

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

WOO-75-8.60

**PORTAGE TOWNSHIP
WOOD COUNTY**

PROJECT DESCRIPTION

IMPROVE THE WEIGH STATION OFF OF I-75 IN WOOD COUNTY BY PERFORMING FULL DEPTH PAVEMENT REPLACEMENT AND SUBGRADE STABILIZATION OF THE PARKING LOT/SCALE AREA AND BY PLANING AND PAVING THE ENTRANCE AND EXIT RAMP. PERFORM NECESSARY RELATED WORK.

PROJECT EARTH DISTURBED AREA: 4.25 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.13 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: 4.90 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.

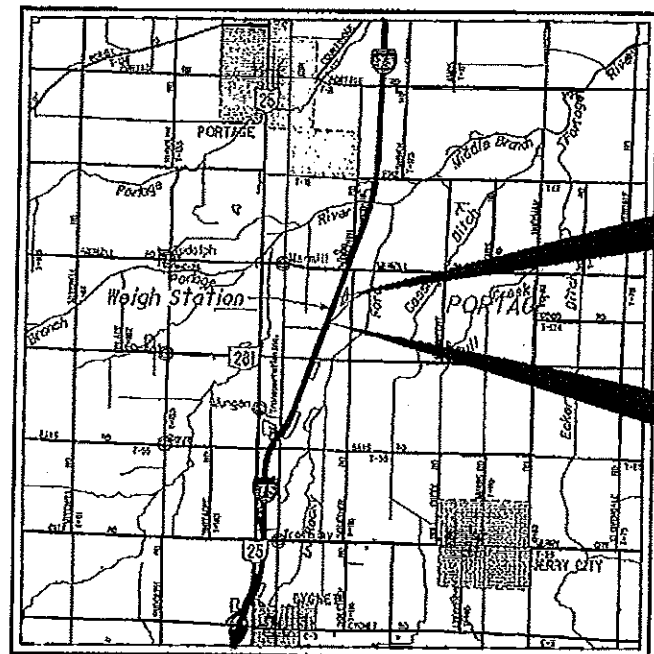
2010 SPECIFICATIONS

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

I HEREBY APPROVED THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

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LOCATION MAP

LATITUDE: 41°17'24" LONGITUDE: 83°38'05"



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

DESIGN DESIGNATION

CURRENT ADT (2012)	-----	6710
DESIGN YEAR ADT (2032)	-----	7550
DESIGN HOURLY VOLUME (2032)	-----	480
DIRECTIONAL DISTRIBUTION	-----	100%
TRUCKS (24 HOUR B&C)	-----	100%
DESIGN SPEED	-----	70 mph
LEGAL SPEED	-----	85 mph
DESIGN FUNCTIONAL CLASSIFICATION:		
RURAL INTERSTATE	-----	
NHS PROJECT	-----	YES

DESIGN EXCEPTIONS

NONE REQUIRED

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

CALL
1-800-362-2764
(TOLL FREE)

OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

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

PLAN PREPARED BY:
OHIO DEPT. OF TRANSPORTATION
DISTRICT 2
317 EAST POE ROAD
BOWLING GREEN, OHIO 43402

ENGINEERS SEAL:		STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS				
	SIGNED: <i>Doug A. Rogers</i> DATE: 2-10-12	BP-2.1	7/18/08	MT-35.10	4/20/01	TC-42.20	1/21/11	800	1/20/12		
		BP-2.2	7/18/08	MT-95.30	7/17/09	TC-61.30	7/15/11	823	7/15/11		
		BP-3.1	1/20/12	MT-98.29	7/17/09	TC-65.10	1/21/05	832	5/6/09		
		BP-8.1	7/18/08	MT-99.20	1/16/09	TC-65.11	1/21/05	847	10/21/11		
		BP-9.1	4/15/05	MT-101.60	4/17/09	TC-71.10	1/21/11	878	7/15/11		
		GR-1.1	7/16/04			TC-72.20	10/18/09				
		GR-2.1	1/16/04			TC-73.10	10/21/11				
		GR-3.1	10/16/09			TC-82.10	1/21/11				
		GR-4.2	1/20/12								
		RM-4.3	10/21/11								
		RM-4.5	10/16/09								
		RM-4.6	4/16/10								

APPROVED: *Donald M. Quast P.E.*
DATE: 12 FEB 12 DISTRICT DEPUTY DIRECTOR

APPROVED: *James W. ...*
DATE: 2-22-12 DIRECTOR, DEPARTMENT OF TRANSPORTATION

WOO - IR-75-8.60
C 120312 PID - 91244
Dist 2 5/10/2012

Contract Proposal Available
@ www.contracts.dot.state.oh.us/home

\\projects\WOO\91244

FEDERAL PROJECT NO.
NON-FEDERAL

PID NO.
91244

CONSTRUCTION PROJECT NO.

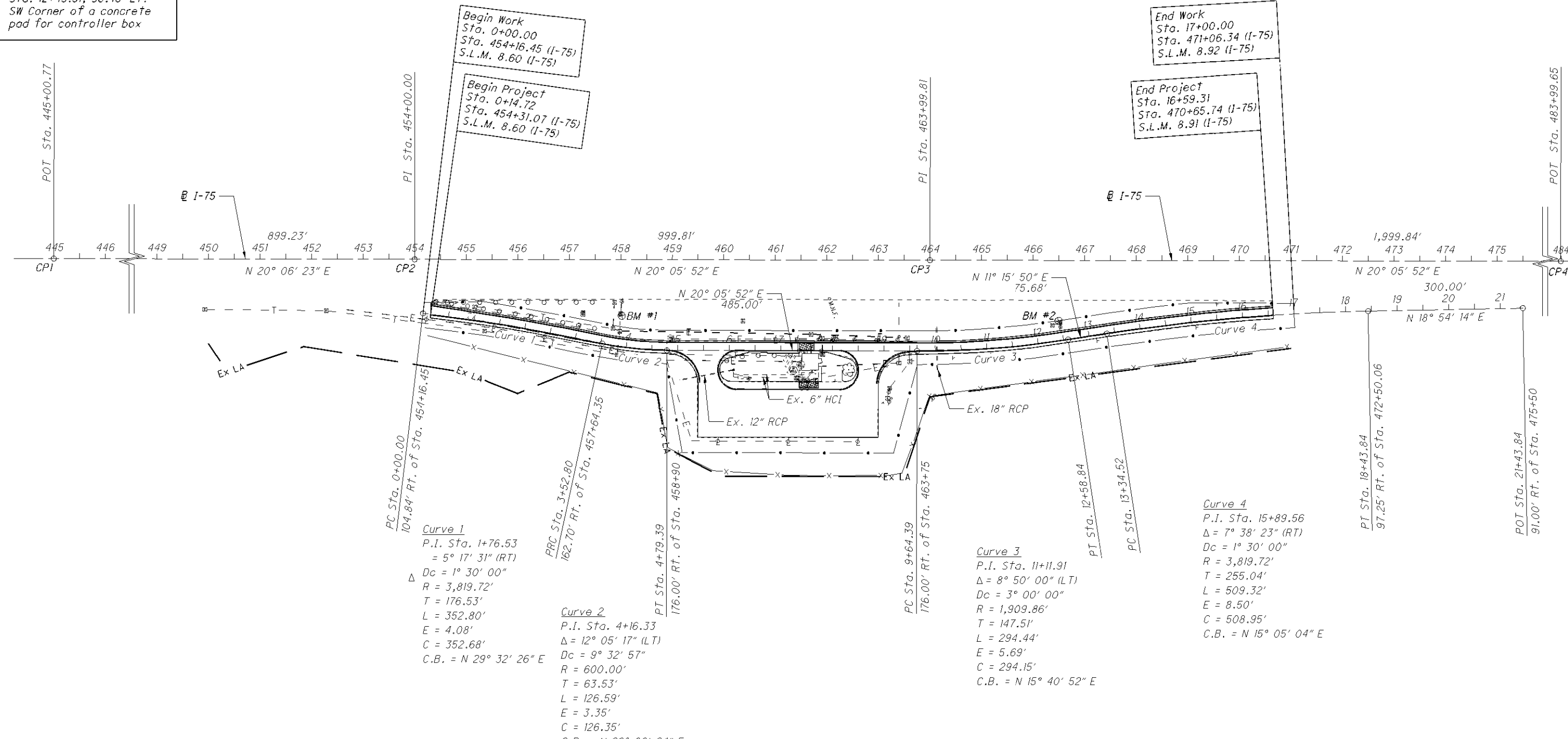
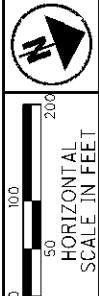
RAILROAD INVOLVEMENT
NONE

WOO-75-8.60

1
30

Benchmark #1
 El. 682.48
 Northing: 593260.427
 Easting: 1656520.445
 Sta. 3+80.98, 59.91' Lt.
 NE Corner of a concrete
 pad for controller box

Benchmark #2
 El. 682.98
 Northing: 594053.566
 Easting: 1656819.645
 Sta. 12+45.51, 38.48' Lt.
 SW Corner of a concrete
 pad for controller box



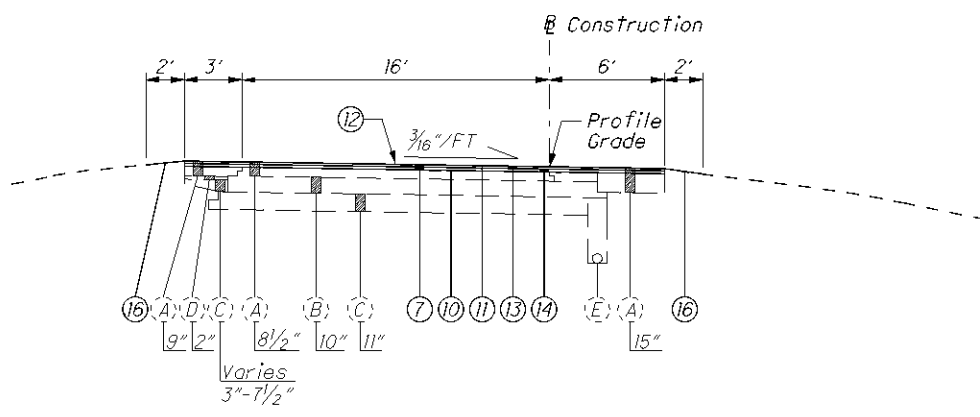
PRIMARY PROJECT CONTROL INFORMATION			
POINT NUMBER	GRID COORDINATES U.S. SURVEY FEET		DESCRIPTION
	NORTHING	EASTING	
CP1	592076.058	1655971.035	PROJECT CONTROL - CONCRETE MONUMENT
CP2	592920.485	1656280.157	PROJECT CONTROL - CONCRETE MONUMENT
CP3	593859.417	1656623.718	PROJECT CONTROL - CONCRETE MONUMENT
CP4	595736.615	1657310.958	PROJECT CONTROL - CONCRETE MONUMENT

SCHEMATIC PLAN

W00-75-8.60

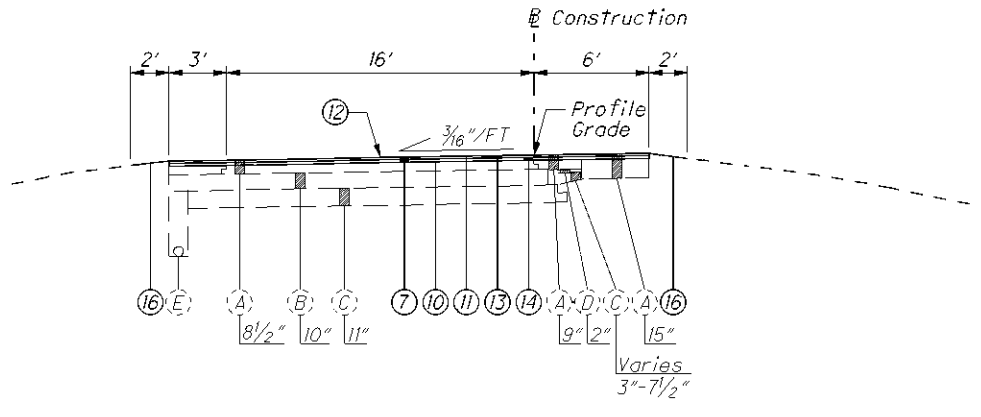
I:\projects\W00\91244\roadway\sheet\91244CB001.dgn 13-FEB-2012 7:42AM MMueller

I:\projects\W00\91244\Roadway\Sheets\91244CY001.dgn 13-FEB-2012 1:19PM MMueller



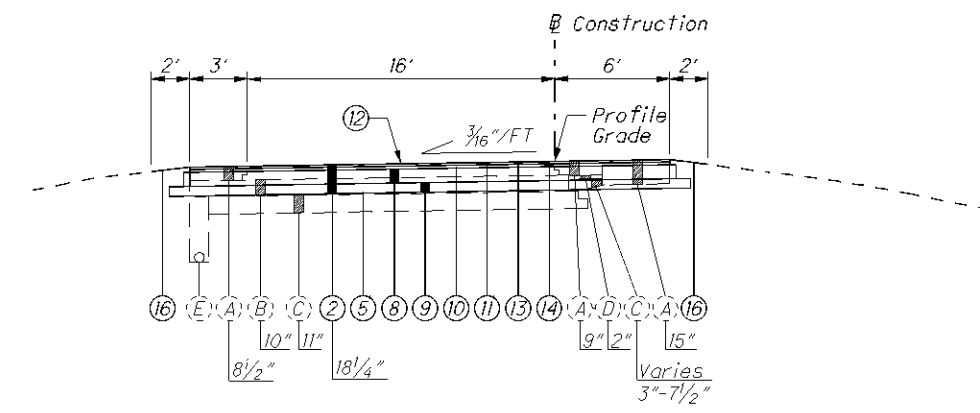
TYPICAL SECTION "A"

STA. 0+14.72 TO STA. 3+52.80 = 338.08'
 STA. 13+00.00 TO STA. 16+59.31 = 359.31'



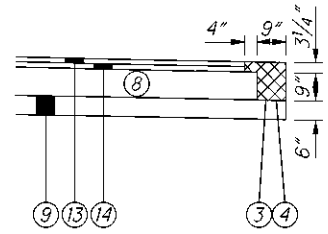
TYPICAL SECTION "B"

STA. 3+52.80 TO STA. 4+54.39 = 101.59'
 STA. 9+89.39 TO STA. 13+00.00 = 310.61'



TYPICAL SECTION "C"

STA. 4+54.39 TO STA. 4+79.39 = 25.00'
 STA. 9+64.39 TO STA. 9+89.39 = 25.00'



BASE AND SUBBASE STEP DETAIL FOR ASPHALT PAVEMENT

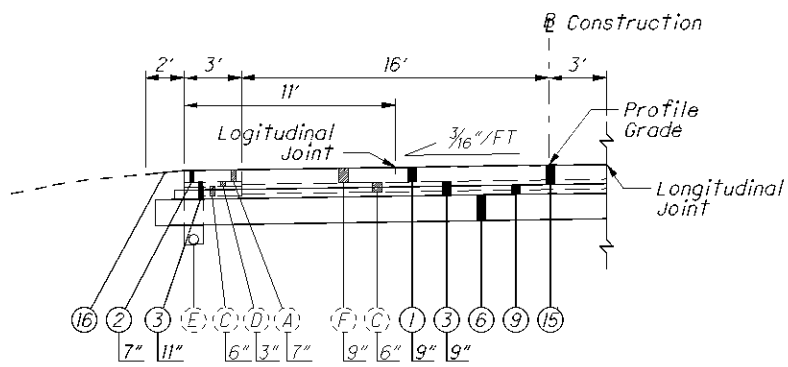
Proposed Legend

- ① Item 202 - Pavement Removed
- ② Item 202 - Pavement Removed, Asphalt
- ③ Item 203 - Excavation
- ④ Item 203 - Embankment
- ⑤ Item Special - Misc: Geogrid Cellular Confinement System
- ⑥ Item 206 - 16" Cement Stabilized Subgrade
- ⑦ Item 254 - 3/4" Pavement Planing, Asphalt Concrete
- ⑧ Item 301 - 9" Asphalt Concrete Base, PG64-22
- ⑨ Item 304 - 6" Aggregate Base

- ⑩ Item 407 - Tack Coat (0.075 gal/sy)
- ⑪ Item 407 - Tack Coat for Intermediate Course (0.04 gal/sy)
- ⑫ Item 409 - Sealing, Misc.: Longitudinal Joint Sealer
- ⑬ Item 442 - 1/2" Asphalt Concrete Surface Course, 12.5MM, Type A (448), As Per Plan
- ⑭ Item 442 - 1/4" Asphalt Concrete Intermediate Course, 19MM, Type A (448), As Per Plan
- ⑮ Item 452 - 12" Non-Reinforced Concrete Pavement, As Per Plan
- ⑯ Item 617 - Compacted Aggregate
- ⑰ Item 622 - Concrete Barrier, Single Slope, Type D
- ⑱ Item 847 - Superplasticized Dense Concrete Overlay, As Per Plan

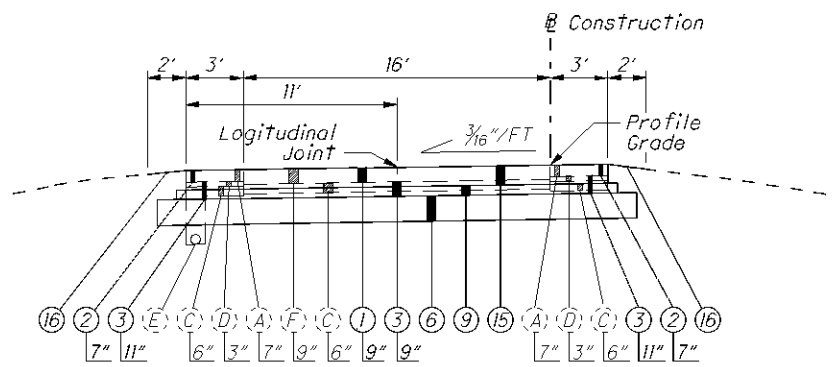
Existing Legend

- Ⓐ Asphalt Concrete
- Ⓑ Waterbound Macadam Base
- Ⓒ Subbase
- Ⓓ Aggregate Base
- Ⓔ 6" Pipe Underdrains
- Ⓕ Reinforced Portland Cement Concrete Pavement
- Ⓖ Sidewalk



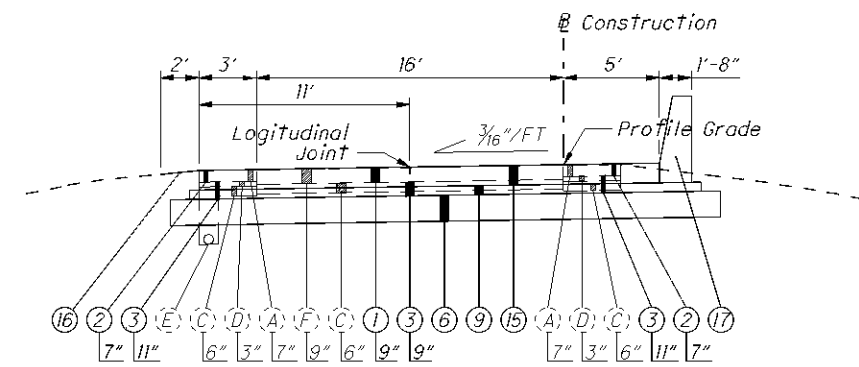
TYPICAL SECTION "D"

STA. 4+79.39 TO STA. 6+39.40 = 160.01'
 STA. 7+89.40 TO STA. 9+64.39 = 174.99'



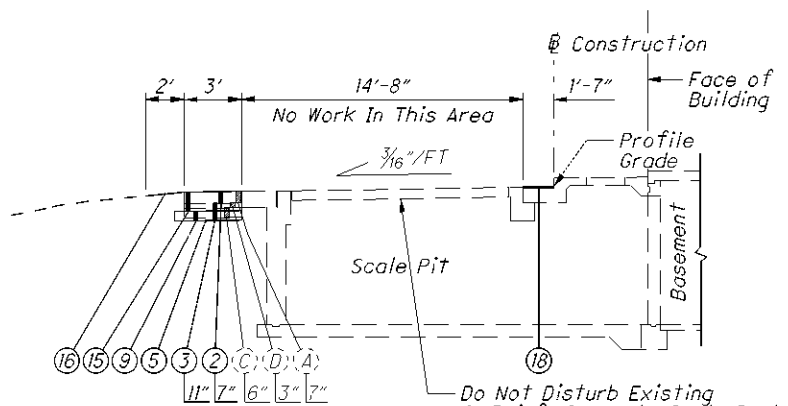
TYPICAL SECTION "E"

STA. 6+39.40 TO STA. 6+73.45 = 34.05'
 STA. 7+78.11 TO STA. 7+89.40 = 11.29'



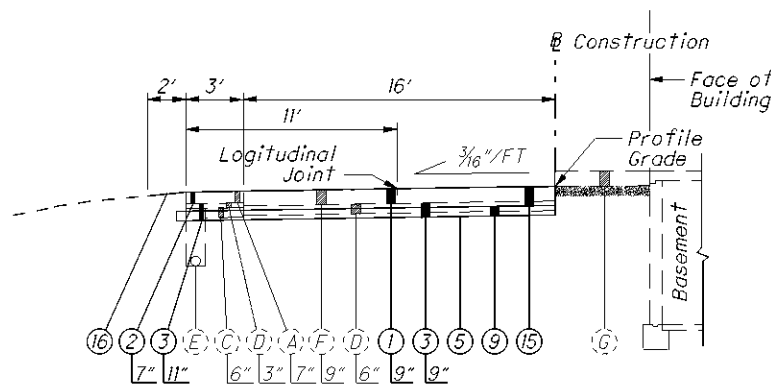
TYPICAL SECTION "F"

STA. 6+73.45 TO STA. 7+35.87 = 62.42'



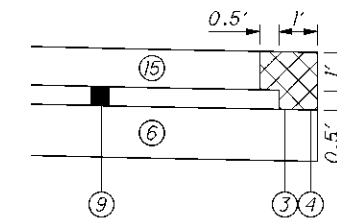
TYPICAL SECTION "G"

STA. 7+35.87 TO STA. 7+63.05 = 27.18'

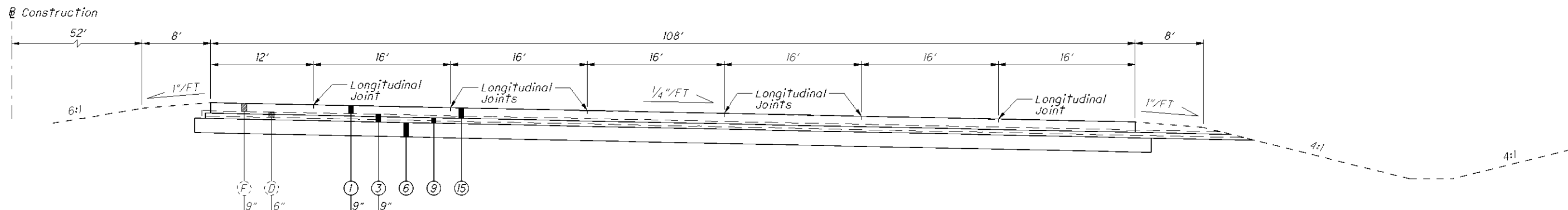


TYPICAL SECTION "H"

STA. 7+63.05 TO STA. 7+78.11 = 15.06'



BASE AND SUBBASE STEP DETAIL FOR CONCRETE PAVEMENT



TYPICAL PARKING AREA SECTION

STA. 5+39.40 TO STA. 8+89.40

Proposed Legend

- ① Item 202 - Pavement Removed
- ② Item 202 - Pavement Removed, Asphalt
- ③ Item 203 - Excavation
- ④ Item 203 - Embankment
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- ⑥ Item 206 - 16" Cement Stabilized Subgrade
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- ⑯ Item 617 - Compacted Aggregate
- ⑰ Item 622 - Concrete Barrier, Single Slope, Type D
- ⑱ Item 847 - Superplasticized Dense Concrete Overlay, As Per Plan

Existing Legend

- Ⓐ Asphalt Concrete
- Ⓑ Waterbound Macadam Base
- Ⓒ Subbase
- Ⓓ Aggregate Base
- Ⓔ 6" Pipe Underdrains
- Ⓕ Reinforced Portland Cement Concrete Pavement
- Ⓖ Sidewalk

ROUNDING

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

UTILITIES

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

CITY OF BOWLING GREEN AEP-AMERICAN ELECTRIC POWER
304 N. CHURCH STREET 2622 STATE ROUTE 100
BOWLING GREEN, OH 43402 TIFFIN, OH 44883
419-354-6227 419-209-5583

HANCOCK-WOOD ELECTRIC CENTURYLINK
COOPERATIVE, INC. 122 SOUTH ELIZABETH STREET
P.O. BOX 190 LIMA, OH 45801
NORTH BALTIMORE, OH 45872 419-226-6120
419-257-5015

ODOT DISTRICT 2 TRAFFIC NORTHWESTERN WATER &
SEWER DISTRICT
317 EAST POE ROAD P.O. BOX 348
BOWLING GREEN, OH 43402 BOWLING GREEN, OH 43402
419-353-8131 419-354-9090

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

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

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

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS / LEVELED BENCHMARK
MONUMENT TYPE: CONCRETE MONUMENTS (EXISTING)

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID09

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83(CORS96)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE NORTH ZONE
COMBINED SCALE FACTOR: 1.00 (GRID COORDINATES)
ORIGIN OF COORDINATE SYSTEM: NA

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION 823.

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

WORK LIMITS

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

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDER AREAS:

659, TOPSOIL .137_ CU. YD.

659, COMMERCIAL FERTILIZER .0.17_ TON

659, WATER .7_ M. GAL.

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

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN 203.05. NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF 203.05.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS OF SUBGRADE STABILIZATION THAT REQUIRE PROOF ROLLING.

ITEM 204 - PROOF ROLLING .2.8_ HOURS.

CONTRACTION AND/OR EXPANSION JOINTS

ALTHOUGH SPECIFIC LOCATIONS OF CERTAIN CONTRACTION AND EXPANSION JOINTS HAVE BEEN DETAILED ON THIS PLAN, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. IN ALL CASES, THE PROVISION OF EXPANSION JOINTS AT ALL MAJOR STRUCTURES INCLUDING THE MAXIMUM SPACING BETWEEN CONTRACTION JOINTS IS IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING BP-2.2 AND THE SPECIFICATIONS.

ITEM 452, 12" NON-REINFORCED CONCRETE PAVEMENT, AS PER PLAN

THE CONTRACTOR SHALL PROVIDE DOWELS AT TRANSVERSE CONTRACTION JOINTS IN THE CONCRETE PORTION OF THIS PROJECT AS DETAILED ON STANDARD CONSTRUCTION DRAWING BP-2.2.

ITEM 847, SUPERPLASTICIZED DENSE CONCRETE OVERLAY, AS PER PLAN

THIS WORK SHALL CONSIST OF FURNISHING THE NECESSARY LABOR, MATERIALS AND EQUIPMENT TO REPAIR APPROXIMATELY 5 SY OF CONCRETE NEAR THE SCALE PAD IN ACCORDANCE WITH THE SPECIFICATIONS LOCATED UNDER SUPPLEMENTAL SPECIFICATION 847. THIS 1'-7" WIDE SECTION OF CONCRETE IS BETWEEN THE SCALE AND THE SIDEWALK AS SHOWN ON SHEET 14.

ITEM 847, SUPERPLASTICIZED DENSE CONCRETE OVERLAY, AS PER PLAN 5 SO. YD.

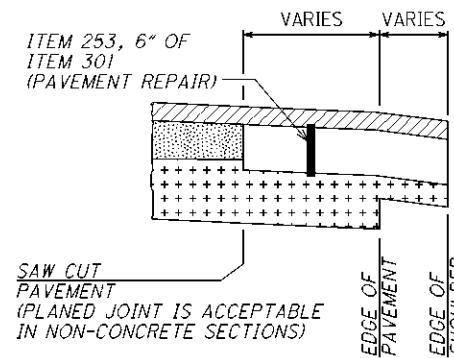
ITEM 253, PAVEMENT REPAIR:

PAVEMENT SHALL BE PLANED BEFORE PAVEMENT REPAIRS ARE PERFORMED.

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED FOR 6" PAVEMENT REPAIR ON THE WEIGH STATION RAMPS AS DIRECTED BY THE ENGINEER AND ARE BASED ON 1% OF FLEXIBLE SECTION:

WEIGHSTATION - 1% 54 SO. YARDS

QUANTITIES CARRIED TO THE GENERAL SUMMARY



- LEGEND**
- ASPHALT
 - EXISTING BASE MATERIAL
 - 3 1/4" PAVEMENT PLANING

NOTE: THE ENGINEER SHALL FIELD VERIFY ALL LOCATIONS PRIOR TO THE BEGINNING OF WORK. ANY ADJUSTMENTS NECESSARY SHALL BE AS DIRECTED BY THE ENGINEER.

INTERMEDIATE COURSE MUST BE PLACED NO MORE THAN 7 DAYS FOLLOWING COMPLETION OF PAVEMENT REPAIRS.

ITEM 209, LINEAR GRADING

THE INTENT OF THIS LINEAR GRADING QUANTITY IS TO PROVIDE POSITIVE DRAINAGE OFF THE EDGE OF THE CONCRETE PAVEMENT IN THE TRUCK PARKING AREA. THE FOLLOWING QUANTITY SHALL BE USED TO REGRADE THE SLOPE 10' OFF THE EAST EDGE OF THE PAVEMENT. QUANTITY WAS INCLUDED UNDER ITEM 659, SEEDING AND MULCHING TO COVER THIS AREA.

ITEM 209, LINEAR GRADING 3.5 STATION

ITEM 442, ASPHALT CONCRETE SURFACE COURSE, AS PER PLAN

ITEM 442, ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN SHALL FOLLOW THE SPECIFICATIONS FOR THE 442 ITEM EXCEPT FOR SECTION 442.04 ASPHALT BINDER. THE BINDER SHALL BE PG76-22M FOR THE SURFACE COURSE.

ITEM 442, ASPHALT CONCRETE INTERMEDIATE COURSE, AS PER PLAN

ITEM 442, ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448), AS PER PLAN SHALL FOLLOW THE SPECIFICATIONS FOR THE 442 ITEM EXCEPT FOR SECTION 442.04 ASPHALT BINDER. THE BINDER SHALL BE PG76-22M FOR THE INTERMEDIATE COURSE AND A MAXIMUM OF 25% OF RAP BY DRY WEIGHT OF MIX CAN BE USED.

ITEM 409 - SEALER, MISC.: LONGITUDINAL JOINT SEALER

409 DESCRIPTION

THE WORK SHALL CONSIST OF FURNISHING AND INSTALLING A HOT-APPLIED ASPHALTIC JOINT ADHESIVE/SEALER ON LONGITUDINAL COLD CONSTRUCTION JOINTS IN ASPHALT CONCRETE PAVEMENTS AS SHOWN IN THE PLANS IN ACCORDANCE WITH THESE SPECIAL PROVISIONS.

409 MATERIALS

MATERIALS SHALL MEET THE FOLLOWING REQUIREMENTS:

CHARACTERISTIC	TEST	VALUE
BROOKFIELD VISCOSITY @ 400°F	ASTM D 3236	4000-10000 CP
CONE PENETRATION @ 77°F	ASTM D5329	60-100
FLOW @ 140°F	ASTM D 5329	5MM MAX.
RESILIENCE @ 77°F	ASTM D 5329	30% MIN.
DUCTILITY @ 77°F	ASTM D 113	30 CM MIN.
DUCTILITY @ 39.2°F	ASTM D 113	30 CM MIN.
TENSILE ADHESION @ 77°F	ASTM D 5329	500% MIN.
SOFTENING POINT	ASTM D 36	170°F MIN.
ASPHALT COMPATIBILITY	ASTM D 5329	PASS

THE MATERIAL SHALL BE "CRAFECO PAVEMENT JOINT ADHESIVE, PRODUCT NO. 34524" OR EQUAL.

409 INSTALLATION

INSTALLATION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATION OF THE MANUFACTURER.

409 BASIS OF PAYMENT

WORK UNDER THIS ITEM SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE BID PER LBS, FURNISHED AND PLACED. PRICE AND PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO PERFORM THE WORK, COMPLETE IN PLACE AND ACCEPTED. PAYMENT SHALL BE MADE UNDER:

ITEM 409 SEALER, MISC.: LONGITUDINAL JOINT SEALER

$$1975 \text{ FT.} \times \frac{1 \text{ LB.}}{4 \text{ FT.}} = 494 \text{ LB.}$$

ITEM 409 - SEALER MISC.: LONGITUDINAL JOINT SEALER 494 LB.

QUANTITIES WERE DETERMINED BY THE RATE 1 LB./4 FT. TOTALS CARRIED TO THE GENERAL SUMMARY.

CALCULATED
MJM
CHECKED
DAR

GENERAL NOTES

W00-75-8.60

**ITEM 451, REINFORCED CONCRETE PAVEMENT, MISC.:
SIDEWALK AND ACCESS DOOR**

THIS ITEM INCLUDES ALL WORK INVOLVED IN THE REMOVAL OF A STEEL ACCESS DOOR, FILLING THE OPENING WITH REINFORCED CONCRETE, AND ADJUSTING THE GRADE OF APPROXIMATELY 6 SY OF SIDEWALK AS SHOWN ON SHEET 14 OF THIS PLAN. DETAILS B AND C, AND SECTION A-A AND SECTION C-C WILL PROVIDE ADDITIONAL INFORMATION TO SUPPLEMENT THIS NOTE.

THE WORK INCLUDES THE REMOVAL OF A STEEL ACCESS DOOR TO THE SCALE PIT AND DOOR DRAINAGE PIPE. CARE SHALL BE TAKEN TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE ROOF OF THE TUNNEL. ANY STRUCTURAL DAMAGE THAT OCCURS WHILE REMOVING THE ACCESS DOOR SHALL BE REPAIRED BY THE CONTRACTOR. THREE FEET OF 1½" PIPE SHALL ALSO BE REMOVED. CUT AND PLUG THE PIPE AS SHOWN ON SECTION A-A ON SHEET 14.

THIS WORK ALSO INCLUDES PROVIDING THE NECESSARY FALSEWORK AND FORMING. CONSTRUCT FALSEWORK AND FORMS AS REQUIRED IN ITEM 508. ACCESS THROUGH THE SCALE HOUSE BASEMENT WILL BE PERMITTED TO INSTALL AND REMOVE THE NECESSARY FALSEWORK AND FRAMING. THE CONDITION OF THE SCALE HOUSE AND BASEMENT SHALL BE LEFT IN THE SAME CONDITION AS IT WAS BEFORE THE CONTRACTOR ENTERED.

DOWEL HOLES AND REINFORCING STEEL SHALL BE PROVIDED AND PLACED AS SHOWN ON SHEET 14. THE REINFORCING STEEL SHALL BE EPOXY COATED AND CONFORM TO ITEM 509. DOWEL HOLES SHALL PROVIDED AS SPECIFIED UNDER ITEM 510. HOLES SHALL BE DRILLED AT LEAST 1/16" LARGER IN DIAMETER THAN THE DOWEL BAR. NONSHRINK, NONMETALLIC GROUT SHALL BE USED.

THE SURFACE OF THE EXISTING CONCRETE SURFACE SHALL BE SCARIFIED AND CLEANED OF ALL DISINTEGRATED AND LOOSE MATERIAL. THOROUGHLY CLEAN THE SURFACE AND ALL EXPOSED REINFORCING STEEL OF ALL DIRT, DUST, OR OTHER FOREIGN MATERIALS WITH WATER, AIR UNDER PRESSURE, OR ANY OTHER METHOD THAT PRODUCES SATISFACTORY RESULTS. THOROUGHLY DRENCH THE SURFACE WITH CLEAN WATER. BEFORE PLACING CONCRETE, ALLOW THE SURFACE TO DRY TO A DAMP CONDITION.

ITEM 451, REINFORCED CONCRETE PAVEMENT, MISC.:
SIDEWALK AND ACCESS DOOR 6 SQ. YD.

ITEM 632, DETECTOR LOOPS, AS PER PLAN

THERE ARE LOOP DETECTORS LOCATED IN AREAS DESIGNATED FOR PAVEMENT PLANING THAT SHALL BE REPLACED. THE LOOP DETECTORS ARE LOCATED ON THE EXIT RAMP FOR THE WEIGH STATION AT THE FOLLOWING LOCATIONS:

STA. 0+87.63
STA. 4+35.88

THE LOCATION OF THE LOOP DETECTORS ARE ALSO SHOWN ON SHEET 30. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR DETECTOR LOOP REPLACEMENT:

ITEM 632, DETECTOR LOOP 2 EACH

THE ABOVE LISTED ITEMS SHALL BE USED AS DIRECTED BY THE ENGINEER. THE LOOPS SHALL BE RECTANGULAR DETECTOR LOOPS THAT ARE 10' WIDE BY 10' IN LENGTH, LOCATED IN THE CENTER OF THE RAMP. THE CONTRACTOR SHALL CONTACT DISTRICT 2 TRAFFIC MAINTENANCE ENGINEER AT 419-373-4303, PRIOR TO INSTALLATION. ODOT WILL DETERMINE BY WAY OF FIELD INSPECTION WITH THE CONTRACTOR, WHICH AND HOW MANY DETECTOR LOOPS HAVE BEEN DAMAGED AND NEED REPLACED. AT THAT TIME ODOT WILL ALSO FIELD LOCATE THE PROPOSED DETECTOR LOOP PLACEMENTS WITH THE CONTRACTOR AND LOCATE THE NECESSARY PULLBOXES AND LOOP LEAD-IN CABLES. ALL THE NEW LOOP INSTALLATIONS SHALL TAKE PLACE AFTER ALL THE PAVEMENT GRINDINGS ARE COMPLETE AND THEY SHOULD BE INSTALLED INTO THE PROPOSED INTERMEDIATE COURSE WITH SUBSEQUENT COVERING BY THE SURFACE COURSE.

ITEM SPECIAL, MISC: GEOGRID CELLULAR CONFINEMENT SYSTEM

A GEOGRID CELLULAR CONFINEMENT SYSTEM SHALL BE USED IN AREAS WHERE CEMENT STABILIZED SUBGRADE CAN NOT BE PERFORMED DUE TO UNDERGROUND UTILITIES. THE APPROXIMATE LOCATIONS OF THESE AREAS ARE SHOWN ON SHEET 16. QUANTITY FOR ITEM SPECIAL - MISC: GEOGRID CELLULAR CONFINEMENT SYSTEM WAS INCLUDED IN THE PAVEMENT CALCULATIONS ON SHEET 10 AND CARRIED TO THE GENERAL SUMMARY. THIS SYSTEM SHALL CONFORM TO THE SPECIFICATIONS SHOWN IN THE SPECIAL PROVISIONS FOR GEOGRID CELLULAR CONFINEMENT SYSTEM PID 91244.

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GENERAL NOTES

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ITEM 614, MAINTAINING TRAFFIC

THE CONTRACTOR SHALL NOTIFY THE ODOT DISTRICT 2 PERMIT DEPARTMENT AT 419-373-4301 AND THE COMMERCIAL ENFORCEMENT SERGEANT OF THE OHIO STATE HIGHWAY PATROL AT 419-421-5340 WITH THEIR INTENT TO CLOSE THE WEIGH STATION AT LEAST 2 WEEKS IN ADVANCE OF CLOSURE. THE CLOSURE WILL NOT BECOME EFFECTIVE UNTIL RECEIVING PERMISSION FROM THE ENGINEER. THE CLOSURE IS NOT TO EXCEED 90 CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES WILL BE ASSESSED AS PER 108.07 AFTER THE 90 DAY LIMIT IS EXCEEDED.

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

LANE CLOSURES SHALL BE LIMITED TO THE HOURS SHOWN ON THE ODOT WEBSITE AT THE TIME OF LETTING AT:

[HTTP://PLCM.DOT.STATE.OH.US/](http://plcm.dot.state.oh.us/)

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING

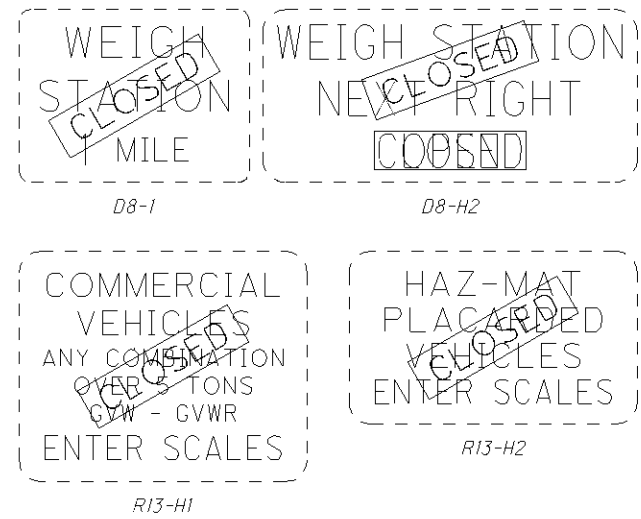
THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	12:00N WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

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.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED LIQUIDATED DAMAGES IN ACCORDANCE WITH CMS 108.07.

NOTE IF ON STANDARD CONSTRUCTION DRAWING MT-98.29 CALLS FOR AN "EXIT CLOSED" PLAQUE (W20-H15) TO BE PLACED DIAGONALLY ACROSS ALL SIGNS PERTAINING TO THE CLOSED RAMP. A "CLOSED" PLAQUE (W20-15A), 72 x 18 INCHES SHALL BE USED INSTEAD. BELOW ARE THE SIGNS THAT ARE TO HAVE THE "CLOSED" PLAQUE.



ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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.

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC (SECTION 642-2).

ITEM 614, REPLACEMENT SIGN

FLATSHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 5 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM 614, REPLACEMENT DRUM

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT DRUM, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUM.

AN ESTIMATED QUANTITY OF 5 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

DUST CONTROL

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

ITEM 616, WATER 4 M. GAL

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MAINTENANCE OF TRAFFIC GENERAL NOTES

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SHEET NUMBER											PARTICIPATION		ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
					5	6	10	15	18	28								
ROADWAY																		
													201	11000	LUMP		CLEARING AND GRUBBING	
												5905	202	23000	5905	SO YD	PAVEMENT REMOVED	
												336	202	23010	336	SO YD	PAVEMENT REMOVED, ASPHALT	
													202	38000	137.5	FT	GUARDRAIL REMOVED	
													202	42040	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
													203	10000	1861	CU YD	EXCAVATION	
													203	20000	161	CU YD	EMBANKMENT	
					2.8								204	45000	2.8	HOUR	PROOF ROLLING	
													206	10500	220	TON	CEMENT	
													206	11000	5554	SO YD	CURING COAT	
													206	15030	5554	SO YD	CEMENT STABILIZED SUBGRADE, 16 INCHES DEEP	
					3.5								209	60200	3.5	STATION	LINEAR GRADING	
													606	13000	93.75	FT	GUARDRAIL, TYPE 5	
													606	26500	1	EACH	ANCHOR ASSEMBLY, TYPE T	
													606	35000	1	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE I	
													622	10160	33.4	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	
													622	25000	1	EACH	CONCRETE BARRIER END SECTION, TYPE D	
													622	25050	1	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	
													1175	SPECIAL	69098300	1175	SO YD	SPECIAL - MISC: GEOGRID CELLULAR CONFINEMENT SYSTEM
													EROSION CONTROL					
					137								659	00300	137	CU YD	TOPSOIL	
													659	10000	1238	SO YD	SEEDING AND MULCHING	
					0.17								659	20000	0.17	TON	COMMERCIAL FERTILIZER	
					7								659	35000	7	M GAL	WATER	
													832	15000	LUMP		STORM WATER POLLUTION PREVENTION PLAN	
													832	30000	15000	EACH	EROSION CONTROL	
					DRAINAGE													
														603	02500	20	FT	8" CONDUIT, TYPE E
														604	31500	1	EACH	MANHOLE, NO. 3
					PAVEMENT													
					54									253	01000	54	SO YD	PAVEMENT REPAIR
														254	01000	5366	SO YD	PAVEMENT PLANING, ASPHALT CONCRETE
														301	46000	36	CU YD	ASPHALT CONCRETE BASE, PG64-22
														304	20000	1092	CU YD	AGGREGATE BASE
														407	10000	413	GALLON	TACK COAT
														407	14000	222	GALLON	TACK COAT FOR INTERMEDIATE COURSE
					494									409	98010	494	POUND	SEALING, MISC.: LONGITUDINAL JOINT SEALER
														442	20001	231	CU YD	ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN
														442	20201	267	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448), AS PER PLAN
						6								451	20000	6	SO YD	REINFORCED CONCRETE PAVEMENT, MISC.: SIDEWALK AND ACCESS DOOR
														452	15001	6275	SO YD	12" NON-REINFORCED CONCRETE PAVEMENT, AS PER PLAN
														617	10100	41	CU YD	COMPACTED AGGREGATE
														618	40100	817	FT	RUMBLE STRIPS, (ASPHALT CONCRETE)

GENERAL SUMMARY

W00-75-8.60

PAVEMENT CALCULATIONS

STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	SURFACE AREA A A=LxW	202		203		SPECIAL	206			254	301	304	407		442		452	617	
					PAVEMENT REMOVED	PAVEMENT REMOVED, ASPHALT	EXCAVATION	EMBANKMENT	MISC: GEOGRID CELLULAR CONFINEMENT SYSTEM	CEMENT	CURING COAT	CEMENT STABILIZED SUBGRADE, 16"	PAVEMENT PLANING, ASPHALT CONCRETE	9" ASPHALT CONCRETE BASE, P664-22	AGGREGATE BASE	TACK COAT (0.075 GAL/SY)	TACK COAT FOR INTERMEDIATE COURSE (0.04 GAL/SY)	1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448)	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448), AS PER PLAN	12" NON-REINFORCED CONCRETE PAVEMENT, AS PER PLAN	COMPACTED AGGREGATE	
					SO YD	SO YD	CU YD	CU YD	SO YD	TON	SO YD	SO YD	SO YD	CU D	CU YD	GALLON	GALLON	CU YD	CU YD	SO YD	CU YD	
<i>Ramps/Scale Area</i>																						
Sta. 0+14.72	Sta. 3+52.80	LT & RT	338.08	25	8452																	
Sta. 3+52.80	Sta. 4+54.39	LT & RT	101.59	25	2540																	
Sta. 4+54.39	Sta. 4+79.39	LT & RT	25	25	625				75													
Sta. 4+79.39	Sta. 6+39.40	LT & RT	160.01	22	3520	338	69	2			17	418	418		13	67				391	2	
Sta. 6+39.40	Sta. 6+73.45	LT & RT	34.05	22	749	61	23	28			4	95	95		15					83	1	
Sta. 6+73.45	Sta. 7+35.87	LT & RT	62.42	24	1498	111	42	51	9	33	6	154	154		31					166	1	
Sta. 7+35.87	Sta. 7+63.05	LT	27.18	19	516		9	5	2	14					2					9	1	
Sta. 7+63.05	Sta. 7+78.11	LT	15.06	19	286	27	5	9	1	34					5					32	1	
Sta. 7+78.11	Sta. 7+89.40	LT & RT	11.29	22	248	20	8	9	2	31					5					28	1	
Sta. 7+89.40	Sta. 9+64.39	LT & RT	174.99	22	3850	369	58	125	13	140	13	317	317		73					428	2	
Sta. 9+64.39	Sta. 9+89.39	LT & RT	25	25	625		69	2	2	75				18	13	5	3	3	3		1	
Sta. 9+89.39	Sta. 13+00.00	LT & RT	310.61	25	7765											65	35	36	42		6	
Sta. 13+00.00	Sta. 16+59.31	LT & RT	359.31	25	8983											75	40	42	49		7	
<i>Drive Aprons</i>																						
Sta. 4+79.39	Sta. 6+39.40	RT	57	66.5	4002	408		126	15	315	6	162	162		76						445	
Sta. 7+89.40	Sta. 9+64.39	RT	57	70	4187	423		132	16	368	5	132	132		79						465	
<i>Truck Parking Area</i>																						
Sta. 5+39.40	Sta. 8+89.40	RT	350	108	37332	4148		1102	55		169	4276	4276		699						4148	
<i>Car Parking Area</i>																						
Sta. 7+79.03	Sta. 8+19.03	RT	40	18	720			42	1	90					14						80	
TOTALS CARRIED TO GENERAL SUMMARY						5905	336	1747	135	1175	220	5554	5554	3082	36	1092	241	130	135	157	6275	33

EARTHWORK SUBSUMMARY

SHEET NO.	STATION		203		659
			EXCAVATION	EMBANKMENT	SEEDING & MULCHING
			CU YD	CU YD	SO YD
14	4+00	5+50	12	3	80
15	5+50	7+50	23	8	666
16	7+50	9+50	78	14	470
17	9+50	11+50	1	1	22
TOTALS CARRIED TO GENERAL SUMMARY			114	26	1238

SUBSUMMARIES / PAVEMENT CALCULATIONS

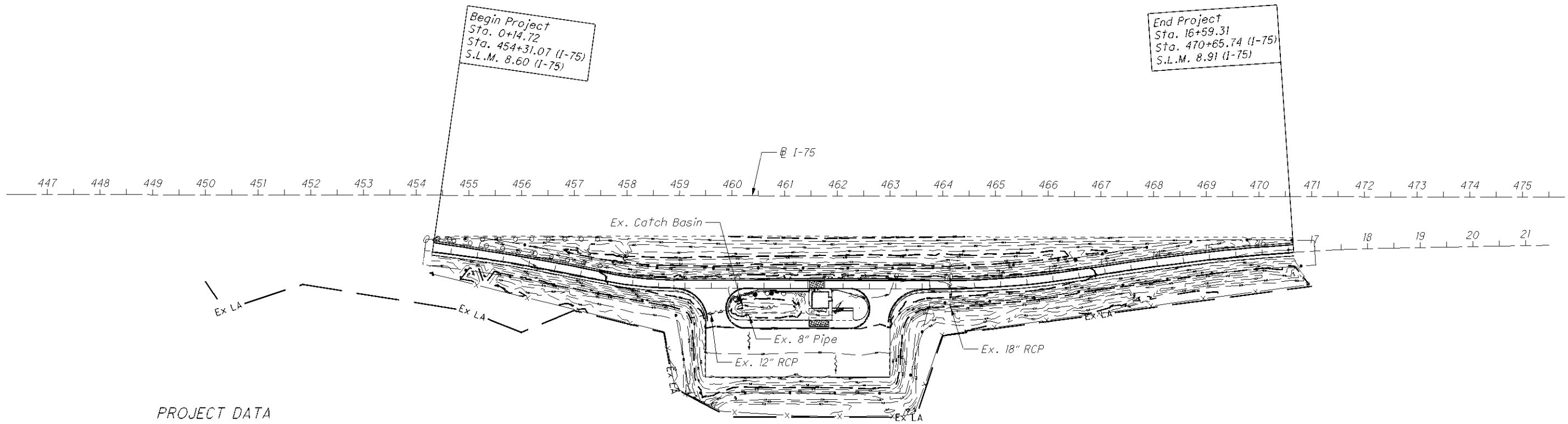
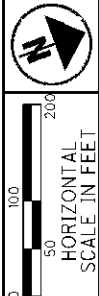
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PROJECT DESCRIPTION

IMPROVE THE WEIGH STATION OFF OF I-75 IN WOOD COUNTY BY PERFORMING FULL DEPTH PAVEMENT REPLACEMENT AND SUBGRADE STABILIZATION OF THE PARKING LOT/SCALE AREA AND BY PLANING AND PAVING THE ENTRANCE AND EXIT RAMP. PERFORM NECESSARY RELATED WORK.



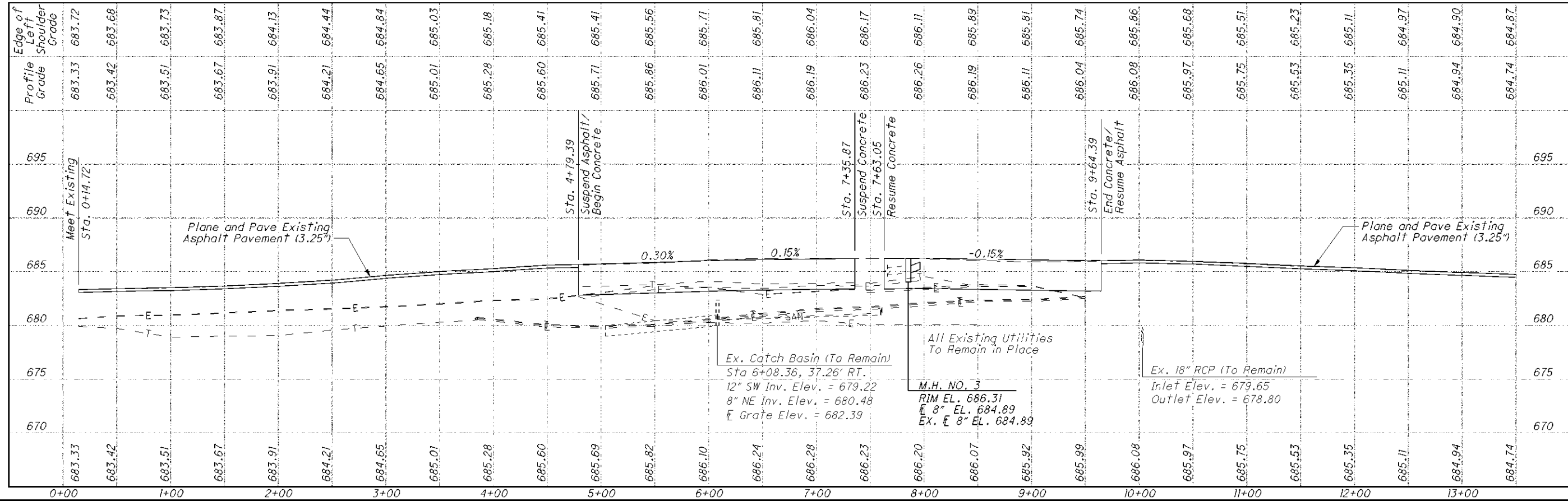
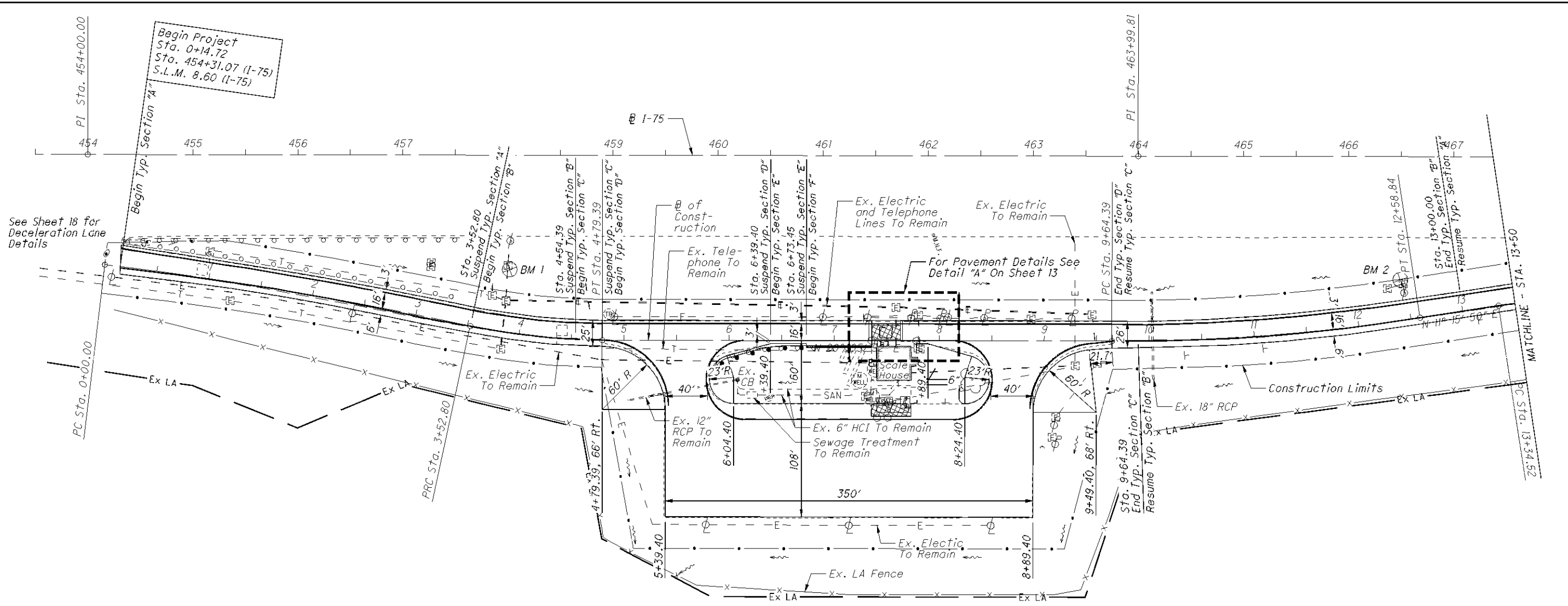
PROJECT DATA

TOTAL AREA (RIGHT OF WAY)	7.77 ACRES
PROJECT EARTH DISTURBED AREA	4.25 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	0.125 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA	4.90 ACRES
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.5 TO 0.9
RUNOFF COEFFICIENT FOR POST CONSTRUCTION SITE	0.5 TO 0.9
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE	2.00 ACRES
IMPERVIOUS (PAVED) AREA FOR POST CONSTRUCTION SITE	2.00 ACRES
IMMEDIATE RECEIVING WATERS	Rocky Ford
SUBSEQUENT RECEIVING WATERS	Middle Branch Portage River
LATITUDE	41°17'24"
LONGITUDE	83°38'05"
USGS MAP	BOWLING GREEN SOUTH

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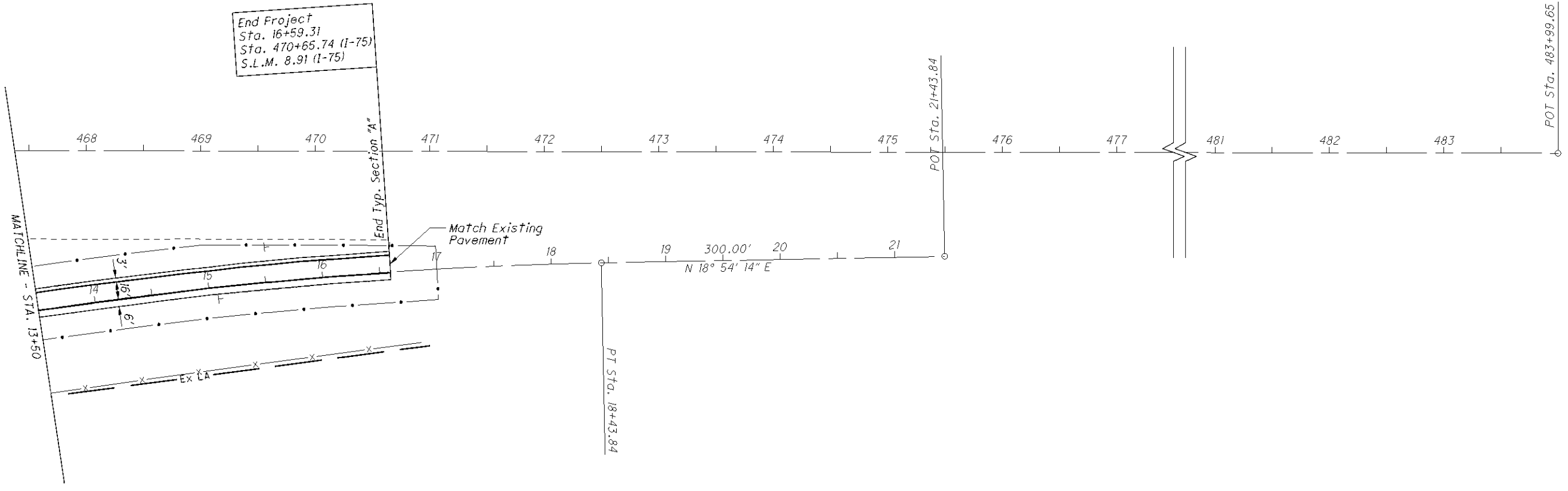
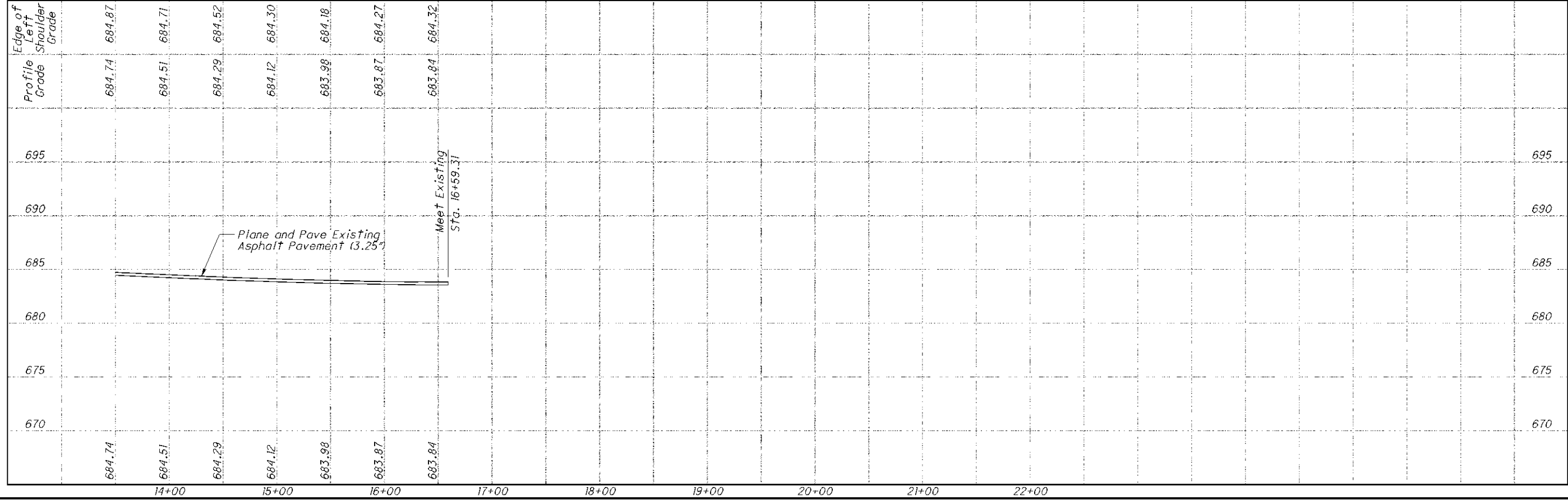
PROJECT SITE PLAN

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PLAN AND PROFILE
Sta. 0+00.00 to Sta. 13+50.00



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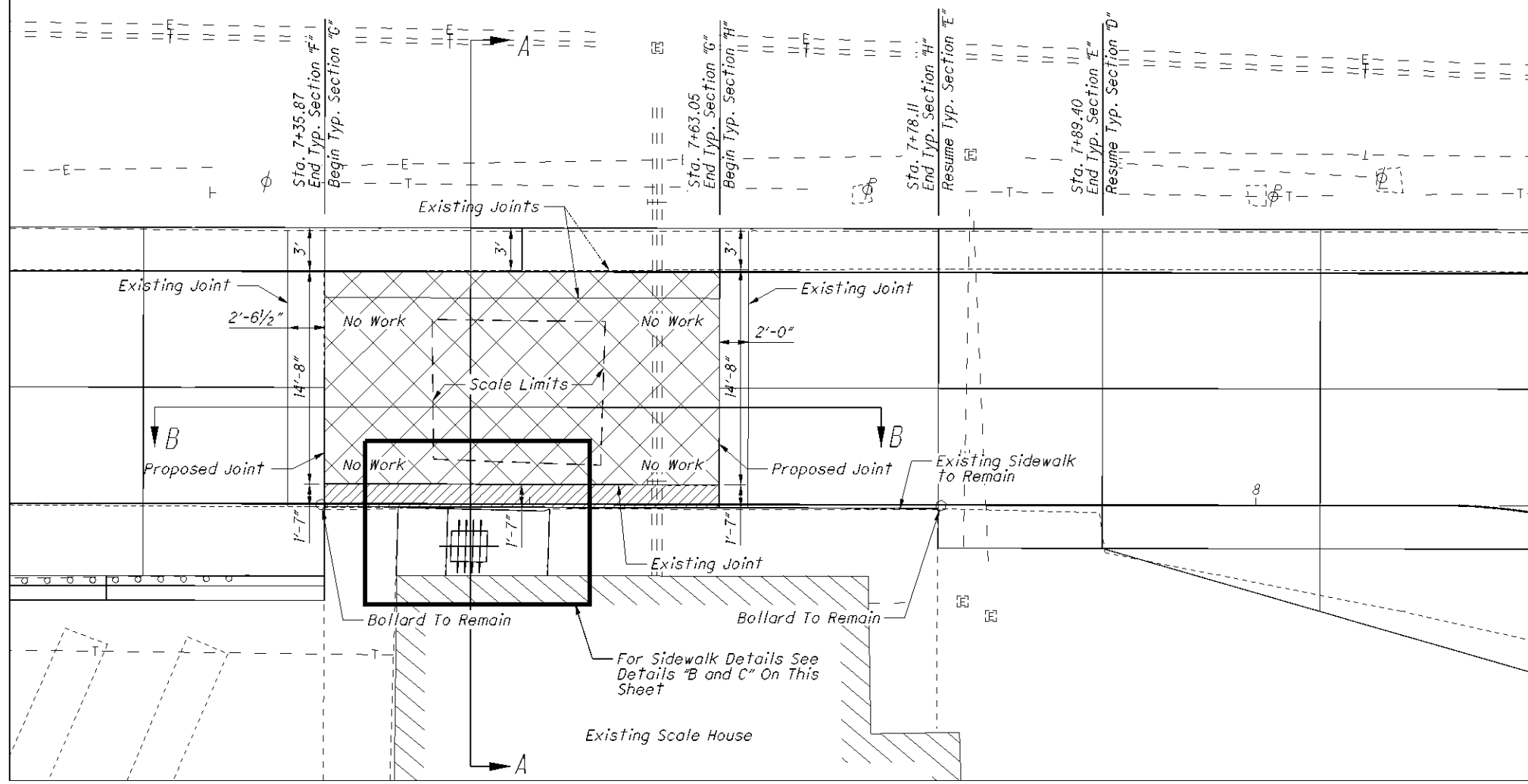


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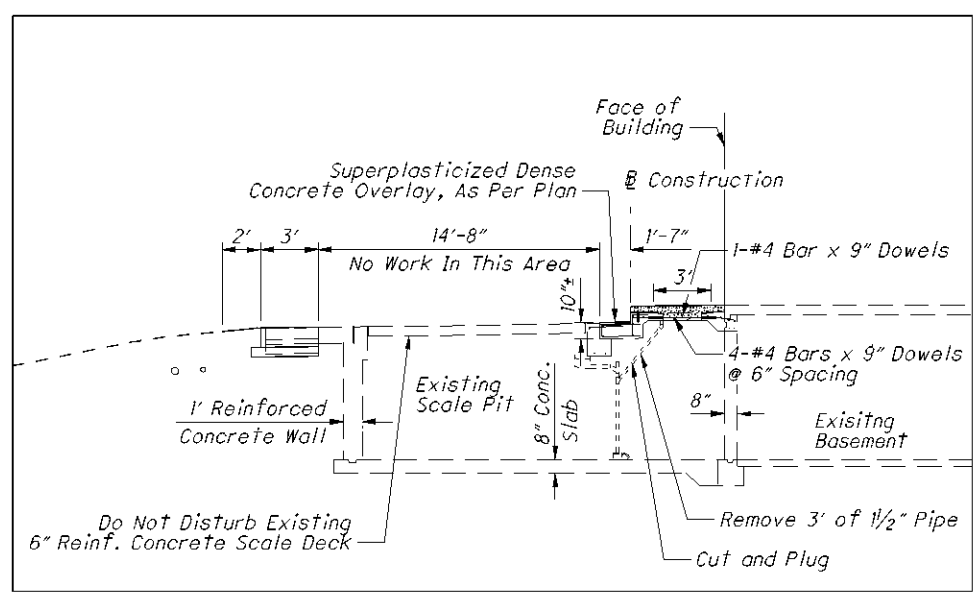
0 50 100
HORIZONTAL
SCALE IN FEET

PLAN AND PROFILE
Sta. 13+50.00 to Sta. 21+43.84

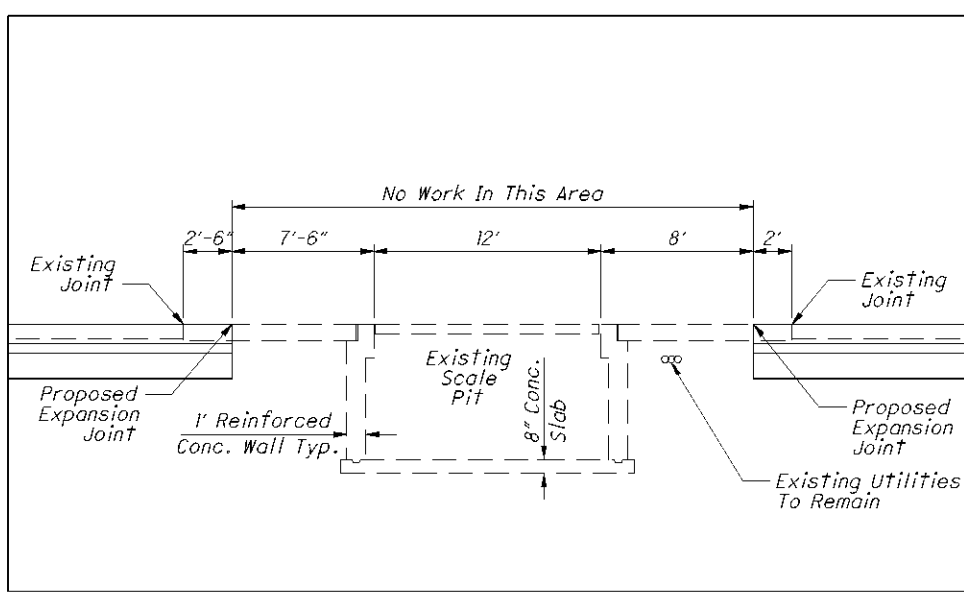
-  Item 847 - Superplasticized Dense Concrete Overlay, As Per Plan
-  No Work Shall Be Performed In This Area



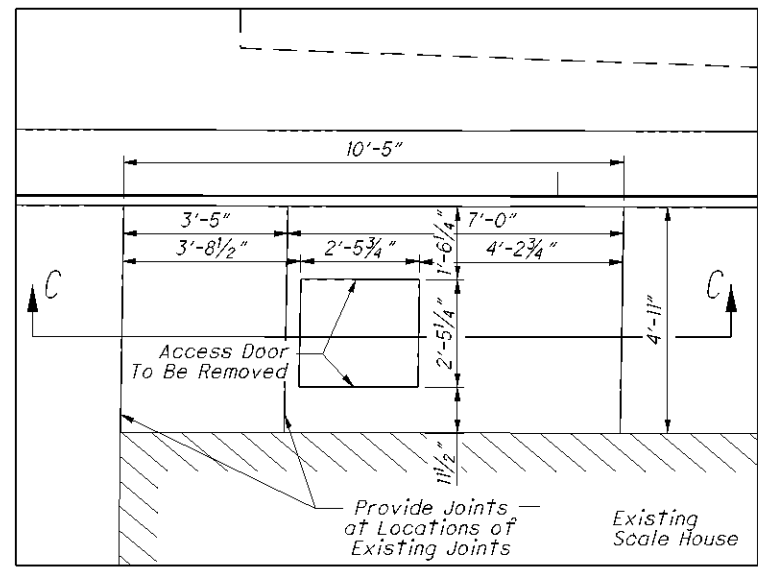
DETAIL "A"



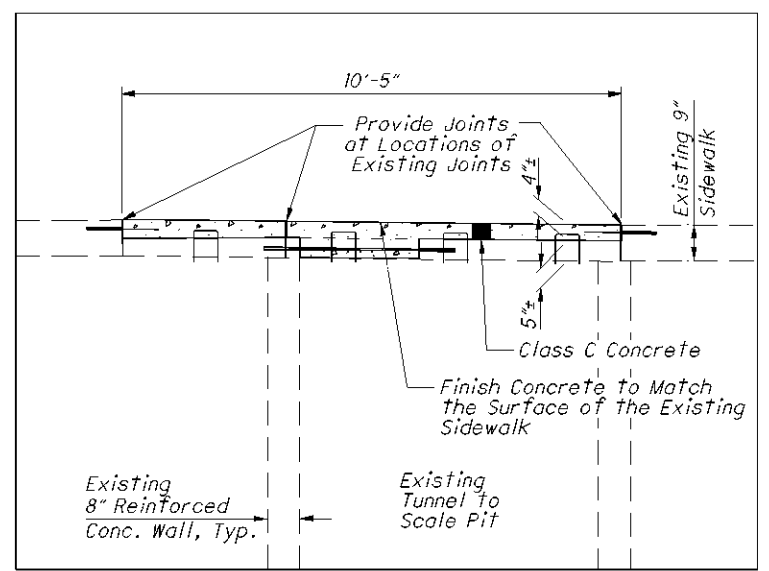
SECTION A-A



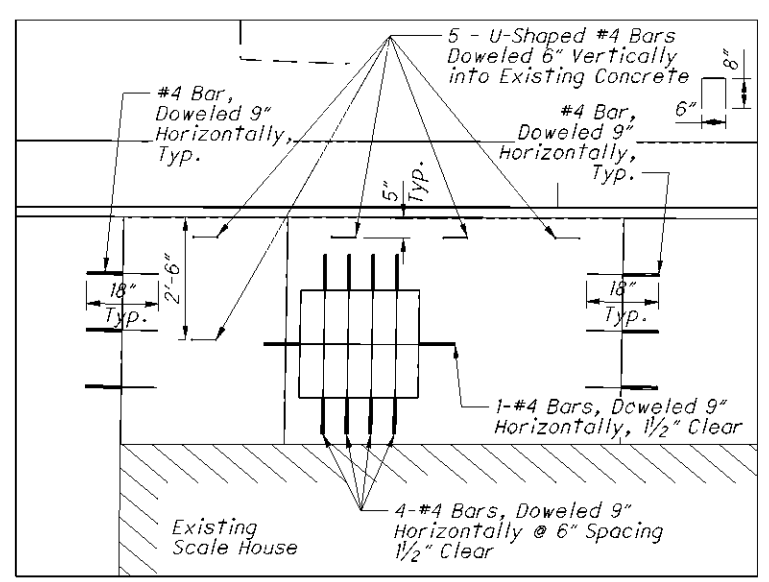
SECTION B-B



DETAIL "B"



SECTION C-C



Detail "C"

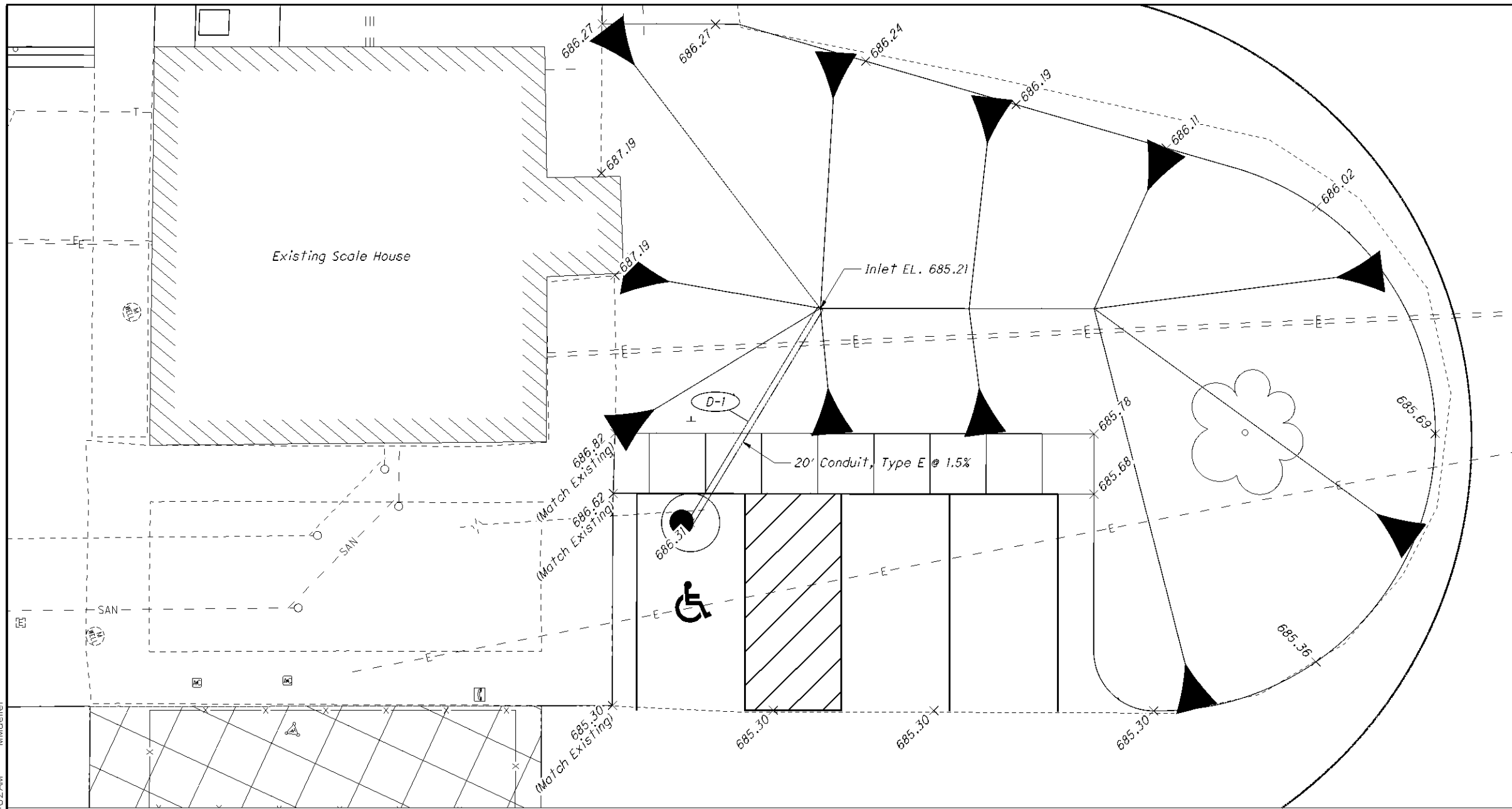
2.5' HORIZONTAL SCALE IN FEET
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PLAN DETAILS

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DRAINAGE SUBSUMMARY

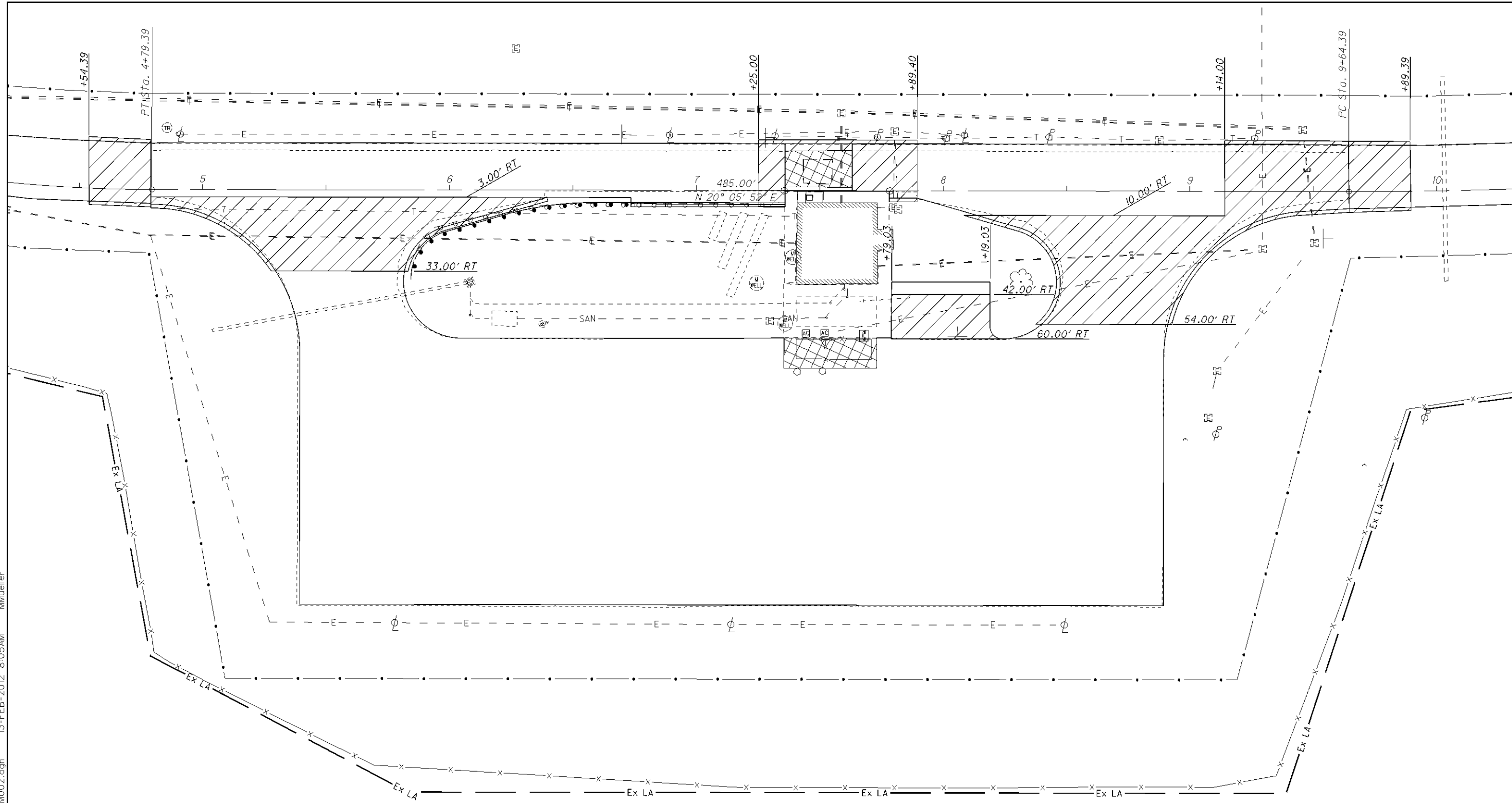
REF NO.	STATION	603		604	
		8" CONDUIT, TYPE E	FT	MANHOLE, TYPE 3	EACH
D-1	STA. 7+85.52, 44.42' RT. TO STA. 7+96.26, 26.60' RT.	20		1	
TOTALS CARRIED TO GENERAL SUMMARY		20		1	

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DRAINAGE DETAIL AND SUBSUMMARY

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
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0 20 40
 HORIZONTAL
 SCALE IN FEET

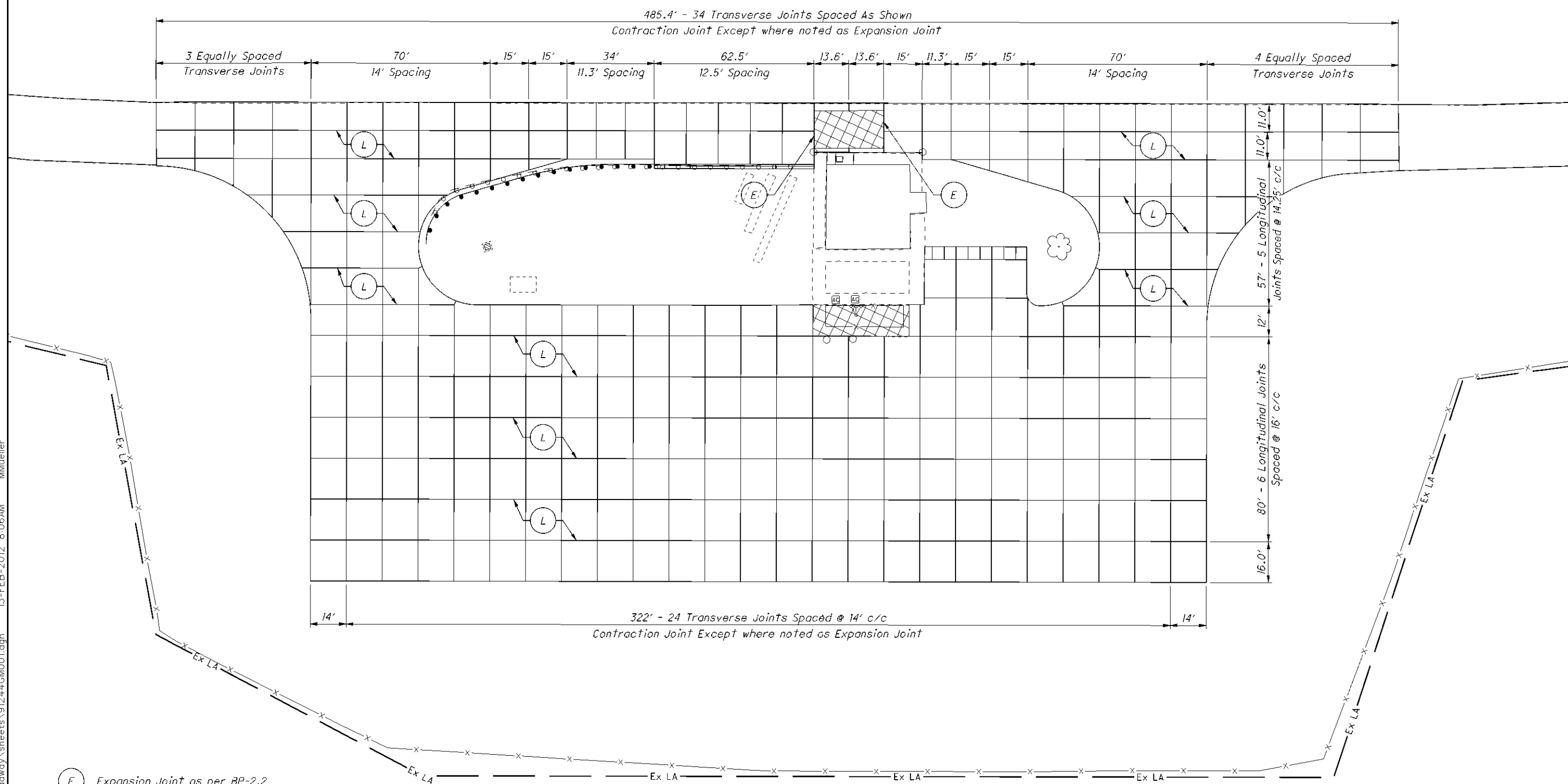
CEMENT STABILIZED SUBGRADE DETAILS

 THESE AREAS WERE NOT INCLUDED IN THE CALCULATIONS FOR ITEM 206, CEMENT STABILIZED SUBGRADE DUE TO UNDERGROUND UTILITIES. IF THE UTILITIES CAN BE VERIFIED BY THE CONTRACTOR IN THE FIELD AND SUBGRADE STABILIZATION CAN BE PERFORMED, THE CONTRACTOR SHALL BE PAID AT THE UNIT PRICE FOR ITEM 206, CEMENT STABILIZED SUBGRADE AND ITEM 206, CURING COAT FOR EACH ADDITIONAL SQUARE YARD PERFORMED AND FOR THE ADDITIONAL REQUIRED ITEM 206, CEMENT. IN THE AREAS WHERE CEMENT STABILIZED SUBGRADE CAN NOT BE PERFORMED DUE TO THE UNDERGROUND UTILITIES, A GEOGRID CELLULAR CONFINEMENT SYSTEM SHALL BE USED AS SPECIFIED IN THE SPECIAL PROVISIONS FOR THIS PROJECT.

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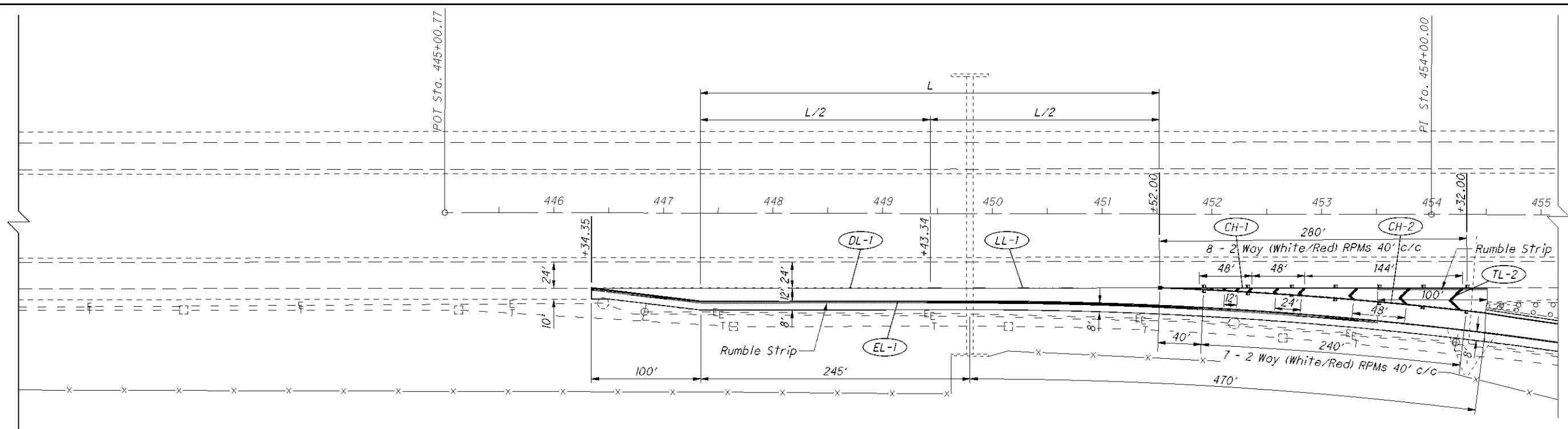
0 20 40
 HORIZONTAL
 SCALE IN FEET



- (E) Expansion Joint as per BP-2.2
- (L) Longitudinal Joint as per BP-2.1

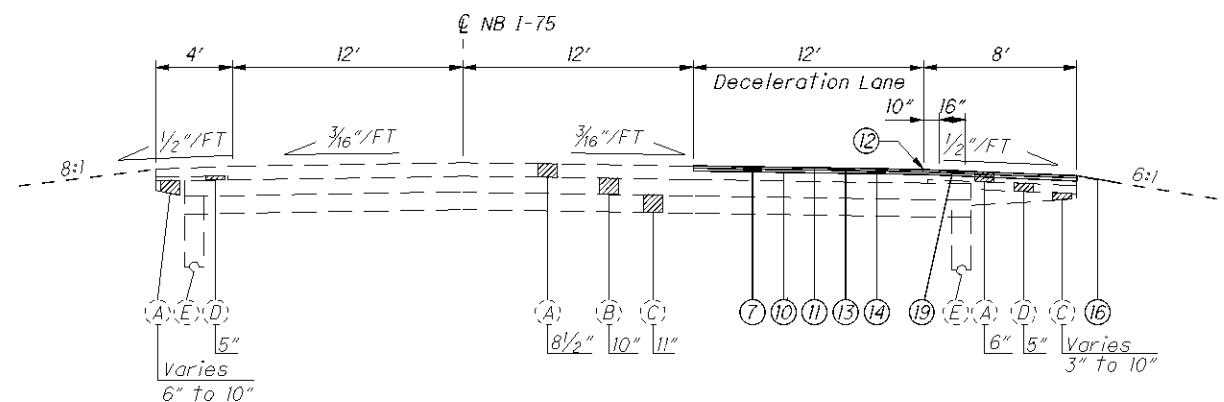
PAVEMENT JOINT DETAILS

W00-75-8.60



** This sheet includes pavement and pavement marking quantities for the deceleration lane and paved gore area only. Quantities and details for the ramp and scale area are included in the rest of the plans.

DECELERATION LANE PAVEMENT CALCULATIONS																
STATION TO STATION	LENGTH L	AVERAGE WIDTH W	SURFACE AREA A A=LxW	254	407	442	617	618								
				PAVEMENT PLANING, ASPHALT CONCRETE	TACK COAT (0.075 GAL/SY)	TACK COAT FOR INTERMEDIATE COURSE (0.04 GAL/SY)	1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448)	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448), AS PER PLAN	COMPACTED AGGREGATE	RUMBLE STRIPS, (ASPHALT CONCRETE)	SO YD	GALLON	GALLON	CU YD	CU YD	CU YD
Deceleration Ramp and Shoulder																
Sta. 446+34	Sta. 447+34	100	15	1500	167	13	7	7	8	1	100					
Sta. 447+34	Sta. 449+79	245	20	4900	544	41	22	23	26	2	245					
Sta. 449+79	Sta. 454+51	472	30	14160	1573	118	63	66	76	5	472					
TOTALS CARRIED TO GENERAL SUMMARY					2284	172	92	96	110	8	817					



TYPICAL SECTION:
NORTHBOUND I-75 WITH DECELERATION LANE

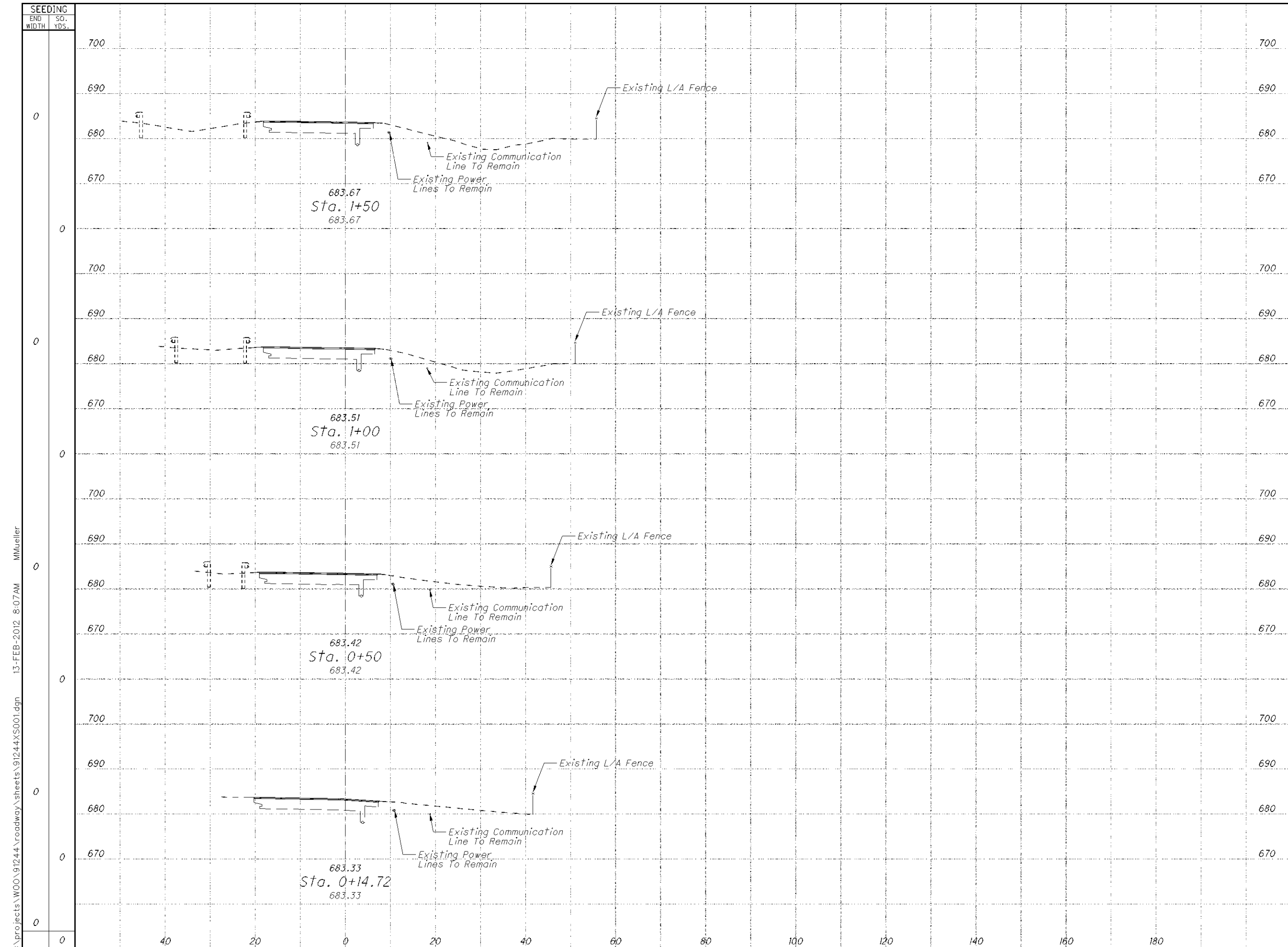
Existing Legend

- (A) Asphalt Concrete
- (B) Waterbound Macadam Base
- (C) Subbase
- (D) Aggregate Base
- (E) 6" Pipe Underdrains

Proposed Legend

- (7) Item 254 - 3/4" Pavement Planing, Asphalt Concrete
- (10) Item 407 - Tack Coat (0.075 gal/sy)
- (11) Item 407 - Tack Coat for Intermediate Course (0.04 gal/sy)
- (12) Item 409 - Sealing, Misc.: Longitudinal Joint Sealer
- (13) Item 442 - 1 1/2" Asphalt Concrete Surface Course, 12.5MM, Type A (448), As Per Plan
- (14) Item 442 - 1 3/4" Asphalt Concrete Intermediate Course, 19MM, Type A (448), As Per Plan
- (16) Item 617 - Compacted Aggregate
- (19) Item 618 - Rumble Strips, (Asphalt Concrete)

DECELERATION LANE PAVEMENT MARKINGS SUBSUMMARY									
REFERENCE NO.	STATION	SIDE	621				642		
			RPM (2 WAY, WHITE/RED)	RAISED PAVEMENT MARKER REMOVED	EDGE LINE, TYPE I (WHITE)	LANE LINE, TYPE I	CHANNELIZING LINE, TYPE I (WHITE)	TRANSVERSE/DIAGONAL LINE, TYPE I (WHITE)	DOTTED LINE, 4", TYPE I
	FROM	TO	EACH	EACH	MILE	MILE	FT	FT	FT
EL-1	446+34.35	454+50.00			0.16				
CH-1	451+52.00	454+51.00	15	17			300		
CH-2	451+52.00	454+50.00					300		
TL-1	451+52.00	454+50.00						104	
LL-1	449+43.34	451+52.00				0.04			
DL-1	446+34.35	449+43.34							309
TOTALS CARRIED TO GENERAL SUMMARY			15	17	0.16	0.04	600	104	309

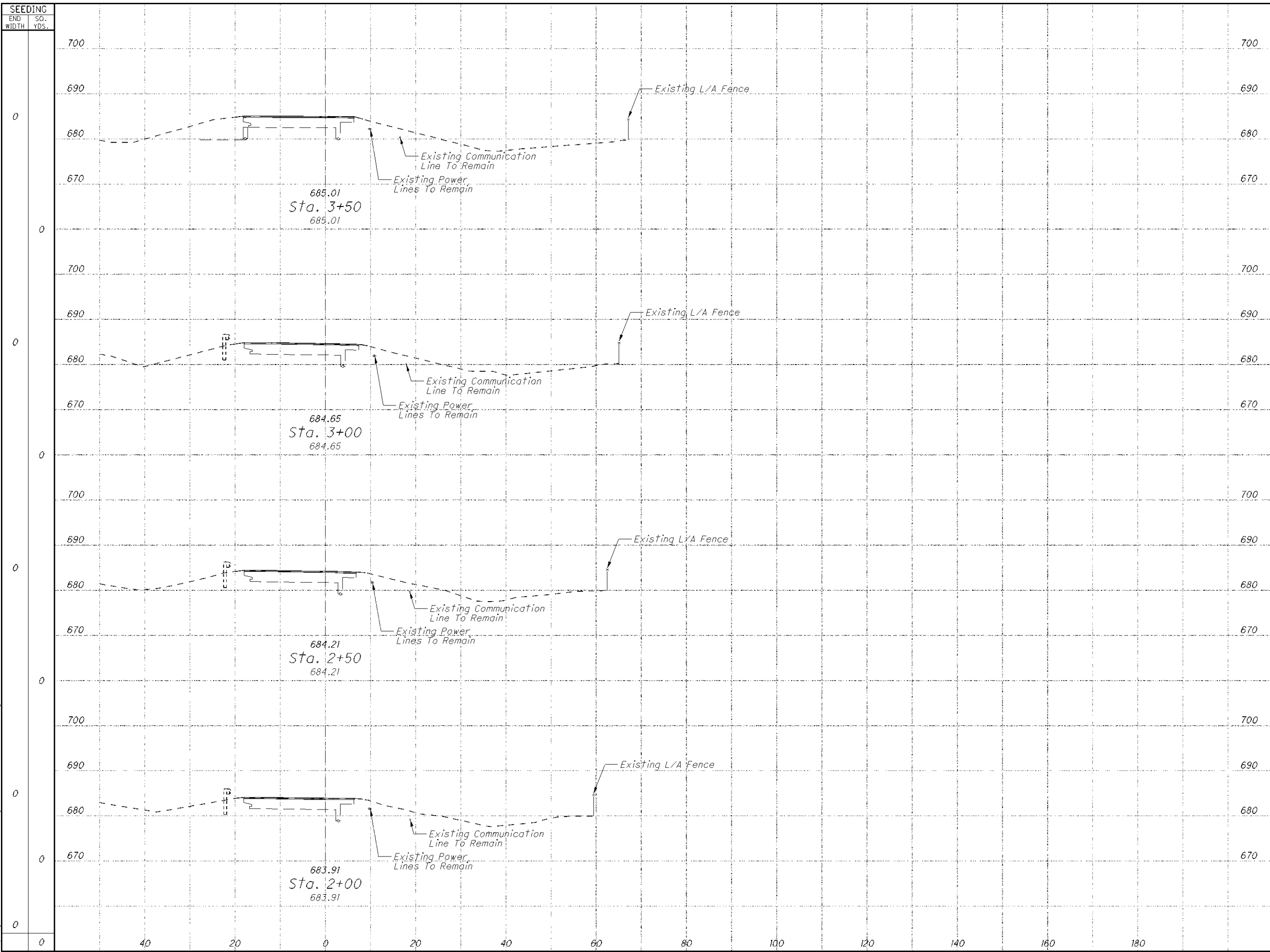


SEEDING	END WIDTH	SQ. YDS.	END AREA		VOLUME		CALCULATED	M/JM	CHECKED	DAR
			CUT	FILL	CUT	FILL				
	0		0	0						
	0		0	0						
	0		0	0						
	0		0	0						
	0		0	0						
	0		0	0						
	0		0	0						
	0		0	0						
	0		0	0						

CROSS SECTIONS
STA. 0+14.72 TO STA. 1+50

W00-75-8.60

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END	AREA		VOLUME	
	CUT	FILL	CUT	FILL
700	0	0	0	0
690	0	0	0	0
680	0	0	0	0
670	0	0	0	0
0	0	0	0	0

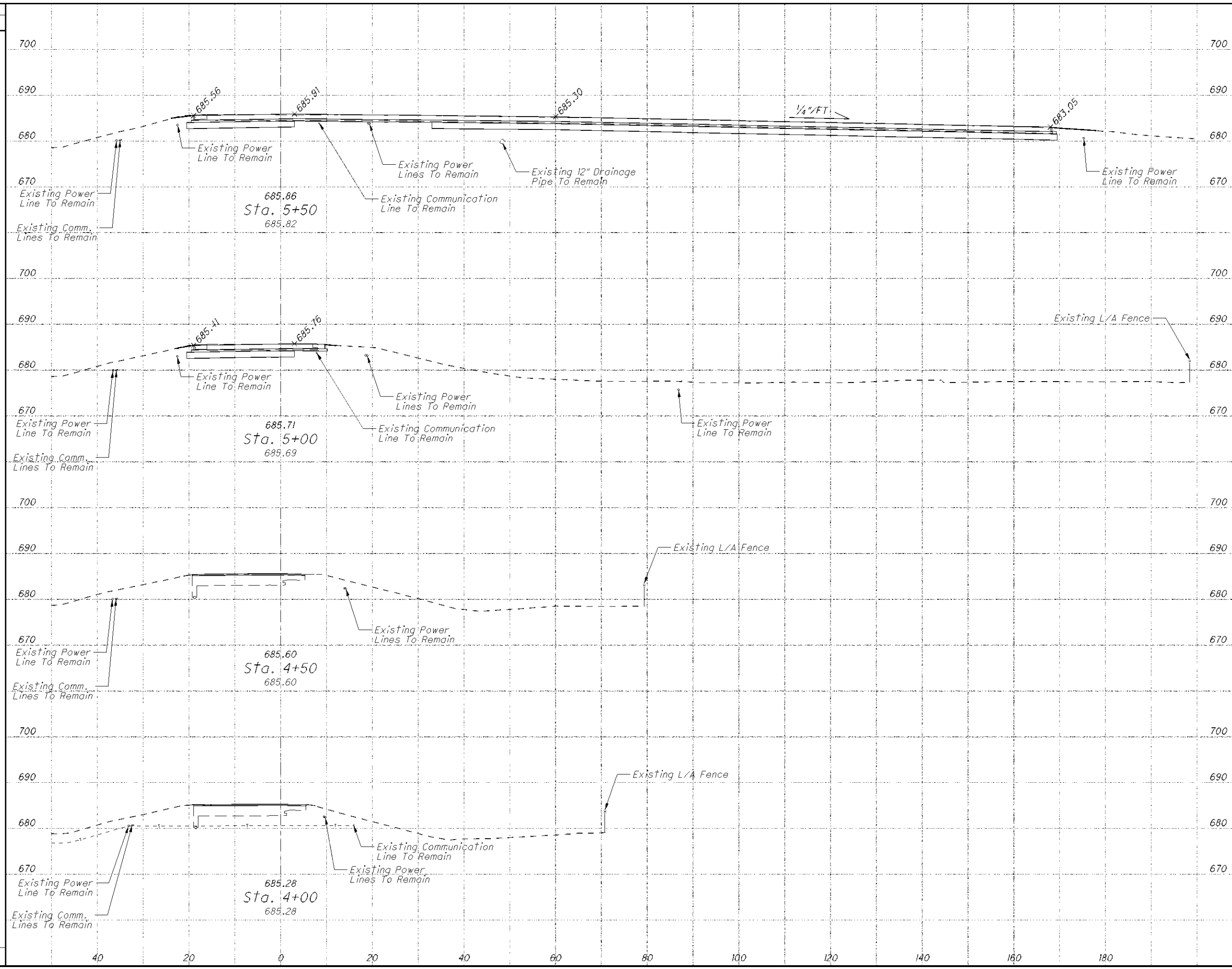
**CROSS SECTIONS
STA. 2+00 TO STA. 3+50**

W00-75-8.60

20
30

CALCULATED
MJM
CHECKED
DAR

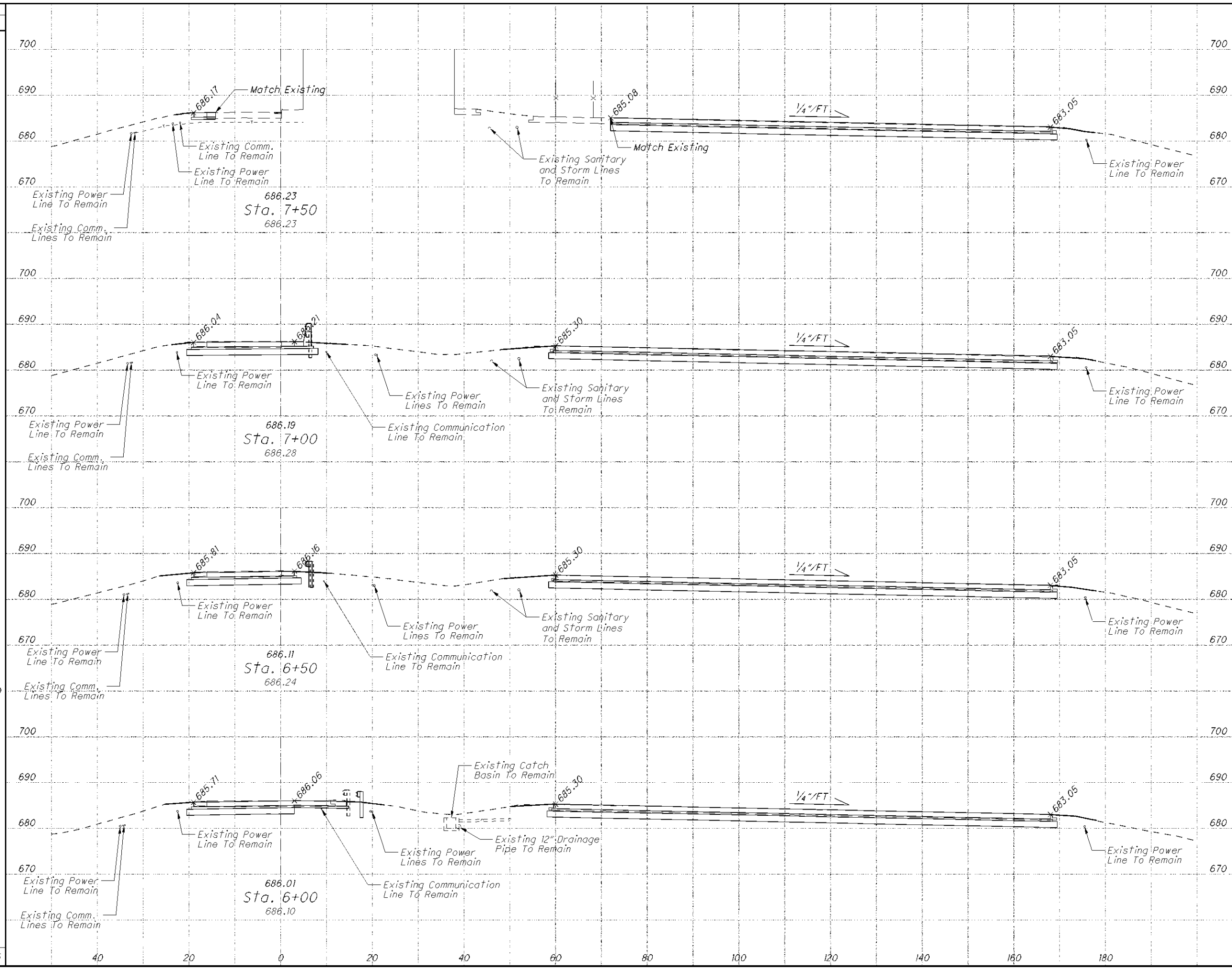
SEEDING
END WIDTH SO. YDS.
15
61
7
19
0
0
0
0
0
80



END CUT	AREA FILL	VOLUME	
		CUT	FILL
2	1	7	2
5	1	5	1
0	0	0	0
0	0	0	0
0	0	0	0
0	0	12	3

CROSS SECTIONS
STA. 4+00 TO STA. 5+50
W00-75-8.60
CALCULATED MJM
CHECKED DAR
21
30

SEEDING
 END WIDTH SO. YDS.
 15
 133
 33
 194
 37
 200
 35
 139
 15
 666



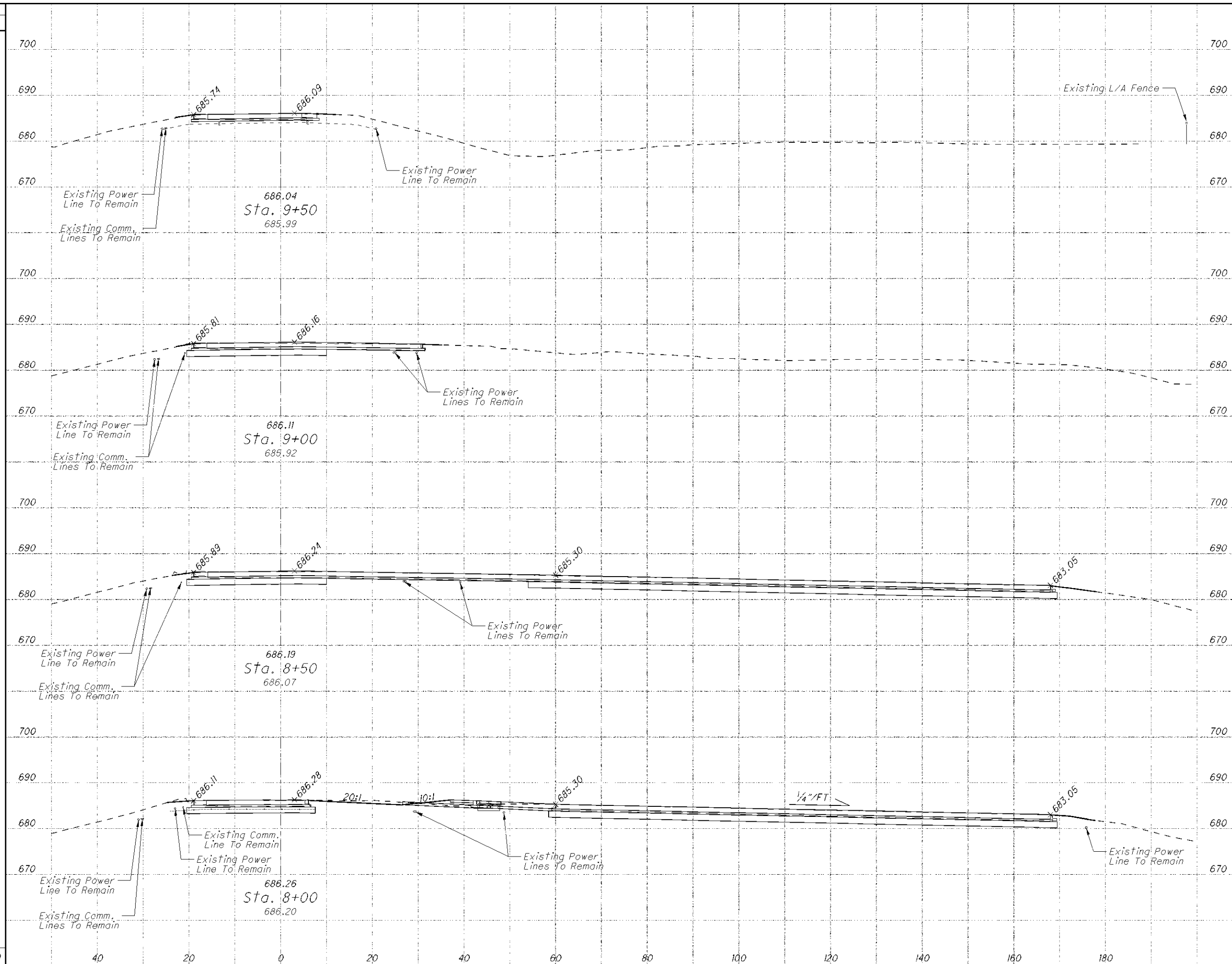
END CUT	AREA FILL	VOLUME		CALCULATED	CHECKED	DAR
		CUT	FILL			
1	1					
4	2					
3	1					
5	2					
2	1					
7	2					
5	1					
7	2					
2	1					
23	8					

**CROSS SECTIONS
 STA. 6+00 TO STA. 7+50**

W00-75-8.60

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SEEDING
END SO.
WIDTH YDS.
8
47
9
67
15
178
49
178
15
470



END STA.	AREA		VOLUME		CALCULATED	CHECKED	DAR
	CUT	FILL	CUT	FILL			
8+00	1	1					
8+50	2	1					
9+50	3	2					
8+00	36	5					
8+50	36	4					
8+00	1	1	78	14			

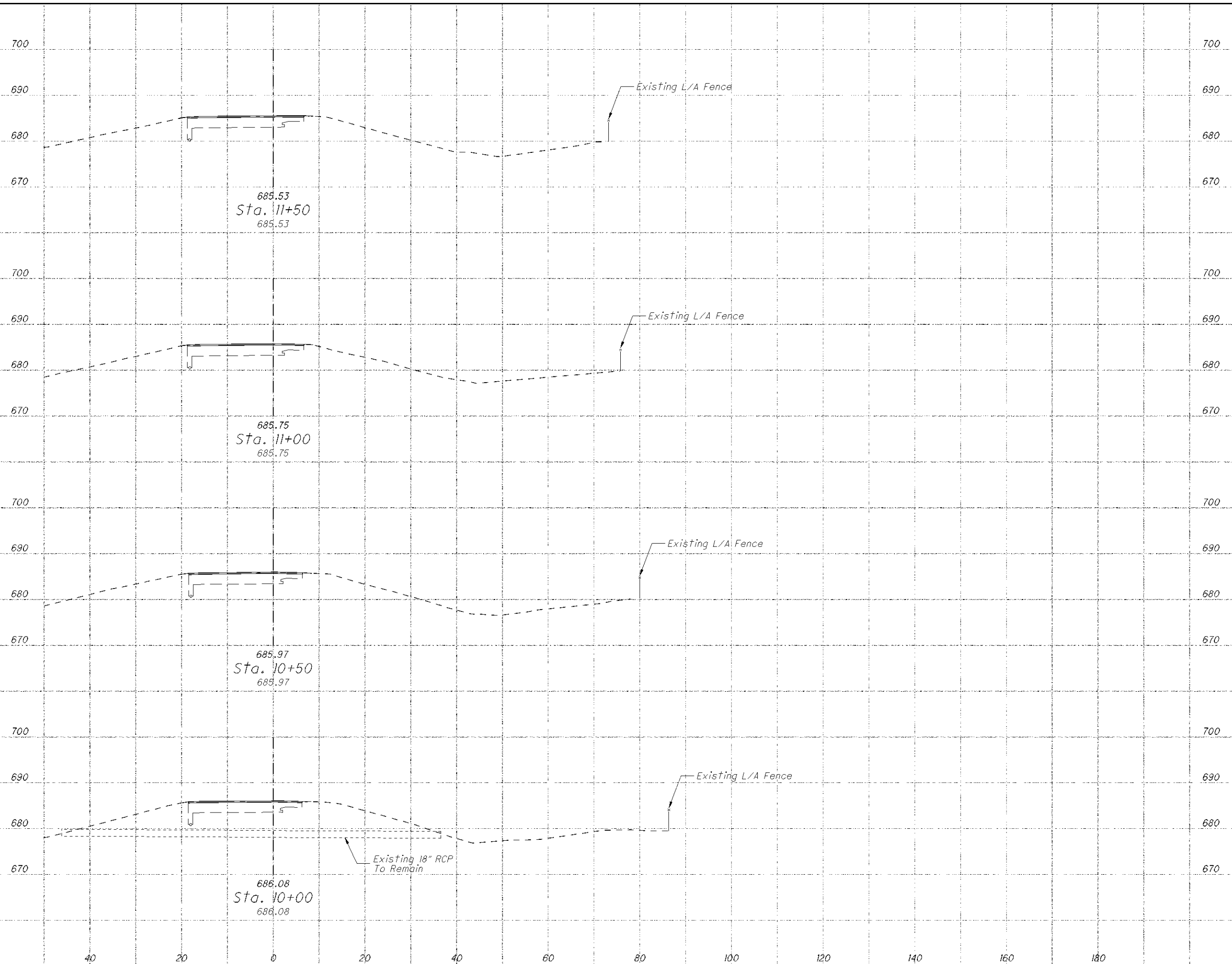
**CROSS SECTIONS
STA. 8+00 TO STA. 9+50**

W00-75-8.60

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SEEDING	
END WIDTH	SQ. YDS.
0	
0	
0	
0	
22	
8	
22	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
1	1	1	1

**CROSS SECTIONS
STA. 10+00 TO STA. 11+50**

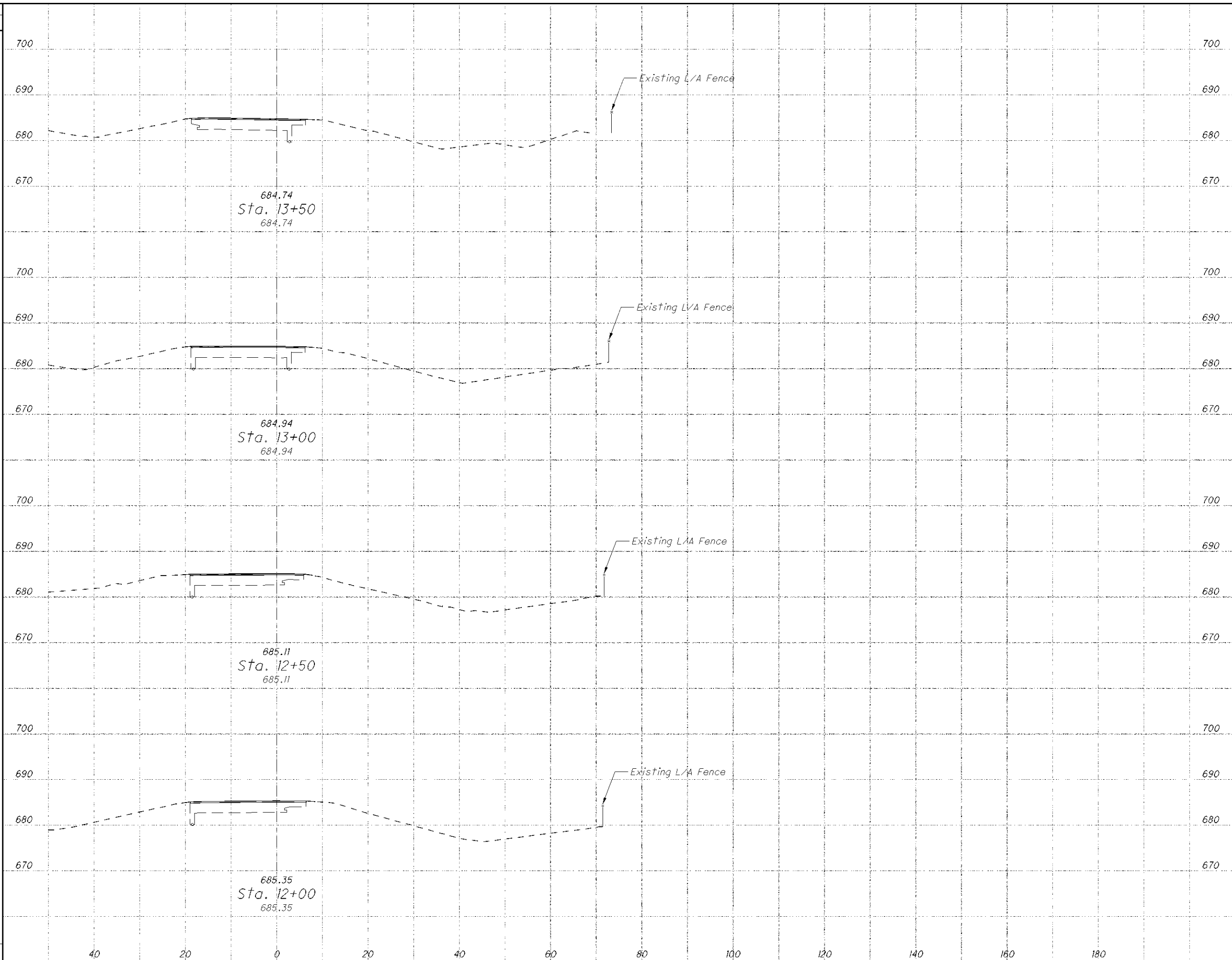
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CALCULATED	MJM
CHECKED	DAR

24
30

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SEEDING	
END WIDTH	SO. YDS.
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

CALCULATED
MJM
CHECKED
DAR

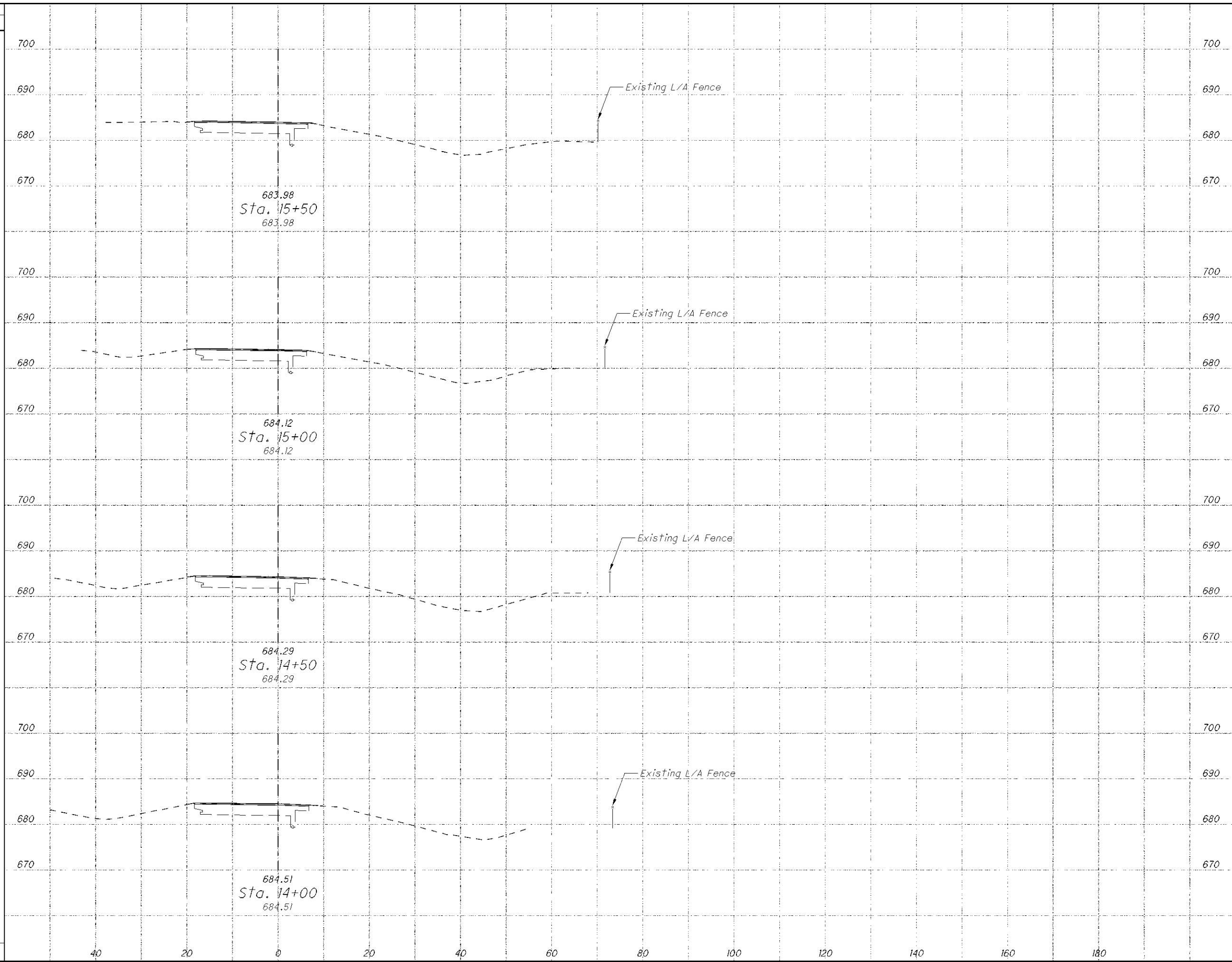
**CROSS SECTIONS
STA. 12+00 TO STA. 13+50**

W00-75-8.60

25
30

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SEEDING	
END WIDTH	SQ. YDS.
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	

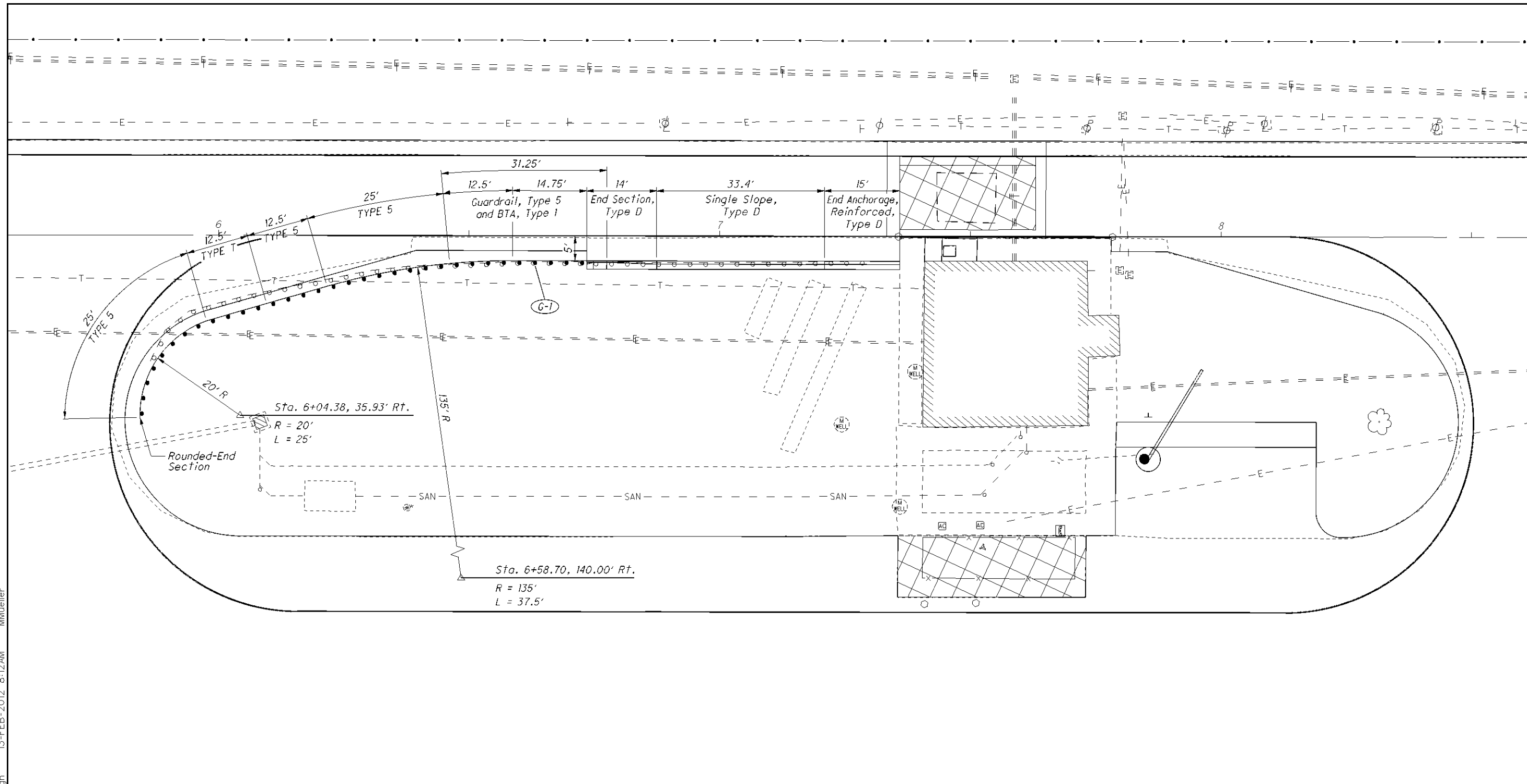


END AREA		VOLUME		CALCULATED	CHECKED	DAR
CUT	FILL	CUT	FILL			
0	0	0	0			
0	0	0	0			
0	0	0	0			
0	0	0	0			
0	0	0	0			
0	0	0	0			
0	0	0	0			
0	0	0	0			
0	0	0	0			
0	0	0	0			
0	0	0	0			
0	0	0	0			
0	0	0	0			

CROSS SECTIONS
STA. 14+00 TO STA. 15+50

W00-75-8.60

26
30



GUARDRAIL SUB-SUMMARY

REF. NO.	STATION		SIDE	202		606			622		626	
				GUARDRAIL REMOVED	ANCHOR ASSEMBLY REMOVED, TYPE T	GUARDRAIL, TYPE 5	ANCHOR ASSEMBLY, TYPE T	BRIDGE TERMINAL ASSEMBLY, TYPE 1	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	CONCRETE BARRIER END SECTION, TYPE D	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	BARRIER REFLECTOR
	FROM	TO		FT	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH
G-1	5+84.14	7+33.70	RT	137.5	1	93.75	1	1	33.4	1	1	4
TOTALS CARRIED TO GENERAL SUMMARY				137.5	1	93.75	1	1	33.4	1	1	4

NOTE: CONTRACTOR MUST CALL OUPS TO LOCATE UTILITIES IN VICINITY OF ANY GUARDRAIL RUN.
 NOTE: CAUTION SHALL BE USED WHEN PLACING PROPOSED GUARDRAIL, AS TO AVOID DAMAGING ANY EXISTING DRAINAGE (PIPES, CULVERTS, ETC.) WITHIN THE WORK AREA OF ANY RUN OF GUARDRAIL.
 THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE PROXIMITY OF ANY UNDERGROUND UTILITIES. ALL EXISTING UNDERGROUND UTILITIES SHALL REMAIN ACTIVE AND IN PLACE DURING CONSTRUCTION OF ANY GUARDRAIL RUN, UNLESS OTHERWISE NOTED IN THE PLAN.
 CAUTION MUST BE USED WHEN REMOVING AND REPLACING GUARDRAIL AS TO MAINTAIN THE EXISTING SHOULDERS AND EMBANKMENT.

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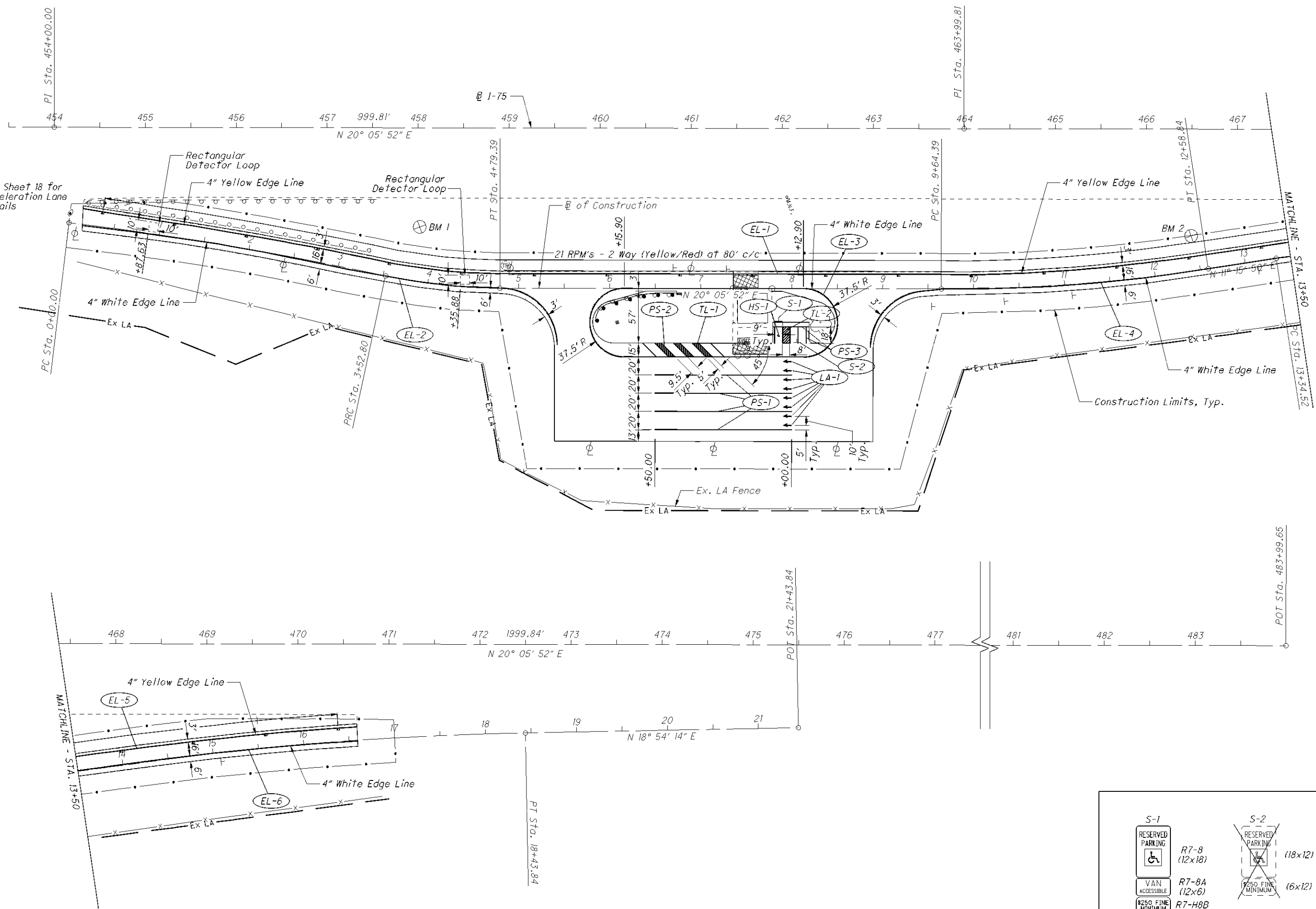
SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	CODE	621		EDGE LINE, TYPE 1 (WHITE)	EDGE LINE, TYPE 1 (YELLOW)	642		LANE ARROW, TYPE 1	HANDICAP SYMBOL MARKING, TYPE 1	GROUND MOUNTED SUPPORT, NO. 3 POST	SIGN, FLAT SHEET	630		REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
			FROM	TO			RPM (2 WAY, YELLOW/RED) EACH	RAISED PAVEMENT MARKER REMOVED EACH			FT	FT					SO FT	SO FT			EACH
26	EL-1	Weigh Station	0+14.72	13+50.00	LT		17	2		0.25											
26	EL-2	Weigh Station	0+14.72	5+42.40	RT				0.11												
26	EL-3	Weigh Station	5+76.40	8+52.40	RT				0.12												
26	EL-4	Weigh Station	8+86.40	13+50.00	RT				0.10												
26	EL-5	Weigh Station	13+50.00	16+59.31	LT		4	2		0.06											
26	EL-6	Weigh Station	13+50.00	16.59.31	RT				0.06												
26	TL-1	Weigh Station	6+49.91	7+13.00	RT						162										
26	TL-2	Weigh Station	7+90.03	7+98.03	RT						72										
26	PS-1	Weigh Station	6+50.00	8+00.00	RT							600									
26	PS-2	Weigh Station	6+36.47	7+26.43	RT							170									
26	PS-3	Weigh Station	7+81.03	8+16.03	RT								133								
26	LA-1	Weigh Station	7+90.50	8+00.00	RT								8								
26	HS-1	Weigh Station	7+92.29	7+95.71	RT									1							
26	S-1	Weigh Station	7+85.53, 36.00' RT				R7-8 R7-8a R7-H8b								13	1.5 0.5 0.5	1.5 0.5 0.5				
26	S-2	Weigh Station	8+05.86, 58.90' RT																2	1	
TOTALS CARRIED TO GENERAL SUMMARY							21	4	0.39	0.31	234	903	8	1	13	2.5	2.5	2	1		
TOTALS CARRIED TO GENERAL SUMMARY							21	4	0.70		234	903	8	1	13	2.5	2.5	2	1		

TRAFFIC CONTROL SUBSUMMARY

W00-75-8.60

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 SCALE IN FEET

TRAFFIC CONTROL PLAN

W00-75-8.60

	S-1 RESERVED PARKING (12x18)		S-2 RESERVED PARKING (18x12)
	R7-8A VAN ACCESSIBLE (12x6)		250 FINE MINIMUM (6x12)
	R7-H8B 250 FINE MINIMUM (12x6)		