

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
LOCAL AGENCY PROJECT**

**FAU ROUTE 9341 (ALTON STREET)
SECTION 08-00019-00-PV
PROJECT NO. M-5011 (364)
CITY OF LEBANON, ILLINOIS
ST. CLAIR COUNTY
JOB NO. C-98-315-12**

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	1
STA 10+29.34		STA. 33+60.18		
FEDERAL AID PROJECT		CONTRACT 97554		

INDEX OF SHEETS

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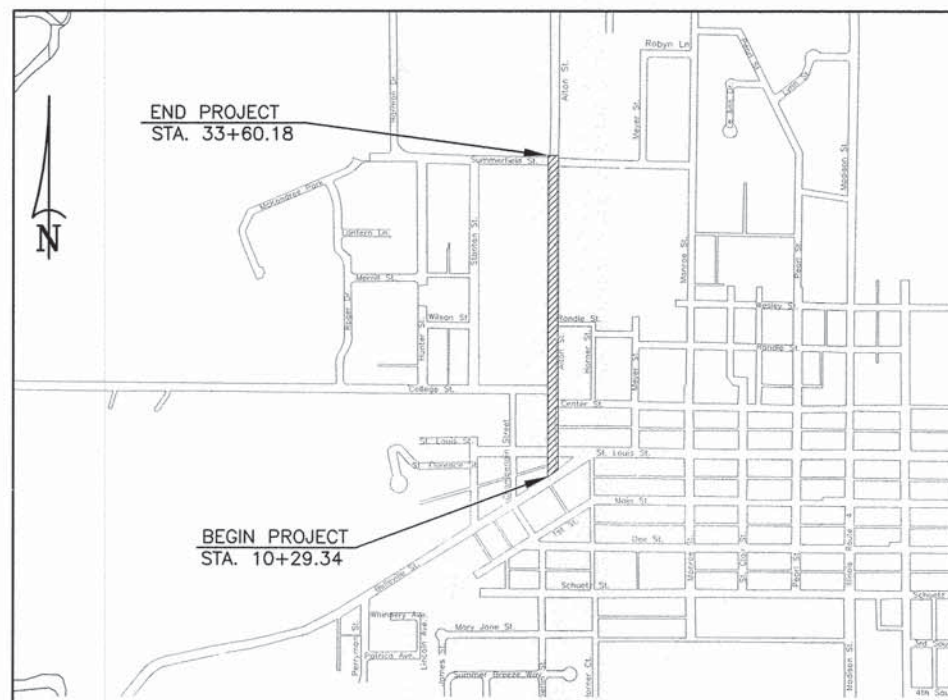
SCALES:

PLAN	
PROFILE HORZ.	
PROFILE VERT.	
CROSS SECTION HORZ.	
CROSS SECTION VERT.	

UTILITY TYPE	NAME OF UTILITY	PHONE NUMBER
ELECTRIC	AMEREN IP	1-800-755-5000
GAS	AMEREN IP	1-800-755-5000
WATER	CITY OF LEBANON	1-618-537-4976
TELEPHONE	AT&T	1-800-480-8088
CABLE	CHARTER COMMUNICATIONS	1-888-438-2427
SANITARY SEWER	CITY OF LEBANON	1-618-537-4976

ALTON STREET

ROADWAY DESIGNATION: URBAN COLLECTOR
DESIGN SPEED: 30 M.P.H.
DESIGN YEAR: (2023) ADT: 2450



LOCATION MAP
NOT TO SCALE

LENGTH OF IMPROVEMENT 2,330.84 FT.= 0.441 MI.

= IMPROVEMENT AREA

PREPARED BY:



LOCATION OF PROJECT INDICATED THUS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED: March 25, 2014 DATE

Rich Wilken
RICH WILKEN, MAYOR

PASSED: April 11, 2014 DATE

Y. Wilken
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID
BASED ON LIMITED REVIEW: April 11, 2014 DATE

Deborah A. Schmitt
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

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HOLD IT ! CALL BEFORE YOU DIG !
Phone J.U.L.I.E.



The owner would like to remind you that underground utility facilities can be damaged by shovel blades or other digging equipment. You can prevent damage or possible personal danger by phoning 800/892-0123 at least 48 hours before you dig. That's the toll-free number for "J.U.L.I.E.", which stands for Joint Utilities Location Information for Excavators.

If there are any pipes, cables, lines or mains in the excavation area, utility personnel will be out to mark the facilities so you can work around them.

Toll Free 800/892-0123



RHUTASEL and ASSOCIATES, INC.
CONSULTING ENGINEERS • LAND SURVEYORS

CORPORATE OFFICE
4 INDUSTRIAL DRIVE
FREEBURG, ILLINOIS 62243
(618) 539-3178

REGIONAL OFFICE
201 SOUTH LOCUST STREET
CENTRALIA, ILLINOIS 62801
(618) 532-1992



Anthony A. Schmitt
3/24/14
Date of Signing
11/30/15
Date of License Expiration

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	66
*20101200	TREE ROOT PRUNING	EACH	1
20200100	EARTH EXCAVATION	CU YD	1232
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	35
20800150	TRENCH BACKFILL	CU YD	337
25000100	SEEDING, CLASS 1	ACRE	0.6
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	54
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	54
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	54
25100115	MULCH, METHOD 2	ACRE	0.6
25100630	EROSION CONTROL BLANKET	SQ YD	57
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	60
28000400	PERIMETER EROSION BARRIER	FOOT	865
28000500	INLET AND PIPE PROTECTION	EACH	31
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	7856
30201500	LIME	TON	151
35101400	AGGREGATE BASE COURSE, TYPE B	TON	242
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	10
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	350
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	532
40600300	AGGREGATE (PRIME COAT)	TON	10.6
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1590
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	795
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	92
42001300	PROTECTIVE COAT	SQ YD	1954
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	360
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	7215
42400800	DETECTABLE WARNINGS	SQ FT	250
44000100	PAVEMENT REMOVAL	SQ YD	380
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	515
44000300	CURB REMOVAL	FOOT	217
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1353
44000600	SIDEWALK REMOVAL	SQ FT	7230
50105220	PIPE CULVERT REMOVAL	FOOT	783
50901760	PIPE HANDRAIL	FOOT	50
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 30"	EACH	1
54216190	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 12" RISER	EACH	1
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	555
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	325
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	383
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	175
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	23
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	134
550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	272
550B0120	STORM SEWERS, CLASS B, TYPE 1 24"	FOOT	86
56109210	WATER VALVES TO BE ADJUSTED	EACH	15
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1
60237000	INLETS, TYPE A, TYPE 15 FRAME AND LID	EACH	7
60240310	INLETS, TYPE B, TYPE 11 FRAME AND GRATE	EACH	2
60240320	INLETS, TYPE B, TYPE 15 FRAME AND LID	EACH	9
60255500	MANHOLES TO BE ADJUSTED	EACH	10
60500060	REMOVING INLETS	EACH	9

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
60600605	CONCRETE CURB, TYPE B	FOOT	115
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	4486
67100100	MOBILIZATION	L SUM	1
72000100	SIGN PANEL-TYPE 1	SQ FT	101
72900100	METAL POST-TYPE A	FOOT	146
*78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	FOOT	4283
*78000600	THERMOPLASTIC PAVEMENT MARKING-LINE 12"	FOOT	732
*78000650	THERMOPLASTIC PAVEMENT MARKING-LINE 24"	FOOT	352
X0323964	ROOF DRAIN COLLECTION NETWORK	FOOT	129
X2010400	STUMP REMOVAL ONLY	UNIT	178
X6024242	INLETS, SPECIAL NO. 1	EACH	9
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
XZ177600	REMOVE EXISTING BUMPER BLOCKS	EACH	29
Z0007126	HANDRAIL REMOVAL	FOOT	70
Z0012450	CONCRETE STEPS	CU YD	1.5
Z0012455	CONCRETE STEP REMOVAL	EACH	4
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	80

* SPECIALTY ITEM

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012.
- THE PROPOSED EMBANKMENT SHALL BE BENCHMARKED TO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE 48" x 48".
- ALL AREAS DISTURBED FOR ANY REASON WITHIN THE CONSTRUCTION LIMITS SHALL BE SEEDED WITH CLASS 1 SEEDING. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04. AREAS DISTURBED BEYOND THE CONSTRUCTION LIMITS SHALL BE SEEDED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL COORDINATE WITH RESIDENTS PRIOR TO REMOVAL AND REPLACEMENT OF DRIVEWAYS.
- PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS AND FACE OF CURBS.
- THE EXISTING PROPERTY LINES SHOWN HEREON HAS BEEN PROTRACTED FROM EXISTING RECORDS AND IS TO BE USED FOR REFERENCE PURPOSES ONLY. FURTHERMORE, NO COMPLETE SURVEY OF SAID PROPERTY LINES IS IMPLIED BY THESE DRAWINGS.
- AN ESTIMATED QUANTITY OF 350 TONS OF AGGREGATE FOR TEMPORARY ACCESS HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF MAINTAINING ACCESS TO PRIVATE PROPERTY AND LOCAL TRAFFIC THROUGHOUT CONSTRUCTION OPERATIONS.
- FACTORS USED FOR APPLICATION RATES AND QUANTITY CALCULATIONS ARE AS FOLLOWS:
PAVING
 ALL HOT-MIX ASPHALT 0.056 TONS/SQ. YD./INCH
 BITUMINOUS MATERIALS (PRIME COAT) 0.075 GAL./SQ. YD. (HMA BASE)
 BITUMINOUS MATERIALS (PRIME COAT) 0.375 GAL./SQ. YD. (AGGREGATE BASE)
 AGGREGATE (PRIME COAT) 0.0015 TONS/SQ. YD.
 AGGREGATE BASE COURSE 0.0555 TONS/SQ. YD./INCH
SEEDING
 NITROGEN FERTILIZER NUTRIENT 90 LBS./ACRE
 PHOSPHORUS FERTILIZER NUTRIENT 90 LBS./ACRE
 POTASSIUM FERTILIZER NUTRIENT 90 LBS./ACRE
 MULCH 2 TONS/ACRE
LIME MODIFIED SOILS
 SOIL 1.4445 TONS/CU. YD.
 LIME (4% OF SOIL) 0.01926 TONS/SQ. YD./12 IN.
 WATER 15 GAL./SQ. YD./12 IN.
- CHANGES IN THE VERTICAL OR HORIZONTAL DIMENSIONS OF GUTTERS, CURBS, OR CURB AND GUTTERS, WHEN TRANSITIONS FROM ONE TYPE TO ANOTHER AS SHOWN IN THE PLANS, WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR THE TYPE SPECIFIED IN THE PLAN SCHEDULE.
- THE REMOVAL OF ANY CURB AND GUTTER SHALL ALSO INCLUDE THE DISCONNECTION OF THE EXISTING CURB AND GUTTER AND GUTTER FROM ANY REINFORCEMENT OR COLLATERAL MATERIAL THAT MAY BE PRESENTLY ATTACHED. THERE SHALL NOT BE ANY ADDITIONAL REMUNERATION BUT THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE REMOVAL ITEM.
- IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORER. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT WWW.AGR.STATE.IL.US/EAB.
- THE TOP 6 INCHES OF ALL NECESSARY BACKFILL SHALL BE FREE FROM ALL ROCKS OR FOREIGN DEBRIS.
- ALL PIPE DRAINS/ROOF DRAINS, BOTH EXPOSED AND UNEXPOSED, THAT DISCHARGE OVER TOP THE EXISTING CURB SHALL BE DISCHARGED INTO THE NEAREST INLET OR STORM SEWER PIPE. THE PIPE SHALL BE INSTALLED AT A MINIMUM GRADIENT OF 0.50% IN AREAS WHERE NO STORM SEWER IS PRESENT PIPE DRAINS/ROOF DRAINS SHALL BE PLACED UNDER PROPOSED SIDEWALK AND DAYLIGHTED. ALL EQUIPMENT, MATERIALS, AND LABOR REQUIRED TO COMPLETE THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ROOF DRAIN COLLECTION NETWORK AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- LANDSCAPING ITEMS WITHIN THE LIMITS OF CONSTRUCTION WHICH MUST BE REMOVED SHALL BE SALVAGED FOR RE-USE OR DISPOSAL AS DIRECTED BY THE ENGINEER. REMOVAL AND/OR SALVAGE OF LANDSCAPING ITEMS SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- ALL EXISTING SIGNS WHICH INTERFERE WITH THE IMPROVEMENTS NOT NOTED FOR REMOVAL SHALL BE REMOVED AND REINSTALLED AT THEIR PERMANENT LOCATIONS AS DIRECTED BY THE ENGINEER IN THE FIELD. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

COMMITMENTS

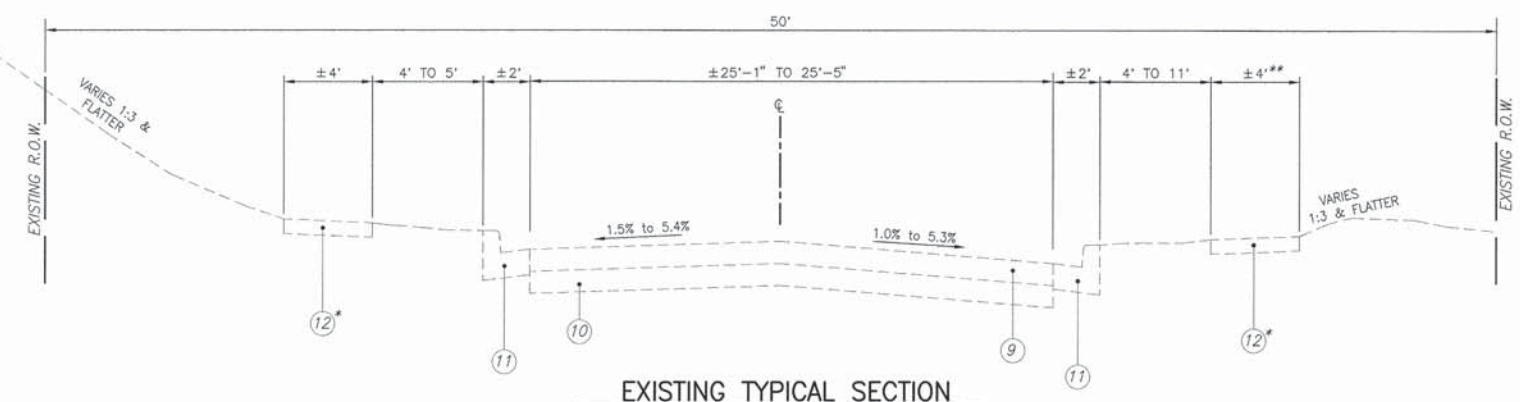
NONE AT THIS TIME.

APPLICABLE IDOT HIGHWAY STANDARDS:

424001-07	602701-02	701501-06	729001-01
602301-04	604001-03	701801-05	780001-04
602306-03	604051-03	701901-03	BLR 22-7
602401-03	604066-02	720006-04	
602601-03	606001-05	720011-01	

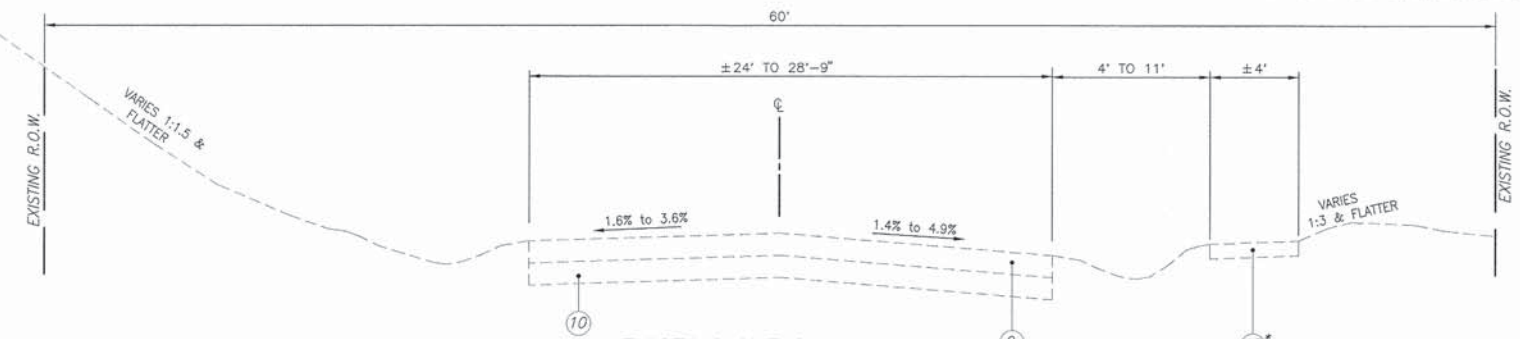
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	2
STA 10+29.34 TO STA. 33+60.18				
FEDERAL AID PROJECT			CONTRACT 97554	

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	3
STA 10+29.34 TO STA 33+60.18			FEDERAL AID PROJECT CONTRACT 97554	



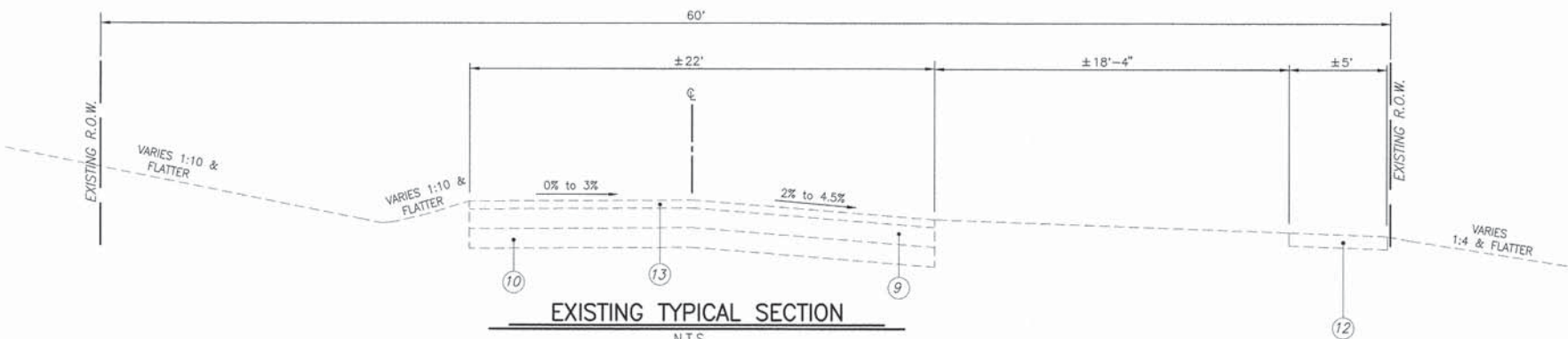
EXISTING TYPICAL SECTION
 N.T.S.
 STA. 10+29 TO 16+67 AND 25+95 TO 28+25
 ALTON STREET

* - EXISTING SIDEWALK: STA. 10+59 TO 16+20 LT.
 STA. 12+15 TO 33+04 RT.
 ** - 6' WIDTH: STA. 25+98 TO 28+12 RT.

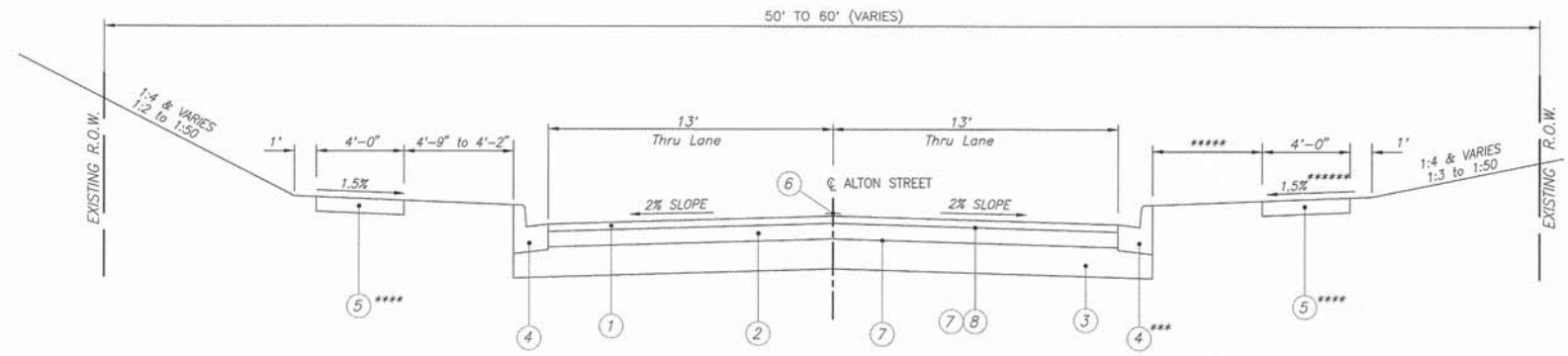


EXISTING TYPICAL SECTION
 N.T.S.
 STA. 16+67 TO 25+95 AND 28+25 TO 32+91
 ALTON STREET

* - EXISTING SIDEWALK: STA. 12+15 TO 33+04 RT.



EXISTING TYPICAL SECTION
 N.T.S.
 STA. 32+91 TO 33+57
 ALTON STREET



PROPOSED TYPICAL 2-LANE SECTION
 N.T.S.
 STA. 10+29.34 TO 33+60.18
 ALTON STREET

*** - CURB & GUTTER BEGINS STA. 10+58.61 RT.
 CURB & GUTTER OMISSION STA. 25+82 TO 26+57 RT.
 AND STA. 27+52 TO 28+25 RT.

**** - NEW P.C.C. SIDEWALK:
 STA. 11+63.91 TO 12+34.32 LT.
 STA. 13+46.81 TO 15+26.78 LT.
 STA. 15+97.29 TO 16+70.55 LT.
 STA. 12+30.22 TO 17+83.61 RT.
 STA. 18+35.66 TO 23+01.13 RT.
 STA. 24+79.69 TO 24+91.70 RT.
 STA. 28+11.81 TO 33+45.24 RT.

***** - WIDTH VARIES:
 STA. 12+30.22 TO 15+18.49 - VARIES 4'-1" TO 6'-4"
 STA. 15+52.15 TO 17+83.61 - VARIES 6'-4" TO 7'-4"
 STA. 18+35.66 TO 20+60.43 - VARIES 7'-4" TO 7'-8"
 STA. 20+60.43 TO 21+02.15 - VARIES 7'-8" TO 2'
 STA. 21+02.15 TO 22+79.94 - MAINTAIN 2'
 STA. 22+79.94 TO 23+01.13 - VARIES 2' TO 9'-4"

***** TRANSITION SLOPE FROM 1.5% TOWARD THE ROAD TO MATCH DRIVEWAY SLOPE
 STA. 30+50 TO 30+93 (ENTRANCE 30+93 TO 31+17)
 SLOPE SIDEWALK AWAY FROM ROAD AT 1.5%
 STA. 31+17.35 TO 32+89.64

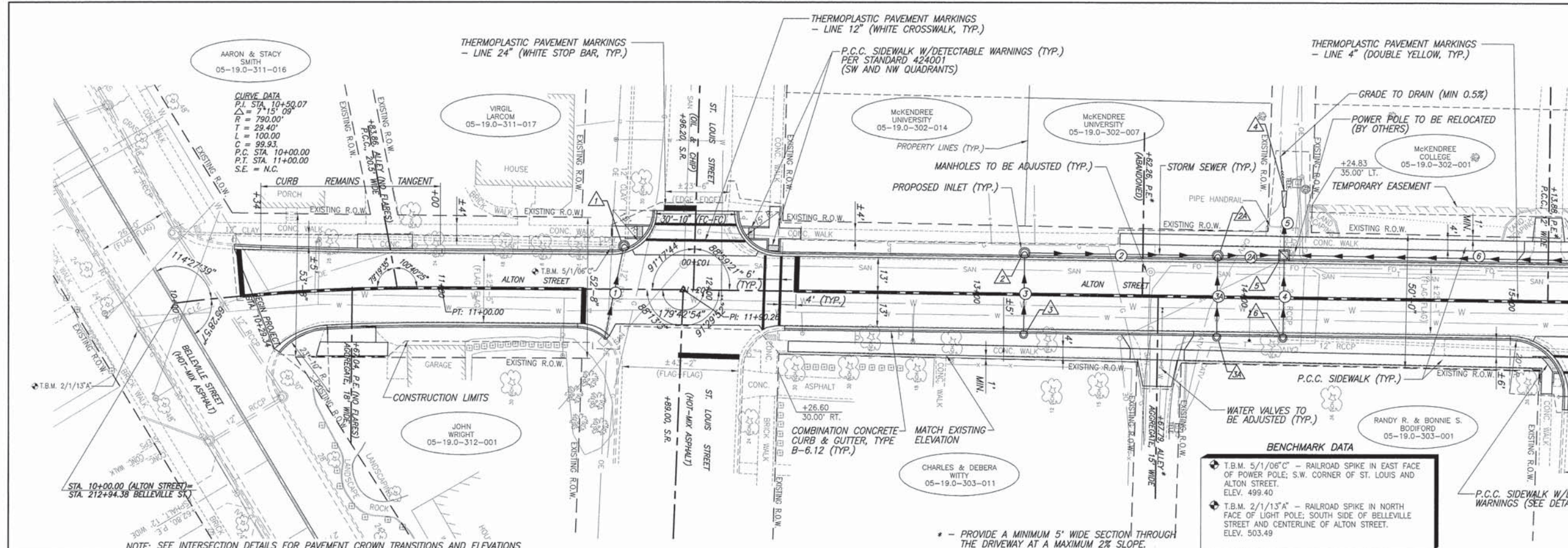
LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 4"
- ③ LIME MODIFIED SUBGRADE, 12"
- ④ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑤ P.C.C. SIDEWALK, 4"
- ⑥ THERMOPLASTIC PAVEMENT MARKING
- ⑦ BITUMINOUS MATERIALS (PRIME COAT)
- ⑧ AGGREGATE (PRIME COAT)
- ⑨ EXISTING OIL AND CHIP PAVEMENT, VARIES 1" TO 2"
- ⑩ EXISTING AGGREGATE BASE, VARIES 4" TO 10"
- ⑪ EXISTING CURB AND GUTTER
- ⑫ EXISTING SIDEWALK
- ⑬ EXISTING HMA RESURFACING ±2 1/2"

PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC:	YEAR 2023
PV=	2,328
SU=	98
MU=	25
ROAD/STREET CLASSIFICATION:	URBAN COLLECTOR CLASS ROAD: II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P=	50
S=	50
M=	50
TRAFFIC FACTOR:	Actual TF= 0.21 Minimum TF= N/A
PG GRADE:	Binder= 64-22 Surface= 64-22
THICKNESS	- 6"
SUBGRADE SUPPORT RATING:	POOR

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9341	08-00019-00-PV	ST. CLAIR	30	6
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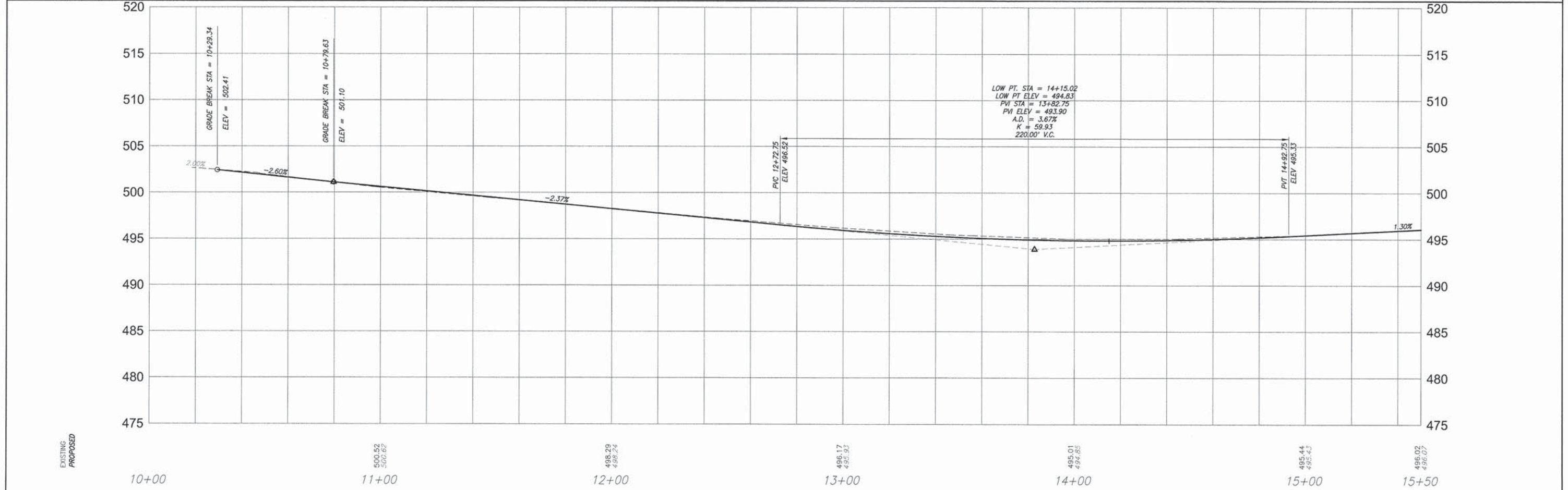


LEGEND

- TREE
- SHRUB
- SAPLING
- MAILBOX
- STORM INLET
- CULVERT
- TELEPHONE PEDESTAL
- CABLE TV PEDESTAL
- ELECTRIC PEDESTAL
- GAS VALVE
- SIGN
- STREET SIGN
- ROADWAY/TRAFFIC SIGN
- POWER POLE
- GUY WIRE
- WATER METER
- WATER VALVE
- WARNING POST
- FENCE
- SWALE FLOWLINE
- EDGE OF PAVEMENT
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- UNDERGROUND FIBER OPTIC
- UNDERGROUND TELEPHONE
- UNDERGROUND GAS MAIN
- WATER MAIN
- SANITARY SEWER

MATCHLINE STA. 15+50

SCALE:
 PLAN: 1" = 20'
 PROFILE: 1" = 20" HORIZ.
 1" = 5" VERT.



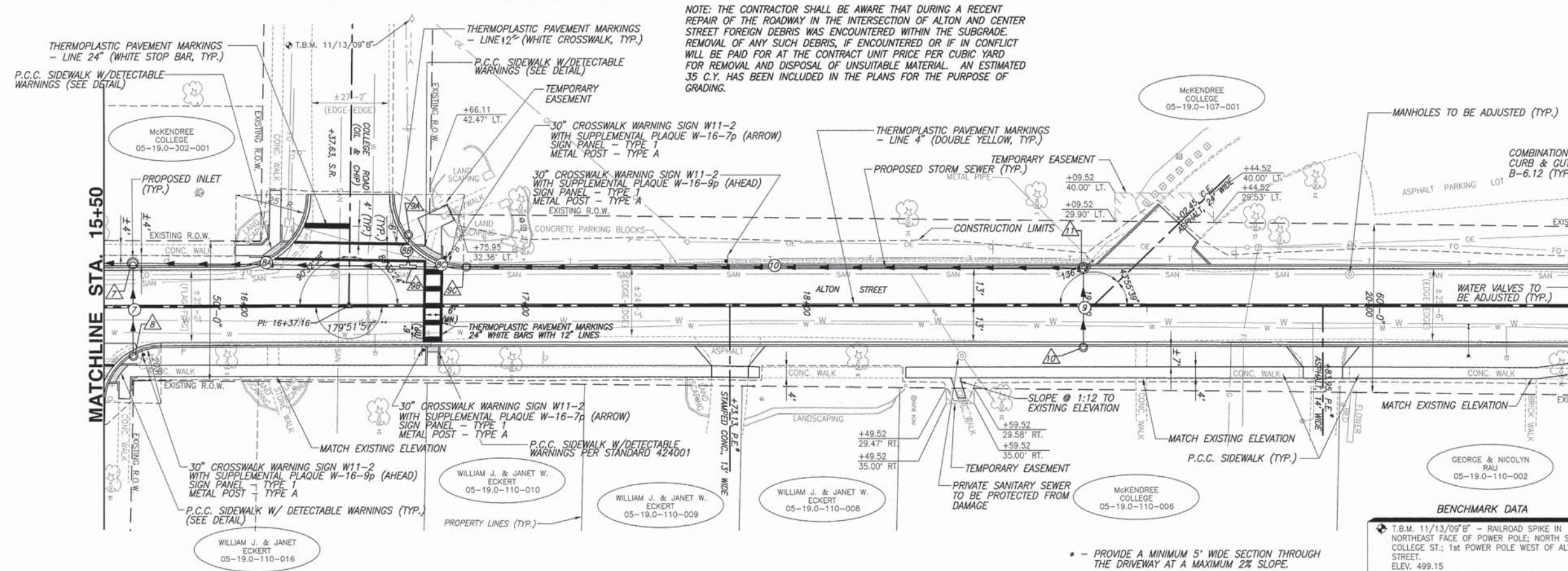
ROADWAY PLAN AND PROFILE ALTON STREET IMPROVEMENTS
 SECTION 08-00019-00-PV LEBANON, ILLINOIS

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LEGEND

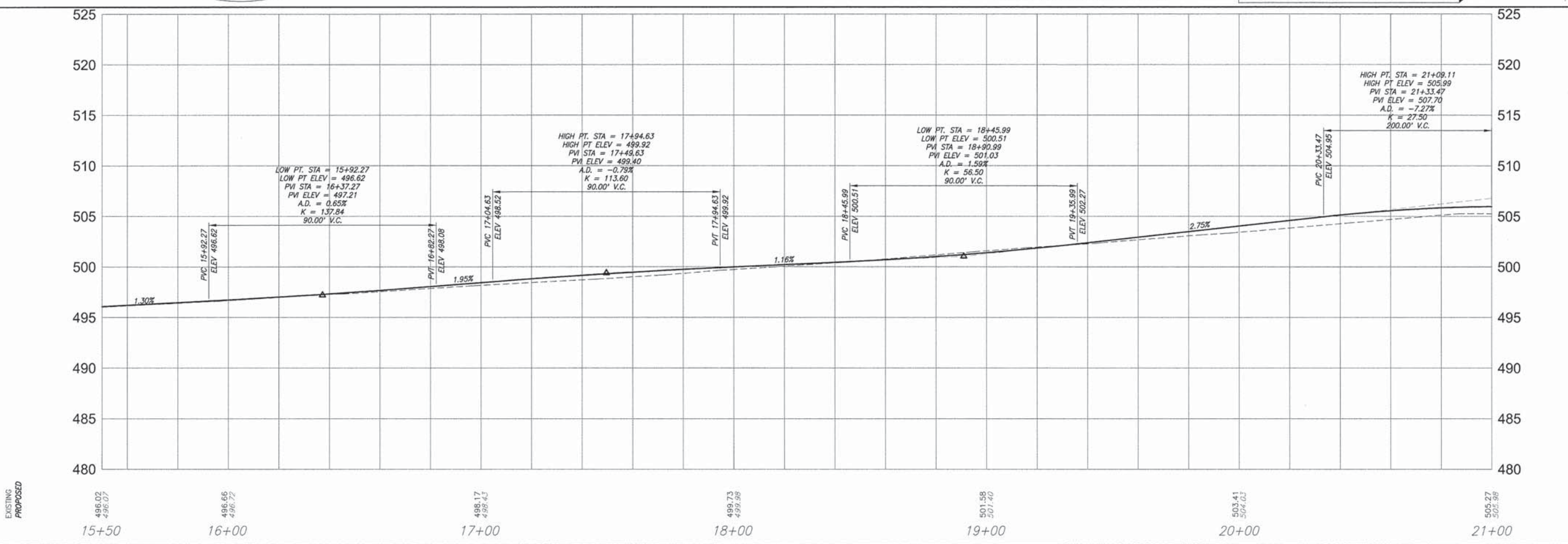
- TREE
- ⊗ SHRUB
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- ⊙ UNDERGROUND TELEPHONE
- ⊙ UNDERGROUND GAS MAIN
- ⊙ WATER MAIN
- ⊙ SANITARY SEWER

NOTE: THE CONTRACTOR SHALL BE AWARE THAT DURING A RECENT REPAIR OF THE ROADWAY IN THE INTERSECTION OF ALTON AND CENTER STREET FOREIGN DEBRIS WAS ENCOUNTERED WITHIN THE SUBGRADE. REMOVAL OF ANY SUCH DEBRIS, IF ENCOUNTERED OR IF IN CONFLICT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. AN ESTIMATED 35 C.Y. HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF GRADING.



BENCHMARK DATA
 T.B.M. 11/13/09" B" - RAILROAD SPIKE IN NORTHEAST FACE OF POWER POLE; NORTH SIDE OF COLLEGE ST.; 1st POWER POLE WEST OF ALTON STREET. ELEV. 499.15

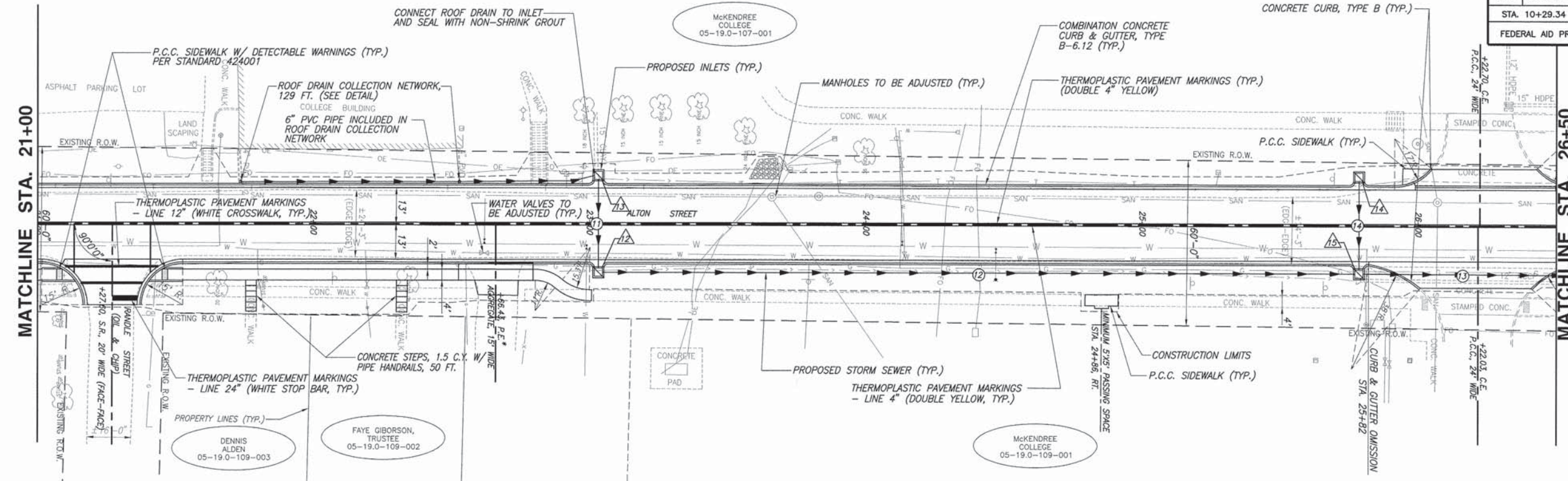
* - PROVIDE A MINIMUM 5' WIDE SECTION THROUGH THE DRIVEWAY AT A MAXIMUM 2% SLOPE.



ROADWAY PLAN AND PROFILE ALTON STREET IMPROVEMENTS SECTION 08-00019-00-PV LEBANON, ILLINOIS

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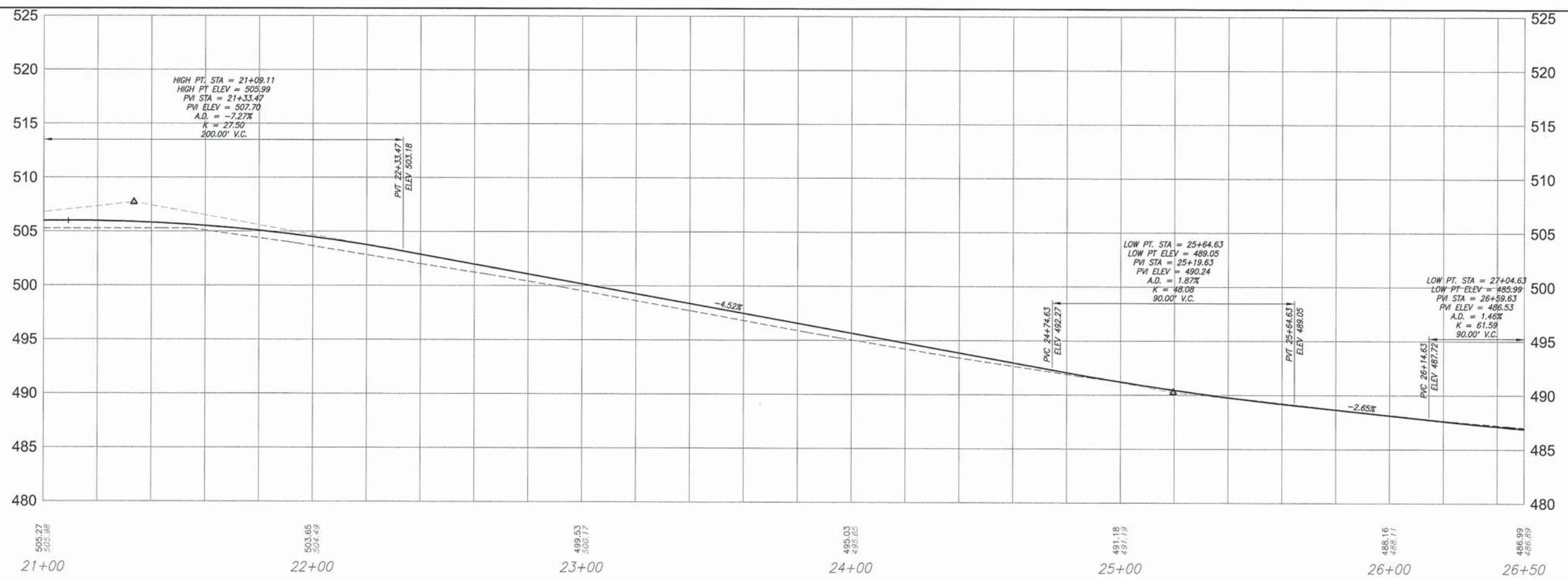
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LEGEND

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- UNDERGROUND GAS MAIN
- W WATER MAIN
- SAN SANITARY SEWER

SCALE:
 PLAN: 1" = 20'
 PROFILE: 1" = 20' HORIZ.
 1" = 5' VERT.



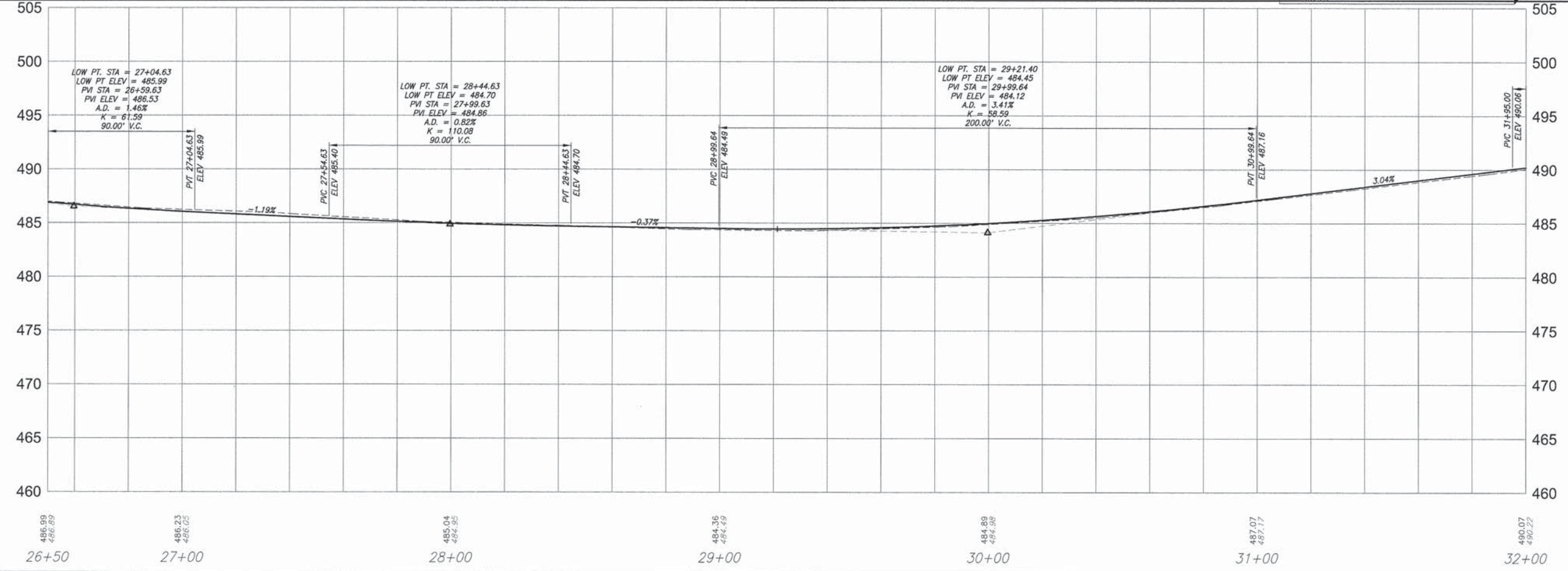
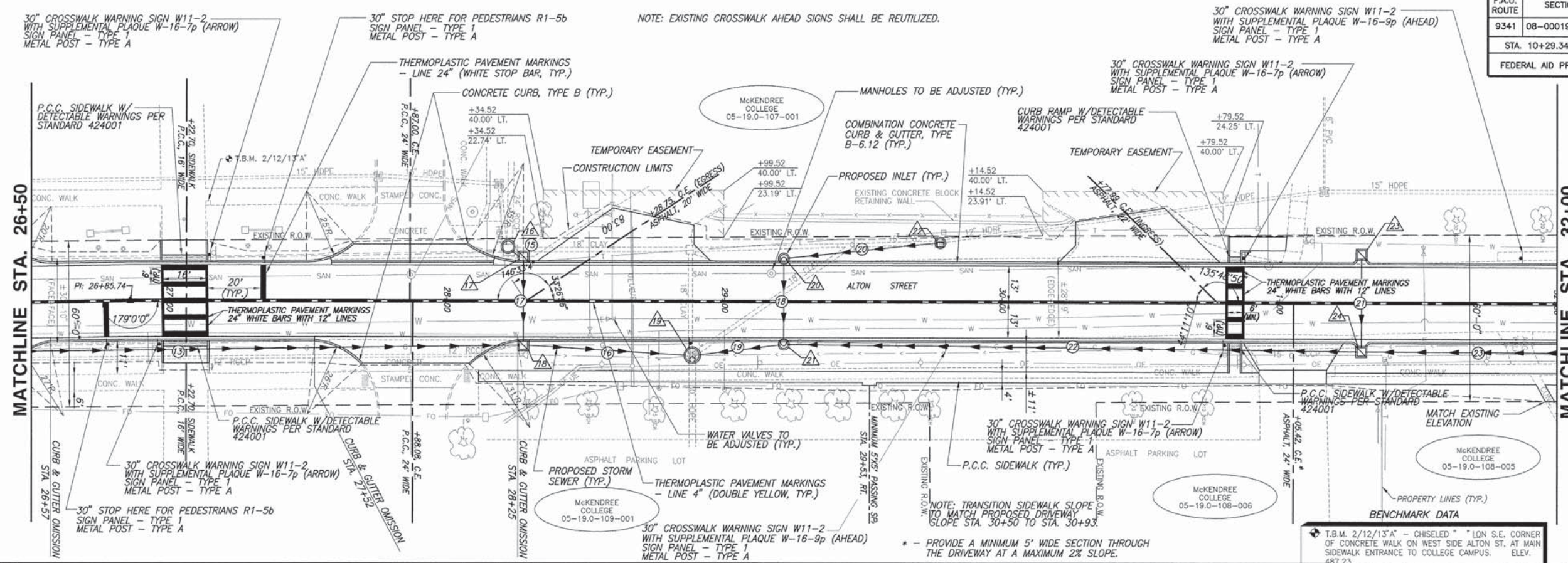
ROADWAY PLAN AND PROFILE ALTON STREET IMPROVEMENTS
 SECTION 08-00019-00-PV LEBANON, ILLINOIS

8/1/2019 - Update - Alton Street Improvements\08-00019-00-PV\08-00019-00-PV.dwg, 1/26/2018 2:30:24 PM, P:\alton 13.dwg

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	9
STA. 10+29.34 TO		STA. 33+60.18		
FEDERAL AID PROJECT		CONTRACT 97554		

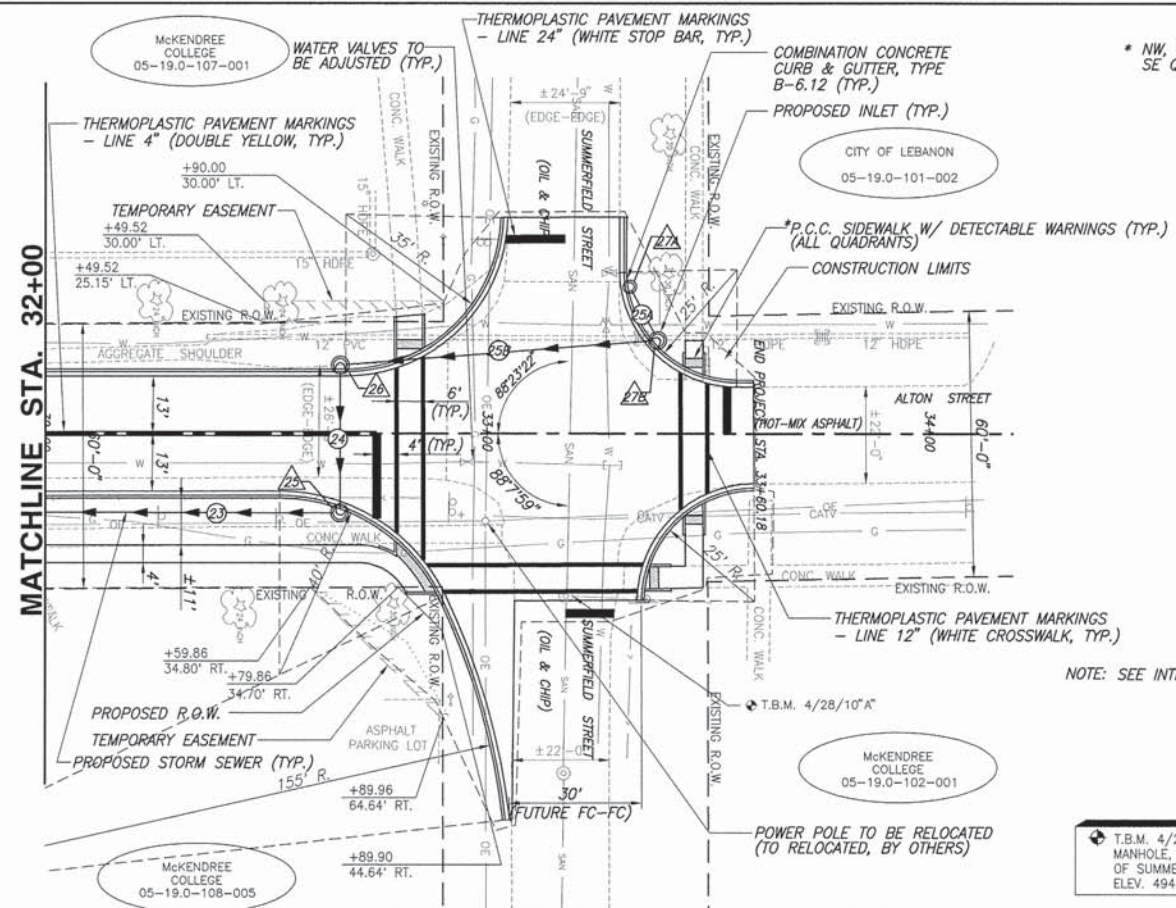
LEGEND

- TREE
- SHRUB
- SAPLING
- MAILBOX
- STORM INLET
- CULVERT
- TELEPHONE PEDESTAL
- CABLE TV PEDESTAL
- ELECTRIC PEDESTAL
- GAS VALVE
- SIGN
- STREET SIGN
- ROADWAY/TRAFFIC SIGN
- POWER POLE
- GUY WIRE
- WATER METER
- WATER VALVE
- WARNING POST
- FENCE
- SWALE FLOWLINE
- EDGE OF PAVEMENT
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- UNDERGROUND FIBER OPTIC
- UNDERGROUND TELEPHONE
- UNDERGROUND GAS MAIN
- WATER MAIN
- SANITARY SEWER



ROADWAY PLAN AND PROFILE ALTON STREET IMPROVEMENTS
SECTION 08-00019-00-PV LEBANON, ILLINOIS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	10
STA. 10+29.34 TO			STA. 33+60.18	
FEDERAL AID PROJECT			CONTRACT 97554	



* NW, SW AND NE QUADRANT PER STANDARD 424001
SE QUADRANT SEE SPECIAL DETAIL

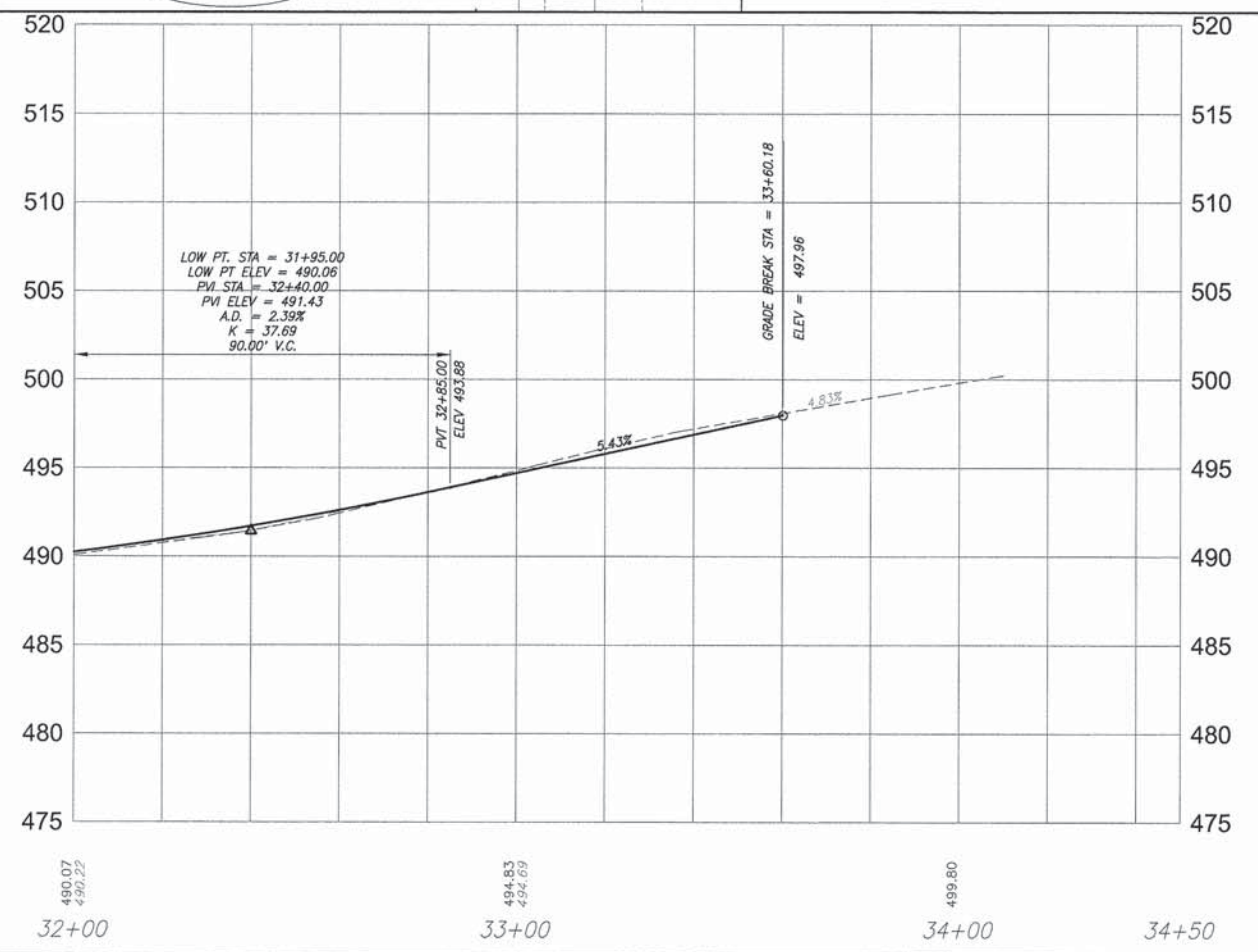
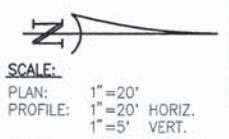
LEGEND

- TREE
- SHRUB
- SAPLING
- MAILBOX
- STORM INLET
- CULVERT
- TELEPHONE PEDESTAL
- CABLE TV PEDESTAL
- ELECTRIC PEDESTAL
- GAS VALVE
- SIGN
- STREET SIGN
- ROADWAY/TRAFFIC SIGN
- POWER POLE
- GUY WIRE
- WATER METER
- WATER VALVE
- WARNING POST
- FENCE
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- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- UNDERGROUND FIBER OPTIC
- UNDERGROUND TELEPHONE
- UNDERGROUND GAS MAIN
- WATER MAIN
- SANITARY SEWER

NOTE: SEE INTERSECTION DETAILS FOR PAVEMENT CROWN TRANSITIONS AND ELEVATIONS

BENCHMARK DATA

• T.B.M. 4/28/10" A - CHISELED "X" ON NORTH RIM
MANHOLE, EAST SIDE OF ALTON ST. AND CENTERLINE
OF SUMMERFIELD ST.
ELEV. 494.47



P:\V2009 - LEBANON - Main - Stage 1 - Imp\Drawings\08-00019-00-PV\08-00019-00-PV_Plan.dwg, 3/26/2014 2:24:05 PM, Plotted by: WJM

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	11
STA. 10+29.34 TO		STA. 33+60.18		
FEDERAL AID PROJECT		CONTRACT 97554		

MAINTENANCE OF TRAFFIC & GENERAL NOTES

GENERAL
 THE CONTRACTOR SHALL ENDEAVOR TO KEEP ALL ROADS WITHIN THE PROJECT LIMITS OPEN TO TRAFFIC AS MUCH AS POSSIBLE. AT SUCH TIMES WHEN THE ROAD IS CLOSED TO THRU TRAFFIC, THE CONTRACTOR SHALL MAKE PROVISIONS TO MAINTAIN ACCESS TO THE PRIVATE PROPERTIES, COMMERCIAL, BUSINESSES AND PUBLIC STREETS ALONG ALTON STREET AT ALL TIMES. DURING CONSTRUCTION OF DRIVEWAY ENTRANCES, CURB & GUTTER, AND SIDEWALK ACCESS SHALL NOT BE DENIED FOR MORE THAN 7 CONSECUTIVE DAYS.

THE CONTRACTOR MAY NOT CLOSE THE ROAD WITHOUT PROVIDING 14 DAY WRITTEN NOTICE WHICH SHALL BE APPROVED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE APPLICABLE EMERGENCY SERVICES, PUBLIC TRANSIT, MCKENDREE UNIVERSITY AND MAIL CARRIERS OF THE CLOSURE AND AVAILABLE DETOUR ROUTES.

AS APPLICABLE, THE CONTRACTOR SHALL USE TYPE III BARRICADES WITH FLASHING LIGHTS AND SIGNS "ROAD CLOSED" (R11-2) AT ALL CLOSURE POINTS. "ROAD CONSTRUCTION AHEAD" (W20-1(O)) AND "ROAD CLOSED AHEAD" (W20-3(O)) WARNING SIGNS WITH FLASHING LIGHTS SHALL BE PLACED IN CONFORMANCE WITH HIGHWAY STANDARD BLR 22 AND AS DIRECTED BY THE ENGINEER TO ACCOMMODATE FIELD CONDITIONS.

STAGE CONSTRUCTION AS SHOWN IS NOT NECESSARILY SEQUENTIAL IN ORDER. STAGING CAN BE ADJUSTED TO ACCOMMODATE SCHEDULING AND TO EXPEDITE CONSTRUCTION. THE STAGES MAY BE COMBINED IF THE CONTRACTOR PROVIDES AN ALTERNATE TRAFFIC CONTROL PLAN, APPROVED BY THE ENGINEER, WHICH MAINTAINS COMPARABLE ACCESS. NO ADDITIONAL PAYMENT WILL BE MADE FOR ALTERNATE TRAFFIC CONTROL PLANS.

STAGE I
 ALTON STREET MAY BE CLOSED TO THRU TRAFFIC FOR CONSTRUCTION FROM STA. 10+29.34 TO STA. 19+00.

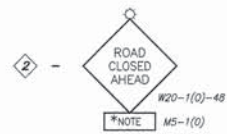
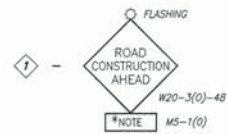
STAGE II
 ALTON STREET MAY BE CLOSED TO THRU TRAFFIC FOR CONSTRUCTION FROM STA. 19+00 TO STA. 29+00.

STAGE III
 ALTON STREET MAY BE CLOSED TO THRU TRAFFIC FOR CONSTRUCTION FROM STA. 29+00 TO STA. 33+60.18. AGGREGATE FOR TEMPORARY ACCESS SHALL BE USED AS DIRECTED BY THE ENGINEER TO MAINTAIN ACCESS AT THE INTERSECTION OF ALTON STREET AND SUMMERFIELD STREET DURING THIS STAGE.

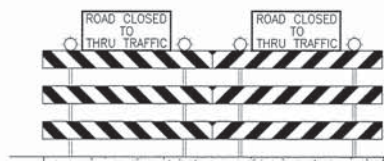
STAGE IV
 THE CONTRACTOR SHALL CONSTRUCT THE FINAL SURFACE COURSE LIFT UNDER TRAFFIC UTILIZING THE APPLICABLE SECTIONS OF STANDARDS 701501.

PAYMENT
 AGGREGATE FOR TEMPORARY ACCESS WILL BE MEASURED AND PAID FOR PER THE CONTRACT UNIT PRICE PER TON. ALL OTHER WORK DESCRIBED HEREIN SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION.

AREA OF IMPROVEMENTS - [Hatched Box]



*NOTE:
 DIRECTIONAL ARROW OR "AHEAD" AS NECESSARY PER STAGE CONSTRUCTION.



TYPE III BARRICADE (ROAD CLOSED TO THRU TRAFFIC)

TYPE III BARRICADES WITH STANDARD SIGN R11-4(O)-6030 MOUNTED AS SHOWN. PLACED AT ALL CLOSURE POINTS.

NOT TO SCALE



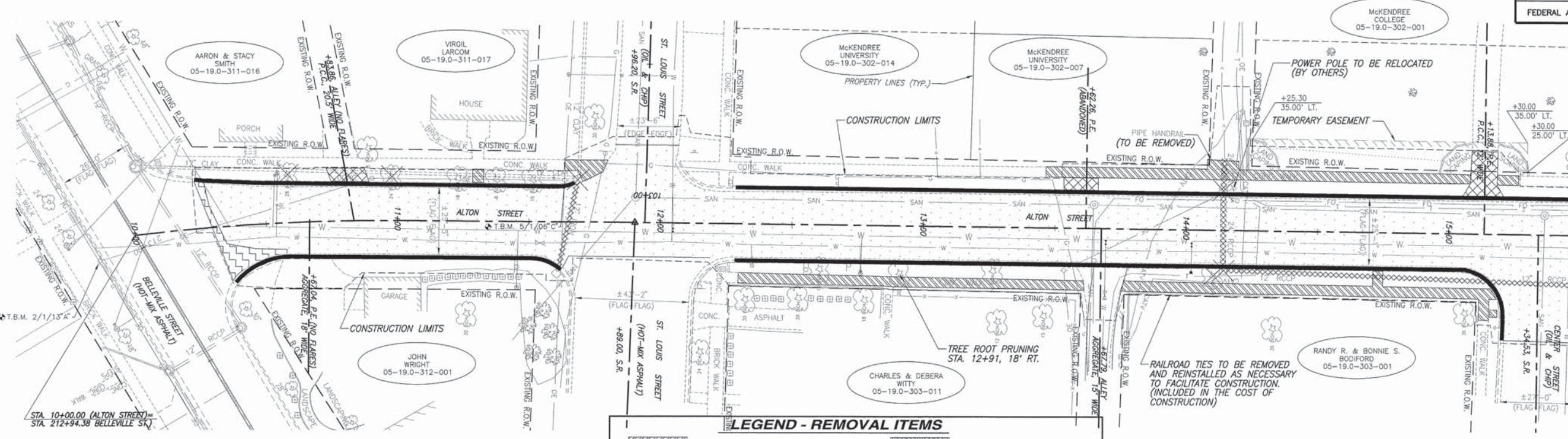
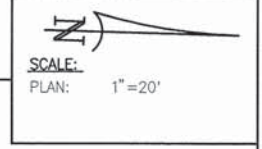
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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	12
STA. 10+29.34		TO		STA. 33+60.18
FEDERAL AID PROJECT		CONTRACT 97554		

LEGEND

- TREE
- SHRUB
- SAPLING
- MAILBOX
- STORM INLET
- CULVERT
- TELEPHONE PEDESTAL
- CABLE TV PEDESTAL
- ELECTRIC PEDESTAL
- GAS VALVE
- SIGN
- STREET SIGN
- ROADWAY/TRAFFIC SIGN
- POWER POLE
- GUY WIRE
- WATER METER
- WATER VALVE
- WARNING POST
- FENCE
- SWALE FLOWLINE
- EDGE OF PAVEMENT
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC
- FO UNDERGROUND FIBER OPTIC
- UT UNDERGROUND TELEPHONE
- G UNDERGROUND GAS MAIN
- W WATER MAIN
- SAN SANITARY SEWER

MATCHLINE STA. 15+50

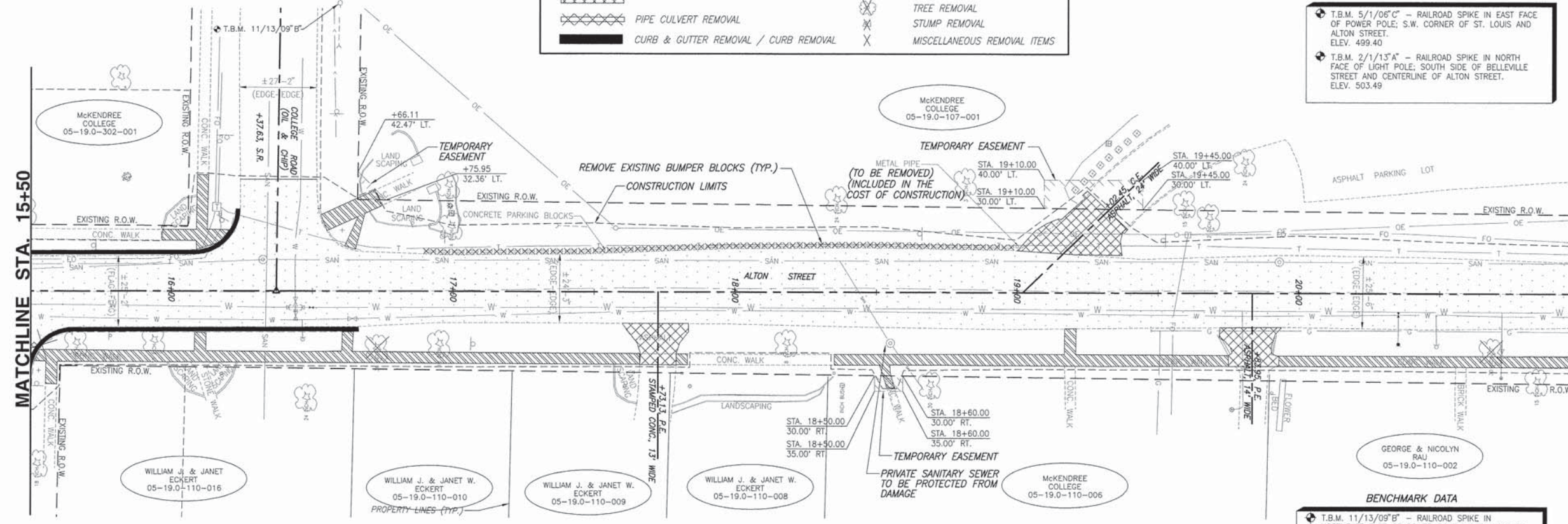


LEGEND - REMOVAL ITEMS

	SIDEWALK REMOVAL		CONCRETE STEPS TO BE REMOVED
	PAVEMENT REMOVAL		OIL & CHIP TO BE REMOVED
	DRIVEWAY PAVEMENT REMOVAL		INLET TO BE REMOVED
	PIPE CULVERT REMOVAL		TREE REMOVAL
	CURB & GUTTER REMOVAL / CURB REMOVAL		STUMP REMOVAL
			MISCELLANEOUS REMOVAL ITEMS

BENCHMARK DATA

- T.B.M. 5/1/06" C - RAILROAD SPIKE IN EAST FACE OF POWER POLE; S.W. CORNER OF ST. LOUIS AND ALTON STREET. ELEV. 499.40
- T.B.M. 2/1/13" A - RAILROAD SPIKE IN NORTH FACE OF LIGHT POLE; SOUTH SIDE OF BELLEVILLE STREET AND CENTERLINE OF ALTON STREET. ELEV. 503.49



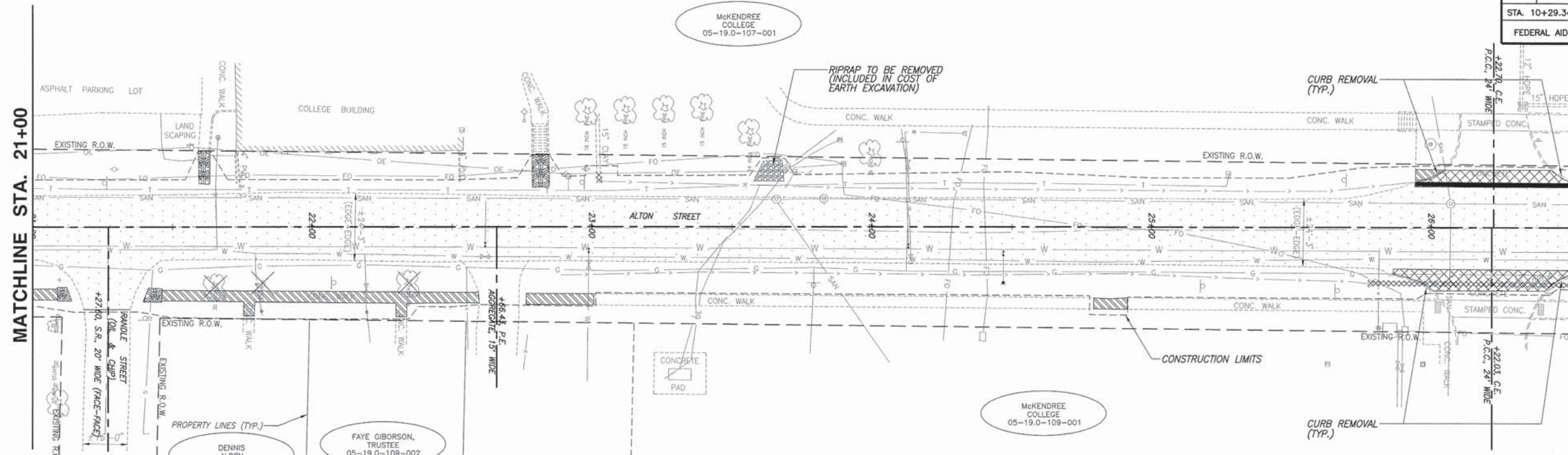
BENCHMARK DATA

- T.B.M. 11/13/09" B - RAILROAD SPIKE IN NORTHEAST FACE OF POWER POLE; NORTH SIDE OF COLLEGE ST.; 1st POWER POLE WEST OF ALTON STREET. ELEV. 499.15

MATCHLINE STA. 21+00

K:\13389 - Alton Street Improvements\13389-01\13389-01.dwg, 3/7/2014 2:53:59 PM, P:\Admin\J.V.W.

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	13
STA. 10+29.34		TO		STA. 33+60.18
FEDERAL AID PROJECT		CONTRACT 97554		

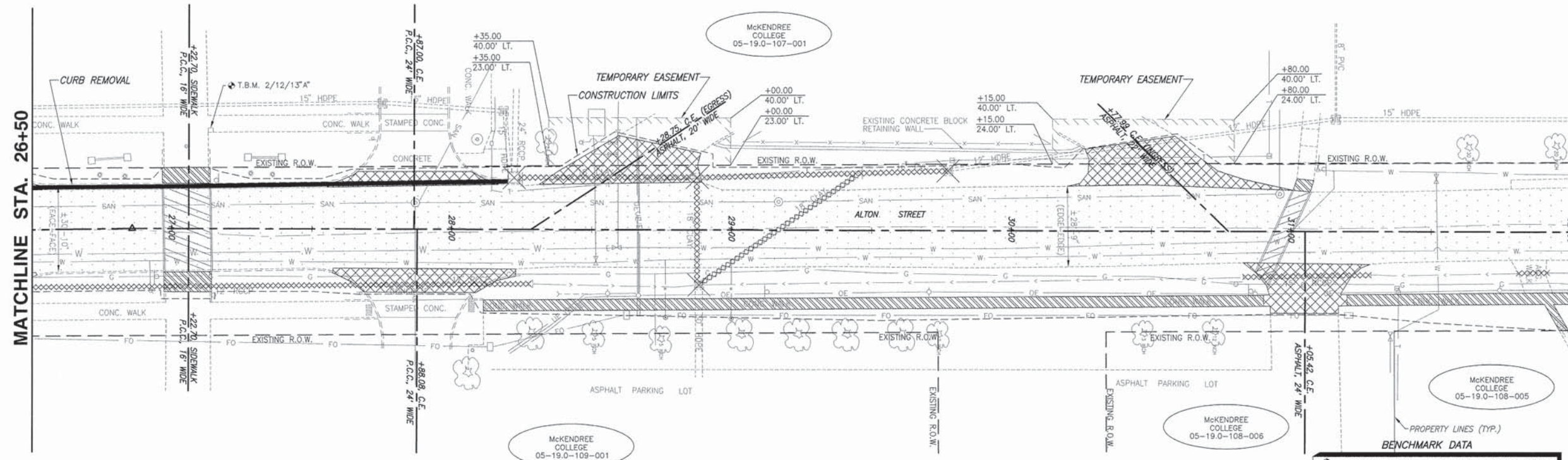
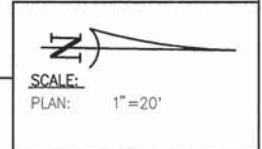


LEGEND

- TREE
- SHRUB
- SAPLING
- MAILBOX
- STORM INLET
- CULVERT
- TELEPHONE PEDESTAL
- CABLE TV PEDESTAL
- ELECTRIC PEDESTAL
- GAS VALVE
- SIGN
- STREET SIGN
- ROADWAY/TRAFFIC SIGN
- POWER POLE
- GUY WIRE
- WATER METER
- WATER VALVE
- WARNING POST
- FENCE
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- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- UNDERGROUND FIBER OPTIC
- UNDERGROUND TELEPHONE
- UNDERGROUND GAS MAIN
- WATER MAIN
- SANITARY SEWER

LEGEND - REMOVAL ITEMS

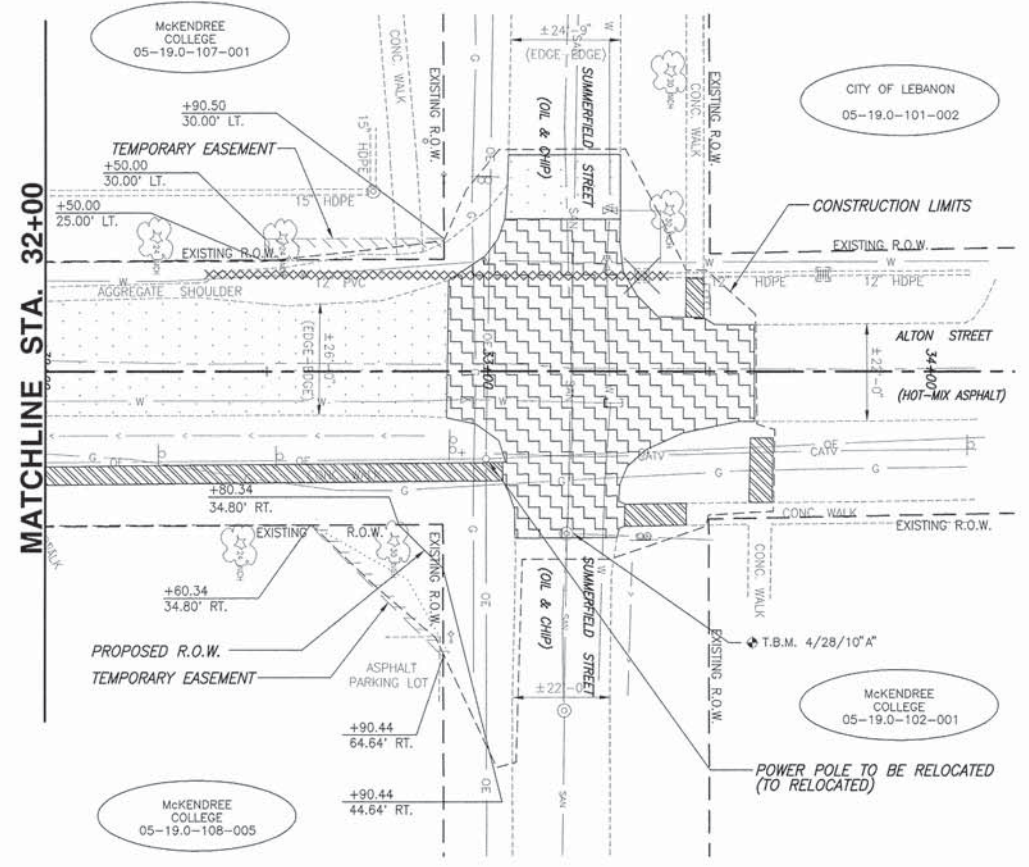
SIDEWALK REMOVAL	CONCRETE STEPS TO BE REMOVED
PAVEMENT REMOVAL	OIL & CHIP TO BE REMOVED
DRIVEWAY PAVEMENT REMOVAL	INLET TO BE REMOVED
PIPE CULVERT REMOVAL	TREE REMOVAL
CURB & GUTTER REMOVAL / CURB REMOVAL	STUMP REMOVAL
	MISCELLANEOUS REMOVAL ITEMS



BENCHMARK DATA
 T.B.M. 2/12/13" A - CHISELED " LON S.E. CORNER OF CONCRETE WALK ON WEST SIDE ALTON ST. AT MAIN SIDEWALK ENTRANCE TO COLLEGE CAMPUS. ELEV. 487.23

K:\V2009 - Update - Misc. Sheet Improvements\A2009_MISC\ALTON_Plan.dwg, 3/26/2014 2:38:53 PM, Plotfile by ME

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
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STA. 10+29.34		TO	STA. 33+60.18	
FEDERAL AID PROJECT		CONTRACT 97554		



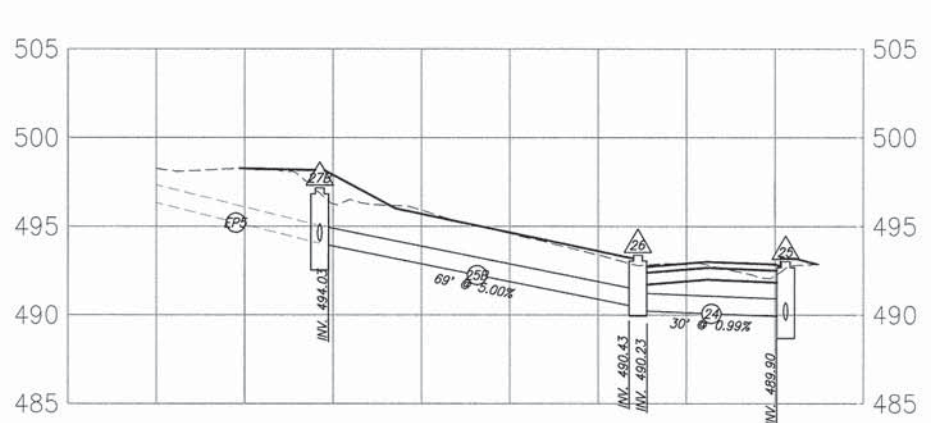
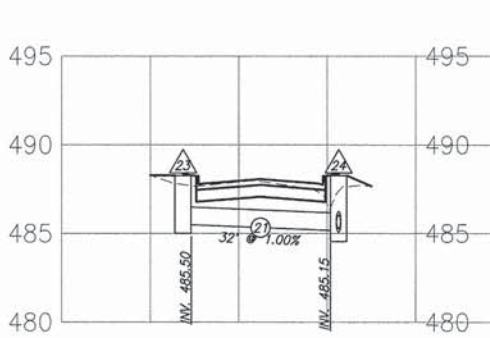
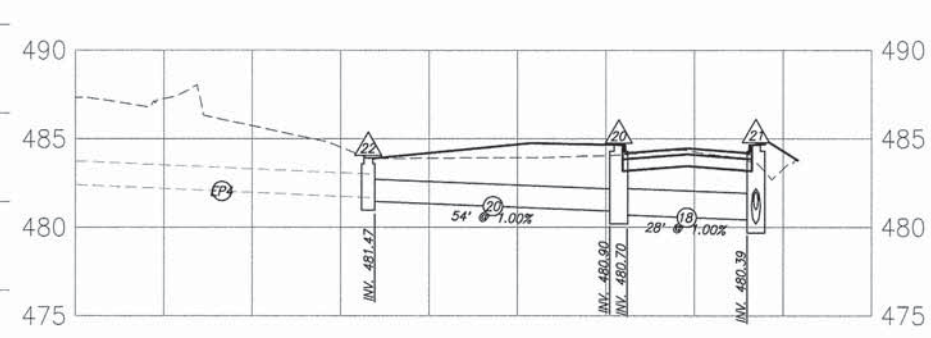
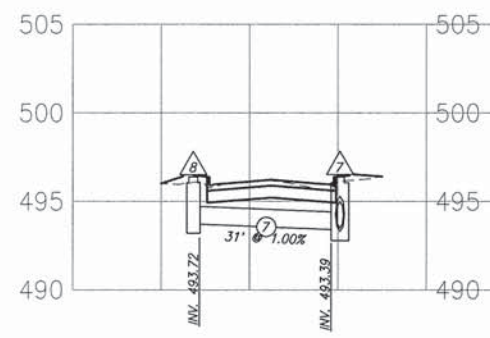
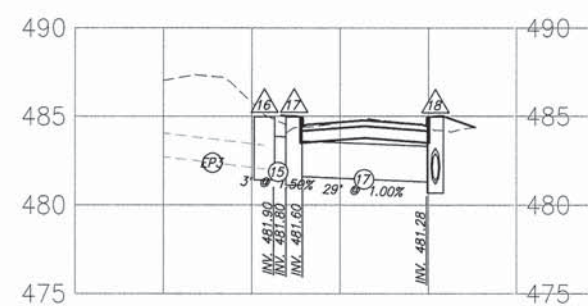
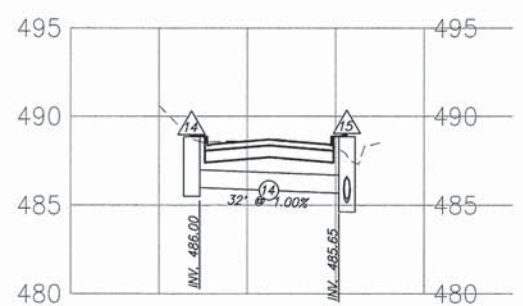
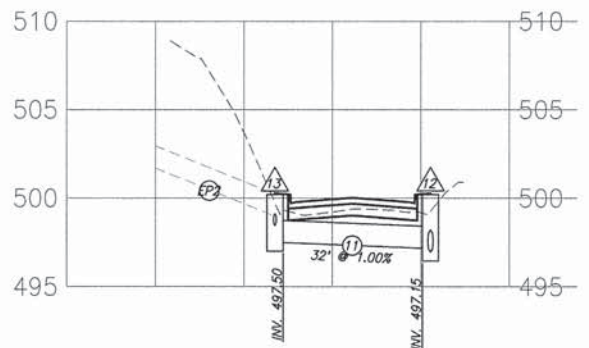
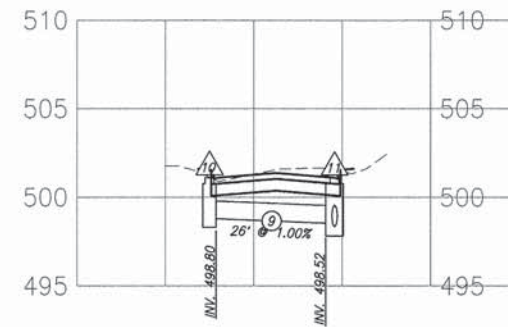
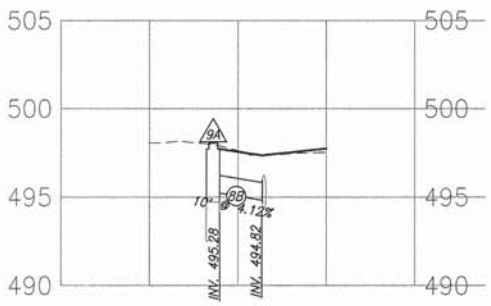
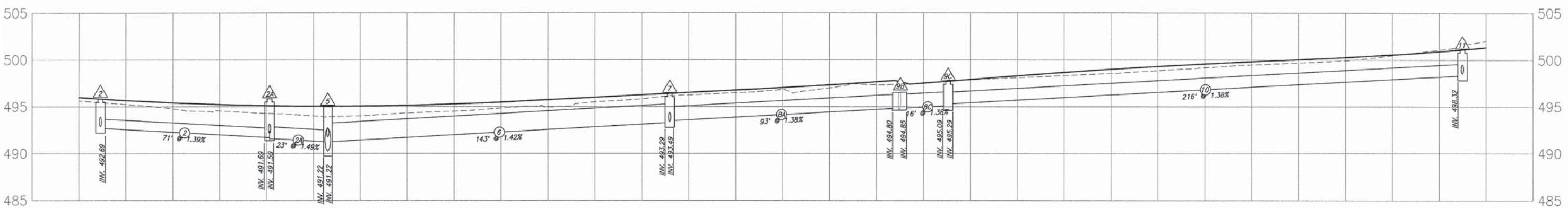
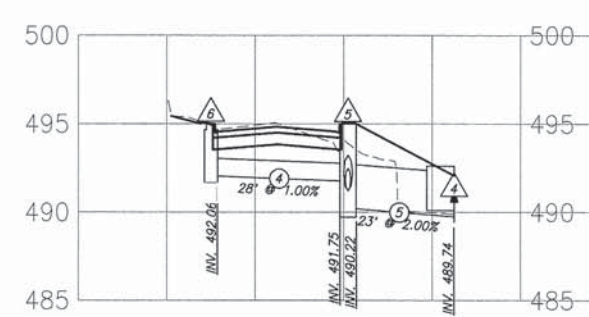
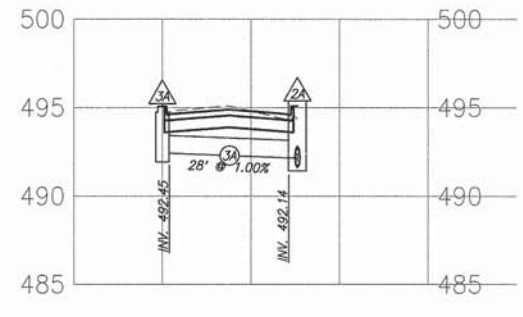
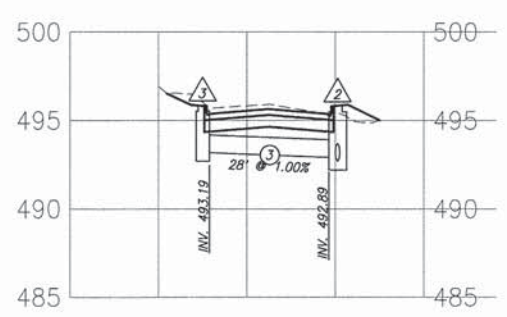
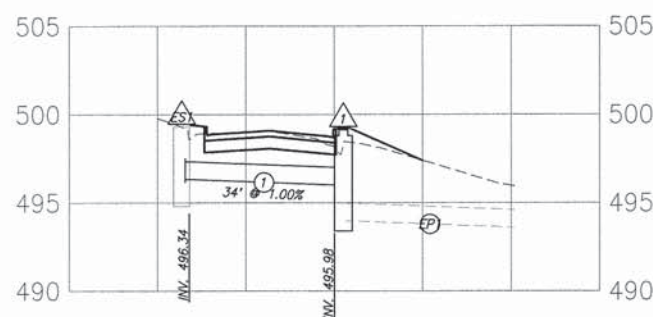
	SIDEWALK REMOVAL		CONCRETE STEPS TO BE REMOVED
	PAVEMENT REMOVAL		OIL & CHIP TO BE REMOVED
	DRIVEWAY PAVEMENT REMOVAL		INLET TO BE REMOVED
	PIPE CULVERT REMOVAL		TREE REMOVAL
	CURB & GUTTER REMOVAL / CURB REMOVAL		STUMP REMOVAL
			MISCELLANEOUS REMOVAL ITEMS

BENCHMARK DATA
 T.B.M. 4/28/10" A - CHISELED "X" ON NORTH RIM MANHOLE, EAST SIDE OF ALTON ST. AND CENTERLINE OF SUMMERFIELD ST. ELEV. 494.47

	TREE
	SHRUB
	SAPLING
	MAILBOX
	STORM INLET
	CULVERT
	TELEPHONE PEDESTAL
	CABLE TV PEDESTAL
	ELECTRIC PEDESTAL
	GAS VALVE
	SIGN
	STREET SIGN
	ROADWAY/TRAFFIC SIGN
	POWER POLE
	GUY WIRE
	WATER METER
	WATER VALVE
	WARNING POST
	FENCE
	SWALE FLOWLINE
	EDGE OF PAVEMENT
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	UNDERGROUND FIBER OPTIC
	UNDERGROUND TELEPHONE
	UNDERGROUND GAS MAIN
	WATER MAIN
	SANITARY SEWER

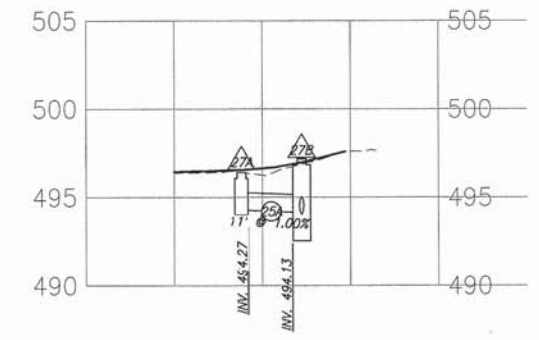
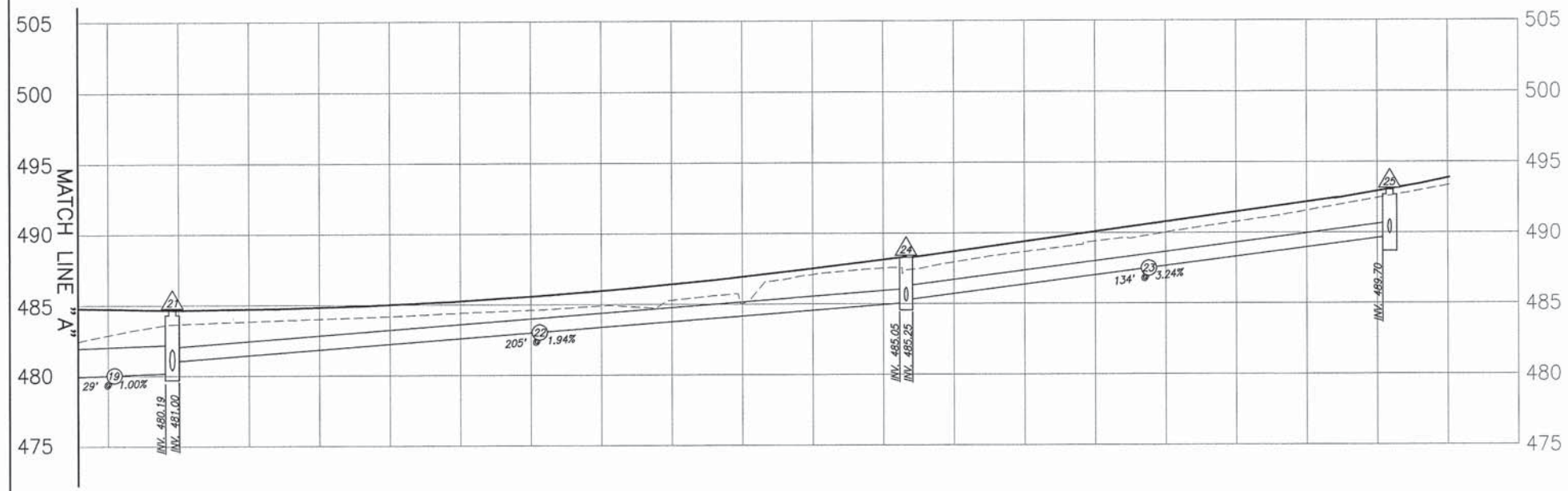
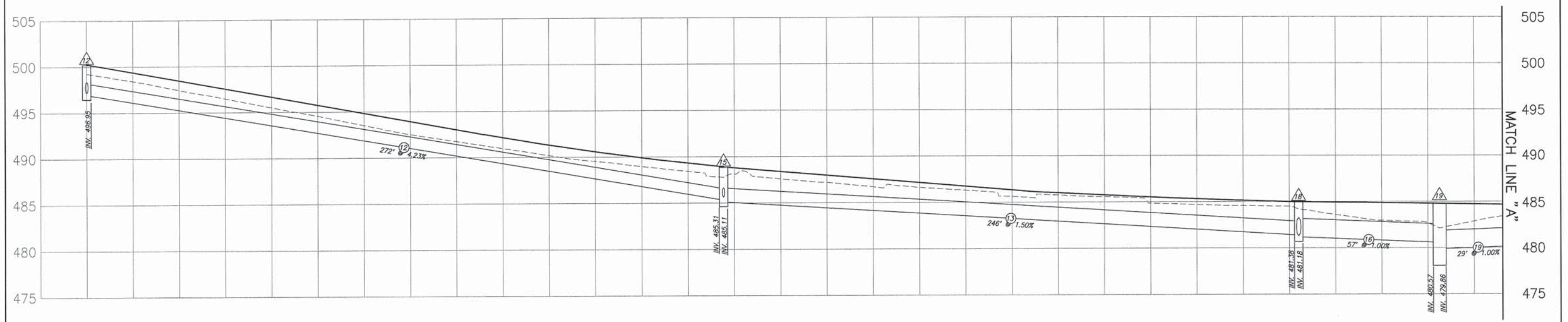
SCALE:
 PLAN: 1" = 20'

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	15
STA. 10+29.34 TO		STA. 33+60.18		
FEDERAL AID PROJECT		CONTRACT 97554		



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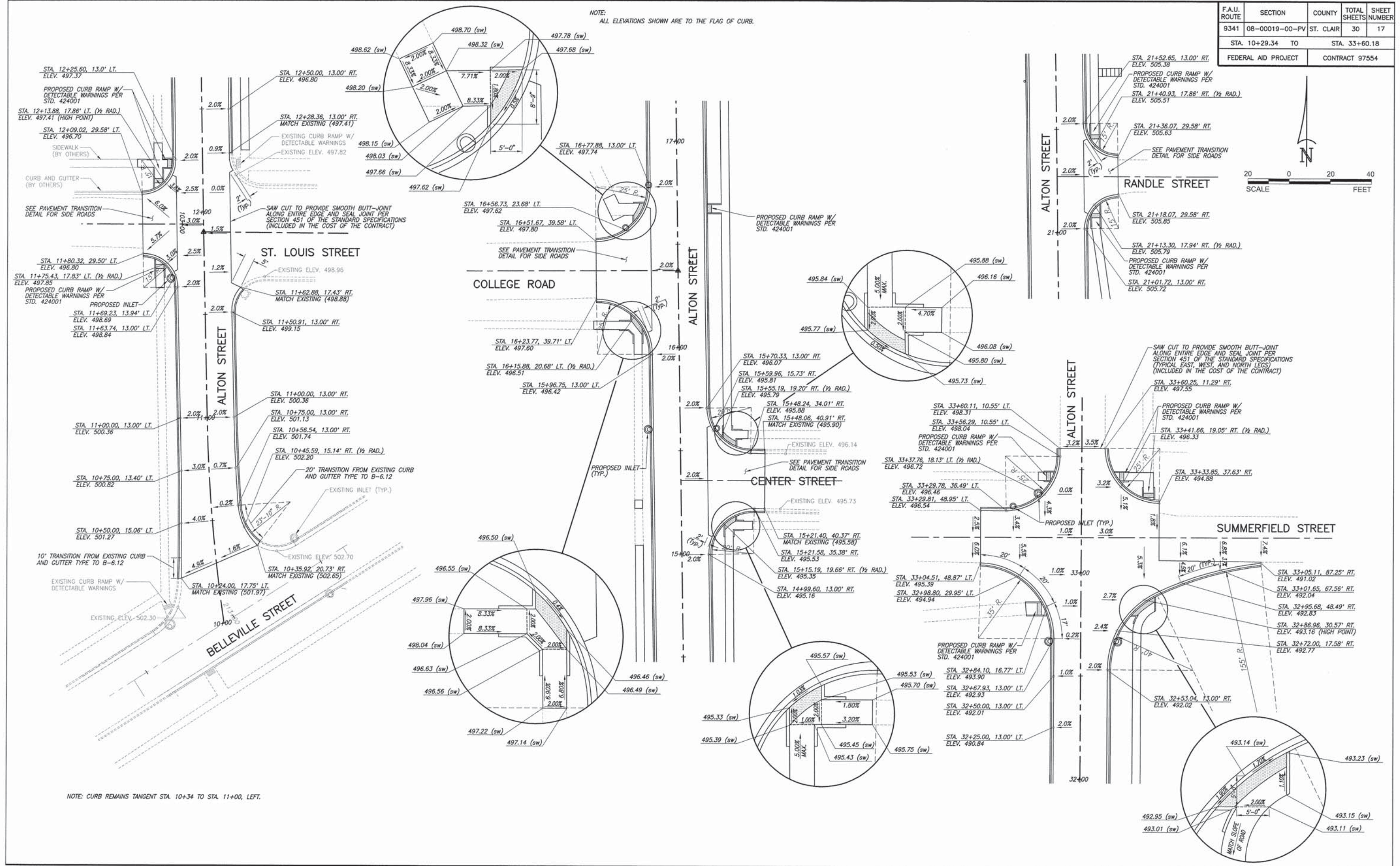
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	16
STA. 10+29.34 TO		STA. 33+60.18		
FEDERAL AID PROJECT		CONTRACT 97554		



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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	17
STA. 10+29.34 TO		STA. 33+60.18		
FEDERAL AID PROJECT		CONTRACT 97554		

NOTE:
ALL ELEVATIONS SHOWN ARE TO THE FLAG OF CURB.



NOTE: CURB REMAINS TANGENT STA. 10+34 TO STA. 11+00, LEFT.

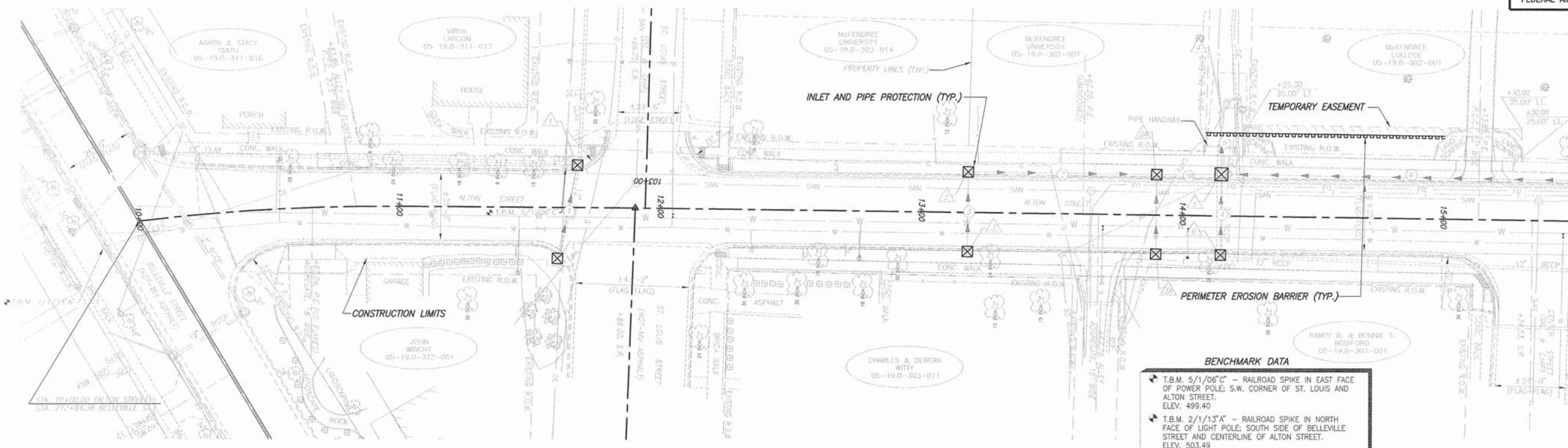
INTERSECTION DETAILS ALTON STREET IMPROVEMENTS
SECTION 08-00019-00-PV LEBANON, ILLINOIS

P:\03308 - Lebanon - 0800 - Street Improvements\17\170300_INTERSECTIONS_08-00019-00-PV.dwg, 3/24/2014 2:59:59 PM, Plotted by MK

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	18
STA. 10+29.34		TO	STA. 33+60.18	
FEDERAL AID PROJECT		CONTRACT 97554		

LEGEND

- TREE
- SHRUB
- SAPLING
- MAILBOX
- STORM INLET
- CULVERT
- TELEPHONE PEDESTAL
- CABLE TV PEDESTAL
- ELECTRIC PEDESTAL
- GAS VALVE
- SIGN
- STREET SIGN
- ROADWAY/TRAFFIC SIGN
- POWER POLE
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- WATER VALVE
- WARNING POST
- FENCE
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- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- UNDERGROUND FIBER OPTIC
- UNDERGROUND TELEPHONE
- UNDERGROUND GAS MAIN
- WATER MAIN
- SANITARY SEWER

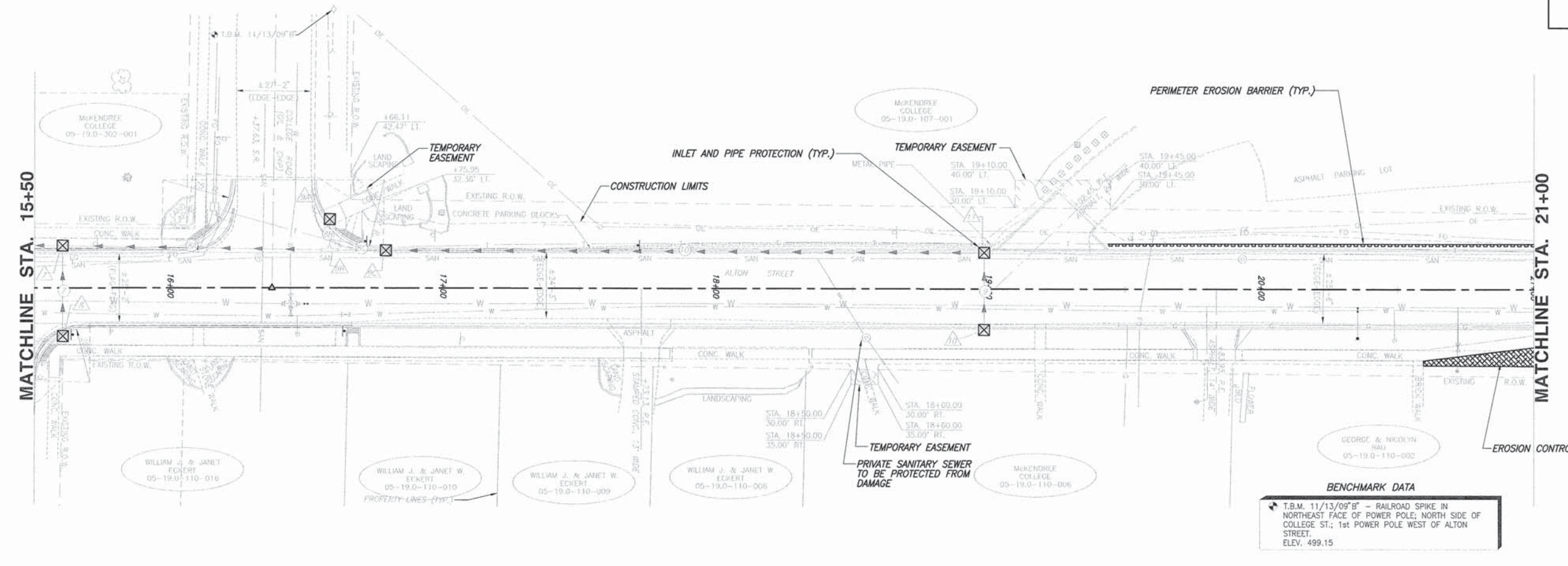


BENCHMARK DATA

- T.B.M. 5/1/06" - RAILROAD SPIKE IN EAST FACE OF POWER POLE; S.W. CORNER OF ST. LOUIS AND ALTON STREET. ELEV. 499.40
- T.B.M. 2/1/13" - RAILROAD SPIKE IN NORTH FACE OF LIGHT POLE; SOUTH SIDE OF BELLEVILLE STREET AND CENTERLINE OF ALTON STREET. ELEV. 503.49

MATCHLINE STA. 15+50

SCALE:
PLAN: 1" = 20'



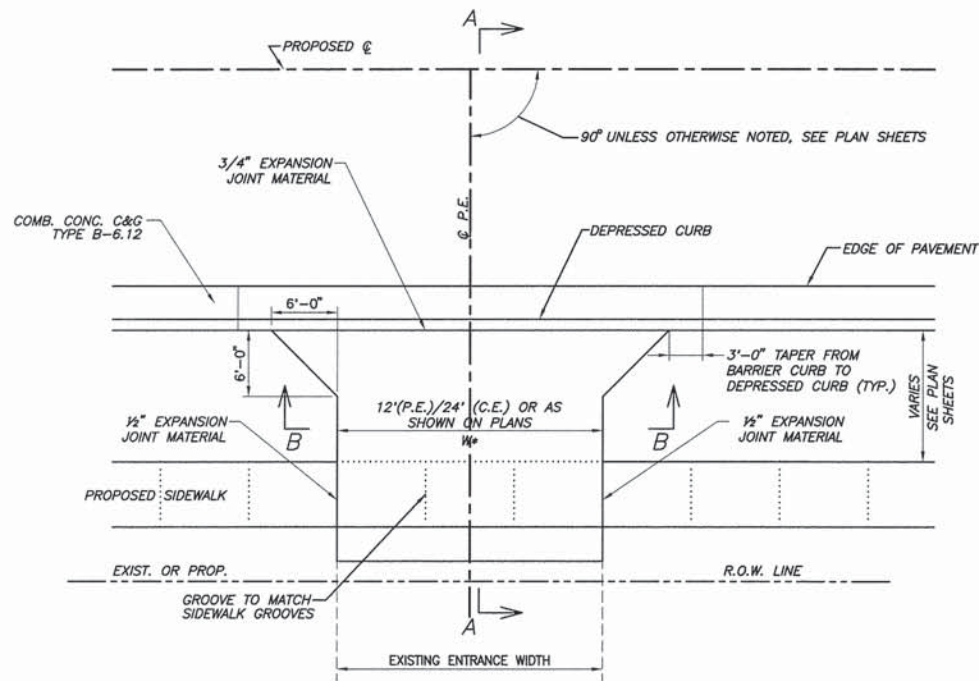
BENCHMARK DATA

- T.B.M. 11/13/09" - RAILROAD SPIKE IN NORTHEAST FACE OF POWER POLE; NORTH SIDE OF COLLEGE ST.; 1st POWER POLE WEST OF ALTON STREET. ELEV. 499.15

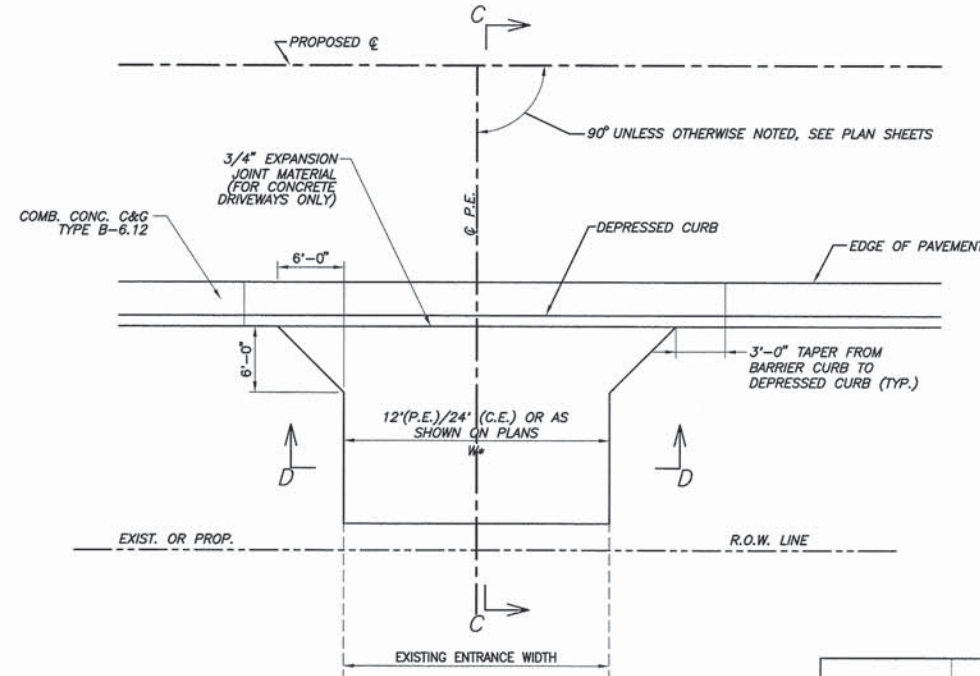
MATCHLINE STA. 21+00

K:\13096 - Lebanon - Alton Street Improvements\13096_080019-00-PV.dwg, Plot Date: 12/22/2014 10:55:55 AM, Plot Size: 11.00 x 17.00

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	21
STA 10+29.34 TO STA. 33+60.18		FEDERAL AID PROJECT CONTRACT 97554		

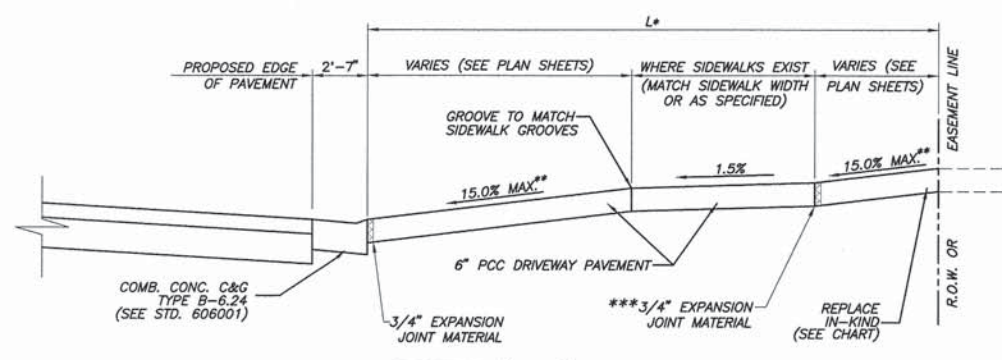


P.E./C.E. DETAIL "A"
PRIVATE ENTRANCE WITH SIDEWALK AND CONCRETE CURB & GUTTER TYPE B-6.12 N.T.S.

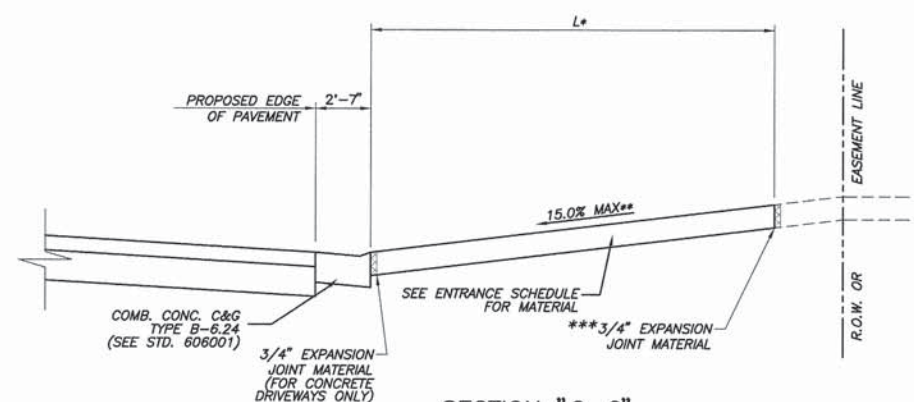


C.E. DETAIL "B"
PRIVATE ENTRANCE WITHOUT SIDEWALK N.T.S.

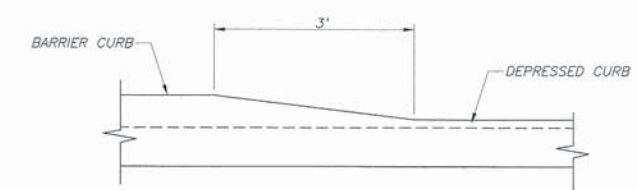
TYPE OF ENTRANCE	EXISTING MATERIAL	NEW ENTRANCE MATERIAL			
		PCC DRIVEWAY PAVEMENT	INCIDENTAL ASPHALT SURFACING	HOT-MIX AGGREGATE BASE COURSE TYPE B	AGGREGATE SURFACE COURSE TYPE B
PRIVATE & COMMERCIAL	CONCRETE	X			
	ASPHALT		X		
	AGGREGATE				X



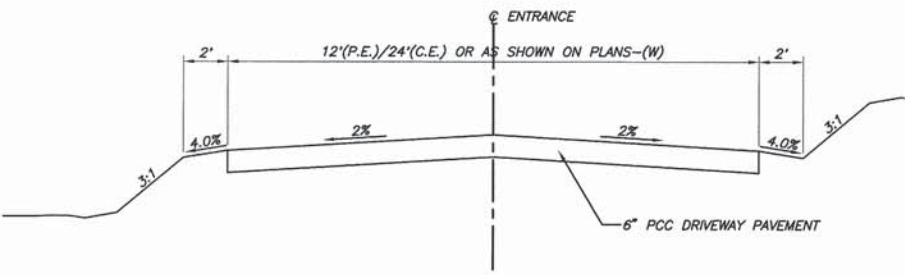
SECTION "A-A"
* SEE ENTRANCE SCHEDULE FOR DISTANCES
** SEE CROSS SECTIONS FOR SLOPES
*** FOR CONCRETE DRIVEWAYS ONLY



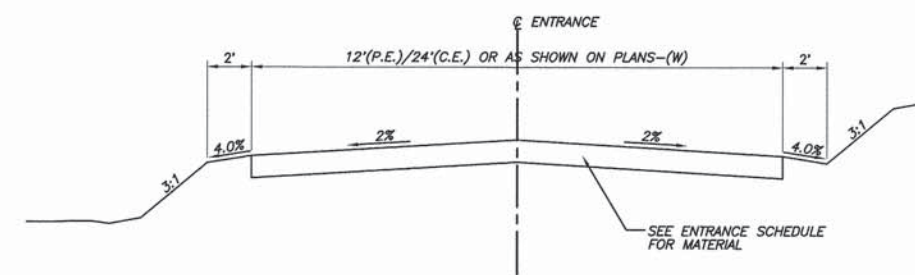
SECTION "C-C"
* SEE ENTRANCE SCHEDULE FOR DISTANCES
** SEE CROSS SECTIONS FOR SLOPES
*** FOR CONCRETE DRIVEWAYS ONLY



DETAIL OF CURB HEIGHT TRANSITION
N.T.S.

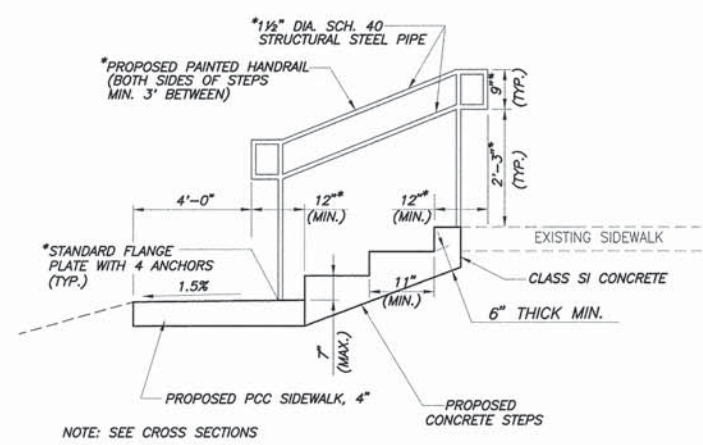


SECTION "B-B"

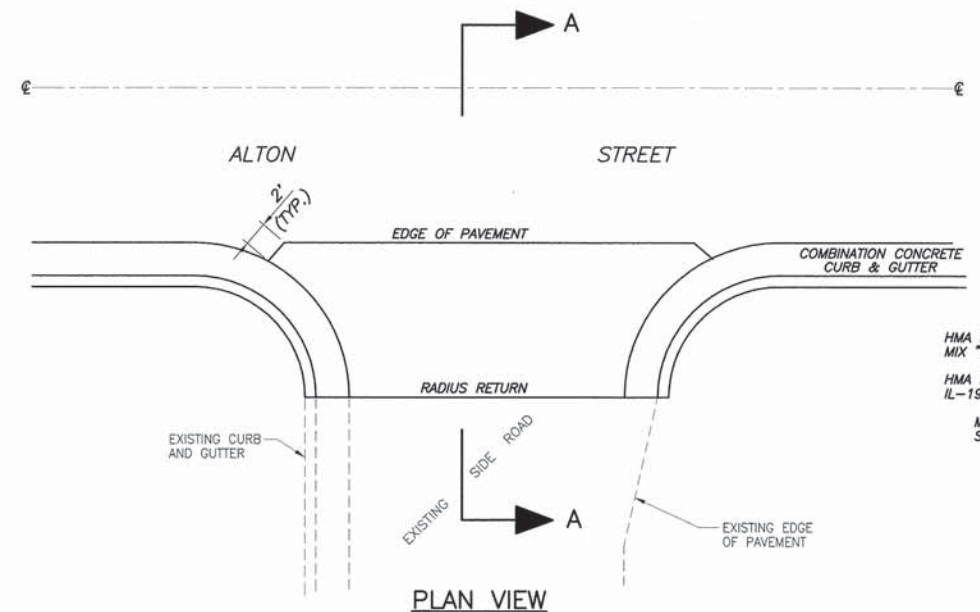


SECTION "D-D"

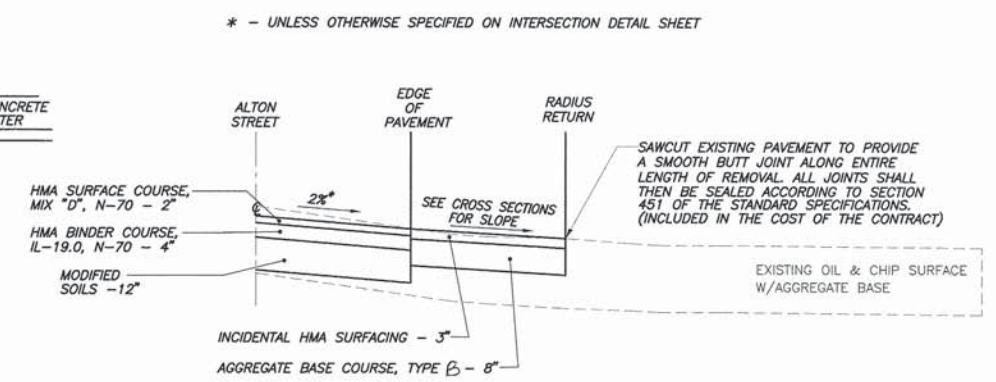
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	23
STA 10+29.34 TO STA. 33+60.18				
FEDERAL AID PROJECT		CONTRACT 97554		



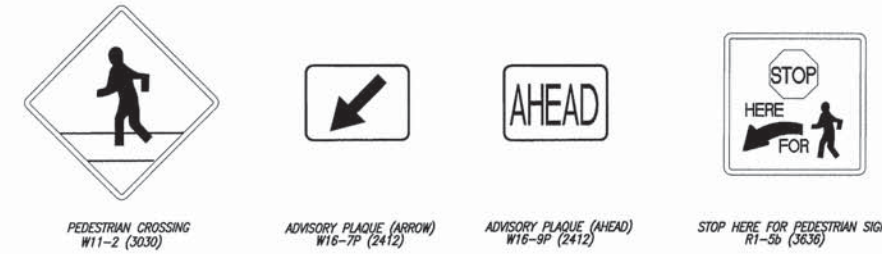
NOTE: SEE CROSS SECTIONS
 * - LOCATIONS HAVING 2 OR MORE PROPOSED STEPS
PROPOSED CONCRETE STEPS
 N.T.S.



PLAN VIEW

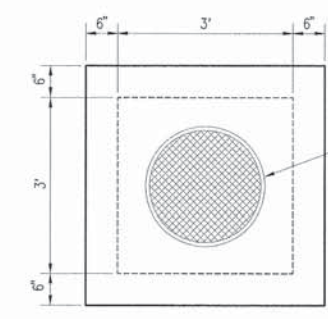


SECTION A-A

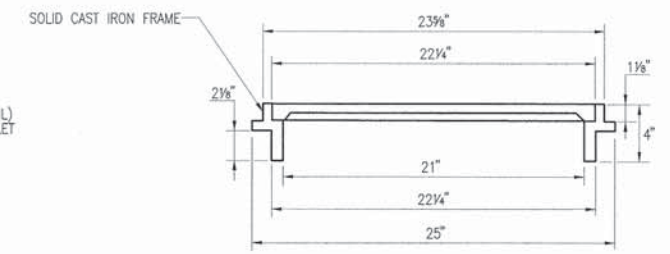


SIGNAGE DETAILS
 N.T.S.

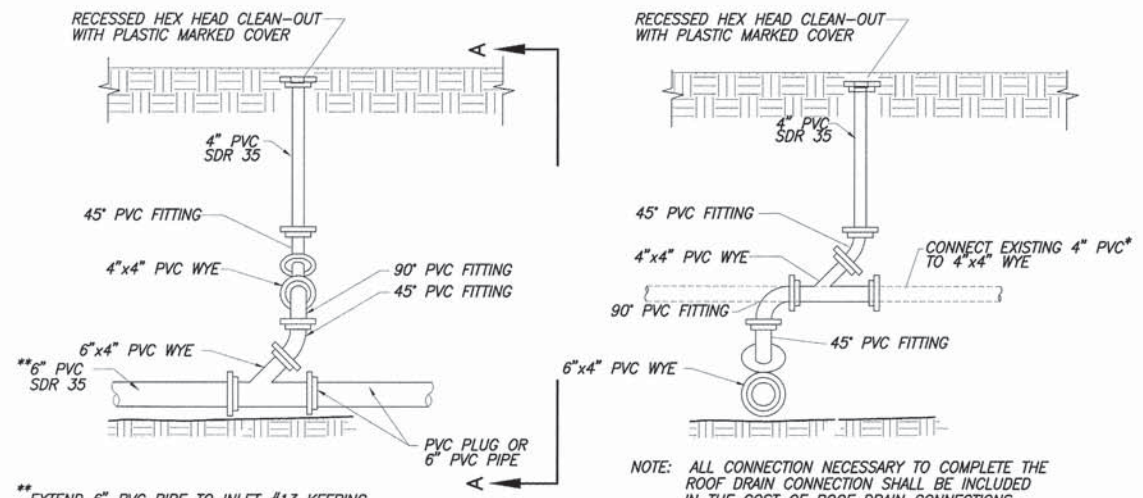
PAVEMENT TRANSITION FOR SIDE ROADS
 N.T.S.



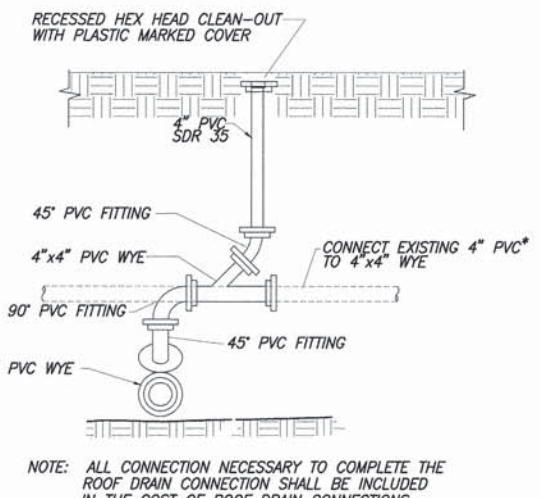
PRECAST LID DETAIL



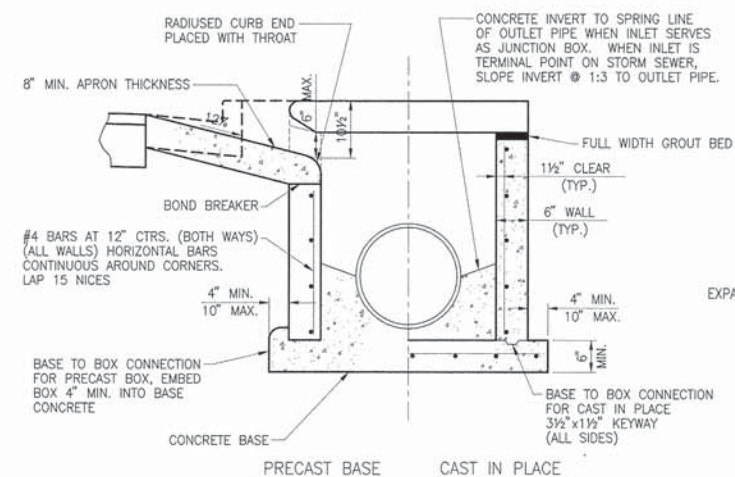
FRAME AND CLOSED LID



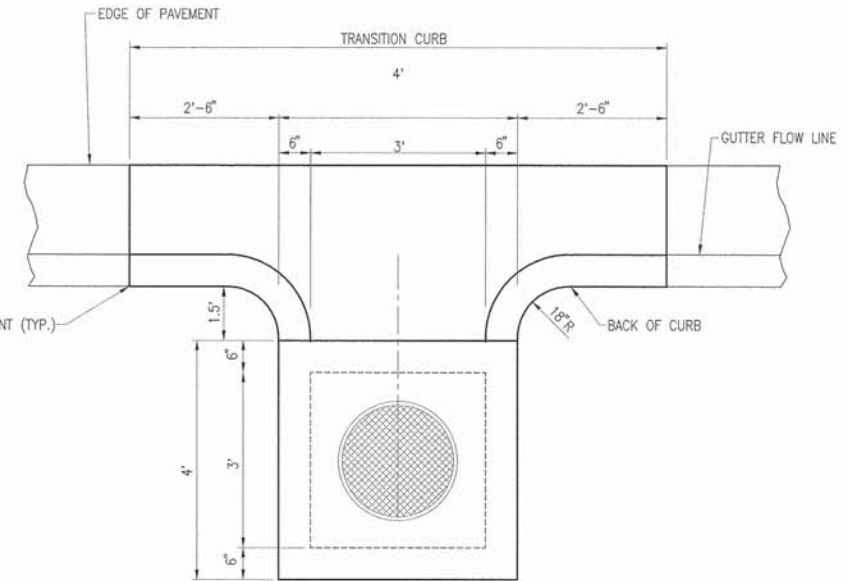
SECTIONAL VIEW



SECTION A-A



END VIEW

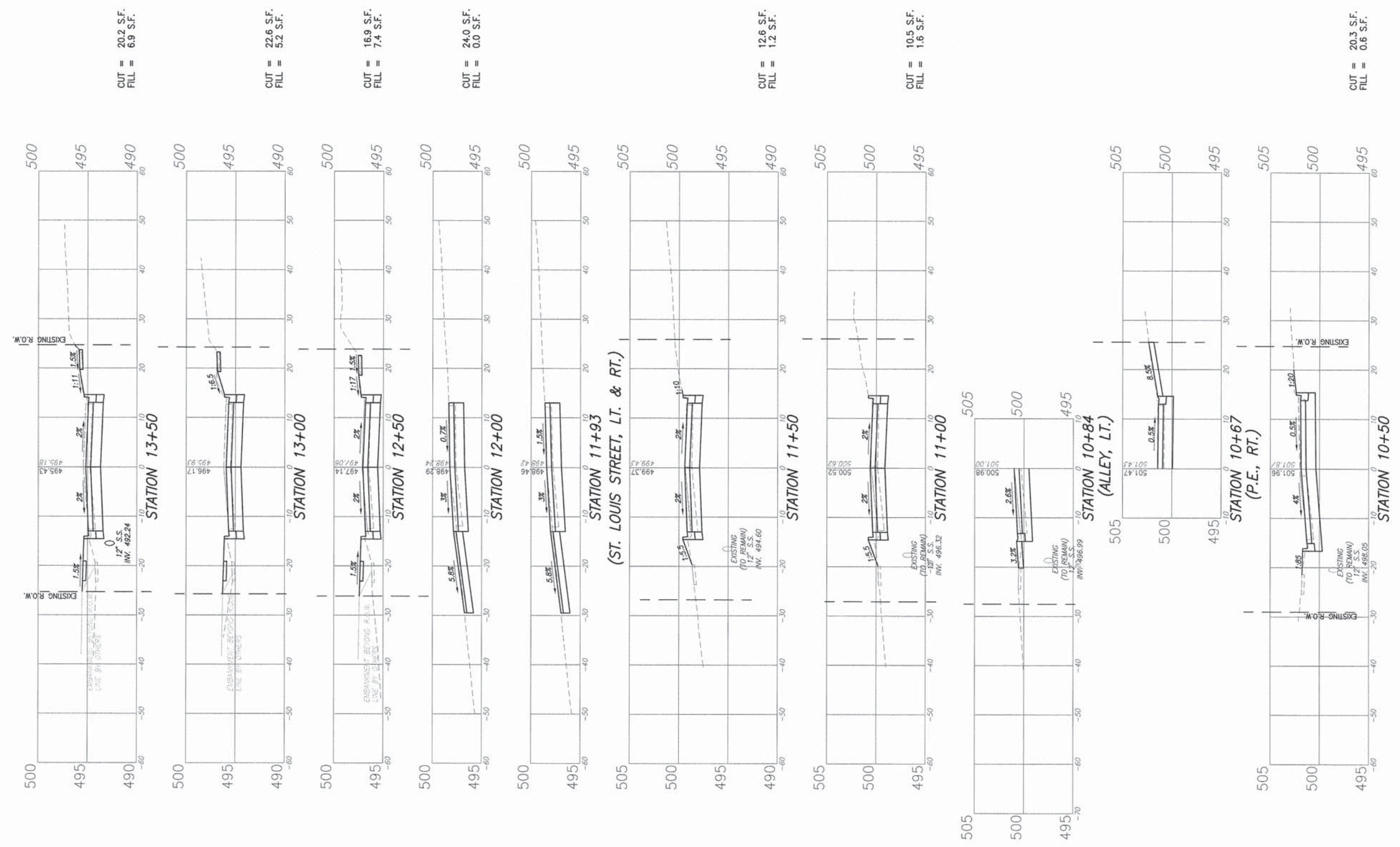


PLAN

INLETS, SPECIAL, NO. 1 - 3' X 3'
 N.T.S.

ROOF DRAIN COLLECTION NETWORK
 N.T.S.

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	24
FEDERAL AID PROJECT		CONTRACT 97554		



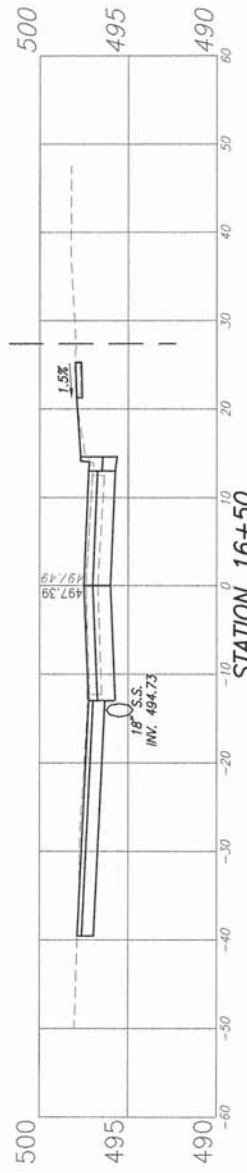
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	25
FEDERAL AID PROJECT		CONTRACT 97554		

CUT = 12.2 S.F.
FILL = 3.7 S.F.

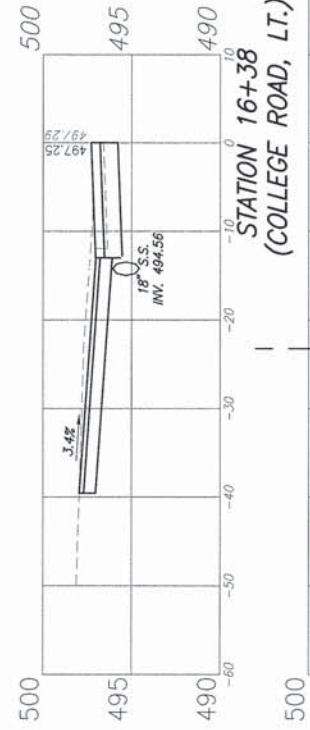


STATION 17+00

CUT = 38.1 S.F.
FILL = 0.9 S.F.

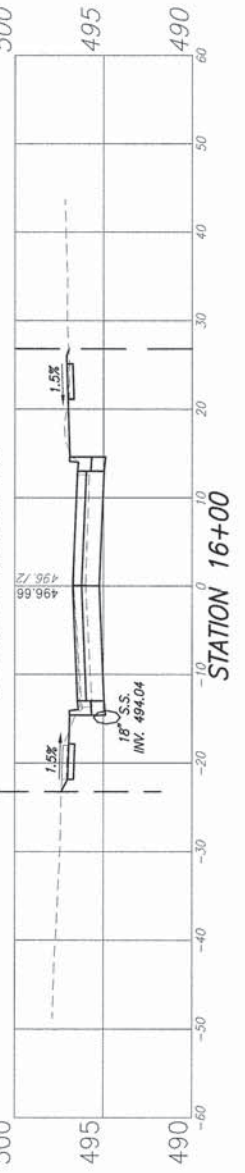


STATION 16+50

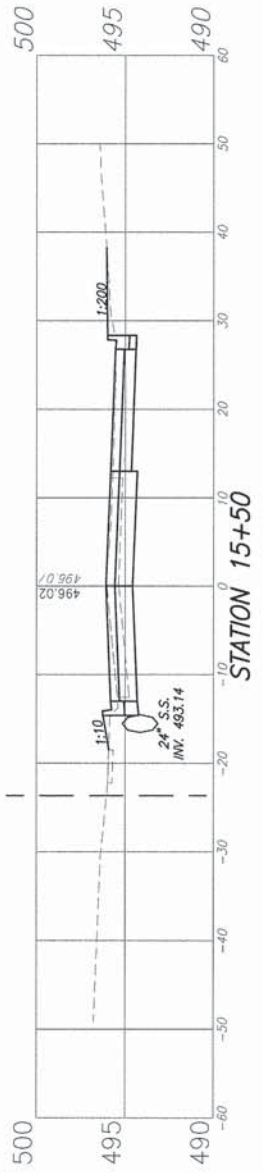


STATION 16+38
(COLLEGE ROAD, LT.)

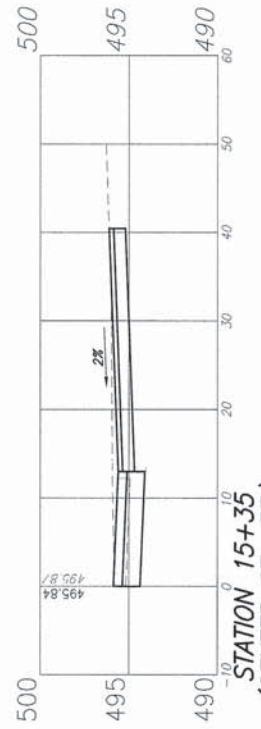
CUT = 15.9 S.F.
FILL = 0.3 S.F.



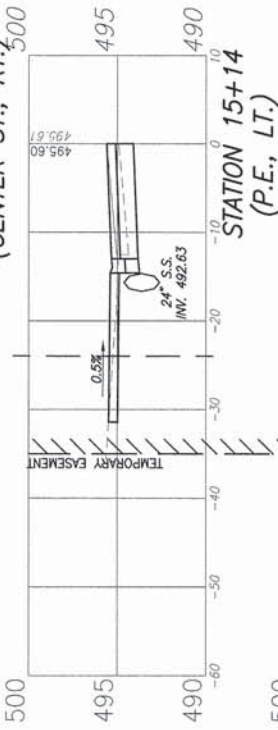
STATION 16+00



STATION 15+50



STATION 15+35
(CENTER ST., RT.)

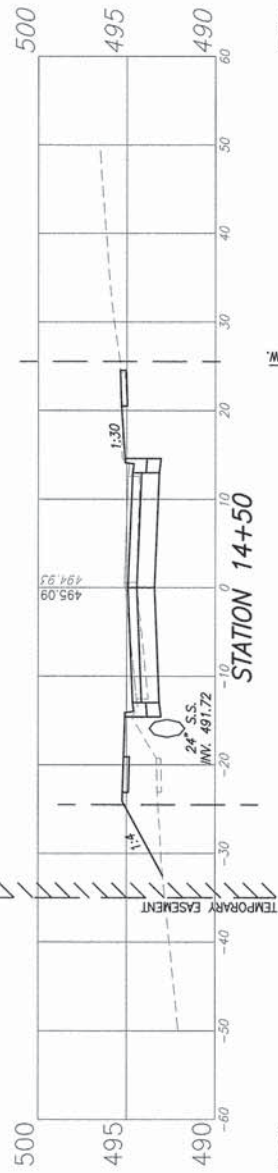


STATION 15+14
(P.E., LT.)

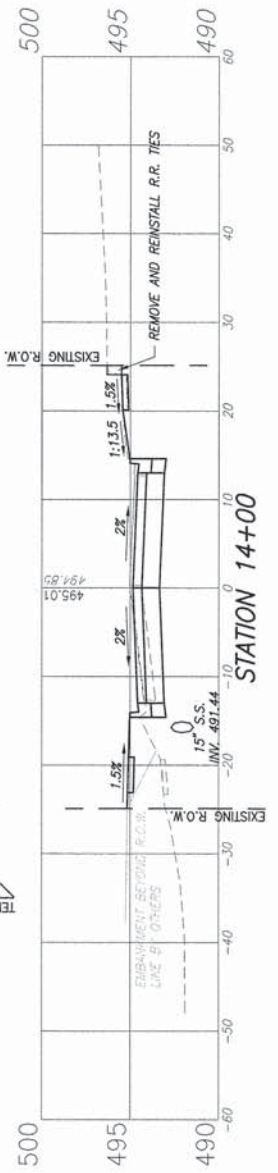
CUT = 14.2 S.F.
FILL = 11.2 S.F.



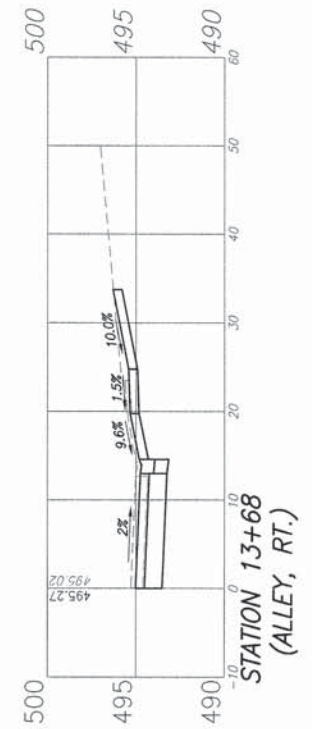
STATION 15+00



STATION 14+50

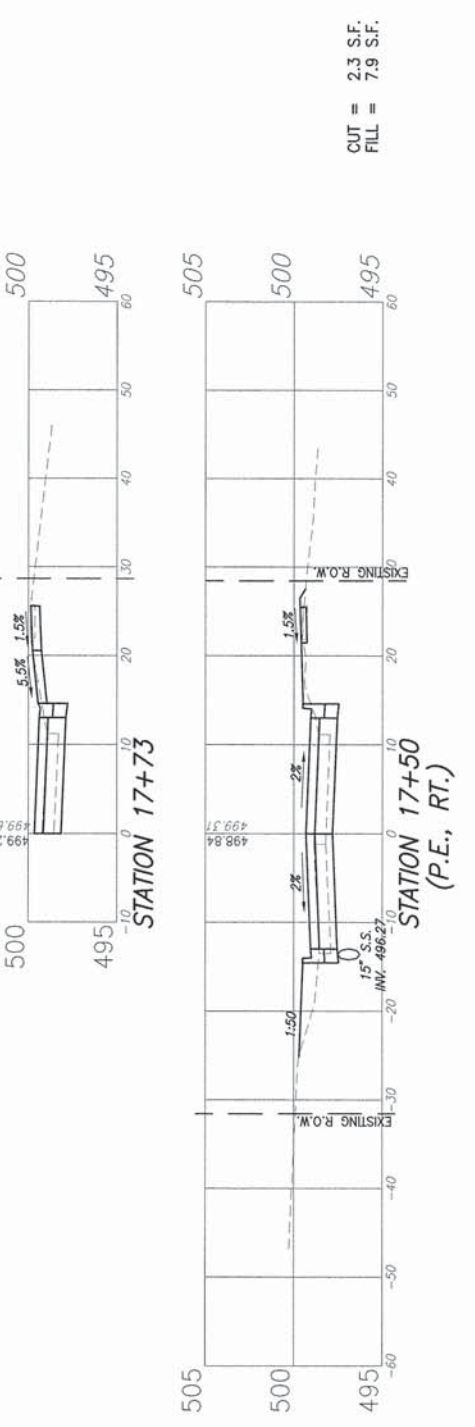
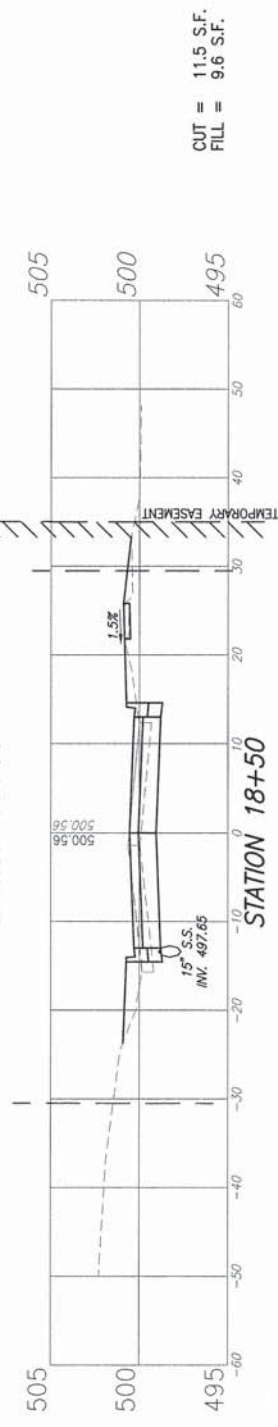
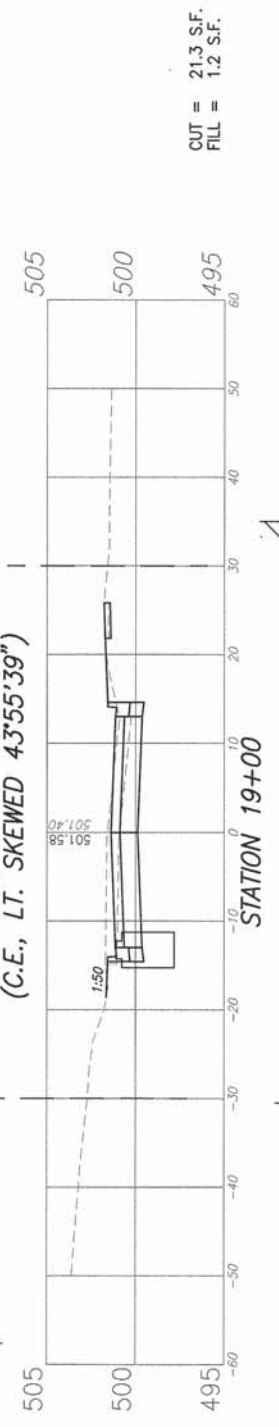
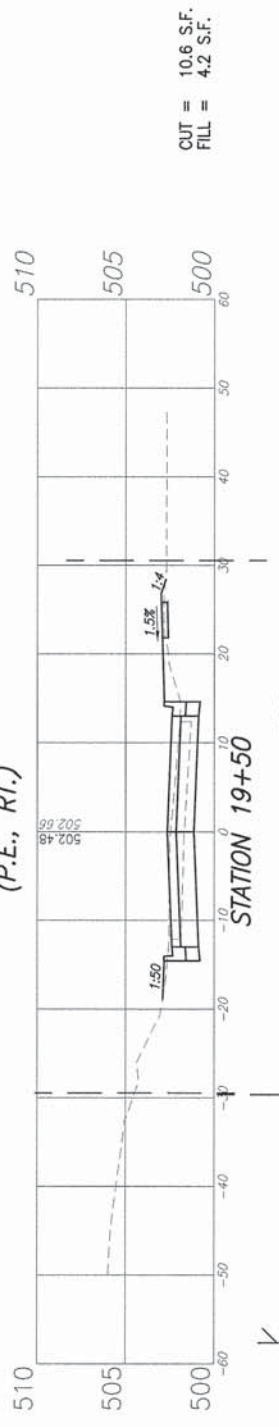
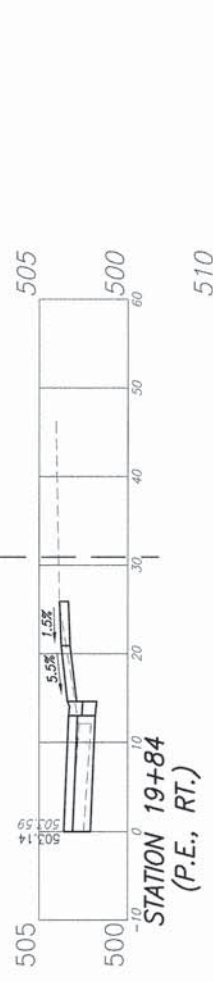
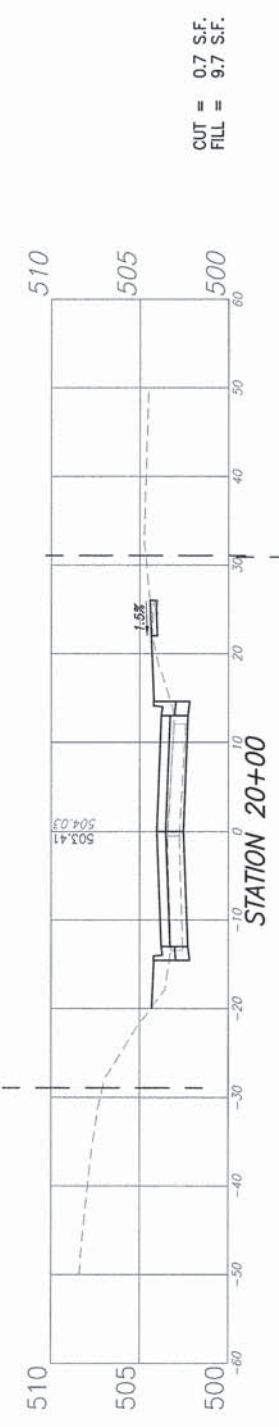
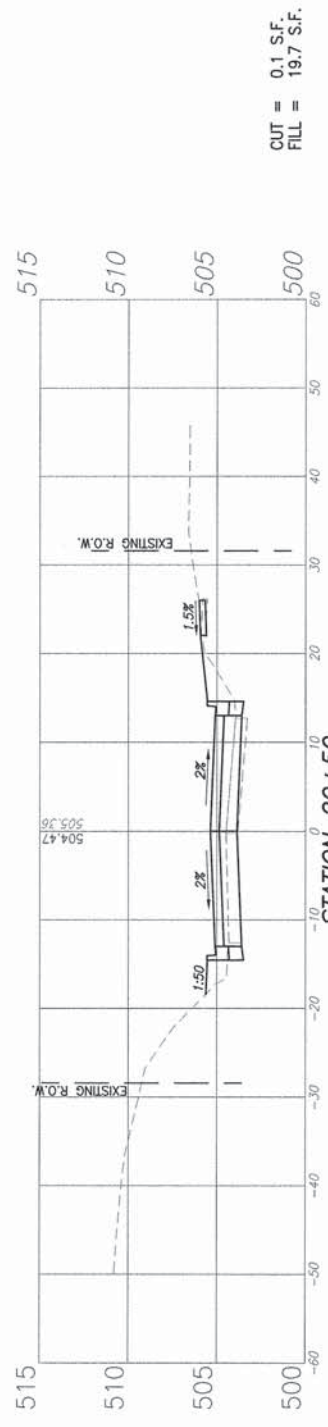


STATION 14+00

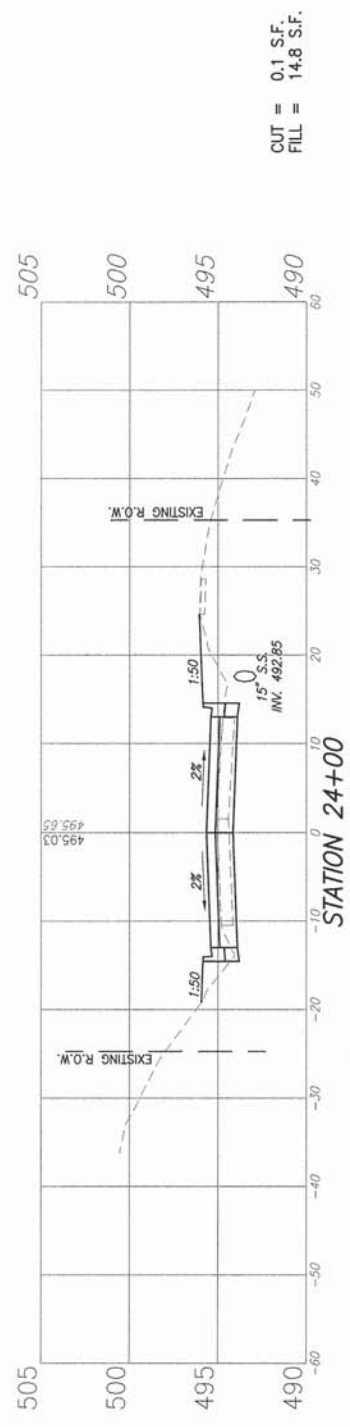


STATION 13+68
(ALLEY, RT.)

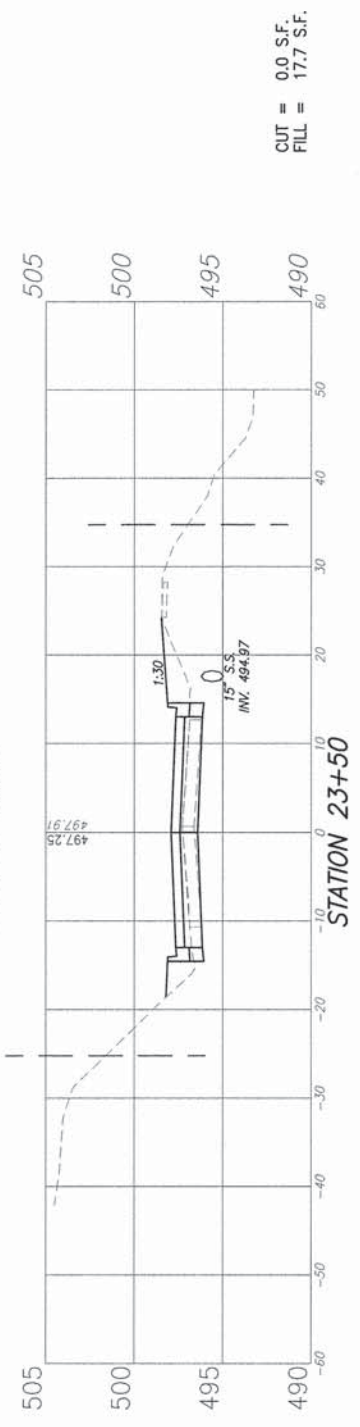
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	26
FEDERAL AID PROJECT		CONTRACT 97554		



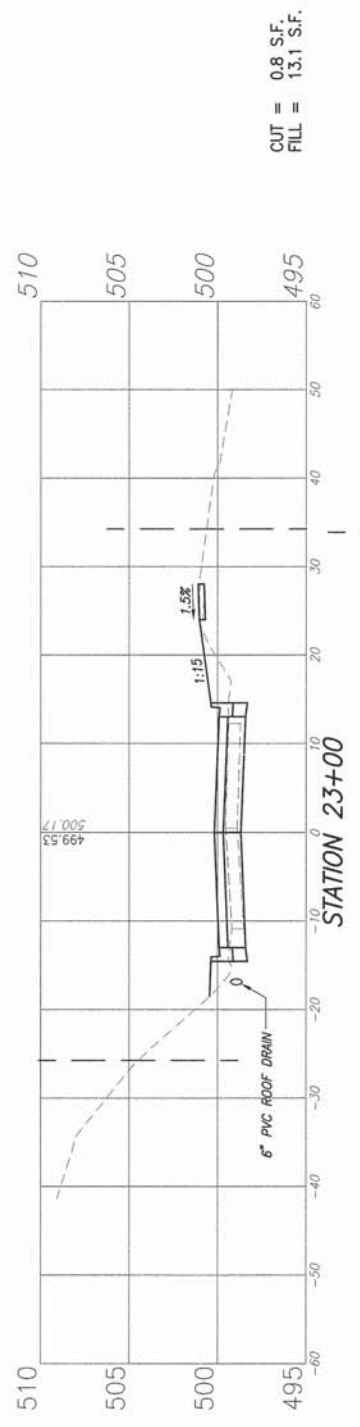
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	27
FEDERAL AID PROJECT		CONTRACT 97554		



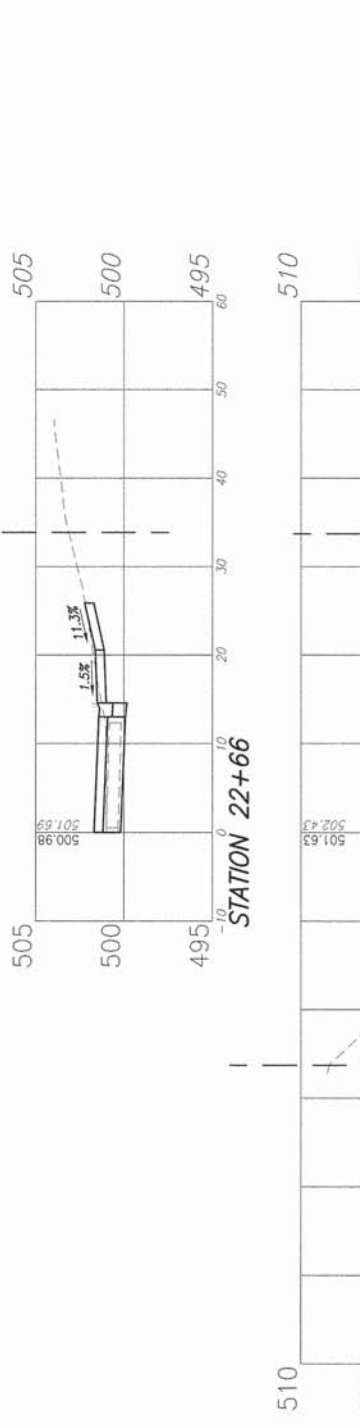
CUT = 0.1 S.F.
FILL = 14.8 S.F.



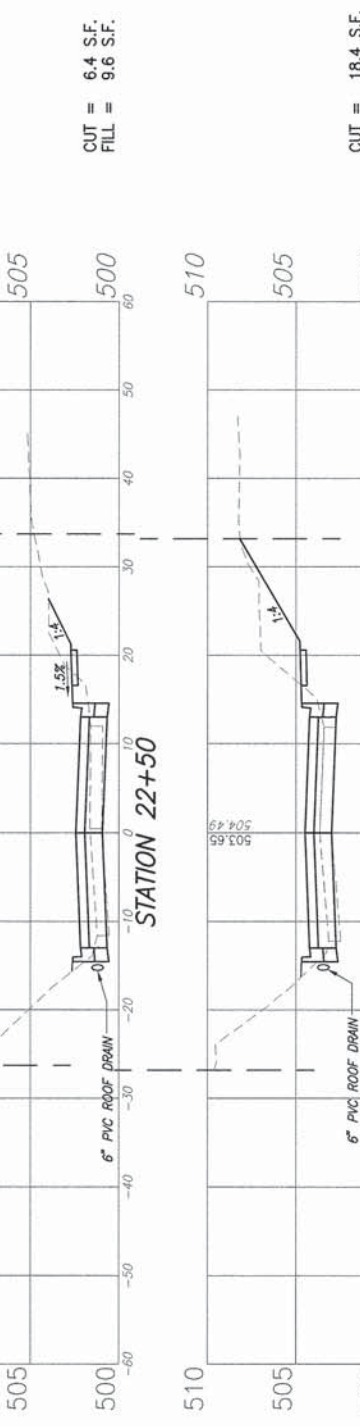
CUT = 0.0 S.F.
FILL = 17.7 S.F.



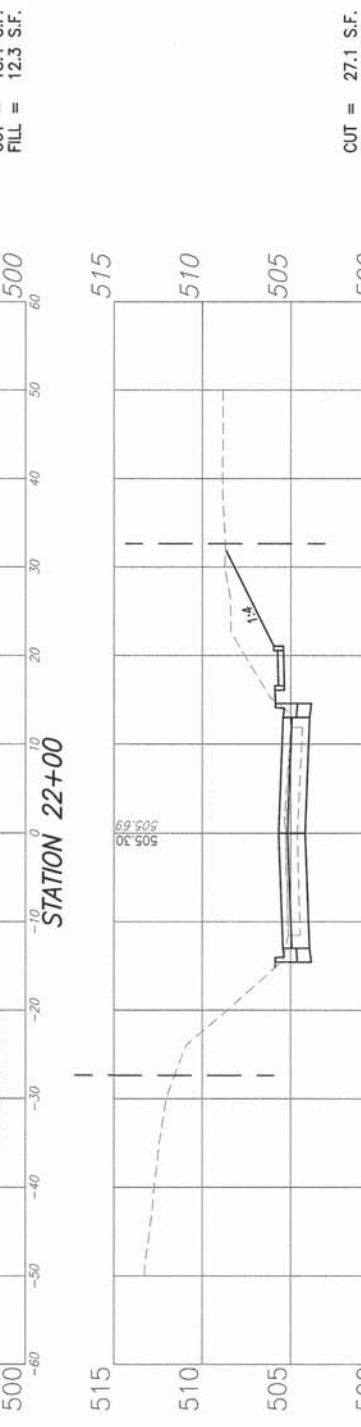
CUT = 0.8 S.F.
FILL = 13.1 S.F.



CUT = 6.4 S.F.
FILL = 9.6 S.F.



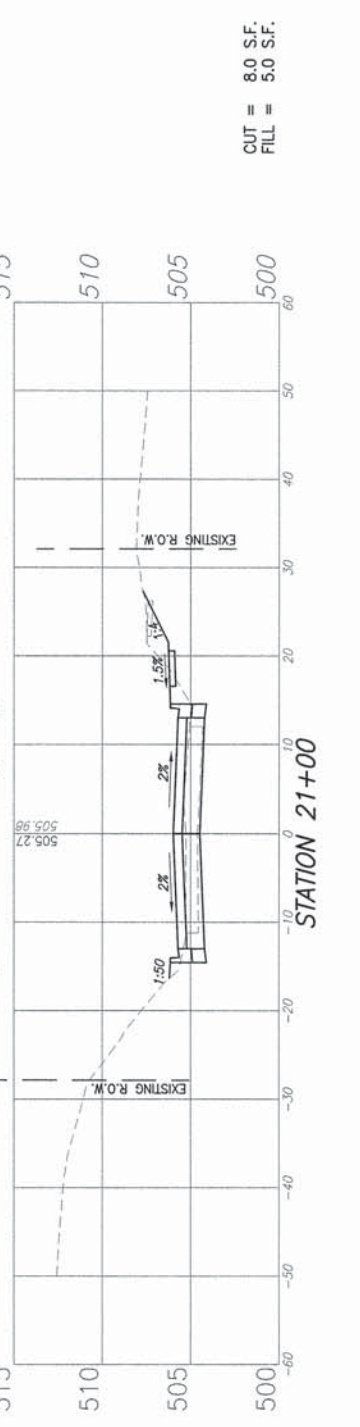
CUT = 18.4 S.F.
FILL = 12.3 S.F.



CUT = 27.1 S.F.
FILL = 0.0 S.F.

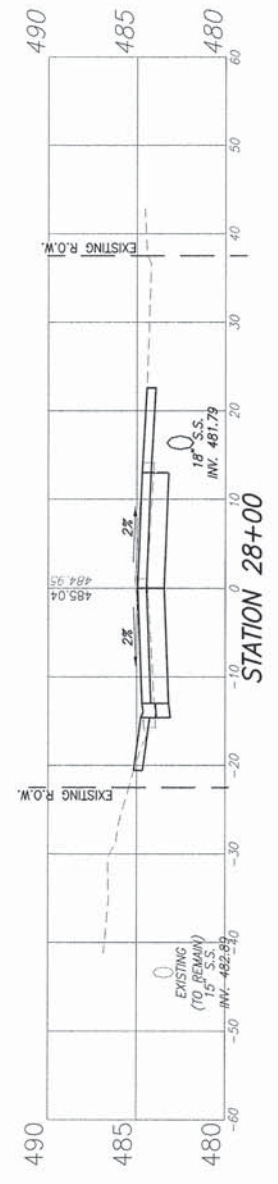


CUT = 8.0 S.F.
FILL = 5.0 S.F.

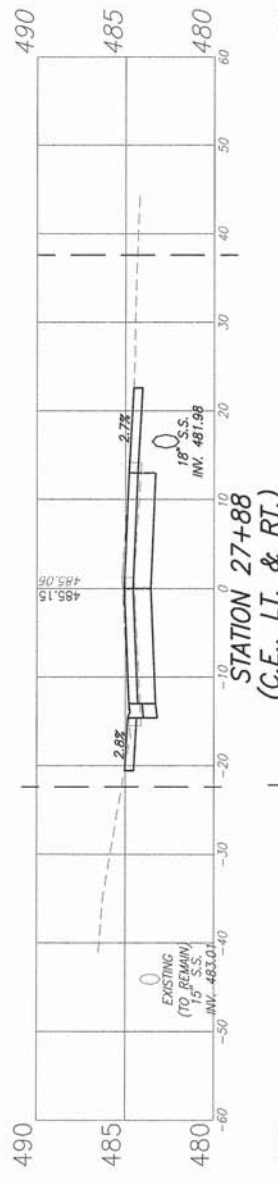


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	28
FEDERAL AID PROJECT		CONTRACT 97554		

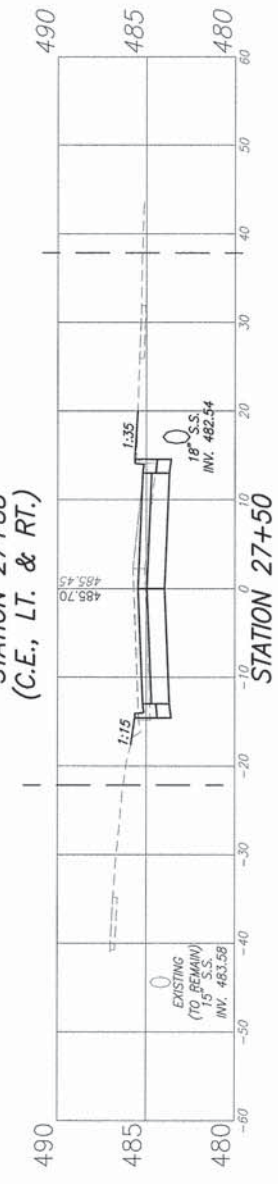
CUT = 16.2 S.F.
FILL = 0.0 S.F.



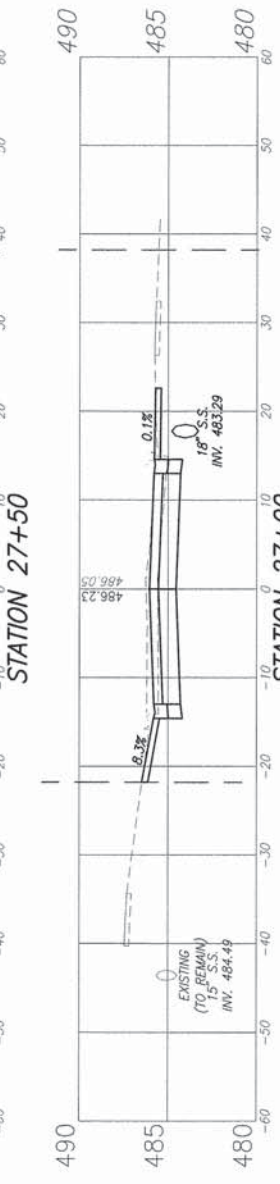
CUT = 21.8 S.F.
FILL = 0.9 S.F.



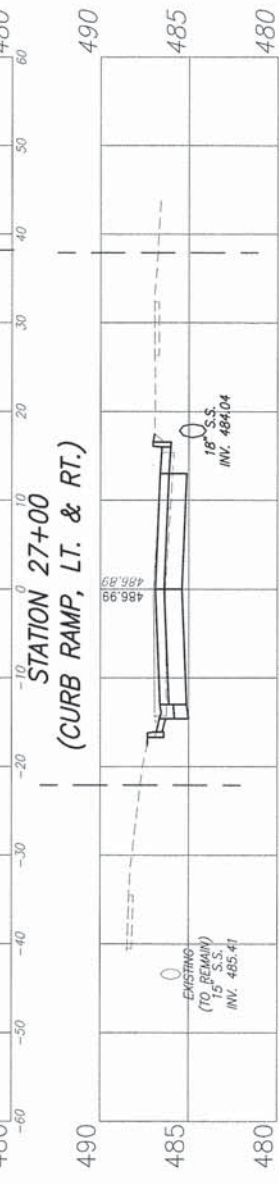
CUT = 21.5 S.F.
FILL = 0.0 S.F.



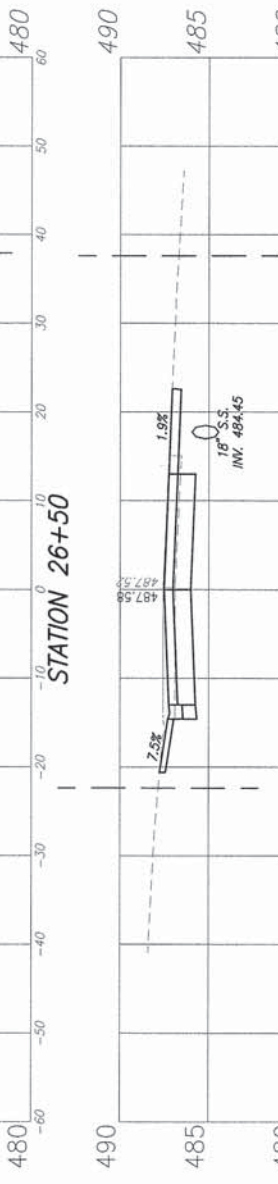
CUT = 21.5 S.F.
FILL = 0.0 S.F.



CUT = 19.0 S.F.
FILL = 0.4 S.F.



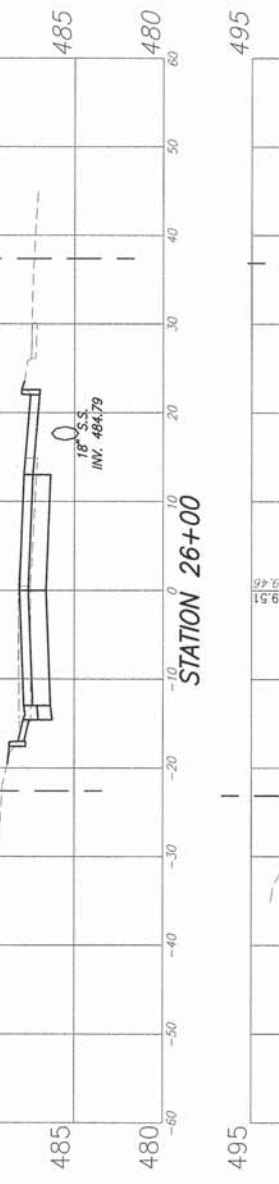
CUT = 17.4 S.F.
FILL = 0.2 S.F.



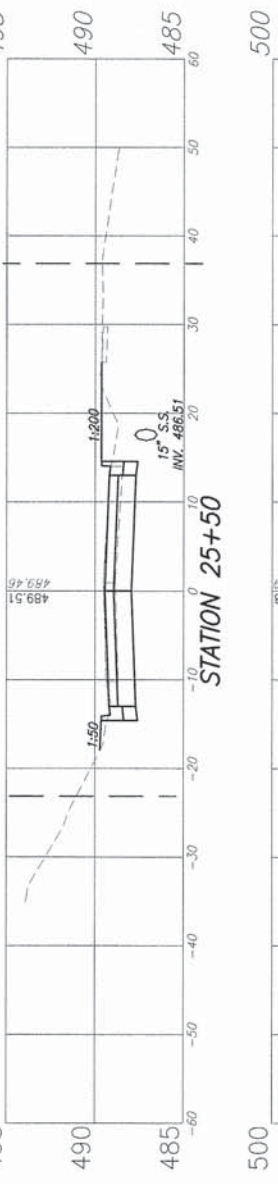
CUT = 16.2 S.F.
FILL = 6.0 S.F.



CUT = 12.5 S.F.
FILL = 7.8 S.F.

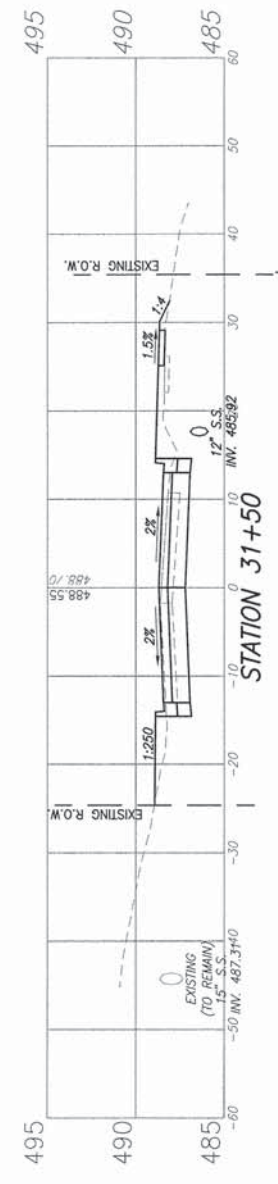


CUT = 2.3 S.F.
FILL = 11.1 S.F.



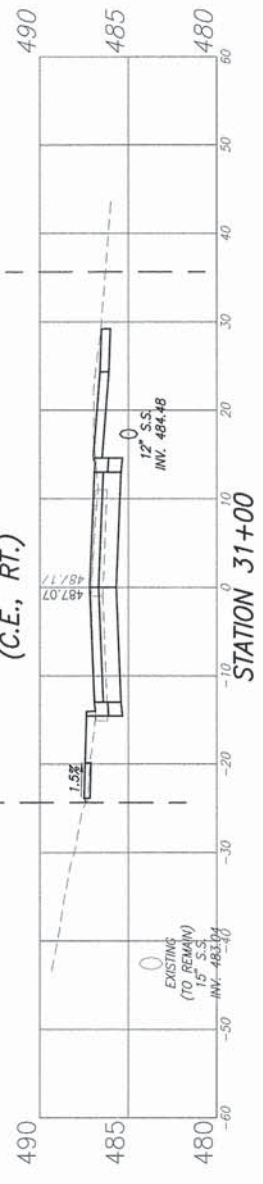
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	29
FEDERAL AID PROJECT		CONTRACT 97554		

CUT = 10.1 S.F.
FILL = 10.7 S.F.



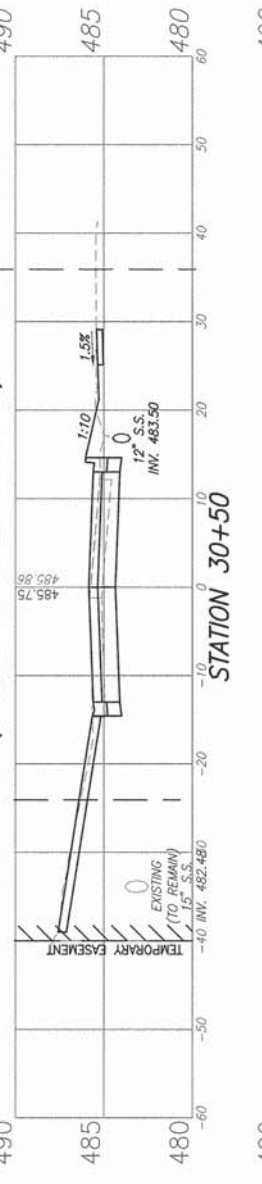
STATION 31+50
(C.E., RT.)

CUT = 14.4 S.F.
FILL = 2.1 S.F.



STATION 31+00
(C.E., LT. SKEWED 44°11'10")

CUT = 14.1 S.F.
FILL = 3.2 S.F.



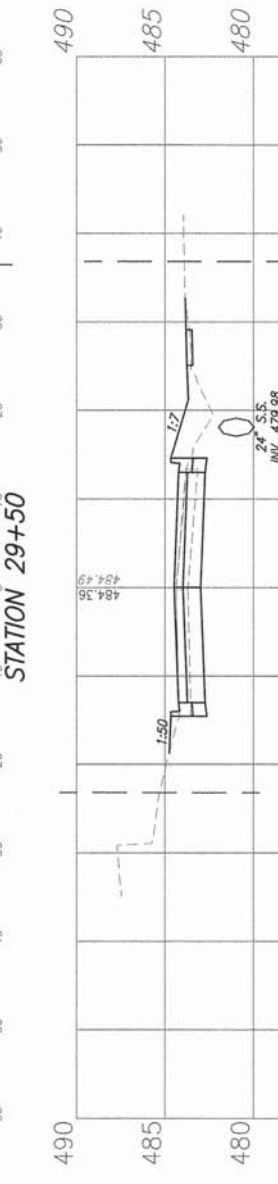
STATION 30+50
(C.E., LT. SKEWED 44°11'10")

CUT = 11.1 S.F.
FILL = 10.1 S.F.



STATION 29+50
(C.E., LT. SKEWED 44°11'10")

CUT = 11.2 S.F.
FILL = 11.4 S.F.



STATION 28+50
(C.E., LT. SKEWED 44°11'10")

CUT = 10.2 S.F.
FILL = 12.1 S.F.



STATION 28+29
(C.E., LT. SKEWED 33°26'56")

CUT = 17.3 S.F.
FILL = 9.2 S.F.



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9341	08-00019-00-PV	ST. CLAIR	30	30
FEDERAL AID PROJECT		CONTRACT 97554		

