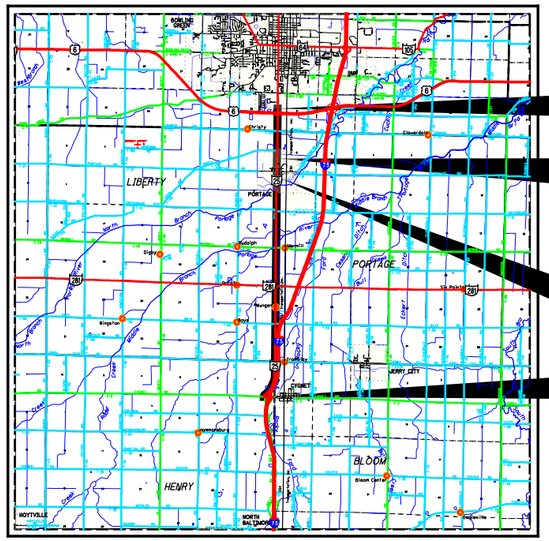
STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

WOO-25-0.75

HENRY, BLOOM, PORTAGE, LIBERTY, PLAIN AND CENTER TOWNSHIPS

WOOD COUNTY



LOCATION MAP

LATITUDE: 41°17'50" LONGITUDE: -83°39'3"

SCALE IN MILES

0 1 2 3 4

N

PORTION TO BE IMPROVED

INTERSTATE HIGHWAY

FEDERAL ROUTES

STATE ROUTES

COUNTY & TOWNSHIP ROADS

OTHER ROADS

DESIGN DESIGNATION

	SLM: 0.75-3.77	SLM: 3.77-4.77	SLM: 4.77-6.24	SLM: 6.24-8.32
CURRENT ADT (2021)	4600	5400	6700	9600
DESIGN YEAR ADT (2041)	5200	6400	7700	10500
DESIGN HOURLY VOLUME (2021)	450	640	770	1050
DIRECTIONAL DISTRIBUTION	54%	61%	64%	62%
TRUCKS (24 HOUR B&C)	11%	13%	12%	11%
DESIGN SPEED	0.59-1.28: 60MPH 1.28-3.77: 65MPH	65 MPH	65 MPH	65 MPH
LEGAL SPEED	0.59-1.28: 55MPH 1.28-3.77: 60MPH	60 MPH	60 MPH	60 MPH

DESIGN FUNCTIONAL CLASSIFICATION:
RURAL MAJOR COLLECTOR

NHS PROJECT ---------- NO

DESIGN EXCEPTIONS

NONE

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig

OHIO811.org Before You Dig

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

PLAN PREPARED BY:
ODOT-DISTRICT 2
317 E POE RD
BOWLING GREEN, OH

ENGINEERS SEAL:

STATE OF OHIO · JOHN L. ERFORD · E-84484 · REGISTERED PROFESSIONAL ENGINEER

SIGNED: _____

DATE: _____

INDEX OF SHEETS:

PROJECT DESCRIPTION

A RECONSTRUCTION PROJECT OF SR-25 IN WOOD COUNTY PREFROM ALL NECESSARY WORK.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	110 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	110 ACRES

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2019 SPECIFICATIONS

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

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON SHEETS 24-50, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED _____

DATE _____ DISTRICT DEPUTY DIRECTOR

APPROVED _____

DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

STANDARD CONSTRUCTION DRAWINGS										SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-2.1	7/17/15	MGS-1.1	1/19/18	TC-41.30	10/18/13	MT-95.30	7/19/19	MT-105.10	1/17/20	800-2020	7/17/20	WATERWAY PERMIT	
BP-2.2	7/18/08	MGS-2.1	1/19/18	TC-42.20	10/18/13	MT-95.31	7/19/19			832	10/19/18	DATE:	1/22/2021
BP-3.1	1/17/20	MGS-3.1	1/19/18	TC-64.10	1/17/20	MT-95.32	4/19/19			836	1/19/18		
BP-4.1	7/19/13	MGS-4.2	7/19/13	TC-65.10	1/17/14					875	1/18/19		
		MGS-5.2	7/15/16	TC-65.11	7/21/17					808	1/18/19		
CB-1.1	7/19/19	MGS-6.1	1/19/18	TC-71.10	1/19/18	MT-97.10	4/19/19			908	10/20/17		
CB-1.2	1/15/16					MT-97.11	1/20/17						
CB-1.3	1/15/16	RM-1.1	7/18/14			MT-98.29	1/17/20						
		RM-4.1	1/17/20			MT-99.20	4/19/19						
DM-1.1	7/17/20	RM-4.3	7/18/14			MT-101.60	1/17/20						
DM-1.2	1/18/13	RM-4.4	7/19/19										
DM-4.3	1/15/16	RM-4.5	7/21/17										
DM-4.4	1/15/16	RM-4.6	7/19/13			MT-101.90	7/17/20						
MH-1.2	1/15/16					MT-102.30	10/16/15						

FEDERAL PROJECT NO. E130765

PID NO. 92133

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT NONE

WOO-25-0.75

ITEM 630, GROUND MOUNTED OR STREET NAME SIGN SUPPORT, NO. 3 POST, AS PER PLAN

THIS ITEM SHALL CONSIST OF INSTALLING A GROUND MOUNTED NO. 3 POST WITH THE EMBEDMENT DEPTH OF A MINIMUM OF 48". ADDITIONAL EMBEDMENT DEPTH IS INCLUDED IN THE PLAN QUANTITY PRICE FOR:

ITEM 630, GORUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN

ITEM 630, STREET NAME SIGN SUPPORT, NO. 3 POST, AS PER PLAN

ITEM 602: CONCRETE MASONRY

ITEM 602: COCNRETE MASONRY, IS TO BE USED AT THE FOLLOWING LOCATIONS USING SCD HW 2.1 AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

STREAM 1 (CREPES DITCH)-STA 242+00	1.31 CY
WETLAND B-STA 286+00	0.27 CY
MIDDLE BRANCH PORTAGE RIVER-STA 294+50	0.48 CY
STREAM 3-STA 317+20	0.46 CY
NORTH BRANCH PORTAGE RIVER-STA 376+25	1.64 CY
D-153 INLET-STA 420+75	0.33 CY
WETALND C-STA 420+90	0.33 CY
STREAM 5-STA 449+60	0.92 CY
STREAM 6-STA 460+20	0.33 CY

FOLLOWING TIEM IS TO BE CARRIED TO THE GENERAL SUMMMARY

ITEM 602: CONCRETE MASONRY	6.07 CY

ITEM 202: PAVEMENT REMOVED, AS PER PLAN

ITEM 202: PAVEMENT REMOVED, AS PER PLAN IS TO BE USED IN LOCATIONS WHERE THE EXISTING PAVEMENT THAT IS TO BE REMOVED HAS A BUILD UP THAT CONSISTS OF ONLY AN ASPHALT SURFACE COURSE ON TOP OF AN AGGREGATE BASE.

ITEM 503: ROCK EXCAVATION

ITEM 503: ROCK EXCAVATION IS TO BE USED AT THE FOLLOWING LOCATIONS WHERE THERE IS ROCK EXPECTED TO BE ENCOUNTERED WHEN INSTALLING THE PROPOSED STORM SEWER.

THE FOLLOWING CALLOUTS ARE THE AREAS OF EXPECTED ROCK EXCAVATION:

D-62, D-66, D-68, D-71, D-75 (2100 LF-48" CONDUIT)	80 CY
D-147A, D-147B (300 LF-12" CONDUIT)	40 CY
D-166, D-168 (640 LF-12" CONDUIT) (59 LF-15" CONDUIT)	60 CY
D-166, D-168 (489 LF-12" CONDUIT) (465 LF-15" CONDUIT) (310 LF-42" CONDUIT)	185 CY
D-190, D-193, D-195, D-196, D-197 (42 LF-18" CONDUIT) (1267 LF-36" CONDUIT)	210 CY

FOLLOWING TIEM IS TO BE CARRIED TO THE GENERAL SUMMMARY

ITEM 503: ROCK EXCAVATION	575 CY

ITEM 202-REMOVAL, MISC.: WOO-25-0365 REAR ABUTMENT REPAIR

THIS ITEM SHALL CONSIST OF REPAIRING THE REAR ABUTMENT WINGWALL OF STRUCTURE WOO-25-0365 OVER CREPS DITCH AFTER REMOVAL OF THE 42" CONDUIT.

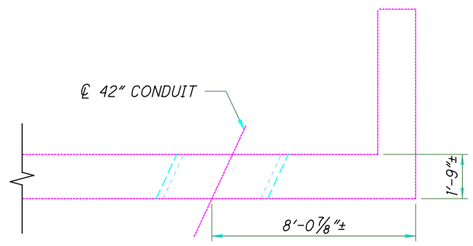
THE WORK FOR THIS ITEM SHALL INCLUDE THE REMOVAL OF THE APPROX. 3" GROUT FILLING THE ANNULAR SPACE BETWEEN THE 42" CONDUIT AND WINGWALL, DRILLING AND INSTALLING #5 DOWELS AS PER C&MS 509 & 510, INSTALLING #5 EPOXY COATED REINFORCING STEEL, FORMING, PLACING QC1 CONCRETE AS PER C&MS 511, AND REMOVING FORMS, CURING AND FINISHING AS PER C&MS 511 AND AS PER THE DETAILS PROVIDED ON THIS SHEET.

REMOVAL OF THE EXISTING 42" CONDUIT SHALL BE PAID FOR AS PIPE REMOVED, OVER 24".

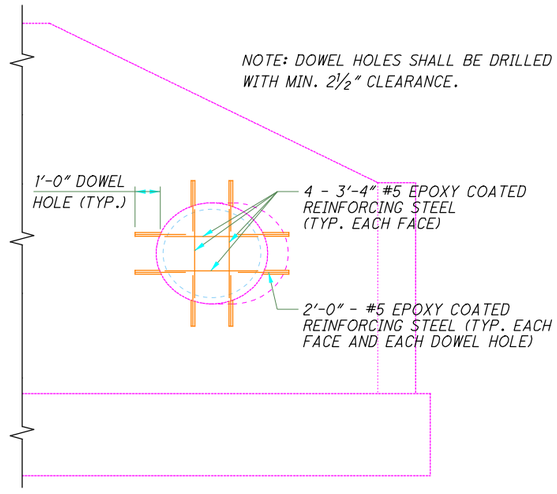
THE ESTIMATED QUANTITIES REQUIRED TO PERFORM THIS WORK ARE LISTED BELOW:

ITEM 509, EPOXY COATED REINFORCING STEEL	61 LBS.
ITEM 510, DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	16 EACH
ITEM 511, CLASS QC1 CONCRETE, ABUTMENT	0.9 CY

PAYMENT FOR THIS WORK SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE THE WORK DESCRIBED ABOVE AND SHALL BE INCLUDED IN THE LUMP SUM BID ITEM FOR ITEM 202, REMOVAL, MISC.: WOO-25-0365 REAR ABUTMENT REPAIR.



WOO-65-0365 REAR ABUTMENT PARTIAL PLAN



WOO-65-0365 REAR ABUTMENT PARTIAL ELEVATION

302 ASPHALT CONCRETE BASE, AS PER PLAN

MIX DESIGN - FOLLOW THE REQUIREMENTS OF 302.02 EXCEPT AS MODIFIED BELOW:

- USE A MAXIMUM F/A RATIO OF 1.4. IF THE F/A RATIO IS GREATER THAN 1.2, RECALCULATE THE F/A RATIO USING THE EFFECTIVE ASPHALT BINDER CONTENT.
- THE TSR IS REQUIRED AND THE MINIMUM TSR IS 0.70 AS DETERMINED USING SUPPLEMENT 1051. ADD ANTISTRIP ADDITIVE AS SPECIFIED IN 440.06 IF REQUIRED BASED ON TSR AND ENSURE THE MINIMUM IS 0.80 AFTER ANTISTRIP.

QUALITY CONTROL AND ACCEPTANCE

FOLLOW THE REQUIREMENTS AS SPECIFIED IN 403 USING 446 ACCEPTANCE EXCEPT AS MODIFIED BELOW:

- RUN MSG AND AIR VOIDS AND FOLLOW 403.06.G INSTEAD OF 403.06.F.

TABLE 403.06-1

MIX CHARACTERISTIC	OUT OF SPECIFICATION LIMITS
ASPHALT BINDER CONTENT[1]	-0.5% TO 0.5%
1/2 INCH (12.5 MM) SIEVE [1]	-7.0% TO 7.0%
NO.4 (4.75MM) SIEVE [1]	-6.0% TO 6.0%
NO. 8 (2.36 MM) SIEVE [1]	-5.0% TO 5.0%
NO. 200 (75 µM) SIEVE [1]	-2.0% TO 2.0%
AIR VOIDS [2]	2.5% TO 5.5%
MSG [3]	-0.015 TO 0.015
F/A [4]	1.4 MAX
VMA	12.0 MIN

[1] DEVIATION FROM THE JMF.
[2] FOR DESIGN AIR VOIDS OF 4.0%. COMPACT USING A SIX-INCH MARSHALL HAMMER WITH 70 BLOWS ON BOTH SIDES PER 302.02.
[3] DEVIATION FROM THE MTD.
[4] IF THE F/A RATIO IS GREATER THAN 1.2, RECALCULATE THE F/A RATIO USING THE EFFECTIVE ASPHALT BINDER CONTENT.
[5] DO NOT FOLLOW THE MINIMUM 7% RETAINED DURING PRODUCTION PER 403.06.F.5.

- REPLACE MSG COMPARISON IN TABLE 403.10-1 WITH 0.015.
- NOTIFY ERIC BIEHL - OMM 614-275-1380 AND JULIA MILLER OCA 614-466-3165 ONE WEEK PRIOR TO PLANNED BEGINNING PRODUCTION AND PLACEMENT. YOU MAY EMAIL THEM AS WELL.

FIELD OPERATIONS

FOLLOW THE REQUIREMENTS OF 401 AND ANTI-SEGREGATION EQUIPMENT IS REQUIRED PER 401.03.C AND IS INCIDENTAL TO THE COST OF THIS ITEM.

DENSITY ACCEPTANCE

FOLLOW THE REQUIREMENTS OF 446 ASPHALT CONCRETE CORE DENSITY ACCEPTANCE, INCLUDING JOINT CORES, EXCEPT AS MODIFIED BELOW:

OBTAIN 6-INCH DIAMETER CORES ON EACH LIFT PLACED. OBTAIN JOINT CORES AT COLD LONGITUDINAL JOINTS SUCH THAT THE CORE'S CLOSEST EDGE IS 6 INCHES (152 MM) FROM THE EDGE OF THE MAT. PAY FACTORS FOR EACH LIFT OF 302 APP WILL BE AS SPECIFIED IN THE FOLLOWING TABLE.

MEAN OF LOT CORE DENSITY[1]	PAY FACTOR 302,APP
>98.0%	[2]
>97.0% TO 98.0%	[3]
92.0% TO 97%	1.00
91.0% TO 91.9%	0.90
90.0% TO 90.9%	0.80
89.0% TO 89.9%	0.70
<89.0%	[4]

[1]MEAN OF CORES AS PERCENT OF AVERAGE MSG FOR THE PRODUCTION DAY.
[2] THE DISTRICT WILL DETERMINE WHETHER THE MATERIAL MAY REMAIN IN PLACE.
THE PAY FACTOR FOR MATERIAL ALLOWED TO REMAIN IN PLACE IS 0.50.
[3] THE DISTRICT WILL DETERMINE WHETHER THE MATERIAL MAY REMAIN IN PLACE.
THE PAY FACTOR FOR MATERIAL ALLOWED TO REMAIN IN PLACE IS 0.70.
[4] THE DISTRICT WILL DETERMINE WHETHER THE MATERIAL MAY REMAIN IN PLACE.
THE PAY FACTOR FOR MATERIAL ALLOWED TO REMAIN IN PLACE IS 0.50.

IF MATERIAL IS REMOVED AND REPLACED THE CONTRACTOR WILL REMOVE AND REPLACE THIS COURSE AND ALL COURSES PAVED ON THIS COURSE.

CALCULATED JLE CHECKED XXX

GENERAL NOTES

WOO-25-0.75

ITEM 614, MAINTAINING TRAFFIC

THE INTENT OF THE PROPOSED MAINTENANCE OF TRAFFIC PHASING IS TO ALLOW THE CONTRACTOR TO PERFORM FULL WIDTH RECONSTRUCTION OF THE PAVEMENT, WHILE ALLOWING LOCAL PROPERTY OWNERS ACCESS TO THEIR PROPERTIES FROM AT LEAST ONE DIRECTION AT ALL TIMES.

CONTRACTOR SHALL COORDINATE WITH ALL PROPERTY OWNERS 7 DAYS PRIOR TO INSTALLING AND/OR SWITCHING MOT OPERATIONS PROVIDING DETAILED ACCESS ROUTES TO ALL PROPERTIES.

ALL WORK LISTED BELOW SHALL BE INCLUSIVE OF ITEM 614 MAINTAINING TRAFFIC (UNLESS OTHERWISE DETAILED IN THE PLANS).

DURING PERIODS OF SOIL STABILIZATION WORK/CURE PERIOD, ACCESS TO DRIVEWAYS SHALL BE MAINTAINED USING ITEM 304 AGGREGATE BASE, PLACED AND COMPACTED AT A THICKNESS DETERMINED BY THE CONTRACTOR/SOIL STABILIZATION SUB-CONTRACTOR TO ALLOW LOCAL TRAFFIC ACCESS TO DRIVEWAYS WITHOUT DAMAGE TO UNDERLING STABILIZATION PROCESS/CURE PERIOD. THIS WILL INCLUDE PLACEMENT OF ITEM 304 ALONG STRETCHES OF MAINLINE PAVEMENT LEADING UP TO DRIVEWAYS. AT NO TIME WILL LOCAL OR CONSTRUCTION TRAFFIC BE ALLOWED TO DRIVE DIRECTLY ON TOP OF SOIL STABILIZED SUBGRADE DURING THE CURE PROCESS.

ANY STONE REQUIRED TO BRIDGE OVER EXPOSED SUBGRADE OR STABILIZED SUBGRADE TO ACCESS DRIVES PRIOR TO SOIL STABILIZATION WORK IS INCLUSIVE OF ITEM 614 MAINTAINING TRAFFIC.

LOCAL ACCESS MUST BE MAINTAINED AT ALL TIMES.

MAILBOXES/PAPER-BOXES ACCESS SHALL BE MAINTAINED AT ALL TIMES AND IF REQUIRED, BOXES SHALL BE TEMPORARILY RELOCATED TO AREAS ACESSIBLE TO BOTH THE MAIL SERVICE AND THE HOME OWNERS. ADDITIONALY THE CONTRACTOR SHALL COORDINATE WITH LOCAL GARBAGE COLLECTION CONTRACTORS FOR ACCESS TO PICK-UP OF RESIDENCE AND BUSINESS GARBAGE. ALL COST ASSOCIATED WITH MAIL AND GARBAGE COORDINATION SHALL BE INCLUDED WITH ITEM 614 - MAINTAINING TRAFFIC.

THE CONTRACTOR SHALL INSTALL ONE-WAY, WRONG-WAY, AND DO NOT ENTER SIGNS DURING PHASES 8A AND 8B. AT THE CROSSROADS/DRIVEWAYS THAT ARE RESTRICTED TO A RIGHT TURN MOVEMENT ONLY. THESE SIGNS SHALL BE PLACED AS DESCRIBED BELOW:

ONE-WAY (R6-1R) SIGNS: AT ALL CLOSED INTERSECTIONS AND DRIVEWAYS WITHIN THE CONSTRUCTION ZONE.

DO NOT ENTER (R5-1) SIGNS: SHALL BE PLACED AT ALL CLOSED INTERSECTIONS AND DRIVEWAYS TO PREVENT OPPOSING TRAFFIC FROM TRAVELING THE WRONG DIRECTION.

WRONG WAY (R5-1a) SIGNS: PLACED 100'& 300' BACK FROM THE INTERSECTION TO PREVENT TRAFFIC FROM TRAVELING THE WRONG DIRECTION.

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

NO EXTENSIONS OF TIME SHALL BE GRANTED FOR DELAYS IN MATERIAL DELIVERIES, UNLESS SUCH DELAYS ARE INDUSTRY-WIDE, OR FOR LABOR STRIKES, UNLESS SUCH STRIKES ARE AREA-WIDE.

FULL CLOSURES SHALL NOT BE PERMITTED BETWEEN DECEBMER 1 AND MARCH 1 OF 2022/2023. SINGLE LANE CLOSURES WITH BARRELS WILL BE ALLOWED. SHOULD THE CONTRACTOR FAIL TO MEET THIS REQUIREMENT, DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF $5000 PER CALENDAR DAY.

COMPLETION DATE

ALL WORK SHALL BE COMPLETED BY OCTOBER 31, 2023. ALL LANES OPEN TO THE TRAVELING PUBLIC.

CEMENT STABILIZATION CURING

USE OF EMULSION AS A CURE COAT WILL NOT BE WAIVED OR REVISED TO ANY OTHER CURE TYPE MATERIAL.

SEQUENCE OF CONSTRUCTION

THE CONTRACTOR MAY COMPLETE THE CONSTRUCTION PHASING IN ANY ORDER AND PHASES MAY BE CONSTRUCTED SIMULTANEOUSLY EXCEPT THAT ADJACENT PHASES REQUIRING CLOSURES SHALL NOT BE CONSTRUCTED AT THE SAME TIME (I.E. PHASES 1 AND 2 CLOSED CONCURRENTLY). HOWEVER, THE CONTRACTOR WILL STILL BE RESPONSIBLE FOR MAINTAINING ACCESS TO ALL PROPERTIES AND FOR ANY ADDITIONAL MOT SIGNAGE BIRECTED BY THE ENGINEER DURING THE PERIODS OF ACTIVE CONSTRUCTION.

PRE-PHASE:

1.) COMPLETE ANY NECESSARY DRAINAGE WORK TO ENSURE POSITIVE DRAINAGE DURING CONSTRUCTION WHILE MAINTAINING TRAFFIC WITH SINGLE LANE CLOSURES

PHASE 1:

1.) CLOSE SR-25 TO THRU TRAFFIC AT THE FOLLOWING LOCATIONS:

a. FROM STA: 100+00 TO STA: 150+50

2.) MAINTAIN DRIVEWAY ACCESSES TO RESIDENTS AND BUSINESSES UTILIZING EXISTING PAVEMENT AND SHOULDERS. INSTALL ADDITIONAL WIDTH TO EXISTING SHOULDER AS NEEDED TO MAINTAIN ACCESSES. (INSTALL TEMP ROAD AND NECESSARY PAVEMENT TO MAINTAIN ACCESS TO THE TWO BUSINESSES LOCATED ON THE SOUTH END OF THE PROJECT (SCHUMACHER HOMES AND WAYNE HOMES)) (SEE MOT PLAN SHEET 32)

3.) RECONSTRUCT LANES TO INTERMEDIATE COURSE AT A MINIMUM

4.) PERFORM, AT A MINIMUM, ALL WORK NECESSARY TO SAFELY OPEN THE ROADWAY TO TRAFFIC. FULL CLOSURES WILL NOT BE ALLOWED ONCE THE ROADWAY SECTION IS OPENED TO TRAFFIC.

PHASE 2:

1.) CLOSE SR-25 TO THRU TRAFFIC AT THE FOLLOWING LOCATIONS:

a. FROM STA: 150+50 TO STA: 210+50

2.) MAINTAIN DRIVEWAY ACCESSES TO RESIDENTS AND BUSINESSES UTILIZING EXISTING PAVEMENT AND SHOULDERS. INSTALL ADDITIONAL WIDTH TO EXISTING SHOULDER AS NEEDED TO MAINTAIN ACCESSES.

3.) RECONSTRUCT LANES TO INTERMEDIATE COURSE AT A MINIMUM

4.) PERFORM, AT A MINIMUM, ALL WORK NECESSARY TO SAFELY OPEN THE ROADWAY TO TRAFFIC. FULL CLOSURES WILL NOT BE ALLOWED ONCE THE ROADWAY SECTION IS OPENED TO TRAFFIC.

PHASE 3:

1.) CLOSE SR-25 TO THRU TRAFFIC AT THE FOLLOWING LOCATIONS:

a. FROM STA: 210+50 TO STA: 257+00

2.) MAINTAIN DRIVEWAY ACCESSES TO RESIDENTS AND BUSINESSES UTILIZING EXISTING PAVEMENT AND SHOULDERS. INSTALL ADDITIONAL WIDTH TO EXISTING SHOULDER AS NEEDED TO MAINTAIN ACCESSES.

3.) RECONSTRUCT LANES TO INTERMEDIATE COURSE AT A MINIMUM

4.) PERFORM, AT A MINIMUM, ALL WORK NECESSARY TO SAFELY OPEN THE ROADWAY TO TRAFFIC. FULL CLOSURES WILL NOT BE ALLOWED ONCE THE ROADWAY SECTION IS OPENED TO TRAFFIC.

PHASE 4:

1.) CLOSE SR-25 TO THRU TRAFFIC AT THE FOLLOWING LOCATIONS:

a. FROM STA: 257+00 TO STA: 300+50

2.) MAINTAIN DRIVEWAY ACCESSES TO RESIDENTS AND BUSINESSES UTILIZING EXISTING PAVEMENT AND SHOULDERS. INSTALL ADDITIONAL WIDTH TO EXISTING SHOULDER AS NEEDED TO MAINTAIN ACCESSES.

3.) RECONSTRUCT LANES TO INTERMEDIATE COURSE AT A MINIMUM

4.) PERFORM, AT A MINIMUM, ALL WORK NECESSARY TO SAFELY OPEN THE ROADWAY TO TRAFFIC. FULL CLOSURES WILL NOT BE ALLOWED ONCE THE ROADWAY SECTION IS OPENED TO TRAFFIC.

PHASE 5:

1.) CLOSE SR-25 TO THRU TRAFFIC AT THE FOLLOWING LOCATIONS:

a. FROM STA: 300+50 TO STA: 343+25

2.) MAINTAIN DRIVEWAY ACCESSES TO RESIDENTS AND BUSINESSES UTILIZING EXISTING PAVEMENT AND SHOULDERS. INSTALL ADDITIONAL WIDTH TO EXISTING SHOULDER AS NEEDED TO MAINTAIN ACCESSES.

3.) RECONSTRUCT LANES TO INTERMEDIATE COURSE AT A MINIMUM

4.) PERFORM, AT A MINIMUM, ALL WORK NECESSARY TO SAFELY OPEN THE ROADWAY TO TRAFFIC. FULL CLOSURES WILL NOT BE ALLOWED ONCE THE ROADWAY SECTION IS OPENED TO TRAFFIC.

PHASE 6:

1.) CLOSE SR-25 TO THRU TRAFFIC AT THE FOLLOWING LOCATIONS:

a. FROM STA: 343+25 TO STA: 388+60

2.) MAINTAIN DRIVEWAY ACCESSES TO RESIDENTS AND BUSINESSES UTILIZING EXISTING PAVEMENT AND SHOULDERS. INSTALL ADDITIONAL WIDTH TO EXISTING SHOULDER AS NEEDED TO MAINTAIN ACCESSES.

3.) RECONSTRUCT LANES TO INTERMEDIATE COURSE AT A MINIMUM

4.) PERFORM, AT A MINIMUM, ALL WORK NECESSARY TO SAFELY OPEN THE ROADWAY TO TRAFFIC. FULL CLOSURES WILL NOT BE ALLOWED ONCE THE ROADWAY SECTION IS OPENED TO TRAFFIC.

PHASE 7:

1.) CLOSE SR-25 TO THRU TRAFFIC AT THE FOLLOWING LOCATIONS:

a. FROM STA: 412+75 TO STA: 426+00

2.) MAINTAIN DRIVEWAY ACCESSES TO RESIDENTS AND BUSINESSES UTILIZING EXISTING PAVEMENT AND SHOULDERS. INSTALL ADDITIONAL WIDTH TO EXISTING SHOULDER AS NEEDED TO MAINTAIN ACCESSES.

3.) RECONSTRUCT LANES TO INTERMEDIATE COURSE AT A MINIMUM

4.) PERFORM, AT A MINIMUM, ALL WORK NECESSARY TO SAFELY OPEN THE ROADWAY TO TRAFFIC. FULL CLOSURES WILL NOT BE ALLOWED ONCE THE ROADWAY SECTION IS OPENED TO TRAFFIC.

PHASE 8A:

1.) MAINTAIN SB TRAFFIC BY UTILIZING THE EX SB LANES.(SEE MOT PLAN SHEET 33)

2.) MAINTAIN DRIVEWAY ACCESSES TO RESIDENTS AND BUSINESSES UTILIZING EXISTING PAVEMENT AND SHOULDERS. INSTALL ADDITIONAL WIDTH TO EXISTING SHOULDER AS NEEDED TO MAINTAIN ACCESSES.

3.) RECONSTRUCT LANES TO INTERMEDIATE COURSE AT A MINIMUM

4.) PERFORM, AT A MINIMUM, ALL WORK NECESSARY TO SAFELY OPEN THE ROADWAY TO TRAFFIC. FULL CLOSURES WILL NOT BE ALLOWED ONCE THE ROADWAY SECTION IS OPENED TO TRAFFIC.

PHASE 8B:

1.) MAINTAIN NB TRAFFIC BY MOVING NB TRAFFIC TO THE EAST EDGE OF NEWLY CONSTRUCTED NB LANES IN PHASE 8A. (SEE MOT PLAN SHEET 34)

2.) MAINTAIN DRIVEWAY ACCESSES TO RESIDENTS AND BUSINESSES UTILIZING EXISTING PAVEMENT AND SHOULDERS. INSTALL ADDITIONAL WIDTH TO EXISTING SHOULDER AS NEEDED TO MAINTAIN ACCESSES.

3.) RECONSTRUCT LANES TO INTERMEDIATE COURSE AT A MINIMUM

4.) PERFORM, AT A MINIMUM, ALL WORK NECESSARY TO SAFELY OPEN THE ROADWAY TO TRAFFIC. FULL CLOSURES WILL NOT BE ALLOWED ONCE THE ROADWAY SECTION IS OPENED TO TRAFFIC.

PHASE 9:

1.) CLOSE SR-25 TO THRU TRAFFIC AT THE FOLLOWING LOCATIONS:

a. FROM STA: 453+60 TO NORTHERN PROJECT LIMITS

2.) MAINTAIN DRIVEWAY ACCESSES TO RESIDENTS AND BUSINESSES UTILIZING EXISTING PAVEMENT AND SHOULDERS. INSTALL ADDITIONAL WIDTH TO EXISTING SHOULDER AS NEEDED TO MAINTAIN ACCESSES.

3.) RECONSTRUCT LANES TO INTERMEDIATE COURSE AT A MINIMUM

4.) PERFORM, AT A MINIMUM, ALL WORK NECESSARY TO SAFELY OPEN THE ROADWAY TO TRAFFIC. FULL CLOSURES WILL NOT BE ALLOWED ONCE THE ROADWAY SECTION IS OPENED TO TRAFFIC.

5.) ALL WORK (EXCEPT SURFACE COURSE, PERMANT STRIPING, RPMS, SEEDING AND MULCHING) FROM STATION 473+50 TO THE NORTHERN END OF THE PROJECT SHALL BE COMPLETED WITHIN 30 DAYS OF CLOSURE. SHOULD THE CONTRACTOR FAIL TO MEET THIS REQUIREMENT, DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF $5000 PER CALENDAR DAY.

PHASE 10:

1.) PLACE SURFACE COURSE USING SINGLE LANE CLOSURE/FLAGGERS. THE CONTRACTOR ALSO HAS THE OPTION OF PLACING SURFACE COURSE DURING THE CLOSURES DETAILED ABOVE

2.) COMPLETE ALL REMAINING PROJECT WORK USING SINGLE LANE CLOSURES OR FLAGGERS.

CALCULATED TLM CHECKED JJM

MAINTENANCE OF TRAFFIC GENERAL NOTES

WOO-25-0.75

ITEM 614, MAINTAINING TRAFFIC (ROAD CLOSED SIGN)

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE BEGINNING AND END OF THE PROJECT (CYGNET RD AND STA 484+20) AND AT ALL INTERSECTION CLOSURES DURING PERIODS OF ACTIVE CONSTRUCTION.

ITEM 614, MAINTAINING TRAFFIC (SIGNS AND BARRICADES)

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS FOLLOWS:

SIGNS R11-3a ARE TO BE PLACED DURING THE CLOSURES OF THE FOLLOWING CROSSROADS WHERE THEY INTERSECT RUDOLPH RD AND SOLETHER RD

- POWELL RD
- GREENSBURG PIKE
- MERMILL RD
- SR-281
- BAYS RD
- JERRY CITY RD

SIGNS R11-3a ARE TO BE PLACED DURING THE CLOSURES OF THE FOLLOWING CROSSROADS WHERE THEY INTERSECT RUDOLPH RD AND COUNTY HOME RD

- KRAMER RD

INTERSECTION CLOSURE DURATION

THRU TRAFFIC MOVEMENT AT ALL CROSSROADS SHALL NOT BE CLOSED FOR MORE THAN 30 CONSECUTIVE CALENDAR DAYS. SHOULD THE CONTRACTOR FAIL TO MEET THIS REQUIREMENT, DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF $1000 PER CALENDAR DAY

ITEM 614, MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN)

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. [AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.]

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP &	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
ROAD	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURES	<= 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

CLOSURES AT RAMPS & CROSS ROADS:

- US-6 RAMPS
- KRAMER RD
- POWELL RD
- GREENSBURG PIKE
- MERMILL RD
- SR-281
- BAYS RD
- JERRY CITY RD

MAINTAINING ACCESS TO ENRIGHT PARK AND SHINEW FIELD

CARE SHALL BE GIVEN TO MAINTAINING ACCESS TO ENRIGHT PARK AND SHINEW FIELD AT ALL TIMES. ANY DROP-OFF FOR MAINTAINING THE ACCESS SHALL BE PROTECTED USING DRUMS AND A 3:1 SLOPE. THE CONTRACTOR SHALL INFORM THE VILLAGE OF PORTAGE 7 DAYS IN ADVANCE OF CHANGES TO THE PARK AND FIELD ACCESS.

DRIVEWAY & PROPERTY ACCESS

ACCESS TO ALL PROPERTIES MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DRIVEWAY ACCESS SHALL BE MAINTAINED BY USE OF EXISTING AND PROPOSED PAVEMENT, BERMS, OR SHOULDERS. THE CONTRACTOR SHALL PROVIDE RESIDENTS AND/OR BUSINESSES WITH A MINIMUM 7 DAYS NOTICE WHEN ACCESS TO THEIR DRIVEWAYS WILL BE RESTRICTED/CHANGED DUE TO CONSTRUCTION.

DUE TO PROFILE GRADE CHANGES BETWEEN PHASED CONSTRUCTION OF SR 25, THE CONTRACTOR WILL NEED TO INSTALL TEMPORARY ASPHALT WEDGING AT VARIOUS LOCATIONS THROUGHOUT THE PROJECT TO TRANSITION BETWEEN VARIOUS MOT PHASES, INCLUDING ALL INTERSECTIONS AS THEY ARE REOPENED AFTER COMPLETING THE INSIDE/MEDIAN/LEFT TURN LANE RECONSTRUCTION WORK. INCLUDED IN THE COST OF THIS WORK IS THE REMOVAL OF THESE TRANSITION AREAS WHEN NO LONGER REQUIRED. ALL TRANSITION AREAS ARE TO BE INSTALLED PER STD. DRAWING BP-3.1 AND MAY INCLUDE NOT ONLY WEDGING FOR CROSS-TRAFFIC CONDITIONS BUT ALSO ALONG MAINLINE SR-25 NORTH AND SOUTH OF THE INTERSECTION DEPENDENT ON GRADE DIFFERENCES. CONTRACTORS SHALL CAREFULLY REVIEW CROSS-SECTIONS AND PROFILE GRADES DURING THE BIDDING PROCESS TO DETERMINE PROPER AMOUNT OF WORK TO BE INCLUDED IN PLACING AND REMOVING ASPHALT AT THESE TRANSITION AREAS. ALL COST TO BE INCLUDED IN ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC - 1000 YDS.

TRENCH FOR WIDENING

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

OVERNIGHT TRENCH CLOSING

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 1 1/2" INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

WORK ZONE DROP-OFF'S

ALL DROP-OFF'S SHALL BE MAINTAINED PER MT-101.90. IF THE CONTRACTOR DETERMINES THAT IT IS NOT POSSIBLE DUE TO SPACING OR DRIVEWAY CONSTRAINTS, THE CONTRACTOR SHALL BACKFILL THE DROP-OFF WITH A 3:1 SLOPE OR FLATTER AS NECESSARY, AND PROTECT WITH DRUMS, NO PORTABLE BARRIER WILL BE REQUIRED DUE TO SIGHT DISTANCE AND DRIVEAY FREQUENCY. ALL OF THESE LOCATIONS SHALL BE APPROVED BY THE ENGINEER.

DUST CONTROL

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

ITEM 616, WATER 5 M. GAL.

PLANED SURFACES

NO PLANED SURFACES SHALL BE OPEN TO THE PUBLIC FOR MORE THAN 5 DAYS. IF THE PLANED SURFACE IS OPEN FOR MORE THAN 5 DAYS, THEN IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THE PAVEMENT FAILURES THAT OCCURRED AFTER THE 5 DAYS.

CALCULATED TLM CHECKED JJM

NOTICE OF TRAFFIC GENERAL NOTES

MAINTENANCE

WOO-25-0.75

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE (OFFICE OF MATERIALS MANAGEMENT WEB PAGE). THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 650 FEET AND 475 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH CMS 614.03.

PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

(THE CONTRACTOR SHALL IMPLEMENT A SYSTEM WHEREBY CHANGEABLE MESSAGES WILL BE IMPLEMENTED WITHIN 3 HOURS FOLLOWING TELEPHONE NOTIFICATION FROM THE PROJECT ENGINEER TO A DESIGNATED PHONE.)

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE

PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE. THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

(THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL (IN ACTIVE CELLULAR PHONE AREAS) ALLOW REMOTE SIGN ACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES. ONE REMOTE DATA INPUT DEVICE (LAPTOP COMPUTER PLUS MODEM OR EQUIVALENT) SHALL BE FURNISHED FOR USE BY THE DISTRICT TRAFFIC ENGINEER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT.)

THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF CMS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	117 SIGN MNTH
	ASSUMING 9 PCMS SIGNS FOR 13 MONTHS	

SEE TABLE 2 FOR PCMS LOCATIONS.

TABLE 2

PCMS Number	Location
# 1	EB SR-281 WEST OF SR-235
# 2	WB SR-281 EAST OF SR-199
# 3	SB SR-25 AT NORTH OF US 6
# 4	NB I-75 SOUTH OF CYGNET ROAD
# 5	SB I-75 NORTH OF US 6
# 6	WB US-6 EAST OF I-75
# 7	WB US-6 EAST OF SR-25
# 8	EB US-6 WEST OF SR-235
# 9	EB US-6 WEST OF SR-25

DETOUR ROUTE

THE DEPARTMENT WILL PROVIDE, ERECT, MAINTAIN, AND SUBSEQUENTLY REMOVE ALL DETOUR SIGNING FOR ANY STATE ROUTES ON THE PROJECT.

SR-25 DETOUR:
- PHASES 1-8:
  - SR-25 SOUTHBOUND:
    - SR-25 TO US-6 EASTBOUND
    - US-6 TO I-75 SOUTHBOUND
    - I-75 TO CYGNET RD
  - SR-25 NORTHBOUND:
    - CYGNET RD TO I-75 NORTHBOUND
    - I-75 TO US-6 EASTBOUND
    - US-6 TO SR-25
- PHASE 9:
  - SR-25 SOUTHBOUND:
    - SR-25 TO NAPOLEON RD EASTBOUND
    - NAPOLEON RD TO DUNBRIDGE RD SOUTHBOUND
    - DUNBRIDGE RD TO US-6 WESTBOUND
    - US-6 TO SR-25
  - SR-25 NORTHBOUND:
    - SR-25 TO US-6 EASTBOUND
    - US-6 TO DUNBRIDGE RD NORTHBOUND
    - DUNBRIDGE RD TO NAPOLEON RD WESTBOUND
    - NAPOLEON RD TO SR-25

SECONDARY SR-25 DETOUR:
- PHASES 4-7:
  - SR-25 SOUTHBOUND:
    - SR-25 TO US 6 WESTBOUND
    - US-6 TO SR-235 SOUTHBOUND
    - SR-235 TO SR-281 EASTBOUND
    - SR-281 TO SR-25
  - SR-25 NORTHBOUND:
    - SR-25 TO SR-281 WESTBOUND
    - SR-281 TO SR-235 NORTHBOUND
    - SR-235 TO US-6 WESTBOUND
    - US-6 TO SR-25

SECONDARY SR-25 DETOUR:
- PHASE 8A:
  - SR-25 SOUTHBOUND:
    - MAINTAINING SOUTHBOUND TRAFFIC
  - SR-25 NORTHBOUND:
    - SR-25 TO SR-281 WESTBOUND
    - SR-281 TO SR-235 NORTHBOUND
    - SR-235 TO US-6 WESTBOUND
    - US-6 TO SR-25

SECONDARY SR-25 DETOUR:
- PHASE 8B:
  - SR-25 SOUTHBOUND:
    - SR-25 TO US 6 WESTBOUND
    - US-6 TO SR-235 SOUTHBOUND
    - SR-235 TO SR-281 EASTBOUND
    - SR-281 TO SR-25
  - SR-25 NORTHBOUND:
    - MAINTAINING NORTHBOUND TRAFFIC

US-6 TO SR-25 DETOUR:
- PHASE 9:
  - US-6 TO SR-25:
    - US-6 TO I-75 NORTHBOUND
    - I-75 TO SR-64 WESTBOUND
    - SR-64 TO SR-25

SR-281 DETOUR:
- PHASE 3:
  - SR-281 EASTBOUND:
    - SR-281 TO SR-235 NORTHBOUND
    - US-235 TO US-6 WESTBOUND
    - US-6 TO SR-199 SOUTHBOUND
    - SR-199 TO SR-281
  - SR-281 WESTBOUND:
    - SR-281 TO SR-199 NORTHBOUND
    - SR-199 TO US-6 WESTBOUND
    - US-6 TO SR-235 SOUTHBOUND
    - SR-235 TO SR-281

DESIGNATED LOCAL DETOUR ROUTE

IN ADDITION TO THE OFFICIAL, SIGNED DETOUR ROUTE, A LOCAL ROUTE HAS BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTE OR "DESIGNATED LOCAL DETOUR ROUTE." THE FOLLOWING ROADS WILL BE UTILIZED FOR A LOCAL DETOUR FOR DESIGNATED CLOSURE:

RUDOLPH RD (FROM US 6 TO CYGENT RD = 11 MILES)

DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED FOR USE AS DETERMINED BY THE ENGINEER TO MAINTAIN AND SUBSEQUENTLY RESTORE THE DESIGNATED LOCAL DETOUR ROUTE.

ITEM 202, PAVEMENT REMOVED	3872 SQ YD
ITEM 254, PAVEMENT PLANING, ASPHALT CONC	5163 SQ YD
ITEM 301, ASPHALT CONCRETE BASE, PG 64-22	645 CU YD
ITEM 407, NON-TRACKING TACK COAT	497 GAL
ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE I (448) PG 64-22	380 CU YD

CONTRACTOR COORDINATION

THE FOLLOWING PROJECTS WILL BE UNDER CONSTRUCTION DURING CALENDAR YEAR 2023. ALL THREE PROJECTS INCLUDE ROAD CLOSURES. BELOW IS THE LIST OF THE PROJECTS AND THEIR RESPECTIVE LOCATIONS.

MERMILL ROAD BRIDGE (PID 109560)
BRIDGE REPLACEMENT 3 MILES EAST OF WOO-25, 120 DAY CLOSURE (OVER WOLF CREEK NEAR INTERSECTION OF HUFFMAN RD).

SR-281 BRIDGE (PID 105652)
BRIDGE REPLACEMENT 3 MILES WEST OF WOO-25, 60 DAY CLOSURE (OVER MIDDLE BRANCH PORTAGE RIVER NEAR INTERSECTION OF LIBERTY HI RD).

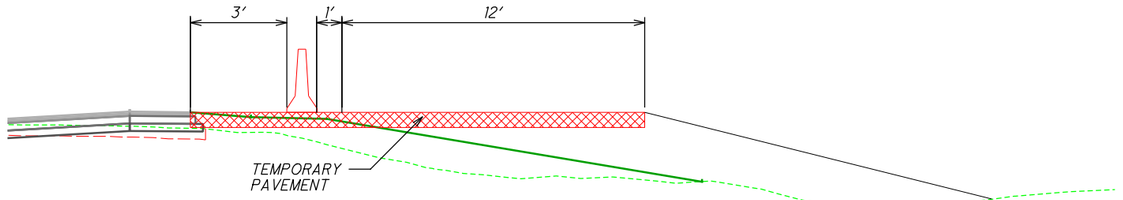
BAYS RD BRIDGE (PID 110342)
BRIDGE REPLACEMENT 0.7 MILES WEST OF WOO-25, 90 DAY CLOSURE (OVER DITCH 2441 IN BETWEEN RUDOLPH RD AND WHITACRE RD).

THE CONTRACTOR SHALL SCHEDULE THE WORK IN SUCH A MANNER THAT THE INTERSECTIONS OF BAYS RD., MERMILL RD., AND SR 281 ARE CLOSED AND COMPLETED IN THE CALENDAR YEAR OF 2022 TO ENSURE THESE INTERSECTIONS ARE NOT CLOSED SIMULTANESOUSLY WITH THE ROAD CLOSURES FOR THE THREE BRIDGE REPLACEMENT PROJECTS MENTIONED ABOVE.

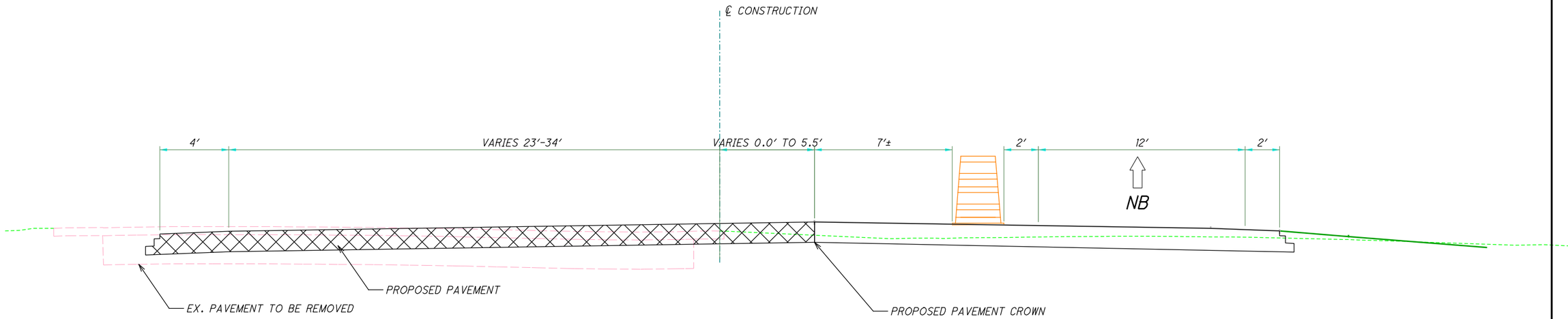
CALCULATED TLM CHECKED JJM

MAINTENANCE OF TRAFFIC GENERAL NOTES

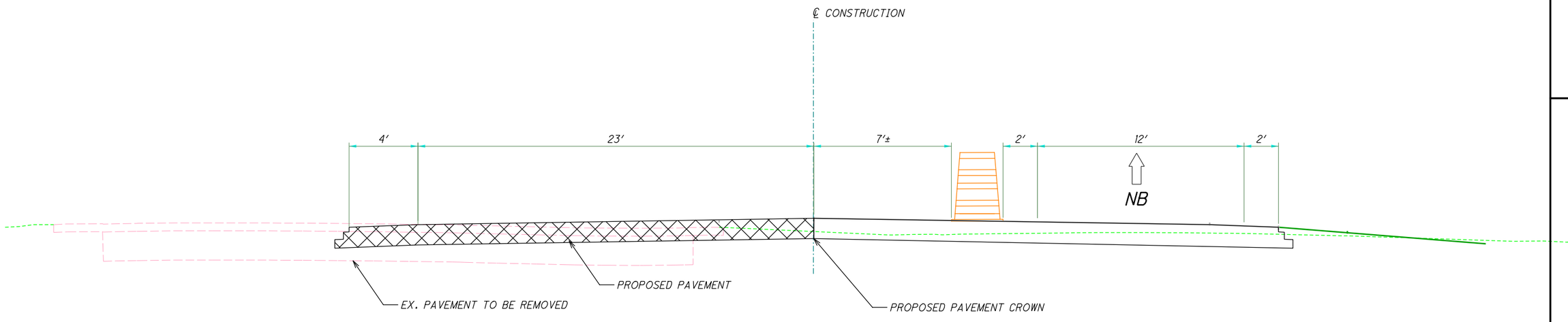
WOO-25-0.75



TEMPORARY PAVEMENT
APPLIES TO: STA. 99+60 TO STA. 105+00



TYPICAL SECTION - PHASE 8B
STA 426+00 TO 432+80



TYPICAL SECTION - PHASE 8B
STA 432+80 TO 453+50

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS

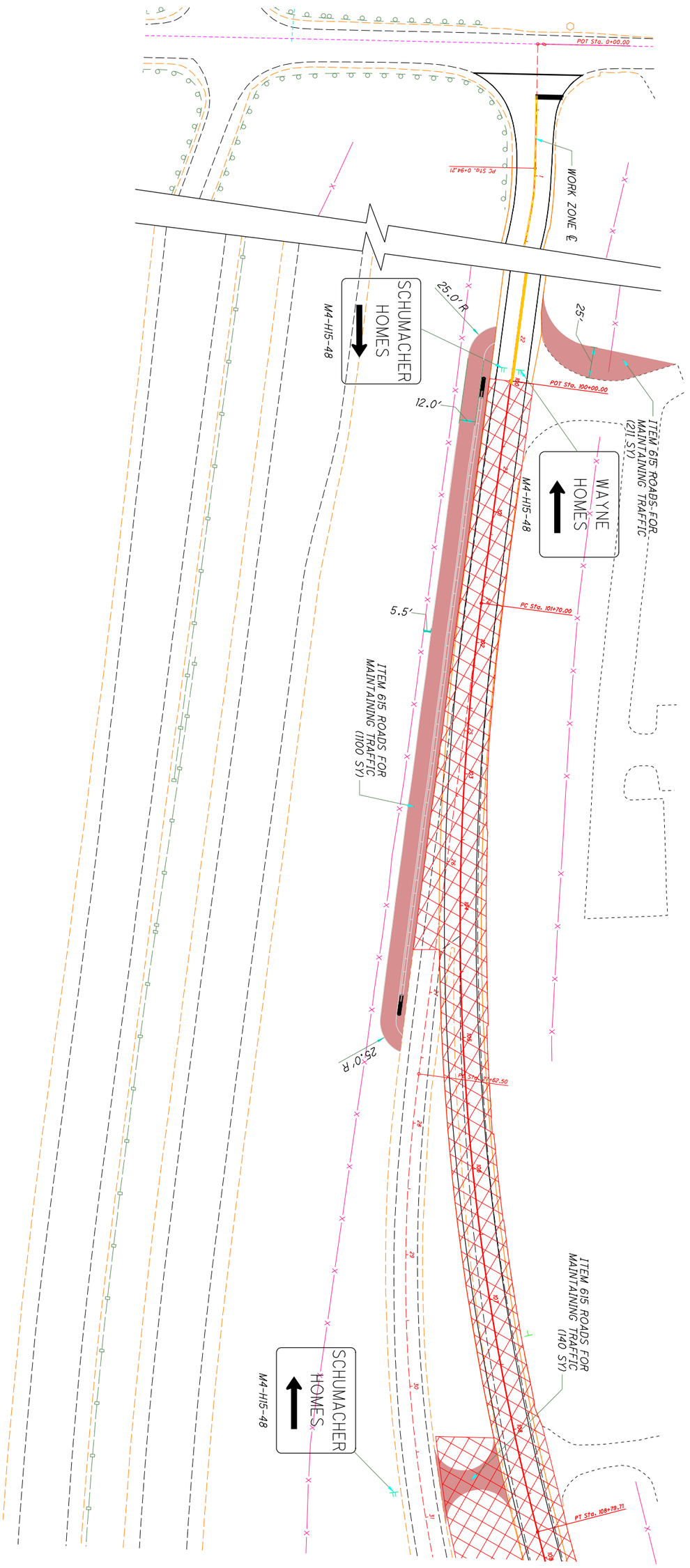
W00-25-0.52

SHEET NO.	DIRECTION	STATION TO STATION			614 WORK ZONE CENTER LINE, CLASS I	614 WORK ZONE EDGE LINE, CLASS I, 6" (WHITE)	614 WORK ZONE EDGE LINE, CLASS I, 6" (YELLOW)	614 WORK ZONE DOTTED LINE, CLASS I	614 BARRIER REFLECTOR, TYPE 5(BIDIRECTIONAL)	614 OBJECT MARKER, TWO WAY(BIDIRECTIONAL)	614 WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	615 ROADS FOR MAINTAINING TRAFFIC	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	622 PORTABLE BARRIER, UNANCHORED
					MILE	MILE	MILE	FT	EACH	EACH	EACH	LS	SY	FT
		PHASE 1												
32	SB/NB	99+60	TO	108+50					10	10	2	LS	1100	460
32	SB/NB	79+07	TO	100+00	0.42									
32	SB/NB	100+00										LS	211	
32	SB	108+50										LS	140	
		PHASE 8A												
33	SB	426+00	TO	453+50		0.52	0.61	450						
		PHASE 8B												
34	SB	426+00	TO	453+50		0.52	0.64	625						
TOTALS CARRIED TO GENERAL SUMMARY					0.42	1.04	1.25	1075	10	10	2	LS	1451	460

CALCULATED TLM
CHECKED JJM

MAINTENANCE OF TRAFFIC SUBSUMMARY

WOO-25-0.75



PROPOSED WORK AREA

W00-25-0.75

MAINTAINANCE OF TRAFFIC PLAN SHEET
PHASE 1

CALCULATED JLE
CHECKED XXX

0 20 40 80
HORIZONTAL SCALE IN FEET

SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
9	22	23	24	26	27	28	31	40	45	01/STR/PV	02/S<2/PV	03/STR/BR	04/S<2/BR						
																		ROADWAY	
										LS				201	11000	LS		CLEARING AND GRUBBING	
						3,872		206,416		158,121	55,426			202	23000	213,547	SY	PAVEMENT REMOVED	
								57,105		46,209	10,896			202	23001	57,105	SY	PAVEMENT REMOVED, AS PER PLAN	
										456				202	30700	456	FT	CONCRETE BARRIER REMOVED	
										6,644	3,627			202	32000	10,271	FT	CURB REMOVED	
										64				202	32500	64	FT	CURB AND GUTTER REMOVED	
										12,286	4,810			202	35100	17,096	FT	PIPE REMOVED, 24" AND UNDER	
										6,621	2,368			202	35200	8,989	FT	PIPE REMOVED, OVER 24"	
										#######				202	38000	2,087.65	FT	GUARDRAIL REMOVED	
										2				202	42010	2	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
										10				202	42040	10	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
										4				202	42050	4	EACH	ANCHOR ASSEMBLY REMOVED, TYPE B	
										14				202	47000	14	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
										2				202	47800	2	EACH	IMPACT ATTENUATOR REMOVED	
										27	3			202	53100	30	EACH	MAILBOX REMOVED	
										12	2			202	58000	14	EACH	MANHOLE REMOVED	
										87	35			202	58100	122	EACH	CATCH BASIN REMOVED	
										10,501	839			SPECIAL	20270000	11,340	FT	FILL AND PLUG EXISTING CONDUIT	
									51,106	41,094	10,012			203	10000	51,106	CY	EXCAVATION	
									130,267	107,401	22,866			203	20000	130,267	CY	EMBANKMENT	
	12,141									12,141				203	35120	12,141	CY	GRANULAR MATERIAL, TYPE C	
										4,866	3,176			204	10000	8,042	SY	SUBGRADE COMPACTION	
	12,141									12,141				204	13000	12,141	CY	EXCAVATION OF SUBGRADE	
								121		89	32			204	45000	121	HOUR	PROOF ROLLING	
	36,423									36,423				204	50000	36,423	SY	GEOTEXTILE FABRIC	
								6,283		4,622	1,661			206	10500	6,283	TON	CEMENT	
								242,820		178,631	64,189			206	11000	242,820	SY	CURING COAT	
								242,820		178,631	64,189			206	15020	242,820	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	
	30									30				206	20000	30	HOUR	TEST ROLLING	
								LS		LS				206	30000	LS		MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS	
										26				209	15000	26	STA	RESHAPING UNDER GUARDRAIL	
								14.4		10.1	4.3			209	60500	14.4	MILE	LINEAR GRADING	
			575							80	495			503	31100	575	CY	ROCK EXCAVATION	
										1,400				606	15050	1,400	FT	GUARDRAIL, TYPE MGS	
										62.5				606	15100	62.5	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
										8				606	26150	8	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016	
										8				606	26550	8	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
										11				606	35002	11	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
										4				606	35140	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4	
										2				606	60028	2	EACH	IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL), 65 MPH, 36 INCH	
										134				622	10061	134	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B, AS PER PLAN	
										240				622	10160	240	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	
										2				622	24841	2	EACH	CONCRETE BARRIER END SECTION, TYPE B, AS PER PLAN	
										2				622	25000	2	EACH	CONCRETE BARRIER END SECTION, TYPE D	
										2				622	25050	2	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	
25										25				623	38500	25	EACH	MONUMENT ASSEMBLY	
										19	3			SPECIAL	69050100	22	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	23
										4				SPECIAL	69050200	4	EACH	MAILBOX SUPPORT SYSTEM, DOUBLE	23
																		EROSION CONTROL	
										125	35			601	21050	160	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
		190.2								190.2				601	32200	190.2	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
				5						5				616	10000	5	MGAL	WATER	
									22,911	18,401	4,510			659	00300	22,911	CY	TOPSOIL	
									206,381	165,768	40,613			659	10000	206,381	SY	SEEDING AND MULCHING	
									31	24	7			659	20000	31	TON	COMMERCIAL FERTILIZER	
									560	448	112			659	35000	560	MGAL	WATER	
										LS				832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
										LS				832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	

CALCULATED XXX CHECKED XXX

GENERAL SUMMARY

WOO-25-0.75

SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
9	22	23	24	26	27	28	31	40	45	01/STR/PV	02/S<2/PV	03/STR/BR	04/S<2/BR						
										LS				832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
										350,000	150,000			832	30000	500,000	EACH	EROSION CONTROL	
																		DRAINAGE	
			6.07							4.16	1.91			602	20000	6.07	CY	CONCRETE MASONRY	
										59,676	21,123			605	14020	80,799	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC, 707.31	
										4,369	1,185			611	00510	5,554	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
	100									100				611	01500	100	FT	6" CONDUIT, TYPE F	
	100									100				611	02600	100	FT	8" CONDUIT, TYPE F	
										3,538	1,049			611	04400	4,587	FT	12" CONDUIT, TYPE B	
										1,583	1,279			611	04600	2,862	FT	12" CONDUIT, TYPE C	
	100									100				611	05200	100	FT	12" CONDUIT, TYPE F	
										339	156			611	05900	495	FT	15" CONDUIT, TYPE B	
										531	1,133			611	06100	1,664	FT	15" CONDUIT, TYPE C	
										129	199			611	07400	328	FT	18" CONDUIT, TYPE B	
										325	269			611	07600	594	FT	18" CONDUIT, TYPE C	
										54	137			611	08900	191	FT	21" CONDUIT, TYPE B	
										531	919			611	09100	1,450	FT	21" CONDUIT, TYPE C	
										503				611	10600	503	FT	24" CONDUIT, TYPE C	
										22	187			611	16400	209	FT	36" CONDUIT, TYPE B	
										643	1,100			611	16600	1,743	FT	36" CONDUIT, TYPE C	
										146	170			611	19400	316	FT	42" CONDUIT, TYPE B	
											980			611	19600	980	FT	42" CONDUIT, TYPE C	
										286				611	20900	286	FT	48" CONDUIT, TYPE B	
										5,546				611	21100	5,546	FT	48" CONDUIT, TYPE C	
										8	5			611	98370	13	EACH	CATCH BASIN, NO. 6	
										25	15			611	98470	40	EACH	CATCH BASIN, NO. 2-2B	
										2				611	98510	2	EACH	CATCH BASIN, NO. 2-3	
											4			611	98540	4	EACH	CATCH BASIN, NO. 2-4	
											3			611	98570	3	EACH	CATCH BASIN, NO. 2-5	
										1	3			611	98630	4	EACH	CATCH BASIN ADJUSTED TO GRADE	
										9	4			611	99574	13	EACH	MANHOLE, NO. 3	
										21				611	99620	21	EACH	MANHOLE, NO. 5	
										1	1			611	99654	2	EACH	MANHOLE ADJUSTED TO GRADE	
										69	20			611	99710	89	EACH	PRECAST REINFORCED CONCRETE OUTLET	
																		PAVEMENT	
		46								46				253	02000	46	CY	PAVEMENT REPAIR	
						5,163		7,938		13,101				254	01000	13,101	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3.25"	
						645				814	32			301	46000	846	CY	ASPHALT CONCRETE BASE, PG64-22, 3.5"	
										123	180			301	46000	303	CY	ASPHALT CONCRETE BASE, PG64-22, 5"	
								32,069		23,567	8,502			302	46001	32,069	CY	ASPHALT CONCRETE BASE, AS PER PLAN, 5"	24
								38,483		28,707	10,475			304	20000	39,182	CY	AGGREGATE BASE, 6"	
										512	340			304	20000	852	CY	AGGREGATE BASE, 8"	
						497		36,200		27,358	9,317	252	123	407	20000	37,050	GAL	NON-TRACKING TACK COAT	
						380				489	68			441	50000	557	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
								10,056		7,401	2,551	70	34	442	10000	10,056	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
								11,732		8,634	2,976	81	41	442	10100	11,732	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	
										64				609	18000	64	FT	COMBINATION CURB AND GUTTER, TYPE 3	
											282			609	26000	282	FT	CURB, TYPE 6	
								938		718	220			617	10100	938	CY	COMPACTED AGGREGATE	
								9,559		7,271	2,229	37	22	875	10000	9,559	LB	LONGITUDINAL JOINT ADHESIVE	
																		TRAFFIC CONTROL	
										1,223	511			621	00100	1,734	EACH	RPM	
										1,223	511			621	54000	1,734	EACH	RAISED PAVEMENT MARKER REMOVED	
										9				626	00102	9	EACH	BARRIER REFLECTOR, TYPE 1, UNIDIRECTIONAL	
										44				626	00116	44	EACH	BARRIER REFLECTOR, TYPE 5, UNIDIRECTIONAL	
										1,608	496			630	03101	2,104	FT	GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN	23
											50			630	07000	50	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18	
											45			630	07600	45	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12	
										32	16			630	08521	48	FT	STREET NAME SIGN SUPPORT, NO. 3 POST, AS PER PLAN	23

CALCULATED XXX
CHECKED XXX

GENERAL SUMMARY

WOO-25-0.75

SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
9	22	23	24	26	27	28	31	40	45	01/STR/PV	02/S<2/PV	03/STR/BR	04/S<2/BR						
										52	12			630	08601	64	EACH	SIGN POST REFLECTOR, AS PER PLAN	23
											4			630	09000	4	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION	
										670	199			630	80100	869	SF	SIGN, FLAT SHEET	
											164			630	80200	164	SF	SIGN, GROUND MOUNTED EXTRUSHEET	
											4			630	84500	4	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	
										4				630	84501	4	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION, AS PER PLAN	23
										210	66			630	84900	276	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
										2	1			630	85100	3	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
											2			630	85400	2	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	
										2				630	86002	2	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL, WOOD POST	
										196	54			630	86003	250	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL, AS PER PLAN	23
											4			630	86102	4	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	
										86				630	97900	86	FT	SIGNING, MISC.:6" X 8" WOOD POST	23
										11.78	6.64			642	00104	18.42	MILE	EDGE LINE, 6", TYPE 1	
										9.84				642	00204	9.84	MILE	LANE LINE, 6", TYPE 1	
										7.12	0.04			642	00300	7.16	MILE	CENTER LINE, TYPE 1	
										2,486	815			642	00404	3,301	FT	CHANNELIZING LINE, 12", TYPE 1	
										396	137			644	00500	533	FT	STOP LINE	
										2,195	1,274			644	00700	3,469	FT	TRANSVERSE/DIAGONAL LINE	
										32	11			644	01300	43	EACH	LANE ARROW	
										1,204				644	01500	1,204	FT	DOTTED LINE, 4"	
																		STRUCTURE REPAIR (SFN: 8701644)	
			61									61		509	10000	61	LB	EPOXY COATED REINFORCING STEEL	
			0.9									0.9		511	45710	0.9	CY	CLASS QC1 CONCRETE, ABUTMENT	
			16									16		510	10000	16	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
								425				425		512	33010	425	SY	TYPE 3 WATERPROOFING	
								400				400		SPECIAL	51631200	400	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		STRUCTURE REPAIR (SFN: 8701709)	
								460				460		SPECIAL	51631200	460	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		STRUCTURE REPAIR (SFN: 8701792)	
								340					340	SPECIAL	51631200	340	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		MAINTENANCE OF TRAFFIC	
					50					50				614	11110	50	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
					20					20				614	12460	20	EACH	WORK ZONE MARKING SIGN	
					5					5				614	12500	5	EACH	REPLACEMENT SIGN	
					5					5				614	12600	5	EACH	REPLACEMENT DRUM	
				1,000						1,000				614	13000	1,000	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
						117				117				614	18601	117	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	28
					30.8					30.8				614	20010	30.8	MILE	WORK ZONE LANE LINE, CLASS I, 6"	
					15.4		0.42			15.82				614	21000	15.82	MILE	WORK ZONE CENTER LINE, CLASS I	
							1.04				1.04			614	22010	1.04	MILE	WORK ZONE EDGE LINE, CLASS I, 6" (WHITE)	
							1.25				1.25			614	22010	1.25	MILE	WORK ZONE EDGE LINE, CLASS I, 6" (YELLOW)	
							1,075				1,075			614	24000	1,075	FT	WORK ZONE DOTTED LINE, CLASS I	
					6,602					6,602				614	23000	6,602	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8"	
					1,170					1,170				614	26000	1,170	FT	WORK ZONE STOP LINE, CLASS I	
					86					86				614	30000	86	EACH	WORK ZONE ARROW, CLASS I	
					3					3				614	40051	3	EACH	BUSINESS ENTRANCE SIGN, AS PER PLAN	27
							2			2				614	12384	2	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
							10			10				614	13318	10	EACH	BARRIER REFLECTOR, TYPE 5, BIDIRECTIONAL	
							10			10				614	13360	10	EACH	OBJECT MARKER, TWO WAY, BIDIRECTIONAL	
										LS				615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
							1,451			1,451				615	25000	1,451	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	
							460			460				622	41100	460	FT	PORTABLE BARRIER, UNANCHORED	
																		INCIDENTALS	
										LS				108	10000	LS		CPM PROGRESS SCHEDULE	
										LS				614	11000	LS		MAINTAINING TRAFFIC	
										16				619	16010	16	MNTH	FIELD OFFICE, TYPE B	
										LS				623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS				624	10000	LS		MOBILIZATION	

CALCULATED XXX
CHECKED XXX

GENERAL SUMMARY

WOO-25-0.75

SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
47	48	49	54	54	58	411	412	413	422	01/STR/PV	02/S<2/PV	03/STR/BR	04/S<2/BR						
																		ROADWAY	
										LS				201	11000	LS		CLEARING AND GRUBBING	
3,259										158,121	55,426			202	23000	213,547	SY	PAVEMENT REMOVED	
										46,209	10,896			202	23001	57,105	SY	PAVEMENT REMOVED, AS PER PLAN	
		456								456				202	30700	456	FT	CONCRETE BARRIER REMOVED	
	10,271									6,644	3,627			202	32000	10,271	FT	CURB REMOVED	
	64									64				202	32500	64	FT	CURB AND GUTTER REMOVED	
					17,096					12,286	4,810			202	35100	17,096	FT	PIPE REMOVED, 24" AND UNDER	
					8,989					6,621	2,368			202	35200	8,989	FT	PIPE REMOVED, OVER 24"	
		2,087.65								2,087.65				202	38000	2,087.65	FT	GUARDRAIL REMOVED	
		2								2				202	42010	2	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
		10								10				202	42040	10	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
		4								4				202	42050	4	EACH	ANCHOR ASSEMBLY REMOVED, TYPE B	
		14								14				202	47000	14	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
		2								2				202	47800	2	EACH	IMPACT ATTENUATOR REMOVED	
30										27	3			202	53100	30	EACH	MAILBOX REMOVED	
					14					12	2			202	58000	14	EACH	MANHOLE REMOVED	
					122					87	35			202	58100	122	EACH	CATCH BASIN REMOVED	
					11,340					10,501	839			SPECIAL	20270000	11,340	FT	FILL AND PLUG EXISTING CONDUIT	
										41,094	10,012			203	10000	51,106	CY	EXCAVATION	
										107,401	22,866			203	20000	130,267	CY	EMBANKMENT	
										12,141				203	35120	12,141	CY	GRANULAR MATERIAL, TYPE C	
8,042										4,866	3,176			204	10000	8,042	SY	SUBGRADE COMPACTION	
										12,141				204	13000	12,141	CY	EXCAVATION OF SUBGRADE	
										89	32			204	45000	121	HOUR	PROOF ROLLING	
										36,423				204	50000	36,423	SY	GEOTEXTILE FABRIC	
										4,622	1,661			206	10500	6,283	TON	CEMENT	
										178,631	64,189			206	11000	242,820	SY	CURING COAT	
										178,631	64,189			206	15020	242,820	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	
										30				206	20000	30	HOUR	TEST ROLLING	
										LS				206	30000	LS		MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS	
		26								26				209	15000	26	STA	RESHAPING UNDER GUARDRAIL	
										10.1	4.3			209	60500	14.4	MILE	LINEAR GRADING	
										80	495			503	31100	575	CY	ROCK EXCAVATION	
		1,400								1,400				606	15050	1,400	FT	GUARDRAIL, TYPE MGS	
		62.5								62.5				606	15100	62.5	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
		8								8				606	26150	8	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016	
		8								8				606	26550	8	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
		11								11				606	35002	11	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
		4								4				606	35140	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4	
		2								2				606	60028	2	EACH	IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL), 65 MPH, 36 INCH	
		134								134				622	10061	134	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B, AS PER PLAN	
		240								240				622	10160	240	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	
		2								2				622	24841	2	EACH	CONCRETE BARRIER END SECTION, TYPE B, AS PER PLAN	
		2								2				622	25000	2	EACH	CONCRETE BARRIER END SECTION, TYPE D	
		2								2				622	25050	2	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	
										25				623	38500	25	EACH	MONUMENT ASSEMBLY	
22										19	3			SPECIAL	69050100	22	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	23
4										4				SPECIAL	69050200	4	EACH	MAILBOX SUPPORT SYSTEM, DOUBLE	23
																		EROSION CONTROL	
			160	160						125	35			601	21050	160	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
										190,2				601	32200	190,2	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
										5				616	10000	5	MGAL	WATER	
										18,401	4,510			659	00300	22,911	CY	TOPSOIL	
										165,768	40,613			659	10000	206,381	SY	SEEDING AND MULCHING	
										24	7			659	20000	31	TON	COMMERCIAL FERTILIZER	
										448	112			659	35000	560	MGAL	WATER	
										LS				832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
										LS				832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	

CALCULATED XXX CHECKED XXX

GENERAL SUMMARY

WOO-25-0.75

SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
47	48	49	54	54	58	411	412	413	422	01/STR/PV	02/S<2/PV	03/STR/BR	04/S<2/BR						
										LS				832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
										350,000	150,000			832	30000	500,000	EACH	EROSION CONTROL	
																		DRAINAGE	
										4.16	1.91			602	20000	6.07	CY	CONCRETE MASONRY	
			80,799	80,799						59,676	21,123			605	14020	80,799	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC, 707.31	
			5,554	5,554						4,369	1,185			611	00510	5,554	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
										100				611	01500	100	FT	6" CONDUIT, TYPE F	
										100				611	02600	100	FT	8" CONDUIT, TYPE F	
					4,587					3,538	1,049			611	04400	4,587	FT	12" CONDUIT, TYPE B	
					2,862					1,583	1,279			611	04600	2,862	FT	12" CONDUIT, TYPE C	
										100				611	05200	100	FT	12" CONDUIT, TYPE F	
					495					339	156			611	05900	495	FT	15" CONDUIT, TYPE B	
					1,664					531	1,133			611	06100	1,664	FT	15" CONDUIT, TYPE C	
					328					129	199			611	07400	328	FT	18" CONDUIT, TYPE B	
					594					325	269			611	07600	594	FT	18" CONDUIT, TYPE C	
					191					54	137			611	08900	191	FT	21" CONDUIT, TYPE B	
					1,450					531	919			611	09100	1,450	FT	21" CONDUIT, TYPE C	
					503					503				611	10600	503	FT	24" CONDUIT, TYPE C	
					209					22	187			611	16400	209	FT	36" CONDUIT, TYPE B	
					1,743					643	1,100			611	16600	1,743	FT	36" CONDUIT, TYPE C	
					316					146	170			611	19400	316	FT	42" CONDUIT, TYPE B	
					980						980			611	19600	980	FT	42" CONDUIT, TYPE C	
					286					286				611	20900	286	FT	48" CONDUIT, TYPE B	
					5,546					5,546				611	21100	5,546	FT	48" CONDUIT, TYPE C	
					13					8	5			611	98370	13	EACH	CATCH BASIN, NO. 6	
					40					25	15			611	98470	40	EACH	CATCH BASIN, NO. 2-2B	
					2					2				611	98510	2	EACH	CATCH BASIN, NO. 2-3	
					4						4			611	98540	4	EACH	CATCH BASIN, NO. 2-4	
					3						3			611	98570	3	EACH	CATCH BASIN, NO. 2-5	
					4					1	3			611	98630	4	EACH	CATCH BASIN ADJUSTED TO GRADE	
					13					9	4			611	99574	13	EACH	MANHOLE, NO. 3	
					21					21				611	99620	21	EACH	MANHOLE, NO. 5	
					2					1	1			611	99654	2	EACH	MANHOLE ADJUSTED TO GRADE	
			89	89						69	20			611	99710	89	EACH	PRECAST REINFORCED CONCRETE OUTLET	
																		PAVEMENT	
										46				253	02000	46	CY	PAVEMENT REPAIR	
										13,101				254	01000	13,101	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3.25"	
201										814	32			301	46000	846	CY	ASPHALT CONCRETE BASE, PG64-22, 3.5"	
303										123	180			301	46000	303	CY	ASPHALT CONCRETE BASE, PG64-22, 5"	
										23,567	8,502			302	46001	32,069	CY	ASPHALT CONCRETE BASE, AS PER PLAN, 5"	24
699										28,707	10,475			304	20000	39,182	CY	AGGREGATE BASE, 6"	
852										512	340			304	20000	852	CY	AGGREGATE BASE, 8"	
353										27,358	9,317	252	123	407	20000	37,050	GAL	NON-TRACKING TACK COAT	
177										489	68			441	50000	557	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
										7,401	2,551	70	34	442	10000	10,056	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
										8,634	2,976	81	41	442	10100	11,732	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	
	64									64				609	18000	64	FT	COMBINATION CURB AND GUTTER, TYPE 3	
	282										282			609	26000	282	FT	CURB, TYPE 6	
										718	220			617	10100	938	CY	COMPACTED AGGREGATE	
										7,271	2,229	37	22	875	10000	9,559	LB	LONGITUDINAL JOINT ADHESIVE	
																		TRAFFIC CONTROL	
						1,100	123	511		1,223	511			621	00100	1,734	EACH	RPM	
						1,100	123	511		1,223	511			621	54000	1,734	EACH	RAISED PAVEMENT MARKER REMOVED	
		9								9				626	00102	9	EACH	BARRIER REFLECTOR, TYPE 1, UNIDIRECTIONAL	
		44								44				626	00116	44	EACH	BARRIER REFLECTOR, TYPE 5, UNIDIRECTIONAL	
									2,104	1,608	496			630	03101	2,104	FT	GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN	23
									50		50			630	07000	50	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18	
									45		45			630	07600	45	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12	
									48	32	16			630	08521	48	FT	STREET NAME SIGN SUPPORT, NO. 3 POST, AS PER PLAN	23

CALCULATED XXX
CHECKED XXX

GENERAL SUMMARY

WOO-25-0.75

SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
47	48	49	54	54	58	411	412	413	422	01/STR/PV	02/S<2/PV	03/STR/BR	04/S<2/BR						
									64	52	12			630	08601	64	EACH	SIGN POST REFLECTOR, AS PER PLAN	23
									4		4			630	09000	4	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION	
									869	670	199			630	80100	869	SF	SIGN, FLAT SHEET	
									164		164			630	80200	164	SF	SIGN, GROUND MOUNTED EXTRUSHEET	
									4		4			630	84500	4	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	
									4	4				630	84501	4	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION, AS PER PLAN	23
									276	210	66			630	84900	276	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
									3	2	1			630	85100	3	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
									2		2			630	85400	2	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	
									2	2				630	86002	2	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL, WOOD POST	
									250	196	54			630	86003	250	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL, AS PER PLAN	23
									4		4			630	86102	4	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	
									86	86				630	97900	86	FT	SIGNING, MISC.:6" X 8" WOOD POST	23
						11.78		6.64		11.78	6.64			642	00104	18.42	MILE	EDGE LINE, 6", TYPE 1	
						9.84				9.84				642	00204	9.84	MILE	LANE LINE, 6", TYPE 1	
						6.23	0.89	0.04		7.12	0.04			642	00300	7.16	MILE	CENTER LINE, TYPE 1	
						553	1,933	815		2,486	815			642	00404	3,301	FT	CHANNELIZING LINE, 12", TYPE 1	
						184	212	137		396	137			644	00500	533	FT	STOP LINE	
						323	1,872	1,274		2,195	1,274			644	00700	3,469	FT	TRANSVERSE/DIAGONAL LINE	
						9	23	11		32	11			644	01300	43	EACH	LANE ARROW	
						1,204				1,204				644	01500	1,204	FT	DOTTED LINE, 4"	
																		STRUCTURE REPAIR (SFN: 8701644)	
												61		509	10000	61	LB	EPOXY COATED REINFORCING STEEL	
												0.9		511	45710	0.9	CY	CLASS QC1 CONCRETE, ABUTMENT	
												16		510	10000	16	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
												425		512	33010	425	SY	TYPE 3 WATERPROOFING	
												400		SPECIAL	51631200	400	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		STRUCTURE REPAIR (SFN: 8701709)	
												460		SPECIAL	51631200	460	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		STRUCTURE REPAIR (SFN: 8701792)	
													340	SPECIAL	51631200	340	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		MAINTENANCE OF TRAFFIC	
										50				614	11110	50	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
										20				614	12460	20	EACH	WORK ZONE MARKING SIGN	
										5				614	12500	5	EACH	REPLACEMENT SIGN	
										5				614	12600	5	EACH	REPLACEMENT DRUM	
										1,000				614	13000	1,000	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
										117				614	18601	117	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	28
										30.8				614	20010	30.8	MILE	WORK ZONE LANE LINE, CLASS I, 6"	
										15.82				614	21000	15.82	MILE	WORK ZONE CENTER LINE, CLASS I	
											1.04			614	22010	1.04	MILE	WORK ZONE EDGE LINE, CLASS I, 6" (WHITE)	
											1.25			614	22010	1.25	MILE	WORK ZONE EDGE LINE, CLASS I, 6" (YELLOW)	
											1,075			614	24000	1,075	FT	WORK ZONE DOTTED LINE, CLASS I	
										6,602				614	23000	6,602	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8"	
										1,170				614	26000	1,170	FT	WORK ZONE STOP LINE, CLASS I	
										86				614	30000	86	EACH	WORK ZONE ARROW, CLASS I	
										3				614	40051	3	EACH	BUSINESS ENTRANCE SIGN, AS PER PLAN	27
										2				614	12384	2	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
										10				614	13318	10	EACH	BARRIER REFLECTOR, TYPE 5, BIDIRECTIONAL	
										10				614	13360	10	EACH	OBJECT MARKER, TWO WAY, BIDIRECTIONAL	
										LS				615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
										1,451				615	25000	1,451	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	
										460				622	41100	460	FT	PORTABLE BARRIER, UNANCHORED	
																		INCIDENTALS	
										LS				108	10000	LS		CPM PROGRESS SCHEDULE	
										LS				614	11000	LS		MAINTAINING TRAFFIC	
										16				619	16010	16	MNTH	FIELD OFFICE, TYPE B	
										LS				623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS				624	10000	LS		MOBILIZATION	

CALCULATED XXX
CHECKED XXX

GENERAL SUMMARY

WOO-25-0.75

38B
465

STATION RANGE			SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	202 PAVEMENT REMOVED	202 PAVEMENT REMOVED, AS PER PLAN	204 PROOF ROLLING	206 CEMENT	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	209 LINEAR GRADING	254 PAVEMENT PLANING, ASPHALT CONCRETE, 3.25"	442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	442 ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	407 NON-TRACKING TACK COATSURFACE COURSE (0.06 GAL/SY)	407 NON-TRACKING TACK COATINTERMEDIATE COURSE (0.09 GAL/SY)	617 COMPACTED AGGREGATE	875 LONGITUDINAL JOINT ADHESIVE	302 ASPHALT CONCRETE BASE, PG64-22, 5"	304 AGGREGATE BASE, 6"	206 MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS	512 TYPE 3 WATERPROOFING	SPECIAL SAWING AND SEALING BITUMINOUS CONCRETE JOINTS
				FT	FT	SY	SY	SY	SY	HOUR	TON	SY	SY	MILE	SY	CY	CY	GAL	GAL	CY	LB	CY	CY	LS	SY	FT
CL SURVEY																										
0+00.00	TO	6+00.00		600.00	32.00	2133.33								0.23	2133.33	88.89	103.70	128.00	192.00	14.81	150.00					
6+00.00	TO	12+00.00		600.00	32.00	2133.33								0.23	2133.33	88.89	103.70	128.00	192.00	14.81	150.00					
12+00.00	TO	22+32.56		1032.56	32.00	3671.32								0.39	3671.32	152.97	178.47	220.28	330.42	25.50	258.14					
CL CONSTRUCTION																										
100+00.00	TO	105+00.00		500.00	32.00	1777.78			2205.00	0.97	50.31	1944.44	1944.44	0.19		74.07	86.42	106.67	160.00	12.35	125.00	246.91	296.30			
105+00.00	TO	110+00.00		500.00	32.00	1777.78		76.00	3377.00	0.97	50.31	1944.44	1944.44	0.19		74.07	86.42	106.67	160.00	12.35	125.00	246.91	296.30			
110+00.00	TO	115+00.00		500.00			1931.00	1526.00	2731.00	1.05	54.28	2097.67	2097.67	0.19		80.46	93.87	115.86	173.79	12.35	125.00	268.19	321.83			
115+00.00	TO	120+00.00		500.00			2300.00	1522.00	2673.00	1.23	63.83	2466.67	2466.67	0.19		95.83	111.81	138.00	207.00	12.35	125.00	319.44	383.33			
120+00.00	TO	125+00.00		500.00			2403.00	1519.00	2814.00	1.28	66.49	2569.67	2569.67	0.19		100.13	116.81	144.18	216.27	12.35	125.00	333.75	400.50			
125+00.00	TO	130+00.00		500.00			2828.00	1536.00	2731.00	1.50	77.49	2994.67	2994.67	0.19		117.83	137.47	169.68	254.52	12.35	125.00	392.78	471.33			
130+00.00	TO	135+00.00		500.00			3604.00	2777.00	885.00	1.89	97.57	3770.67	3770.67	0.19		150.17	175.19	216.24	324.36	12.35	125.00	500.56	600.67			
135+00.00	TO	140+00.00		500.00			3502.00	2733.00	611.00	1.83	94.93	3668.67	3668.67	0.19		145.92	170.24	210.12	315.18	12.35	125.00	486.39	583.67			
140+00.00	TO	145+00.00		500.00			3092.00	3092.00	611.00	1.63	84.32	3258.67	3258.67	0.19		128.83	150.31	185.52	278.28	12.35	125.00	429.44	515.33			
145+00.00	TO	150+00.00		500.00			3000.00	3000.00	611.00	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
150+00.00	TO	155+00.00		500.00			3000.00	3000.00	611.00	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
155+00.00	TO	160+00.00		500.00			3000.00	3000.00	611.00	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
160+00.00	TO	165+00.00		500.00			3000.00	3000.00	611.00	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
165+00.00	TO	170+00.00		500.00			3000.00	3000.00	611.00	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
170+00.00	TO	175+00.00		500.00			3011.00	3011.00	611.00	1.59	82.22	3177.67	3177.67	0.19		125.46	146.37	180.66	270.99	12.35	125.00	418.19	501.83			
175+00.00	TO	180+00.00		500.00			3000.00	3000.00	611.00	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
180+00.00	TO	185+00.00		500.00			3000.00	3000.00	611.00	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
185+00.00	TO	190+00.00		500.00			3000.00	3000.00	611.00	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
190+00.00	TO	195+00.00		500.00			2999.00	2999.00	611.00	1.58	81.91	3165.67	3165.67	0.19		124.96	145.78	179.94	269.91	12.35	125.00	416.53	499.83			
195+00.00	TO	200+00.00		500.00			3001.00	3001.00	611.00	1.58	81.96	3167.67	3167.67	0.19		125.04	145.88	180.06	270.09	12.35	125.00	416.81	500.17			
200+00.00	TO	205+00.00		500.00			3000.00	3000.00	611.00	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
205+00.00	TO	210+00.00		500.00			2993.00	2993.00	611.00	1.58	81.76	3159.67	3159.67	0.19		124.71	145.49	179.58	269.37	12.35	125.00	415.69	498.83			
210+00.00	TO	215+00.00		500.00			3000.00	3000.00	611.00	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
215+00.00	TO	220+00.00		500.00			3000.00	3000.00	611.00	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
220+00.00	TO	225+00.00		500.00			3000.00	3000.00	611.00	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
225+00.00	TO	230+00.00		500.00			3006.00	3006.00	611.00	1.59	82.09	3172.67	3172.67	0.19		125.25	146.13	180.36	270.54	12.35	125.00	417.50	501.00			
230+00.00	TO	235+00.00		500.00			3424.00	3424.00	611.00	1.80	92.91	3590.67	3590.67	0.19		142.67	166.44	205.44	308.16	12.35	125.00	475.56	570.67			
235+00.00	TO	240+00.00		500.00			3710.00	3710.00	611.00	1.94	100.31	3876.67	3876.67	0.19		154.58	180.35	222.60	333.90	12.35	125.00	515.28	618.33			
240+00.00	TO	241+83.96		183.96			1736.00	1736.00	225.00	0.90	46.51	1797.32	1797.32	0.07		72.33	84.39	104.16	156.24	4.54	45.99	241.11	289.33			
WOO-25-0386																										
241+83.96		242+24.41		40.45			450.00									18.75	21.88	27.00	40.50		10.11				425.00	400.00
242+24.41		245+00.00		275.59			2526.00	1576.19	591.81	1.31	67.74	2617.86	2617.86	0.10		105.25	122.79	151.56	227.34	6.80	68.90	350.83	421.00			
245+00.00	TO	250+00.00		500.00			3467.00	2806.89	611.11	1.82	94.02	3633.67	3633.67	0.19		144.46	168.53	208.02	312.03	12.35	125.00	481.53	577.83			
250+00.00	TO	255+00.00		500.00			3000.00	2884.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
255+00.00	TO	260+00.00		500.00			3000.00	2890.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
260+00.00	TO	265+00.00		500.00			3000.00	2872.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
265+00.00	TO	270+00.00		500.00			3000.00	2818.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
270+00.00	TO	275+00.00		500.00			3000.00	2898.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
275+00.00	TO	280+00.00		500.00			2997.00	2822.89	611.11	1.58	81.86	3163.67	3163.67	0.19		124.88	145.69	179.82	269.73	12.35	125.00	416.25	499.50			
280+00.00	TO	285+00.00		500.00			3066.00	2831.89	611.11	1.62	83.65	3232.67	3232.67	0.19		127.75	149.04	183.96	275.94	12.35	125.00	425.83	511.00			
285+00.00	TO	290+00.00		500.00			3548.00	2927.89	611.11	1.86	96.12	3714.67	3714.67	0.19		147.83	172.47	212.88	319.32	12.35	125.00	492.78	591.33			
290+00.00	TO	294+07.05		407.05			3306.00	2569.49	497.51	1.72	89.05	3441.68	3441.68	0.15		137.75	160.71	198.36	297.54	10.05	101.76	459.17	551.00			
WOO-25-0485																										
294+07.05		295+15.79		108.74			1225.00									51.04	59.55	73.50	110.25		27.19					460.00
295+15.79	TO	300+00.00		484.21			3787.00	2811.19	591.81	1.97	102.16	3948.40	3948.40	0.18		157.79	184.09	227.22	340.83	11.96	121.05	525.97	631.17			
300+00.00	TO	305+00.00		500.00			3000.00	2895.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
305+00.00	TO	310+00.00		500.00			3000.00	2884.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
310+00.00	TO	315+00.00		500.00			3000.00	3100.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
315+00.00	TO	320+00.00		500.00			3000.00	2804.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
320+00.00	TO	325+00.00		500.00			3000.00	2798.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
325+00.00	TO	330+00.00		500.00			3000.00	2899.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
330+00.00	TO	335+00.00		500.00			3035.00	2763.89	611.11	1.60	82.84	3201.67	3201.67	0.19		126.46	147.53	182.10	273.15	12.35	125.00	421.53	505.83			
335+00.00	TO	340+00.00		500.00			3672.00	2910.89	611.11	1.92	99.33	3838.67	3838.67	0.19		153.00	178.50	220.32	330.48	12.35	125.00	510.00	612.00			
TOTALS CARRIED TO SHEET 40								130434	42542	77	3971	153450	153450	9.9	7938	6463	7540	9307	13960	644	6558	20208	24250	LS	425	860

CALCULATED XXX
CHECKED XXX

PAVEMENT SUBSUMMARY

WOO-25-0.75

STATION RANGE			SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	202 PAVEMENT REMOVED	202 PAVEMENT REMOVED, AS PER PLAN	204 PROOF ROLLING	206 CEMENT	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	209 LINEAR GRADING	254 PAVEMENT PLANING, ASPHALT CONCRETE, 3.25"	442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	442 ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	407 NON-TRACKING TACK COATSURFACE COURSE (0.06 GAL/SY)	407 NON-TRACKING TACK COATINTERMEDIATE COURSE (0.09 GAL/SY)	617 COMPACTED AGGREGATE	875 LONGITUDINAL JOINT ADHESIVE	302 ASPHALT CONCRETE BASE, PG64-22, 5"	304 AGGREGATE BASE, 6"	206 MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS	512 TYPE 3 WATERPROOFING	SPECIAL L STEEL EXPANSION JOINT
				FT	FT	SY	SY	SY	SY	HOUR	TON	SY	SY	MILE	SY	CY	CY	GAL	GAL	CY	LB	CY	CY	LS	SY	FT
340+00.00	TO	345+00.00		500.00			4081.00	3654.89	611.11	2.12	109.91	4247.67	4247.67	0.19		170.04	198.38	244.86	367.29	12.35	125.00	566.81	680.17			
345+00.00	TO	350+00.00		500.00			3903.00	3208.89	611.11	2.03	105.30	4069.67	4069.67	0.19		162.63	189.73	234.18	351.27	12.35	125.00	542.08	650.50			
350+00.00	TO	355+00.00		500.00			3273.00	2864.89	611.11	1.72	89.00	3439.67	3439.67	0.19		136.38	159.10	196.38	294.57	12.35	125.00	454.58	545.50			
355+00.00	TO	360+00.00		500.00			3000.00	2799.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
360+00.00	TO	365+00.00		500.00			3000.00	2787.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
365+00.00	TO	370+00.00		500.00			3000.00	2870.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
370+00.00	TO	375+79.49		579.49			3985.00	3808.73	708.27	2.09	108.11	4178.16	4178.16	0.22		166.04	193.72	239.10	358.65	14.31	144.87	553.47	664.17			
WOO-25-0619																										
375+79.49		376+69.01		89.52			825.00									34.38	40.10	49.50	74.25		22.38					340.00
376+69.01	TO	380+00.00		330.99			2498.00	2134.46	404.54	1.30	67.49	2608.33	2608.33	0.13		104.08	121.43	149.88	224.82	8.17	82.75	346.94	416.33			
380+00.00	TO	385+00.00		500.00			3049.00	2834.89	611.11	1.61	83.21	3215.67	3215.67	0.19		127.04	148.22	182.94	274.41	12.35	125.00	423.47	508.17			
385+00.00	TO	388+60.36		360.36			2191.00	1880.56	440.44	1.16	59.80	2311.12	2311.12	0.14		91.29	106.51	131.46	197.19	8.90	90.09	304.31	365.17			
SUSPEND FULL DEPTH														0.00												
RESUME FULL DEPTH																										
412+75.26	TO	415+00.00		224.74			1349.00	1085.32	274.68	0.71	36.84	1423.91	1423.91	0.09		56.21	65.58	80.94	121.41	5.55	56.18	187.36	224.83			
415+00.00	TO	420+00.00		500.00			3031.00	2650.89	611.11	1.60	82.74	3197.67	3197.67	0.19		126.29	147.34	181.86	272.79	12.35	125.00	420.97	505.17			
420+00.00	TO	425+00.00		500.00			3537.00	3018.89	611.11	1.85	95.83	3703.67	3703.67	0.19		147.38	171.94	212.22	318.33	12.35	125.00	491.25	589.50			
425+00.00	TO	430+00.00		500.00			3577.00	3104.89	611.11	1.87	96.87	3743.67	3743.67	0.19		149.04	173.88	214.62	321.93	12.35	125.00	496.81	596.17			
430+00.00	TO	435+00.00		500.00			3145.00	2938.89	611.11	1.66	85.69	3311.67	3311.67	0.19		131.04	152.88	188.70	283.05	12.35	125.00	436.81	524.17			
435+00.00	TO	440+00.00		500.00			2998.00	2769.89	611.11	1.58	81.89	3164.67	3164.67	0.19		124.92	145.74	179.88	269.82	12.35	125.00	416.39	499.67			
440+00.00	TO	445+00.00		500.00			3000.00	2806.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
445+00.00	TO	450+00.00		500.00			2998.00	2883.89	611.11	1.58	81.89	3164.67	3164.67	0.19		124.92	145.74	179.88	269.82	12.35	125.00	416.39	499.67			
450+00.00	TO	455+00.00		500.00			2888.00	2852.89	611.11	1.53	79.04	3054.67	3054.67	0.19		120.33	140.39	173.28	259.92	12.35	125.00	401.11	481.33			
455+00.00	TO	460+00.00		500.00			2998.00	2814.89	611.11	1.58	81.89	3164.67	3164.67	0.19		124.92	145.74	179.88	269.82	12.35	125.00	416.39	499.67			
460+00.00	TO	465+00.00		500.00			3000.00	2753.89	611.11	1.58	81.94	3166.67	3166.67	0.19		125.00	145.83	180.00	270.00	12.35	125.00	416.67	500.00			
465+00.00	TO	470+00.00		500.00			3205.00	2913.89	611.11	1.69	87.24	3371.67	3371.67	0.19		133.54	155.80	192.30	288.45	12.35	125.00	445.14	534.17			
470+00.00	TO	475+00.00		500.00			4106.00	3101.89	611.11	2.14	110.56	4272.67	4272.67	0.19		171.08	199.60	246.36	369.54	12.35	125.00	570.28	684.33			
475+00.00	TO	480+00.00		500.00			5002.00	3367.89	611.11	2.58	133.74	5168.67	5168.67	0.19		208.42	243.15	300.12	450.18	12.35	125.00	694.72	833.67			
480+00.00	TO	484+19.45		419.45			2693.00	2180.34	512.66	1.42	73.30	2832.82	2832.82	0.16		112.21	130.91	161.58	242.37	10.36	104.86	374.03	448.83			
	TO																									
	TO																									
INTERSECTIONS																										
JERRY CITY RD							877.00	877.00		0.44	22.69	877.00	877.00			36.54	42.63	52.62	78.93			121.81	146.17			
BAYS RD							690.00	690.00		0.35	17.85	690.00	690.00			28.75	33.54	41.40	62.10			95.83	115.00			
MUNGEN RD							185.00	185.00		0.09	4.79	185.00	185.00			7.71	8.99	11.10	16.65			25.69	30.83			
DEFIANCE PIKE							764.00	764.00		0.38	19.77	764.00	764.00			31.83	37.14	45.84	68.76			106.11	127.33			
MERMILL RD							751.00	751.00		0.38	19.43	751.00	751.00			31.29	36.51	45.06	67.59			104.31	125.17			
GREENSBURG PIKE							657.00	657.00		0.33	17.00	657.00	657.00			27.38	31.94	39.42	59.13			91.25	109.50			
POWELL RD							120.00	120.00		0.06	3.11	120.00	120.00			5.00	5.83	7.20	10.80			16.67	20.00			
KRAMER RD							751.00	751.00		0.38	19.43	751.00	751.00			31.29	36.51	45.06	67.59			104.31	125.17			
EASTBOUND US T6 RAMPS							502.00	502.00		0.25	12.99	502.00	502.00			20.92	24.40	30.12	45.18			69.72	83.67			
WESTBOUND US 6 RAMPS							594.00	594.00		0.30	15.37	594.00	594.00			24.75	28.88	35.64	53.46			82.50	99.00			
TOTALS CARRIED FROM THIS SHEET								75982	14563	45	2312	89370	89370	4.5		3593	4191	5173	7760	294	3001	11861	14233			340
TOTALS CARRIED FROM SHEET 39								130434	42542	77	3971	153450	153450	9.9	7938	6463	7540	9307	13960	644	6558	20208	24250	LS	425	860
TOTALS CARRIED TO GENERAL SUMMARY								206416	57105	121	6283	242820	242820	14.4	7938	10056	11732	14480	21720	938	9559	32069	38483	LS	425	1200

CALCULATED XXX
CHECKED XXX

PAVEMENT SUBSUMMARY

WOO-25-0.75

REFERENCE NO.	SHEET NO.	STATION	SIDE	DRIVE TYPE	APRON LENGTH "L1"	DRIVEWAY LENGTH "L2"	WIDTH "W"	CADD GENERATED AREA (SQ. FT.)	RADIUS R1 (LEFT SIDE OF DRIVE LOOKING FROM CL)	RADIUS R2 (RIGHT SIDE OF DRIVE LOOKING FROM CL)	202 PAVEMENT REMOVED	202 MAILBOX REMOVED	204 SUBGRADE COMPACTION	301 ASPHALT CONCRETE BASE, PG64-22, 3.5"	301 ASPHALT CONCRETE BASE, PG64-22, 5"	304 AGGREGATE BASE, 6"	304 AGGREGATE BASE, 8"	407 NON-TRACKING TACK COAT	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, 1.5"	SPECIAL MAILBOX SUPPORT SYSTEM, SINGLE	SPECIAL MAILBOX SUPPORT SYSTEM, DOUBLE
									FT	FT	SY	EACH	SY	CY	CY	CY	CY	GAL	CY	EACH	EACH
DW-1	67	108+30	LT	COMM.	87.5	71	18.00	2170.00	50.00	50.00	24		241		33.49	40.19		20.01	10.05		
DW-1A	72	134+74	RT	RES.	33.8	33.7	19.1	594	10	25			66				14.65				
DW-2	76	151+31	LT	RES.	39.6	39.8	13.3	648	25	25		1	72				15.98			1	
DW-3	76	154+01	RT	RES.	44.5	41.8	18.2	852	25	25			95				21.02				
DW-4	77	157+75	LT	RES.	50.7	44.3	24.4	1128	25	25			125				27.82				
DW-5	77	158+55	LT	RES.	42.7	44.3	16.5	897	25	25		1	100				22.13			1	
DW-6	79	167+03	LT	RES.	42.5	48.3	16.2	947	25	25		2	105	10.23		17.54		8.73	4.38		1
DW-7	79	167+03	RT	RES.	34.9	41.8	8.7	495	25	25			55				12.21				
DW-8	82	181+13	RT	RES.	35.1	36.7	8.8	490	25	25			54				12.09				
DW-9	82	181+27	LT	RES.	40.4	27.6	14.2	550	25	25	32	1	61	5.94			13.57	5.07	2.55	1	
DW-10	83	188+78	RT	RES.	38.3	35.1	12.0	588	25	25		1	65				14.50			1	
DW-11	84	191+78	RT	RES.	56.9	34.8	30.7	1081	25	25		1	120				26.66			1	
DW-12	84	192+93	RT	RES.	39.0	34.6	12.7	606	25	25		1	67				14.95			1	
DW-13	85	196+77	RT	RES.	59.0	31.5	32.7	1105	25	25	82	1	123	11.94		20.47		10.19	5.12	1	
DW-14	86	200+62	RT	RES.	44.2	30.3	17.9	706	25	25	31	1	78	7.63		13.08		6.51	3.27	1	
DW-15	86	200+67	LT	RES.	38.3	45.8	12.0	716	25	25	38	1	80	7.73		13.26		6.60	3.31	1	
DW-16	86	204+29	RT	RES.	43.7	30.0	17.4	674	25	25	36		75	7.28		12.48		6.22	3.12		
DW-17	87	205+86	LT	RES.	42.7	47.3	16.4	863	25	25	72	1	96	9.32		15.98		7.96	4.00	1	
DW-18	87	207+18	RT	RES.	45.8	29.7	19.5	745	25	25	39		83	8.05		13.80		6.87	3.45		
DW-19	88	211+00	LT	RES.	54.8	45.5	28.6	1403	25	25		3	156				34.61			1	1
DW-20	90	221+63	LT	COMM.	72.4	46.2	46.2	2151	25	25	181	1	239		33.19	39.84		19.84	9.96	1	
DW-21	90	221+83	RT	COMM.	58.2	34.9	32	1080	25	25	103		120		16.67	20.00		9.96	5.00		
DW-22	90	224+04	RT	COMM.	37.8	35.6	11.5	562	25	25	48	1	62		8.67	10.41		5.18	2.60	1	
DW-23	90	224+99	RT	COMM.	36.4	31.3	11.0	571	25	25	47		63		8.81	10.58		5.27	2.64		
DW-24	95	246+10	LT	FIELD	40.6	43.4	14.2	733	25	25			81				18.08				
DW-25	95	246+10	RT	FIELD	38.4	32.4	12.1	537	25	25			60				13.25				
DW-26	96	253+31	LT	RES.	36.1	49.1	9.8	624	25	25	38		69	6.74		11.56		5.75	2.89		
DW-27A	97	256+85	LT	RES.	111.9	50.1	46	2110	50	50			234	22.79		39.08		19.46	9.77		
DW-27	97	256+94	RT	RES.	39.5	35.9	13.2	360	25	25		1	40				8.88			1	
DW-28	98	263+58	LT	FIELD	37.3	51.2	10.8	728	25	25			81				17.96				
DW-29	100	274+63	LT	FIELD	43.0	53.4	16.7	1052	25	25			117				25.95				
DW-30	100	274+66	RT	FIELD	43.3	32.6	17.1	714	25	25			79				17.61				
DW-31	104	292+22	LT	COMM.	76.0	36.3	40.2	774	25	25	162		86	8.36		14.34		7.14	3.58		
DW-32	106	300+71	LT	RES.	47.4	46.6	21.2	1141	25	25			127				28.14				
DW-33	106	302+23	RT	RES.	39.3	27.5	13	550	25	25	162	1	61	5.94		10.19		5.07	2.55	1	
DW-34	106	302+60	RT	RES.	44	29.2	17.7	685	25	25			76				16.90				
DW-35	106	303+66	RT	RES.	46.1	29.1	19.9	743	25	25		1	83				18.33			1	
DW-36	106	304+87	RT	COMM.	83.2	29.5	56.4	1846	25	25			205				45.53				
DW-37	107	306+58	RT	COMM.	57.8	28.8	31.5	1067	25	25	68		119	11.53		19.76		9.84	4.94		
DW-38	107	308+13	RT	RES.	58.2	28.7	31.9	1081	25	25	96	3	120	11.68		20.02		9.97	5.00	1	1
DW-39	108	312+16	RT	RES.	47.7	29	21.4	787	25	25	22	2	87	8.50		14.58		7.26	3.64		1
DW-40	108	312+28	RT	RES.	49.5	47	23.3	1252	25	25			139				30.88				
DW-41	108	313+26	RT	RES.	54.2	29	27.9	974	25	25	59		108	10.52		18.04		8.98	4.51		
DW-42	111	327+44	LT	RES.	42.4	47.5	16.2	466	25	25			52				11.49				
DW-43	113	336+32	RT	RES.	40	23	13.5	416	25	25	31	1	46	4.49		7.71		3.84	1.93	1	
DW-43A	113	327+44	LT	RES.	42	50	16	965	25	25	102		107	10.42		17.87		8.90	4.47		
DW-44	113	338+05	RT	COMM.	53.5	20	27.4	791	25	25	55	1	88		12.21	14.65		7.29	3.66	1	
DW-45	114	343+42	RT	COMM.	73.8	17.5	61.8	612	25	25	176		68		9.44	11.34		5.64	2.83		
DW-46	119	367+01	RT	COMM.	65.5	24.0	39.3	1160	25	25			129				28.61				
DW-47	120	372+04	LT	COMM.	51.4	39.8	25.2	1174	25	25	199		130		18.12	21.75		10.83	5.44		
DW-48	120	373+06	RT	COMM.	65.9	20.0	43.4	1066	25	25			118				26.29				
DW-49	121	379+21	LT	RES.	38.4	28.9	12.2	526	25	25	45		58	5.68		9.74		4.85	2.44		
TOTALS CARRIED TO NEXT SHEET											**1948**	**27**	**5173**	**174.78**	**140.60**	**458.26**	**538.10**	**233.24**	**117.09**	**19**	**4**

CALCULATED XXX
CHECKED XXX

DRIVEWAY SUBSUMMARY

WOO-25-0.75

REFERENCE NO.	SHEET NO.	STATION	SIDE	DRIVE TYPE	APRON LENGTH "L1"	DRIVEWAY LENGTH "L2"	WIDTH "W"	CADD GENERATED AREA (SQ. FT.)	RADIUS R1 (LEFT SIDE OF DRIVE LOOKING FROM CL)	RADIUS R2 (RIGHT SIDE OF DRIVE LOOKING FROM CL)	202 PAVEMENT REMOVED	202 MAILBOX REMOVED	204 SUBGRADE COMPACTION	301 ASPHALT CONCRETE BASE, PG64-22, 3.5"	301 ASPHALT CONCRETE BASE, PG64-22, 5"	304 AGGREGATE BASE, 6"	304 AGGREGATE BASE, 8"	407 NON-TRACKING TACK COAT	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, 1.5"	SPECIAL MAILBOX SUPPORT SYSTEM, SINGLE	SPECIAL MAILBOX SUPPORT SYSTEM, DOUBLE
									FT	FT	SY	EACH	SY	CY	CY	CY	CY	GAL	CY	EACH	EACH
DW-50	122	381+52	RT	PARK	102.2	19.7	8.3	1828	25	25			203				44.68				
DW-51	122	382+37	LT	RES.	42.4	32.7	16.2	682	25	25			76				16.67				
DW-52	122	384+22	RT	PARK	42.4	25.8	22.2	495	25	25			55				12.10				
DW-53	123	386+52	RT	PARK	42.0	21.6	15.8	542	25	25			60				13.25				
DW-54	126	414+48	RT	RES.	39.2	22.0	13.0	496	25	25	57		55	5.36		9.19		4.57	2.30		
DW-55	127	417+08	RT	RES.	49.0	33.5	22.7	828	25	25			92				20.24				
DW-56	128	422+10	RT	COMM.	81.2	48.8	37.6	2192	25	25			244				53.58				
DW-57	129	425+65	RT	COMM.	63.4	38.9	37.4	1718	25	25	227		191		26.51	31.82		15.84	7.95		
DW-58	129	428+78	RT	RES.	34.7	35.7	8.7	470	25	25			52				11.49				
DW-59	130	433+09	RT	COMM.	59.0	1	32.4	1488	25	25	175		165		22.96	27.56		13.72	6.89		
DW-59A	130	433+42	LT	COMM.	89.3	32.7	63	2218	25	25			246				54.22				
DW-60	130	434+72	LT	COMM.	83	29.7	56.8	1418	25	25			158				34.66				
DW-61	131	438+04	LT	COMM.	38.3	30.0	12.0	534	25	25			59				13.05				
DW-62	132	440+16	RT	COMM.	58.8	41.0	32.0	1482	25	25	183		165		22.87	27.45		13.67	6.86		
DW-63	132	442+74	RT	COMM.	49.4	41.0	23.2	1200	25	25	105		133		18.52	22.23		11.07	5.56		
DW-64	133	445+62	RT	FIELD	48.6	41.0	22.4	1058	25	25			118				25.86				
DW-65	133	447+52	RT	COMM.	119.5	41.0	93.3	3979	25	25	326		442		61.40	73.70		36.70	18.42		
DW-66	137	465+12	LT	RES.	41.5	23.9	17.91	444	25	25	27		49	4.80		8.22		4.09	2.06		
DW-67	137	466+68	LT	RES.	57.8	23.5	31.3	942	25	25	62	1	105	10.18		17.45		8.69	4.36	1	
DW-68	138	470+24	LT	RES.	43.6	17.3	30.0	576	25	25			64				14.08				
DW-69	138	472+84	RT	RES.	38.3	36.1	12	586	25	25	77	1	65	6.33		10.85		5.40	2.71	1	
DW-70	140	483+45	LT	COMM.	60.5	12.8	35.50	644.00	25	25	72.00	1	72		9.94	11.93		5.94	2.98	1	
TOTALS THIS SHEET											**1311**	**3**	**2869**	**26.66**	**162.21**	**240.40**	**313.89**	**119.70**	**60.09**	**3.00**	**0.00**
TOTALS CARRIED FROM PREVIOUS SHEET											**1948**	**27**	**5173**	**174.78**	**140.60**	**458.26**	**538.10**	**233.24**	**117.09**	**19**	**4**
TOTALS CARRIED TO GENERAL SUMMARY											**3259**	**30**	**8042**	**201.44**	**302.81**	**698.66**	**851.99**	**352.94**	**177.18**	**22.00**	**4**

CALCULATED XXX
CHECKED XXX

DRIVEWAY SUBSUMMARY

WOO-25-0.75

REF NO.	SHEET NO.	STATION TO STATION			202 PIPE REMOVED, 24" AND UNDER FT	202 PIPE REMOVED, OVER 24" FT	202 CATCH BASIN REMOVED EACH	202 MANHOLE REMOVED EACH	SPECIAL FILL AND PLUG EXISTING CONDUIT FT	611 MANHOLE ADJUSTED TO GRADE EACH	611 CATCH BASIN, NO. 2-2B EACH	611 CATCH BASIN, NO. 2-3 EACH	611 CATCH BASIN, NO. 2-4 EACH	611 CATCH BASIN, NO. 2-5 EACH	611 CATCH BASIN, NO. 6 EACH	611 CATCH BASIN ADJUSTED TO GRADE EACH	611 MANHOLE, NO. 3 EACH	611 MANHOLE, NO. 5 EACH	611 12" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE B FT	611 18" CONDUIT, TYPE B FT	611 21" CONDUIT, TYPE B FT	611 24" CONDUIT, TYPE B FT	611 36" CONDUIT, TYPE B FT	611 42" CONDUIT, TYPE B FT	611 48" CONDUIT, TYPE B FT	611 12" CONDUIT, TYPE C FT	611 15" CONDUIT, TYPE C FT	611 18" CONDUIT, TYPE C FT	611 21" CONDUIT, TYPE C FT	611 24" CONDUIT, TYPE C FT	611 36" CONDUIT, TYPE C FT	611 42" CONDUIT, TYPE C FT	611 48" CONDUIT, TYPE C FT
D-1	68	112+24	TO	112+24	82		1																											
D-2	69	118+75	TO	118+75	81		1																											
D-3	71	125+50	TO	125+50	61		1																											
D-4	71	128+00	TO	128+00	61		1																											
D-5	72	134+58	TO	134+58	54		2	1										1																
D-6	72	134+33.50	TO	134+33.50							1								95															
D-7	73	135+51	TO	136+63			2		112																									
D-8	73	137+59.90	TO	140+00					240																									
D-9	74	140+00	TO	145+00					500																									
D-10	74	140+61	TO	140+61	44		1			1																								
D-11	75	145+00	TO	150+00			1		500																									
D-12	75	146+71	TO	146+71	102		1											1																
D-13	75	146+75	TO	146+75							1								97															
D-14	75	146+90	TO	150+00		325																											310	
D-15	76	150+00	TO	153+65.14		365																		22									333	
D-16	76	153+63	TO	153+63	106		2											1																
D-17	76	150+00	TO	155+00					500																									
D-18	76	153+63	TO	153+63							1								101															
D-19	77	155+00	TO	155+63			1		62																									
D-20	78	162+63	TO	162+63							1							1	105															
D-21	78	164+11	TO	165+00	38		1																											
D-22	79	165+00	TO	170+00	500																													
D-23	80	170+00	TO	175+00	63		1		437																									
D-24	80	170+63	TO	170+63	119		1		437																									
D-25	80	174+61	TO	174+61														1																
D-26	81	175+00	TO	180+00	104		2		863																									
D-27	81	178+62	TO	178+62							1							1	102															
D-28	82	180+00	TO	181+61			1		161																									
D-29	82	182+60	TO	185+00		241		3										3							146	46								96
D-30	82	182+60	TO	182+60							1								99															
D-31	82	184+72	TO	185+00			1		28																									
D-32	83	185+00	TO	190+00		500												1																500
D-33	83	185+00	TO	190+00			1		500																									
D-34	83	188+78	TO	188+78															39															
D-35	84	190+00	TO	195+00		500																												500
D-36	84	190+00	TO	195+00	438		2		62																									
D-37	84	191+78	TO	191+78															58															
D-38	84	192+93	TO	192+93															39															
D-39	84	194+61	TO	194+61														1																
D-40	84	190+00	TO	195+00			1		500																									
D-41	85	195+00	TO	200+00		500											1																	500
D-42	85	195+00	TO	198+06	321		2																											
D-43	85	198+06	TO	198+06	108						1								102															
D-44	85	195+00	TO	200+00	500		1																											
D-45	85	196+77	TO	196+77															60															
D-46	86	200+00	TO	205+00		500												1								20								480
D-47	86	200+00	TO	202+62	260		1																											
D-48	86	200+62	TO	200+62															44															
D-49	86	204+12	TO	204+12															44															
D-50	87	205+00	TO	210+00		500											1	1								30								470
D-51	87	206+36	TO	208+61			2		223																									
D-52	87	206+21	TO	206+36	109		1	1																										
D-53	87	205+48	TO	206+21	71		2																											
D-54	87	205+62	TO	206+37							2								87															
D-55	87	206+37	TO	206+37															102															
D-56	87	207+16	TO	207+16															46															
D-57	88	210+00	TO	215+00		500												1								40								460
D-58	88	213+59	TO	215+00			1		140																									
D-59	89	215+00	TO	220+00		500												1																500
D-60	89	215+00	TO	220+00			2		461																									
TOTALS CARRIED TO SHEET 58					3223	4431	37	5	5726	1	9						2	15	1220					22	146	136					643		3506

CALCULATED XXX CHECKED XXX

DRAINAGE SUBSUMMARY

WOO-25-0.75

REF NO.	SHEET NO.	STATION TO STATION			202 PIPE REMOVED, 24" AND UNDER FT	202 PIPE REMOVED, OVER 24" FT	202 CATCH BASIN REMOVED EACH	202 MANHOLE REMOVED EACH	SPECIAL FILL AND PLUG EXISTING CONDUIT FT	611 MANHOLE ADJUSTED TO GRADE EACH	611 CATCH BASIN, NO. 2-2B EACH	611 CATCH BASIN, NO. 2-3 EACH	611 CATCH BASIN, NO. 2-4 EACH	611 CATCH BASIN, NO. 2-5 EACH	611 CATCH BASIN, NO. 6 EACH	611 CATCH BASIN ADJUSTED TO GRADE EACH	611 MANHOLE, NO. 3 EACH	611 MANHOLE, NO. 5 EACH	611 12" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE B FT	611 18" CONDUIT, TYPE B FT	611 21" CONDUIT, TYPE B FT	611 24" CONDUIT, TYPE B FT	611 36" CONDUIT, TYPE B FT	611 42" CONDUIT, TYPE B FT	611 48" CONDUIT, TYPE B FT	611 12" CONDUIT, TYPE C FT	611 15" CONDUIT, TYPE C FT	611 18" CONDUIT, TYPE C FT	611 21" CONDUIT, TYPE C FT	611 24" CONDUIT, TYPE C FT	611 36" CONDUIT, TYPE C FT	611 42" CONDUIT, TYPE C FT	611 48" CONDUIT, TYPE C FT
D-120	109	317+10	TO	320+00													1																		
D-121	110	320+00	TO	325+00	500		1																								303			
D-122	110	320+00	TO	325+00								1																			300	200			
D-123	111	325+00	TO	330+00	500																														
D-124	111	325+00	TO	327+75								1										54									231				
D-125	111	327+75	TO	330+00																										215					
D-126	112	330+00	TO	335+00							1																		390	110					
D-127	112	330+00	TO	334+16	416		2																												
D-128	112	331+10	TO	331+10	62																														
D-129	113	335+00	TO	336+55							1									45									119						
D-130	113	336+55	TO	336+55							1								103																
D-131	113	337+21	TO	340+00			2		276																										
D-132	113	338+05	TO	338+05															55																
D-133	114	340+00	TO	343+77	278		4		99																										
D-134	114	341+00	TO	341+00	55						1								118																
D-135	114	341+00	TO	343+21	59		1											1										221							
D-136	114	343+21	TO	343+21	118		1				1					1			124									39							
D-137	115	345+58	TO	350+00			2		442																										
D-138	116	350+00	TO	355+00	42				458																										
D-139	117	355+35	TO	355+35	48		1																												
D-140	117	355+35	TO	360+00	500		1																												
D-141	118	360+00	TO	365+00	500		1																												
D-142	119	365+00	TO	370+00	500		1																												
D-143	119	367+01	TO	367+01															66																
D-144	120	370+00	TO	375+00	500		1																												
D-144A	120	372+28	TO	375+00											2				270																
D-145	120	370+74	TO	375+00							2											60									365				
D-146	121	375+00	TO	376+20							1																				122				
D-147	121	375+00	TO	375+49	77															68															
D-147A	121	377+21	TO	380+00	283		1								1				275																
D-147B	122	380+00	TO	382+73	273		2								1				25																
D-147C	122	382+11	TO	382+11							1																								
D-147D	123	386+85	TO	386+85												1																			
D-149	127	417+08	TO	417+08	28														49																
D-153	128	420+90	TO	420+90	113		1														119														
D-154	128	421+33	TO	421+54	30		1																												
D-155	128	420+90	TO	425+00	400		1	1																											
D-156	128	422+10	TO	422+10																															
D-157	128	420+90	TO	425+00							1						1											17			408				
D-158	128	422+75	TO	422+75	44		3																												
D-159	128	420+90	TO	425+00	412																														
D-160	129	425+00	TO	430+00	220		2		280																										
D-161	129	425+00	TO	430+00	500		3																												
D-162	129	425+00	TO	430+00							2						1			88	26	77					116		269	24					
D-163	129	428+08	TO	430+00	249		1																												
D-164	129	426+01	TO	430+00							1																		399						
D-165	130	430+00	TO	430+59			1		59																										
D-166	130	430+00	TO	435+00							1								80								361	59							
D-167	130	430+00	TO	431+09	109		1																												
D-168	130	430+00	TO	433+39							1								60								279								
D-169	130	434+05	TO	435+00			1		94																										
D-170	131	435+00	TO	440+00	94		2		406																										
D-171	131	435+00	TO	435+17							1																17								
D-172	131	438+24	TO	440+00							1																168								
D-173	132	440+00	TO	445+00							1																296	210							
D-174	132	440+16	TO	440+16	79														62																
TOTALS CARRIED TO SHEET 58					6989		38	1	2114		18	2			4	2	3	1	1287	201	145	191					1514	1177	594	1450	503				

CALCULATED XXX
CHECKED XXX

DRAINAGE SUBSUMMARY

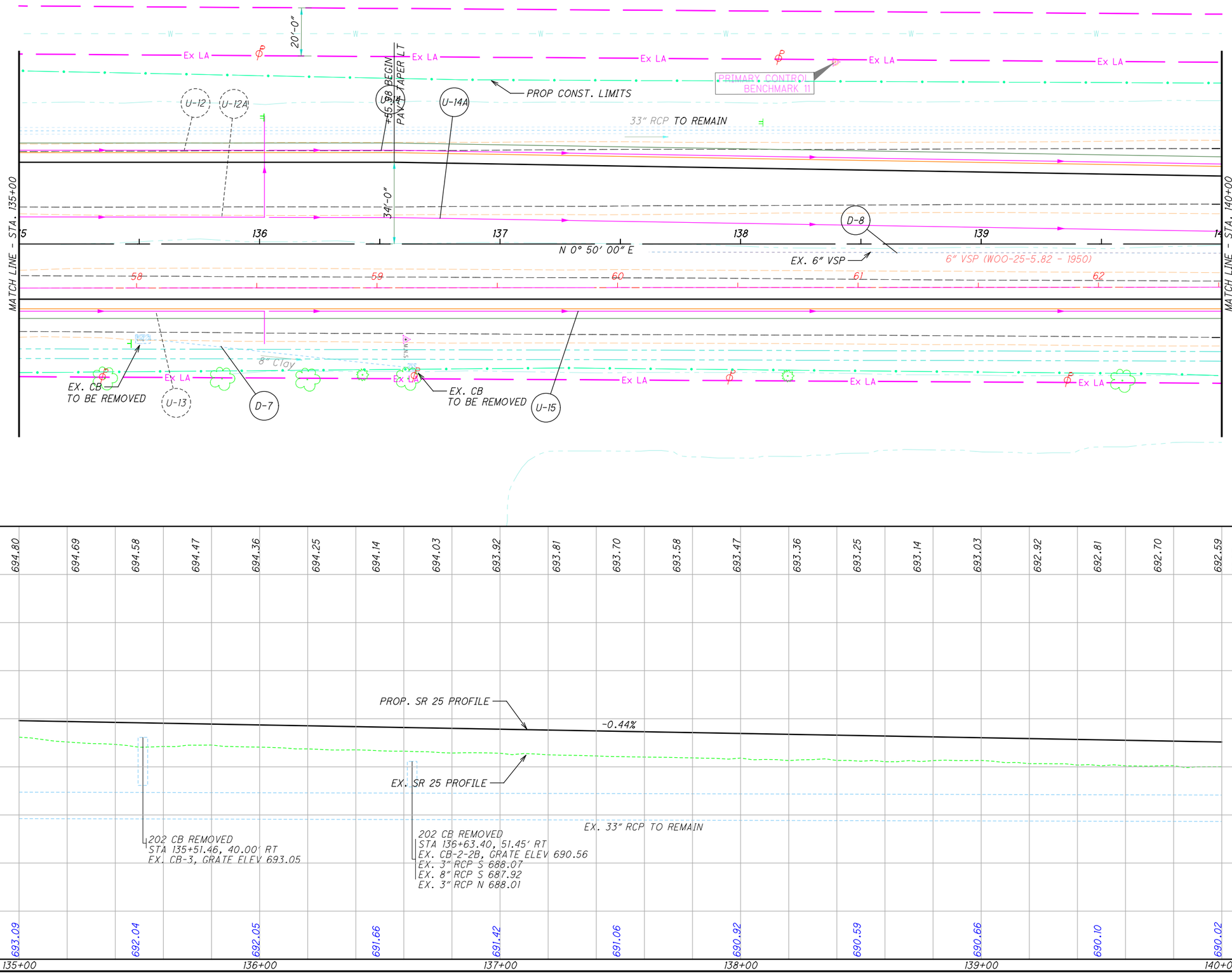
W00-25-0.75

REF NO.	SHEET NO.	STATION TO STATION			202 PIPE REMOVED, 24" AND UNDER FT	202 PIPE REMOVED, OVER 24" FT	202 CATCH BASIN REMOVED EACH	202 MANHOLE REMOVED EACH	SPECIAL FILL AND PLUG EXISTING CONDUIT FT	611 MANHOLE ADJUSTED TO GRADE EACH	611 CATCH BASIN, NO. 2-2B EACH	611 CATCH BASIN, NO. 2-3 EACH	611 CATCH BASIN, NO. 2-4 EACH	611 CATCH BASIN, NO. 2-5 EACH	611 CATCH BASIN, NO. 6 EACH	611 CATCH BASIN ADJUSTED TO GRADE EACH	611 MANHOLE, NO. 3 EACH	611 MANHOLE, NO. 5 EACH	611 12" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE B FT	611 18" CONDUIT, TYPE B FT	611 21" CONDUIT, TYPE B FT	611 24" CONDUIT, TYPE B FT	611 36" CONDUIT, TYPE B FT	611 42" CONDUIT, TYPE B FT	611 48" CONDUIT, TYPE B FT	611 12" CONDUIT, TYPE C FT	611 15" CONDUIT, TYPE C FT	611 18" CONDUIT, TYPE C FT	611 21" CONDUIT, TYPE C FT	611 24" CONDUIT, TYPE C FT	611 36" CONDUIT, TYPE C FT	611 42" CONDUIT, TYPE C FT	611 48" CONDUIT, TYPE C FT
D-175	132	442+74	TO	442+74	31														51															
D-176	132	440+00	TO	445+00	500		1																											
D-177	133	445+00	TO	450+00	500		2																											
D-178	133	445+00	TO	450+00							1																			465				35	
D-179	133	445+62	TO	445+62	41														49															
D-180	133	449+10	TO	449+65							1																	25						
D-181	133	449+65	TO	449+65		60	1							2												94							
D-182	133	449+10	TO	449+10	55		1																											
D-183	133	447+52	TO	447+52															120															
D-184	134	450+00	TO	455+00										1												76							424	
D-185	134	450+00	TO	455+00		500	2																											
D-186	134	452+73	TO	452+73	45			1																										
D-187	134	452+73	TO	453+93	130		1																											
D-188	135	455+00	TO	460+00		500																												
D-189	135	455+00	TO	460+00													1																500	
D-190	136	460+00	TO	465+00													1		8		12											470	21	
D-191	136	460+00	TO	465+00	49	500	1																											
D-192	137	465+00	TO	470+00	48	500	3																											
D-193	137	465+00	TO	470+00									2											90								409		
D-194	138	470+00	TO	474+17		265	2									1																		
D-195	138	470+00	TO	474+00						1			2											50								221		
D-196	138	472+65	TO	473+07																	42													
D-197	138	472+65	TO	472+68		43									1									47										
D-198	138	472+68	TO	473+07												1																		
TOTALS FROM THIS SHEET					1399	2368	14	1	0	1	2	0	4	3	1	2	2	0	228	0	54	0	0	187	170	0	25	465	0	0	0	1100	980	0
TOTALS CARRIED FROM SHEETS 55					3223	4431	37	5	5726	1	9	0	0	0	0	0	2	15	1220	0	0	0	0	22	146	136	0	0	0	0	0	643	0	3506
TOTALS CARRIED FROM SHEETS 56					5485	2190	33	7	3500	0	11	0	0	0	8	0	6	5	1852	294	129	0	0	0	0	150	1323	22	0	0	0	0	0	2040
TOTALS CARRIED FROM SHEETS 57					6989	0	38	1	2114	0	18	2	0	0	4	2	3	1	1287	201	145	191	0	0	0	0	1514	1177	594	1450	503	0	0	0
TOTALS CARRIED TO GENERAL SUMMARY					17096	8989	122	14	11340	2	40	2	4	3	13	4	13	21	4587	495	328	191	0	209	316	286	2862	1664	594	1450	503	1743	980	5546

CALCULATED XXX
CHECKED XXX

DRAINAGE SUBSUMMARY

WOO-25-0.75



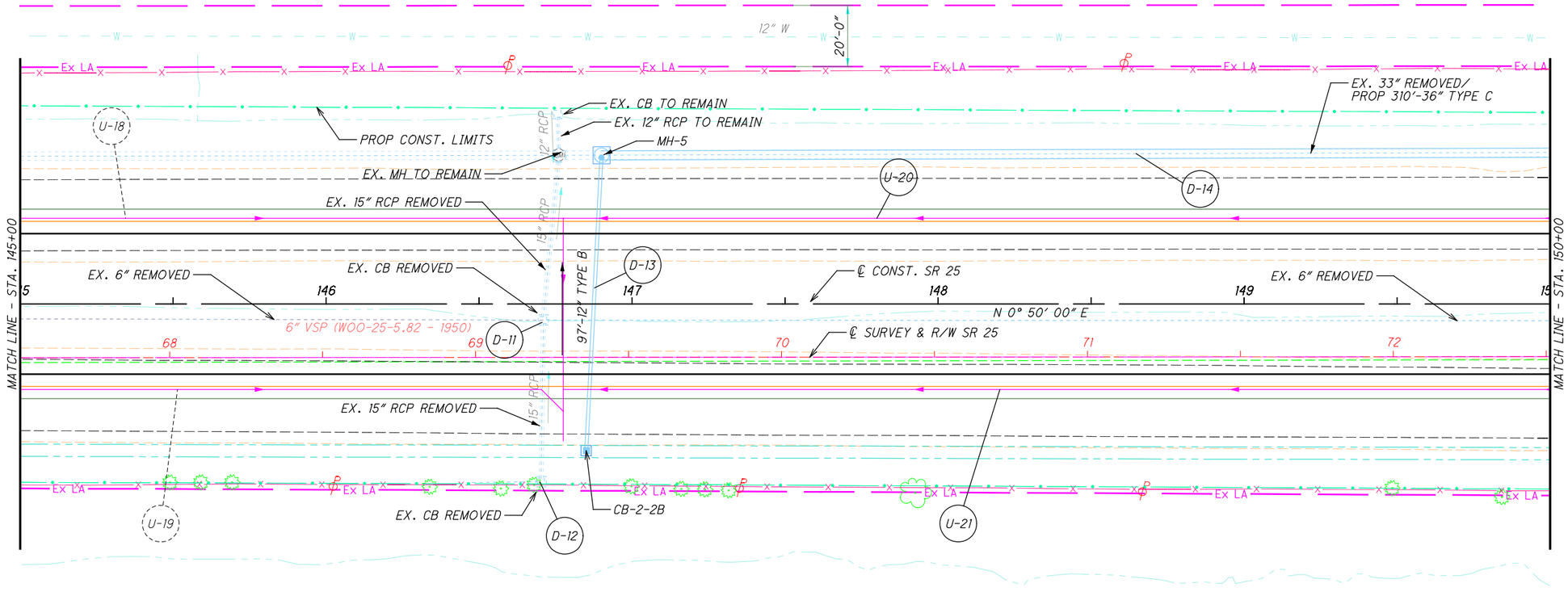
N

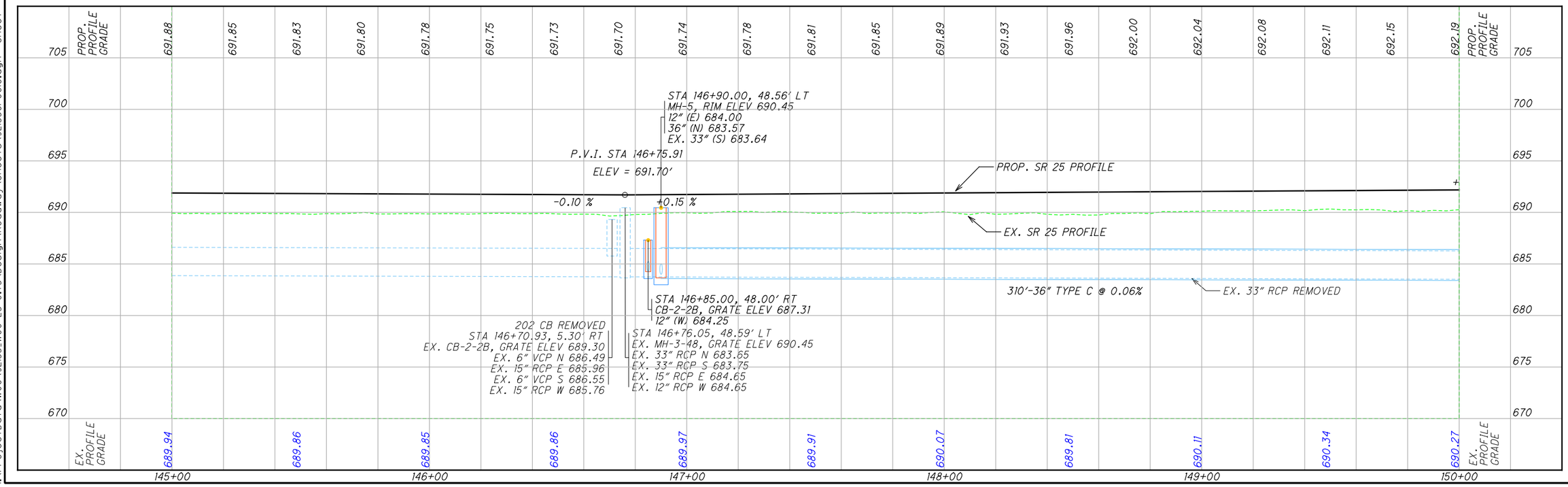
HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 135+00 TO STA. 140+00

WOO-25-0.75





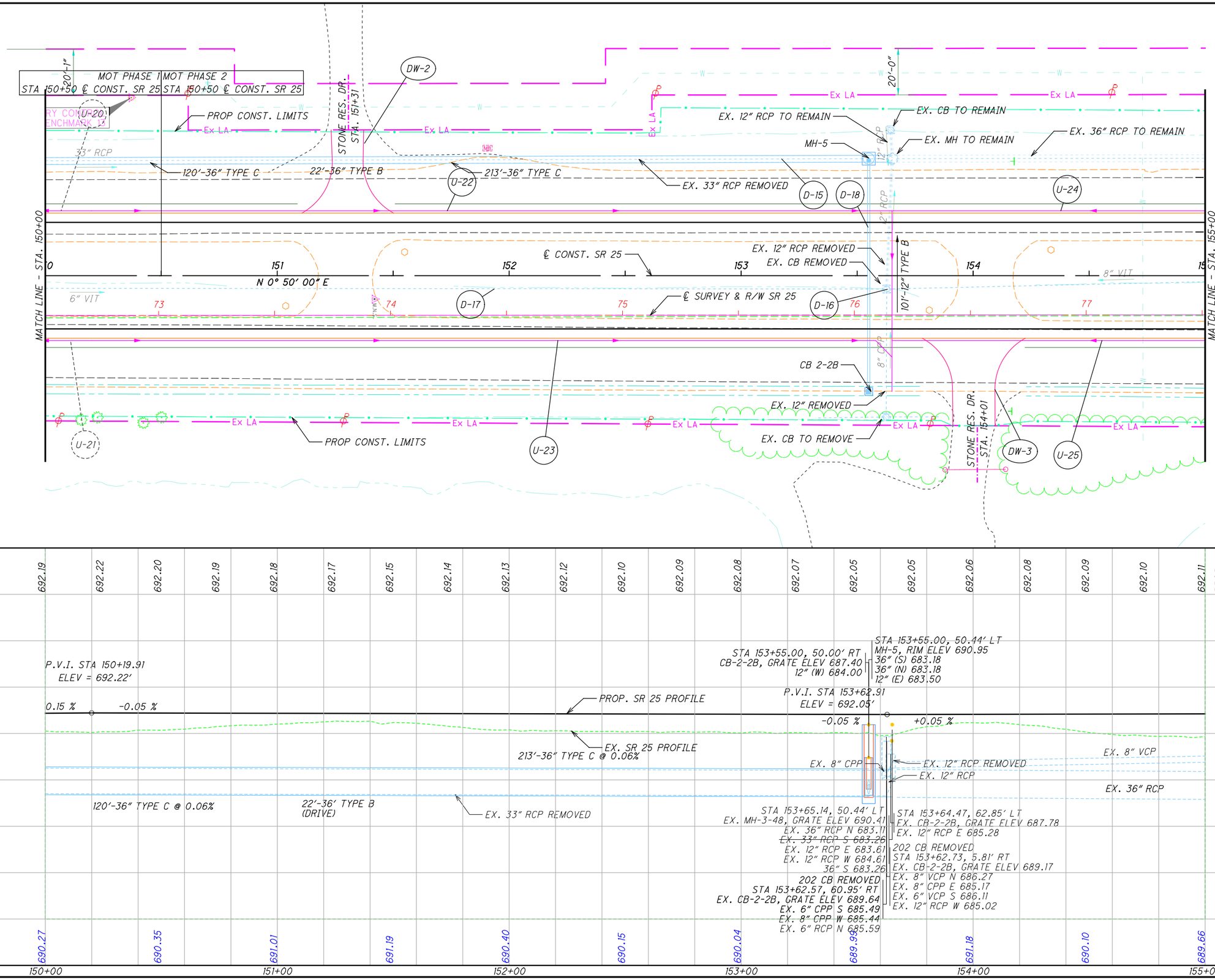
N

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

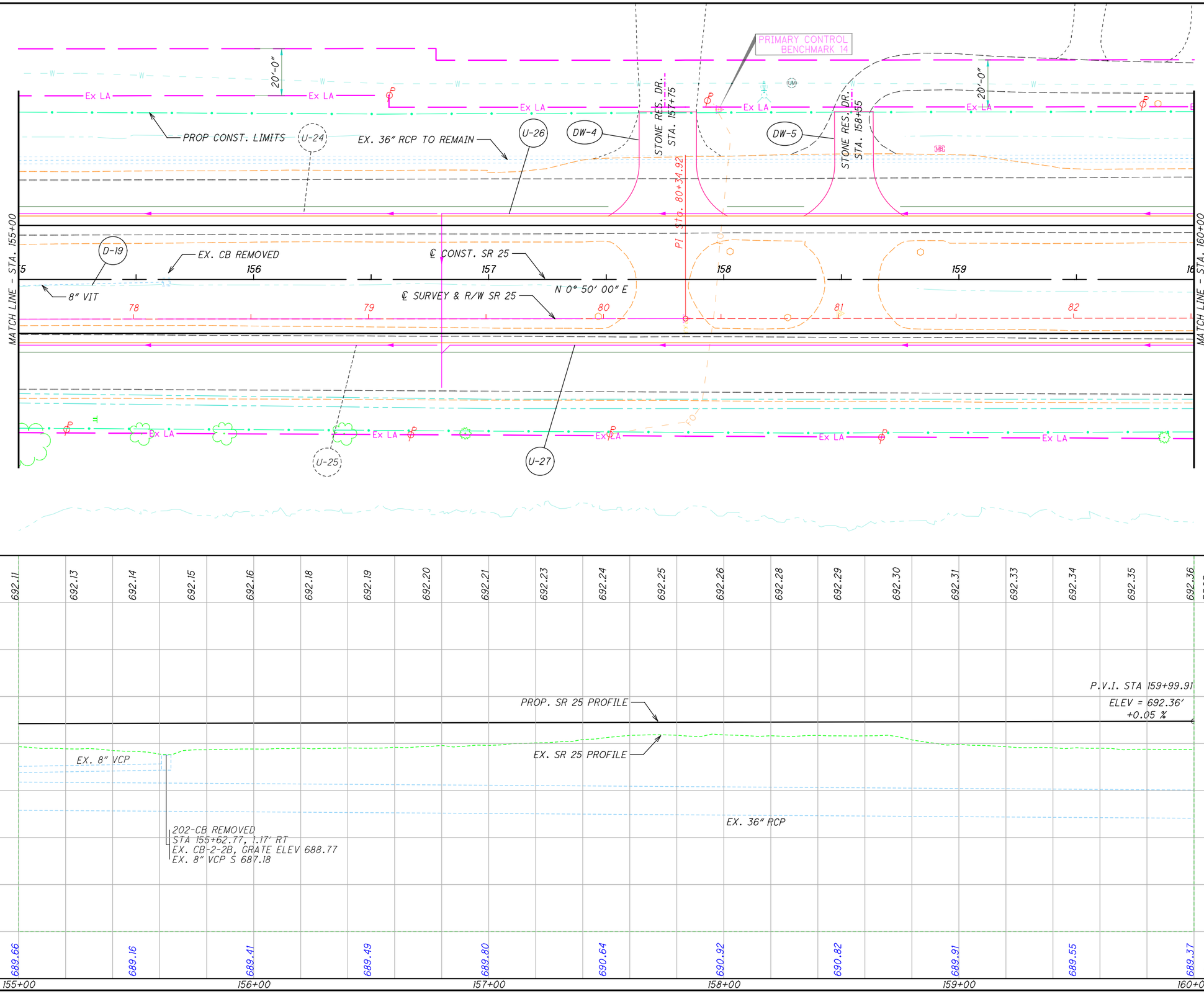
PLAN AND PROFILE
STA. 145+00 TO STA. 150+00

WOO-25-0.75



HORIZONTAL SCALE IN FEET
0 10 20 40
CALCULATED JLE
CHECKED XXX

I:\Project Data\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133GP001.dgn Sheet 1/18/2022 3:50:44 PM jerford

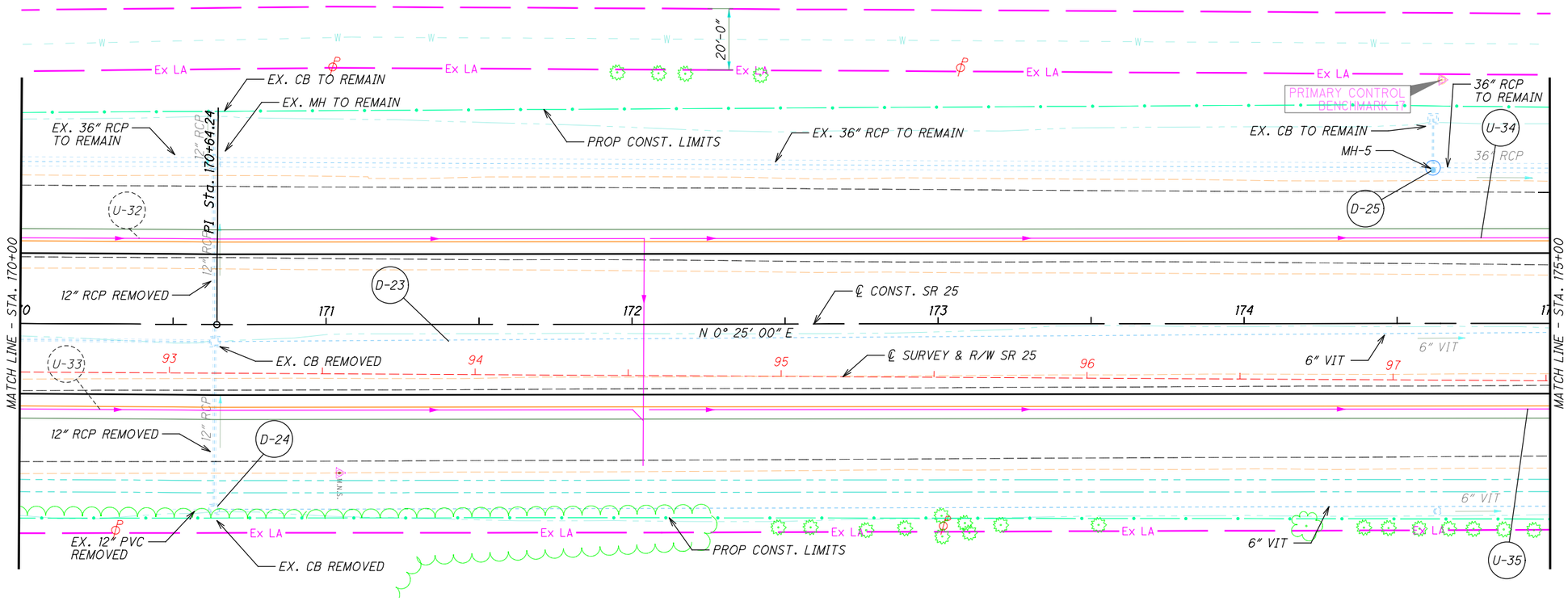


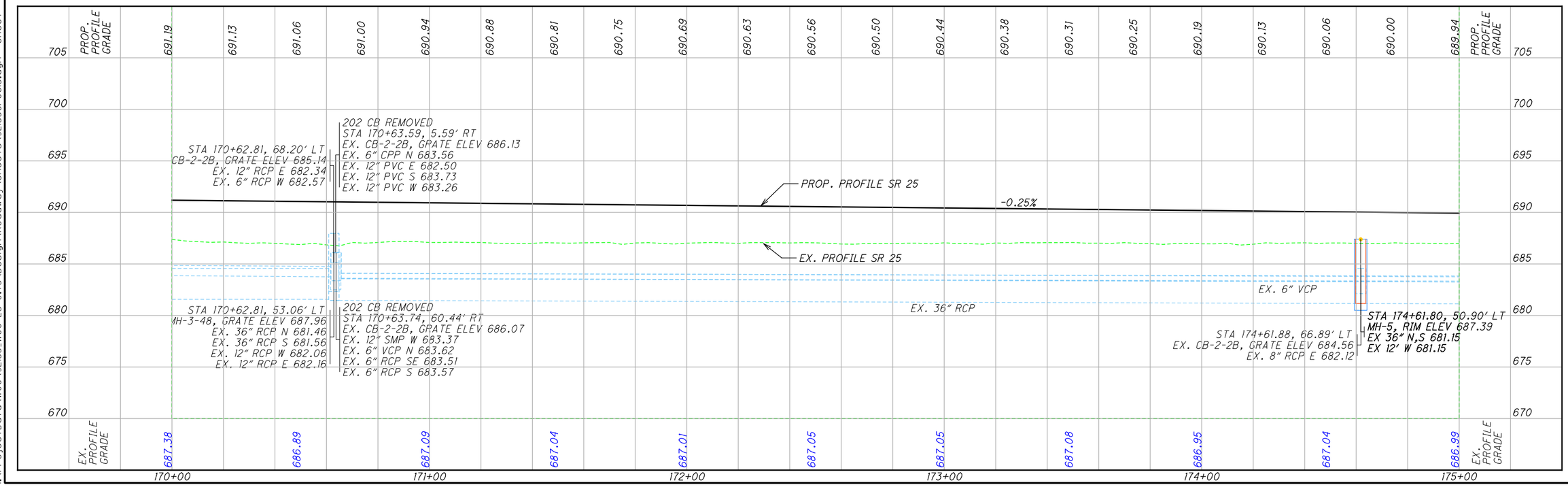
HORIZONTAL SCALE IN FEET

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 155+00 TO STA. 160+00

WOO-25-0.75





HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 170+00 TO STA. 175+00

WOO-25-0.75

PRIMARY CONTROL BENCHMARK 18

20'-0"

Ex LA

W

12" W

U-34

U-35

U-36

U-37

U-38

U-39

PROP CONST. LIMITS

EX. CB TO REMAIN

EX. MH TO REMAIN

12" PVC

12" PCP TO BE REMOVED

MH-5

12" RCP

12"-12" TYPE B

EX. 6"

℄ CONST. SR 25

EX. CB REMOVED

N 0° 25' 00" E

℄ SURVEY & R/W SR 25

D-26

D-27

MATCH LINE - STA. 175+00

MATCH LINE - STA. 180+00

175

176

177

178

179

180

98

99

100

101

102

12" RCP TO BE REMOVED

CB 2-2B

EX. 6" VCP

EX. CB REMOVED

PROP CONST. LIMITS

W.M.S.

HORIZONTAL SCALE IN FEET

0 10 20 40

CALCULATED JLE

CHECKED XXX

PROP. PROFILE GRADE

EX. PROFILE GRADE

705

700

695

690

685

680

675

670

689.94 689.88 689.81 689.75 689.69 689.63 689.56 689.50 689.44 689.38 689.31 689.25 689.19 689.13 689.06 689.04 689.05 689.06 689.07 689.09 689.10

686.99 686.88 686.84 686.60 686.53 686.42 686.39 686.29 686.50 686.80

175+00 176+00 177+00 178+00 179+00 180+00

PROP. PROFILE SR 25

EX. PROFILE SR 25

EX. 6" VCP

EX. 36" RCP

EX. 36" RCP TO REMAIN

0.90' LT
687.39

202 CB REMOVED
STA 178+62.96, 59.19' RT
EX. CB-2-2B, GRATE ELEV 686.29
EX. 12" RCP W 682.93
EX. 6" VCP N 682.89
EX. 6" VCP E 683.35
EX. 6" VCP S 682.96

STA 178+76.00, 53.00' RT
CB-2-2B, GRATE ELEV 683.87
12" (W) 681.95

STA 178+76.45, 48.73' LT
MH-5, RIM ELEV 687.25
12" (E) 681.00
EX. 36" N,S 680.73

P.V.I. STA 178+63.00
ELEV = 689.03'

-0.25 %

+0.05 %

STA 178+62.45, 48.73' LT
EX. MH-3-48, GRATE ELEV 687.15
EX. 36" RCP N 680.75
EX. 12" PVC W 681.43
EX. 36" RCP S 680.85
EX. 12" RCP E 681.75

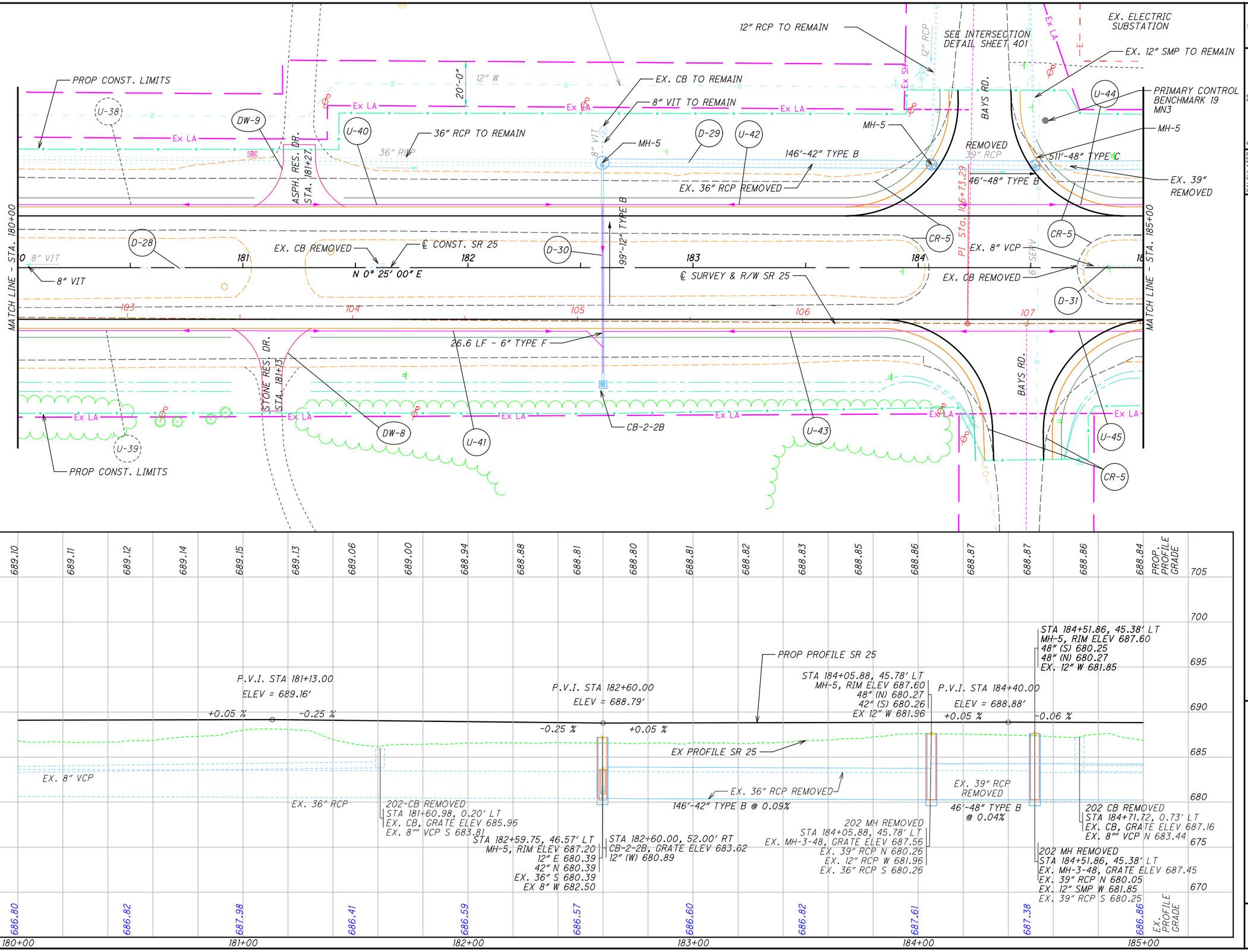
STA 178+61.68, 61.94' LT
EX. CB-2-2B, GRATE ELEV 684.69
EX. 12" PVC E 681.44
EX. 12" PVC W 681.54

EX. 36" RCP TO REMAIN

202 CB REMOVED
STA 178+63.11, 0.77' RT
EX. CB-2-2B, GRATE ELEV 685.97
EX. 12" RCP W 682.72
EX. 8" VCP N 682.87
EX. 12" RCP E 682.57
EX. 6" VCP S 683.12

PLAN AND PROFILE
STA. 175+00 TO STA. 180+00

WOO-25-0.75



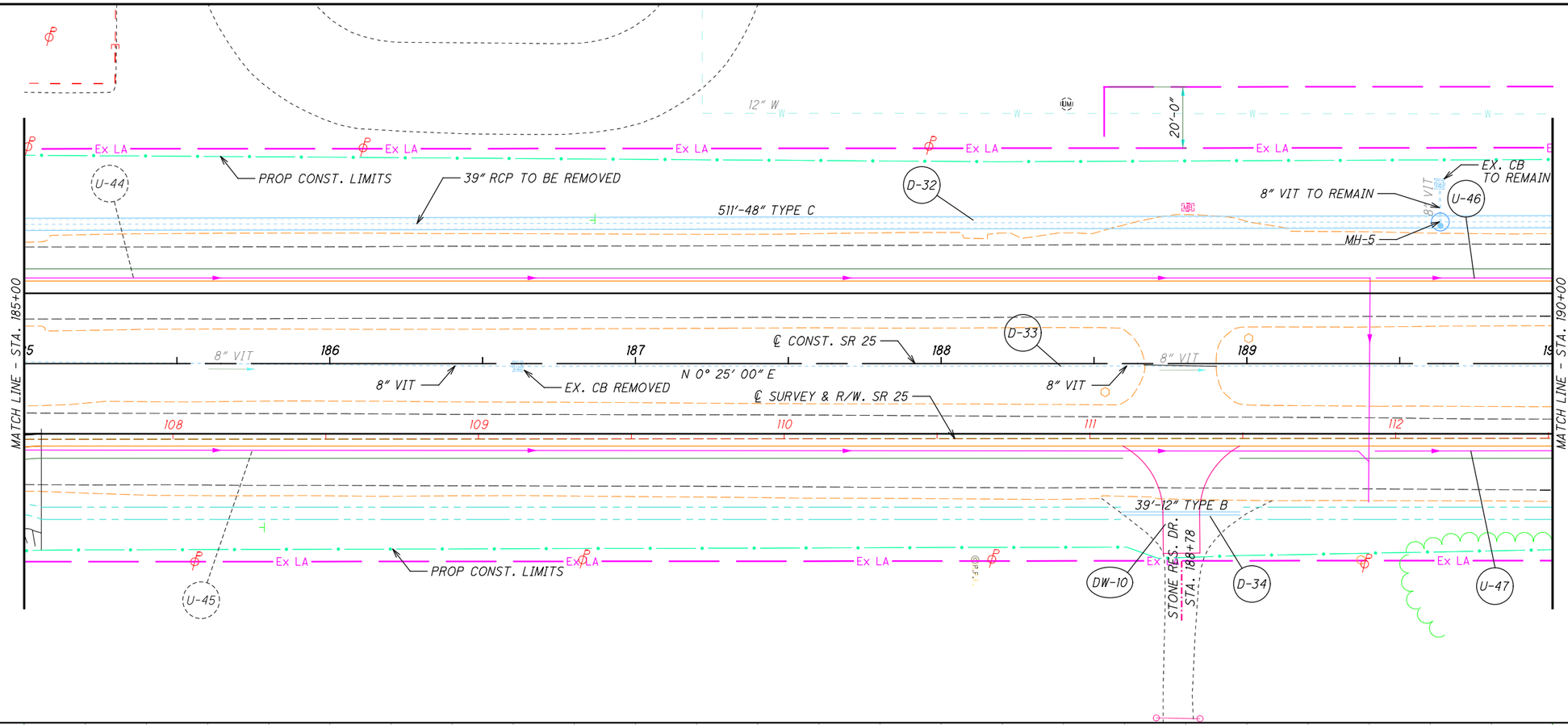
N

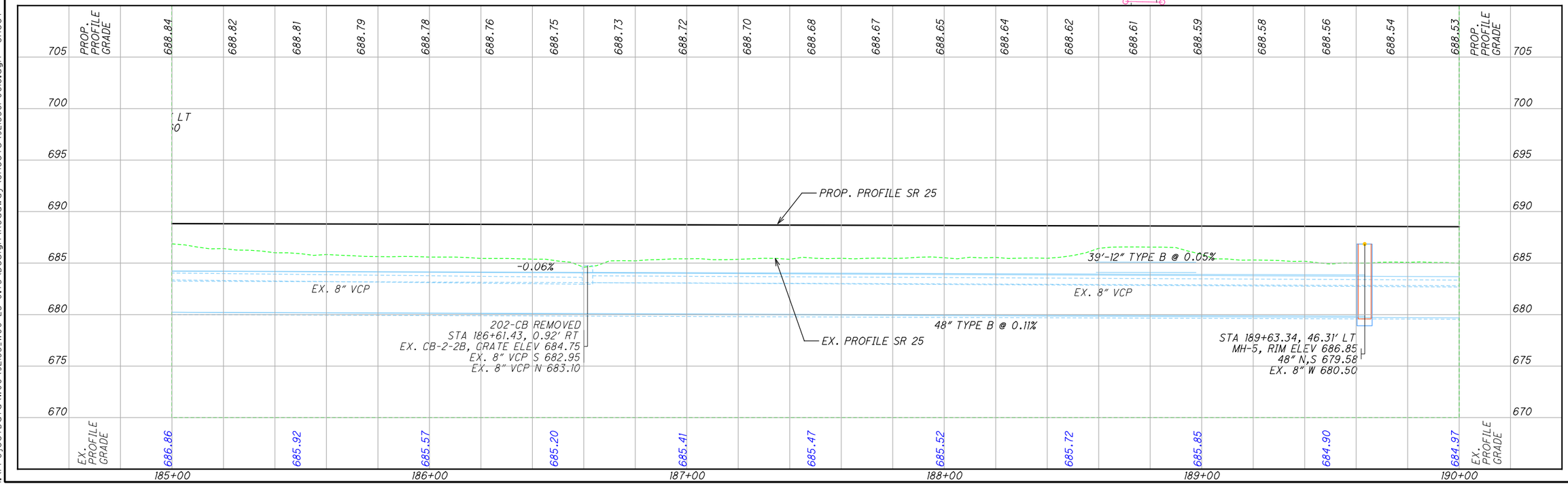
0 10 20 40 HORIZONTAL SCALE IN FEET

CALCULATED JLE CHECKED XXX

PLAN AND PROFILE
STA. 180+00 TO STA. 185+00

WOO-25-0.75



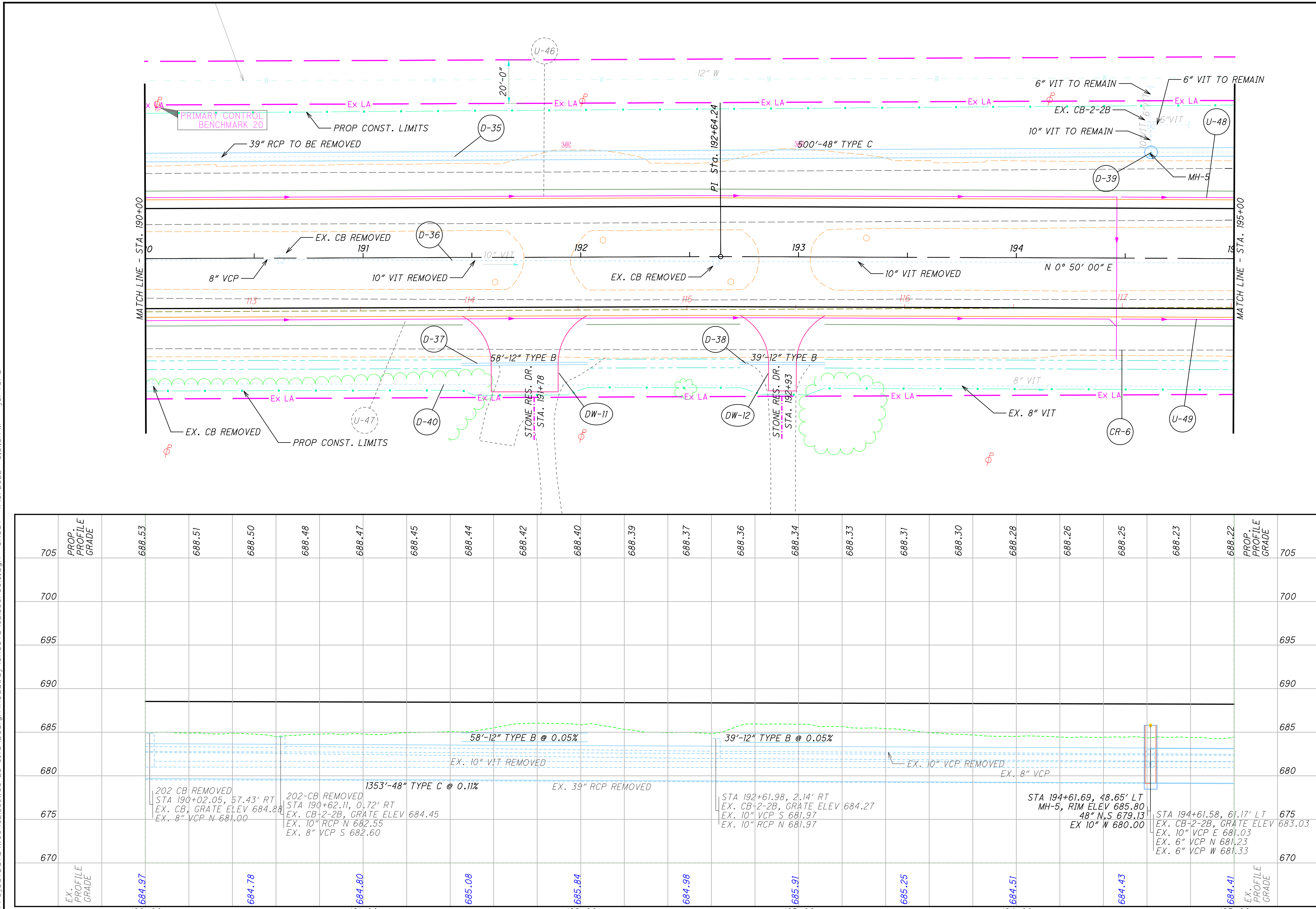


HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 185+00 TO STA. 190+00

WOO-25-0.75



N

0 10 20 40
HORIZONTAL SCALE IN FEET

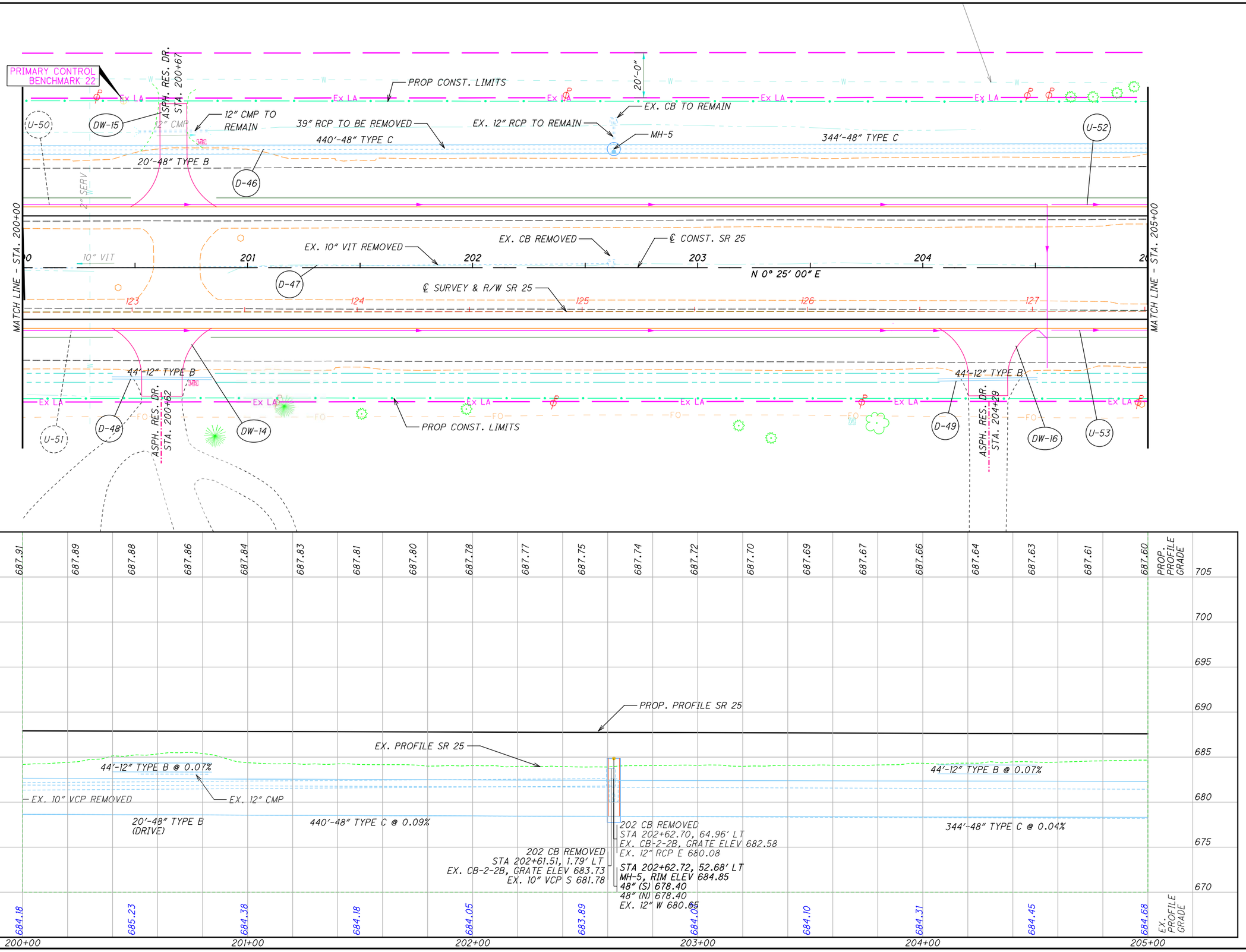
CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 190+00 TO STA. 195+00

WOO-25-0.75

84
465

I:\ProjectData\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133GP0019.dgn Sheet 1/18/2022 3:51:31 PM jerford



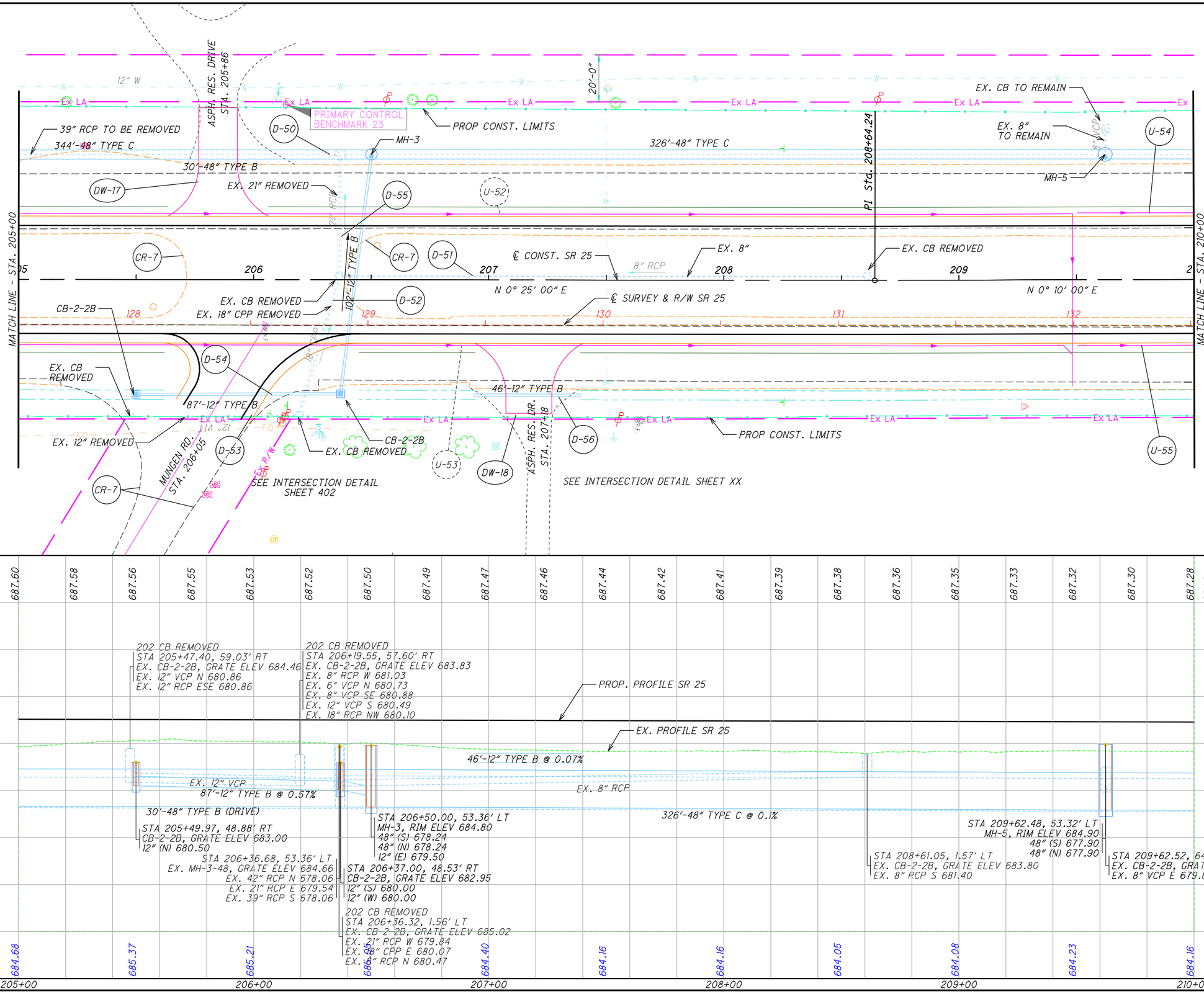
N

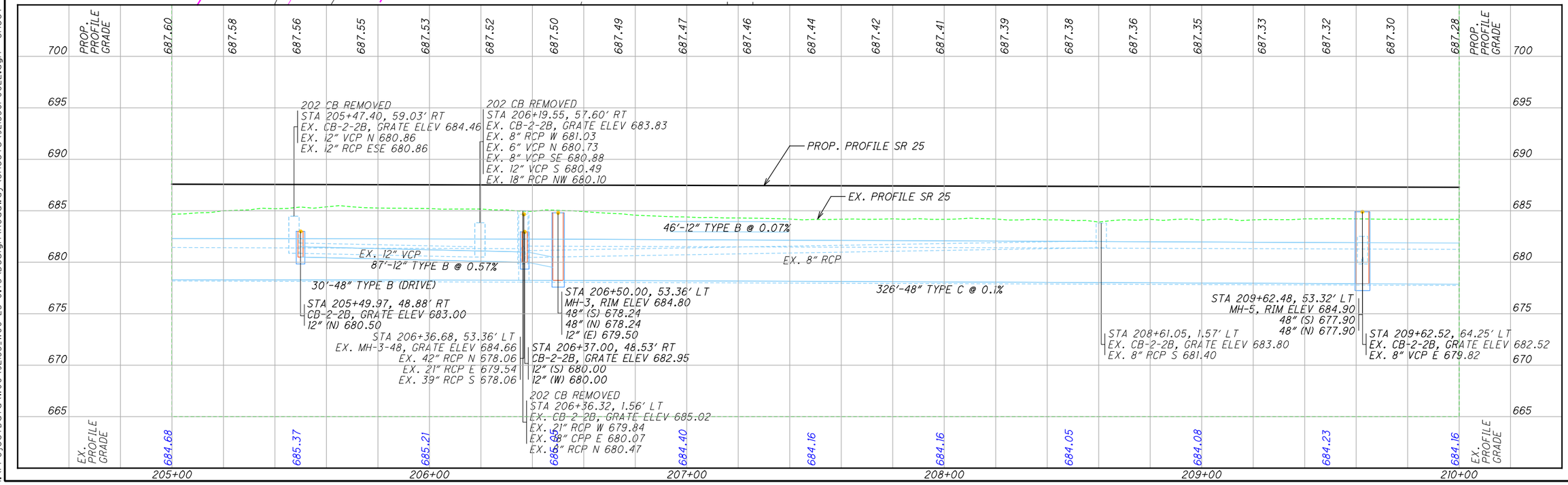
HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 200+00 TO STA. 205+00

WOO-25-0.75





PLAN AND PROFILE
STA. 205+00 TO STA. 210+00

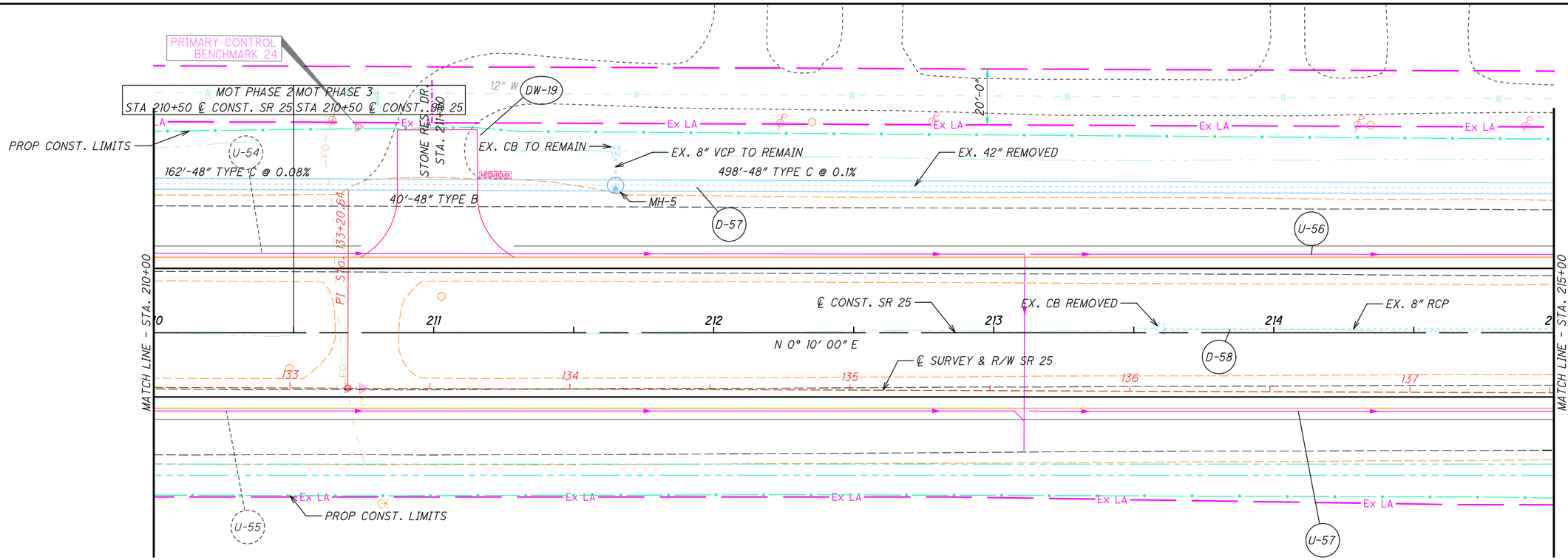
WOO-25-0.75

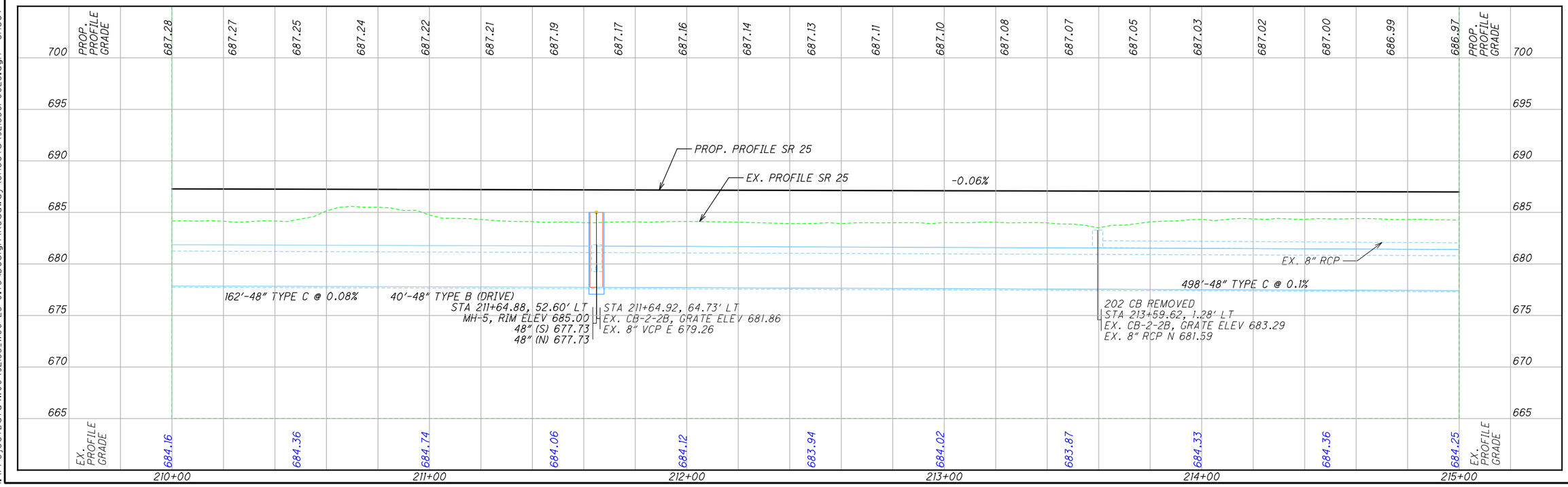
HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

87
465

I:\ProjectData\W00\92133_W00-25-0.75\Design\Roadway\Sheets\92133GP0022.dgn Sheet 1/18/2022 3:51:47 PM jerford



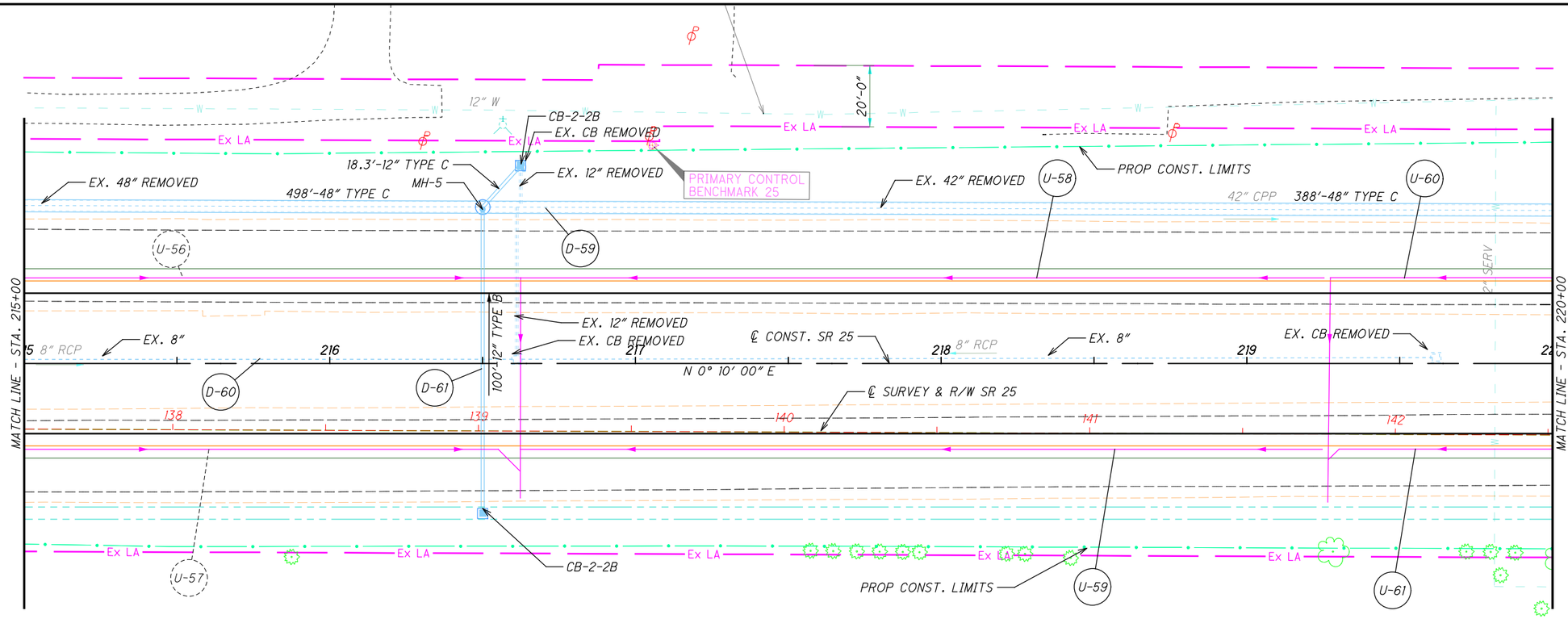


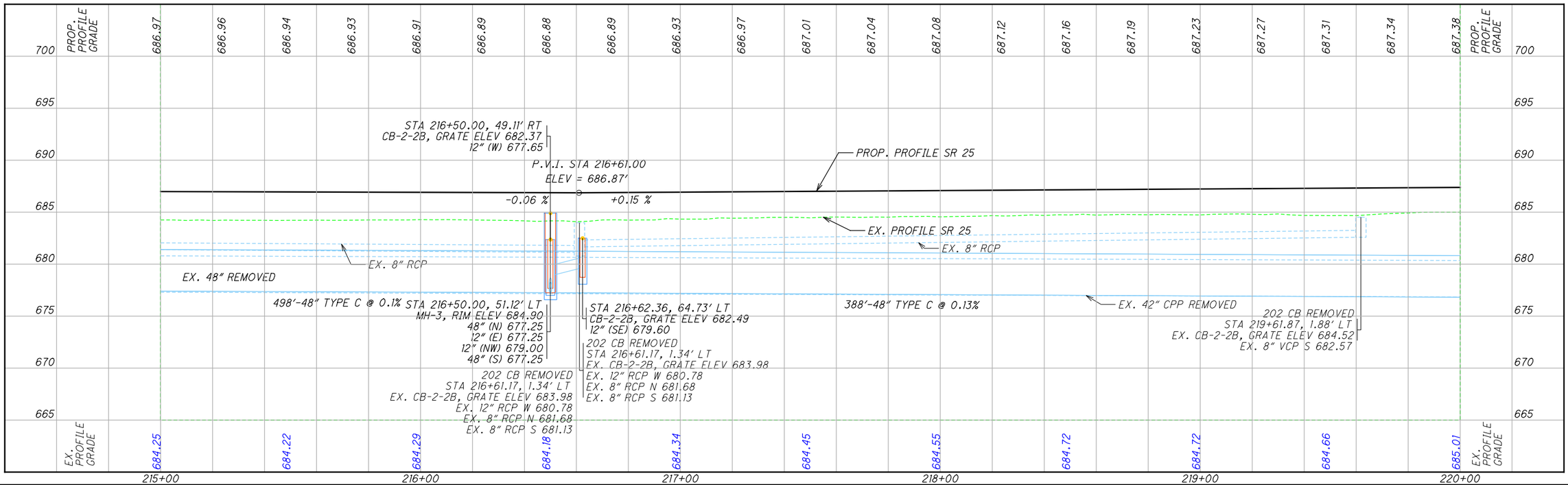
HORIZONTAL SCALE IN FEET
0 10 20 40
CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 210+00 TO STA. 215+00

WOO-25-0.75

88
465





HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

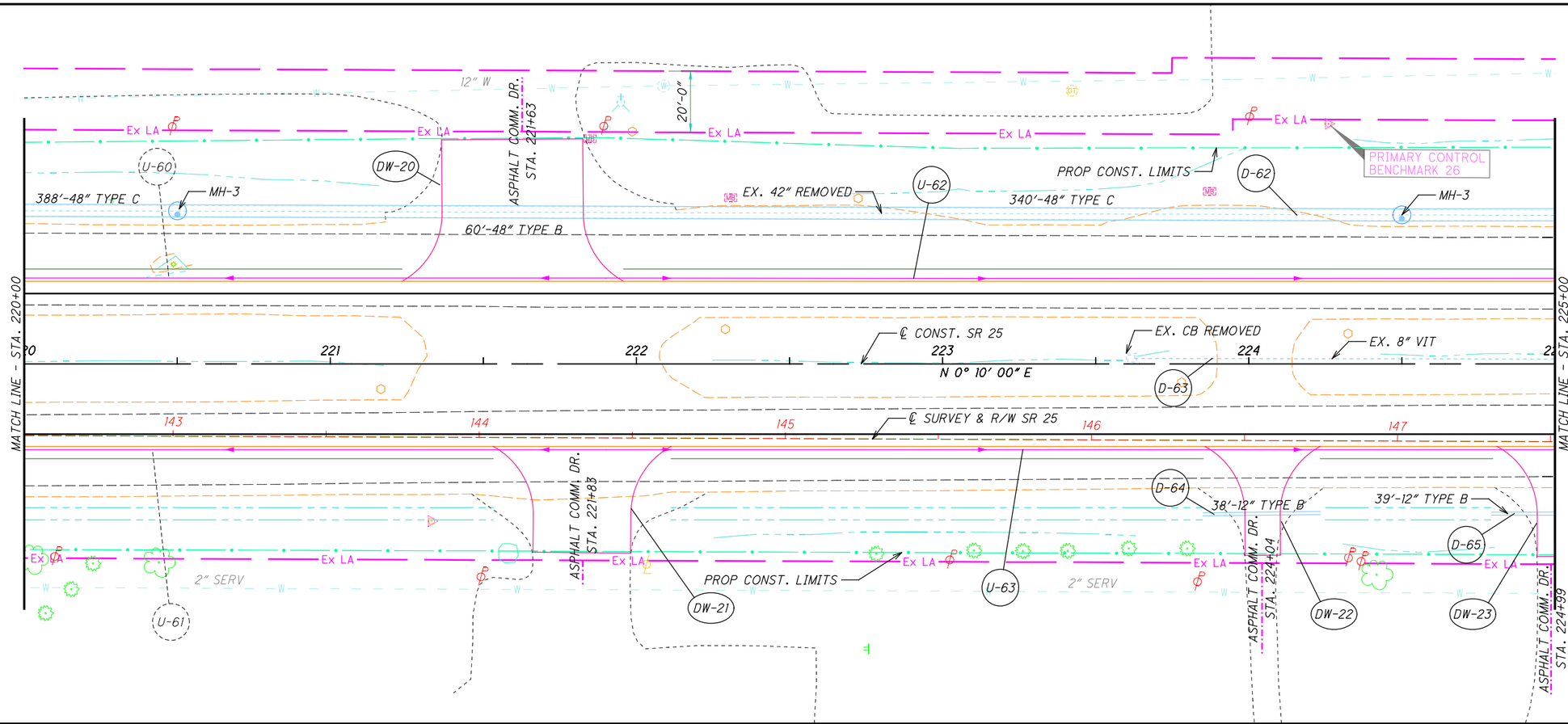
PLAN AND PROFILE
STA. 215+00 TO STA. 220+00

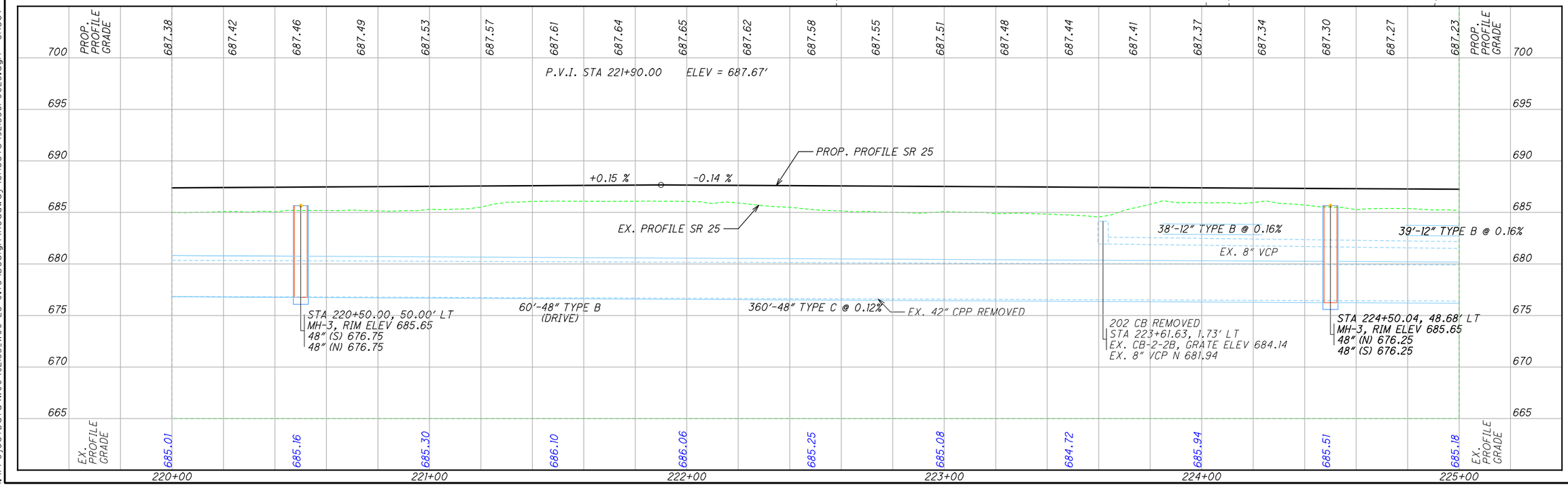
WOO-25-0.75

PLAN AND PROFILE
STA. 220+00 TO STA. 225+00

HORIZONTAL SCALE IN FEET: 0, 10, 20, 40

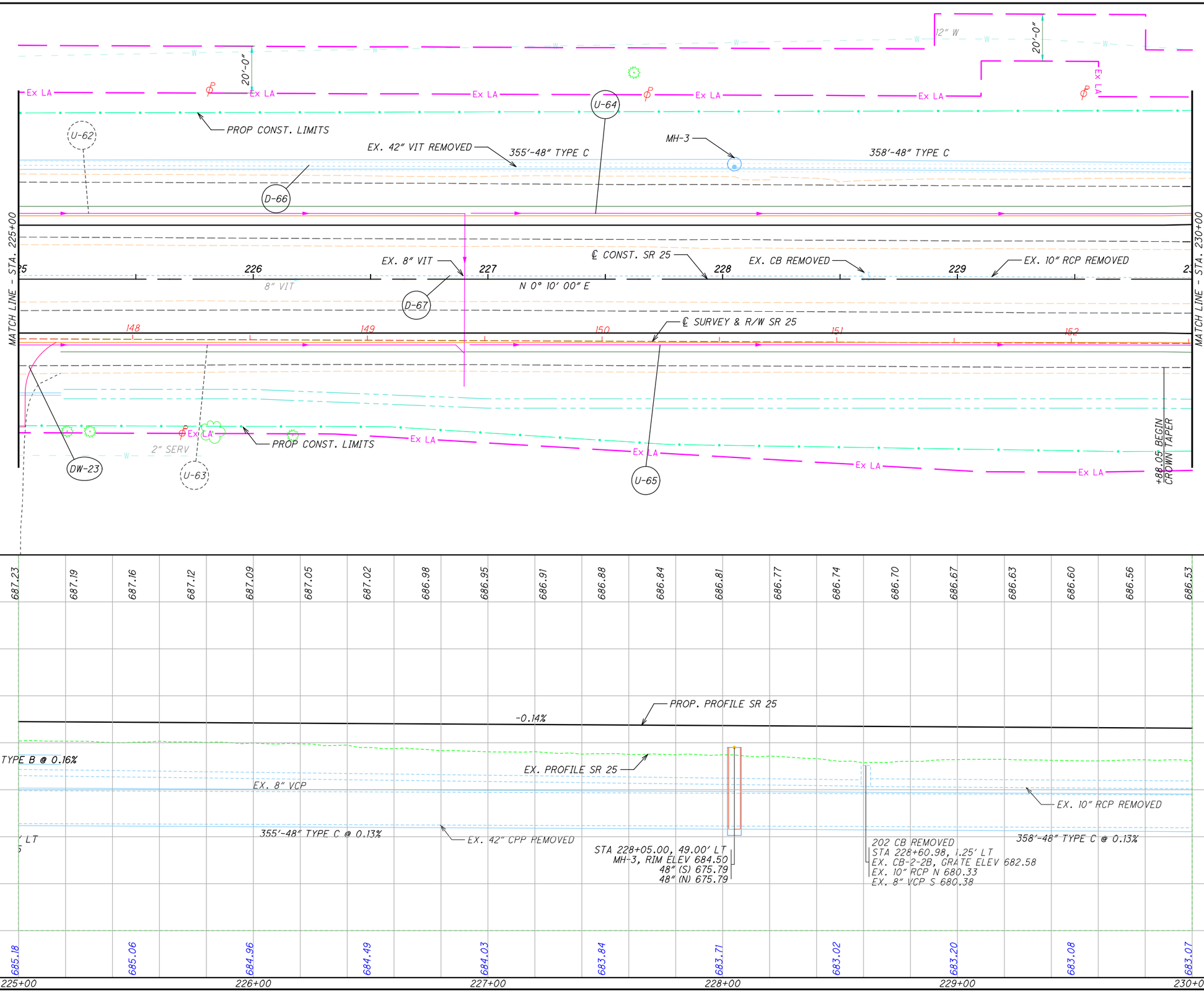
CALCULATED JLE | CHECKED XXX





WOO-25-0.75

I:\ProjectData\W00\92133_W00-25-0.75\Design\Roadway\Sheets\92133GP0025.dgn Sheet 1/18/2022 3:52:03 PM jerford

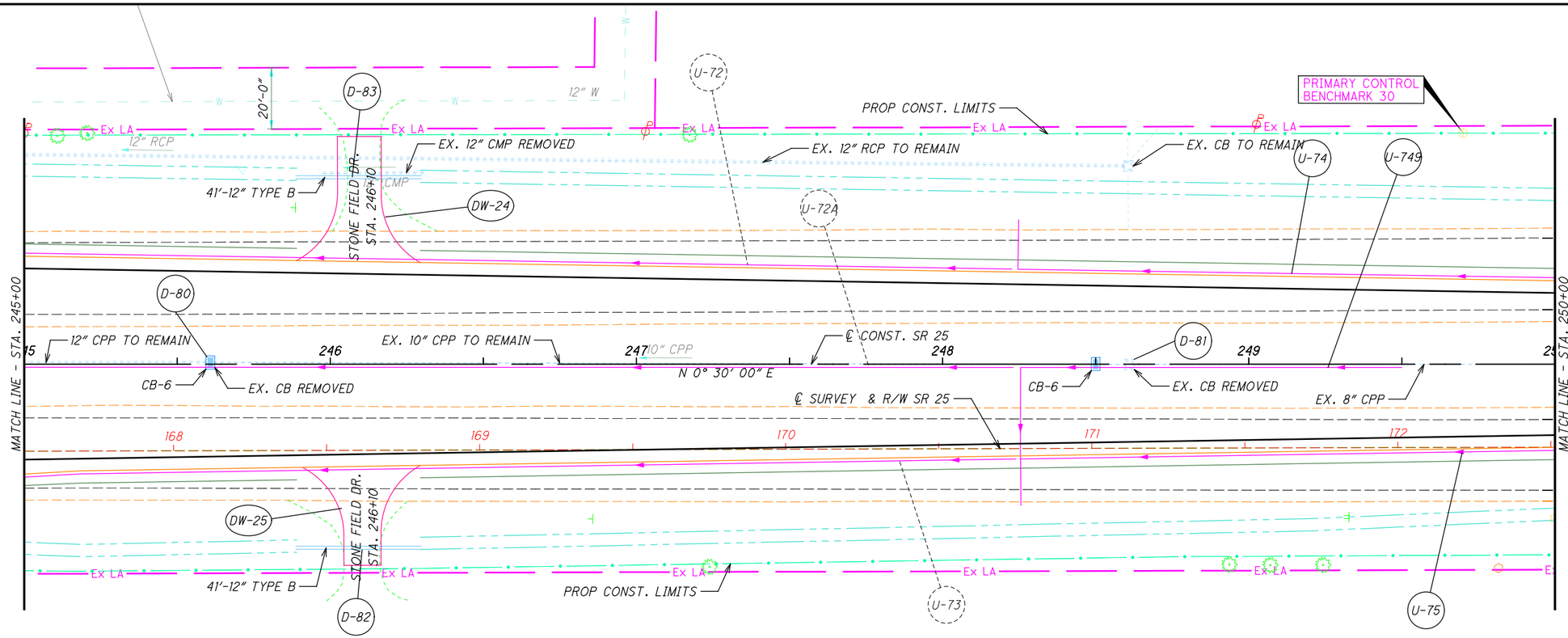


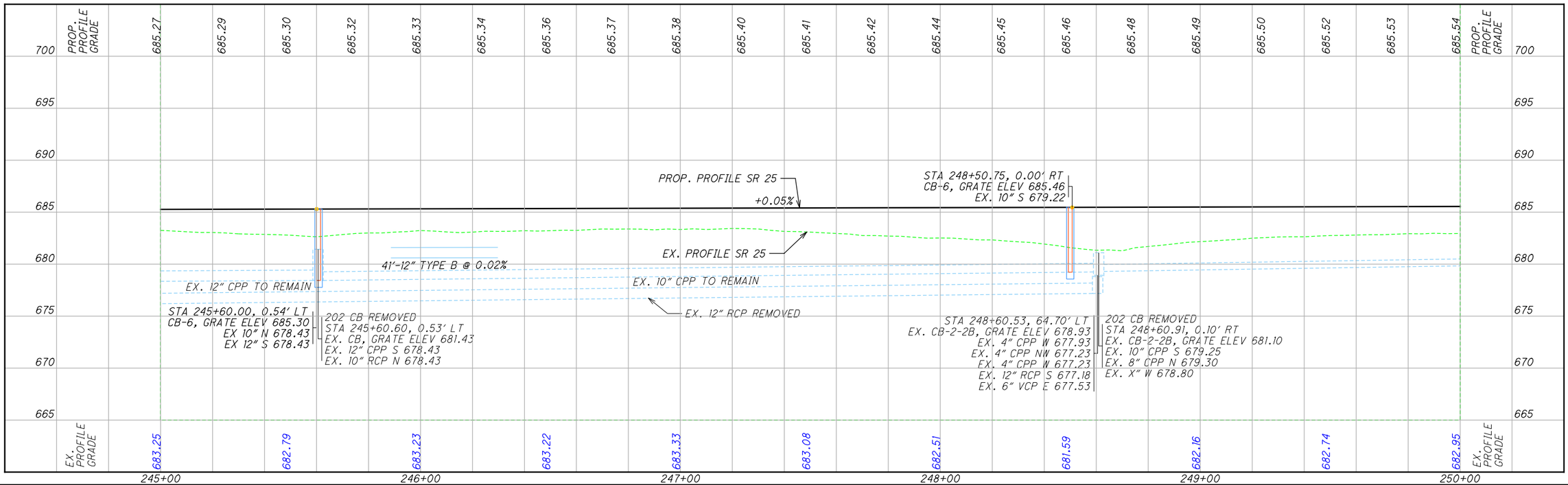
HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 225+00 TO STA. 230+00

WOO-25-0.75



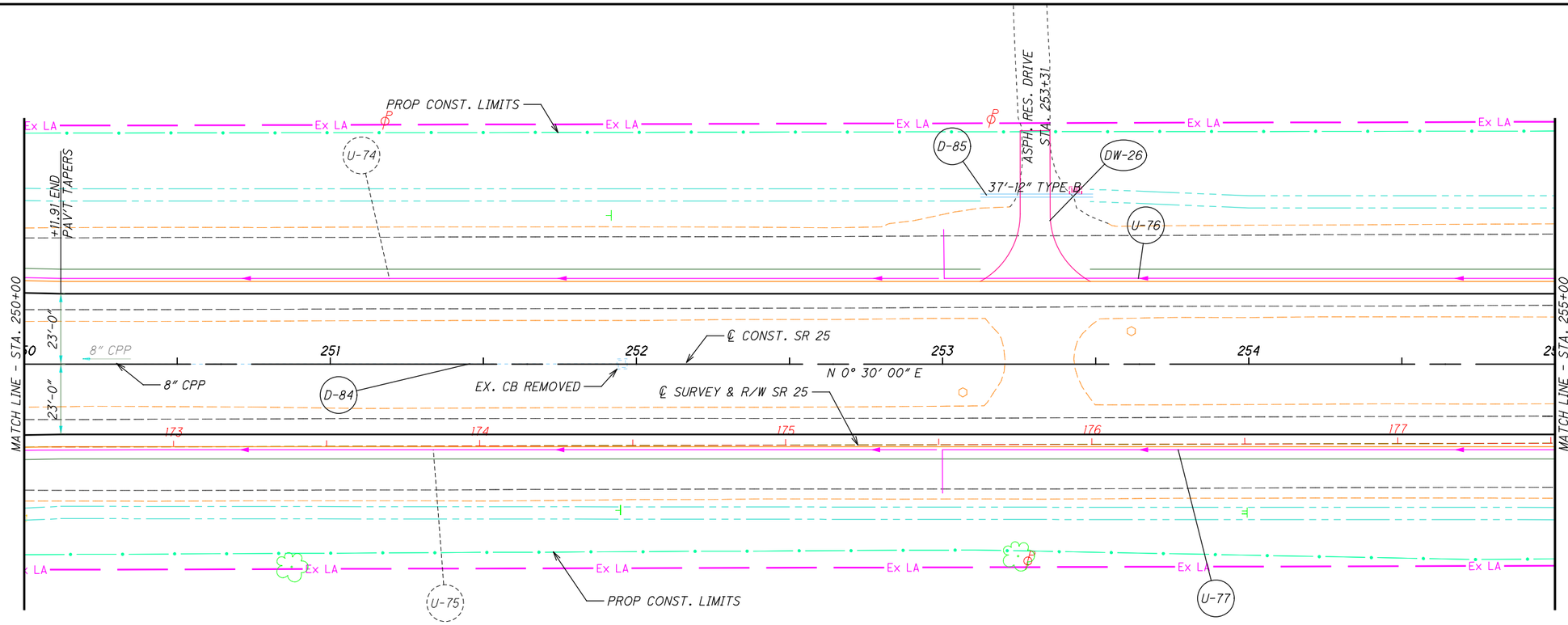


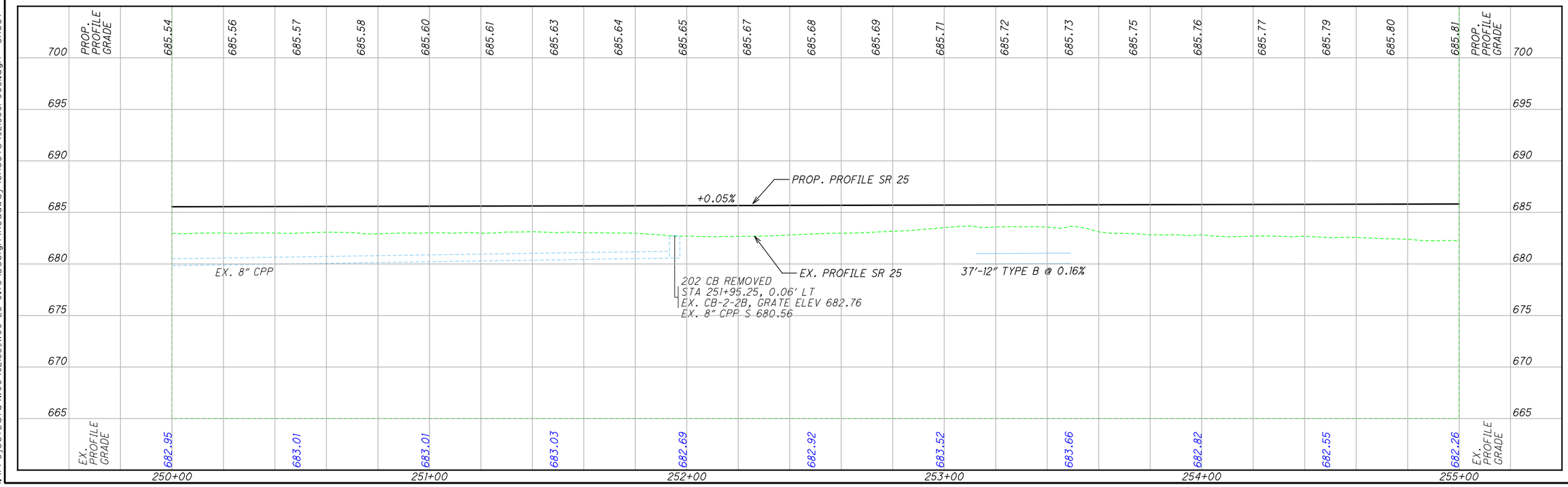
HORIZONTAL SCALE IN FEET

CALCULATED JLE CHECKED XXX

PLAN AND PROFILE
STA. 245+00 TO STA. 250+00

WOO-25-0.75





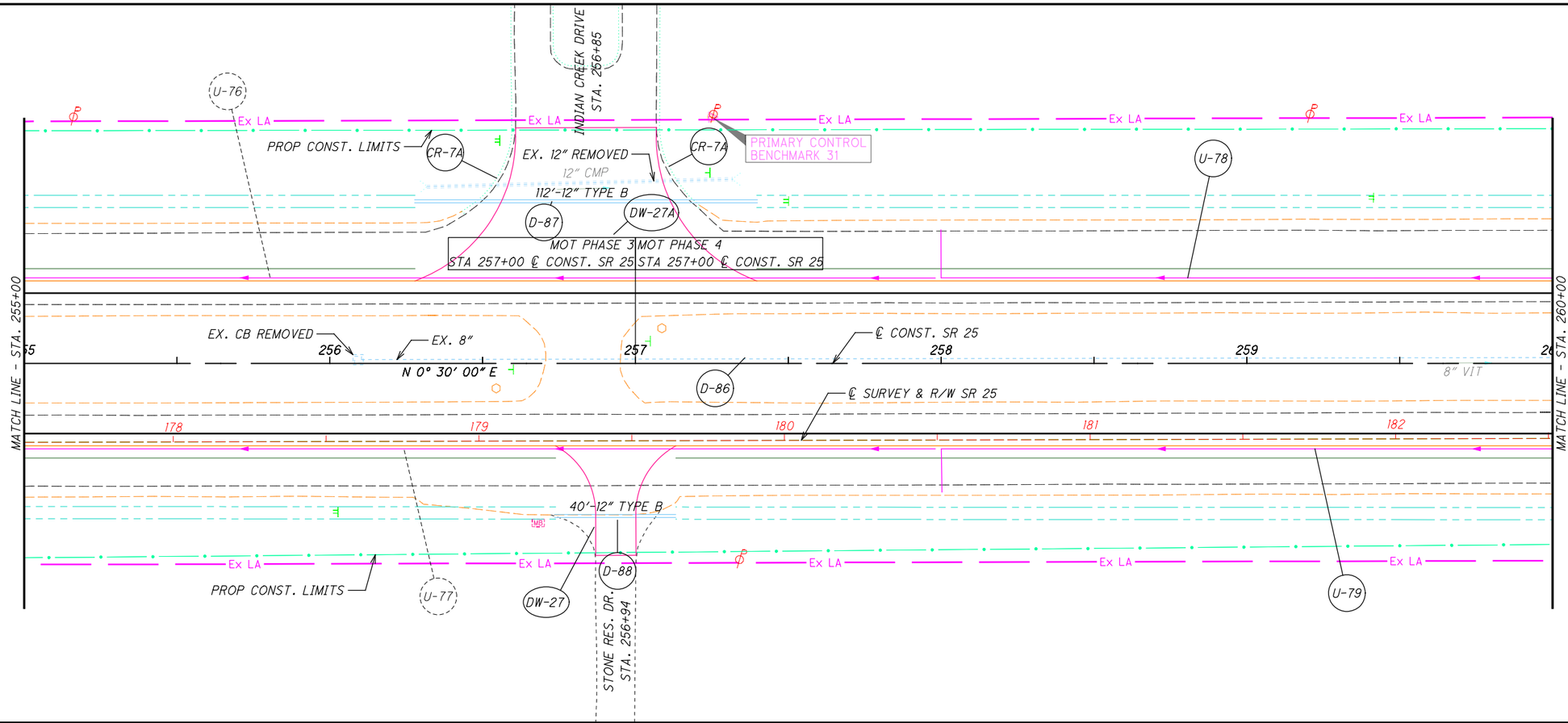
HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 250+00 TO STA. 255+00

WOO-25-0.75

96
465

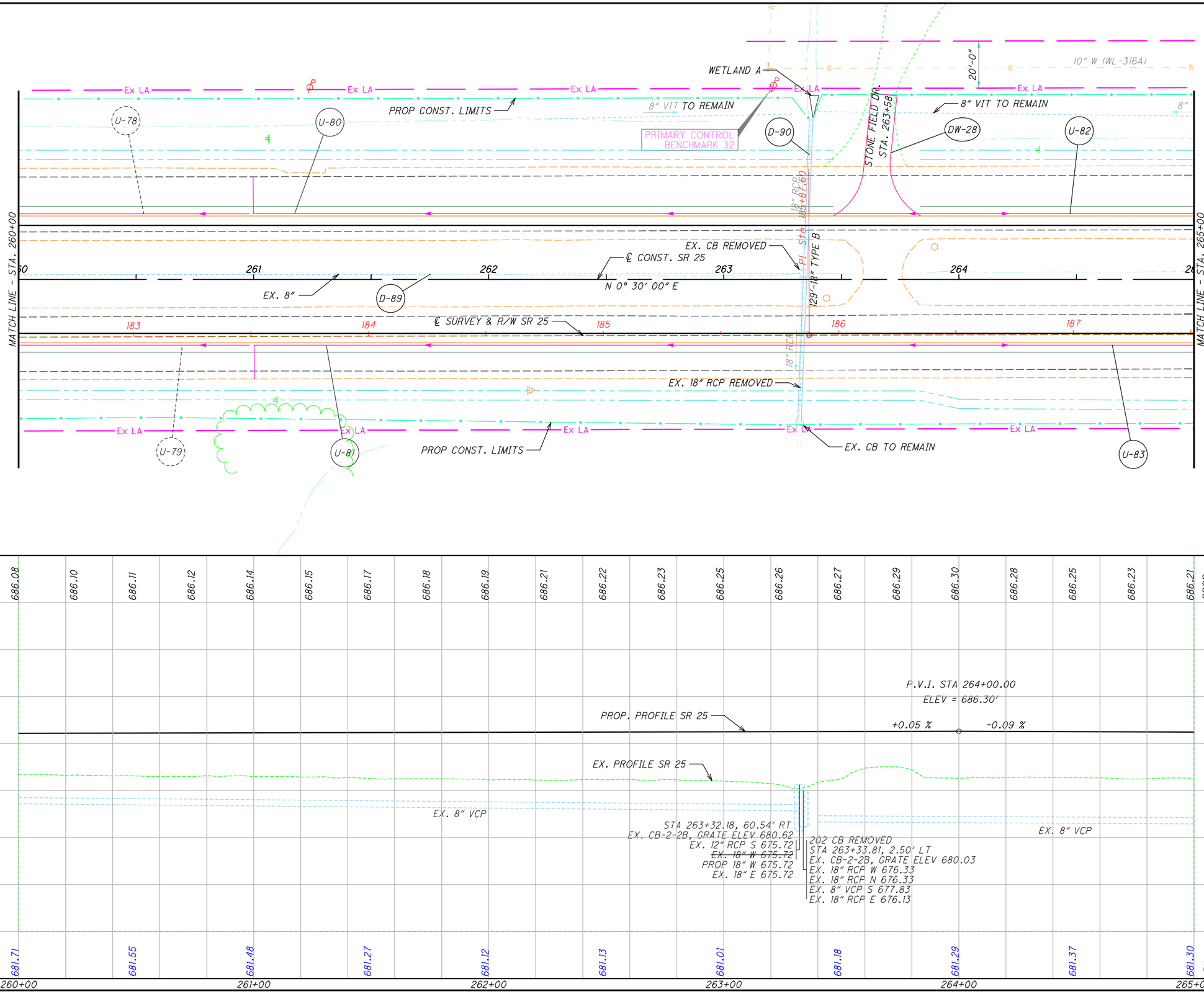


HORIZONTAL SCALE IN FEET

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 255+00 TO STA. 260+00

WOO-25-0.75



HORIZONTAL SCALE IN FEET
0 10 20 40

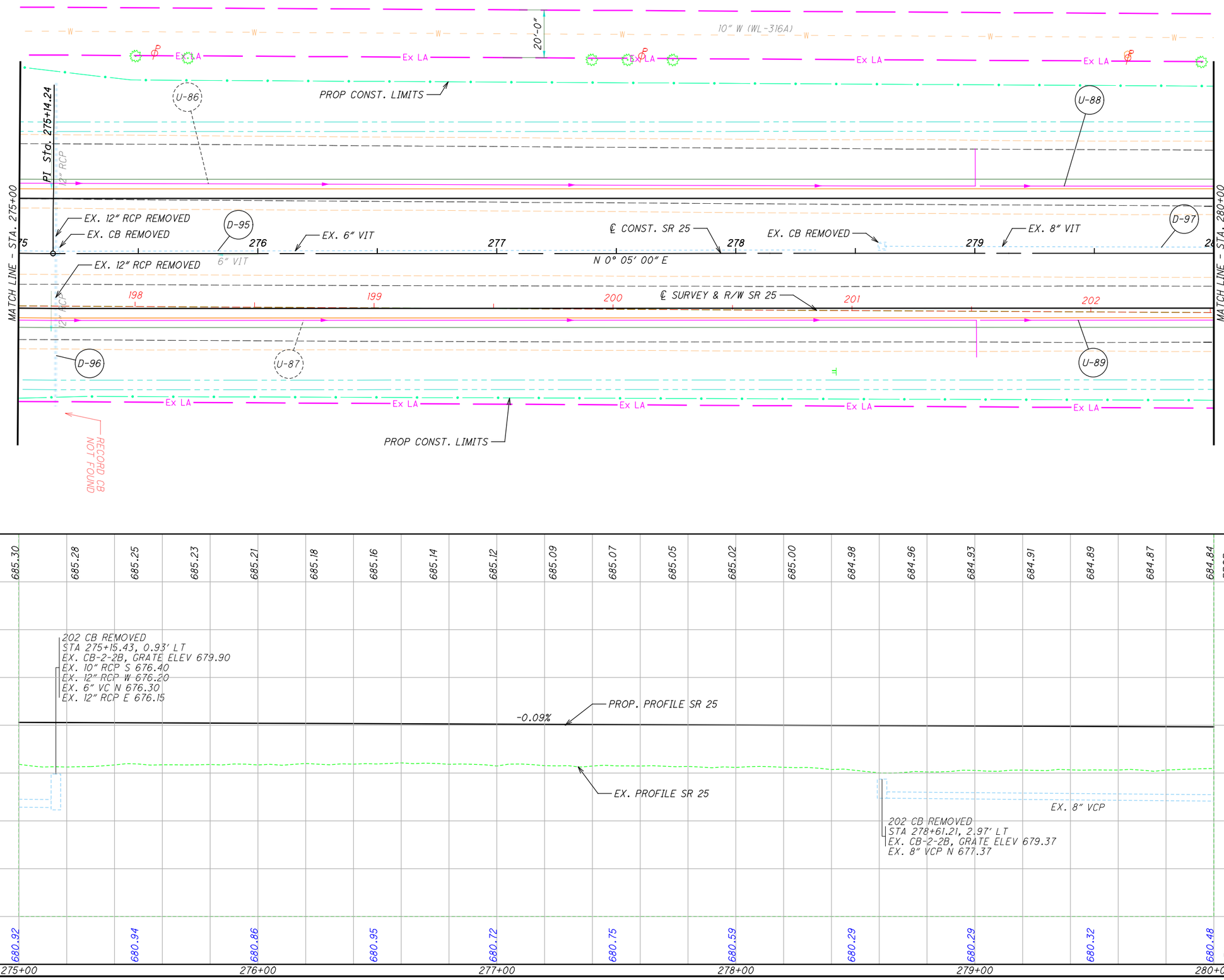
CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 260+00 TO STA. 265+00

WOO-25-0.75

98
465

I:\ProjectData\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133GP0033.dgn Sheet 1/18/2022 3:52:53 PM jerford

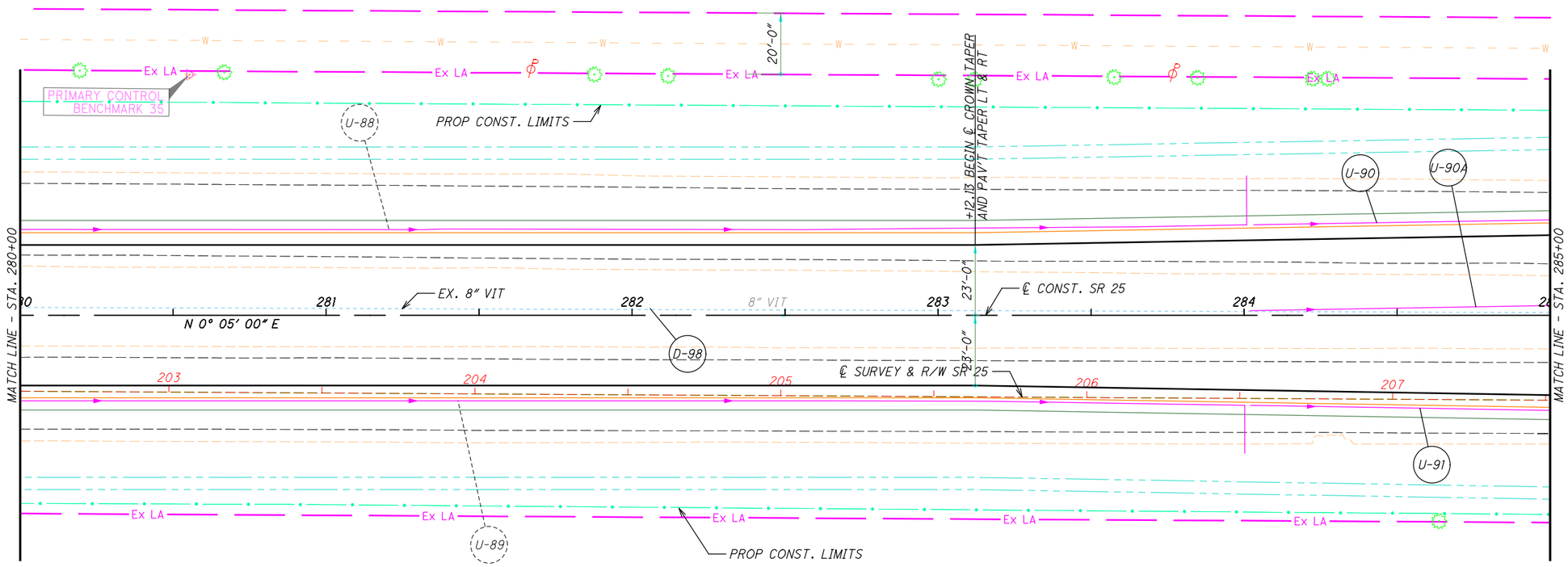


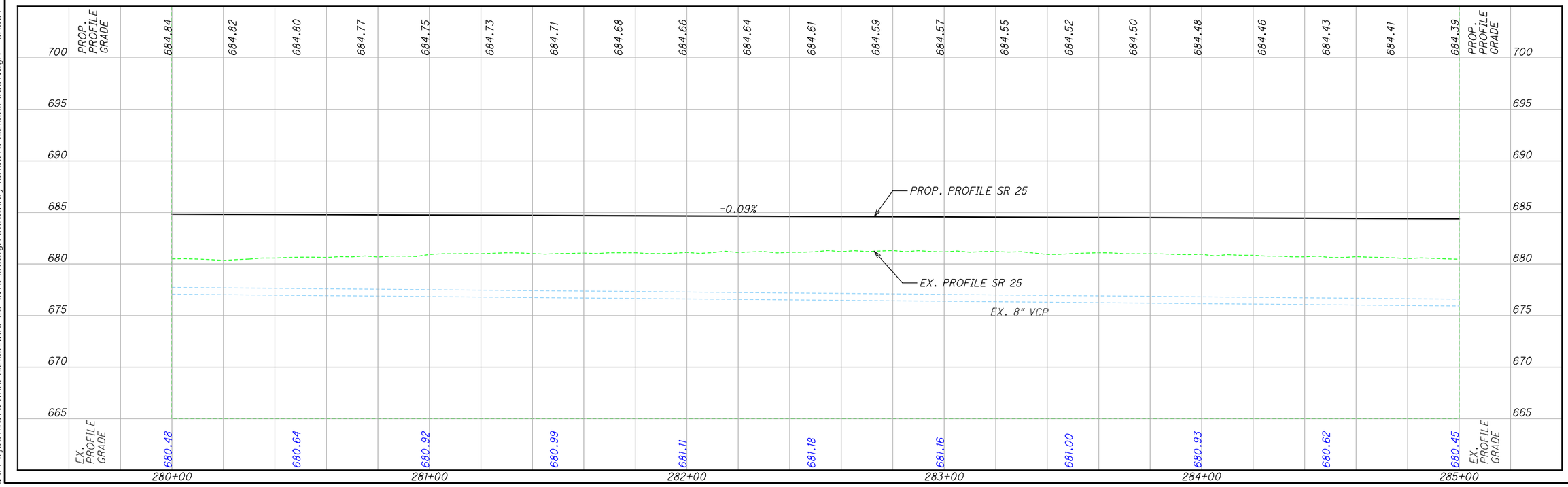
HORIZONTAL SCALE IN FEET

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 275+00 TO STA. 280+00

WOO-25-0.75



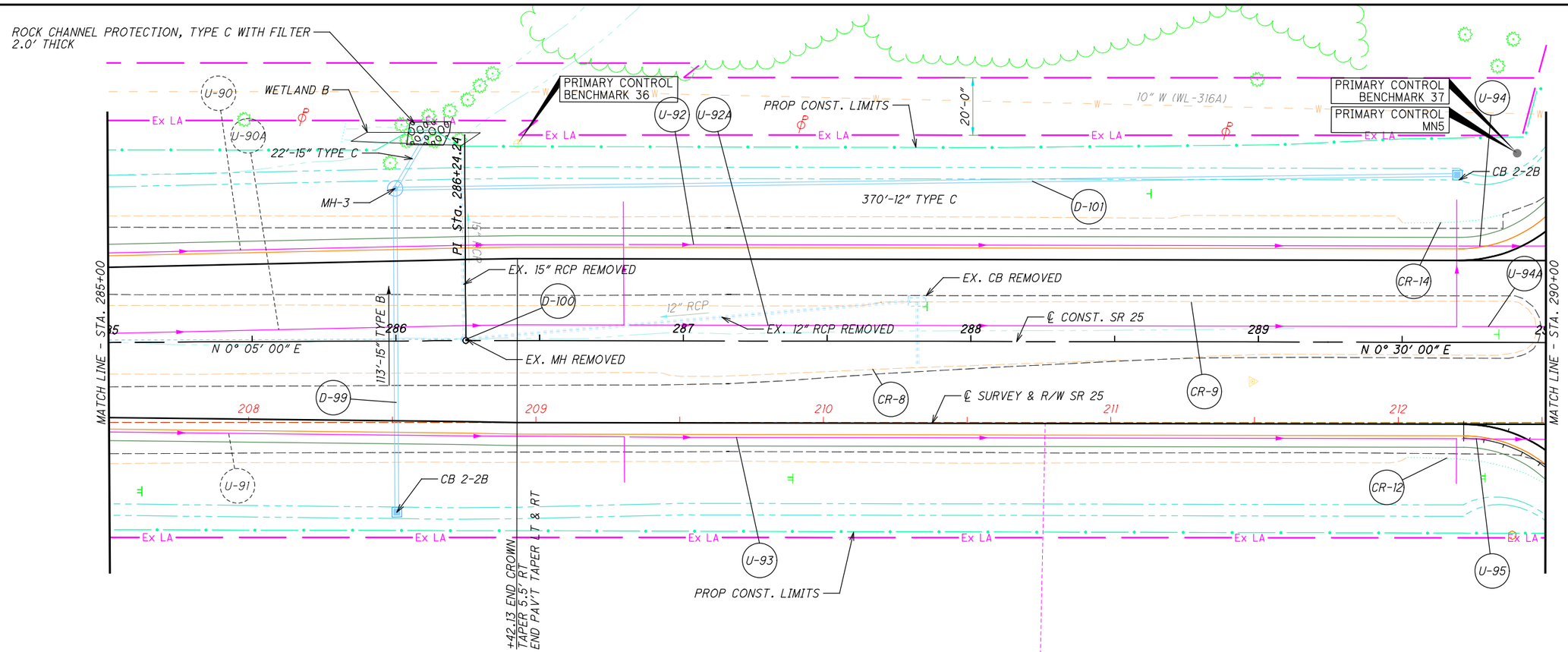


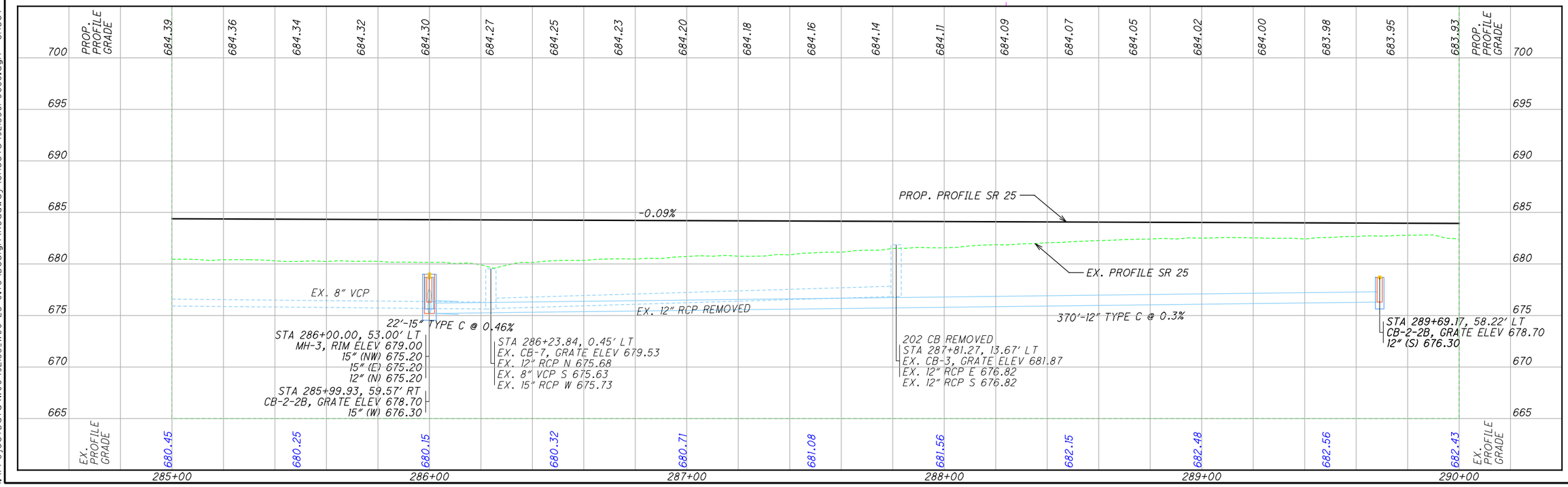
HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 280+00 TO STA. 285+00

WOO-25-0.75





HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA. 285+00 TO STA. 290+00

WOO-25-0.75

MOT PHASE 4 MOT PHASE 5
STA 300+50 ℄ CONST. SR 25 STA 300+50 ℄ CONST. SR 25

STONE RES. DR. STA. 300+71

U-96

EX. 8" CPP REMOVED

CB-2-2B

46'-12" TYPE B

DW-32

D-108

PRIMARY CONTROL BENCHMARK

U-98

20'-0"

10" W (WL-316A)

EX. CB REMOVED

D-110

MATCH LINE - STA. 300+00

MATCH LINE - STA. 305+00

301

302

303

304

N 0° 50' 00" E

℄ CONST. SR 25

℄ SURVEY & R/W SR 25

EX. CB REMOVED

EX. 8" VIT REMOVED

D-111

RECORD CB NOT FOUND

223

224

225

226

227

DW-33

CB-2-2B

D-109

DW-34

135'-12" TYPE B

105'-12" TYPE B

140'-12" TYPE B

EX. 15" RCP REMOVED

U-97

PROP. CONST. LIMITS

ASPH. RES. DR. STA. 302+23

U-99

EX. 8"

STONE RES. DR. STA. 302+60

D-109A

DW-35

STONE RES. DR. STA. 303+66

EX. 15" RCP REMOVED

DW-36

STONE COM. DR. STA. 304+87

PROP. SR 25 PROFILE

EX. SR 25 PROFILE

+0.06%

STA 301+60.00, 41.00' RT
CB-2-2B, GRATE ELEV 680.50
12" (N) 678.20

STA 302+95.00, 41.00' RT
CB-2-2B, GRATE ELEV 680.58
12" (S) 677.90
12" (N) 677.90

STA 304+00.00, 41.00' RT
CB-2-2B, GRATE ELEV 680.65
12" (S) 677.67
12" (N) 677.67

46'-12" TYPE B (DRIVE)

STA 300+99.54, 56.16' LT
CB-2-2B, GRATE ELEV 677.63
12" (S) 675.65

135'-12" TYPE B @ 0.22%

EX. 8" CPP

202 CB REMOVED
STA 302+62.00, 2.44' RT
EX. CB-2-2B, GRATE ELEV 680.52
EX. 8" VCP N 678.57

EX. 8" VCP REMOVED

105'-12" TYPE B @ 0.22%

202 CB REMOVED
STA 303+49.42, 54.02' RT
EX. CB-2-2B, GRATE ELEV 681.17
EX. 15" SMP N 677.62
EX. 15" RCP W 677.67
EX. 8" RCP S 677.87

202 CB REMOVED
STA 303+50.52, 2.96' RT
EX. CB-2-2B, GRATE ELEV 680.79
EX. 8" VCP N 677.84
EX. 15" RCP E 677.69
EX. 8" VCP S 677.89

STA 303+60.67, 63.74' LT
EX. CB-2-2B, GRATE ELEV 678.03
EX. 8" VCP S 676.23

EX. 8" VCP REMOVED

140'-12" TYPE B @ 0.22%

EX. 15" RCP REMOVED

202 CB REMOVED
STA 304+63.20, 0.25' RT
EX. CB-2-2B, GRATE ELEV 680.17
EX. 8" VCP S 678.42

	PROP. PROFILE GRADE	683.05	683.08	683.10	683.12	683.14	683.16	683.18	683.21	683.23	683.25	683.27	683.29	683.31	683.33	683.35	683.38	683.40	683.42	683.44	683.46	683.48	PROP. PROFILE GRADE	
EX. PROFILE GRADE		681.94		682.09		682.55		682.13		681.85		681.13		682.11		681.05		681.36		680.70		680.77		EX. PROFILE GRADE

700 695 690 685 680 675 670 665

300+00 301+00 302+00 303+00 304+00 305+00

N

HORIZONTAL SCALE IN FEET
0 10 20 40

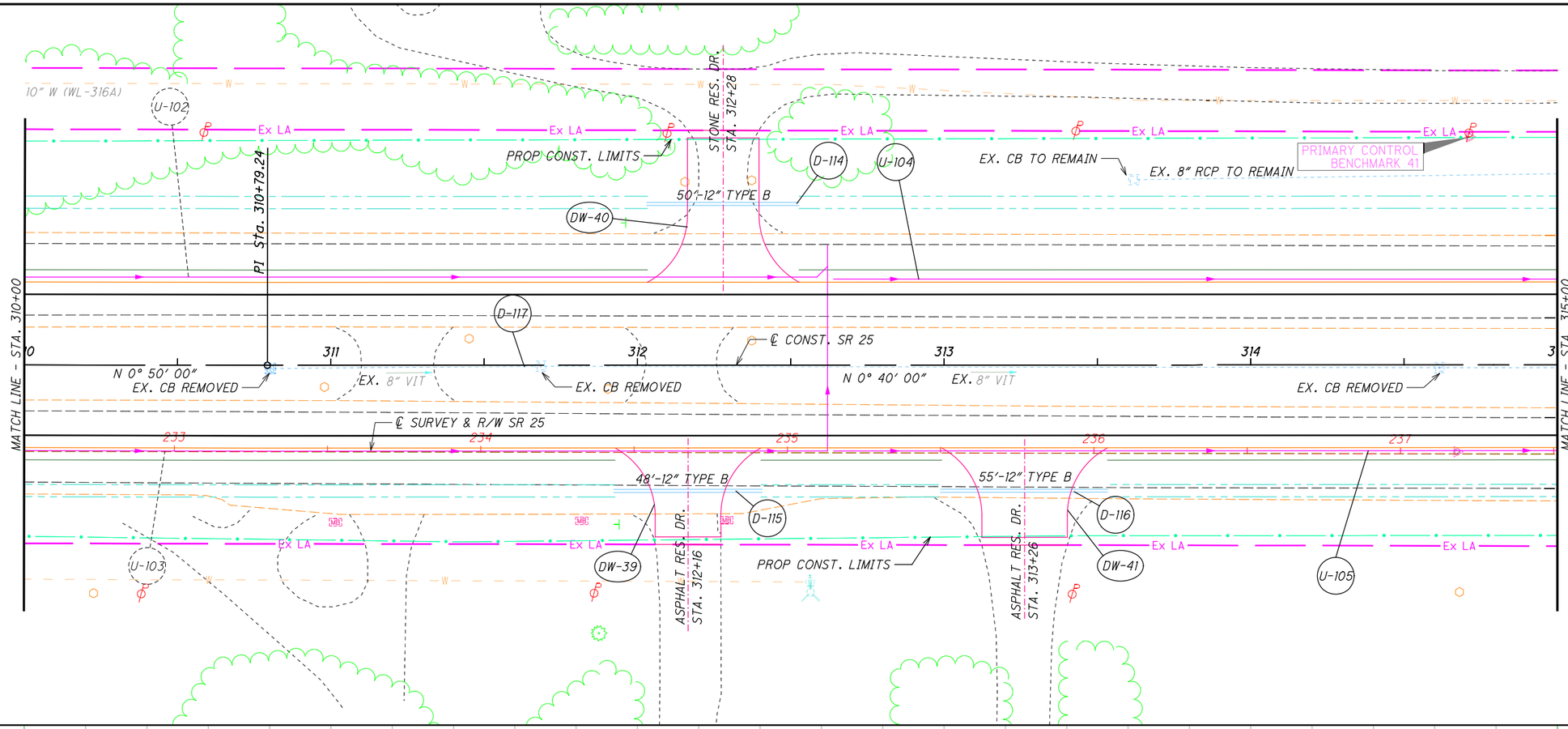
CALCULATED JLE
CHECKED JMF

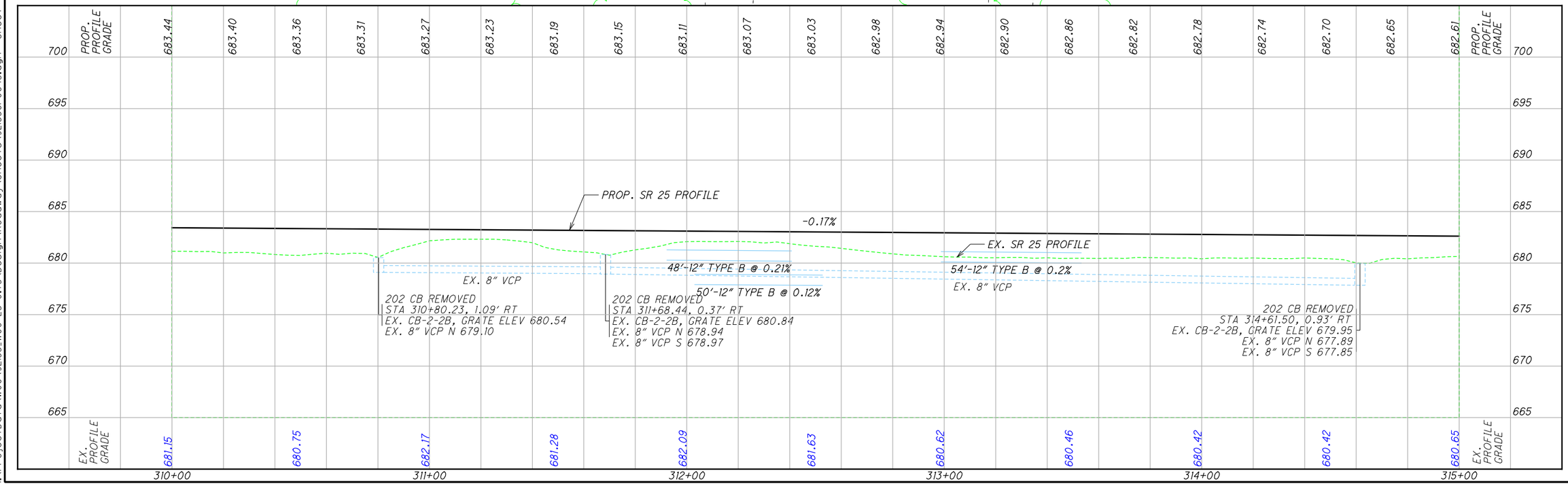
PLAN AND PROFILE
STA. 300+00 TO STA. 305+00

WOO-25-0.75

106
465

I:\ProjectData\W00\92133_W00-25-0.75\Design\Roadway\Sheets\92133GP004I.dgn Sheet 1/18/2022 3:53:35 PM jerford



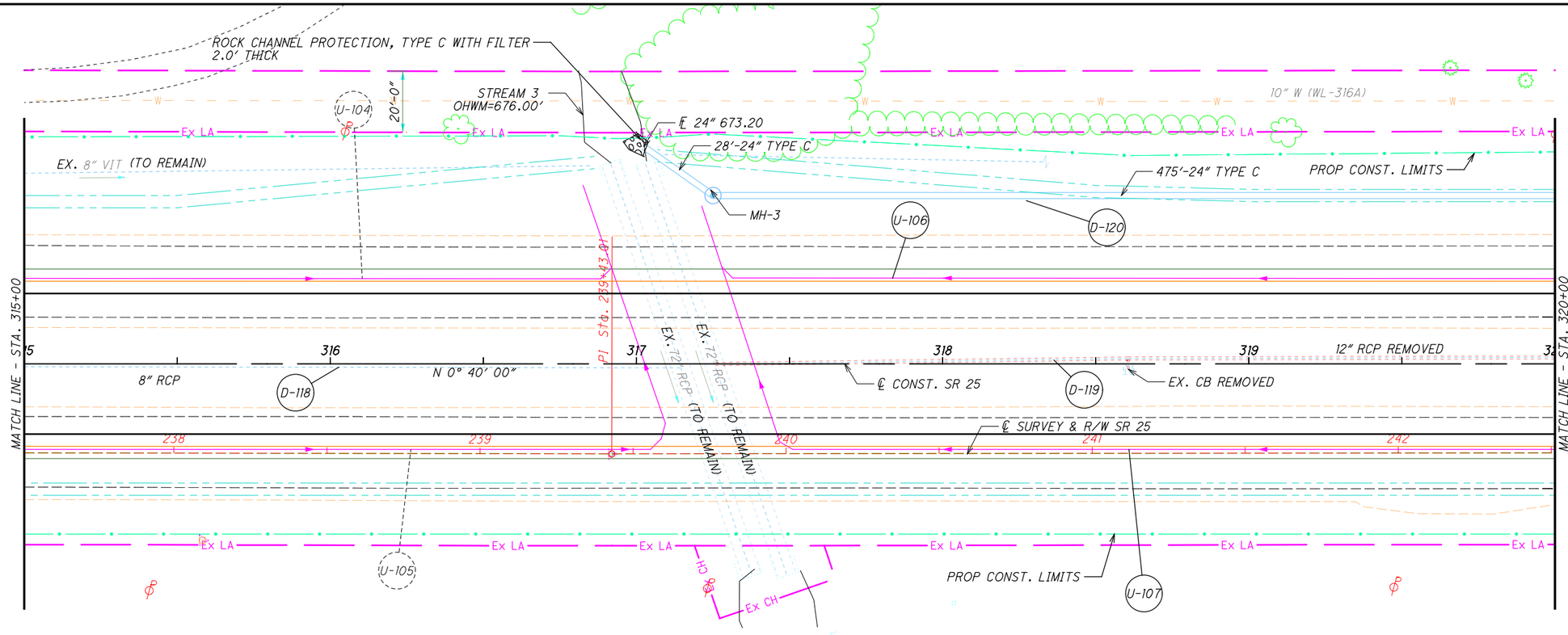


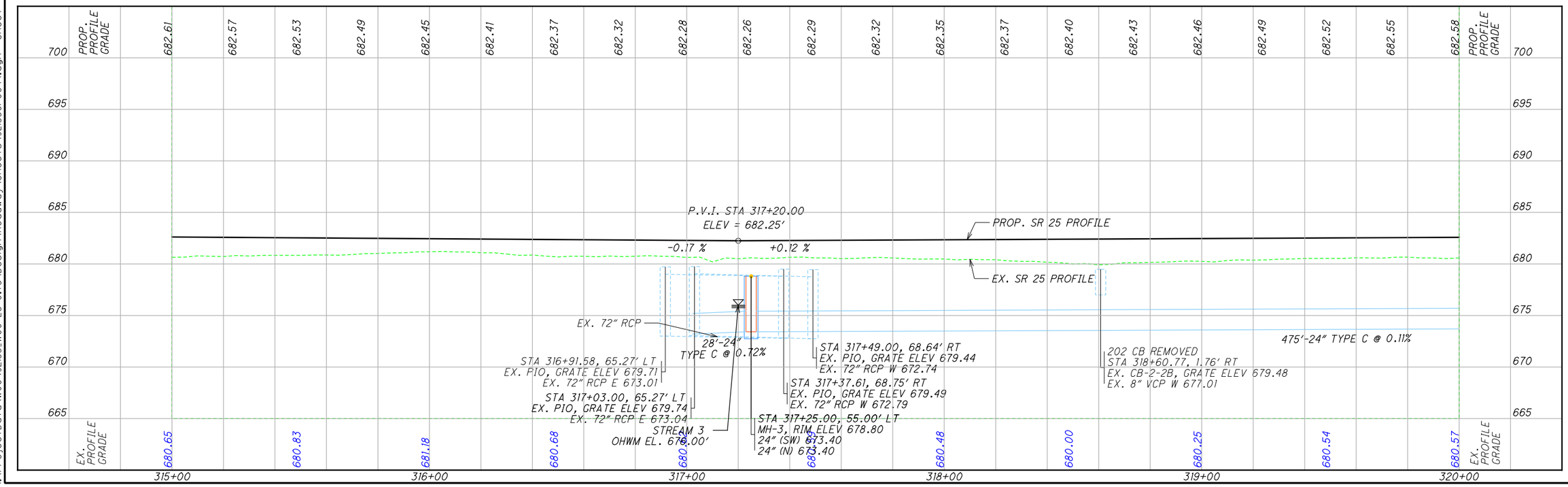
PLAN AND PROFILE
STA. 310+00 TO STA. 315+00

WOO-25-0.75

CALCULATED JLE
CHECKED JMF

HORIZONTAL SCALE IN FEET
0 10 20 40



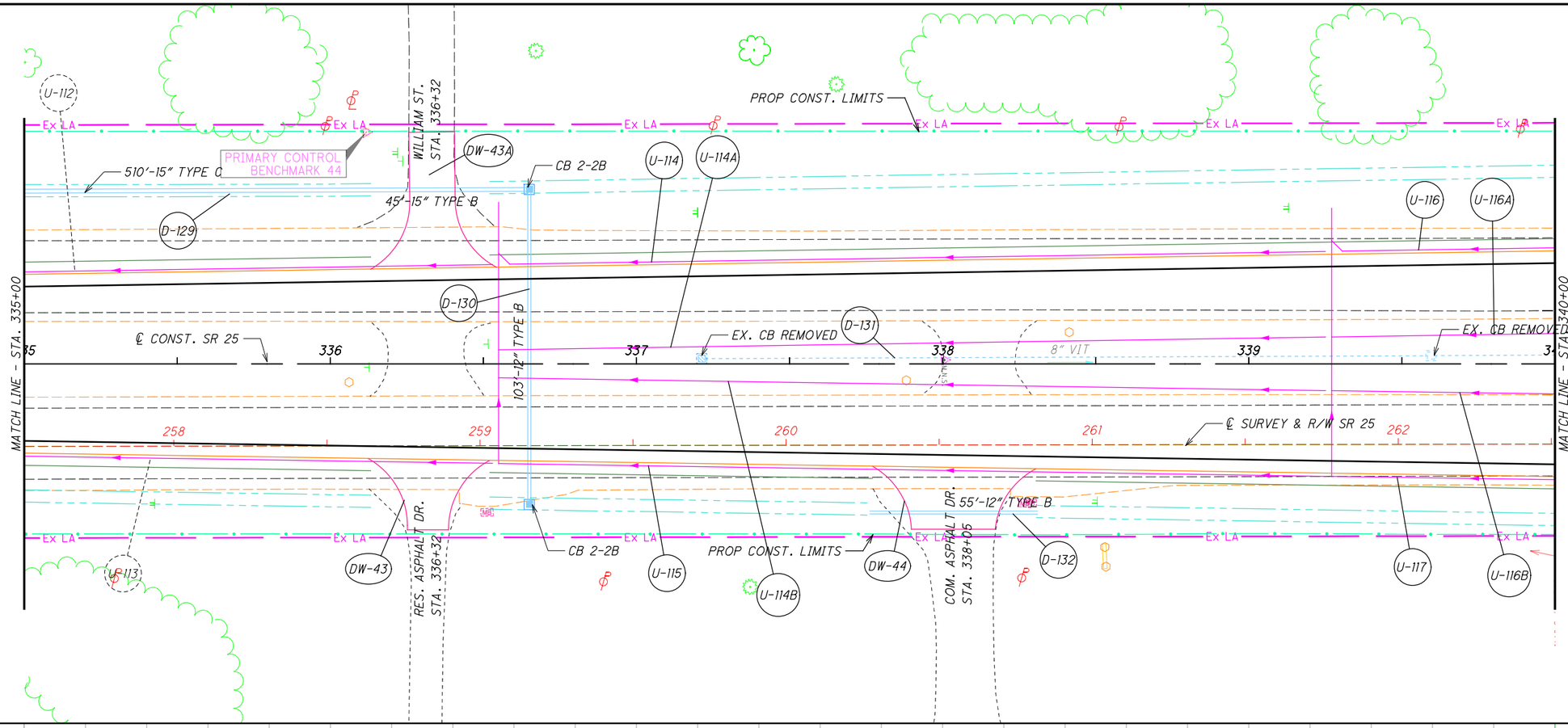


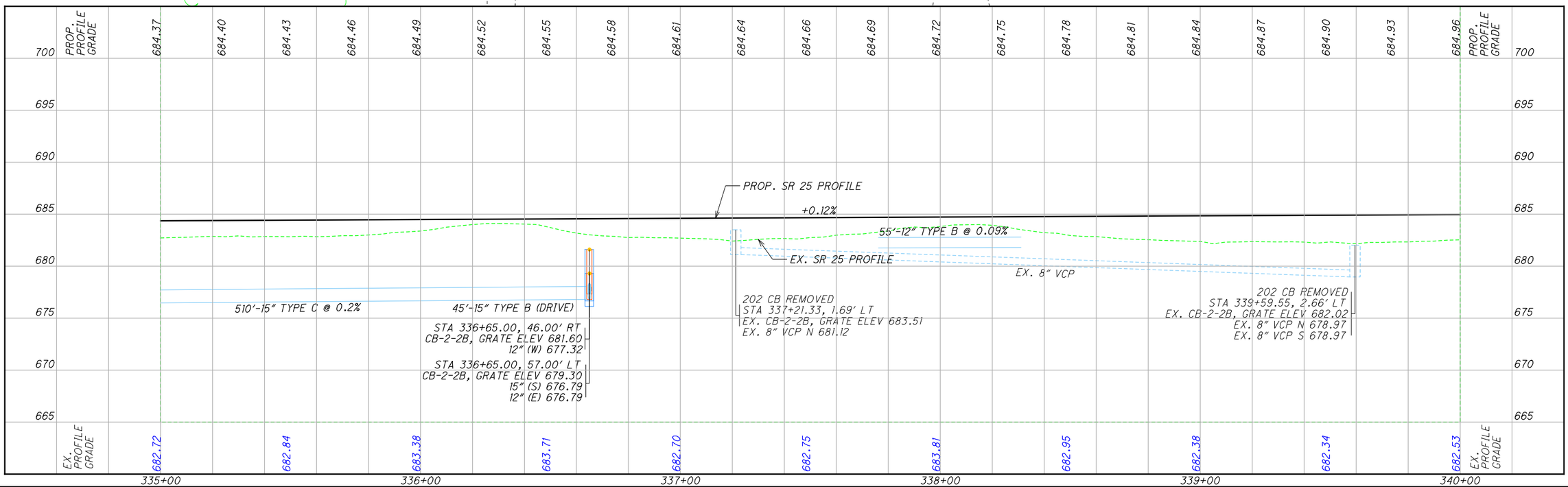
HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED JMF

PLAN AND PROFILE
STA. 315+00 TO STA. 320+00

WOO-25-0.75





HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED JMF

PLAN AND PROFILE
STA. 335+00 TO STA. 340+00

WOO-25-0.75

PRIMARY CONTROL BENCHMARK 45
PRIMARY CONTROL MNG
EX. 12" TO REMAIN
MOT PHASE 5 STA 343+25 ℄ CONST. SR 25
MOT PHASE 6 STA 343+25 ℄ CONST. SR 25
PROP CONST. LIMITS
MH 5
EX. CB REMOVED
EX. 10" RCP REMOVED
CB 2-2B
221'-12" TYPE C
U-116
U-118
U-118A
D-135
CR-28
CR-29
GREENSBURG PIKE STA. 343+45
RECORD MH NOT FOUND
20'-0"
+72.23 END PAV'T TAPER LT & RT
118'-12" TYPE B
CR-26
EX. 8" RCP
34'+0"
EX. 12" RCP REMOVED
EX. CB REMOVED
℄ CONST. SR 25
N 0° 40' 00" E
124'-12" TYPE B
D-136
Sta. 266+22.54
STA. 340+00 SR 25
STA. 345+00 SR 25
341
342
343
344
D-133
D-134
CR-25
263
264
265
266
267
34'-0"
℄ SURVEY & R/W SR 25
U-118B
8" RCP
12" RCP
8" VCP
12" PVC
EX. CB TO REMAIN
U-117
CR-24
CR-27
U-119
DW-45
RECORD INLET NOT FOUND
PROP CONST. LIMITS
SEE INTERSECTION DETAIL SHEET 405
GREENSBURG PIKE STA. 341+15
12" RCP
EX. 12" TO REMAIN
CB 2-2B
EX. CB REMOVED
EX. 12" TO REMAIN
ASPHALT COM. DR. STA. 343+42
EX. CB TO REMAIN ADJUSTED TO GRADE
+00 BEGIN PAV'T TAPER LT & RT
EX. CB TO REMAIN
EX. 12" TO REMAIN

PROP. PROFILE GRADE
EX. PROFILE GRADE
PROP. SR 25 PROFILE
EX. SR 25 PROFILE
STA 341+00.00, 65.00' LT
CB-2-2B, GRATE ELEV 679.70
12" (E) 677.70
12" (N) 677.70
P.V.I. STA 342+00.00
ELEV = 685.20'
+0.12 %
-0.14 %
STA 342+81.79, 53.16' RT
CB-2-2B, GRATE ELEV 681.31
12" (N) 677.75
12" (W) 677.70
EX. 12" (S) 679.03
202 CB REMOVED
STA 342+81.73, 53.13' RT
EX. CB-2-2B, GRATE ELEV 681.49
EX. 12" PVC N 678.89
EX. 6" PVC NE 678.92
EX. 12" RCP S 679.03
STA 343+20.80, 65.00' LT
MH-3, RIM ELEV 683.15
12" (S) 677.23
12" (E) 677.23
EX. 12" (W) 677.23
EX. 12" RCP
EX. 12" PVC
221'-12" TYPE C @ 0.21%
202 CB REMOVED
STA 340+97.84, 53.46' RT
EX. CB-2-2B, GRATE ELEV 684.02
EX. 8" VCP N 678.94
EX. 6" RCP E 678.35
EX. 8" VCP S 678.12
EX. 12" RCP W 678.02
202 CB REMOVED
STA 340+99.07, 3.34' LT
EX. CB-2-2B, GRATE ELEV 683.36
EX. 12" RCP N 677.56
EX. 12" RCP E 677.92
EX. 8" RCP S 678.45
EX. 8" RCP W 678.45
EX. 6" RCP X 678.20
202 CB REMOVED
STA 343+20.62, 3.70' LT
EX. CB-2-2B, GRATE ELEV 683.53
EX. 12" RCP N 677.53
EX. 12" RCP E 677.41
EX. 12" RCP S 677.63
EX. 12" RCP W 677.33
STA 343+20.52, 53.02' RT
EX. CB-2-2B, GRATE ELEV ~~684.24~~ 684.14
EX. 12" PVC N 678.04
~~EX. 12" PVC S 678.54~~
EX. 12" RCP W 677.54
12" S 678.04
202 CB REMOVED
STA 343+77.30, 3.44' LT
EX. CB, GRATE ELEV 683.30
EX. 12" RCP S 677.80
STA 344+37.76, 52.26' RT
EX. CB-2-2B, GRATE ELEV 681.70
EX. 12" PCS S 678.75
EX. 6" PVC NE 678.78

700 695 690 685 680 675 670 665
684.96 684.99 685.02 685.05 685.08 685.11 685.14 685.17 685.20 685.17 685.13 685.10 685.06 685.02 684.99 684.95 684.92 684.88 684.85 684.81 684.78
682.53 683.36 683.58 683.71 683.57 683.42 683.66 683.67 683.82 683.78 683.67
340+00 341+00 342+00 343+00 344+00 345+00

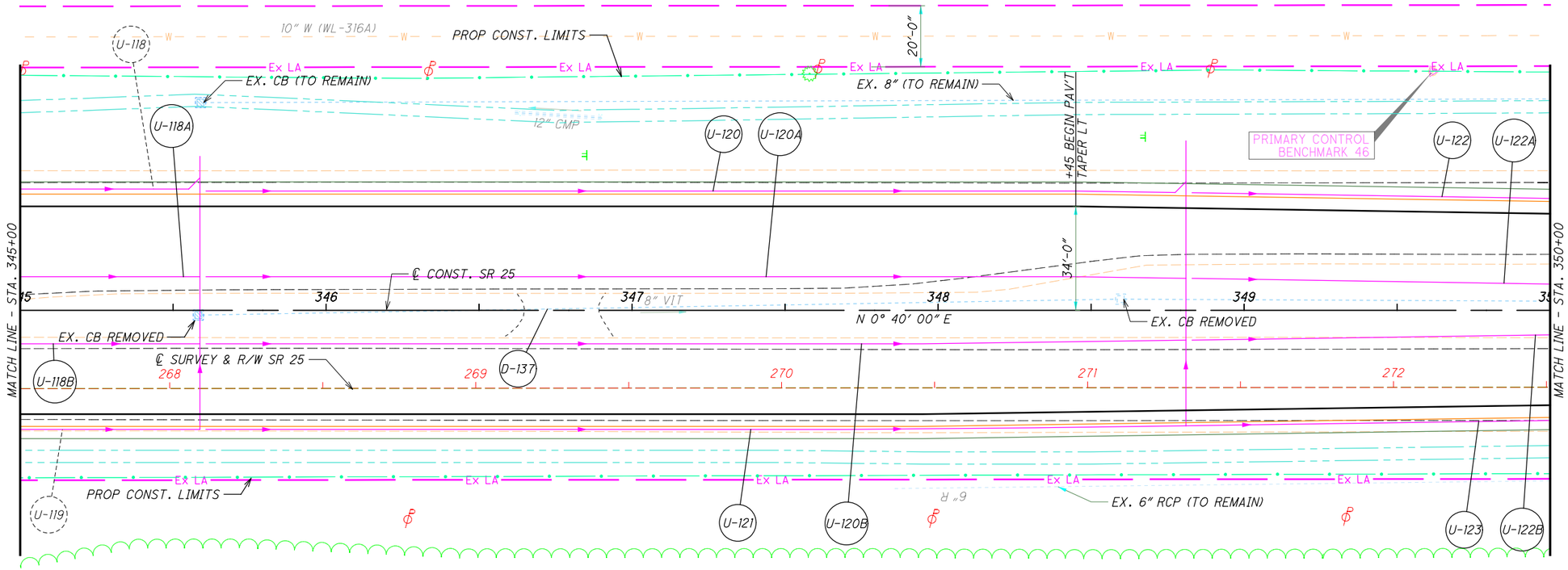
HORIZONTAL SCALE IN FEET
0 10 20 40
CALCULATED JLE
CHECKED XXX

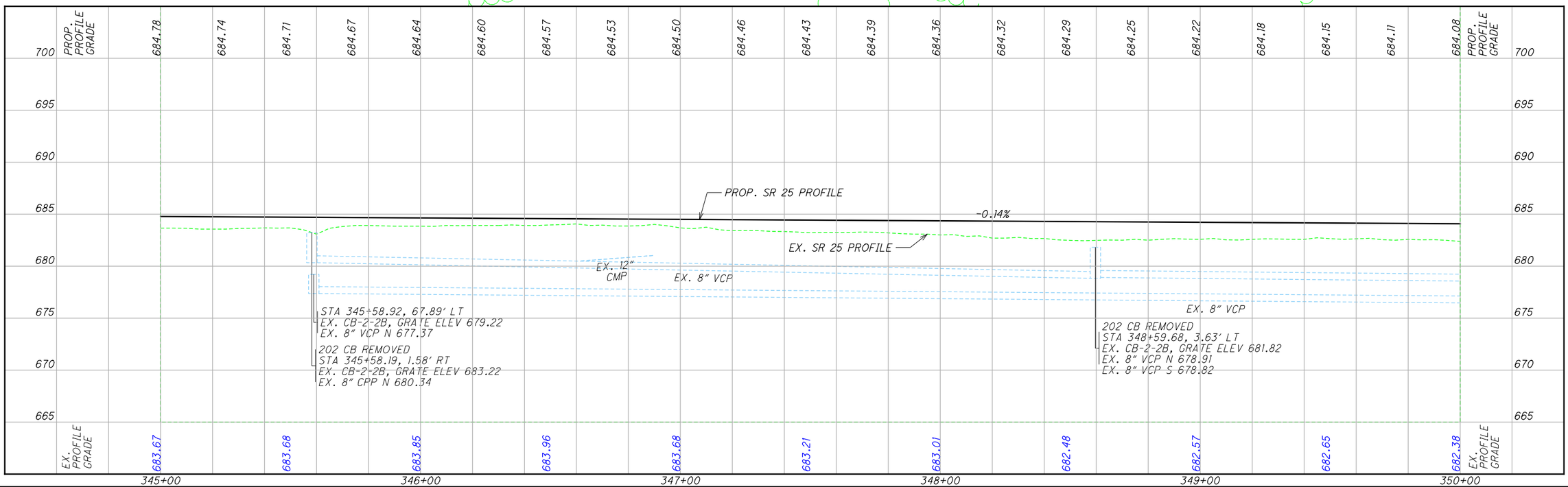
PLAN AND PROFILE
STA. 340+00 TO STA. 345+00

WOO-25-0.75

114
465

I:\ProjectData\W00\92133_W00-25-0.75\Design\Roadway\Sheets\92133GP0049.dgn Sheet 1/18/2022 3:54:20 PM jerford



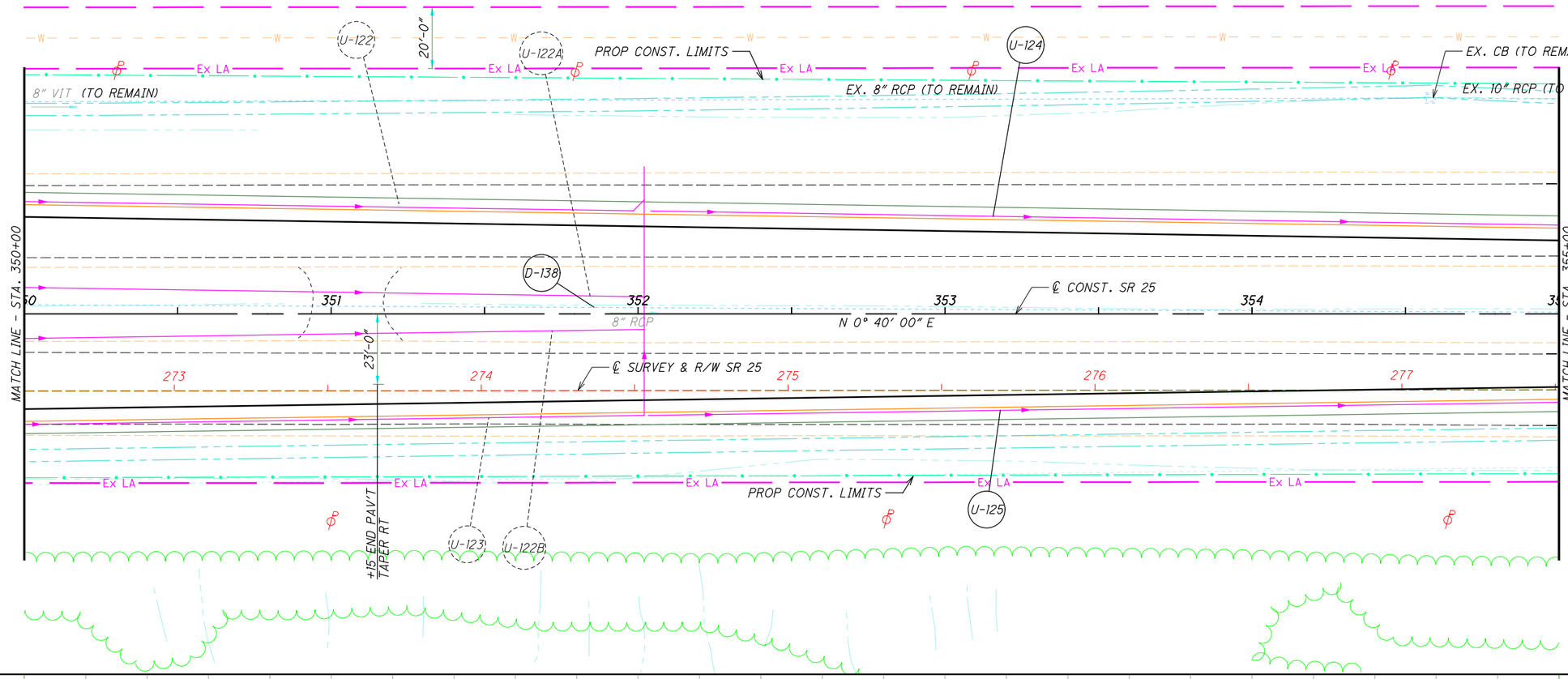


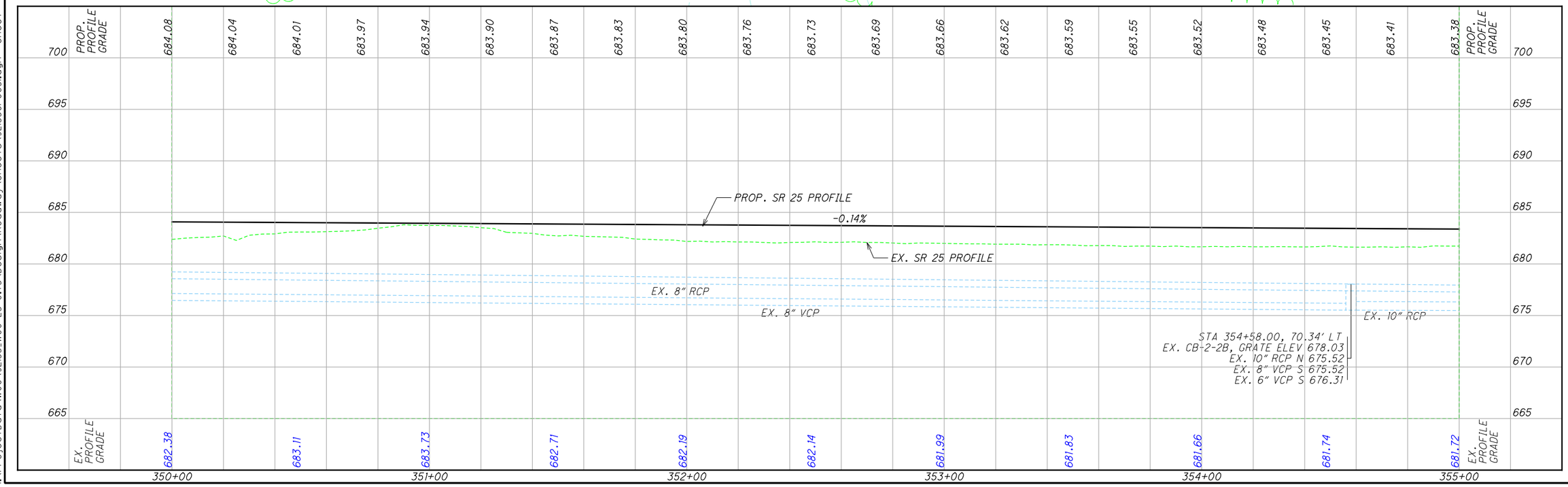
HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED JMF

PLAN AND PROFILE
STA. 345+00 TO STA. 350+00

WOO-25-0.75



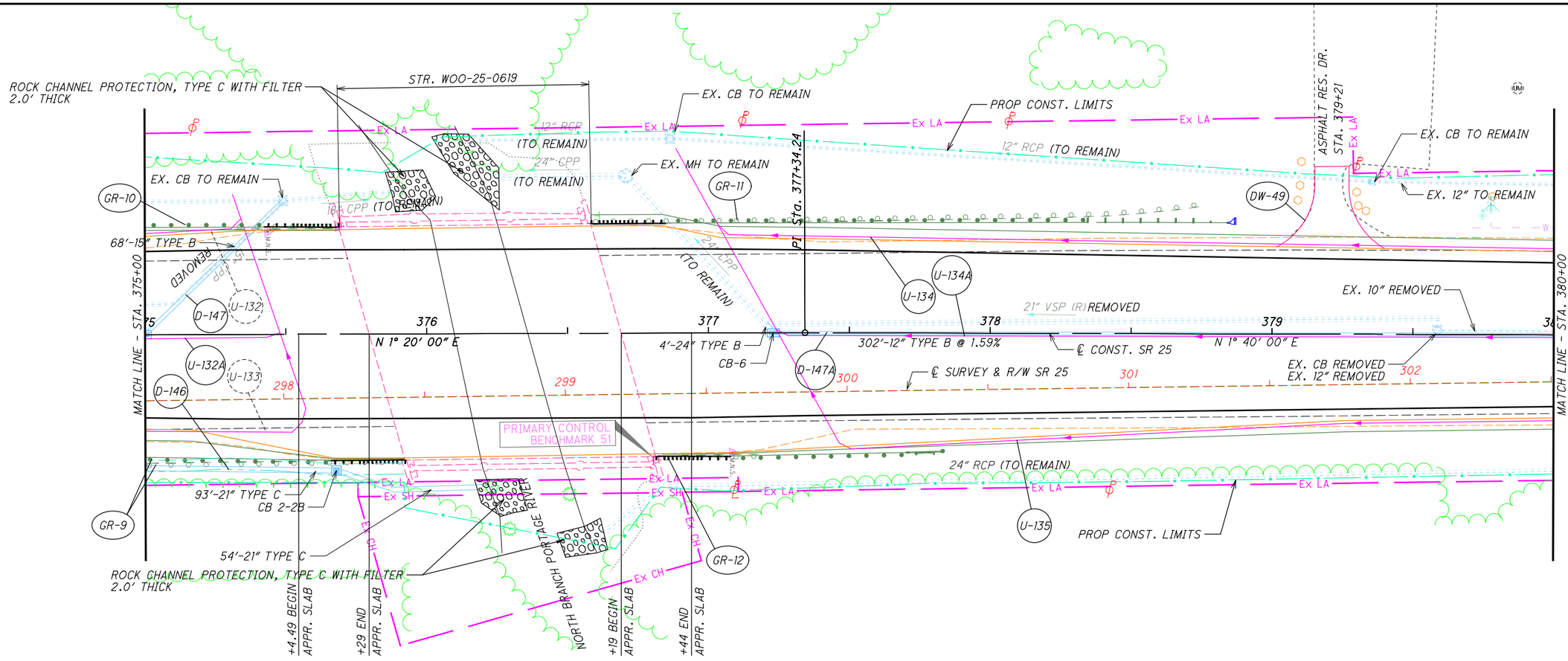


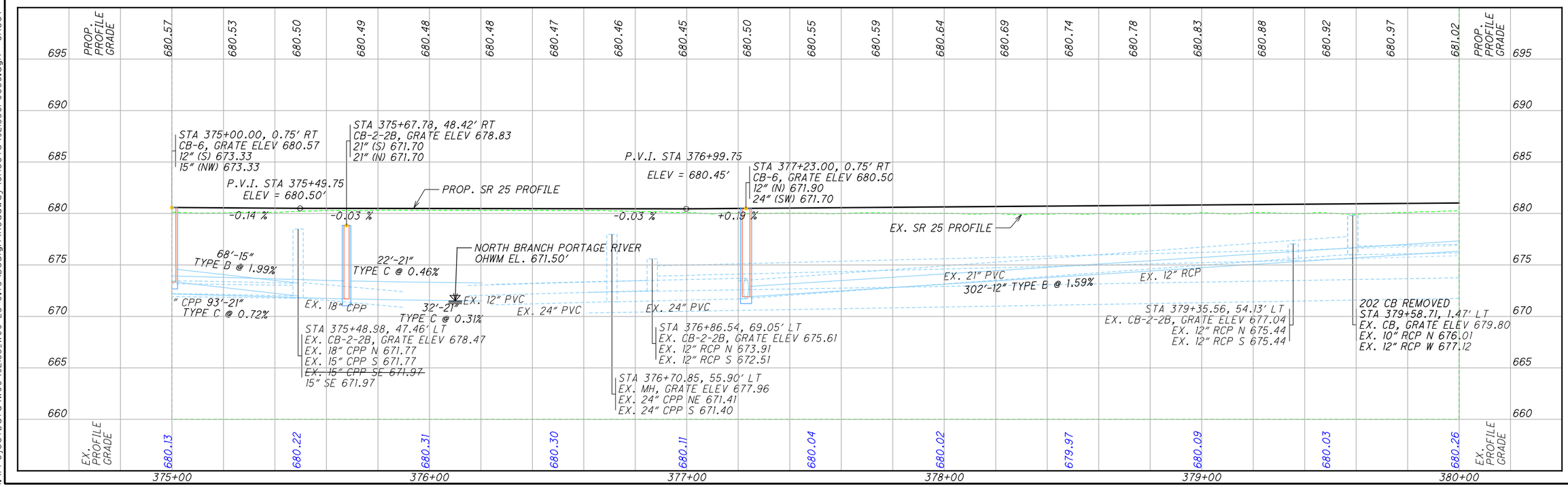
HORIZONTAL SCALE IN FEET
0 20 40
101

CALCULATED JLE
CHECKED JMF

PLAN AND PROFILE
STA. 350+00 TO STA. 355+00

WOO-25-0.75





I:\ProjectData\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133GP0056.dgn Sheet 1/18/2022 3:54:58 PM jerford

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED JMF

PLAN AND PROFILE
STA. 375+00 TO STA. 380+00

WOO-25-0.75

MOT PHASE 6
STA 388+60 ℄ CONST. SR 25

STA. 388+60.36
SUSPEND WORK

MATCH LINE - STA. 385+00

MATCH LINE - STA. 390+00

℄ CONST. SR 25

N 1° 40' 00" E

N 1° 00' 00" E

PROP CONST. LIMITS

PROP CONST. LIMITS

Ex LA

U-136

U-137

DW-53

D-147D

CR-30

PI STA. 387+08.04

STONE PARK DR.
STA. 386+52

EX. 24" TO REMAIN

EX. CB ADJUSTED TO GRADE
EX. 4" TO REMAIN

EX. MH TO REMAIN
EX. 24" TO REMAIN
EX. 12" TO REMAIN

12" RCP

24" RCP

12" RCP

385 386 387 388 389 390

308 309 310 311 312

P.V.I. STA 386+90.03
ELEV = 682.32'

P.V.I. STA 388+60.36
ELEV = 682.71'

PROP. SR 25 PROFILE

+0.19%

+0.23%

EX. SR 25 PROFILE

EX. 24" RCP

STA 386+85.52, 39.18' RT
EX. CB, GRATE ELEV ~~680.71~~ 680.12
EX. 8" VCP W 678.05
EX. 4" VCP S 679.05

STA 388+93.41, 32.47' RT
EX. MH-3-48, GRATE ELEV 682.43
EX. 24" RCP W 675.63
EX. 12" RCP NW 676.93
EX. 18" RCP N 675.83
EX. 24" RCP S 675.43

	PROP. PROFILE GRADE	681.96	682.00	682.05	682.10	682.15	682.19	682.24	682.29	682.34	682.39	682.44	682.49	682.55	682.59	682.65	682.73	682.79	682.85	682.91	682.98	683.08	PROP. PROFILE GRADE	
700																								700
695																								695
690																								690
685																								685
680																								680
675																								675
670																								670
665																								665
	EX. PROFILE GRADE	681.77		681.93		682.06		682.22		682.34		682.44		682.55		682.65		682.79		682.91		683.08	EX. PROFILE GRADE	

385+00 386+00 387+00 388+00 389+00 390+00

HORIZONTAL SCALE IN FEET
0 10 20 40

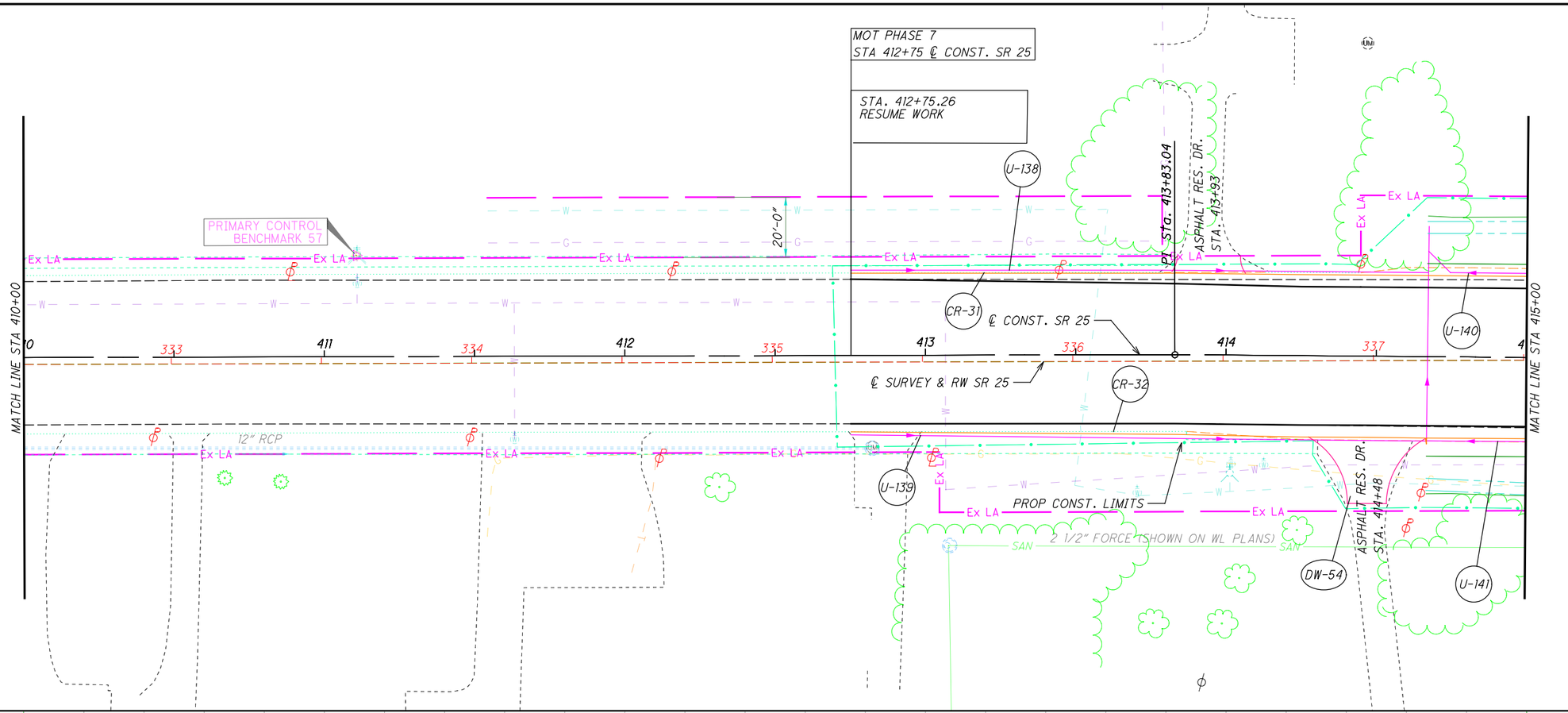
CALCULATED JLE
CHECKED JMF

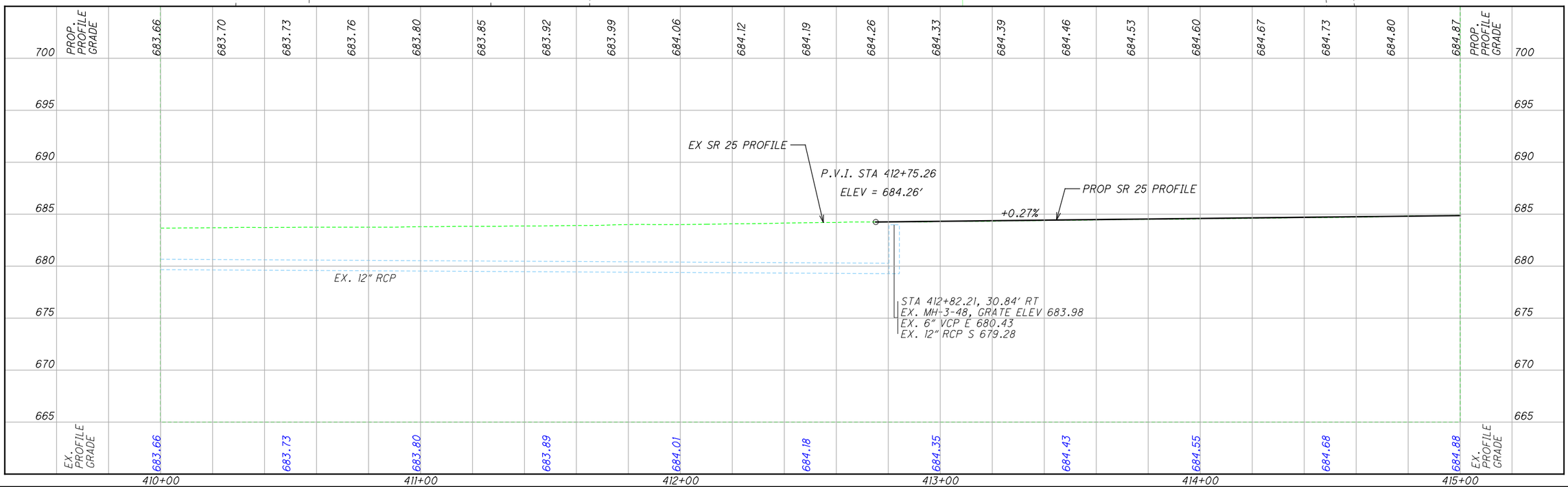
PLAN AND PROFILE
STA. 385+00 TO STA. 390+00

WOO-25-0.75

123
465

I:\ProjectData\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133GP0058.dgn Sheet 1/18/2022 3:55:09 PM jerford





N

0 10 20 40 HORIZONTAL SCALE IN FEET

CALCULATED JLE CHECKED XXX

PLAN AND PROFILE
STA 410+00 TO STA 415+00

WOO-25-0.75

MOT PHASE 7
STA 426+00 ℄ CONST. SR 25

MOT PHASE 8A/8B
STA 426+00 ℄ CONST. SR 25

SEE INTERSECTION DETAIL SHEET 406

POWELL RD.
STA. 425+64

PI Sta. 425+33.04

PI Sta. 428+83.04

+50 BEGIN ℄ CROWN TAPER 5.5' RT

MATCH LINE 425+00

MATCH LINE 430+00

PROP CONST. LIMITS

CB 2-2B

15" RCP TO BE REMOVED

457'-15" TYPE C @ 0.1%

EX. CB REMOVED

℄ SURVEY & RW SR 25

℄ CONST. SR 25

N 1° 30' 00" E

N 0° 45' 00" E

88'-15" TYPE B @ 0.36%

10" RCP TO BE REMOVED

11'-12" TYPE C @ 0.3%
77'-21" TYPE B @ 0.1%

260'-21" TYPE C @ 0.1%

MH-3

269'-18" TYPE C @ 0.18%

12" CPP TO BE REMOVED

12" Clay TO BE REMOVED

26'-18" TYPE B 12" CPP TO BE REMOVED

384'-12" TYPE C @ 0.09%

PRIMARY CONTROL BENCHMARK 60

ASPHALT COM. DR.
STA. 425+65

STONE RES. DR.
STA. 428+78

CR-36 CR-37 CR-38 CR-39 CR-40 CR-41 CR-42 CR-43

D-160 D-161 D-162 D-163 D-164

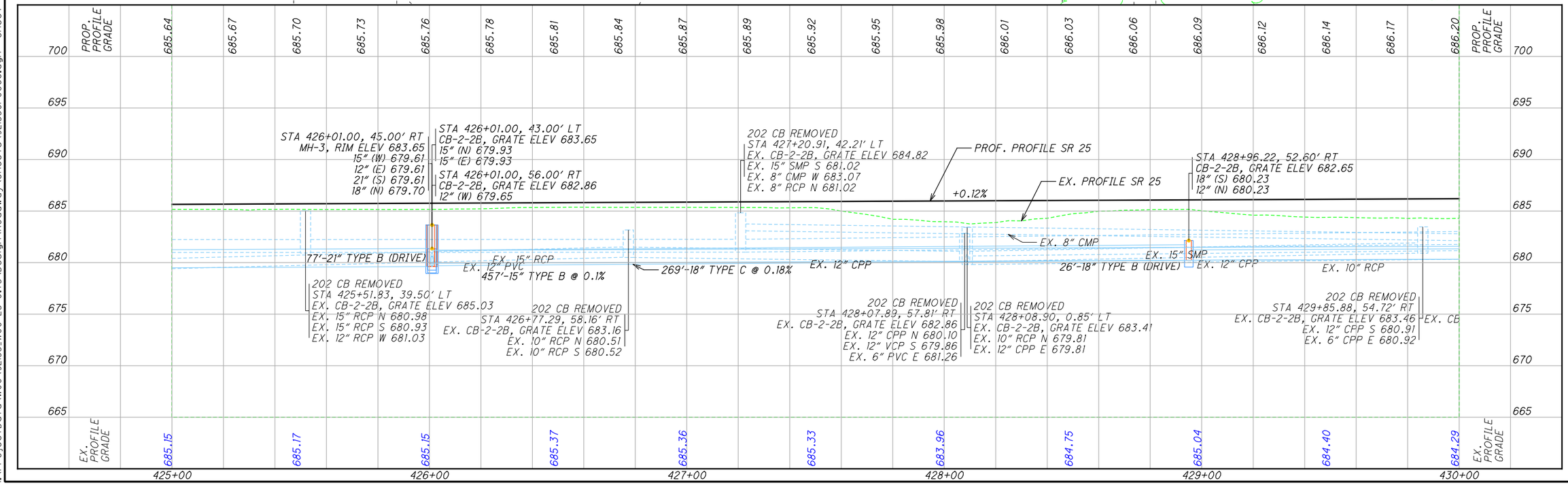
U-146 U-146A U-147 U-148 U-148A U-149

DW-57 DW-58

348 349 350 351 352

425 426 427 428 429 430

SAN W Ex LA



HORIZONTAL SCALE IN FEET
0 10 20 40

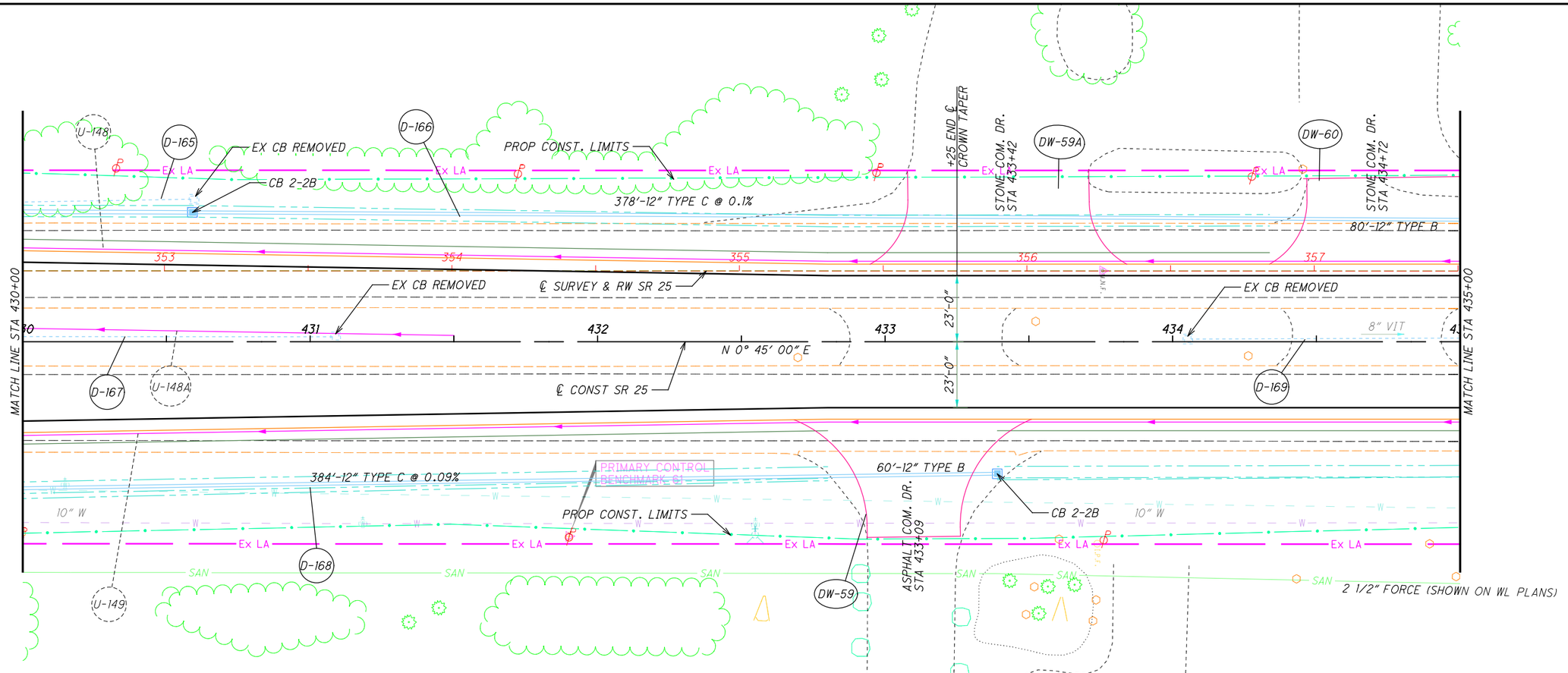
CALCULATED JLE
CHECKED XXX

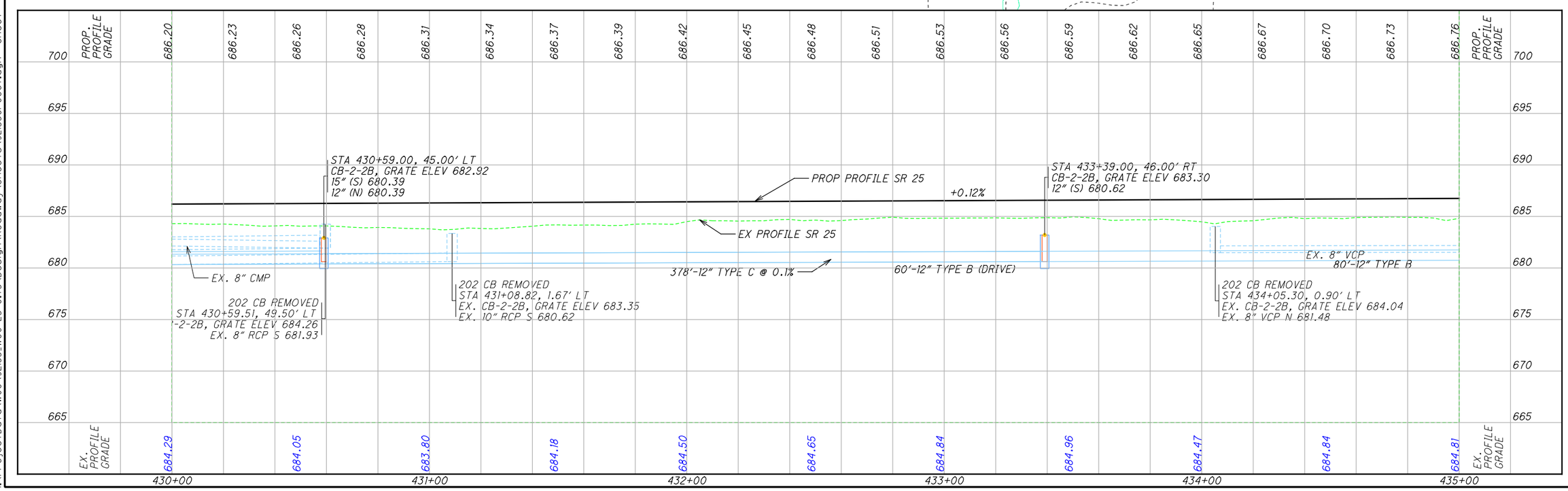
PLAN AND PROFILE
STA 425+00 TO STA 430+00

WOO-25-0.75

129
465

I:\ProjectData\W00\92133_W00-25-0.75\Design\Roadway\Sheets\92133GP0066.dgn Sheet 1/18/2022 3:55:41 PM jerford



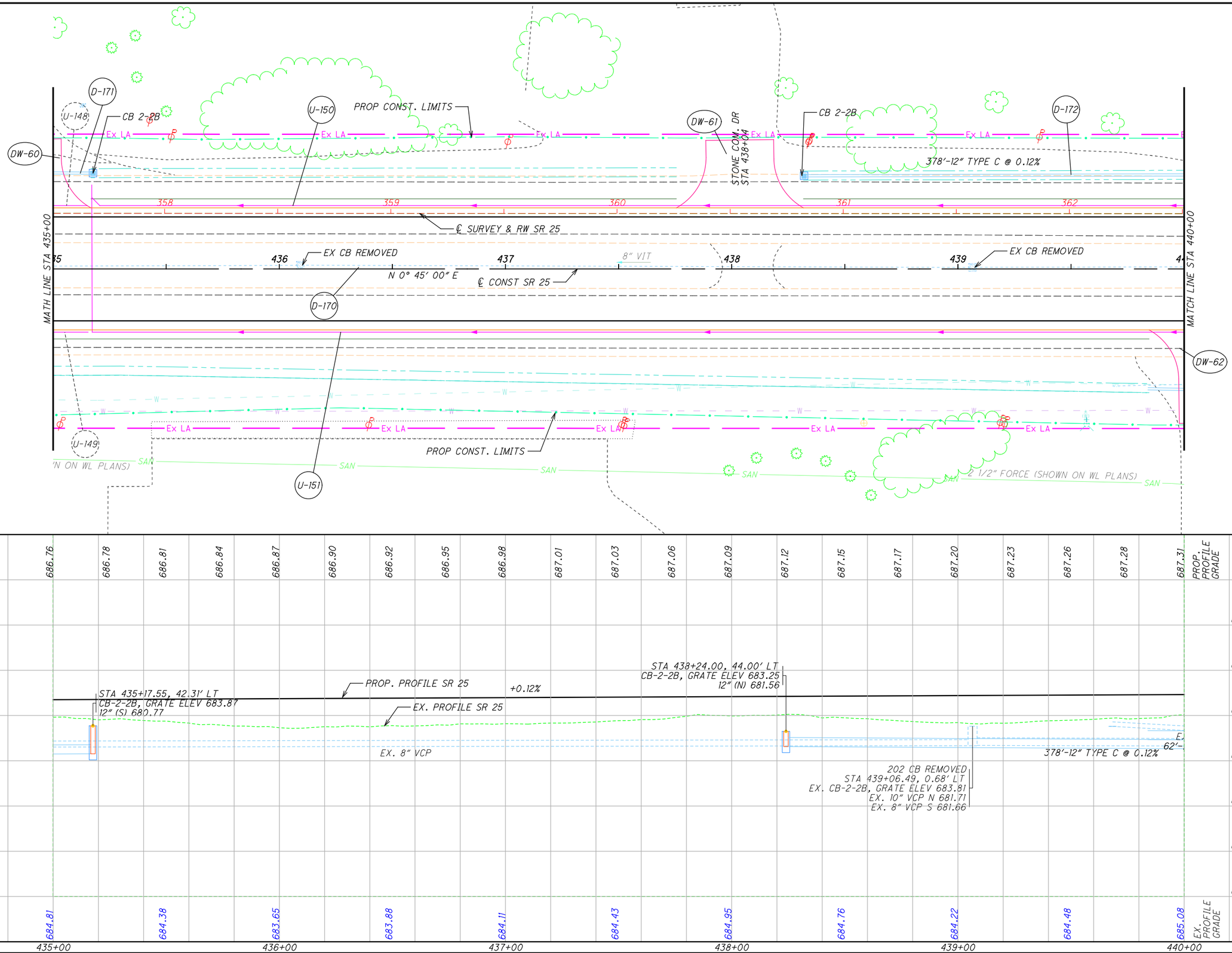


HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA 430+00 TO STA 435+00

WOO-25-0.75



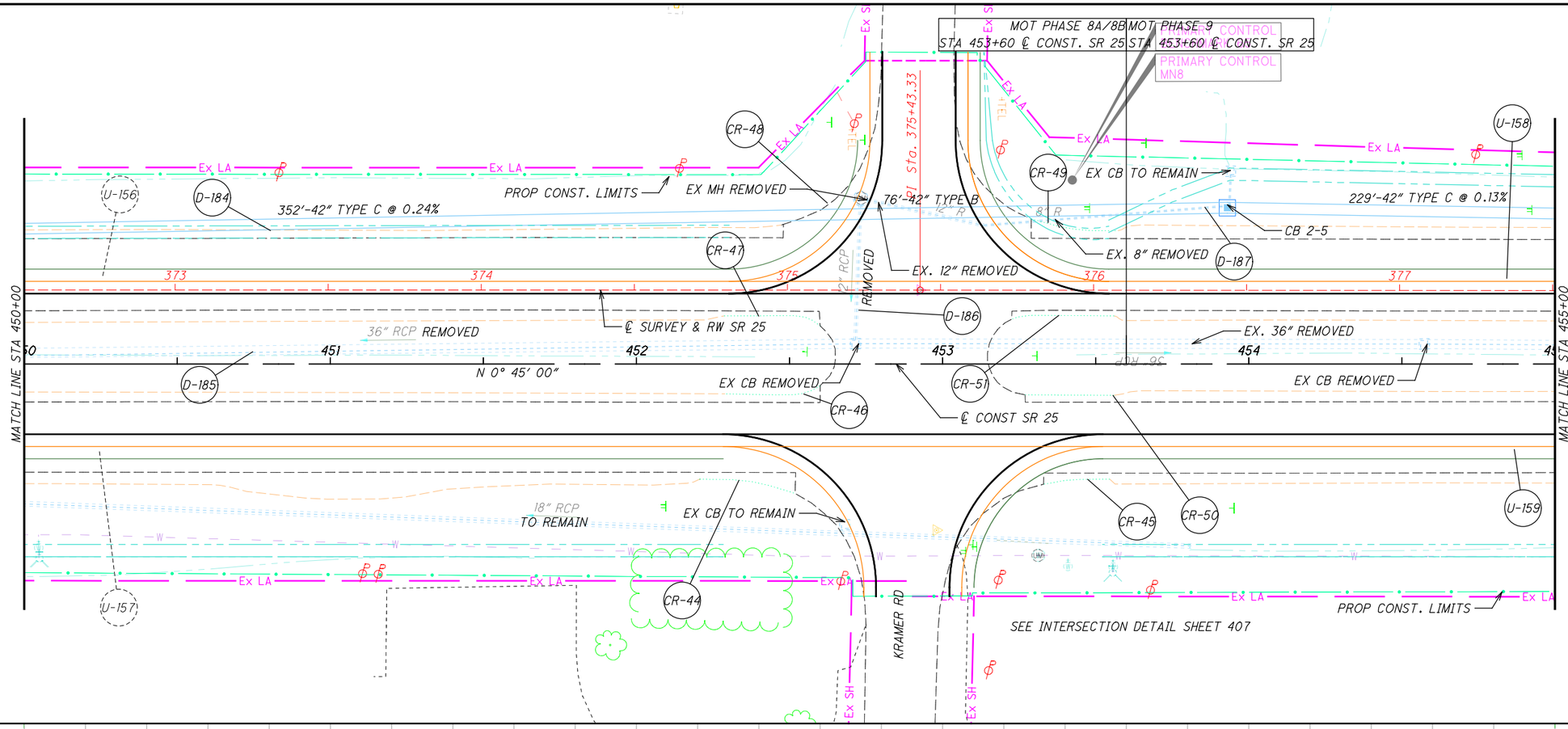
N

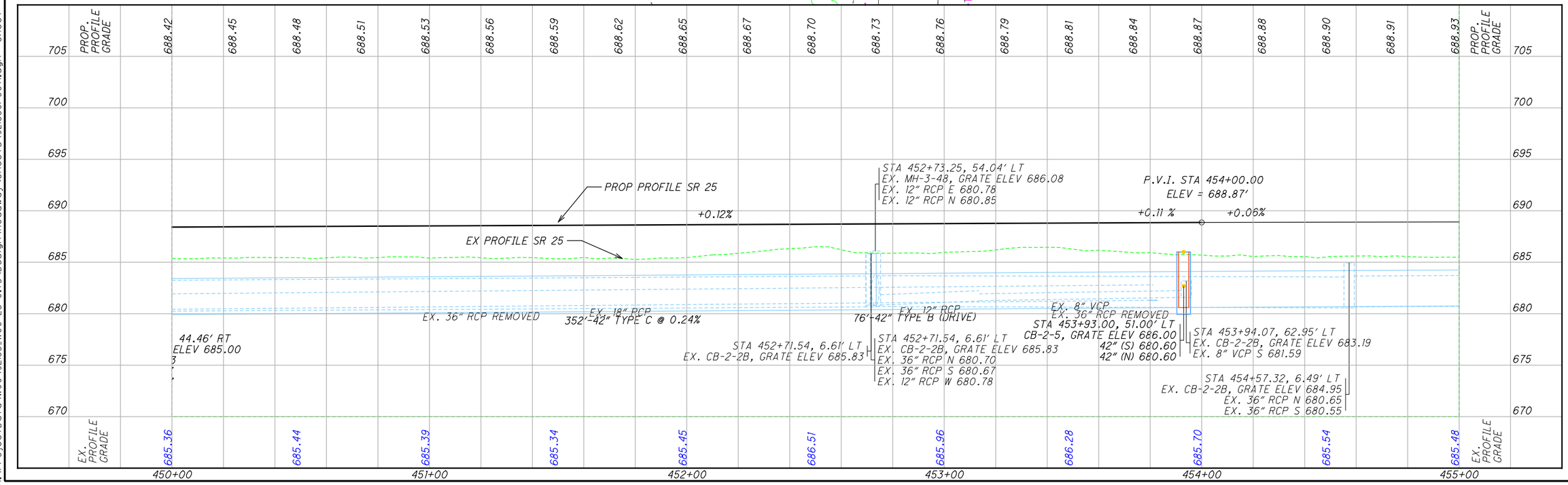
HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA 435+00 TO STA 440+00

WOO-25-0.75





N

HORIZONTAL SCALE IN FEET
0 10 20 40

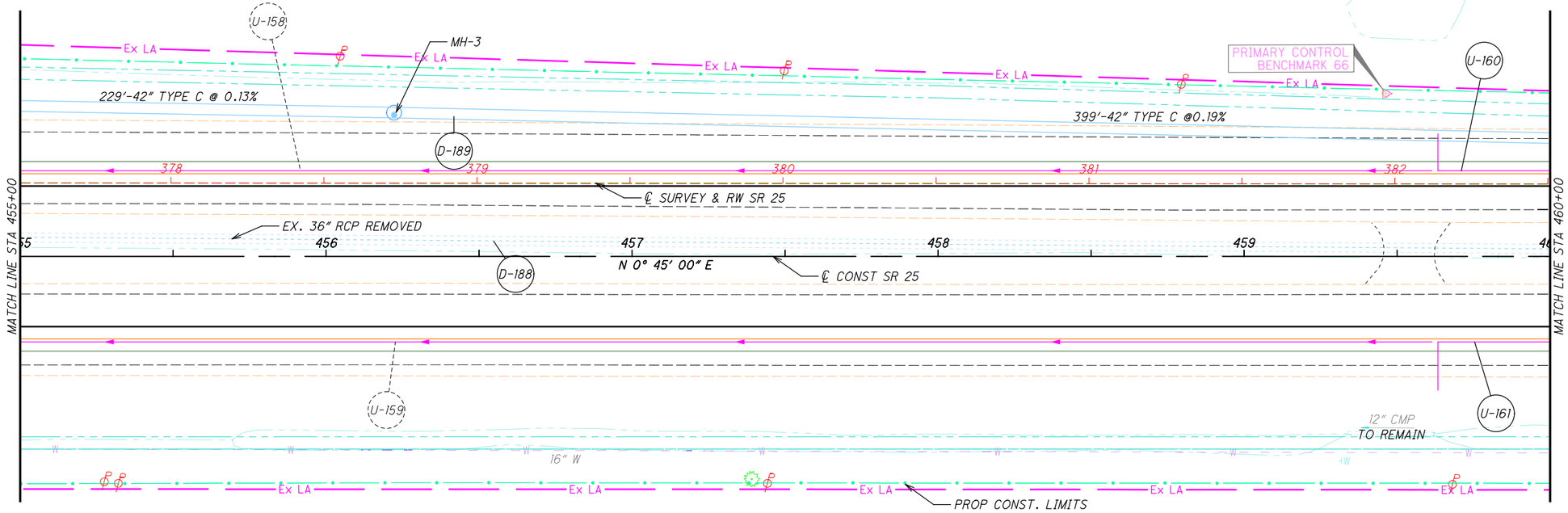
CALCULATED JLE
CHECKED XXX

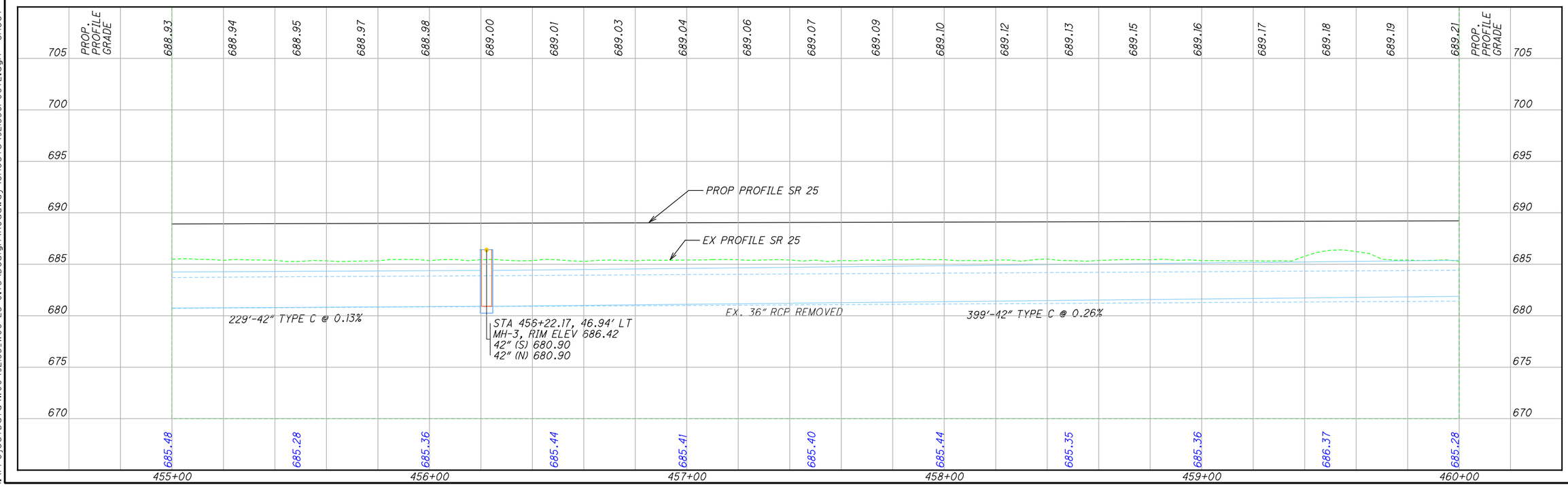
PLAN AND PROFILE
STA 450+00 TO STA 455+00

WOO-25-0.75

134
465

I:\ProjectData\W00\92133_W00-25-0.75\Design\Roadway\Sheets\92133GP007I.dgn Sheet 1/18/2022 3:56:07 PM jerford





HORIZONTAL SCALE IN FEET
0 10 20 40

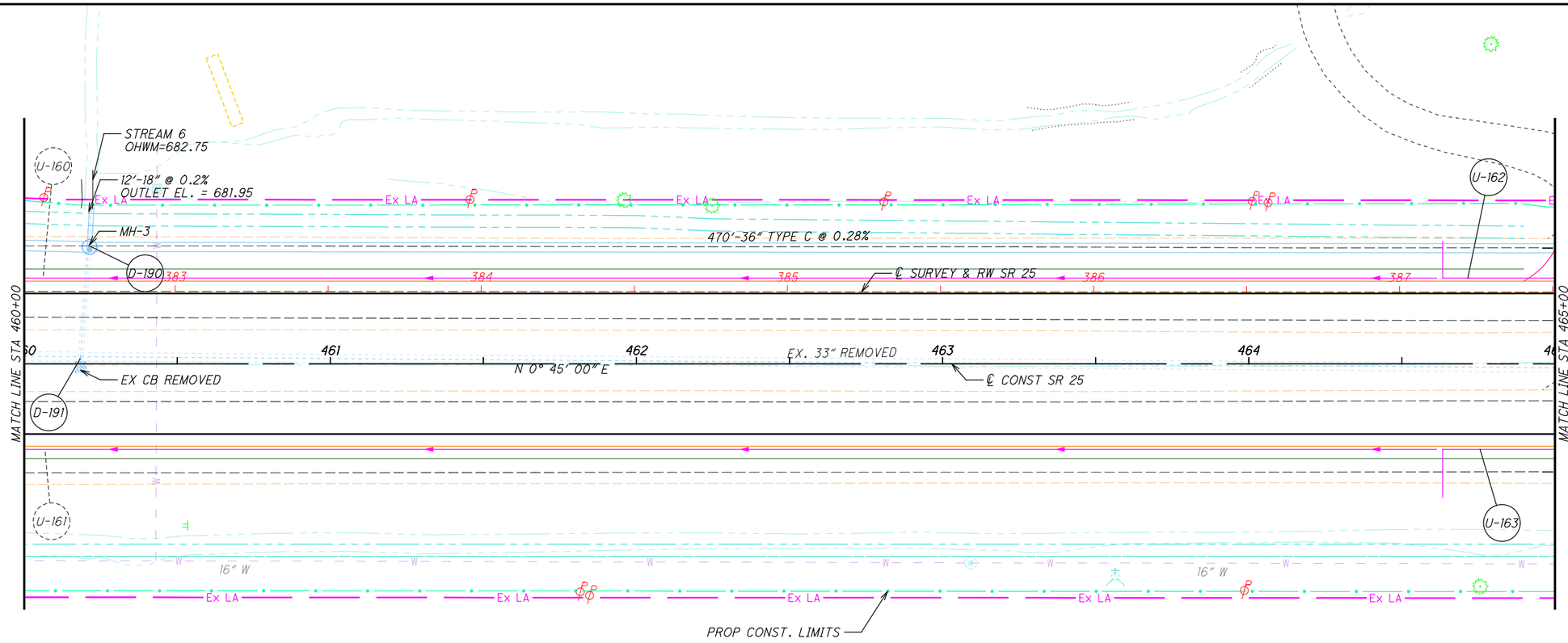
CALCULATED JLE
CHECKED XXX

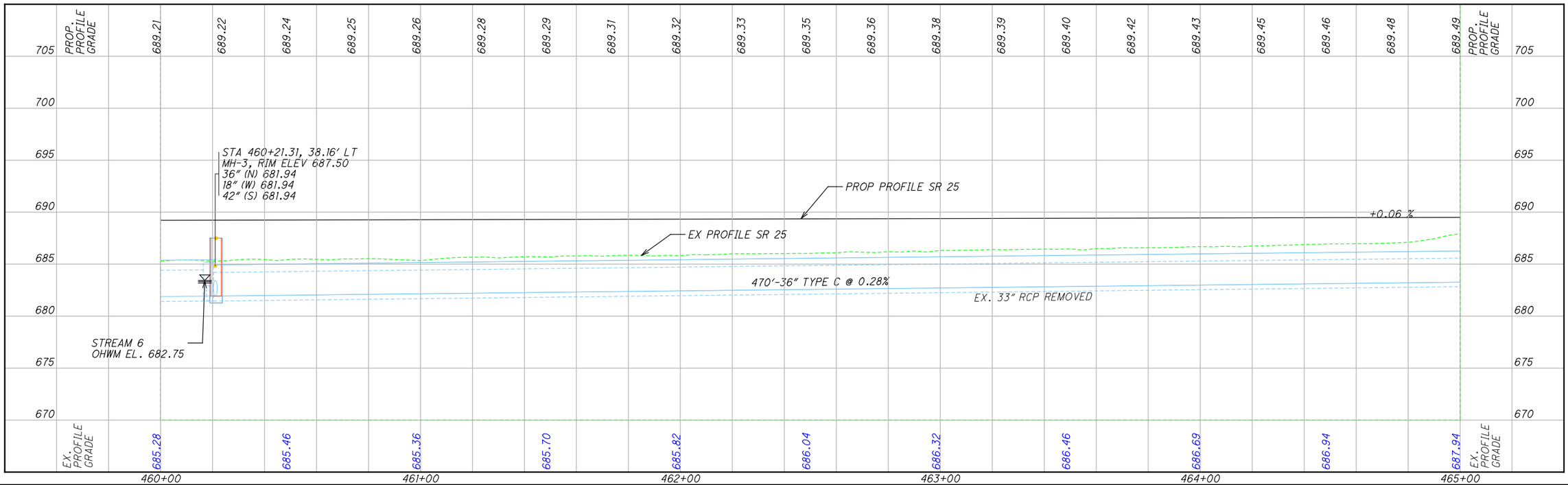
PLAN AND PROFILE
STA 455+00 TO 460+00

WOO-25-0.75

135
465

I:\ProjectData\W00\92133_W00-25-0.75\Design\Roadway\Sheets\92133GP0072.dgn Sheet 1/18/2022 3:56:12 PM jerford





HORIZONTAL SCALE IN FEET
0 10 20 40

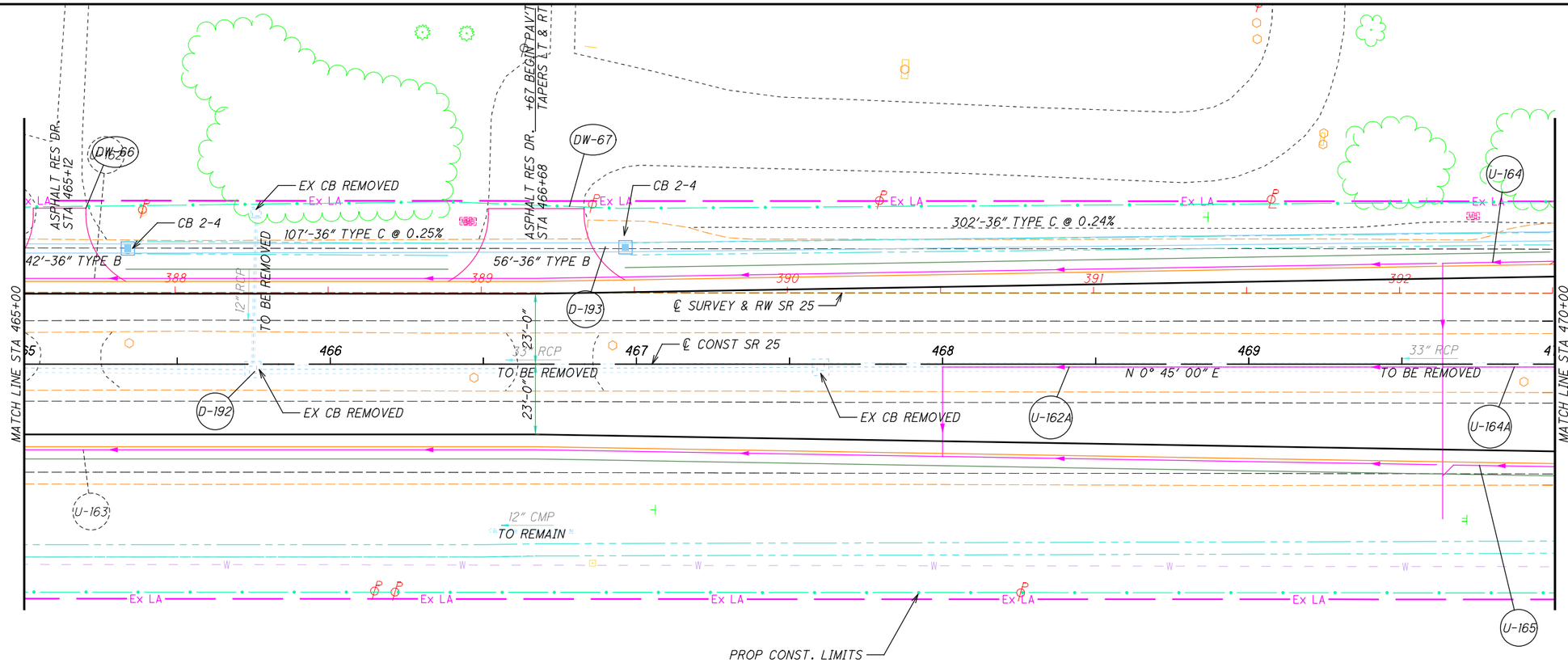
CALCULATED JLE
CHECKED XXX

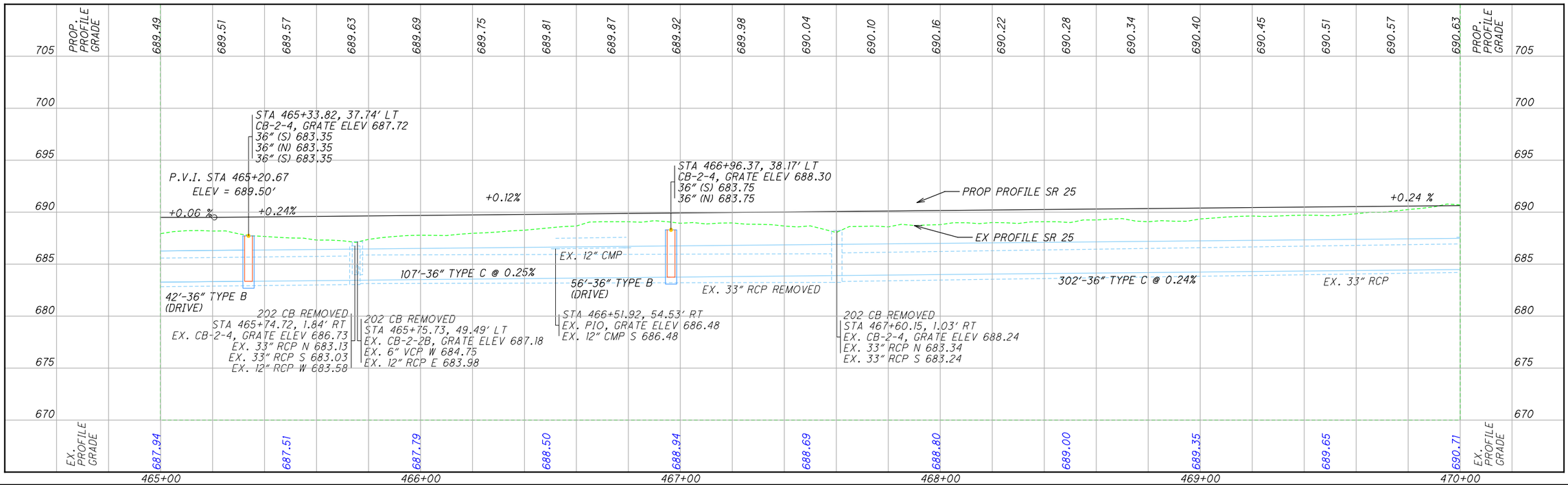
PLAN AND PROFILE
STA 460+00 TO STA 465+00

WOO-25-0.75

136
465

I:\Project Data\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133GP0073.dgn Sheet 1/18/2022 3:56:17 PM jerford





HORIZONTAL SCALE IN FEET
0 10 20 40

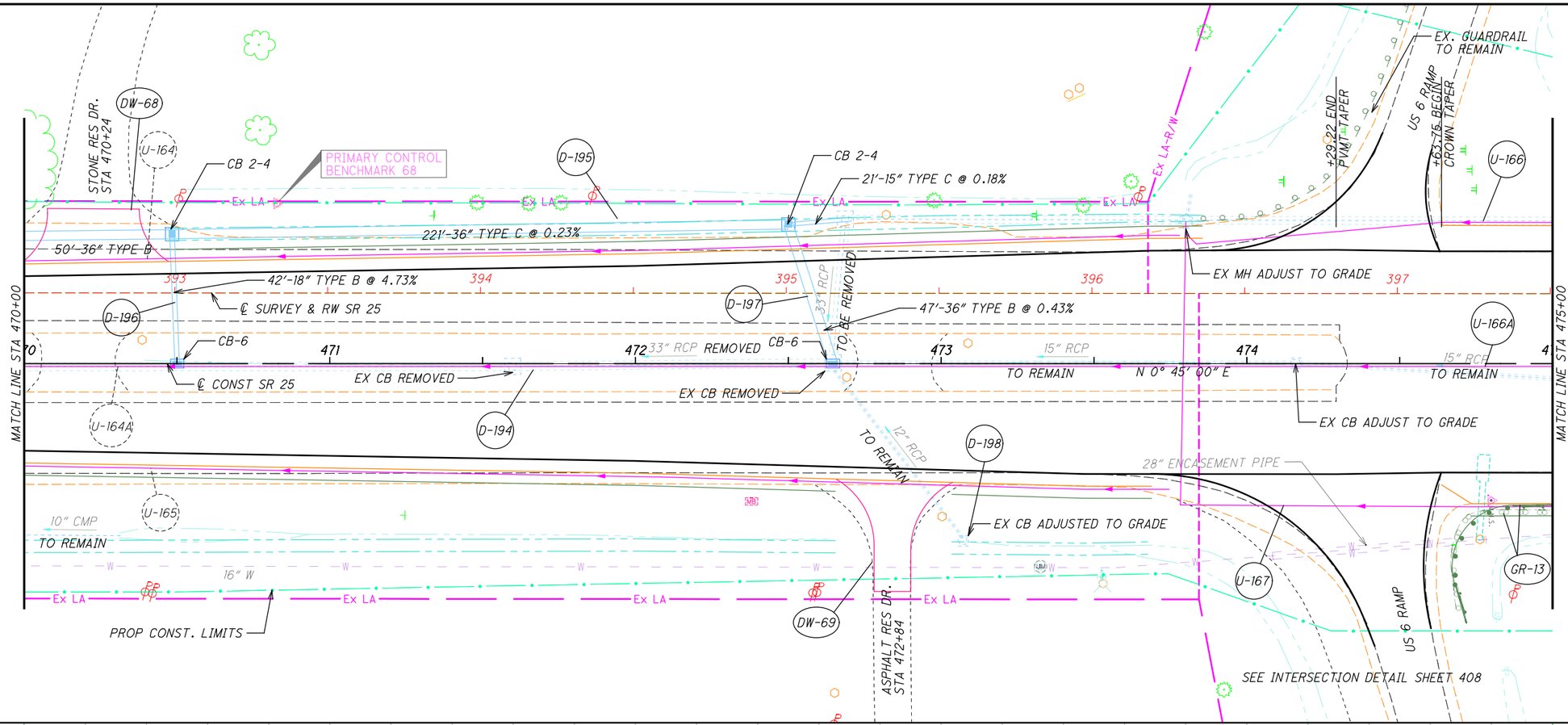
CALCULATED JLE
CHECKED XXX

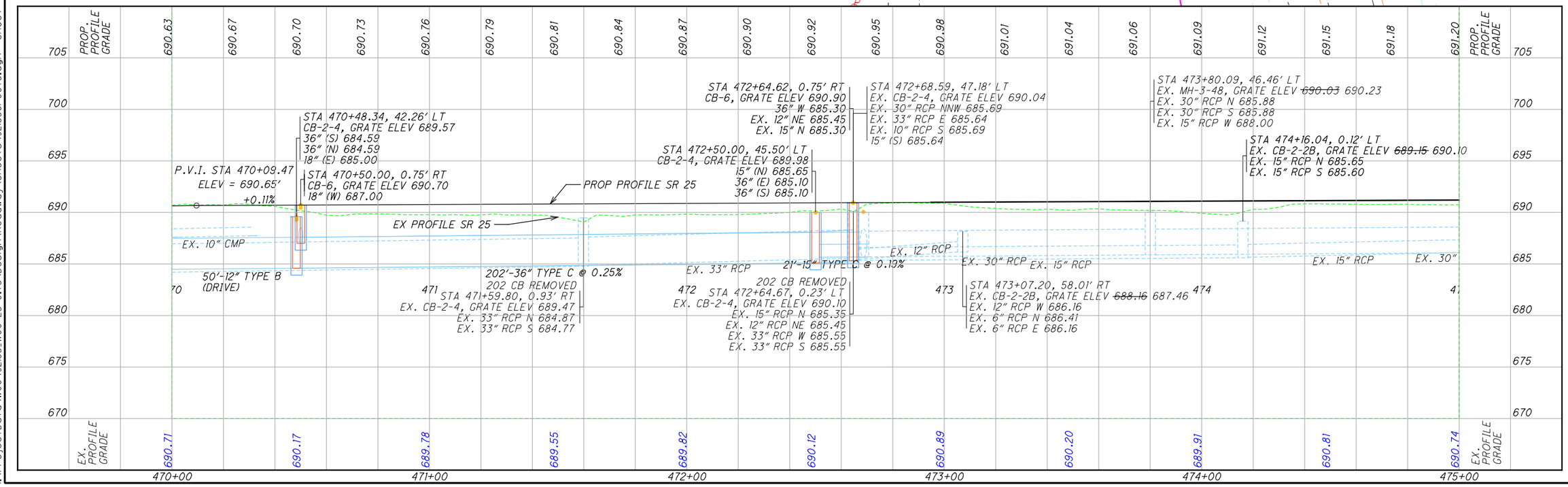
PLAN AND PROFILE
STA 465+00 TO STA 470+00

WOO-25-0.75

137
465

I:\Project Data\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133GP0074.dgn Sheet 1/18/2022 3:56:22 PM jerford





HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JLE
CHECKED XXX

PLAN AND PROFILE
STA 470+00 TO STA 475+00

WOO-25-0.75

138
465

I:\ProjectData\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133GP0075.dgn Sheet 1/18/2022 3:56:28 PM jerford

SEEDING	
END WIDTH	SQ. YDS.
23.47	
	65
0.00	
	159
	356
	580

END AREA	
CUT	FILL
4	59
24	116
44	119
63	217
111	202
200	581

VOLUME	
CUT	FILL
26	162

CALCULATED XXX

CHECKED XXX

695
690
685
680
675

50:1 12.5:1 12.5:1 50:1 EX LA

683.69
291+00.00
682.56

5.5:1 5.7:1 7.5:1 13:1 12.6:1 7:1 5.1:1 3.1:1 EX LA

57.29 684.74 685.61

683.86
290+50.00
682.20

683.93
290+00.00
682.43

60 50 40 30 20 10 0 10 20 30 40 50 60

CROSS SECTIONS
STA. 290+00.00 TO STA. 291+00.00

WOO-25-0.75

279
465

I:\ProjectData\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133_XS00L_Copy.dgn Sheet 1/18/2022 10:39:04 AM jerford

SEEDING	
END WIDTH	SQ. YDS.
23.11	
	100
13.07	
	99
22.90	
	128
	327

END AREA	
CUT	FILL
26	34
14	45
7	53

VOLUME	
CUT	FILL
37	73
19	91
11	104
67	268

CALCULATED XXX

CHECKED XXX

695 690 685 680 675

STA 292+61.81, 59.85' LT
EX. CB-2-2B, GRATE ELEV 678.91'
8" VCP N 677.05

20:1 12.5:1 12.5:1 50:1

EX LA

12" TYPE B

683.21
292+50.00
682.68

STA 292+00.75, 5.50' RT
CB-6, GRATE ELEV 683.28
12" (N) 678.55

12.5:1 55:1

683.37
292+00.00
682.55

50:1 12.5:1 12.5:1 50:1

683.53
291+50.00
682.47

60 50 40 30 20 10 0 10 20 30 40 50 60

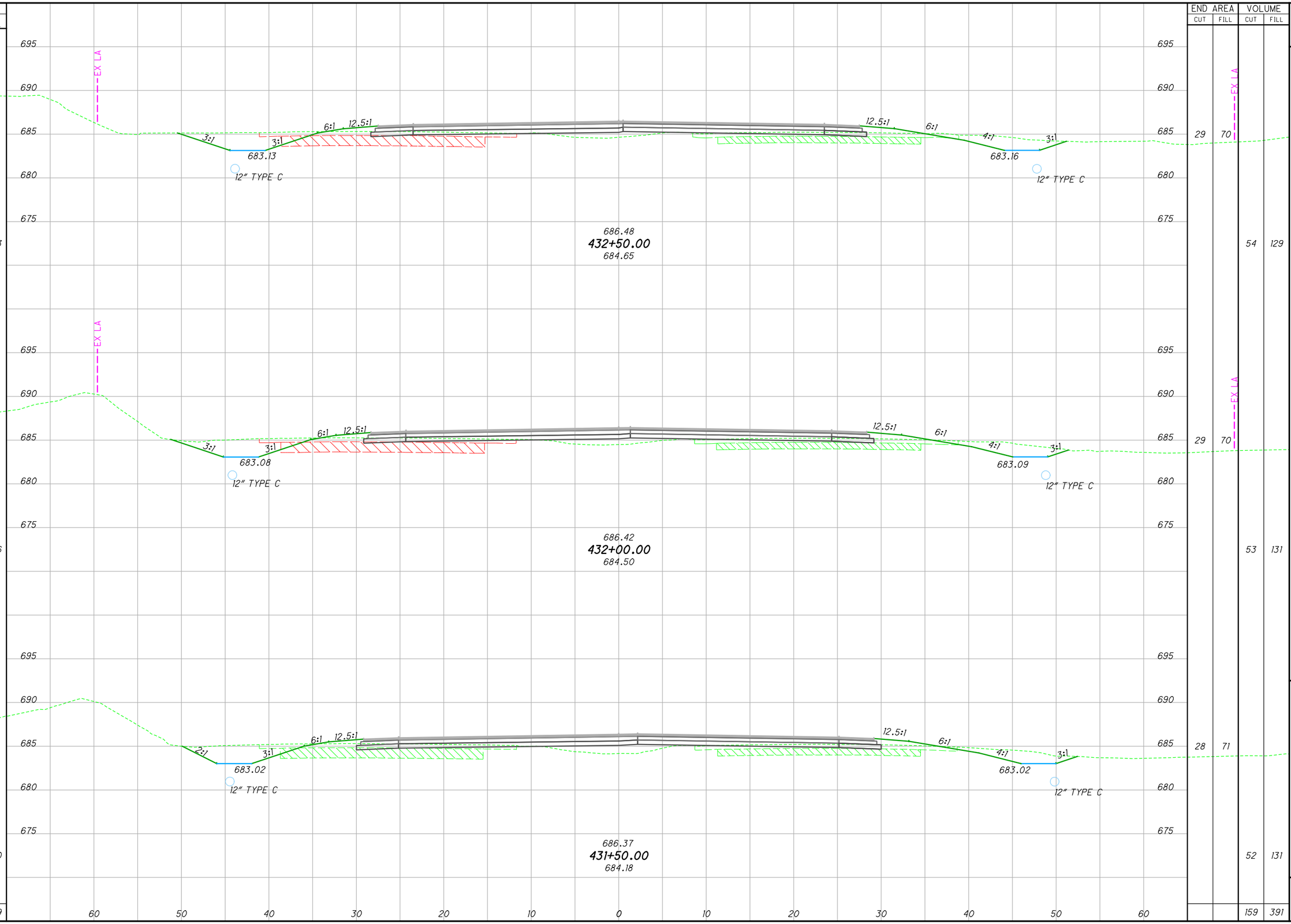
CROSS SECTIONS
STA. 291+50.00 TO STA. 292+50.00

WOO-25-0.75

280
465

I:\ProjectData\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133_XS00L_Copy.dgn Sheet 1/18/2022 10:39:08 AM jerford

SEEDING	
END WIDTH	SQ. YDS.
47.77	263
47.07	256
45.24	250
	769



END AREA	
CUT	FILL
29	70
29	70
28	71

VOLUME	
CUT	FILL
54	129
53	131
52	131
159	391

CALCULATED XXX

CHECKED XXX

CROSS SECTIONS

STA. 431+50.00 TO STA. 432+50.00

WOO-25-0.75

361
465

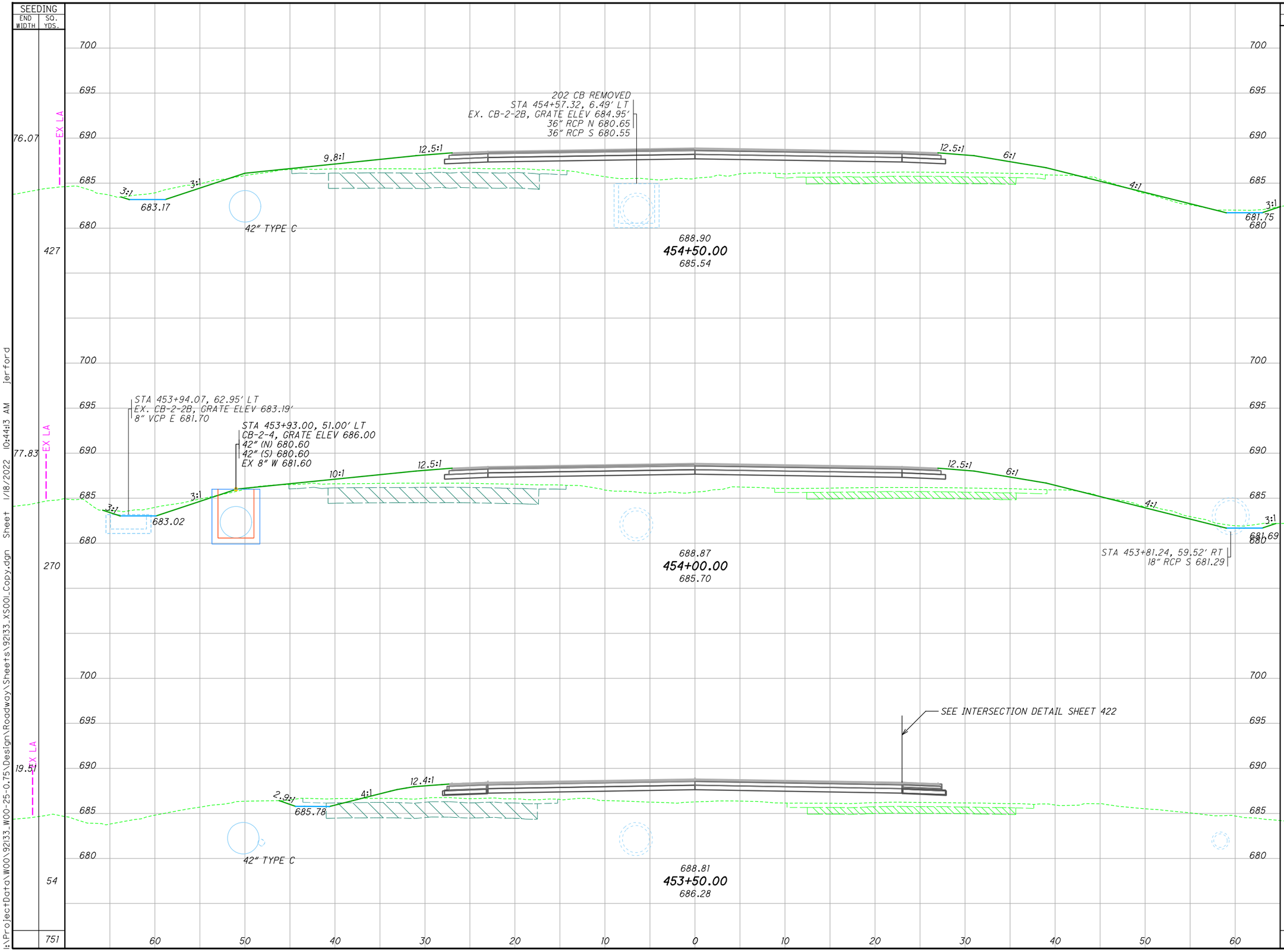
I:\ProjectData\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133_XS001_Copy.dgn Sheet 1/18/2022 10:43:23 AM jerford

SEEDING	
END WIDTH	SQ. YDS.
76.07	427
77.83	270
19.51	54
	751

END AREA	
CUT	FILL
9	199
12	191
2	146

VOLUME	
CUT	FILL
20	361
13	312
64	301
97	974

CALCULATED XXX
CHECKED XXX



CROSS SECTIONS
STA. 453+50.00 TO STA. 454+50.00

WOO-25-0.75

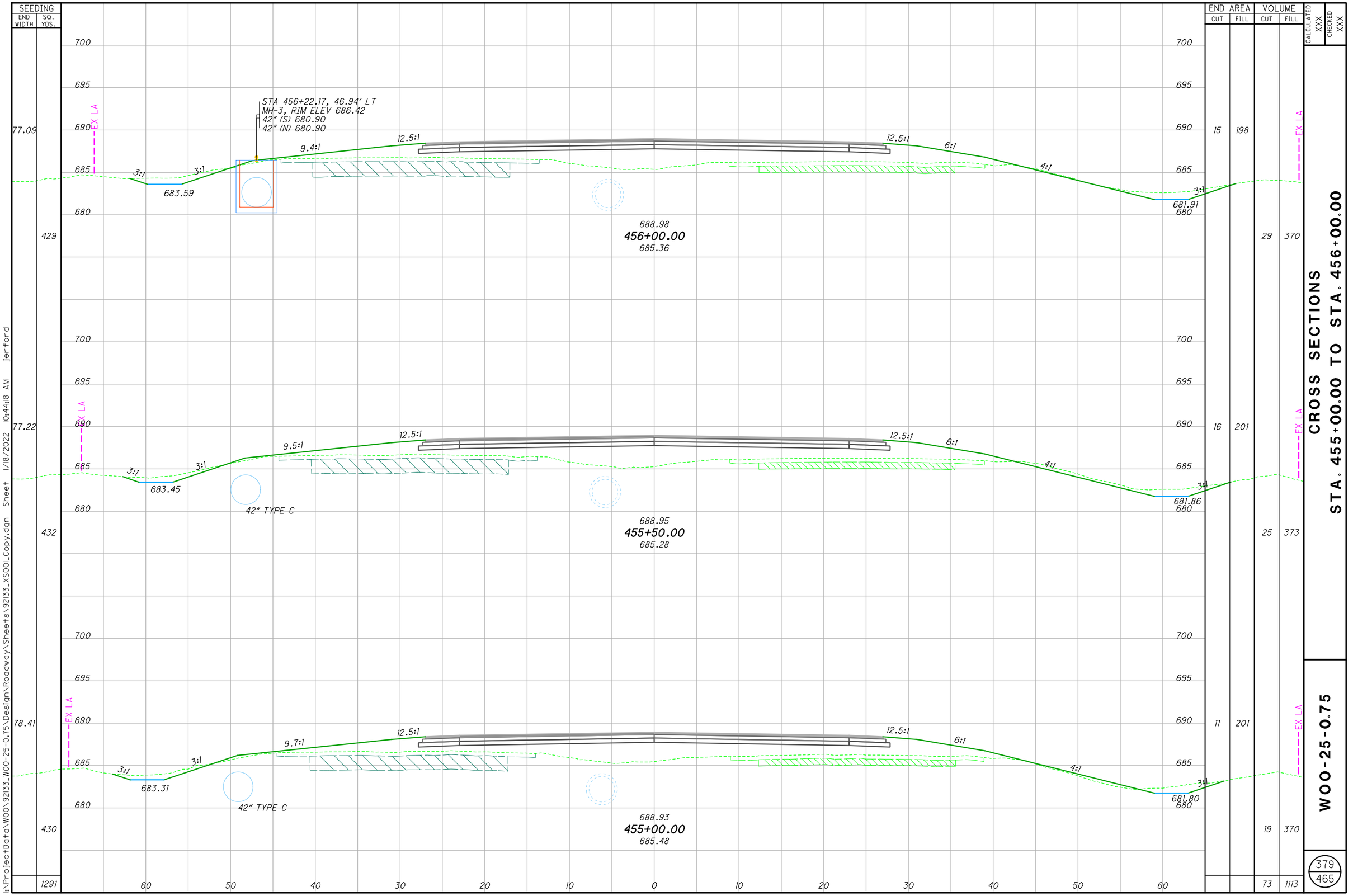
SEEDING	
END WIDTH	SQ. YDS.
77.09	429
77.22	432
78.41	430
	1291

END AREA	
CUT	FILL
15	198
16	201
11	201

VOLUME	
CUT	FILL
29	370
25	373
19	370
73	1113

CALCULATED XXX

CHECKED XXX



CROSS SECTIONS
STA. 455+00.00 TO STA. 456+00.00

WOO-25-0.75

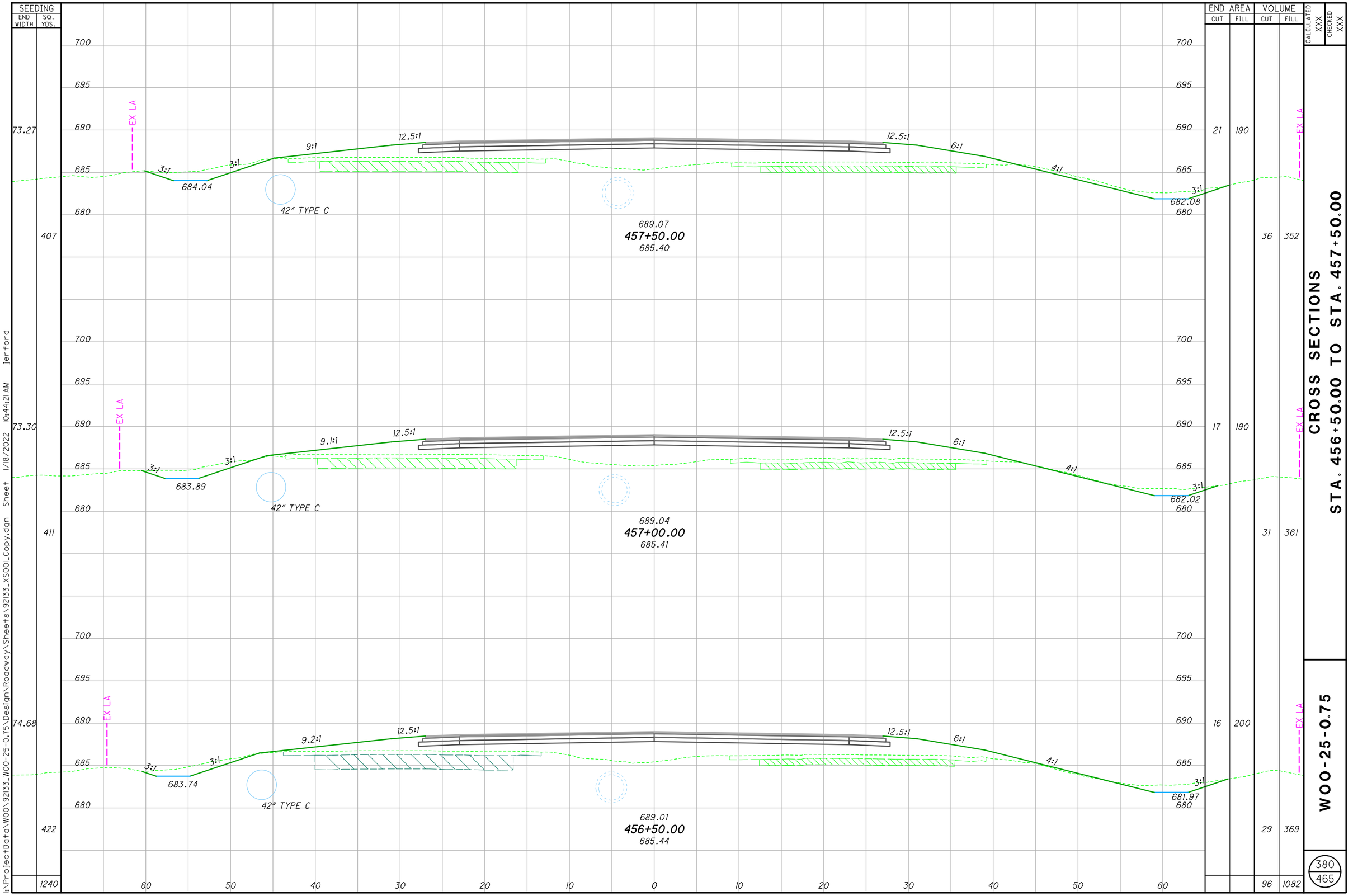
SEEDING	
END WIDTH	SQ. YDS.
73.27	407
73.30	411
74.68	422
	1240

END AREA	
CUT	FILL
21	190
17	190
16	200

VOLUME	
CUT	FILL
36	352
31	361
29	369
96	1082

CALCULATED XXX

CHECKED XXX



CROSS SECTIONS
STA. 456+50.00 TO STA. 457+50.00

WOO-25-0.75

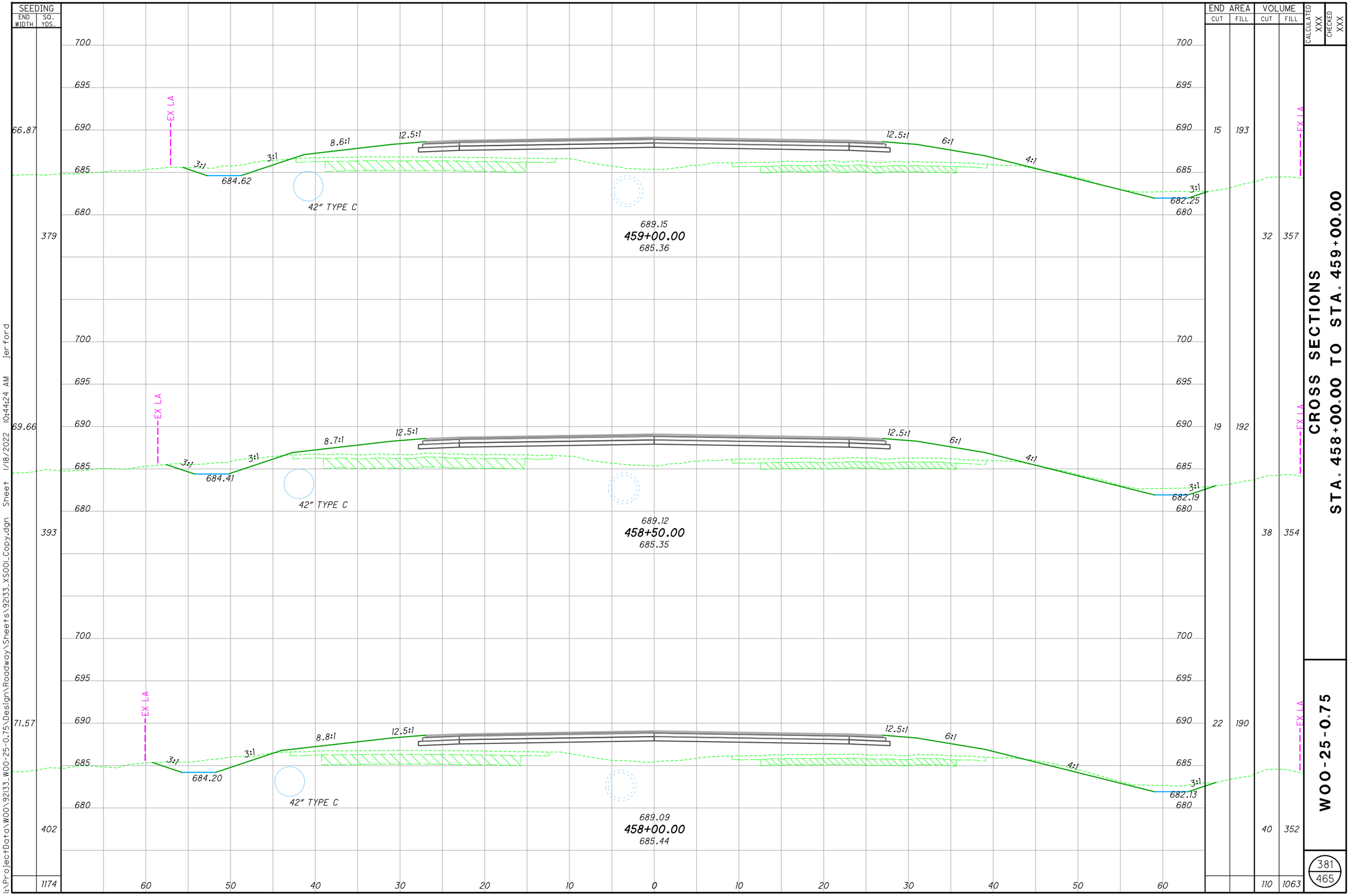
SEEDING	
END WIDTH	SQ. YDS.
66.87	379
69.66	393
71.57	402
	1174

END AREA	
CUT	FILL
15	193
19	192
22	190

VOLUME	
CUT	FILL
32	357
38	354
40	352
110	1063

CALCULATED XXX

CHECKED XXX



CROSS SECTIONS STA. 458+00.00 TO STA. 459+00.00

WOO-25-0.75

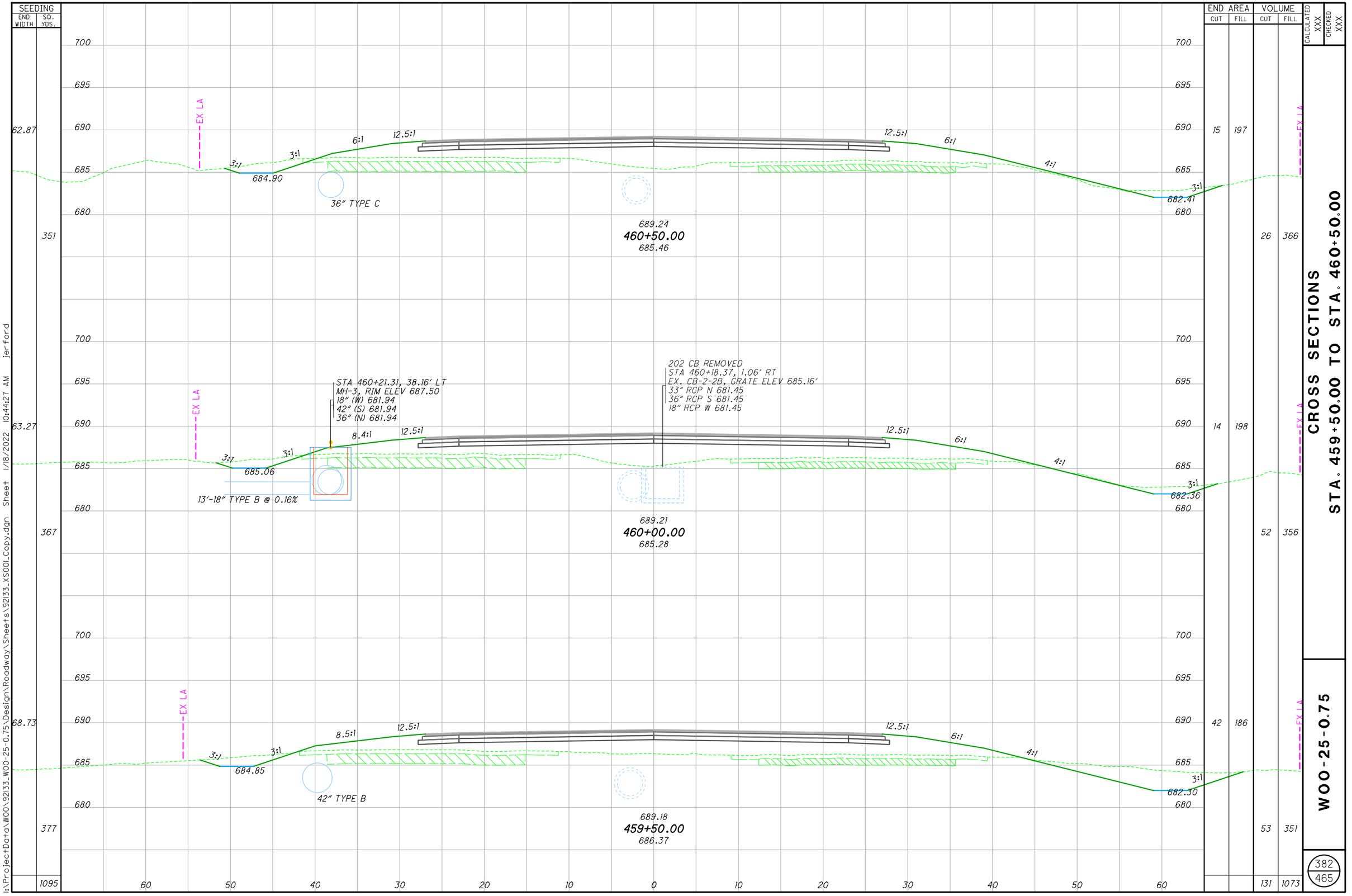
SEEDING	
END WIDTH	SQ. YDS.
62.87	351
63.27	367
68.73	377
	1095

END AREA	
CUT	FILL
15	197
14	198
42	186

VOLUME	
CUT	FILL
26	366
52	356
53	351
131	1073

CALCULATED XXX

CHECKED XXX



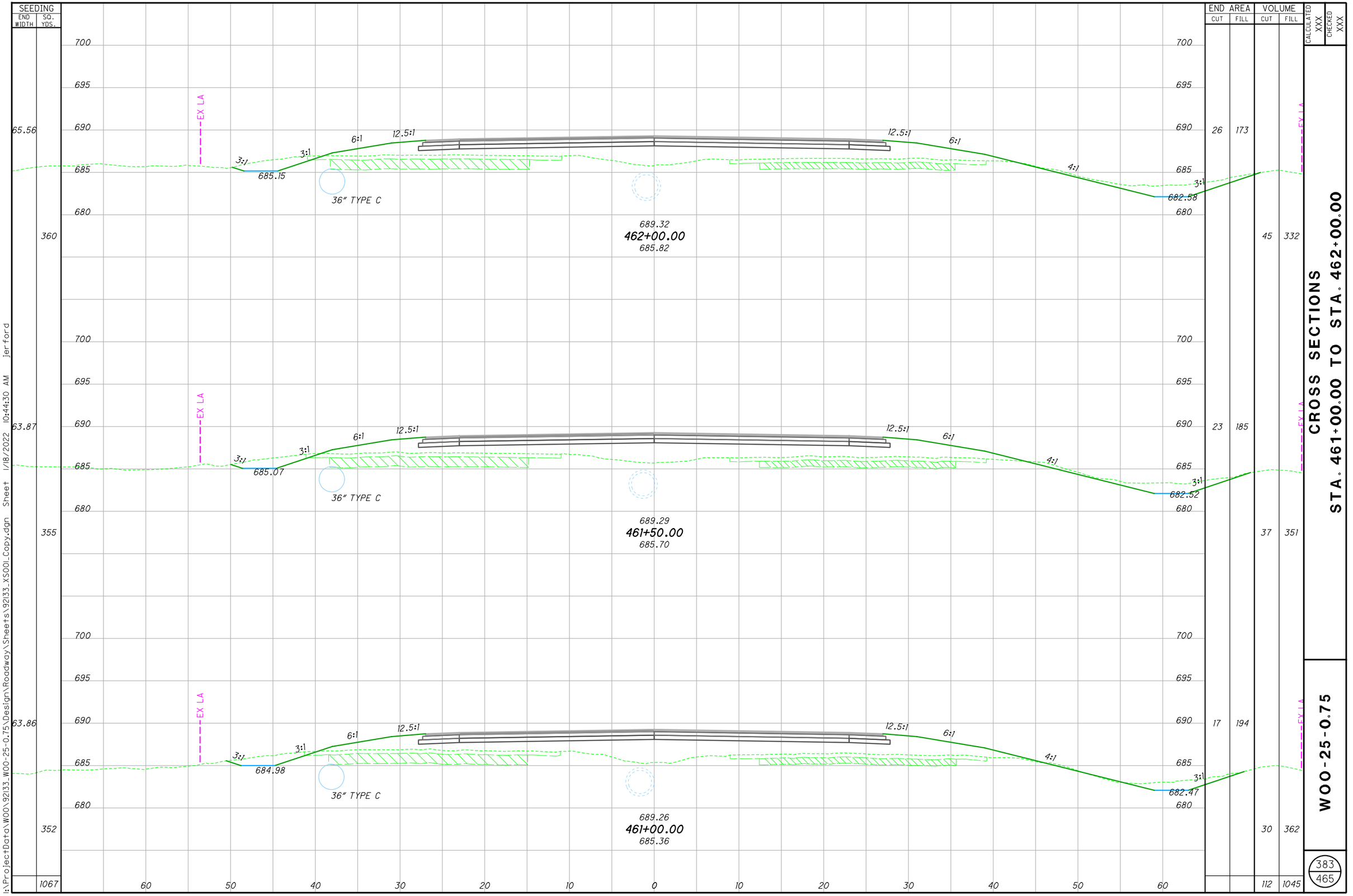
CROSS SECTIONS

STA. 459+50.00 TO STA. 460+50.00

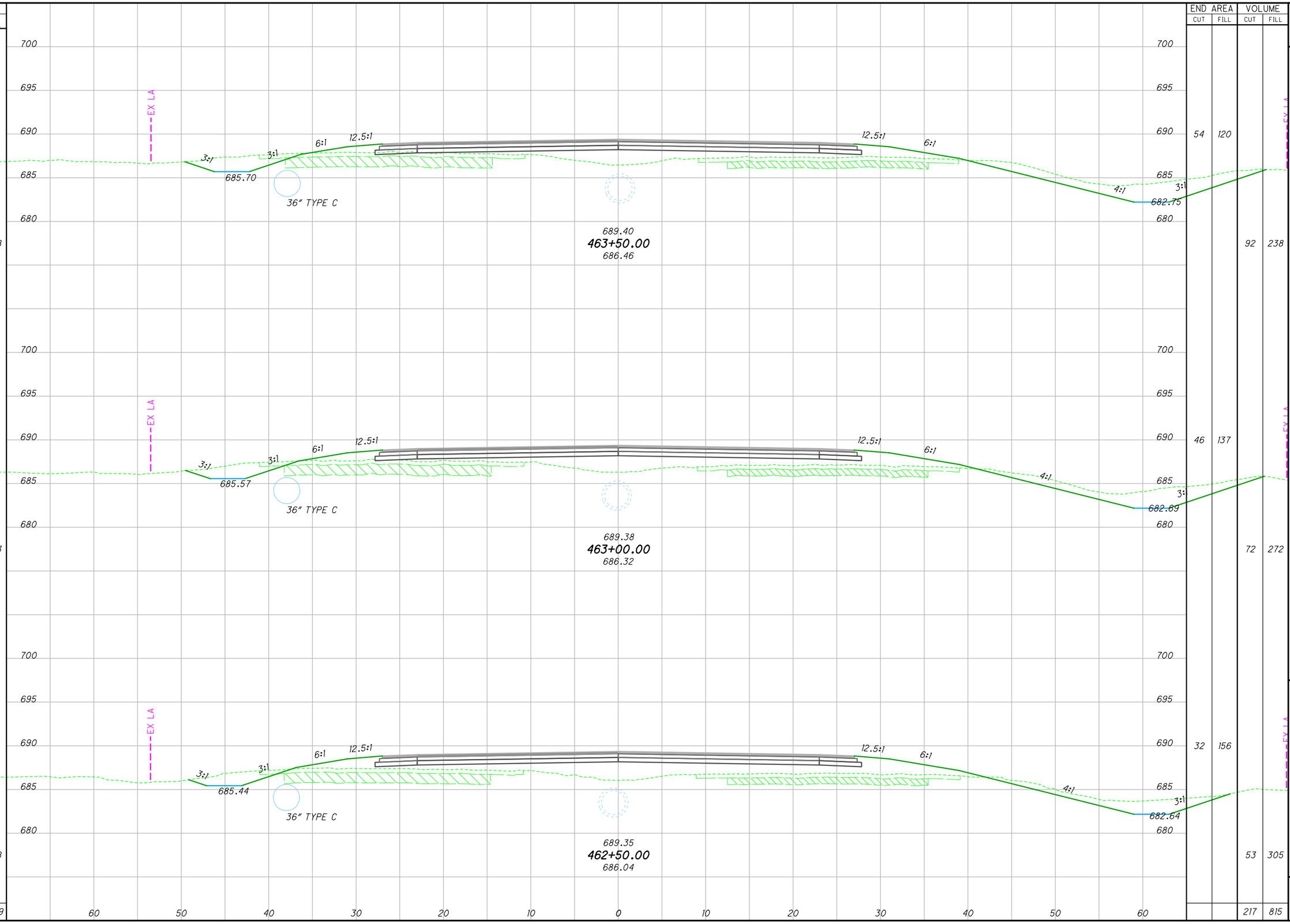
WOO-25-0.75

382
465

I:\ProjectData\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133_XS001_Copy.dgn Sheet 1/18/2022 10:44:27 AM jerford


SEEDING
END WIDTH
SQ. YDS.
65.56
360
63.87
355
63.86
352
1067
EX LA
700
695
690
685
680
3:1
6:1
12.5:1
4:1
685.15
685.07
684.98
36" TYPE C
689.32
462+00.00
685.82
689.29
461+50.00
685.70
689.26
461+00.00
685.36
682.58
682.52
682.47
60
50
40
30
20
10
0
END AREA
CUT
FILL
26
173
23
185
17
194
VOLUME
45
332
37
351
30
362
112
1045
CALCULATED
XXX
CHECKED
XXX
CROSS SECTIONS
STA. 461+00.00 TO STA. 462+00.00
WOO-25-0.75
383
465
I:\ProjectData\W00\92133_W00-25-0.75\Design\Roadway\Sheets\92133_XS001_Copy.dgn Sheet 1/18/2022 10:44:30 AM jerford

SEEDING	
END WIDTH	SQ. YDS.
68.47	
	378
67.59	
	363
63.23	
	358
	1099



END AREA	
CUT	FILL
54	120
46	137
32	156

VOLUME	
CUT	FILL
92	238
72	272
53	305
217	815

CALCULATED XXX

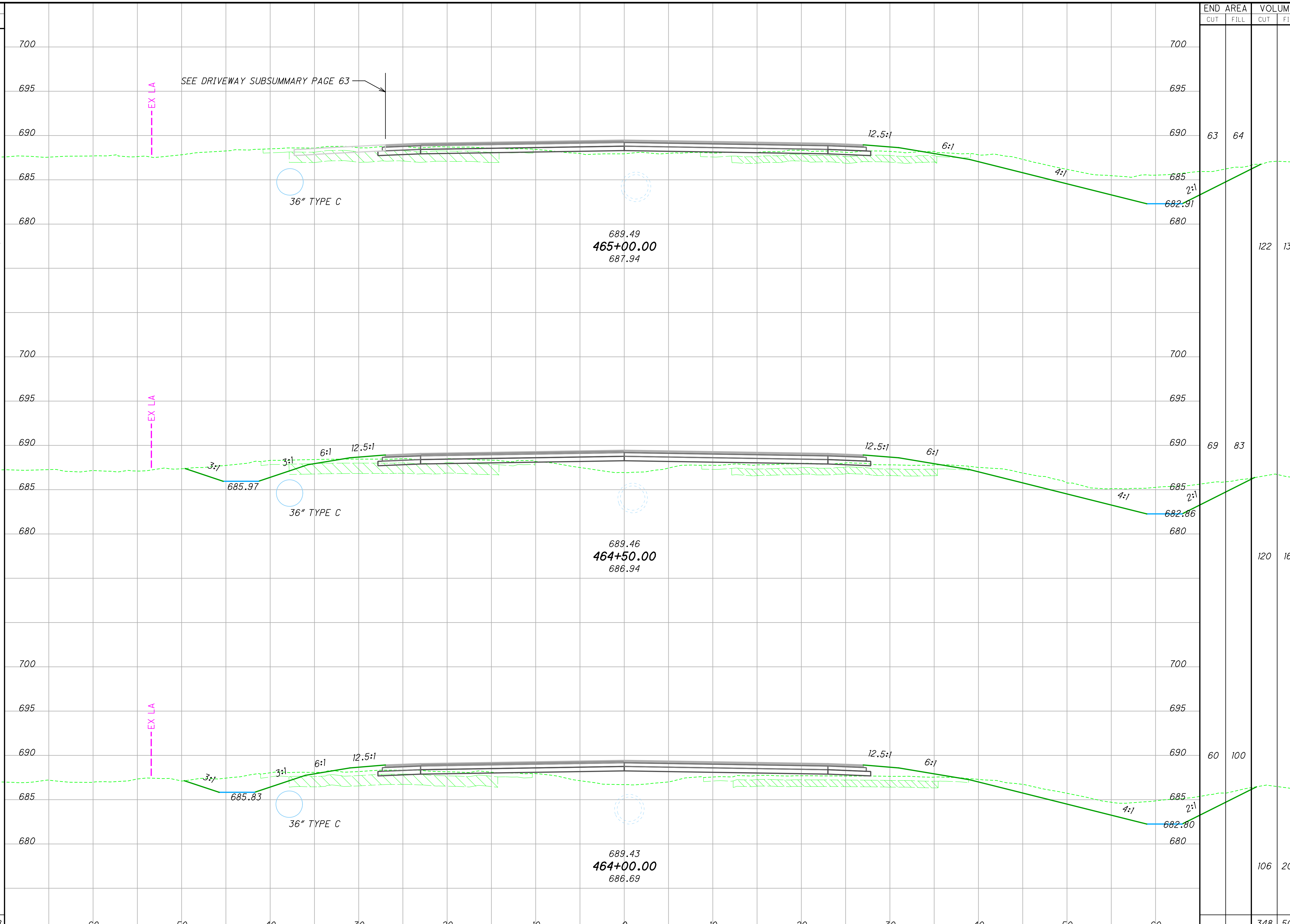
CHECKED XXX

CROSS SECTIONS
STA. 462+50.00 TO STA. 463+50.00

WOO-25-0.75

384
465

I:\ProjectData\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133_XS001_Copy.dgn Sheet 1/18/2022 10:44:33 AM jerford



Station	SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
465+00.00	44.71		63	64		
		307			122	135
464+50.00	65.80		69	83		
		367			120	169
464+00.00	66.17		60	100		
		374			106	203
Total		1048			348	507

CALCULATED XXX

CHECKED XXX

CROSS SECTIONS
STA. 464+00.00 TO STA. 465+00.00

WOO-25-0.75

SEEDING	
END WIDTH	SQ. YDS.
48.90	
	312
63.62	
	345
60.52	
	293
	950

END AREA	
CUT	FILL
107	18
98	38
79	49

VOLUME	
CUT	FILL
189	51
164	80
131	104
484	235

CALCULATED XXX
CHECKED XXX

SEE DRIVEWAY SUBSUMMARY PAGE 63

EX LA

36" TYPE C

689.81
466+50.00
688.50

12.5:1 6:1 4:1 2:1
683.08

202 CB REMOVED
STA 465+75.73, 49.49' LT
EX. CB-2-2B, GRATE ELEV 687.18'
6" VCP W 684.75
12" RCP E 683.98

3:1 3:1 6:1 12.5:1
687.94

36" TYPE C

689.69
466+00.00
687.79

12.5:1 6:1 4:1 2:1
683.02

STA 465+33.82, 37.74' LT
CB-2-4, GRATE ELEV 687.72
36" (S) 683.35
36" (N) 683.35

3:1 3:1 6:1 12.5:1
687.77

202 CB REMOVED
STA 465+74.72, 1.84' RT
EX. CB-2-4, GRATE ELEV 686.73'
33" RCP N 683.13
33" RCP S 683.03
12" RCP W 683.58

689.57
465+50.00
687.51

12.5:1 6:1 4:1 2:1
682.97

700 695 690 685 680

60 50 40 30 20 10 0 10 20 30 40 50 60

CROSS SECTIONS
STA. 465+50.00 TO STA. 466+50.00

WOO-25-0.75

386
465

SEEDING	
END WIDTH	SQ. YDS.
60.91	342
62.12	349
63.57	312
	1003

END AREA	
CUT	FILL
117	11
118	15
121	19
221	31
210	34
649	89

VOLUME	
CUT	FILL
218	24

CALCULATED XXX
CHECKED XXX

700
695
690
685
680

EX LA

3:1 3:1 6:1 12.5:1 12.5:1 6:1 4:1 2:1

688.80
36" TYPE C
690.16
468+00.00
688.80
684.17

688.55
36" TYPE C
202 CB REMOVED
STA 467+60.15, 1.03' RT
EX. CB-2-4, GRATE ELEV 688.24'
33" RCP N 683.34
33" RCP S 683.24
690.04
467+50.00
688.69
683.79

STA 466+96.37, 38.17' LT
CB-2-4, GRATE ELEV 688.30
36" (S) 683.75
36" (N) 683.75
689.92
467+00.00
688.94
683.42

60 50 40 30 20 10 0 10 20 30 40 50 60

CROSS SECTIONS
STA. 467+00.00 TO STA. 468+00.00
WOO-25-0.75

387
465

I:\ProjectData\W00\92133_W00-25-0.75\Design\Roadway\Sheets\92133_XS00L_Copy.dgn Sheet 1/18/2022 10:44:43 AM jerford

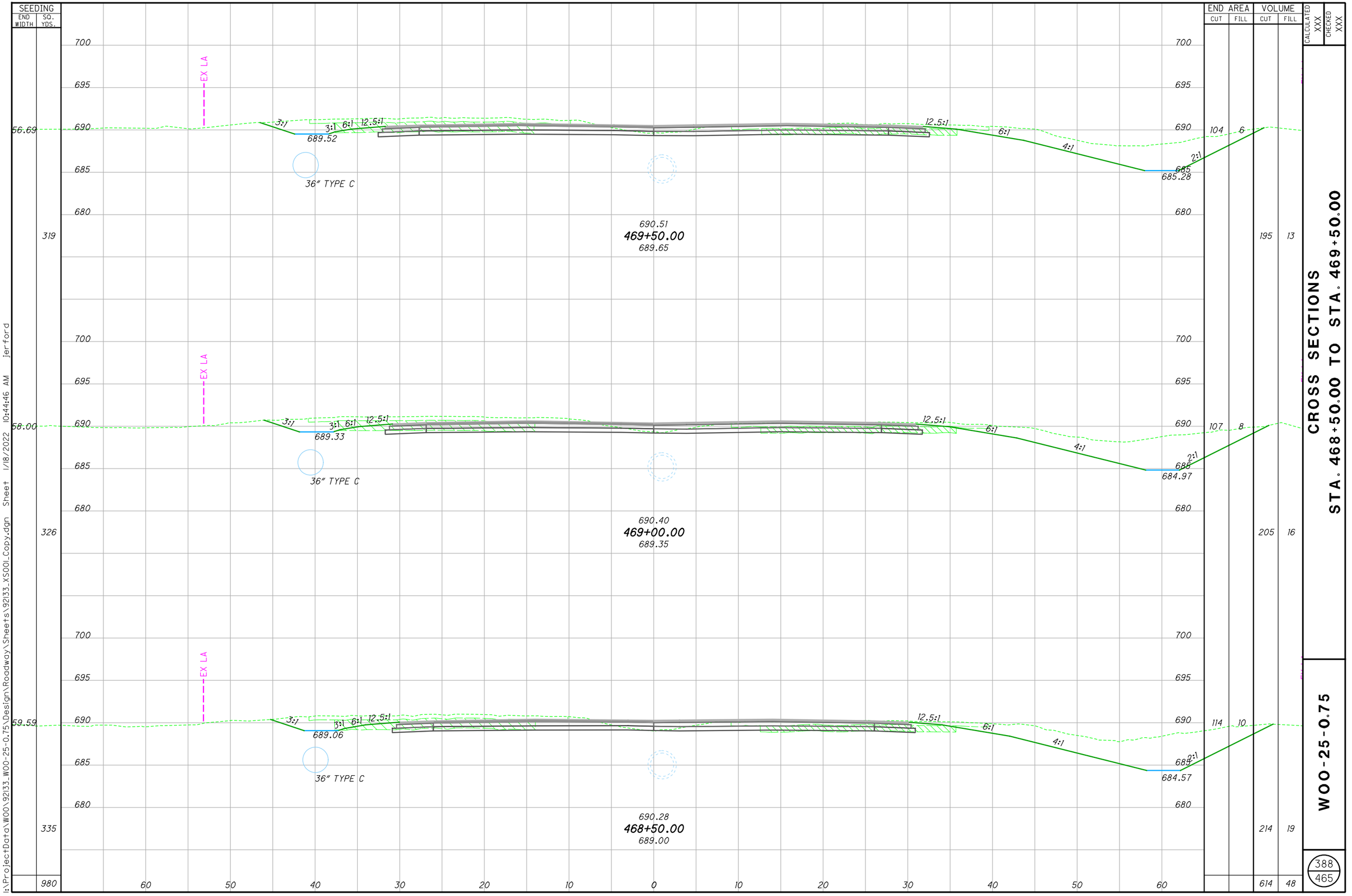
SEEDING	
END WIDTH	SQ. YDS.
56.69	319
58.00	326
59.59	335
	980

END AREA	
CUT	FILL
104	6
107	8
114	10

VOLUME	
CUT	FILL
195	13
205	16
214	19
614	48

CALCULATED XXX

CHECKED XXX



CROSS SECTIONS

STA. 468+50.00 TO STA. 469+50.00

WOO-25-0.75

388
465

I:\ProjectData\W00\92133_W00-25-0.75\Design\Roadway\Sheets\92133_XS001_Copy.dgn Sheet 1/18/2022 10:44:46 AM jerford

SEEDING	
END WIDTH	SQ. YDS.
	313
	271
	267
	851

END AREA	
CUT	FILL
84	4
103	4
103	3
190	6
191	8
553	21

VOLUME	
CUT	FILL
172	7

CALCULATED XXX
CHECKED XXX

EX LA

54.62
689.69
3:1 3:1 6:1 12.5:1
36" TYPE C
690.76
471+00.00
689.78
12.5:1 6:1 4:1 3:1
686.84

58.13
STA 470+48.34, 42.26' LT
CB-2-3, GRATE ELEV 689.57
36" (S) 684.59
36" (N) 684.59
18" (E) 685.00
3:1 3:1 6:1 12.5:1
42'-18" TYPE B @ 4.73%
STA 470+50.00, .75' RT
CB-6, GRATE ELEV 690.70
18" (W) 687.00
690.70
470+50.00
690.17
12.5:1 6:1 4:1 3:1
685.90

39.46
SEE DRIVEWAY SUBSUMMARY PAGE 63
36" TYPE C
690.63
470+00.00
690.71
12.5:1 6:1 4:1 2:1
685.59

700 695 690 685 680

60 50 40 30 20 10 0 10 20 30 40 50 60

CROSS SECTIONS
STA. 470+00.00 TO STA. 471+00.00

WOO-25-0.75

389
465

I:\ProjectData\WOO\92133_WOO-25-0.75\Design\Roadway\Sheets\92133_XS001_Copy.dgn Sheet 1/18/2022 10:44:49 AM jerford