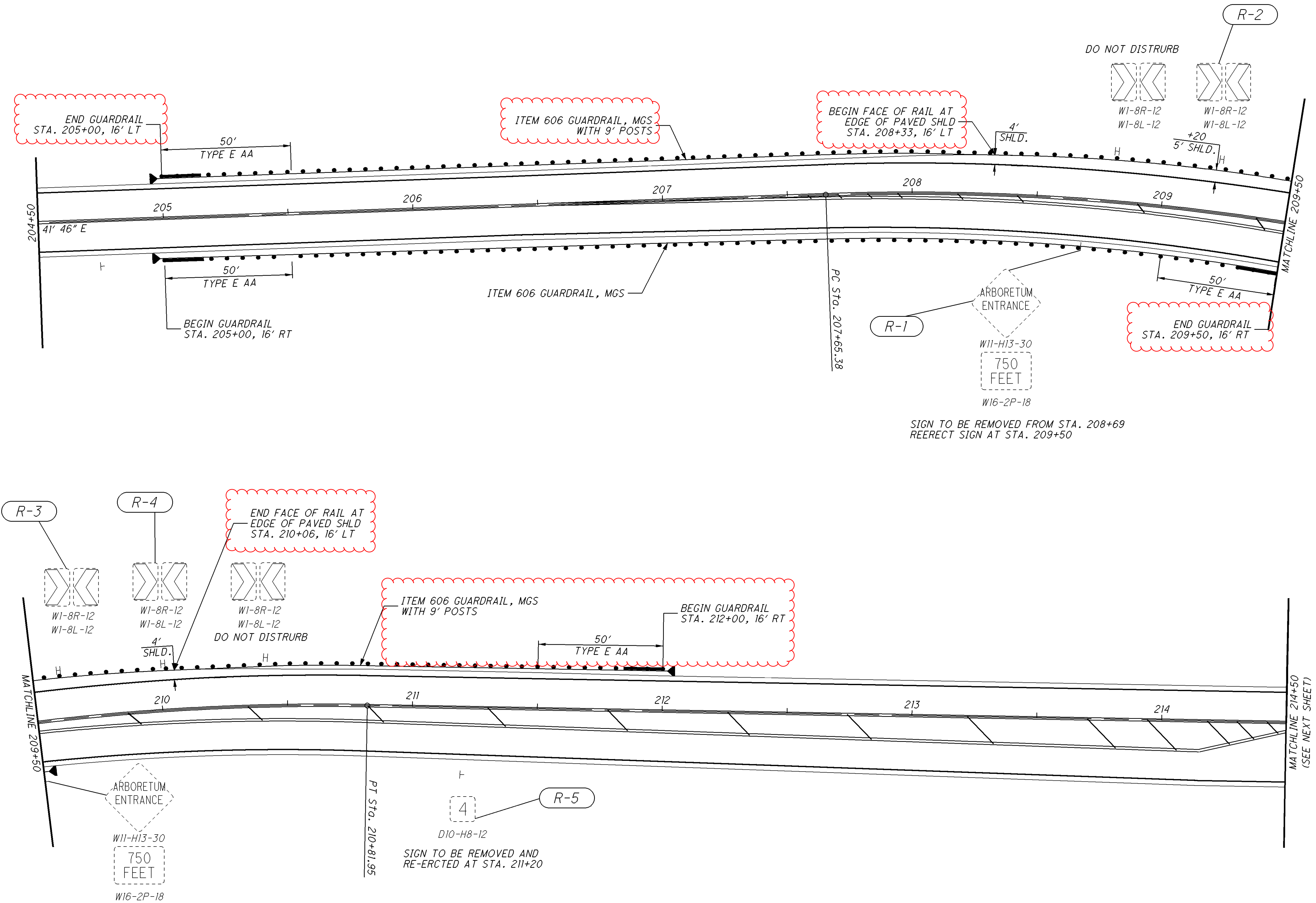
(\*) - Additonal for sealing Proposed Pavement and Existing Gutter

| Reference No.                               | Sheet No. | Location      | Side    | Description | Exist. Surface | Apron Area<br>(Calculated By Computer) | Treated Area<br>(Calculated By Computer) | Total Area<br>(Apron Area + Treated Area) | 202                          | 203        | 204                    | 301                                             | 304            | 407                                                | 441                                                              |
|---------------------------------------------|-----------|---------------|---------|-------------|----------------|----------------------------------------|------------------------------------------|-------------------------------------------|------------------------------|------------|------------------------|-------------------------------------------------|----------------|----------------------------------------------------|------------------------------------------------------------------|
|                                             |           |               |         |             |                |                                        |                                          |                                           | PAVEMENT REMOVED,<br>ASPHALT | EMBANKMENT | SUBGRADE<br>COMPACTION | 4.75"                                           | 8.00"          | NON-TRACKING<br>TACK COAT,<br>@ 0.040 GAL./SQ. YD. | ASPHALT CONCRETE<br>SURFACE COURSE,<br>TYPE 1, (448), (DRNEWAYS) |
|                                             |           |               | Lt./Rt. |             |                |                                        |                                          |                                           |                              |            |                        | ASPHALT CONCRETE<br>BASE,<br>PG64-22 (DRNEWAYS) | AGGREGATE BASE |                                                    |                                                                  |
|                                             |           | S.R. 13       |         |             |                |                                        |                                          |                                           |                              |            |                        |                                                 |                |                                                    |                                                                  |
| DR-1                                        | 45, 47    | Sta. 207+03.9 | Lt.     | Residential | Aggregate      | 11.2                                   | 12.8                                     | 24.0                                      | 16.1                         | 10(*)      | 11.2                   | 1.5                                             | 1.7            | 0.5                                                | 0.4                                                              |
|                                             |           |               |         |             |                |                                        |                                          |                                           |                              |            |                        |                                                 |                |                                                    |                                                                  |
|                                             |           |               |         |             |                |                                        |                                          |                                           |                              |            |                        |                                                 |                |                                                    |                                                                  |
| Totals (Carried to Location 1b Sub-Summary) |           |               |         |             |                |                                        |                                          |                                           | 17                           | 10         | 12                     | 2                                               | 2              | 1                                                  | 1                                                                |

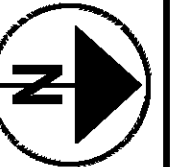
(\*) - Quantity to be used for the grading of the adjacent drive areas



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SEE NEXT SHEET FOR SIGN QUANTITIES  
SEE NEXT SHEET FOR GUARDRAIL QUANTITIES



CALCULATED  
LME  
CHECKED  
JSL

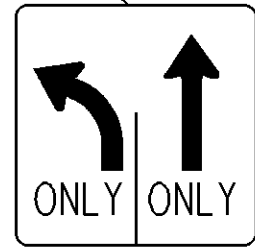
TRAFFIC CONTROL PLAN SHEET  
GUARDRAIL/SIGNS DAWES ARBORETUM

LIC-13-0.00



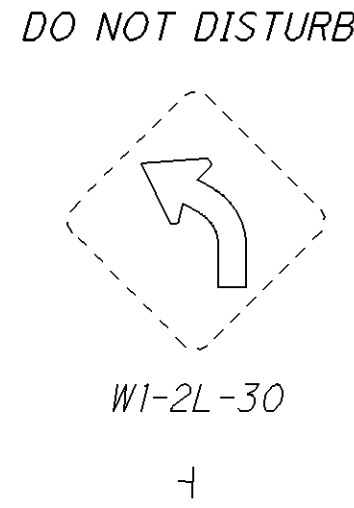
| Reference No.                               | Sheet No. | Location                                | Side | Sign Code | Sign Size<br>(Inches) | 202               | 606                 | 606                                         | 606                            | 626                          | 630                                   | 630              | 630                                               | 630                                                 | 630                                                          |
|---------------------------------------------|-----------|-----------------------------------------|------|-----------|-----------------------|-------------------|---------------------|---------------------------------------------|--------------------------------|------------------------------|---------------------------------------|------------------|---------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------|
|                                             |           |                                         |      |           |                       | GUARDRAIL REMOVED | GUARDRAIL, TYPE MGS | GUARDRAIL, TYPE MGS<br>WITH LONG POSTS (9') | ANCHOR ASSEMBLY,<br>MGS TYPE E | BARRIER REFLECTOR,<br>TYPE 2 | GROUND MOUNTED<br>SUPPORT, NO. 3 POST | SIGN, FLAT SHEET | REMOVAL OF GROUND<br>MOUNTED SIGN AND<br>DISPOSAL | REMOVAL OF GROUND<br>MOUNTED SIGN AND<br>REERECTION | REMOVAL OF GROUND<br>MOUNTED POST<br>SUPPORT AND<br>DISPOSAL |
|                                             |           |                                         |      |           |                       | FEET              | FEET                | FEET                                        | EACH                           | EACH                         | FEET                                  | SF               | EACH                                              | EACH                                                | EACH                                                         |
|                                             |           | S.R. 13 AT DAWES ARBORETUM              |      |           |                       |                   |                     |                                             |                                |                              |                                       |                  |                                                   |                                                     |                                                              |
|                                             | 49        | STA. 206+49 TO STA. 207+99              | LT.  |           |                       | 150               |                     |                                             |                                |                              |                                       |                  |                                                   |                                                     |                                                              |
|                                             | 49        | STA. 206+06 TO STA. 207+56              | RT.  |           |                       | 150               |                     |                                             |                                |                              |                                       |                  |                                                   |                                                     |                                                              |
|                                             |           |                                         |      |           |                       |                   |                     |                                             |                                |                              |                                       |                  |                                                   |                                                     |                                                              |
|                                             | 49        | STA. 205+00 TO STA. 212+00              | LT.  |           |                       |                   |                     | 600.0                                       | 2                              | 10                           |                                       |                  |                                                   |                                                     |                                                              |
|                                             | 49        | STA. 205+00 TO STA. 209+50              | RT.  |           |                       |                   | 350.0               |                                             | 2                              | 6                            |                                       |                  |                                                   |                                                     |                                                              |
|                                             |           |                                         |      |           |                       |                   |                     |                                             |                                |                              |                                       |                  |                                                   |                                                     |                                                              |
| R-1                                         | 49        | REMOVE STA. 208+69, REERECT STA. 209+50 | RT.  | W11-H13   |                       |                   |                     |                                             |                                |                              | 14.0                                  |                  |                                                   | 1                                                   | 1                                                            |
|                                             |           |                                         |      | W16-2P    |                       |                   |                     |                                             |                                |                              |                                       |                  |                                                   | 1                                                   |                                                              |
| R-2                                         | 49        |                                         | LT.  | W1-8R     |                       |                   |                     |                                             |                                |                              |                                       |                  | 1                                                 |                                                     | 1                                                            |
|                                             |           |                                         |      | W1-8L     |                       |                   |                     |                                             |                                |                              |                                       |                  | 1                                                 |                                                     |                                                              |
| R-3                                         | 49        |                                         | LT.  | W1-8R     |                       |                   |                     |                                             |                                |                              |                                       |                  | 1                                                 |                                                     | 1                                                            |
|                                             |           |                                         |      | W1-8L     |                       |                   |                     |                                             |                                |                              |                                       |                  | 1                                                 |                                                     |                                                              |
| R-4                                         | 49        |                                         | LT.  | W1-8R     |                       |                   |                     |                                             |                                |                              |                                       |                  | 1                                                 |                                                     | 1                                                            |
|                                             |           |                                         |      | W1-8L     |                       |                   |                     |                                             |                                |                              |                                       |                  | 1                                                 |                                                     |                                                              |
| R-5                                         | 49        | STA. 211+20                             | RT.  | D10-H8    |                       |                   |                     |                                             |                                |                              | 8.5                                   |                  |                                                   | 1                                                   | 1                                                            |
|                                             |           |                                         |      |           |                       |                   |                     |                                             |                                |                              |                                       |                  |                                                   |                                                     |                                                              |
| S-1                                         | 50        | STA. 214+65                             | RT.  | R3-H8ba   | 30 x 30               |                   |                     |                                             |                                |                              | 12.0                                  | 6.25             |                                                   |                                                     |                                                              |
|                                             |           |                                         |      |           |                       |                   |                     |                                             |                                |                              |                                       |                  |                                                   |                                                     |                                                              |
| TOTALS (CARRIED TO LOCATION 1B SUB-SUMMARY) |           |                                         |      |           |                       | 300               | 350.0               | 600.0                                       | 4                              | 16                           | 34.5                                  | 6.25             | 6                                                 | 3                                                   | 5                                                            |

MATCHLINE 214+50  
(SEE PREVIOUS SHEET)



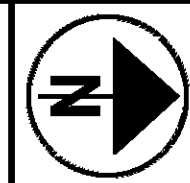
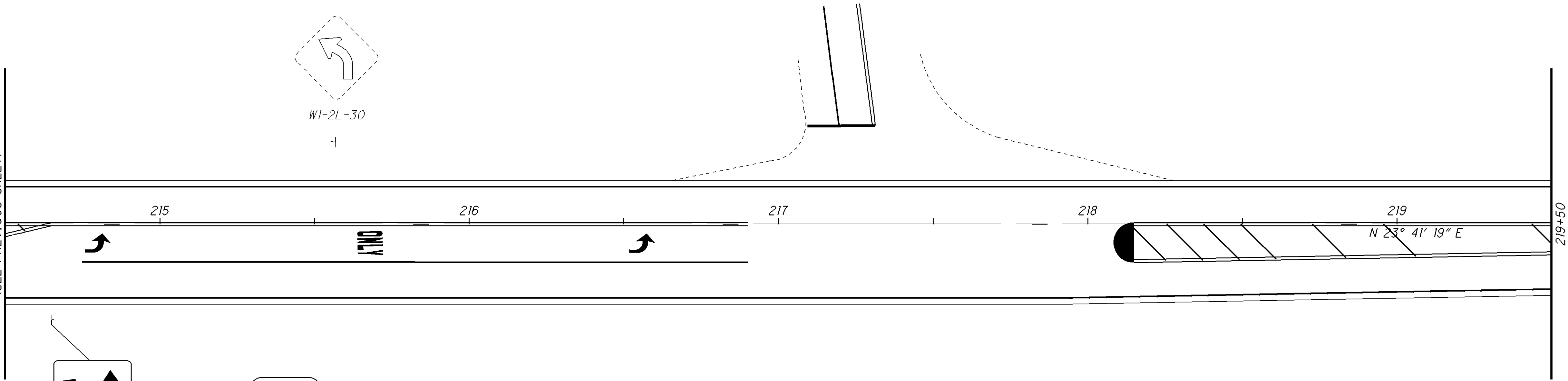
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TRAFFIC CONTROL PLAN/QUANTITIES SHEET  
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| LOCATION 1A SHEET TOTALS |     |   |   |    |       |       |       |      |      |     |    | ITEM | ITEM EXT. | GRAND TOTALS | UNIT | DESCRIPTION                                              |
|--------------------------|-----|---|---|----|-------|-------|-------|------|------|-----|----|------|-----------|--------------|------|----------------------------------------------------------|
| 2                        | 3   | 4 | 5 | 6  | 13    | 16    | 17    | 21   | 22   | 23  | 42 |      |           |              |      |                                                          |
|                          |     |   |   |    |       |       |       |      |      |     |    |      |           |              |      | ROADWAY                                                  |
|                          | 330 |   |   |    |       |       | 1,086 |      |      |     |    | 202  | 23500     | 1,416        | SY   | WEARING COURSE REMOVED                                   |
|                          |     |   |   |    |       | 1.08  |       |      |      |     |    | 209  | 72501     | 1.08         | MILE | PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN      |
|                          |     |   |   |    |       |       |       |      |      |     |    |      |           |              |      | PAVEMENT                                                 |
| 100                      |     |   |   |    |       |       |       |      |      |     |    | 253  | 02000     | 100          | CY   | PAVEMENT REPAIR                                          |
|                          |     |   |   |    | 8,730 | 1,901 |       |      |      |     |    | 254  | 01000     | 10,631       | SY   | PAVEMENT PLANING, ASPHALT CONCRETE , 1.50"               |
|                          | 1   |   |   |    |       |       |       |      |      |     |    | 304  | 20000     | 1            | CY   | AGGREGATE BASE                                           |
|                          |     |   |   |    | 655   | 143   | 82    |      |      |     |    | 407  | 20000     | 880          | GAL  | NON-TRACKING TACK COAT                                   |
|                          |     |   |   |    |       | 507   |       |      |      |     |    | 408  | 10001     | 507          | GAL  | PRIME COAT, AS PER PLAN                                  |
|                          |     |   |   |    |       |       | 46    |      |      |     |    | 441  | 50000     | 46           | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22  |
|                          | 15  | 8 |   |    | 364   | 80    |       |      |      |     |    | 441  | 50100     | 467          | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M |
|                          |     |   |   |    |       |       |       |      |      |     |    | 441  | 50300     |              | CY   | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)      |
|                          |     |   |   |    |       | 71    |       |      |      |     |    | 617  | 10101     | 71           | CY   | COMPACTED AGGREGATE, AS PER PLAN                         |
|                          |     |   |   |    |       | 1,268 |       |      |      |     |    | 617  | 20000     | 1,268        | SY   | SHOULDER PREPARATION                                     |
|                          |     |   |   |    |       |       |       | 1.08 |      |     |    | 618  | 41000     | 1.08         | MILE | EDGE LINE, RUMBLE STRIPE (ASPHALT CONCRETE)              |
|                          |     |   |   |    |       |       |       |      |      |     |    |      |           |              |      | TRAFFIC CONTROL                                          |
|                          |     |   |   |    |       |       |       |      |      |     | 64 | 621  | 00100     | 64           | EACH | RPM                                                      |
|                          |     |   |   |    |       |       |       |      |      |     | 64 | 621  | 54000     | 64           | EACH | RAISED PAVEMENT MARKER REMOVED                           |
|                          |     |   |   |    |       |       |       |      |      | 323 |    | 644  | 00400     | 323          | FT   | CHANNELIZING LINE, 8"                                    |
|                          |     |   |   |    |       |       |       |      |      | 124 |    | 644  | 00500     | 124          | FT   | STOP LINE                                                |
|                          |     |   |   |    |       |       |       |      |      | 200 |    | 644  | 00700     | 200          | FT   | TRANSVERSE/DIAGONAL LINE                                 |
|                          |     |   |   |    |       |       |       |      |      | 3   |    | 644  | 01300     | 3            | EACH | LANE ARROW                                               |
|                          |     |   |   |    |       |       |       |      |      | 2   |    | 644  | 01410     | 2            | EACH | WORD ON PAVEMENT, 96"                                    |
|                          |     |   |   |    |       |       |       | 1.08 |      |     |    | 648  | 00104     | 1.08         | MILE | EDGE LINE, 6"                                            |
|                          |     |   |   |    |       |       |       |      | 0.54 |     |    | 648  | 00300     | 0.54         | MILE | CENTER LINE                                              |
|                          |     |   |   |    |       |       |       |      |      |     |    |      |           |              |      | MAINTENANCE OF TRAFFIC                                   |
|                          |     |   | 7 |    |       |       |       |      |      |     |    | 614  | 12460     | 7            | EACH | WORK ZONE MARKING SIGN                                   |
|                          |     |   | 2 |    |       |       |       |      |      |     |    | 614  | 13000     | 2            | CY   | ASPHALT CONCRETE FOR MANTANING TRAFFIC                   |
|                          |     |   |   | 60 |       |       |       |      |      |     |    | 614  | 18401     | 60           | DAY  | PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN            |
|                          |     |   |   |    | 0.54  |       |       |      |      |     |    | 614  | 21550     | 0.54         | MILE | WORK ZONE CENTER LINE, CLASS III, 642 PAINT              |



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| LOCATION 1B SHEET TOTALS |       |     |    |    |        |        |       |       |       |      |    |     |       | ITEM | ITEM EXT. | GRAND TOTALS | UNIT | DESCRIPTION                                                                    |
|--------------------------|-------|-----|----|----|--------|--------|-------|-------|-------|------|----|-----|-------|------|-----------|--------------|------|--------------------------------------------------------------------------------|
| 2                        | 3     | 4   | 5  | 6  | 13     | 16     | 17    | 19    | 21    | 22   | 23 | 42  | 50    |      |           |              |      |                                                                                |
|                          | 1,720 |     |    |    |        |        | 4,106 | 1,333 |       |      |    |     |       | 202  | 23500     | 7,159        | SY   | ROADWAY                                                                        |
|                          |       |     |    |    |        |        |       |       |       |      |    |     | 300   | 202  | 38000     | 300          | FT   | WEARING COURSE REMOVED                                                         |
|                          |       |     |    |    |        |        |       |       |       |      |    |     |       |      |           |              |      | GUARDRAIL REMOVED                                                              |
|                          |       |     |    |    |        | 11.78  |       |       |       |      |    |     |       | 209  | 72501     | 11.78        | MILE | PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN                            |
|                          |       |     |    |    |        |        |       |       |       |      |    |     | 350.0 | 606  | 15050     | 350.0        | FT   | GUARDRAIL, TYPE MGS                                                            |
|                          |       |     |    |    |        |        |       |       |       |      |    |     | 600.0 | 606  | 15100     | 600.0        | FT   | GUARDRAIL, TYPE MGS WITH LONG POSTS                                            |
|                          |       |     |    |    |        |        |       |       |       |      |    |     | 4     | 606  | 26150     | 4            | EACH | ANCHOR ASSEMBLY, MGS TYPE E                                                    |
| 700                      |       |     |    |    |        |        |       |       |       |      |    |     |       | 253  | 02000     | 700          | CY   | PAVEMENT                                                                       |
|                          |       |     |    |    | 89,866 | 21,801 |       |       |       |      |    |     |       | 254  | 01000     | 111,667      | SY   | PAVEMENT PLANING, ASPHALT CONCRETE ,1.50"                                      |
|                          |       |     |    |    | 9,117  | 1,467  |       |       |       |      |    |     |       | 254  | 01000     | 10,584       | SY   | PAVEMENT PLANING, ASPHALT CONCRETE , 3.25"                                     |
|                          | 4     |     |    |    |        |        |       |       |       |      |    |     |       | 304  | 20000     | 4            | CY   | AGGREGATE BASE                                                                 |
|                          |       |     |    |    | 7,880  | 1,819  | 339   | 15    |       |      |    |     |       | 407  | 20000     | 10,053       | GAL  | NON-TRACKING TACK COAT                                                         |
|                          |       |     |    |    |        | 5,482  |       |       |       |      |    |     |       | 408  | 10001     | 5,482        | GAL  | PRIME COAT, AS PER PLAN                                                        |
|                          | 72    | 83  |    |    | 4,125  | 970    | 173   | 8     |       |      |    |     |       | 441  | 50000     | 173          | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22                        |
|                          |       |     |    |    | 652    | 72     | 28    | 65    |       |      |    |     |       | 441  | 50100     | 5,258        | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M                       |
|                          |       |     |    |    |        |        |       |       |       |      |    |     |       | 441  | 50300     | 817          | CY   | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)                            |
|                          |       |     |    |    |        |        |       | 86    |       |      |    |     |       | 516  | 31011     | 86           | FT   | 2" DEEP JOINT SEALER, AS PER PLAN                                              |
|                          |       |     |    |    |        | 762    |       |       |       |      |    |     |       | 617  | 10101     | 762          | CY   | COMPACTED AGGREGATE, AS PER PLAN                                               |
|                          |       |     |    |    |        | 13,705 |       |       |       |      |    |     |       | 617  | 20000     | 13,705       | SY   | SHOULDER PREPARATION                                                           |
|                          |       |     |    |    |        |        |       |       | 11.88 |      |    |     |       | 618  | 41000     | 11.88        | MILE | EDGE LINE, RUMBLE STRIPE (ASPHALT CONCRETE)                                    |
|                          |       | 500 |    |    |        |        |       |       |       |      |    |     |       | 690  | 12050     | 500          | SY   | SPECIAL - REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS |
|                          |       |     |    |    |        |        |       |       |       |      |    |     |       |      |           |              |      | TRAFFIC CONTROL                                                                |
|                          |       |     |    |    |        |        |       |       |       |      |    | 741 |       | 621  | 00100     | 741          | EACH | RPM                                                                            |
|                          |       |     |    |    |        |        |       |       |       |      |    | 741 |       | 621  | 54000     | 741          | EACH | RAISED PAVEMENT MARKER REMOVED                                                 |
|                          |       |     |    |    |        |        |       |       |       |      |    |     | 16    | 626  | 00110     | 16           | EACH | BARRIER REFLECTOR, TYPE 2                                                      |
|                          |       |     |    |    |        |        |       |       |       |      |    |     | 34.5  | 630  | 03100     | 34.5         | EACH | GROUND MOUNTED SUPPORT, NO. 3 POST                                             |
|                          |       |     |    |    |        |        |       |       |       |      |    |     | 6.25  | 630  | 80100     | 6.25         | SF   | SIGN, FLAT SHEET                                                               |
|                          |       |     |    |    |        |        |       |       |       |      |    |     | 6     | 630  | 84900     | 6            | EACH | REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL                                    |
|                          |       |     |    |    |        |        |       |       |       |      |    |     | 3     | 630  | 85100     | 3            | EACH | REMOVAL OF GROUND MOUNTED SIGN AND REERECTION                                  |
|                          |       |     |    |    |        |        |       |       |       |      |    |     | 5     | 630  | 86002     | 5            | EACH | REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL                            |
|                          |       | 12  |    |    |        |        |       |       |       |      |    |     |       | 632  | 26501     | 12           | EACH | DETECTOR LOOP, AS PER PLAN                                                     |
|                          |       |     |    |    |        |        |       |       |       |      |    |     |       | 644  | 00400     | 1,845        | FT   | CHANNELIZING LINE, 8"                                                          |
|                          |       |     |    |    |        |        |       |       |       |      |    |     |       | 644  | 00500     | 473          | FT   | STOP LINE                                                                      |
|                          |       |     |    |    |        |        |       |       |       |      |    |     |       | 644  | 00700     | 2,026        | FT   | TRANSVERSE/DIAGONAL LINE                                                       |
|                          |       |     |    |    |        |        |       |       |       |      |    |     |       | 644  | 00900     | 285          | SF   | ISLAND MARKING                                                                 |
|                          |       |     |    |    |        |        |       |       |       |      |    |     |       | 644  | 01300     | 19           | EACH | LANE ARROW                                                                     |
|                          |       |     |    |    |        |        |       |       |       |      |    |     |       | 644  | 01350     | 1            | EACH | LANE REDUCTION ARROW                                                           |
|                          |       |     |    |    |        |        |       |       |       |      |    |     |       | 644  | 01410     | 9            | EACH | WORD ON PAVEMENT, 96"                                                          |
|                          |       |     |    |    |        |        |       |       | 11.88 |      |    |     |       | 648  | 00104     | 11.88        | MILE | EDGE LINE, 6"                                                                  |
|                          |       |     |    |    |        |        |       |       |       | 0.71 |    |     |       | 648  | 00204     | 0.71         | MILE | LANE LINE, 6"                                                                  |
|                          |       |     |    |    |        |        |       |       |       | 6.29 |    |     |       | 648  | 00300     | 6.29         | MILE | CENTER LINE                                                                    |
|                          |       |     |    |    |        |        |       |       |       |      |    |     |       |      |           |              |      | MAINTENANCE OF TRAFFIC                                                         |
|                          |       |     | 80 |    |        |        |       |       |       |      |    |     |       | 614  | 11110     | 80           | hour | LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE                         |
|                          |       |     | 81 |    |        |        |       |       |       |      |    |     |       | 614  | 12460     | 81           | EACH | WORK ZONE MARKING SIGN                                                         |
|                          |       |     | 3  |    |        |        |       |       |       |      |    |     |       | 614  | 13000     | 3            | CY   | ASPHALT CONCRETE FOR MAINTAINING TRAFFIC                                       |
|                          |       |     |    | 60 |        |        |       |       |       |      |    |     |       | 614  | 18401     | 60           | CY   | MAINTAINING TRAFFIC, MISC.:                                                    |
|                          |       |     |    |    | 0.54   |        |       |       |       |      |    |     |       | 614  | 21400     | 0.54         | MILE | WORK ZONE CENTER LINE, CLASS II                                                |
|                          |       |     |    |    | 5.91   |        |       |       |       |      |    |     |       | 614  | 21550     | 5.91         | MILE | WORK ZONE CENTER LINE, CLASS III, 642 PAINT                                    |



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| Location 1b Sheet Totals |      |      |       |       |       |     |  |  |  |  | ITEM | ITEM EXT. | GRAND TOTALS | UNIT | DESCRIPTION                                                 |
|--------------------------|------|------|-------|-------|-------|-----|--|--|--|--|------|-----------|--------------|------|-------------------------------------------------------------|
| 4                        | 48   | 63   | 64    | 65    | 83    | 84  |  |  |  |  |      |           |              |      |                                                             |
|                          |      |      |       |       |       |     |  |  |  |  |      |           |              |      | ROADWAY                                                     |
|                          | 1    |      |       |       |       |     |  |  |  |  | 202  | 20010     | 1            | EACH | HEADWALL REMOVED                                            |
|                          | 17   |      | 433   |       |       | 117 |  |  |  |  | 202  | 23010     | 567          | SY   | PAVEMENT REMOVED, ASPHALT                                   |
| 400                      |      |      |       |       |       | 513 |  |  |  |  | 202  | 30000     | 913          | SF   | WALK REMOVED                                                |
|                          | 40   |      |       | 1,514 |       |     |  |  |  |  | 202  | 35100     | 1,554        | FT   | PIPE REMOVED, 24" AND UNDER                                 |
|                          |      |      |       | 10    |       |     |  |  |  |  | 202  | 58100     | 10           | EACH | CATCH BASIN REMOVED                                         |
|                          |      |      |       | 1     |       |     |  |  |  |  | 202  | 58500     | 1            | EACH | CATCH BASIN ABANDONED                                       |
|                          |      |      |       | 165   |       |     |  |  |  |  | 202  | 70000     | 165          | FT   | SPECIAL - FILL AND PLUG EXISTING CONDUIT                    |
|                          | 98   |      |       |       | 190   |     |  |  |  |  | 203  | 10000     | 288          | CY   | EXCAVATION                                                  |
|                          | 84   |      | 36    |       | 42    | 9   |  |  |  |  | 203  | 20000     | 171          | CY   | EMBANKMENT                                                  |
|                          | 12   |      |       |       |       | 160 |  |  |  |  | 204  | 10000     | 172          | SY   | SUBGRADE COMPACTION                                         |
| 400                      |      |      |       |       |       | 539 |  |  |  |  | 608  | 10000     | 400          | SF   | 4" CONCRETE WALK                                            |
|                          |      |      |       |       |       |     |  |  |  |  | 608  | 13000     | 539          | SF   | 6" CONCRETE WALK                                            |
|                          |      |      |       |       |       |     |  |  |  |  |      |           |              |      | EROSION CONTROL                                             |
|                          |      |      |       | 6     |       |     |  |  |  |  | 601  | 32100     | 6            | CY   | ROCK CHANNEL PROTECTION, TYPE B WITH FILTER                 |
|                          |      |      |       |       | 171   |     |  |  |  |  | 653  | 10000     | 171          | CY   | TOPSOIL FURNISHED AND PLACED                                |
|                          |      |      |       |       | 2,994 |     |  |  |  |  | 659  | 00500     | 2,994        | SY   | SEEDING AND MULCHING, CLASS 1                               |
|                          |      | 150  |       |       |       |     |  |  |  |  | 659  | 14000     | 150          | SY   | REPAIR SEEDING AND MULCHING                                 |
|                          |      | 150  |       |       |       |     |  |  |  |  | 659  | 15000     | 150          | SY   | INTER-SEEDING                                               |
|                          |      | 0.42 |       |       |       |     |  |  |  |  | 659  | 20000     | 0.42         | TON  | COMMERCIAL FERTILIZER                                       |
|                          |      | 0.62 |       |       |       |     |  |  |  |  | 659  | 31000     | 0.62         | ACRE | LIME                                                        |
|                          |      | 17   |       |       |       |     |  |  |  |  | 659  | 35000     | 17           | MGAL | WATER                                                       |
|                          |      |      |       |       |       |     |  |  |  |  |      |           |              |      | DRAINAGE                                                    |
|                          | 0.54 |      |       | 0.81  |       |     |  |  |  |  | 602  | 20000     | 1.35         | CY   | CONCRETE MASONRY                                            |
|                          |      |      |       | 45    |       |     |  |  |  |  | 611  | 02000     | 45           | FT   | 8" CONDUIT, TYPE C                                          |
|                          |      |      |       | 5     |       |     |  |  |  |  | 611  | 04400     | 5            | FT   | 12" CONDUIT, TYPE B                                         |
| 54                       |      |      |       | 2,423 |       |     |  |  |  |  | 611  | 05900     | 2,477        | FT   | 15" CONDUIT, TYPE B                                         |
|                          |      |      |       | 11    |       |     |  |  |  |  | 611  | 98180     | 11           | EACH | CATCH BASIN, NO. 3A                                         |
|                          |      |      |       | 2     |       |     |  |  |  |  | 611  | 98370     | 2            | EACH | CATCH BASIN, NO. 6                                          |
|                          |      |      |       | 7     |       |     |  |  |  |  | 611  | 98470     | 7            | EACH | CATCH BASIN, NO. 2-2B                                       |
|                          |      |      |       | 1     |       |     |  |  |  |  | 611  | 99574     | 1            | EACH | MANHOLE, NO. 3                                              |
|                          |      |      |       | 1     |       |     |  |  |  |  | 611  | 99710     | 1            | EACH | PRECAST REINFORCED CONCRETE OUTLET                          |
|                          |      |      |       |       |       |     |  |  |  |  |      |           |              |      | PAVEMENT                                                    |
|                          | 2    |      | 19    |       |       | 22  |  |  |  |  | 301  | 46000     | 19           | CY   | ASPHALT CONCRETE BASE, PG64-22                              |
|                          |      |      |       |       |       |     |  |  |  |  | 301  | 48000     | 24           | CY   | ASPHALT CONCRETE BASE, PG64-22 (DRIVEWAYS)                  |
|                          | 2    | 15   |       |       |       | 13  |  |  |  |  | 304  | 20000     | 30           | CY   | AGGREGATE BASE                                              |
|                          | 164  |      |       |       |       | 7   |  |  |  |  | 407  | 20000     | 171          | GAL  | NON-TRACKING TACK COAT                                      |
|                          | 53   |      |       |       |       |     |  |  |  |  | 441  | 50000     | 53           | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22     |
|                          | 62   |      |       |       |       |     |  |  |  |  | 441  | 50300     | 62           | CY   | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)         |
|                          | 1    |      |       |       |       | 7   |  |  |  |  | 441  | 50400     | 8            | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), (DRIVEWAYS) |
|                          |      |      | 1,376 |       |       |     |  |  |  |  | 609  | 26000     | 1,376        | FT   | CURB, TYPE 6                                                |
|                          |      | 25   | 93    |       |       |     |  |  |  |  | 613  | 41300     | 118          | CY   | LOW STRENGTH MORTAR BACKFILL (TYPE 2)                       |
| 10                       |      |      |       |       |       |     |  |  |  |  | 613  | 41301     | 10           | CY   | LOW STRENGTH MORTAR BACKFILL (TYPE 2), AS PER PLAN          |



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| LOCATION 1C SHEET TOTALS |     |    |   |        |       |      |      |     |     | ITEM | ITEM EXT. | GRAND TOTALS | UNIT | DESCRIPTION                                              |
|--------------------------|-----|----|---|--------|-------|------|------|-----|-----|------|-----------|--------------|------|----------------------------------------------------------|
| 2                        | 3   | 4  | 5 | 13     | 16    | 21   | 22   | 24  | 43  |      |           |              |      |                                                          |
|                          | 400 |    |   |        |       |      |      |     |     | 202  | 23500     | 400          | SY   | ROADWAY<br>WEARING COURSE REMOVED                        |
|                          |     |    |   |        | 2.56  |      |      |     |     | 209  | 72501     | 2.56         | MILE | PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN      |
|                          |     |    |   |        |       |      |      |     |     |      |           |              |      | PAVEMENT                                                 |
| 120                      |     |    |   |        |       |      |      |     |     | 253  | 02000     | 120          | CY   | PAVEMENT REPAIR                                          |
|                          |     |    |   | 18,868 | 4,882 |      |      |     |     | 254  | 01000     | 23,750       | SY   | PAVEMENT PLANING, ASPHALT CONCRETE ,1.50"                |
|                          | 1   |    |   |        |       |      |      |     |     | 304  | 20000     | 1            | CY   | AGGREGATE BASE                                           |
|                          |     |    |   | 1,415  | 367   |      |      |     |     | 407  | 20000     | 1,782        | GAL  | NON-TRACKING TACK COAT                                   |
|                          |     |    |   |        | 1,202 |      |      |     |     | 408  | 10001     | 1,202        | GAL  | PRIME COAT, AS PER PLAN                                  |
|                          | 17  | 18 |   | 787    | 204   |      |      |     |     | 441  | 50000     |              | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22  |
|                          |     |    |   |        |       |      |      |     |     | 441  | 50100     | 1,026        | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M |
|                          |     |    |   |        |       |      |      |     |     | 441  | 50300     |              | CY   | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)      |
|                          |     |    |   |        | 167   |      |      |     |     | 617  | 10101     | 167          | CY   | COMPACTED AGGREGATE, AS PER PLAN                         |
|                          |     |    |   |        | 3,004 |      |      |     |     | 617  | 20000     | 3,004        | SY   | SHOULDER PREPARATION                                     |
|                          |     |    |   |        |       | 2.56 |      |     |     | 618  | 41000     | 2.56         | MILE | EDGE LINE, RUMBLE STRIPE (ASPHALT CONCRETE)              |
|                          |     |    |   |        |       |      |      |     |     |      |           |              |      | TRAFFIC CONTROL                                          |
|                          |     |    |   |        |       |      |      |     | 176 | 621  | 00100     | 176          | EACH | RPM                                                      |
|                          |     |    |   |        |       |      |      |     | 176 | 621  | 54000     | 176          | EACH | RAISED PAVEMENT MARKER REMOVED                           |
|                          |     | 5  |   |        |       |      |      |     |     | 632  | 26501     | 5            | EACH | DETECTOR LOOP, AS PER PLAN                               |
|                          |     |    |   |        |       |      |      | 290 |     | 644  | 00400     | 290          | FT   | CHANNELIZING LINE, 8"                                    |
|                          |     |    |   |        |       |      |      | 52  |     | 644  | 00500     | 52           | FT   | STOP LINE                                                |
|                          |     |    |   |        |       |      |      | 169 |     | 644  | 00700     | 169          | FT   | TRANSVERSE/DIAGONAL LINE                                 |
|                          |     |    |   |        |       |      |      | 3   |     | 644  | 01300     | 3            | EACH | LANE ARROW                                               |
|                          |     |    |   |        |       |      |      | 1   |     | 644  | 01410     | 1            | EACH | WORD ON PAVEMENT, 96"                                    |
|                          |     |    |   |        |       | 2.56 |      |     |     | 648  | 00104     | 2.56         | MILE | EDGE LINE, 6"                                            |
|                          |     |    |   |        |       |      | 1.37 |     |     | 648  | 00300     | 1.37         | MILE | CENTER LINE                                              |
|                          |     |    |   |        |       |      |      |     |     |      |           |              |      | MAINTENANCE OF TRAFFIC                                   |
|                          |     |    | 9 |        |       |      |      |     |     | 614  | 12460     | 9            | EACH | WORK ZONE MARKING SIGN                                   |
|                          |     |    |   | 1.28   |       |      |      |     |     | 614  | 21550     | 1.28         | MILE | WORK ZONE CENTER LINE, CLASS III, 642 PAINT              |
|                          |     |    |   |        |       |      |      |     |     |      |           |              |      |                                                          |



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| LOCATION 1D SHEET TOTALS |     |   |    |       |       |     |      |      |    |     | ITEM | ITEM EXT. | GRAND TOTALS | UNIT | DESCRIPTION                                              |
|--------------------------|-----|---|----|-------|-------|-----|------|------|----|-----|------|-----------|--------------|------|----------------------------------------------------------|
| 2                        | 3   | 4 | 5  | 13    | 16    | 17  | 21   | 22   | 24 | 43  |      |           |              |      |                                                          |
|                          |     |   |    |       |       |     |      |      |    |     |      |           |              |      | ROADWAY                                                  |
|                          | 170 |   |    |       |       | 339 |      |      |    |     | 202  | 23500     | 509          | SY   | WEARING COURSE REMOVED                                   |
|                          |     |   |    |       | 1.22  |     |      |      |    |     | 209  | 72501     | 1.22         | MILE | PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN      |
|                          |     |   |    |       |       |     |      |      |    |     |      |           |              |      | DRAINAGE                                                 |
|                          | 1   |   |    |       |       |     |      |      |    |     | 611  | 99654     | 1            | EACH | MANHOLE ADJUSTED TO GRADE                                |
|                          |     |   |    |       |       |     |      |      |    |     |      |           |              |      | PAVEMENT                                                 |
| 60                       |     |   |    |       |       |     |      |      |    |     | 253  | 02000     | 60           | CY   | PAVEMENT REPAIR                                          |
|                          |     |   |    | 6,477 | 1,080 |     |      |      |    |     | 254  | 01000     | 7,557        | SY   | PAVEMENT PLANING, ASPHALT CONCRETE , 1.50"               |
|                          |     |   |    | 2,852 | 352   |     |      |      |    |     | 254  | 01000     | 3,204        | SY   | PAVEMENT PLANING, ASPHALT CONCRETE , 3.25"               |
|                          | 1   |   |    |       |       |     |      |      |    |     | 304  | 20000     | 1            | CY   | AGGREGATE BASE                                           |
|                          |     |   |    | 843   | 125   | 26  |      |      |    |     | 407  | 20000     | 994          | GAL  | NON-TRACKING TACK COAT                                   |
|                          |     |   |    |       | 573   |     |      |      |    |     | 408  | 10001     | 573          | GAL  | PRIME COAT, AS PER PLAN                                  |
|                          |     |   |    |       |       | 12  |      |      |    |     | 441  | 50000     | 12           | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22  |
|                          | 7   | 9 |    | 389   | 60    |     |      |      |    |     | 441  | 50100     | 465          | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M |
|                          |     |   |    | 139   | 18    |     |      |      |    |     | 441  | 50300     | 157          | CY   | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)      |
|                          |     |   |    |       | 80    |     |      |      |    |     | 617  | 10101     | 80           | CY   | COMPACTED AGGREGATE, AS PER PLAN                         |
|                          |     |   |    |       | 1,432 |     |      |      |    |     | 617  | 20000     | 1,432        | SY   | SHOULDER PREPARATION                                     |
|                          |     |   |    |       |       |     |      |      |    |     |      |           |              |      | TRAFFIC CONTROL                                          |
|                          |     |   |    |       |       |     |      |      |    | 125 | 621  | 00100     | 125          | EACH | RPM                                                      |
|                          |     |   |    |       |       |     |      |      |    | 125 | 621  | 54000     | 125          | EACH | RAISED PAVEMENT MARKER REMOVED                           |
|                          |     | 3 |    |       |       |     |      |      |    |     | 632  | 26501     | 3            | EACH | DETECTOR LOOP, AS PER PLAN                               |
|                          |     |   |    |       |       |     |      |      |    | 140 | 644  | 00400     | 140          | FT   | CHANNELIZING LINE, 8"                                    |
|                          |     |   |    |       |       |     |      |      |    | 37  | 644  | 00500     | 37           | FT   | STOP LINE                                                |
|                          |     |   |    |       |       |     |      |      |    | 229 | 644  | 00700     | 229          | FT   | TRANSVERSE/DIAGONAL LINE                                 |
|                          |     |   |    |       |       |     |      |      |    | 4   | 644  | 01300     | 4            | EACH | LANE ARROW                                               |
|                          |     |   |    |       |       |     | 1.22 |      |    |     | 648  | 00104     | 1.22         | MILE | EDGE LINE, 6"                                            |
|                          |     |   |    |       |       |     |      | 0.74 |    |     | 648  | 00300     | 0.74         | MILE | CENTER LINE                                              |
|                          |     |   |    |       |       |     |      |      |    |     |      |           |              |      | MAINTENANCE OF TRAFFIC                                   |
|                          |     |   | 16 |       |       |     |      |      |    |     | 614  | 11110     | 16           | HOUR | LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE   |
|                          |     |   | 5  |       |       |     |      |      |    |     | 614  | 12460     | 5            | EACH | WORK ZONE MARKING SIGN                                   |
|                          |     |   |    | 0.15  |       |     |      |      |    |     | 614  | 21400     | 0.15         | MILE | WORK ZONE CENTER LINE, CLASS II                          |
|                          |     |   |    | 0.61  |       |     |      |      |    |     | 614  | 21550     | 0.61         | MILE | WORK ZONE CENTER LINE, CLASS III, 642 PAINT              |



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| LOCATION 1E SHEET TOTALS |    |   |   |    |        |   |       |    |     |    |      | ITEM | ITEM EXT. | GRAND TOTALS | UNIT | DESCRIPTION                                              |
|--------------------------|----|---|---|----|--------|---|-------|----|-----|----|------|------|-----------|--------------|------|----------------------------------------------------------|
| 2                        | 3  | 4 | 5 | 6  | 14     | 7 | 17    | 19 | 20  | 22 | 24   |      |           |              |      |                                                          |
|                          |    |   |   |    |        |   | 1,138 |    |     |    |      | 202  | 23500     | 1,138        | SY   | ROADWAY                                                  |
|                          |    |   |   |    |        |   |       |    | 336 |    |      | 202  | 30000     | 336          | SF   | WEARING COURSE REMOVED                                   |
|                          |    |   |   |    |        |   |       |    | 37  |    |      | 202  | 32000     | 37           | FT   | WALK REMOVED                                             |
|                          |    |   |   |    |        |   |       |    | 348 |    |      | 608  | 10000     | 348          | SF   | CURB REMOVED                                             |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      | 4" CONCRETE WALK                                         |
|                          |    |   |   |    |        |   |       |    | 2   |    |      | 690  | 98000     | 2            | EACH |                                                          |
|                          |    |   |   |    |        |   |       |    | 1   |    |      | 690  | 98000     | 1            | EACH | SPECIAL - CURB RAMP, TYPE A1                             |
|                          |    |   |   |    |        |   |       |    | 8   |    |      | 690  | 98200     | 8            | SF   | SPECIAL - CURB RAMP, TYPE A2                             |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      | SPECIAL - DETECTABLE WARNING                             |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      |                                                          |
|                          | 3  |   |   |    |        |   |       |    |     |    |      | 611  | 98630     | 3            | EACH | DRAINAGE                                                 |
|                          | 12 |   |   |    |        |   |       |    |     |    |      | 611  | 99654     | 12           | EACH | CATCH BASIN ADJUSTED TO GRADE                            |
|                          | 5  |   |   |    |        |   |       |    |     |    |      | 638  | 10800     | 5            | EACH | MANHOLE ADJUSTED TO GRADE                                |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      | VALVE BOX ADJUSTED TO GRADE                              |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      |                                                          |
| 220                      |    |   |   |    |        |   |       |    |     |    |      | 253  | 02000     | 220          | CY   | PAVEMENT                                                 |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      | PAVEMENT REPAIR                                          |
|                          |    |   |   |    | 12,686 |   |       |    |     |    |      | 254  | 01000     | 12,686       | SY   |                                                          |
|                          |    |   |   |    | 1,232  |   |       |    |     |    |      | 254  | 01000     | 1,232        | SY   | PAVEMENT PLANING, ASPHALT CONCRETE , 1.50"               |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      | PAVEMENT PLANING, ASPHALT CONCRETE , 3.25"               |
|                          |    |   |   |    | 1,106  |   | 86    |    |     |    |      | 407  | 20000     | 1,192        | GAL  | NON-TRACKING TACK COAT                                   |
|                          |    |   |   |    |        |   | 48    |    |     |    |      | 441  | 50000     | 48           | CY   |                                                          |
|                          |    |   |   |    | 580    |   |       |    |     |    |      | 441  | 50100     | 580          | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22  |
|                          |    |   |   |    | 60     |   |       |    |     |    |      | 441  | 50300     | 60           | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)      |
|                          |    |   |   |    |        |   |       | 56 |     |    |      | 516  | 31011     | 56           | FT   |                                                          |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      | 2" DEEP JOINT SEALER, AS PER PLAN                        |
|                          |    |   |   |    |        |   |       |    | 37  |    |      | 609  | 26000     | 37           | FT   |                                                          |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      | CURB, TYPE 6                                             |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      |                                                          |
|                          |    |   | 3 |    |        |   |       |    |     |    |      | 632  | 26501     | 3            | EACH | TRAFFIC CONTROL                                          |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      | DETECTOR LOOP, AS PER PLAN                               |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      |                                                          |
|                          |    |   |   |    |        |   |       |    |     |    | 138  | 644  | 00400     | 138          | FT   |                                                          |
|                          |    |   |   |    |        |   |       |    |     |    | 124  | 644  | 00500     | 124          | FT   | CHANNELIZING LINE, 8"                                    |
|                          |    |   |   |    |        |   |       |    |     |    | 537  | 644  | 00600     | 537          | FT   | STOP LINE                                                |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      | CROSSWALK LINE                                           |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      |                                                          |
|                          |    |   |   |    |        |   |       |    |     |    | 5    | 644  | 01300     | 5            | EACH |                                                          |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      | LANE ARROW                                               |
|                          |    |   |   |    |        |   |       |    |     |    | 0.73 | 648  | 00300     | 0.73         | MILE |                                                          |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      | CENTER LINE                                              |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      |                                                          |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      |                                                          |
|                          |    |   |   | 40 |        |   |       |    |     |    |      | 614  | 11110     | 40           | hour | MAINTENANCE OF TRAFFIC                                   |
|                          |    |   | 4 |    |        |   |       |    |     |    |      | 614  | 12460     | 4            | EACH | LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE   |
|                          |    |   | 6 |    |        |   |       |    |     |    |      | 614  | 13000     | 6            | CY   | WORK ZONE MARKING SIGN                                   |
|                          |    |   |   | 60 |        |   |       |    |     |    |      | 614  | 18401     | 60           | DAY  | ASPHALT CONCRETE FOR MAINTAINING TRAFFIC                 |
|                          |    |   |   |    | 0.06   |   |       |    |     |    |      | 614  | 21400     | 0.06         | MILE | PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN            |
|                          |    |   |   |    | 0.69   |   |       |    |     |    |      | 614  | 21550     | 0.69         | MILE | WORK ZONE CENTER LINE, CLASS II                          |
|                          |    |   |   |    |        |   |       |    |     |    |      |      |           |              |      | WORK ZONE CENTER LINE, CLASS III, 642 PAINT              |



SHEET  
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USED



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| LOCATION TOTALS |       |       |      |      |       |  |  |             | FUNDING SPLITS |           |                |                |                |           | ITEM | ITEM EXT. | GRAND TOTALS | UNIT | DESCRIPTION                                         | SEE SHEET |
|-----------------|-------|-------|------|------|-------|--|--|-------------|----------------|-----------|----------------|----------------|----------------|-----------|------|-----------|--------------|------|-----------------------------------------------------|-----------|
| 1A              | 1B    | 1B GJ | 1C   | 1D   | 1E    |  |  | D05 COMPLEX | 01/S<2/PV      | 02/STR/PV | 03/NHS/PV/HEAT | 04/NHS/PV/NEWA | 05/NHS/OT/NEWA | 06/STR/PV |      |           |              |      |                                                     |           |
|                 |       |       |      |      |       |  |  |             |                |           |                |                |                |           |      |           |              |      | ROADWAY                                             |           |
|                 |       | 1     |      |      |       |  |  |             |                | 1         |                |                |                |           | 202  | 20010     | 1            | EACH | HEADWALL REMOVED                                    |           |
|                 |       | 567   |      |      |       |  |  |             |                | 567       |                |                |                |           | 202  | 23010     | 567          | SY   | PAVEMENT REMOVED, ASPHALT                           |           |
| 1,416           | 5,826 |       | 400  | 509  | 1,138 |  |  |             | 1,816          | 5,826     | 509            | 1,138          |                |           | 202  | 23500     | 9,289        | SY   | WEARING COURSE REMOVED                              |           |
|                 |       | 913   |      |      | 336   |  |  |             |                | 913       |                |                | 336            |           | 202  | 30000     | 1,249        | SF   | WALK REMOVED                                        |           |
|                 |       |       |      |      | 37    |  |  | 100         |                |           |                |                | 37             | 100       | 202  | 32000     | 137          | FT   | CURB REMOVED                                        |           |
|                 |       | 1,554 |      |      |       |  |  |             |                | 1,554     |                |                |                |           | 202  | 35100     | 1,554        | FT   | PIPE REMOVED, 24" AND UNDER                         |           |
|                 | 300   |       |      |      |       |  |  |             |                | 300       |                |                |                |           | 202  | 38000     | 300          | FT   | GUARDRAIL REMOVED                                   |           |
|                 |       | 10    |      |      |       |  |  |             |                | 10        |                |                |                |           | 202  | 58100     | 10           | EACH | CATCH BASIN REMOVED                                 |           |
|                 |       | 1     |      |      |       |  |  |             |                | 1         |                |                |                |           | 202  | 58500     | 1            | EACH | CATCH BASIN ABANDONED                               |           |
|                 |       | 165   |      |      |       |  |  |             |                | 165       |                |                |                |           | 202  | 70000     | 165          | FT   | SPECIAL - FILL AND PLUG EXISTING CONDUIT            | 63        |
|                 |       |       |      |      |       |  |  |             |                |           |                |                |                |           |      |           |              |      |                                                     |           |
|                 |       | 288   |      |      |       |  |  |             |                | 288       |                |                |                |           | 203  | 10000     | 288          | CY   | EXCAVATION                                          |           |
|                 |       | 175   |      |      |       |  |  |             |                | 175       |                |                |                |           | 203  | 20000     | 175          | CY   | EMBANKMENT                                          |           |
|                 |       |       |      |      |       |  |  |             |                |           |                |                |                |           |      |           |              |      |                                                     |           |
|                 |       | 172   |      |      |       |  |  |             |                | 172       |                |                |                |           | 204  | 10000     | 172          | SY   | SUBGRADE COMPACTION                                 |           |
| 1.08            | 11.78 |       | 2.56 | 1.22 |       |  |  |             | 3.64           | 11.78     | 1.22           |                |                |           | 209  | 72051     | 16.64        | MILE | PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN | 2         |
|                 |       |       |      |      |       |  |  |             |                |           |                |                |                |           |      |           |              |      |                                                     |           |
|                 | 350.0 |       |      |      |       |  |  |             |                | 350.0     |                |                |                |           | 606  | 15050     | 350.0        | FT   | GUARDRAIL, TYPE MGS                                 |           |
|                 | 600.0 |       |      |      |       |  |  |             |                | 600.0     |                |                |                |           | 606  | 15100     | 600.0        | FT   | GUARDRAIL, TYPE MGS WITH LONG POSTS                 |           |
|                 | 4     |       |      |      |       |  |  |             |                | 4         |                |                |                |           | 606  | 26150     | 4            | EACH | ANCHOR ASSEMBLY, MGS TYPE E                         |           |
|                 |       | 400   |      |      | 348   |  |  |             |                | 400       |                |                | 348            |           | 608  | 10000     | 748          | SF   | 4" CONCRETE WALK                                    |           |
|                 |       | 539   |      |      |       |  |  |             |                | 539       |                |                |                |           | 608  | 13000     | 539          | SF   | 6" CONCRETE WALK                                    |           |
|                 |       |       |      |      | 2     |  |  |             |                |           |                |                | 2              |           | 690  | 98000     | 2            | EACH | SPECIAL - CURB RAMP, TYPE A1                        | 8,9,10    |
|                 |       |       |      |      | 1     |  |  |             |                |           |                |                | 1              |           | 690  | 98000     | 1            | EACH | SPECIAL - CURB RAMP, TYPE A2                        | 8,9,10    |
|                 |       |       |      |      | 8     |  |  |             |                |           |                |                | 8              |           | 690  | 98200     | 8            | SF   | SPECIAL - DETECTABLE WARNING                        | 8,9,10    |
|                 |       |       |      |      |       |  |  |             |                |           |                |                |                |           |      |           |              |      |                                                     |           |
|                 |       |       |      |      |       |  |  |             |                |           |                |                |                |           |      |           |              |      |                                                     |           |
|                 |       |       |      |      |       |  |  |             |                |           |                |                |                |           |      |           |              |      | EROSION CONTROL                                     |           |
|                 |       | 6     |      |      |       |  |  |             |                | 6         |                |                |                |           | 601  | 32100     | 6            | CY   | ROCK CHANNEL PROTECTION, TYPE B WITH FILTER         |           |
|                 |       |       |      |      |       |  |  |             |                |           |                |                |                |           |      |           |              |      |                                                     |           |
|                 |       | 171   |      |      |       |  |  |             |                | 171       |                |                |                |           | 653  | 10000     | 171          | CY   | TOPSOIL FURNISHED AND PLACED                        |           |
|                 |       |       |      |      |       |  |  |             |                |           |                |                |                |           |      |           |              |      |                                                     |           |
|                 |       | 2,994 |      |      |       |  |  |             |                | 2,994     |                |                |                |           | 659  | 00500     | 2,994        | SY   | SEEDING AND MULCHING, CLASS 1                       |           |
|                 |       | 150   |      |      |       |  |  |             |                | 150       |                |                |                |           | 659  | 14000     | 150          | SY   | REPAIR SEEDING AND MULCHING                         |           |
|                 |       | 150   |      |      |       |  |  |             |                | 150       |                |                |                |           | 659  | 15000     | 150          | SY   | INTER-SEEDING                                       |           |
|                 |       | 0.42  |      |      |       |  |  |             |                | 0.42      |                |                |                |           | 659  | 20000     | 0.42         | TON  | COMMERCIAL FERTILIZER                               |           |
|                 |       | 0.62  |      |      |       |  |  |             |                | 0.62      |                |                |                |           | 659  | 31000     | 0.62         | ACRE | LIME                                                |           |
|                 |       | 17    |      |      |       |  |  |             |                | 17        |                |                |                |           | 659  | 35000     | 17           | MGAL | WATER                                               |           |



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| LOCATION TOTALS |         |       |        |       |        |  |             | FUNDING SPLITS |           |                |                |                |           | ITEM | ITEM EXT. | GRAND TOTALS | UNIT | DESCRIPTION                                                                   | SEE SHEET |
|-----------------|---------|-------|--------|-------|--------|--|-------------|----------------|-----------|----------------|----------------|----------------|-----------|------|-----------|--------------|------|-------------------------------------------------------------------------------|-----------|
| 1A              | 1B      | 1B GJ | 1C     | 1D    | 1E     |  | D05 COMPLEX | 01/S<2/PV      | 02/STR/PV | 03/NHS/PV/HEAT | 04/NHS/PV/NEWA | 05/NHS/OT/NEWA | 06/STR/PV |      |           |              |      |                                                                               |           |
|                 |         | 1.35  |        |       |        |  |             |                | 1.35      |                |                |                |           | 602  | 20000     | 1.35         | CY   | DRAINAGE                                                                      |           |
|                 |         | 45    |        |       |        |  |             |                | 45        |                |                |                |           | 611  | 02000     | 45           | FT   | CONCRETE MASONRY                                                              |           |
|                 |         | 5     |        |       |        |  |             |                | 5         |                |                |                |           | 611  | 04400     | 5            | FT   | 8" CONDUIT, TYPE C                                                            |           |
|                 |         | 2,475 |        |       |        |  |             |                | 2,475     |                |                |                |           | 611  | 05900     | 2,475        | FT   | 12" CONDUIT, TYPE B                                                           |           |
|                 |         | 11    |        |       |        |  |             |                | 11        |                |                |                |           | 611  | 98180     | 11           | FT   | 15" CONDUIT, TYPE B                                                           |           |
|                 |         | 2     |        |       |        |  |             |                | 2         |                |                |                |           | 611  | 98370     | 2            | EACH | CATCH BASN, NO. 3A                                                            |           |
|                 |         | 7     |        |       |        |  |             |                | 7         |                |                |                |           | 611  | 98470     | 7            | EACH | CATCH BASN, NO. 6                                                             |           |
|                 |         |       |        |       | 3      |  | 24          |                |           |                | 3              |                | 24        | 611  | 98630     | 27           | EACH | CATCH BASN, NO. 2-2B                                                          |           |
|                 |         | 1     |        |       |        |  |             |                | 1         |                |                |                |           | 611  | 99574     | 1            | EACH | CATCH BASIN ADJUSTED TO GRADE                                                 |           |
|                 |         |       | 1      |       | 12     |  | 4           |                |           | 1              | 12             |                | 4         | 611  | 99654     | 17           | EACH | MANHOLE, NO. 3                                                                |           |
|                 |         | 1     |        |       |        |  |             |                | 1         |                |                |                |           | 611  | 99710     | 1            | EACH | MANHOLE ADJUSTED TO GRADE                                                     |           |
|                 |         |       |        |       | 5      |  |             |                |           |                | 5              |                |           | 638  | 10800     | 5            | EACH | PRECAST REINFORCED CONCRETE OUTLET                                            |           |
|                 |         |       |        |       |        |  |             |                |           |                |                |                |           |      |           |              |      | VALVE BOX ADJUSTED TO GRADE                                                   |           |
|                 |         |       |        |       |        |  |             |                |           |                |                |                |           |      |           |              |      |                                                                               |           |
| 100             | 700     |       | 120    | 60    | 220    |  |             | 220            | 700       | 60             | 220            |                |           | 253  | 02000     | 1,200        | CY   | PAVEMENT                                                                      |           |
|                 |         |       |        |       |        |  |             |                |           |                |                |                |           |      |           |              |      | PAVEMENT REPAIR                                                               |           |
| 10,631          | 111,667 |       | 23,750 | 7,557 | 12,686 |  | 20,847      | 34,381         | 111,667   | 7,557          | 12,686         |                | 20,847    | 254  | 01000     | 187,138      | SY   | PAVEMENT PLANING, ASPHALT CONCRETE , 1.50"                                    |           |
|                 | 10,584  |       |        | 3,204 | 1,232  |  |             |                | 10,584    | 3,204          | 1,232          |                |           | 254  | 01000     | 15,020       | SY   | PAVEMENT PLANING, ASPHALT CONCRETE , 3.25"                                    |           |
|                 |         | 19    |        |       |        |  |             |                | 19        |                |                |                |           | 301  | 46000     | 19           | CY   | ASPHALT CONCRETE BASE, PG64-22                                                |           |
|                 |         | 24    |        |       |        |  |             |                | 24        |                |                |                |           | 301  | 48000     | 24           | CY   | ASPHALT CONCRETE BASE, PG64-22 (DRIVEWAYS)                                    |           |
| 1               | 4       | 30    | 1      | 1     |        |  |             | 2              | 34        | 1              |                |                |           | 304  | 20000     | 37           | CY   | AGGREGATE BASE                                                                |           |
| 880             | 10,053  | 171   | 1,782  | 994   | 1,192  |  | 1,564       | 2,662          | 10,209    | 994            | 1,192          |                | 1,564     | 407  | 20000     | 16,651       | GAL  | NON-TRACKING TACK COAT                                                        |           |
| 507             | 5,482   |       | 1,202  | 573   |        |  |             | 1,709          | 5,482     | 573            |                |                |           | 408  | 10001     | 7,764        | GAL  | PRIME COAT, AS PER PLAN                                                       | 2         |
| 46              | 173     | 53    |        | 12    | 48     |  |             | 46             | 226       | 12             | 48             |                |           | 441  | 50000     | 332          | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22                       |           |
| 467             | 5,258   |       | 1,026  | 465   | 580    |  | 869         | 1,493          | 5,250     | 465            | 580            |                | 869       | 441  | 50100     | 8,673        | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M                      |           |
|                 | 752     | 62    |        | 157   | 60     |  |             |                | 814       | 157            | 60             |                |           | 441  | 50300     | 1,031        | CY   | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)                           |           |
|                 |         | 8     |        |       |        |  |             |                | 8         |                |                |                |           | 441  | 50400     | 8            | CY   | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), (DRMEWAYS)                    |           |
|                 | 86      |       |        |       | 56     |  |             |                | 86        |                | 56             |                |           | 516  | 31011     | 142          | FT   | 2" DEEP JOINT SEALER, AS PER PLAN                                             | 2         |
|                 |         | 1,376 |        |       | 37     |  | 100         |                | 1,376     |                |                | 37             | 100       | 609  | 26000     | 1,513        | FT   | CURB, TYPE 6                                                                  |           |
|                 |         | 118   |        |       |        |  |             |                | 118       |                |                |                |           | 613  | 41300     | 118          | CY   | LOW STRENGTH MORTAR BACKFILL (TYPE 2)                                         |           |
|                 |         | 10    |        |       |        |  |             |                | 10        |                |                |                |           | 613  | 41301     | 10           | CY   | LOW STRENGTH MORTAR BACKFILL (TYPE 2), AS PER PLAN                            | 4         |
| 71              | 762     |       | 167    | 80    |        |  |             | 238            | 762       | 80             |                |                |           | 617  | 10101     | 1,080        | CY   | COMPACTED AGGREGATE, AS PER PLAN                                              | 2         |
| 1,268           | 13,705  |       | 3,004  | 1,432 |        |  |             | 4,272          | 13,705    | 1,432          |                |                |           | 617  | 20000     | 19,409       | SY   | SHOULDER PREPARATION                                                          |           |
| 1.08            | 11.88   |       | 2.56   |       |        |  |             | 3.64           | 11.88     |                |                |                |           | 618  | 41000     | 15.52        | MILE | EDGE LINE, RUMBLE STRIPE (ASPHALT CONCRETE)                                   |           |
|                 | 500     |       |        |       |        |  |             |                | 500       |                |                |                |           | 690  | 12050     | 500          | SY   | SPECIAL - REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDNAL JOINTS AND CRACKS | 5         |

GENERAL SUMMARY

CALCULATED  
LME  
CHECKED  
JSL

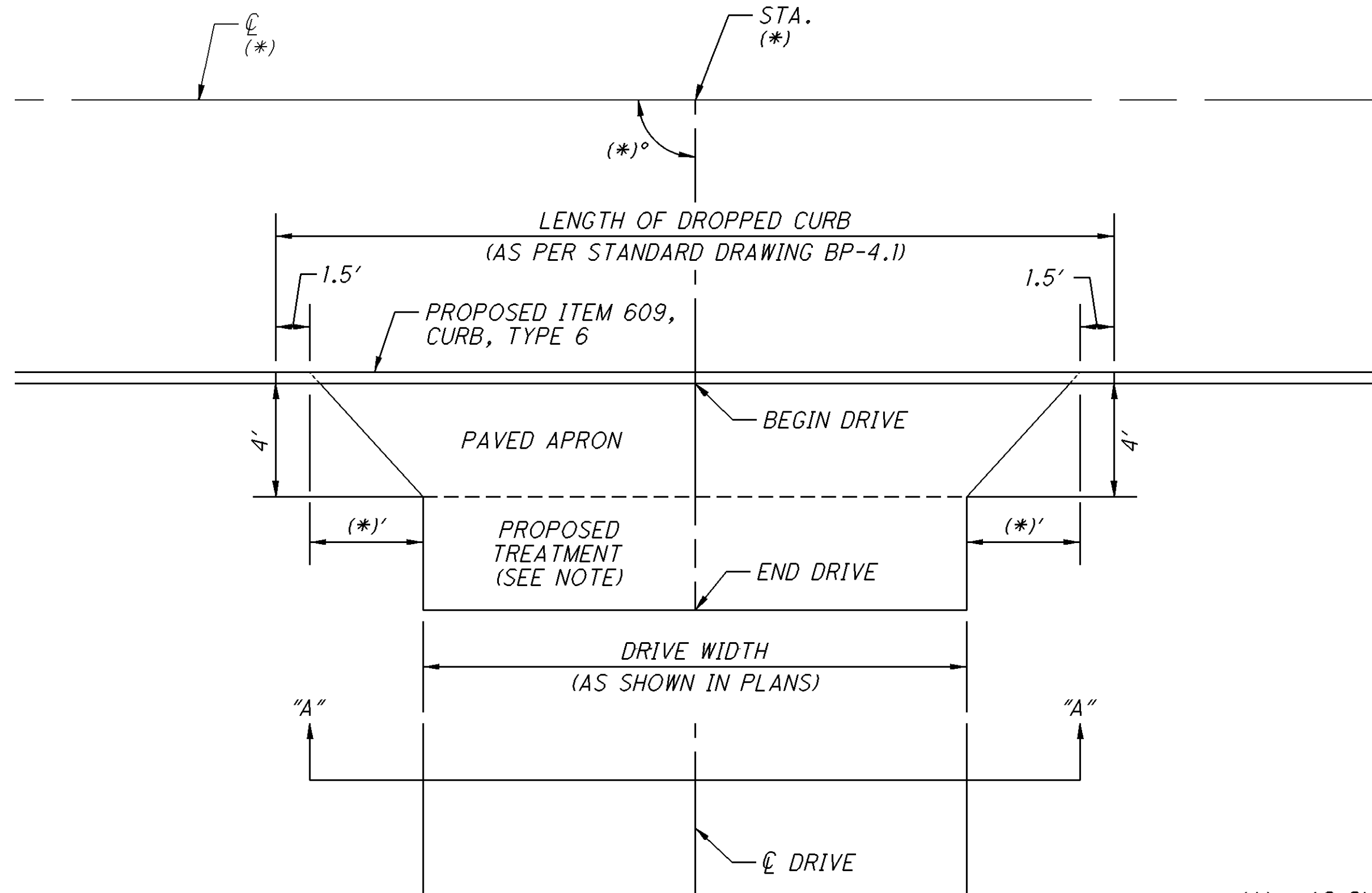
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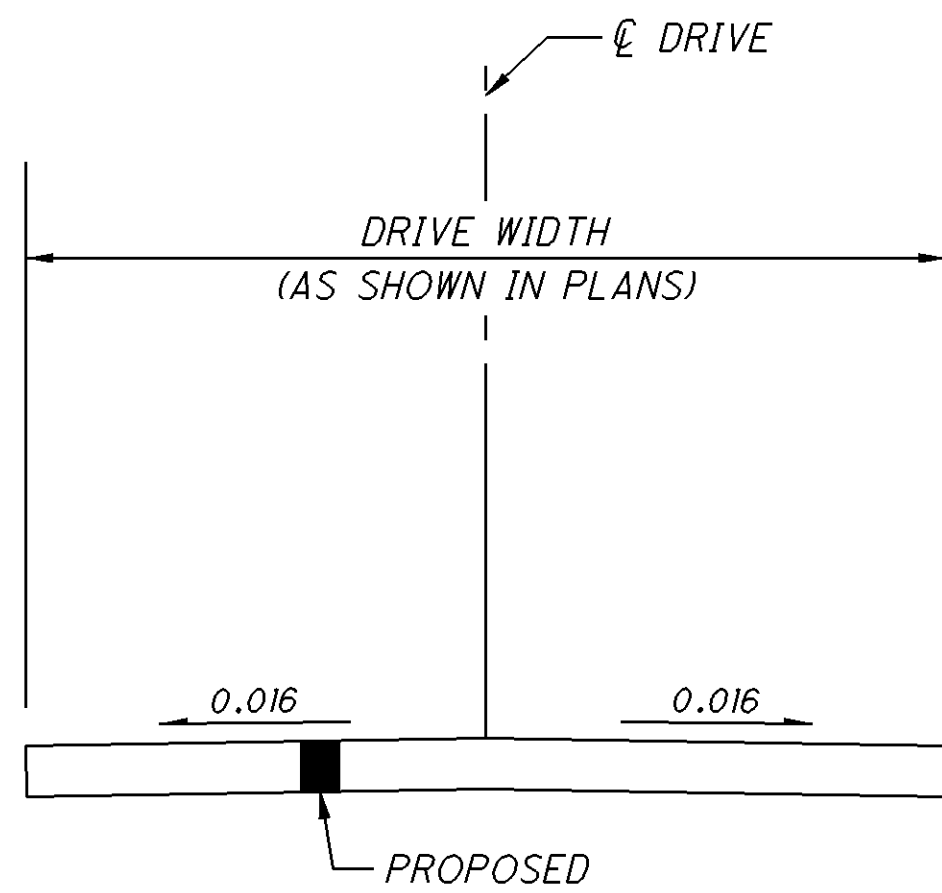


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(\*) - AS SHOWN IN PLANS

NOTE:  
PROPOSED DRIVE SURFACE BEYOND PAVED APRON  
SHALL MATCH EXISTING DRIVE SURFACE (i.e. REPLACE  
EXISTING AGGREGATE WITH PROPOSED AGGREGATE, etc.).



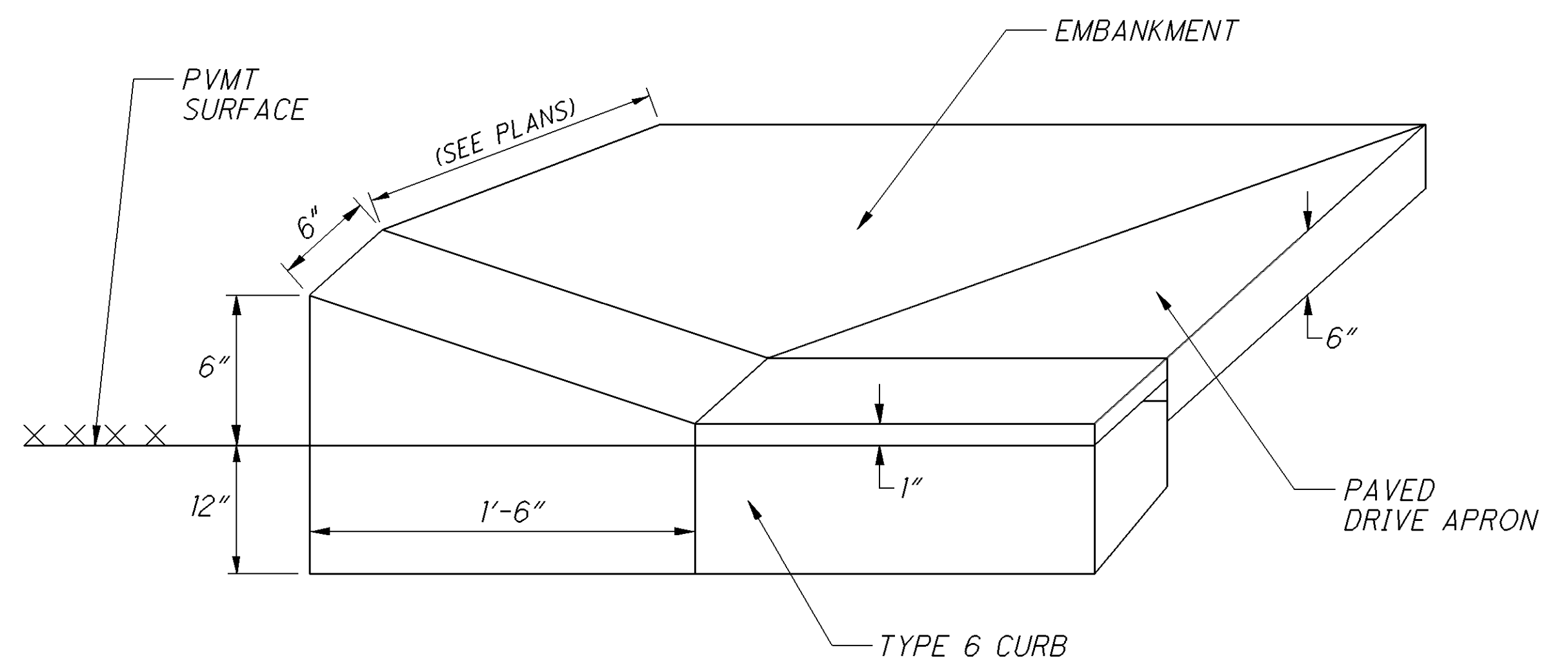
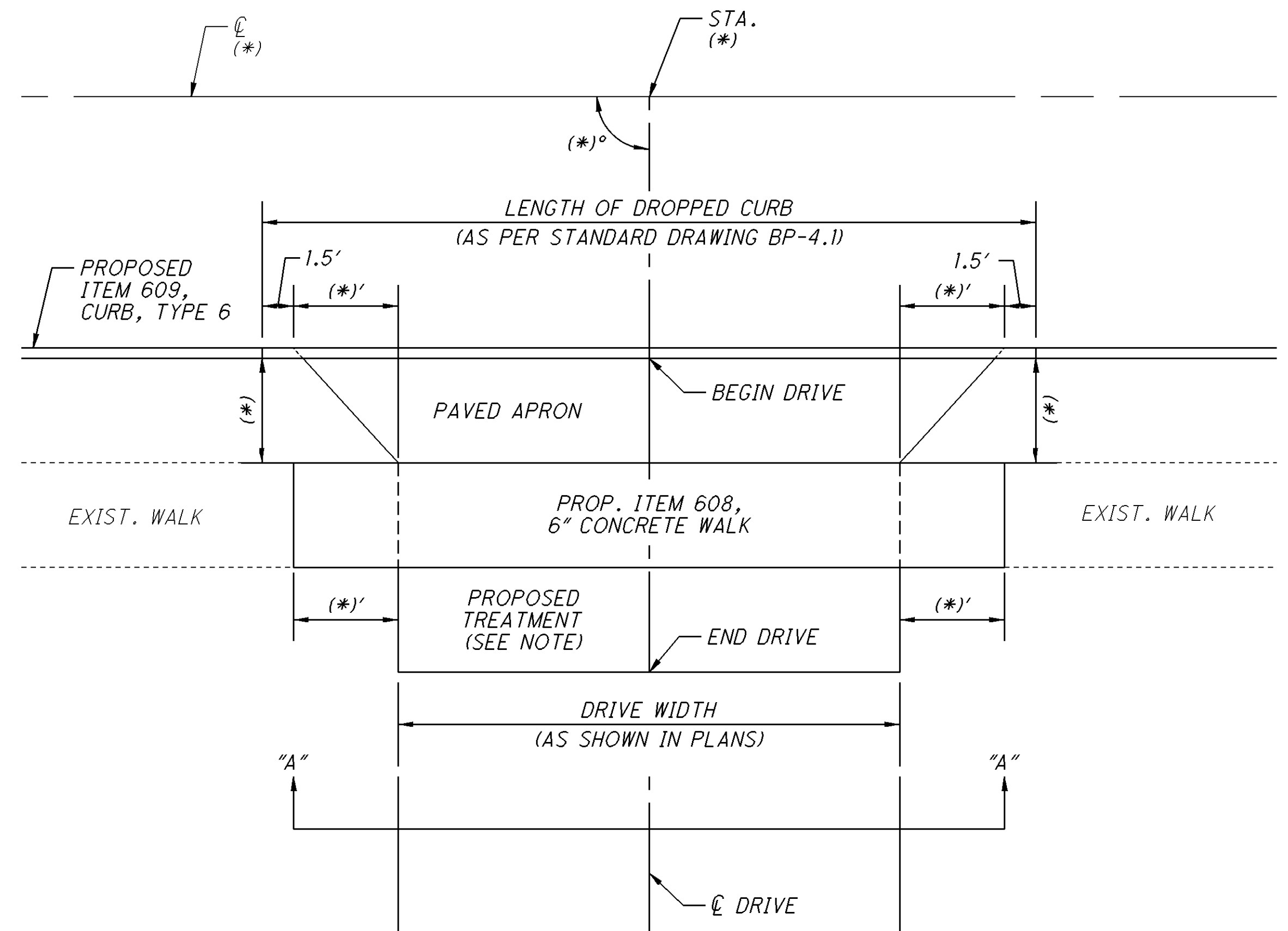
SECTION A-A

RESIDENTIAL DRIVE

- 1 1/4" OF ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448) PG64-22 (DRIVEWAYS)
- ITEM 407 NON-TRACKING TACK COAT, SURFACE COURSE @ (0.040 GAL./SQ. YD.)
- 4 1/4" OF ITEM 301, ASPHALT CONCRETE BASE, PG64-22 (DRIVEWAYS)

AND/OR

- 8" ITEM 304, AGGREGATE BASE



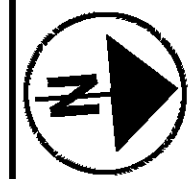
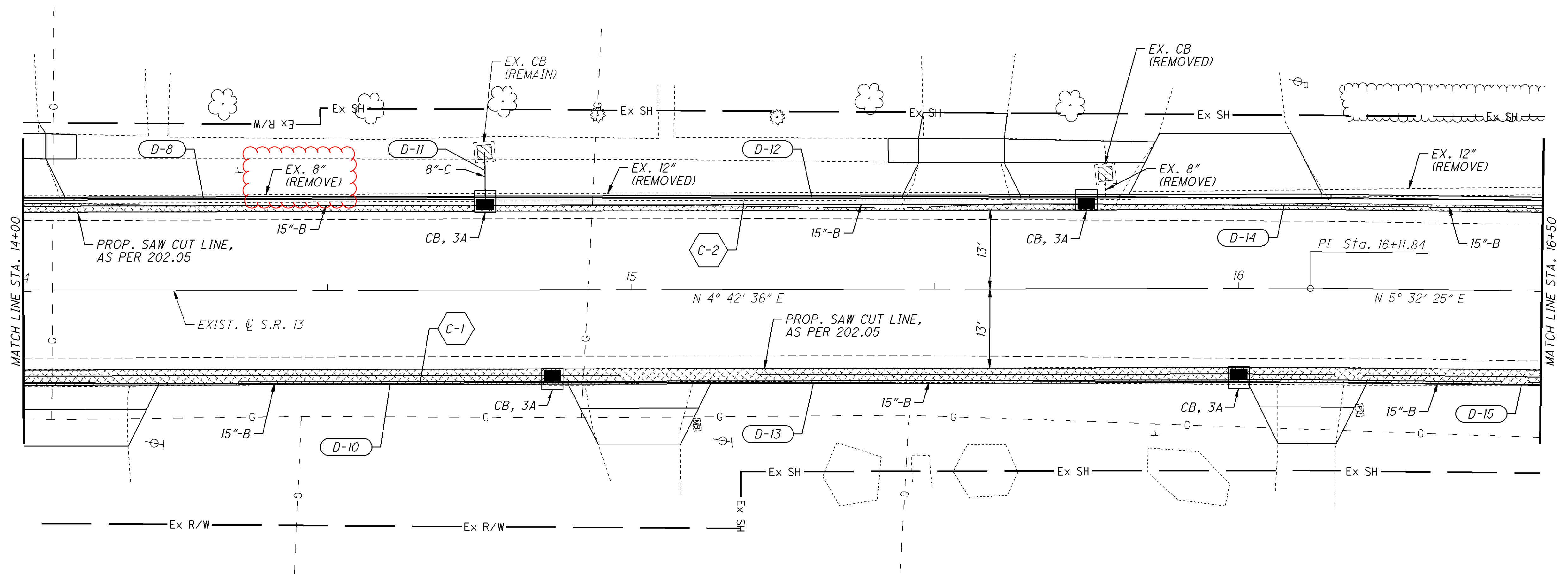
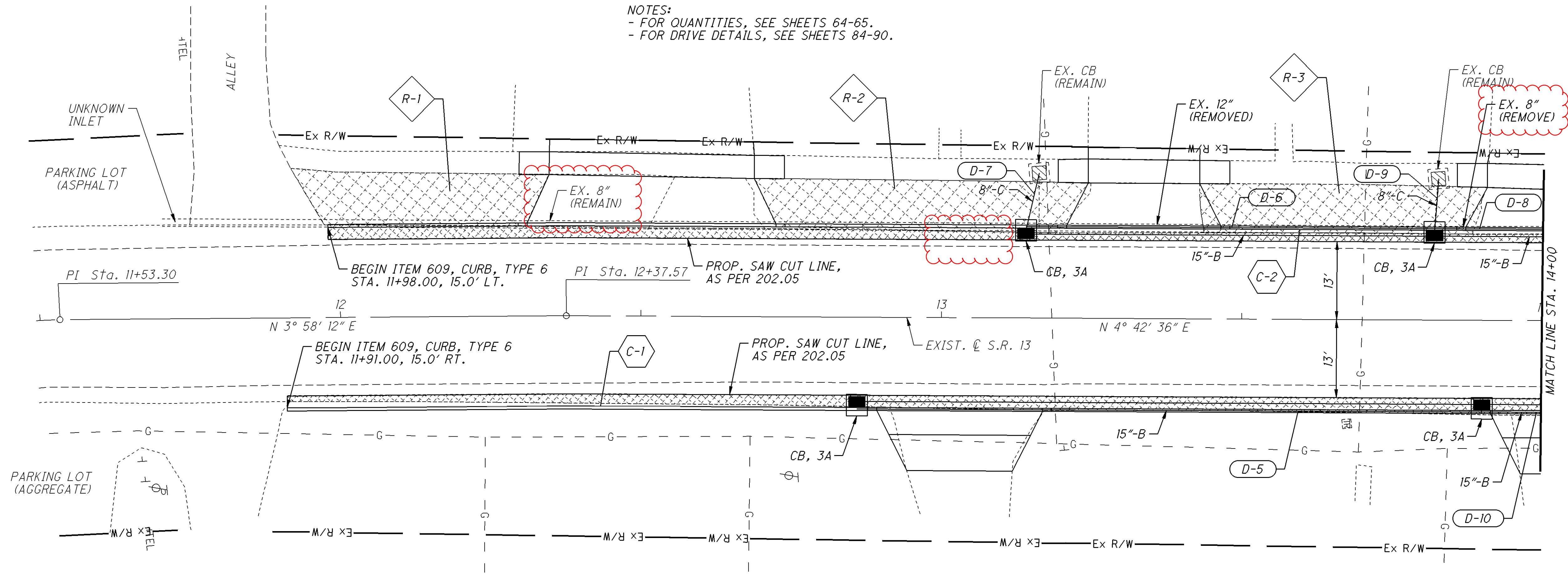
DEPRESSED CURB AT DRIVE



| Reference No.                               | Sheet No. | Location                           | Side  | 202                                | 203                             | 301                                                         | 609                | 613                                                           |
|---------------------------------------------|-----------|------------------------------------|-------|------------------------------------|---------------------------------|-------------------------------------------------------------|--------------------|---------------------------------------------------------------|
|                                             |           |                                    | Lt/Rt | PAVEMENT REMOVED,<br>ASPHALT<br>SY | EMBANKMENT<br>(10" Depth)<br>CY | ASPHALT CONCRETE<br>BASE, PG64-22<br>(10" Avg. Depth)<br>CY | CURB, TYPE 6<br>FT | LOW STRENGTH MORTAR<br>BACKFILL (TYPE 2)<br>(12" Depth)<br>CY |
|                                             |           | U.S. 40                            |       |                                    |                                 |                                                             |                    |                                                               |
| P-1                                         | 66        | S.R. 13/U.S. 40 Southwest Quadrant |       | 12.7                               |                                 | 8.6                                                         |                    |                                                               |
| P-2                                         | 66        | S.R. 13/U.S. 40 Northwest Quadrant |       | 16.1                               |                                 | 9.6                                                         |                    |                                                               |
|                                             |           |                                    |       |                                    |                                 |                                                             |                    |                                                               |
|                                             |           |                                    |       |                                    |                                 |                                                             |                    |                                                               |
|                                             |           | S.R. 13                            |       |                                    |                                 |                                                             |                    |                                                               |
| C-1                                         | 70, 72    | Sta. 11+91.0 to Sta. 18+95.0       | Rt.   | 186.7                              |                                 |                                                             | 704                | 62.3                                                          |
| C-2                                         | 70, 72    | Sta. 11+98.0 to Sta. 18+70.0       | Lt.   | 90.9                               |                                 |                                                             | 672                | 30.3                                                          |
|                                             |           |                                    |       |                                    |                                 |                                                             |                    |                                                               |
| R-1                                         | 70        | Sta. 11+91.89 to Sta. 12+55.68     | Lt.   | 37.0                               | 10.3                            |                                                             |                    |                                                               |
| R-2                                         | 70        | Sta. 12+67.28 to Sta. 13+24.84     | Lt.   | 47.5                               | 13.2                            |                                                             |                    |                                                               |
| R-3                                         | 70        | Sta. 13+42.87 to Sta. 13+90.73     | Lt.   | 41.6                               | 11.6                            |                                                             |                    |                                                               |
|                                             |           |                                    |       |                                    |                                 |                                                             |                    |                                                               |
|                                             |           |                                    |       |                                    |                                 |                                                             |                    |                                                               |
| Totals (Carried to Location 1b Sub-Summary) |           |                                    |       | 433                                | 36                              | 19                                                          | 1,376              | 93                                                            |



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PLAN SHEET (S.R. 13)  
STA. 11+50 TO STA. 16+50

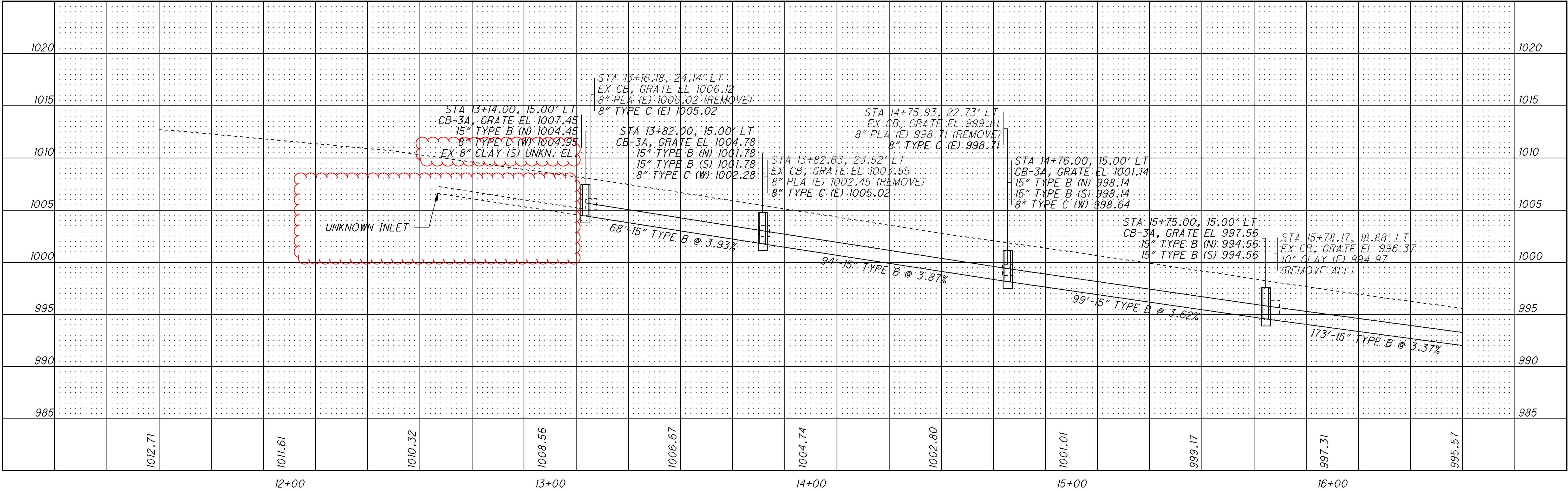
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70  
90

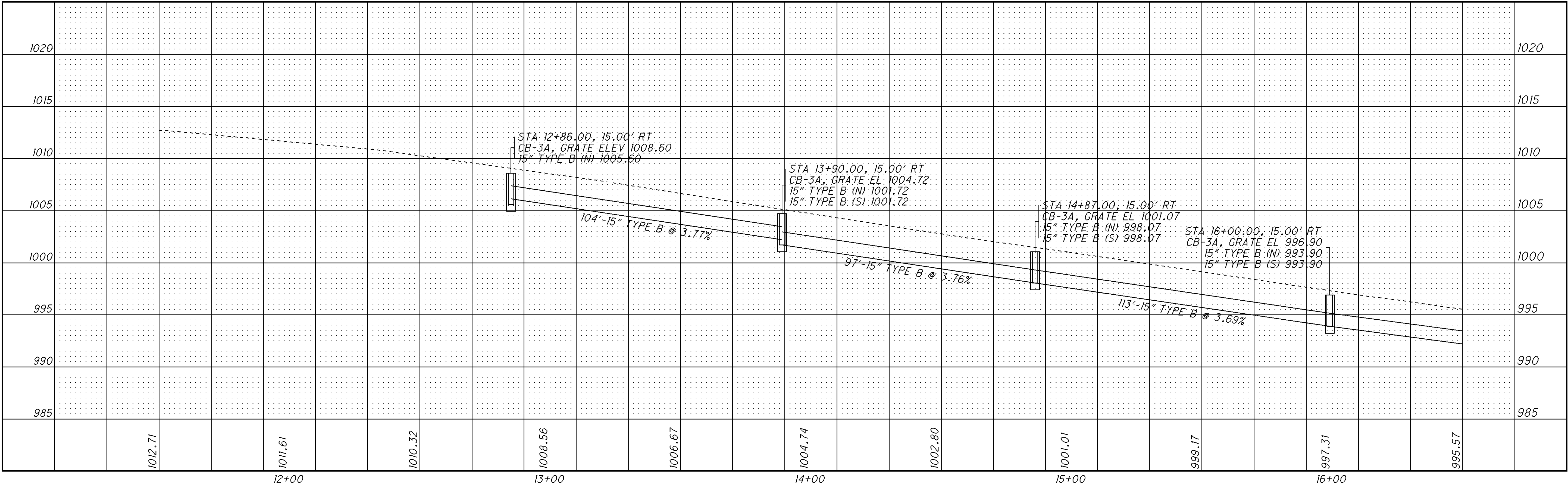


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LEFT SIDE PROFILE

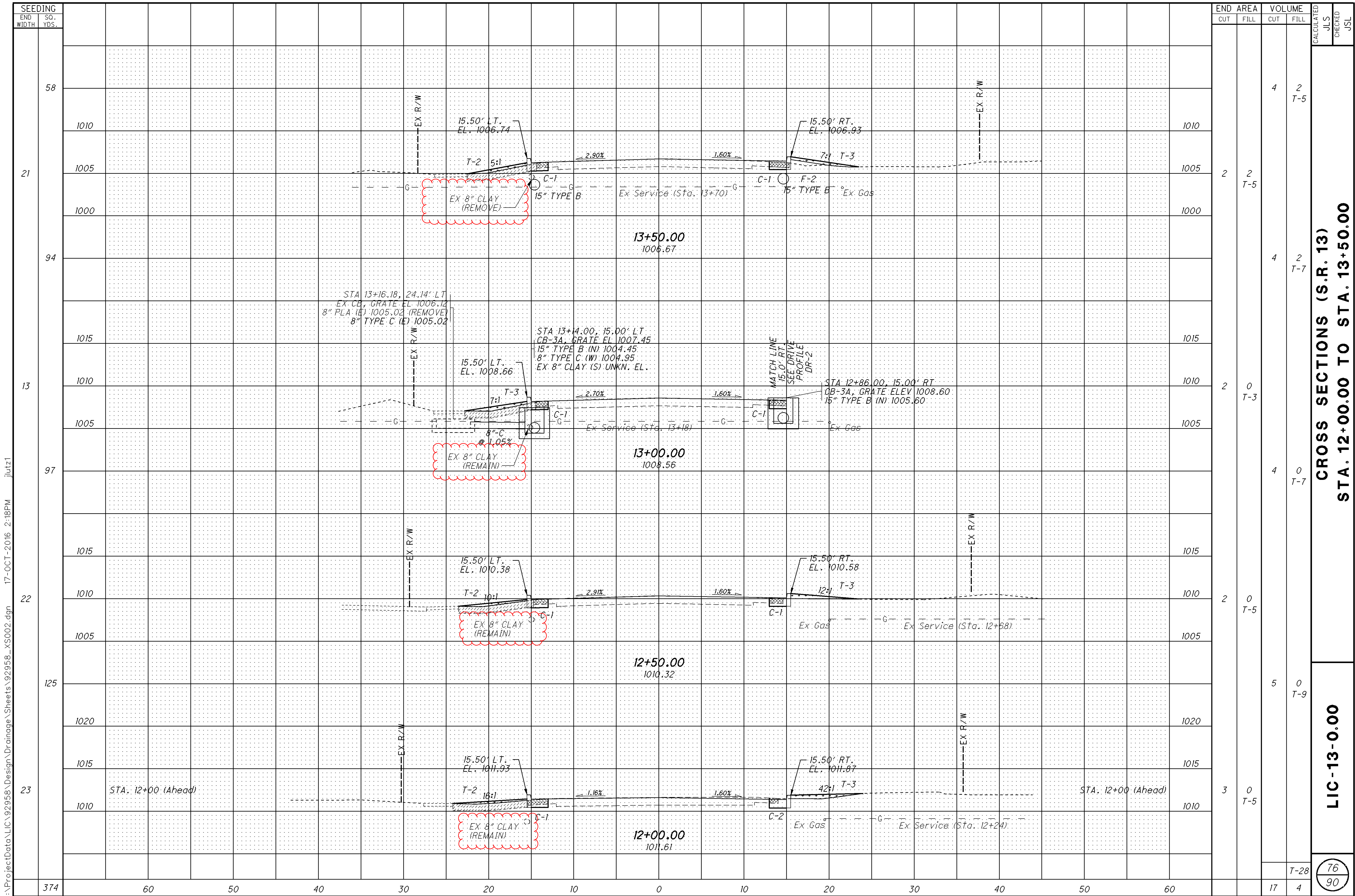


RIGHT SIDE PROFILE





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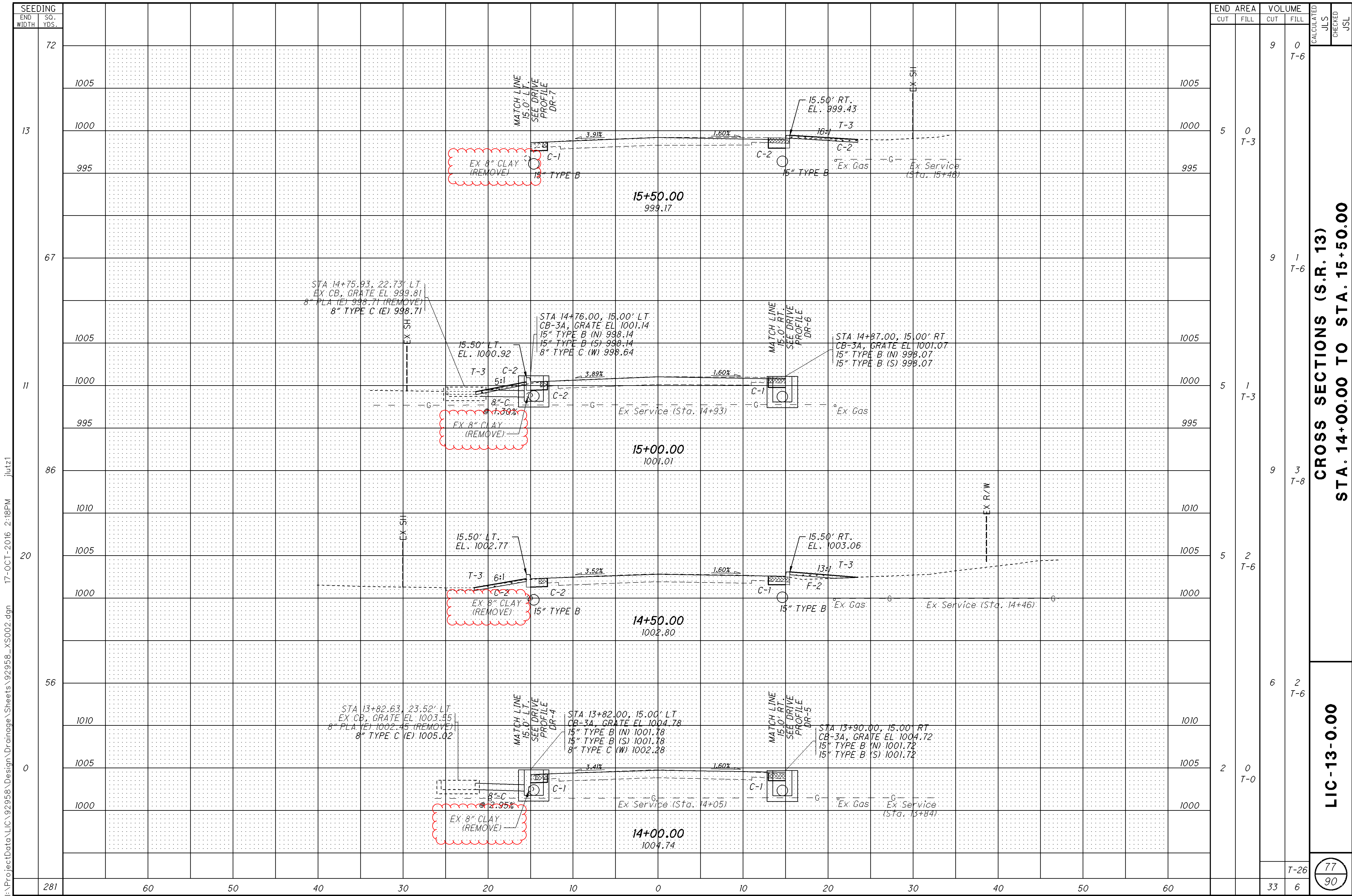
CROSS SECTIONS (S.R. 13)  
STA. 12+00.00 TO STA. 13+50.00

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76  
90



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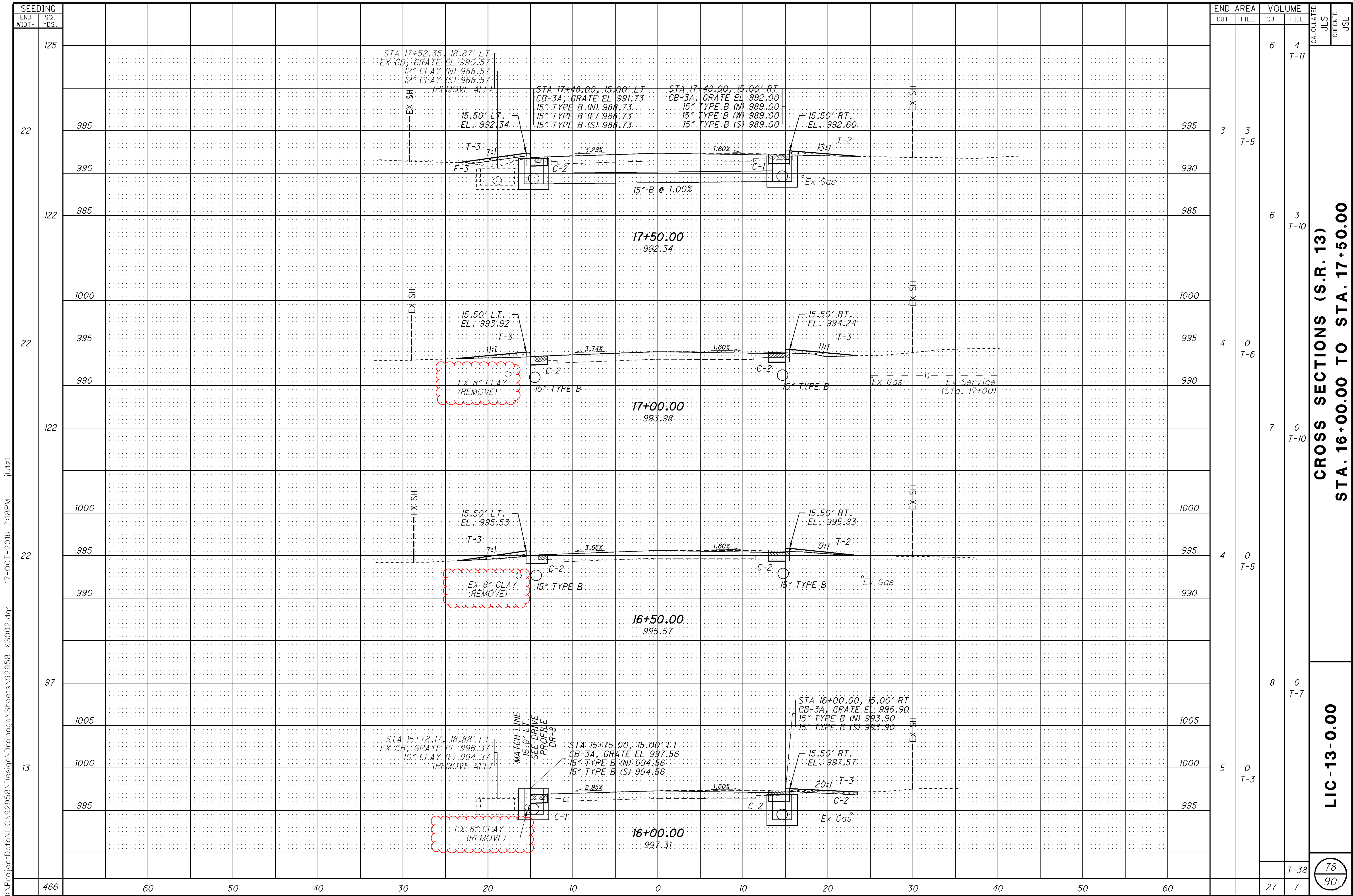


CROSS SECTIONS (S.R. 13)  
STA. 14+00.00 TO STA. 15+50.00

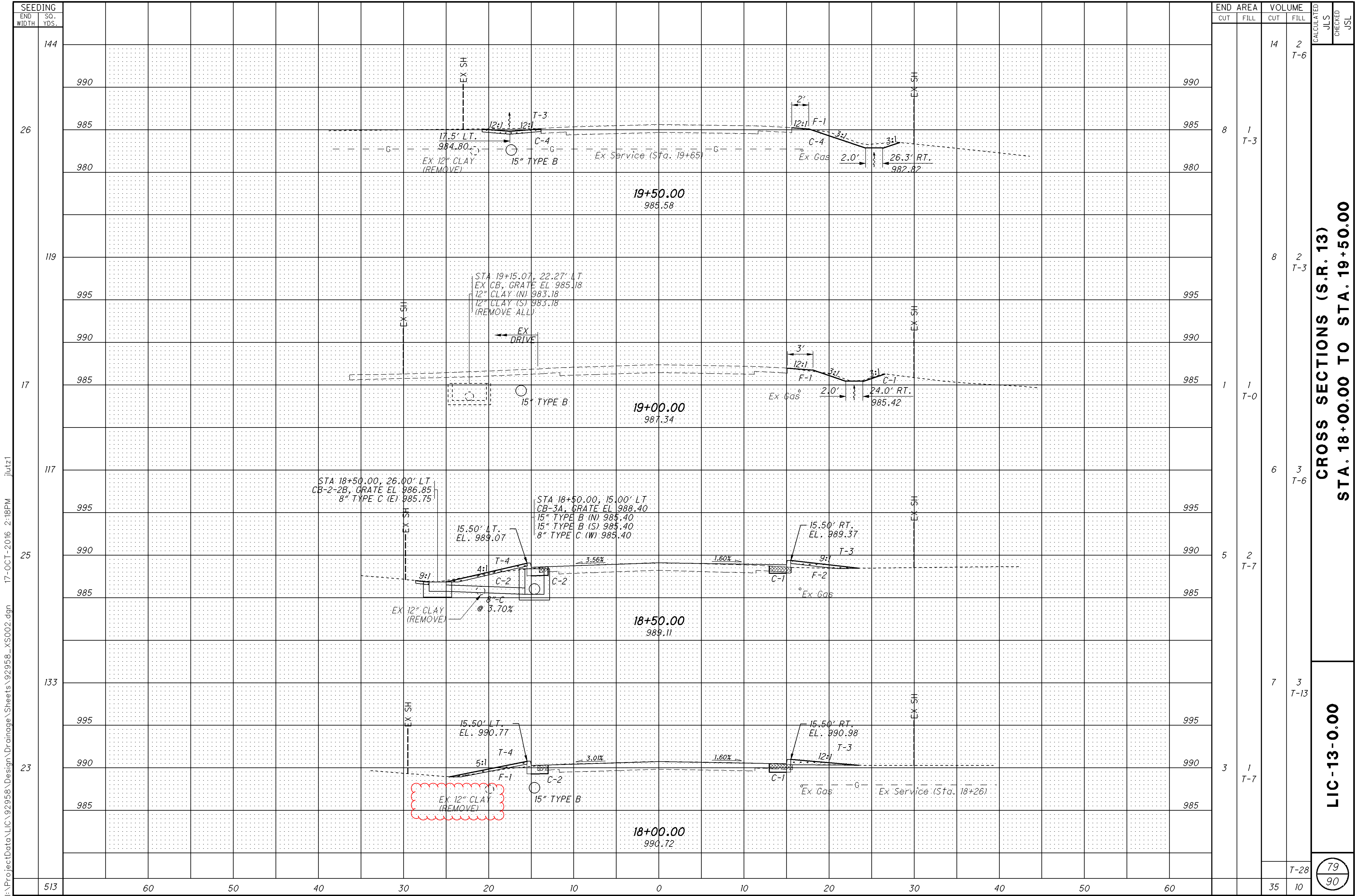
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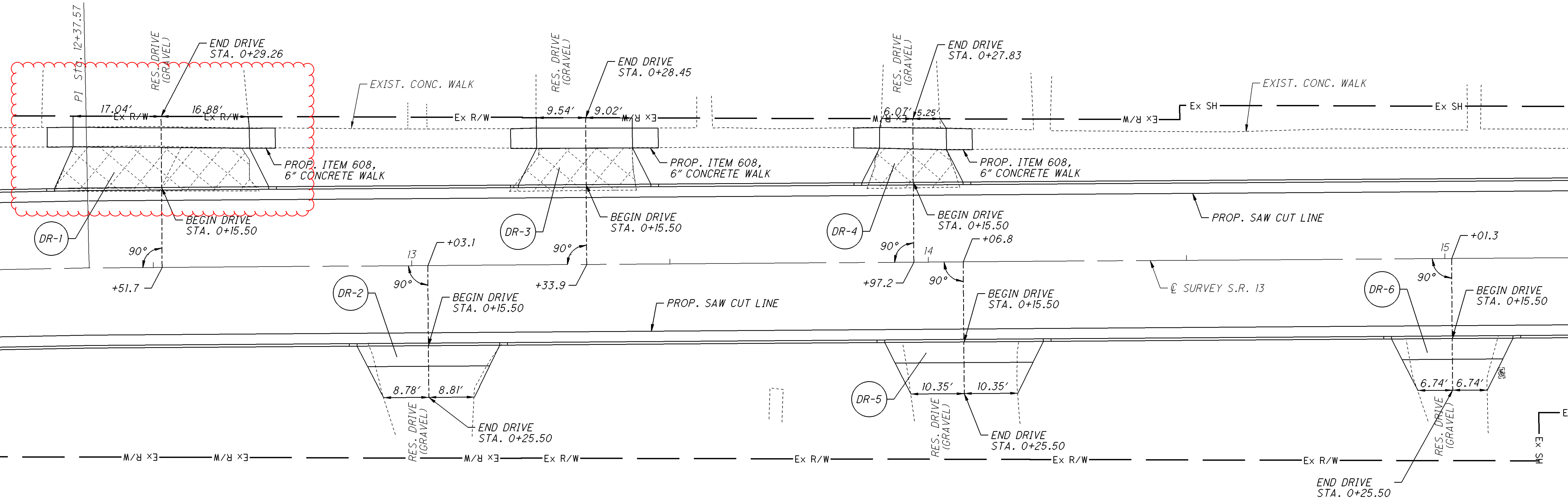






| Reference No.                                | Sheet No. | Location     | Side    | Description | Exist Surface | Apron Area<br>(Calculated By Computer) | Treated Area<br>(Calculated By Computer) | Total Area<br>(Apron Area + Treated Area) | 202                          |              | 203   | 204                    | 301   | 304   | 407                                               | 441                                                               | 608              |
|----------------------------------------------|-----------|--------------|---------|-------------|---------------|----------------------------------------|------------------------------------------|-------------------------------------------|------------------------------|--------------|-------|------------------------|-------|-------|---------------------------------------------------|-------------------------------------------------------------------|------------------|
|                                              |           |              |         |             |               |                                        |                                          |                                           | PAVEMENT REMOVED,<br>ASPHALT | WALK REMOVED | 4.00" | SUBGRADE<br>COMPACTION | 4.75" | 8.00" | NON-TRACKING<br>TACK COAT,<br>@ 0.040 GAL/SQ. YD. | ASPHALT CONCRETE<br>SURFACE COURSE,<br>TYPE 1, (448), (DRIVEWAYS) | 6" CONCRETE WALK |
|                                              |           |              | Lt./Rt. |             |               |                                        |                                          |                                           |                              |              | CY    | SY                     | CY    | CY    | GAL                                               | CY                                                                | SF               |
|                                              |           | S.R. 13      |         |             |               |                                        |                                          |                                           |                              |              |       |                        |       |       |                                                   |                                                                   |                  |
| DR-1                                         | 85        | Sta. 12+51.7 | Lt.     | Residential | Asph./Agg.    | 32.6                                   | 8.3                                      | 40.9                                      | 35.5                         | 168.6        | 4.0   | 32.6                   | 4.4   | 1.1   | 1.4                                               | 1.2                                                               | 168.6            |
| DR-2                                         | 85        | Sta. 13+03.1 | Rt.     | Residential | Aggregate     | 11.4                                   | 13.8                                     | 25.2                                      |                              |              |       | 11.4                   | 1.6   | 1.9   | 0.5                                               | 0.4                                                               |                  |
| DR-3                                         | 85        | Sta. 13+33.9 | Lt.     | Residential | Asph./Agg.    | 17.3                                   | 4.1                                      | 21.4                                      | 18.9                         | 112.2        | 2.1   | 17.3                   | 2.3   | 0.6   | 0.7                                               | 0.7                                                               | 112.2            |
| DR-4                                         | 85        | Sta. 13+97.2 | Lt.     | Residential | Asph./Agg.    | 11.7                                   | 2.5                                      | 14.2                                      | 13.1                         | 93.3         | 1.5   | 11.7                   | 1.6   | 0.4   | 0.5                                               | 0.5                                                               | 93.3             |
| DR-5                                         | 85        | Sta. 14+06.8 | Rt.     | Residential | Aggregate     | 12.8                                   | 15.9                                     | 28.7                                      |                              |              |       | 12.8                   | 1.7   | 2.1   | 0.6                                               | 0.5                                                               |                  |
| DR-6                                         | 85        | Sta. 15+01.3 | Rt.     | Residential | Aggregate     | 9.6                                    | 11.1                                     | 20.7                                      |                              |              |       | 9.6                    | 1.3   | 1.5   | 0.4                                               | 0.4                                                               |                  |
| DR-7                                         | 86        | Sta. 15+54.2 | Lt.     | Residential | Asph./Agg.    | 9.9                                    | 6.7                                      | 16.6                                      | 12.4                         | 138.4        | 1.4   | 9.9                    | 1.4   | 0.9   | 0.4                                               | 0.4                                                               | 164.7            |
| DR-8                                         | 86        | Sta. 15+97.9 | Lt.     | Commercial  | Asphalt       | 29.8                                   | 0.0                                      | 29.8                                      | 36.9                         |              |       | 29.8                   | 4.0   |       | 1.2                                               | 1.1                                                               |                  |
| DR-9                                         | 86        | Sta. 16+11.2 | Rt.     | Residential | Aggregate     | 7.9                                    | 8.5                                      | 16.4                                      |                              |              |       | 7.9                    | 1.1   | 1.2   | 0.4                                               | 0.3                                                               |                  |
| DR-10                                        | 86        | Sta. 17+59.9 | Rt.     | Residential | Aggregate     | 8.7                                    | 11.4                                     | 20.1                                      |                              |              |       | 8.7                    | 1.2   | 1.6   | 0.4                                               | 0.4                                                               |                  |
| DR-11                                        | 86        | Sta. 17+76.3 | Rt.     | Residential | Aggregate     | 7.5                                    | 9.5                                      | 17.0                                      |                              |              |       | 7.5                    | 1.0   | 1.3   | 0.3                                               | 0.3                                                               |                  |
|                                              |           |              |         |             |               |                                        |                                          |                                           |                              |              |       |                        |       |       |                                                   |                                                                   |                  |
| Totals (Carried to Location 1b Sub- Summary) |           |              |         |             |               |                                        |                                          |                                           | 117                          | 513          | 9     | 160                    | 22    | 13    | 7                                                 | 7                                                                 | 539              |

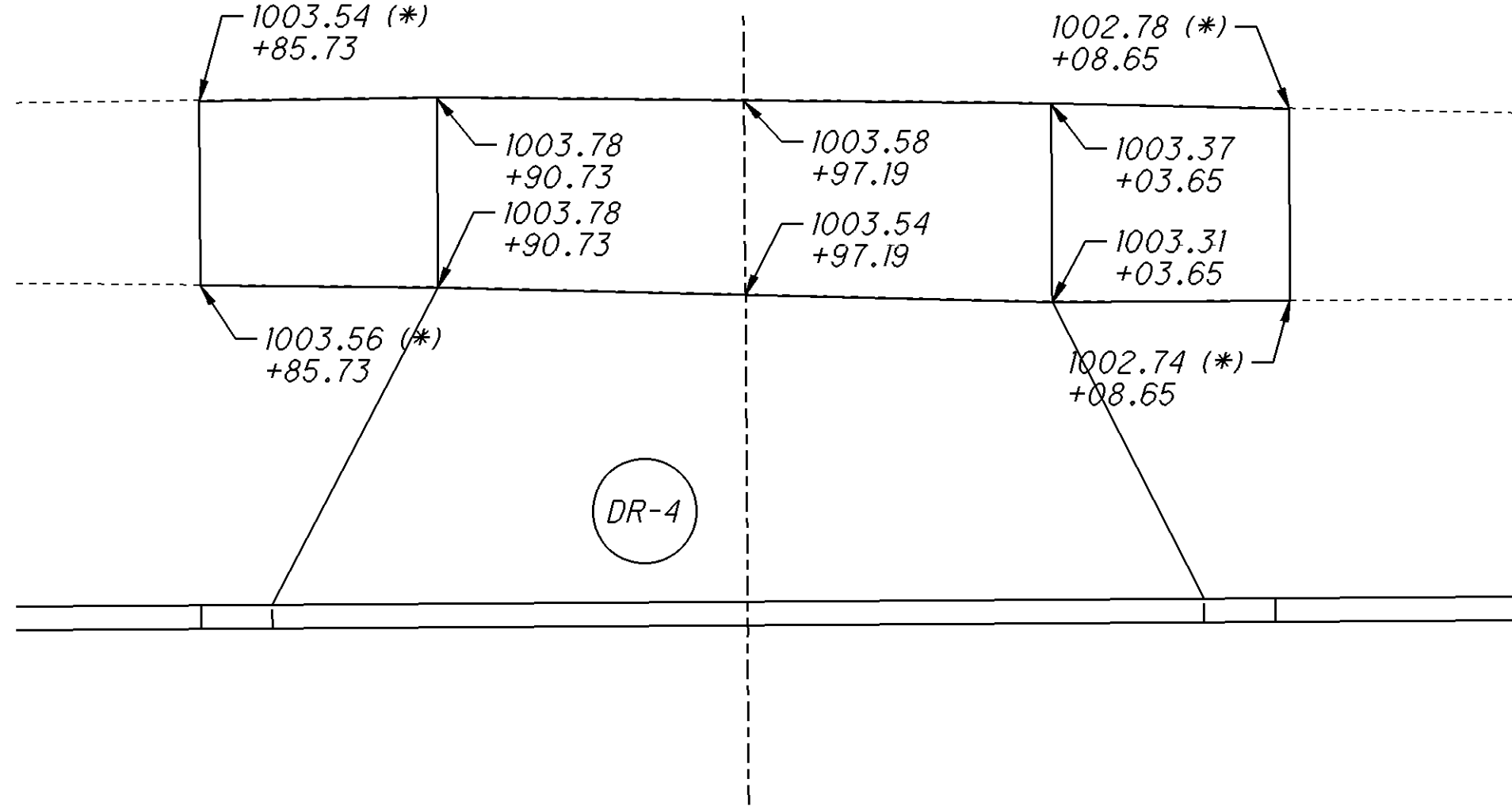
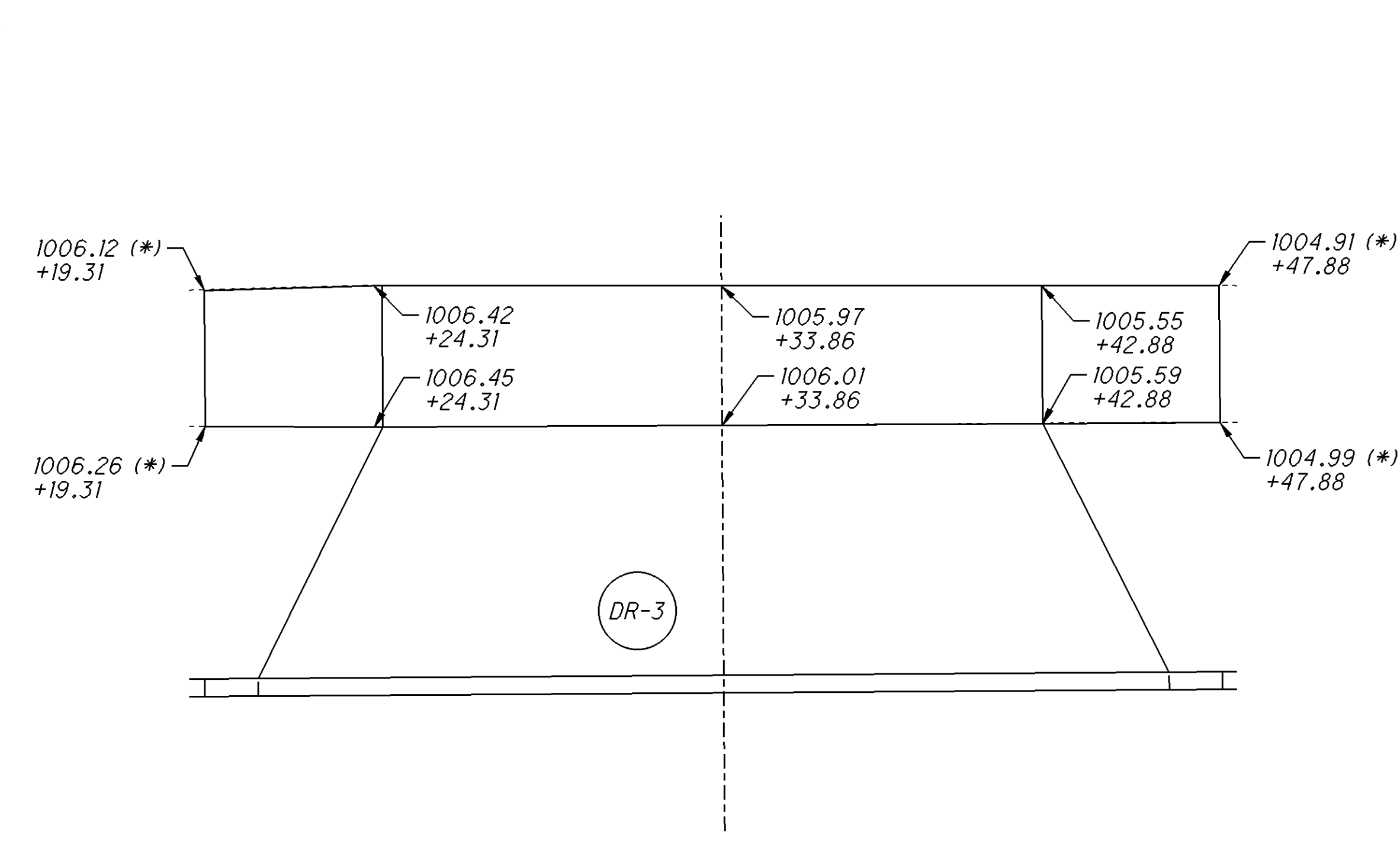
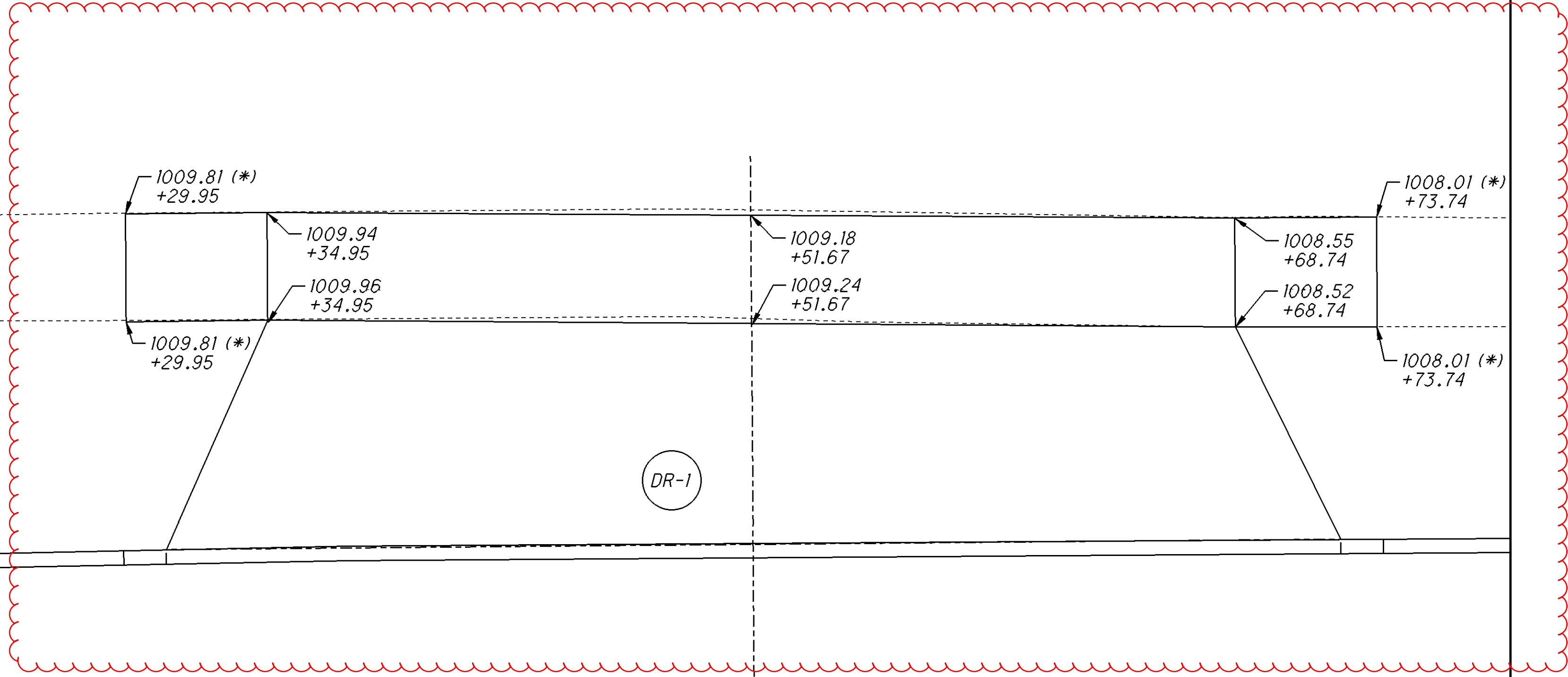




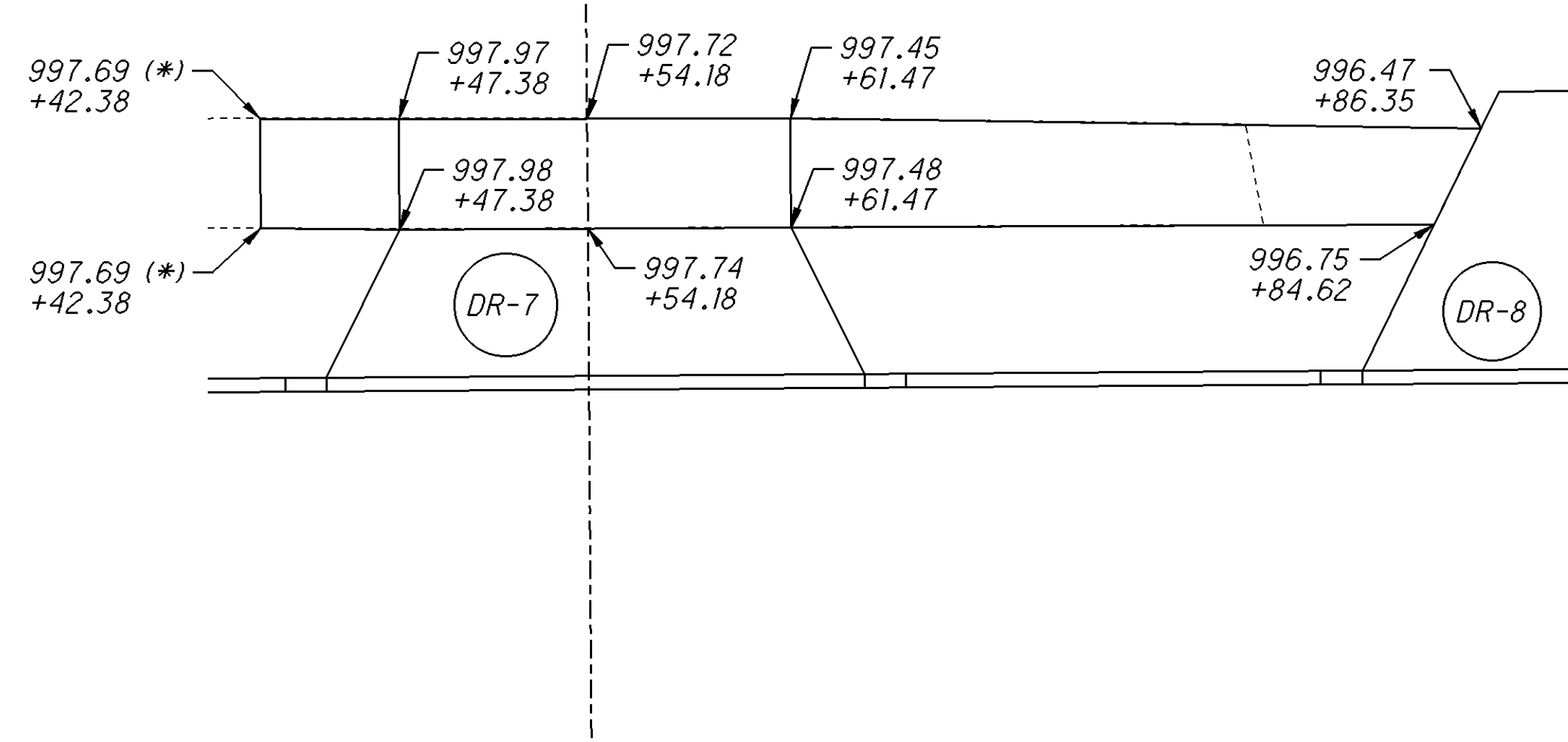
FOR DRIVE QUANTITIES, SEE SHEET 84.  
FOR ITEM 608, 6" CONCRETE WALK DETAILS, SEE SHEET 87.



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(\*) MEET EXISTING WALK ELEVATION.  
FOR ITEM 608, 6" CONCRETE WALK QUANTITIES, SEE SHEET 84.

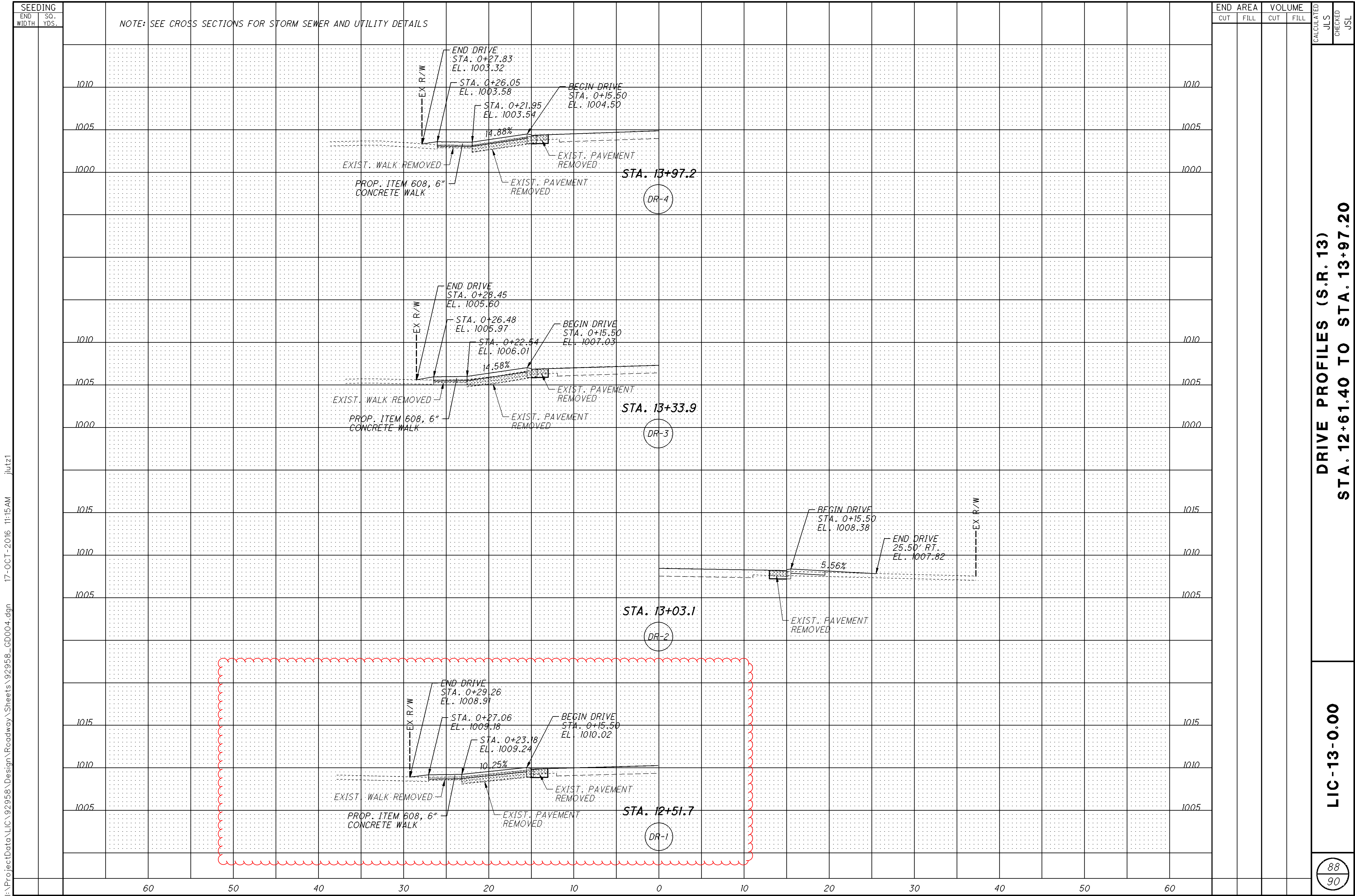


PROPOSED SIDEWALK DETAIL SHEET  
AT PROPOSED DRIVES

LIC-13-0.00

CALCULATED  
JLS  
CHECKED  
JSL



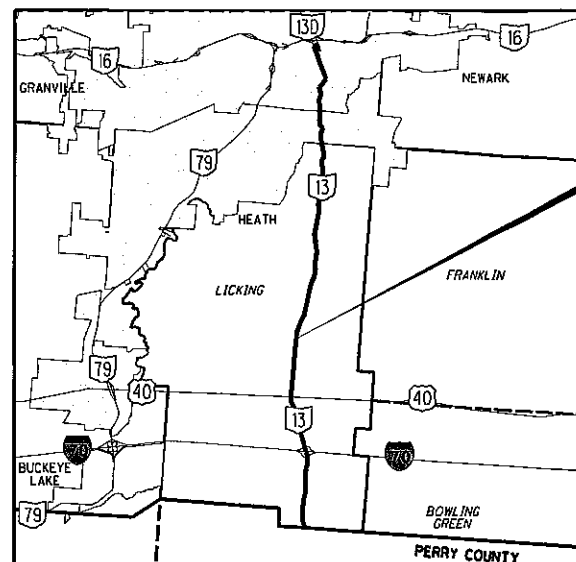


STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY  
LEGEND SHEET

LIC-13-0.00

4TH QTR., T1N, R12W, LOT27, U.S.M.L.  
LICKING TOWNSHIP  
LICKING COUNTY



LOCATION MAP

LATITUDE: 39° 59' 28" LONGITUDE: 82° 24' 24"



NOTE:

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

INDEX OF SHEETS:

PROPERTY MAP, SUMMARY OF ADDITIONAL RIGHT OF WAY & DETAIL SHEET . . . 2

UTILITY OWNERS

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

|                                                                                                           |                                                                                                                         |                                                                                                                      |                                                                                                 |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| TIME WARNER CABLE<br>111 NORTH 11TH STREET<br>NEWARK, OHIO 43055<br>ATTN: BRIAN AMENDE<br>740-322-6703    | CENTURYLINK TELEPHONE<br>441 WEST BROAD STREET<br>PATASKALA, OHIO 43062<br>ATTN: DEE REED<br>740-927-8282               | AMERICAN ELECTRIC POWER<br>850 TECH CENTER DRIVE<br>GAHANNA, OHIO 43230<br>ATTN: PAUL PAXTON<br>614-883-6831         | WINDSTREAM<br>66 NORTH FOURTH STREET<br>NEWARK, OHIO 43055<br>ATTN: DAVE HOLTON<br>740-349-8804 |
| AT&T OHIO<br>160 NORTH SIXTH STREET<br>ZANESVILLE, OHIO 43701<br>ATTN: BARRETT TAMASOVICH<br>740-454-3574 | COLUMBIA GAS OF OHIO<br>2429 NORTH LINDEN AVENUE<br>ZANESVILLE, OHIO 43701<br>ATTN: MICHAEL DIBENEDETTO<br>740-260-0370 | LICKING COUNTY WATER/WASTE WATER<br>4455 WALCUTT ROAD<br>BUCKEYE LAKE, OHIO 43008<br>ATTN: KEVIN EBY<br>740-928-0349 |                                                                                                 |

CONVENTIONAL SYMBOLS

|                             |                            |
|-----------------------------|----------------------------|
| County Line                 | Edge of Shoulder (Ex)      |
| Township Line               | Edge of Shoulder (Pr)      |
| Section Line                | Ditch / Creek (Ex)         |
| Corporation Line            | Ditch / Creek (Pr)         |
| Fence Line (Ex)             | Tree Line (Ex)             |
| Center Line                 | Ownership Hook Symbol      |
| Right of Way (Ex)           | Property Line Symbol       |
| Right of Way (Pr)           | Break Line Symbol          |
| Standard Highway Ease. (Ex) | Tree (Pr)                  |
| Standard Highway Ease. (Pr) | Tree (Ex)                  |
| Slope Ease. (Ex)            | Tree (Remove)              |
| Slope Ease. (Pr)            | Shrub (Ex)                 |
| Temporary Right of Way      | Shrub (Remove)             |
| Channel Ease. (Pr)          | Evergreen (Ex)             |
| Utility Ease. (Ex)          | Evergreen (Remove)         |
| Railroad                    | Stump                      |
| Guardrail (Ex)              | Stump (Remove)             |
| Construction Limits         | Wetland (Pr)               |
| Edge of Pavement (Ex)       | Grass (Pr)                 |
| Edge of Pavement (Pr)       | Aerial Target              |
|                             | Post (Ex)                  |
|                             | Mailbox (Ex)               |
|                             | Mailbox (Pr)               |
|                             | Light (Ex)                 |
|                             | Telephone Marker (Ex)      |
|                             | Fire Hydrant (Ex)          |
|                             | Water Meter (Ex)           |
|                             | Water Valve (Ex)           |
|                             | Utility Valve Unknown (Ex) |
|                             | Telephone Pole (Ex)        |
|                             | Power Pole (Ex)            |
|                             | Light Pole (Ex)            |

STRUCTURE KEY

|  |              |
|--|--------------|
|  | RESIDENTIAL  |
|  | COMMERCIAL   |
|  | OUT-BUILDING |

LEGEND:

SH = STANDARD HIGHWAY EASEMENT  
SL = SLOPE EASEMENT  
T = TEMPORARY EASEMENT  
CH = CHANNEL EASEMENT

PROJECT DESCRIPTION

ASPHALT CONCRETE RESURFACING ON S.R. 13 AND THE ODOT DISTRICT 5 COMPLEX IN LICKING COUNTY WITH DRAINAGE WORK IN THE VILLAGE OF JACKSONTOWN

PROJECT CONTROL

NORTH AMERICAN VERTICAL DATUM (NAVD 88)  
OHIO STATE PLANE GRID COORDINATE SYSTEM,  
SOUTH ZONE, GRID COORDINATES, NAD 1983  
(CONUS), GEOID 12A (OHIO).

PLAN PREPARED BY:

FIRM NAME: ODOT, DISTRICT 5  
PLANS PREPARED BY: CANDY SHOEMAKER  
FIELD REVIEW BY: CHARLES PRICE, JR. & CANDY SHOEMAKER  
OWNERSHIP VERIFIED BY: CHARLES PRICE, JR.  
DATE COMPLETED: 11/21/16

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES  
CALL TWO WORKING DAYS  
BEFORE YOU DIG

CALL  
1-800-362-2764  
(TOLL FREE)  
OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS  
MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS PROTECTIVE  
SERVICE CALL: 1-800-925-0988

I, Charles W. Price, Jr., P. S. have conducted a survey of the existing conditions for the Ohio Department of Transportation in September, 2012. The results of that survey are contained herein.

The horizontal coordinates expressed herein are based on North American Vertical Datum (NAVD 88) Ohio State Plane Grid Coordinate System, South Zone, Grid Coordinates, NAD 83 (Conus), Geoid 12A (Ohio).

As a part of this project I have reestablished the locations of the existing property lines and centerline of existing Right of Way for property takes contained herein.

As a part of this project I have established the proposed property lines, calculated the Gross Take, present roadway occupied (PRO), Net Take and Net Residue; as well as prepared the legal descriptions necessary to acquire the parcels as shown herein.

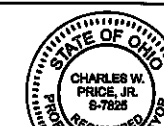
As a part of this work I have set monuments at the proposed property corners, and other points shown herein. The iron pins and caps will be 3/4" x 30" rebar with aluminum cap stamped "Odor R/W District 5". All of my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "A Minimum Standards for Boundary Surveys in the State of Ohio" unless so noted.

The words I and my as used herein are to mean that either myself or someone working under my direct supervision.

Charles W. Price, Jr., Professional Land Surveyor # 7825

Date: 11/21/16

SURVEYORS SEAL



SIGNED:   
DATE: 11/21/16

FEDERAL PROJECT NO. X

RAILROAD INVOLVEMENT NONE

PID NO. 92958

R/W DESIGNER CS  
R/W REVIEWER CP

RIGHT OF WAY  
LEGEND SHEET

LIC-13-0.00

1/2



## NOTES:

ALL EXISTING FENCE LOCATED INSIDE OF PROPOSED RIGHT OF WAY IS TO BE REMOVED.

THE DISPOSITION OF EXISTING CONSTRUCTION ITEMS WITHIN WORK LIMITS ARE SHOWN ON THE CONSTRUCTION PLANS.

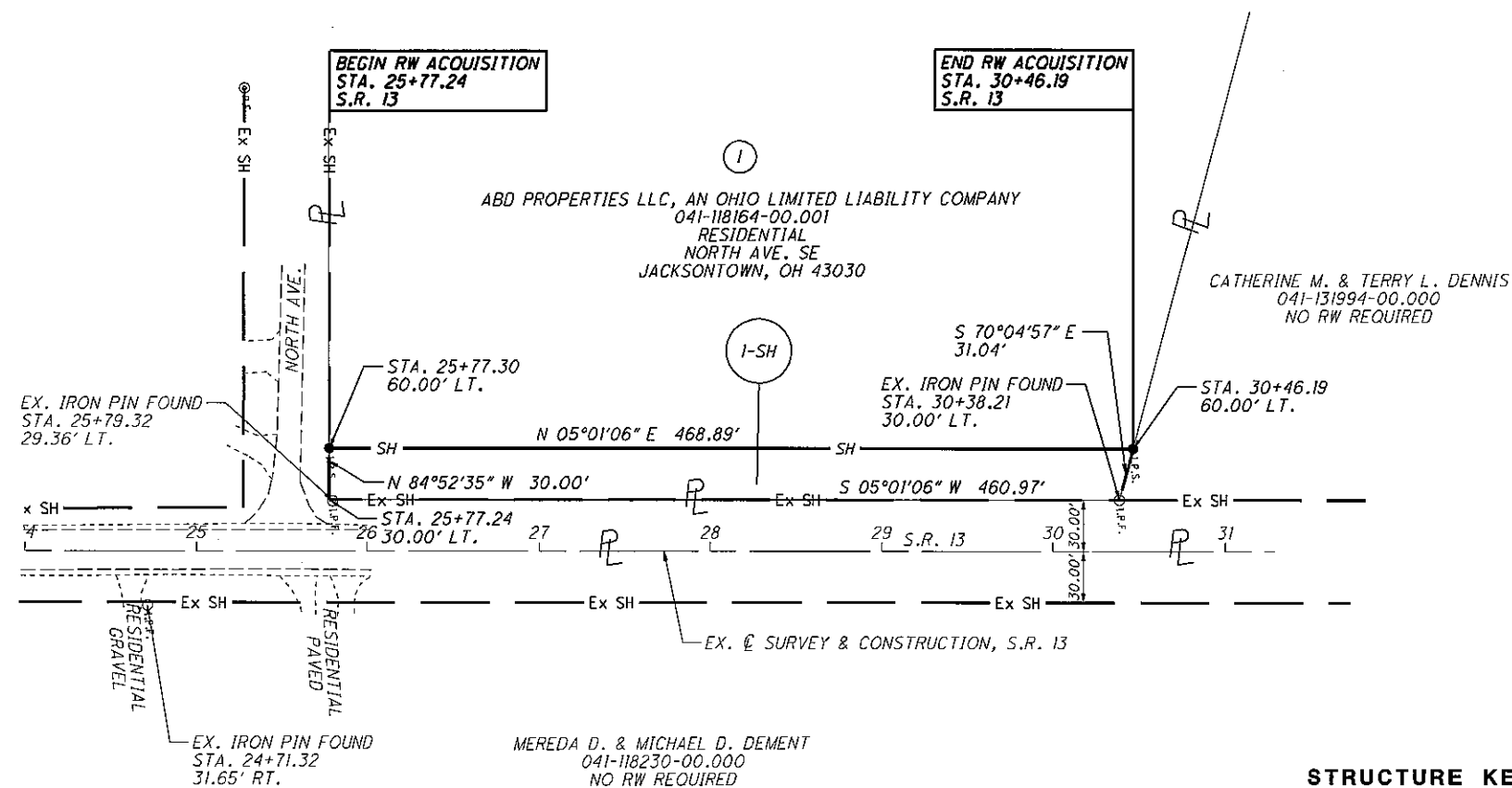
ALL STATIONS AND OFFSETS ARE FROM THE CENTERLINE OF SURVEY AND CONSTRUCTION, S.R. 13 UNLESS OTHERWISE STATED.

## NOTE:

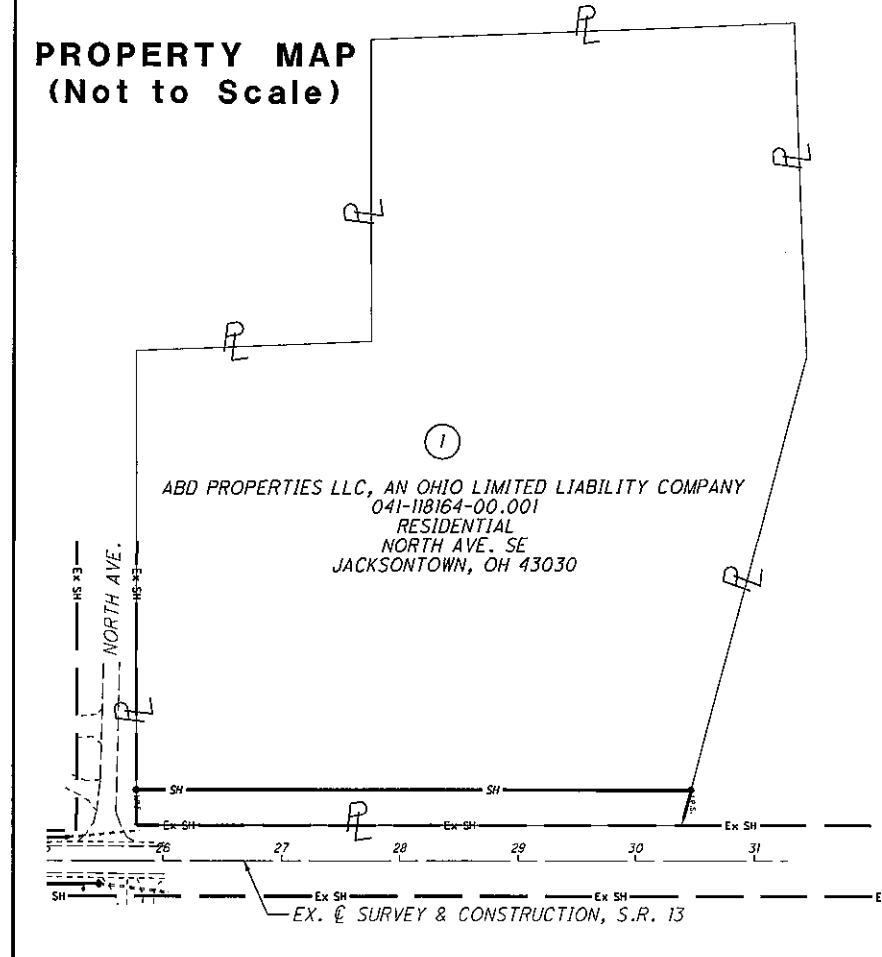
THE EXISTING RIGHT OF WAY WIDTH AND LOCATION WERE DETERMINED USING DOCUMENTATION ON FILE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, DISTRICT 5 OFFICE, JACKSONTOWN, OHIO.

CO. RD. AND TWP RD. RIGHT OF WAY DETERMINED FROM THE LICKING COUNTY ENGINEERS OFFICE LICKING COUNTY, OHIO

4TH QTR., T1N, R12W, LOT27, U.S.M.L.  
LICKING TOWNSHIP  
LICKING COUNTY



PROPERTY MAP  
(Not to Scale)



## MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- IRON PIN FOUND
- IRON PIN FOUND W/ ID CAP
- IRON PIN SET W/ ID CAP
- IRON PIPE FOUND
- IRON PIPE SET
- P.K. NAIL FOUND
- P.K. NAIL SET

## STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

## REV. BY DATE DESCRIPTION

FIELD REVIEW BY: CS & CP  
OWNERSHIP VERIFIED BY: CP  
DATE COMPLETED: 11/21/16

## TOTAL NUMBER OF :

1 OWNERSHIPS 0 TOTAL TAKES  
1 PARCELS 0 OWNERSHIPS W/ STRUCTURES INVOLVED

RECORD AREA - TOTAL PRO - NET TAKE = NET RESIDUE

## ALL AREAS IN ACRES

| PARCEL NO. | OWNER                                                 | OWNERS RECORD DEED BOOK & PG. | AUDITOR'S PARCEL  | RECORD AREA | TOTAL P.R.O. | GROSS TAKE | P.R.O. IN TAKE | NET TAKE | STRUC-TURE | NET RESIDUE LEFT | NET RESIDUE RIGHT | TYPE FUND | REMARKS | AS ACQUIRED DEED BOOK & PG. |
|------------|-------------------------------------------------------|-------------------------------|-------------------|-------------|--------------|------------|----------------|----------|------------|------------------|-------------------|-----------|---------|-----------------------------|
| 1-SH       | ABD PROPERTIES LLC, AN OHIO LIMITED LIABILITY COMPANY | 201412110024554               | 041-118164-00.001 | 7.007       | 0.000        | 0.320      | 0.000          | 0.320    | NO         | 6.687            |                   | STATE     |         |                             |
|            |                                                       |                               |                   |             |              |            |                |          |            |                  |                   | STATE     |         |                             |

NOTE: ALL TEMPORARY PARCELS TO BE OF 12 MONTH DURATION.

RIGHT OF WAY DETAIL SHEET  
STA. 24+00 TO STA. 31+28.89 S.R. 13

LIC-13-0.00  
2/2