03-04-2016 LETTING ITEM 101

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST. CLAIR	21	1
FEDERAL AID PROJECT		CONTRACT 97584		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED LOCAL AGENCY PROJECT

SURFACE TRANSPORTATION/ENHANCEMENT PROGRAM
EXIT 14 AESTHETICS IMPROVEMENT PROJECT
SECTION 10-00062-00-LS
PROJECT NO. TE-00D8(180)
CITY OF O'FALLON, ILLINOIS
ST. CLAIR COUNTY
JOB NO. C-98-327-11

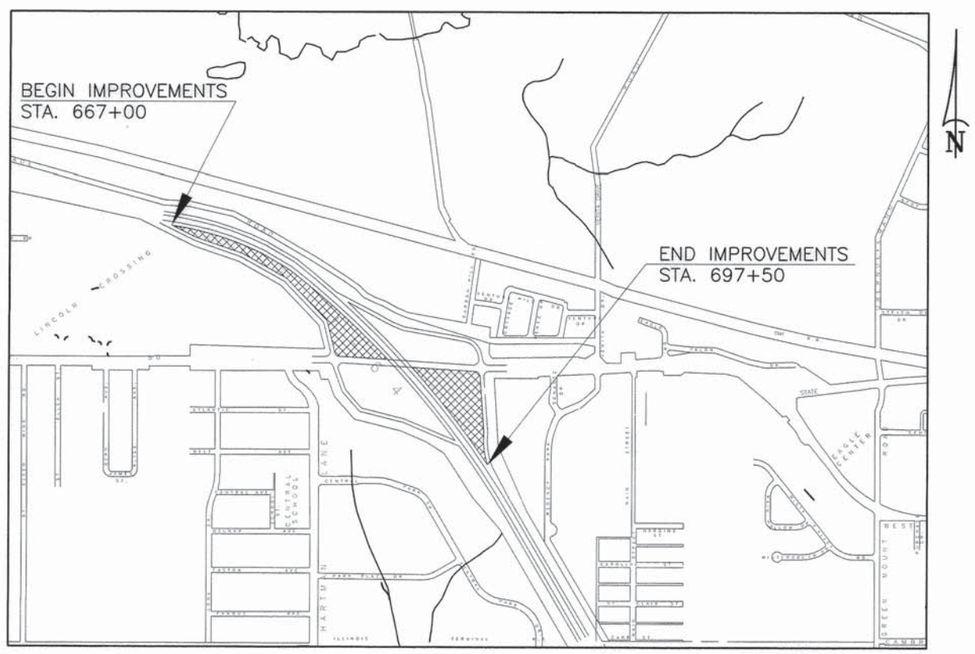
INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES, HIGHWAY STANDARDS AND UTILITIES
3. SUMMARY OF QUANTITIES
4. CONSTRUCTION SCHEDULES
5.–6. PLANTING LAYOUT & SITE PLAN
7.–8. TREE REMOVAL AND PRUNING PLANS
9.–10. SEEDING & EROSION CONTROL PLAN
11.–12. RETAINING WALL DETAILS
13. PLANTING DETAILS
14.–21. CROSS SECTIONS

SCALES:

PLAN	0 20 40
PROFILE HORIZ.	0 20 40
PROFILE VERT.	0 5 10
CROSS SECTION HORIZ.	0 10 20
CROSS SECTION VERT.	0 5 10

DESIGN DESIGNATION
CLASSIFICATION = INTERSTATE
DESIGN SPEED = 65 MPH



LOCATION MAP
NOT TO SCALE

PROPOSED IMPROVEMENTS

WESTBOUND EXIT 14 (STA. 686+00 TO STA. 697+50)	1150.00 FT.	= 0.218 MILES
EASTBOUND EXIT 14 (STA. 667+00 TO STA. 684+00)	1700.00 FT.	= 0.322 MILES
NET LENGTH OF IMPROVEMENT	2850.00 FT.	= 0.540 MILES

LOCATION OF PROJECT INDICATED THUS:

ILLINOIS
DEPARTMENT OF
TRANSPORTATION

APPROVED 11-3-15
DATE
Gary L. Graham
MAYOR, CITY OF O'FALLON

PASSED 1/7/16
DATE
DISTRICT EIGHT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW 1/7/16
DATE
DEPUTY DIRECTOR OF HIGHWAYS, REGION FIVE ENGINEER

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

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

Underground Cable

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

ANTHONY A. SCHENK
062-062740
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

Anthony A. Schenk
Anthony A. Schenk
11-3-15
Date of Signing
11-30-17
Date of License Expiration

PREPARED BY:
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

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST CLAIR	21	2
FEDERAL AID PROJECT		CONTRACT 97584		

GENERAL NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012.

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.

STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE SILT PANELS, ROLLED EXCELSIOR, SILT WEDGES OR ANY OTHER APPROVED MATERIAL BY THE ENGINEER.

THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL VEGETATION AFFECTING CONSTRUCTION WITHIN THE CONSTRUCTION LIMITS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE SPECIFICATIONS. ALL TREES AND BRUSH SHALL BE DISPOSED OF OFFSITE WITHIN 7 DAYS OF REMOVAL.

THE CONTRACTOR SHALL BE AWARE THAT THERE ARE PIPE UNDERDRAINS AND HEADWALLS LOCATED WITHIN THE CONSTRUCTION LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS TO ENSURE THESE ITEMS ARE NOT DAMAGED. ANY ITEM DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AND AT HIS OR HER OWN EXPENSE.

EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH STEADY BURNING LIGHTS.

EXPRESSWAY OR RAMP LANE CLOSURES WILL NOT BE ALLOWED.

AN ESTIMATED QUANTITY OF 50 FEET FOR "LOCATING UNDERGROUND UTILITIES" HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF UTILITY EXPLORATION AT LOCATION OF POTENTIAL CONFLICT.

TREE PRUNING SHALL TAKE PLACE BETWEEN OCTOBER 15 AND APRIL 15.

IDOT IS NOT A MEMBER OF J.U.L.I.E.

APPLICABLE IDOT HIGHWAY STANDARDS:

280001-07
606401-01
630001-10
701001-02
701006-05
701101-04
701106-02
701901-04

BENCHMARKS

TBM 3-31-11 "B" = ELEVATION 558.34
STATION 679+02 (I-64), 519' RT

CHISELED "X' ON N.W. CORNER OF CAST IRON FRAME OF TRAFFIC SIGNAL BOX ON CENTER MEDIAN OF US 50 AT ON/OFF RAMPS FROM I-64; ± 25' EAST OF SIGNAL ARM AT N.W. QUADRANT.

TBM 3-31-11 "D" = ELEVATION 567.04
STATION 688+63 (I-64), 590' LT

CHISELED "X' ON TOP OF N.W. BOLT AT BASE PLATE OF LIGHT POLE. SOUTH SIDE OF U.S. ROUTE 50, EAST OF SIGNAL LIGHTS, EAST SIDE OF I-64.

TBM 3-31-11 "E" = ELEVATION 548.92
STATION 679+15 (I-64), 212' LT

CHISELED "X' ON EAST RIM OF STEEL AREA INLET LID, NORTH SIDE OF FRONTAGE ROAD, NORTH SIDE OF I-64 NEAR S.W. CORNER OF CONCRETE PARKING LOT OF 1354 FRONTAGE ROAD (CUSTOM CAR & TRUCK).

HORIZONTAL CONTROL

CP# 28 - 3/8" IRON PIN W/YELLOW CAP STAMPED R AND A PLS 2579
N = 700596.13
E = 2360886.27

CP# 29 - 3/8" IRON PIN W/YELLOW CAP STAMPED R AND A PLS 2579
N = 700605.71
E = 2360813.64

CP# 31 - 3/8" IRON PIN W/YELLOW CAP STAMPED R AND A PLS 2579
N = 701046.03
E = 2360787.89

CP# 32 - 3/8" IRON PIN W/YELLOW CAP STAMPED R AND A PLS 2579
N = 701790.82
E = 2359877.16

CP# 33 - 3/8" IRON PIN W/YELLOW CAP STAMPED R AND A PLS 2579
N = 701833.40
E = 2359271.02

UTILITY TYPE	NAME OF UTILITY	PHONE NUMBER	CONTACT NAME
ELECTRIC	AMEREN IP	618-236-4309	JASON KLEIN
GAS	AMEREN IP	618-236-4309	JASON KLEIN
WATER/SEWER	CITY OF O'FALLON	618-624-4500	HEIDE BELL
TELEPHONE	AT&T	618-628-2957	DEAN LITZENBURG
FIBER OPTIC	AT&T	618-346-6422	LANCE OSBORNE
CABLE	CHARTER COMMUNICATIONS	618-387-6633	GARRY WARREN

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST CLAIR	21	3
FEDERAL AID PROJECT		CONTRACT 97584		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	333
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	172
	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	20
	20101700	SUPPLEMENTAL WATERING	UNIT	4
	20200100	EARTH EXCAVATION	CU YD	703
	20400800	FURNISHED EXCAVATION	CU YD	994
	25000210	SEEDING, CLASS 2A	ACRE	1.9
	25003210	INTERSEEDING, CLASS 2A	ACRE	8.0
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	171
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	171
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	171
	25000750	MOWING	ACRE	9.9
	25100115	MULCH, METHOD 2	ACRE	1.9
	25100630	EROSION CONTROL BLANKET	SQ YD	2304
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	190
	28000305	TEMPORARY DITCH CHECKS	FOOT	12
	28000500	INLET AND PIPE PROTECTION	EACH	2
*	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	601
*	42001300	PROTECTIVE COAT	SQ YD	601
*	50104400	CONCRETE HEADWALL REMOVAL	EACH	1
*	60615400	PAVED DITCH, TYPE A-15	FOOT	92
*	60616120	PAVED DITCH, TYPE A-37	FOOT	312
*	60616800	PAVED DITCH, TYPE B-15	FOOT	325
	67100100	MOBILIZATION	L SUM	1
*	80300100	LOCATING UNDERGROUND CABLE	FOOT	2,500
	A2005520	TREE, NYSSA SLVATICA (BLACK TUPELO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	15
	A2007620	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6
	B2003516	TREE, MALUS HARVEST GOLD (HARVEST GOLD CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6
	B2005216	TREE, MALUS SUTYZAM (SUGAR THYME CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4
	C2004840	SHRUB, PHYSOCARPA OPULIFOLIUS MONLO (DIABLO NINEBARK) 3' HEIGHT, BALLED AND BURLAPPED	EACH	88
	K0012950	HERBICIDE SPRAYING	ACRE	8.0
	K0013020	PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT	UNIT	2.3
	K1003679	MULCH	CU YD	120
	X0327235	LOCATING UNDERGROUND UTILITIES	FOOT	50
	X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	248
*	X5420636	PIPE CULVERTS TO BE CLEANED 36"	FOOT	450
*	X5420642	PIPE CULVERTS TO BE CLEANED 42"	FOOT	205
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
	Z0043750	PRECAST MODULAR BLOCK WALL	SQ FT	1509
	A2007621	TREE, TAXODIUM ASCENDENS (POND CYPRESS), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	15

* SPECIALTY ITEM

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST. CLAIR	21	4
FEDERAL AID PROJECT		CONTRACT 97584		

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	FURNISHED EXCAVATION
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
NW QUADRANT	443	---	332	1521	-1189	1,189
SE QUADRANT	260	---	195	0	+195	-195
TOTAL	703	---	527	1521	-994	994

PLANT SCHEDULE

ABBREVIATION	BOTANICAL NAME	COMMON NAME	NW QUADRANT	SE QUADRANT	TOTAL	SIZE
TREE						
HG	MALUS HARVEST GOLD	HARVEST GOLD CRABAPPLE	3	3	6	2" BB
MS	MALUS SUTYZAM	SUGAR THYME CRABAPPLE	2	2	4	2" BB
NS	NYSSA SLVATICA	BLACK TUPELO	9	6	15	2-1/2" BB
TA	TAXIDOM ASCENDENS	POND CYPRESS	10	5	15	2-1/2" BB
TD	TAXIDOM DISTICHUM	BALD CYPRESS	6	0	6	2-1/2" BB
SHRUB						
PO	PHYSOCARPA OPULIFOLIOUS MONLO	DIABLO NINEBARK	44	44	88	CONT. 36" HT.
PERENNIAL GRASS						
PV	PANICUM VIRGATUM "SHENANDOAH"	SWITCHGRASS	115	115	230	1-GALLON

DRAINAGE STRUCTURE CLEANING SCHEDULE

LOCATION	DESCRIPTION	PIPE CULVERT TO BE CLEANED, 36"	PIPE CULVERT TO BE CLEANED, 42"
		FOOT	FOOT
STA. 678+04, 100 RT TO 105 LT	42" RCCP		205
STA. 678+04, 100 RT TO 105 LT	36" RCCP	450 (2 PIPES)	
TOTAL		450	205

TREE REMOVAL AND PRUNING SCHEDULE

LOCATION	TREE REMOVAL (6 TO 15 UNITS)	TREE REMOVAL (OVER 15 UNITS)	TREE PRUNING (OVER 10 INCH DIAMETER)
	UNIT	UNIT	EACH
NW QUADRANT	243	172	0
SE QUADRANT	90	0	20
TOTAL	333	172	20

SEEDING / EROSION CONTROL

LOCATION	SEEDING CLASS 2A	INTERSEEDING CLASS 2A	MULCH METHOD 2	FERTILIZER NUTRIENTS NITROGEN	FERTILIZER NUTRIENTS PHOSPHORUS	FERTILIZER NUTRIENTS POTASSIUM	TEMPORARY EROSION CONTROL SEEDING	INLET AND PIPE PROTECTION	TEMPORARY DITCH CHECK	EROSION CONTROL BLANKET
	ACRE	ACRE	ACRE	POUND	POUND	POUND	POUND	EACH	FOOT	SQ YD
NW QUADRANT	1.50	3.90	1.50	135	135	135	150	1	12	368
STA. 667+00 TO 684+00										
SE QUADRANT	0.40	4.10	0.40	36	36	36	40	1	0	1936
STA. 686+00 TO 697+50										
TOTAL	1.90	8.00	1.90	171	171	171	190	2	12	2304

TOP SOIL FURNISH AND PLACE SPECIAL

LOCATION	TREES	SHRUBS	PERENNIALS	RETAINING WALL	TOTAL
	CY	CY	CY	CY	CY
NW QUADRANT	30	11	20	70	131
SE QUADRANT	16	11	20	70	117
TOTAL	46	22	40	140	248

RETAINING WALL SCHEDULE

LOCATION	PRECAST MODULAR BLOCK WALL AREA
	SQ FT
NW QUADRANT	
TOP WALL	350
BOTTOM WALL	404
SE QUADRANT	
TOP WALL	441
BOTTOM WALL	314
TOTAL	1509

PROTECTIVE COAT SCHEDULE

LOCATION	PROTECTIVE COAT AREA
	SQ YD
NW QUADRANT	
PAVED DITCH TYPE A-37	336
PAVED DITCH TYPE A-15	50
SE QUADRANT	
PAVED DITCH TYPE B-15	215
TOTAL	601

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST CLAIR	21	5
FEDERAL AID PROJECT		CONTRACT 97584		

N.W. QUADRANT
EXIT 14
O'FALLON, ILLINOIS

50 0 50 100
SCALE FEET

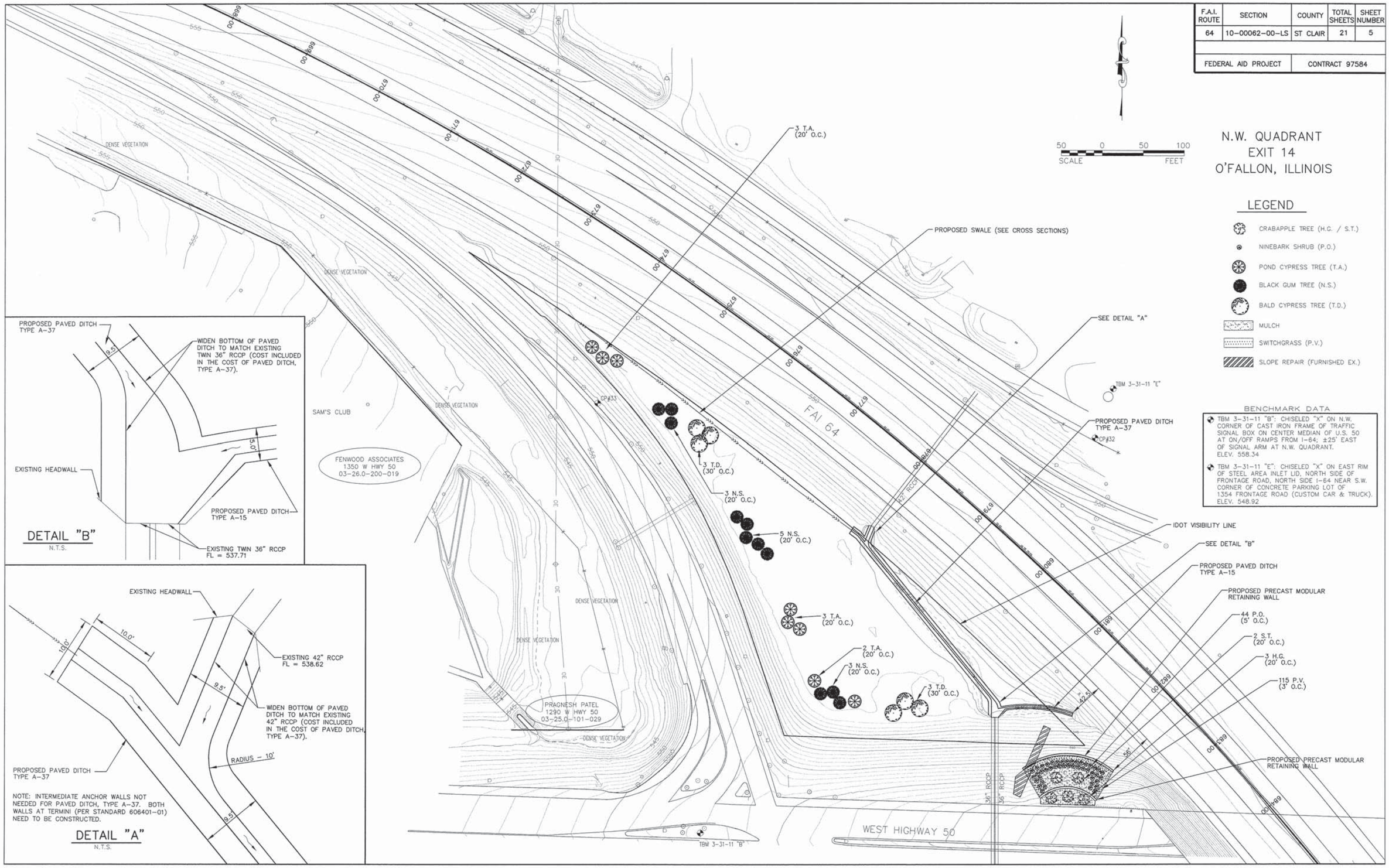
LEGEND

- CRABAPPLE TREE (H.G. / S.T.)
- NINEBARK SHRUB (P.O.)
- POND CYPRESS TREE (T.A.)
- BLACK GUM TREE (N.S.)
- BALD CYPRESS TREE (T.D.)
- MULCH
- SWITCHGRASS (P.V.)
- SLOPE REPAIR (FURNISHED EX.)

BENCHMARK DATA

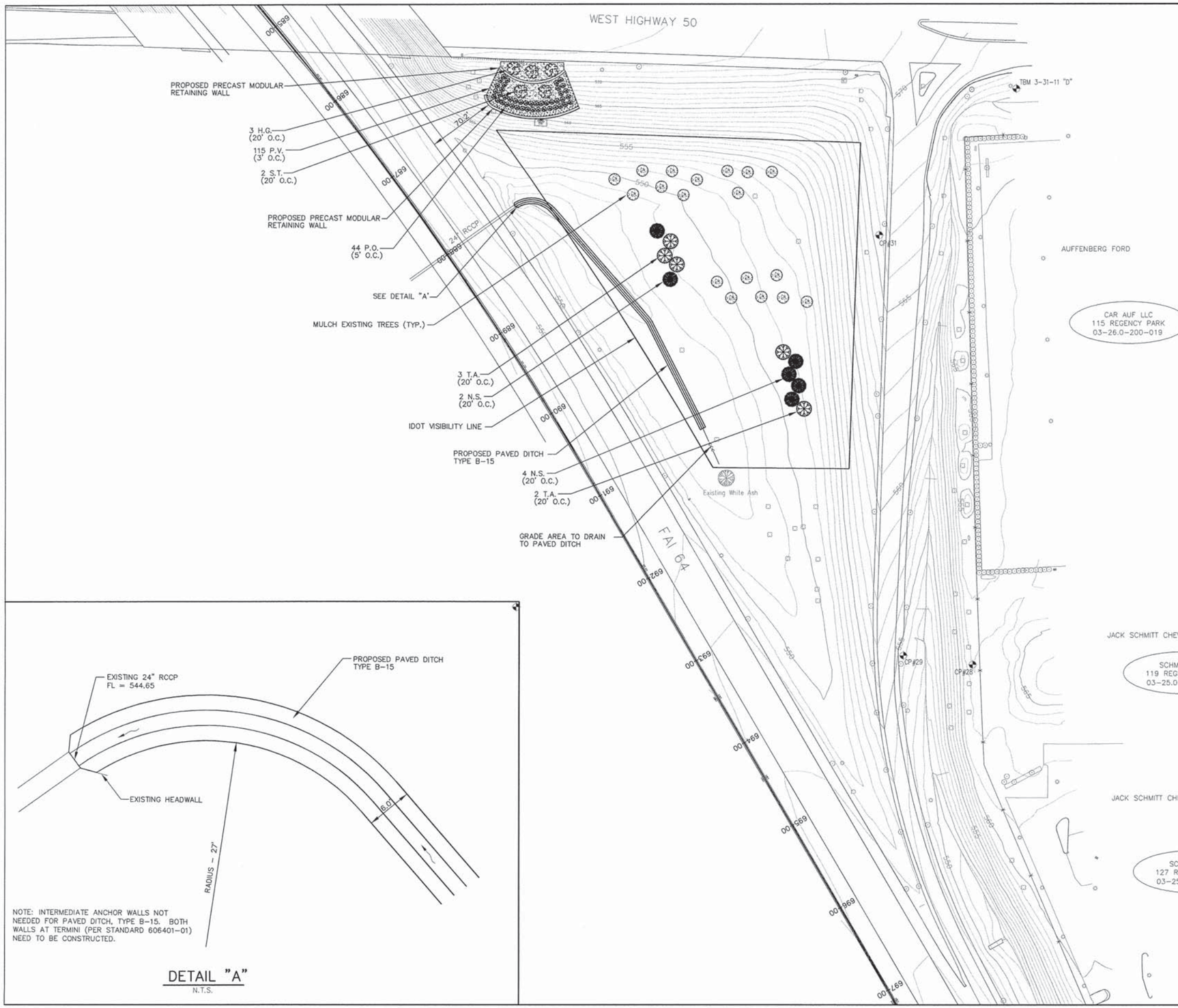
TBM 3-31-11 "B": CHISELED "X" ON N.W. CORNER OF CAST IRON FRAME OF TRAFFIC SIGNAL BOX ON CENTER MEDIAN OF U.S. 50 AT ON/OFF RAMPS FROM I-64; ±25' EAST OF SIGNAL ARM AT N.W. QUADRANT. ELEV. 558.34

TBM 3-31-11 "E": CHISELED "X" ON EAST RIM OF STEEL AREA INLET LID, NORTH SIDE OF FRONTAGE ROAD, NORTH SIDE I-64 NEAR S.W. CORNER OF CONCRETE PARKING LOT OF 1354 FRONTAGE ROAD (CUSTOM CAR & TRUCK). ELEV. 548.92



NORTHWEST PLANTING LAYOUT PLAN EXIT 14 AESTHETICS IMPROVEMENT PROJECT
SECTION 10-00062-00-LS ST CLAIR COUNTY ILLINOIS

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST CLAIR	21	6
FEDERAL AID PROJECT		CONTRACT 97584		



NOTE: INTERMEDIATE ANCHOR WALLS NOT NEEDED FOR PAVED DITCH, TYPE B-15. BOTH WALLS AT TERMINI (PER STANDARD 606401-01) NEED TO BE CONSTRUCTED.

DETAIL "A"

N.T.S.

50 0 50 100
SCALE FEET

S.E. QUADRANT
EXIT 14
O'FALLON, ILLINOIS

LEGEND

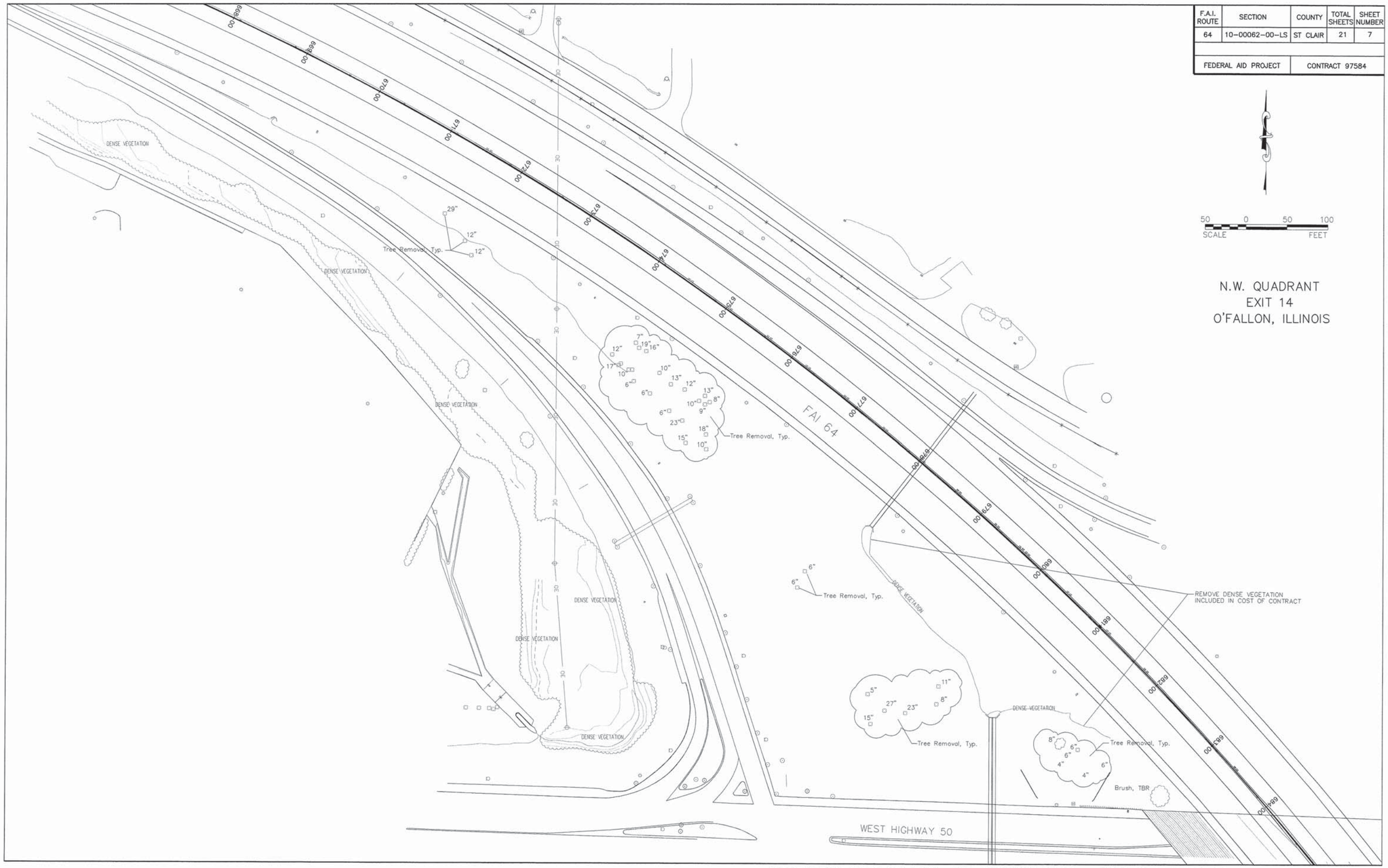
- CRABAPPLE TREE (H.G. / S.T.)
- NINEBARK SHRUB (P.O.)
- POND CYPRESS TREE (T.A.)
- BLACK GUM TREE (N.S.)
- MULCH
- SWITCHGRASS (P.V.)

BENCHMARK DATA

TBM 3-31-11 "D": CHISELED "X" ON TOP OF N.W. BOLT AT BASE PLATE OF LIGHT POLE. SOUTH SIDE OF U.S. ROUTE 50, EAST OF SIGNAL LIGHTS, EAST SIDE OF I-64. ELEV. 567.04

SOUTHEAST PLANTING LAYOUT PLAN EXIT 14 AESTHETICS IMPROVEMENT PROJECT
SECTION 10-00062-00-LS ST CLAIR COUNTY ILLINOIS

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST CLAIR	21	7
FEDERAL AID PROJECT		CONTRACT 97584		



NORTHWEST TREE REMOVAL AND PRUNING PLAN EXIT 14 AESTHETICS IMPROVEMENT PROJECT

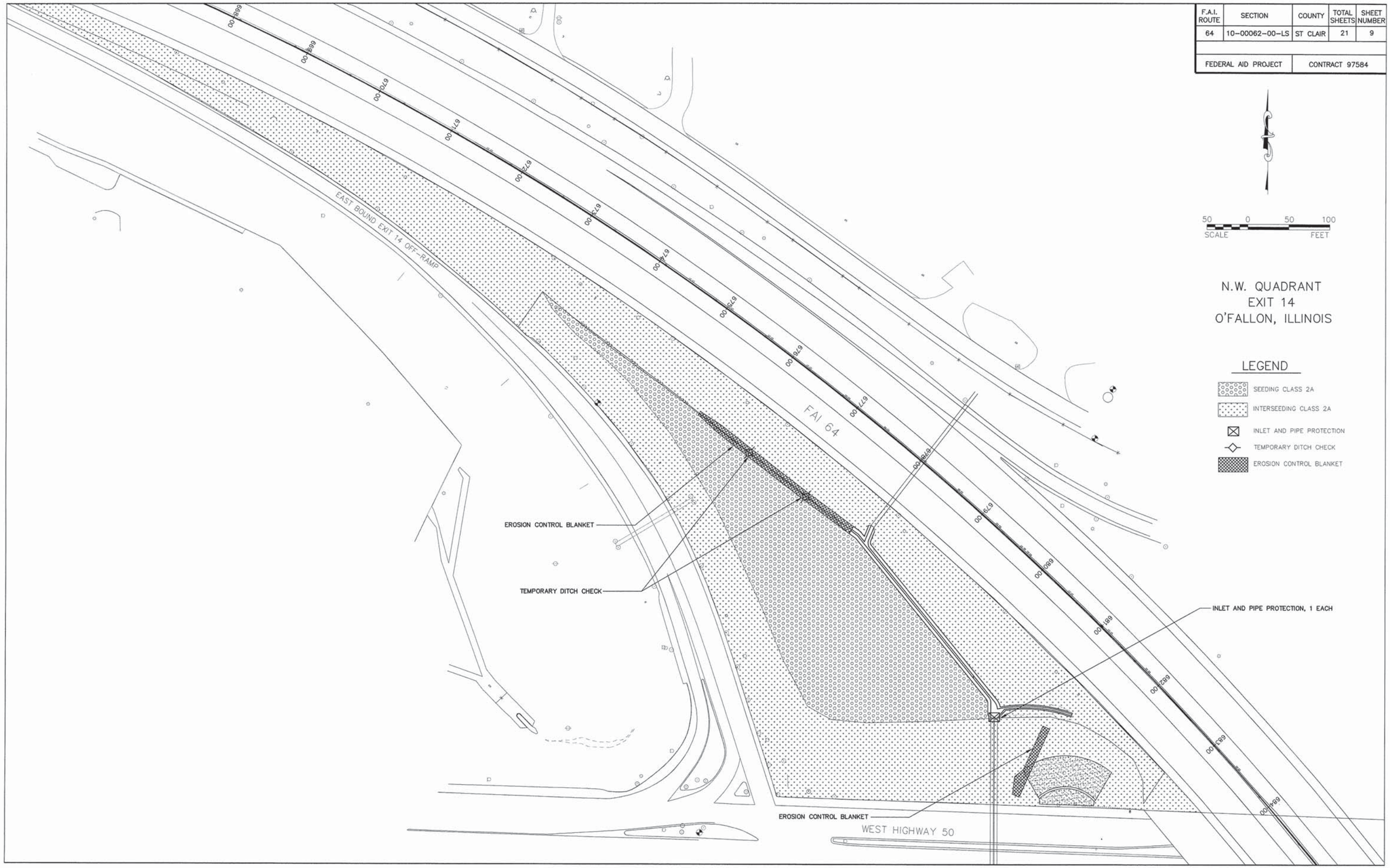
SECTION 10-00062-00-LS ST CLAIR COUNTY ILLINOIS

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST CLAIR	21	8
FEDERAL AID PROJECT		CONTRACT 97584		

S.E. QUADRANT
EXIT 14
O'FALLON, ILLINOIS

SOUTHEAST QUADRANT REMOVAL AND PRUNING PLAN EXIT 14 AESTHETICS IMPROVEMENT PROJECT
SECTION 10-00062-00-LS ST CLAIR COUNTY ILLINOIS

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST CLAIR	21	9
FEDERAL AID PROJECT		CONTRACT 97584		



NORTHWEST QUADRANT SEEDING AND EROSION CONTROL EXIT 14 AESTHETICS IMPROVEMENT PROJECT

SECTION 10-00062-00-LS ST CLAIR COUNTY ILLINOIS

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST CLAIR	21	10
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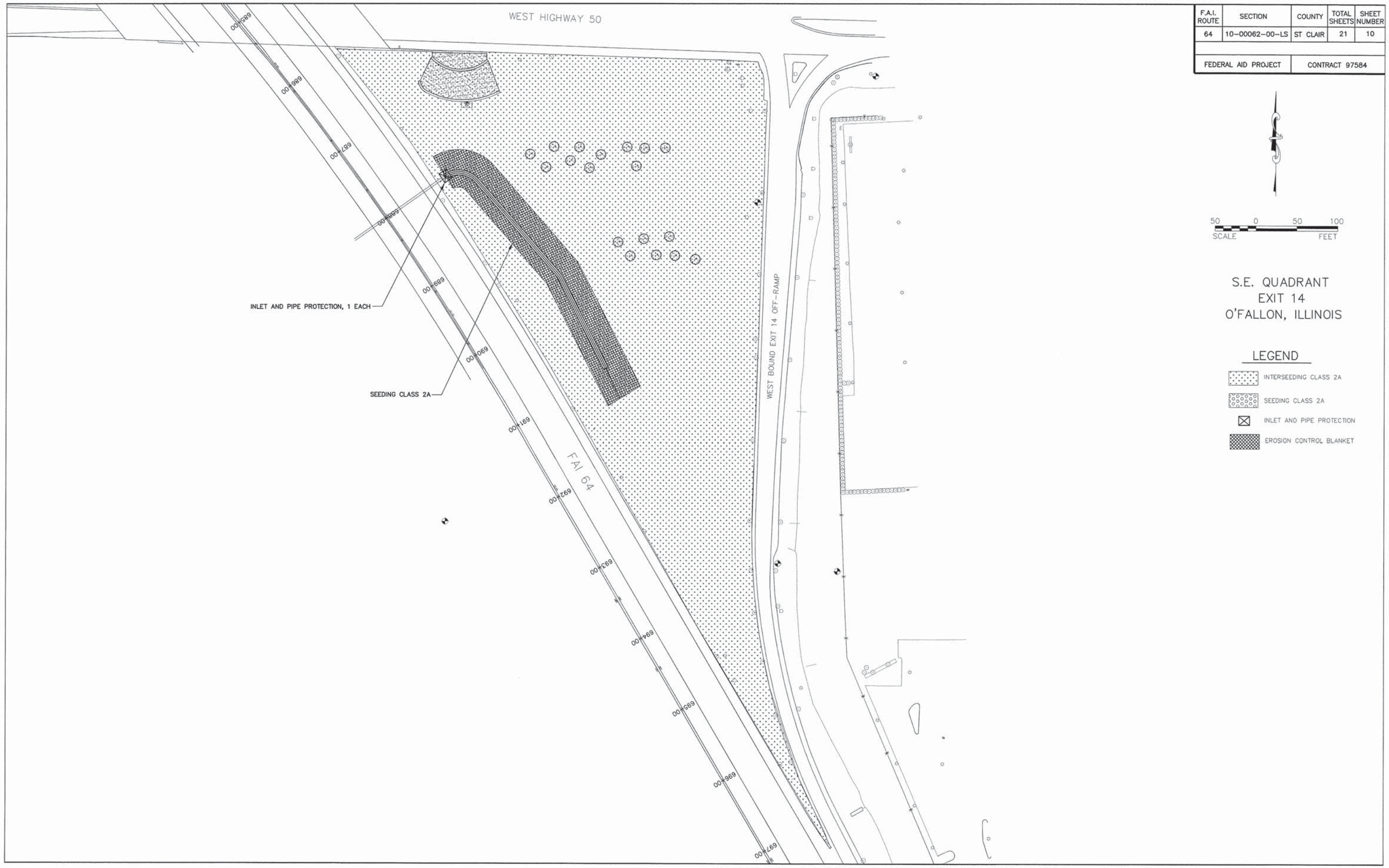

S.E. QUADRANT
EXIT 14
O'FALLON, ILLINOIS

LEGEND

- INTERSEEDING CLASS 2A
- SEEDING CLASS 2A
- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET

SOUTHEAST QUADRANT SEEDING AND EROSION CONTROL EXIT 14 AESTHETICS IMPROVEMENT PROJECT
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64	10-00062-00-LS	ST CLAIR	21	11
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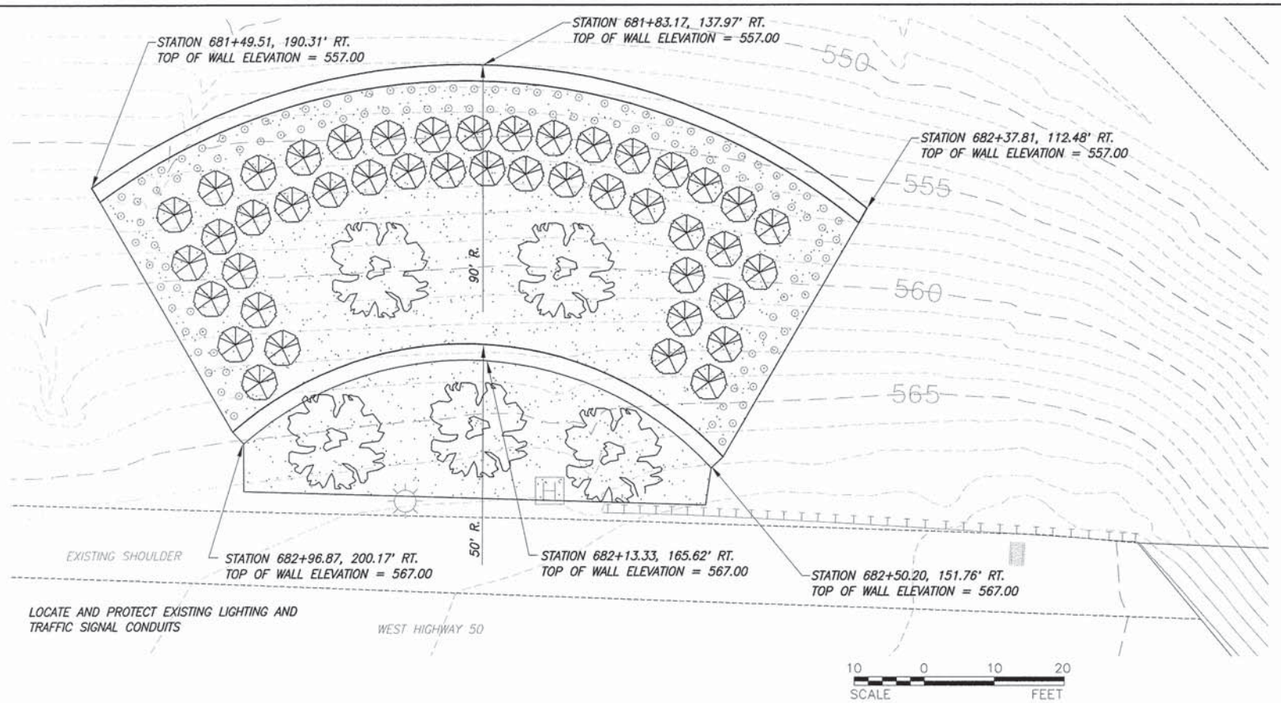
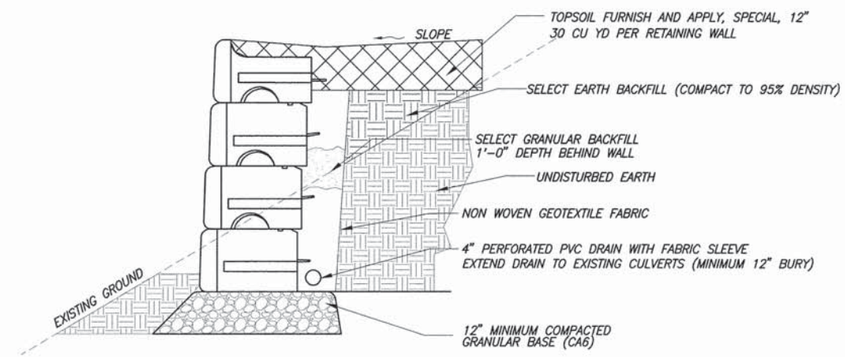


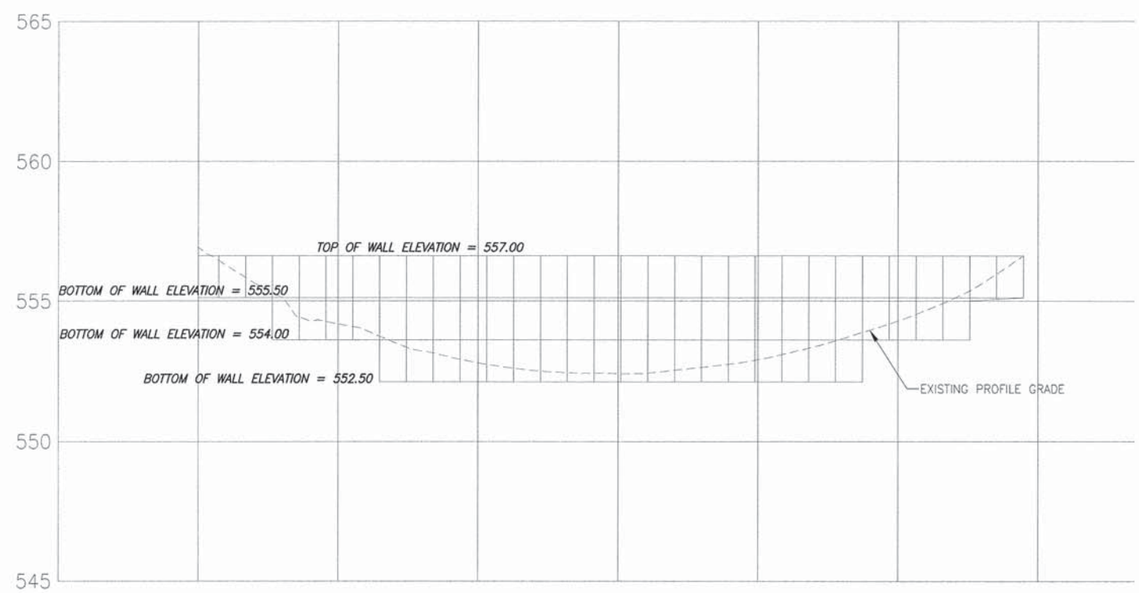
NORTHWEST QUADRANT



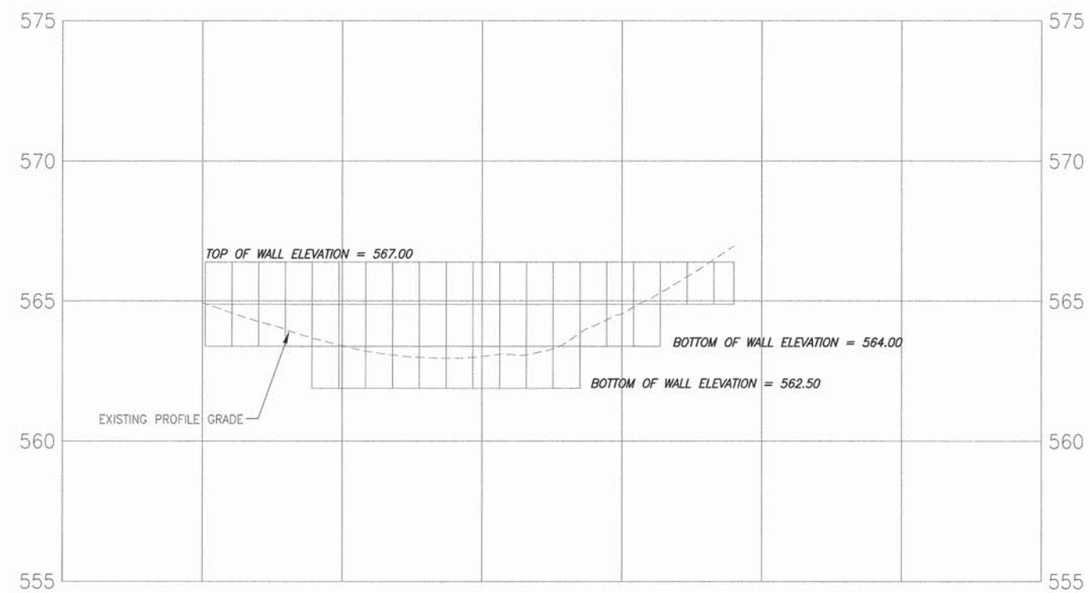
PRECAST MODULAR CONCRETE BLOCK WALL DETAIL

N.T.S.

MODULAR BLOCK WALL SHALL HAVE A LEDGESTONE PATTERN

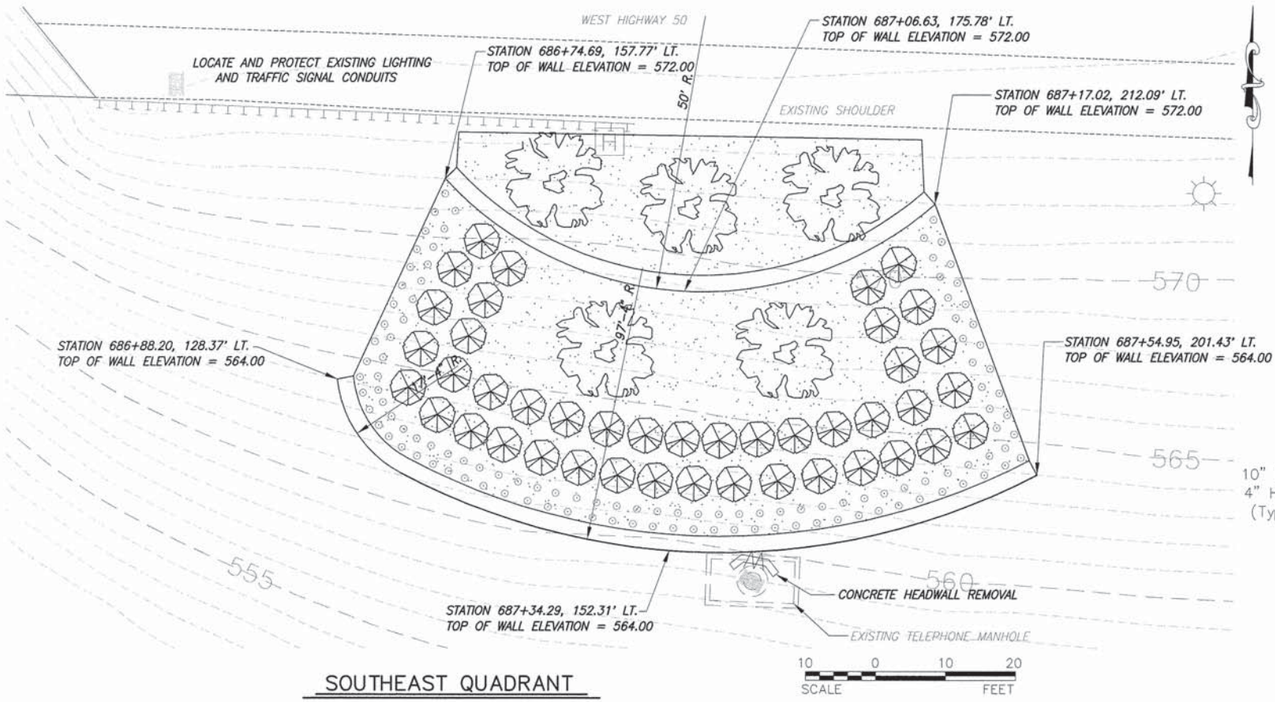


BOTTOM WALL PROFILE

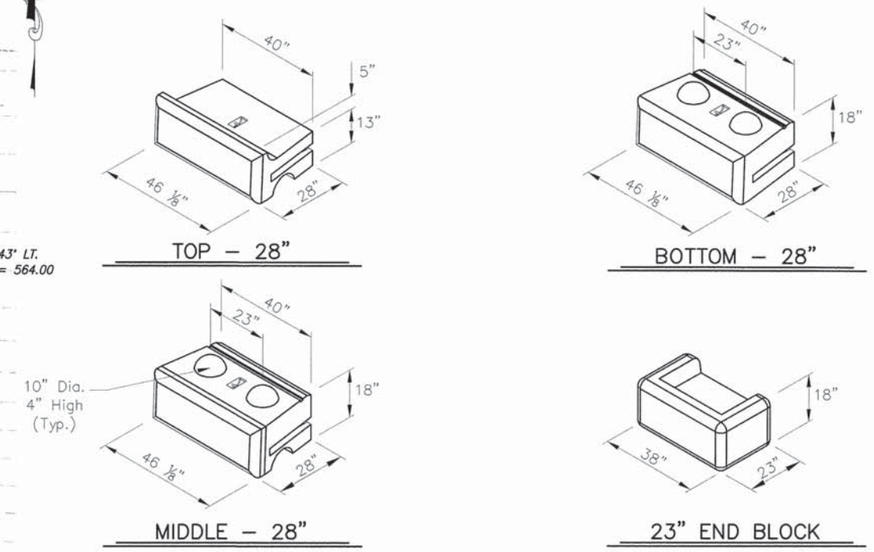


TOP WALL PROFILE

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST CLAIR	21	12
FEDERAL AID PROJECT		CONTRACT 97584		

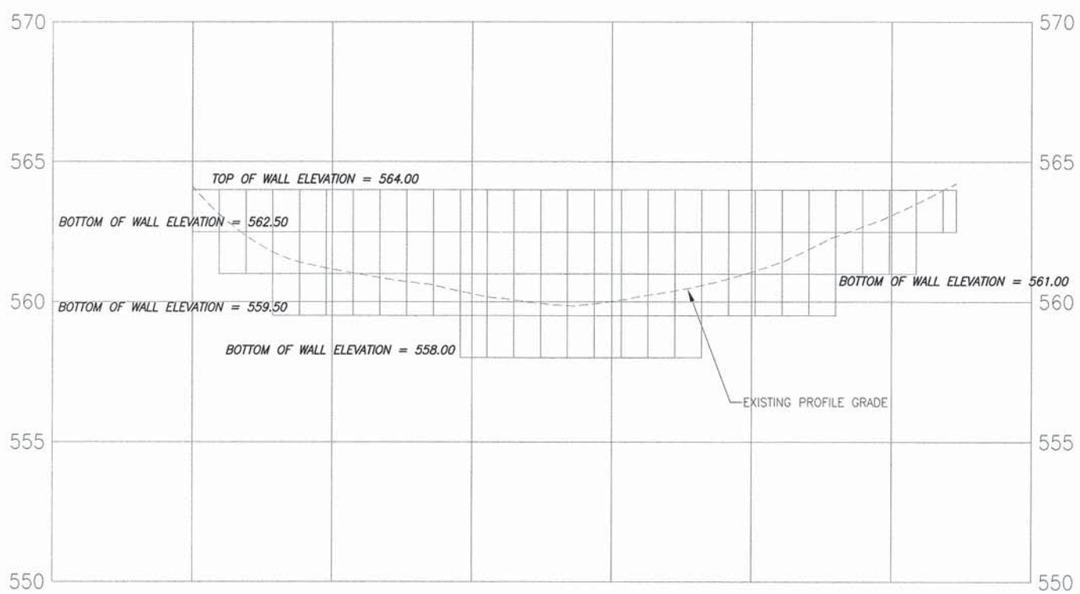


SOUTHEAST QUADRANT

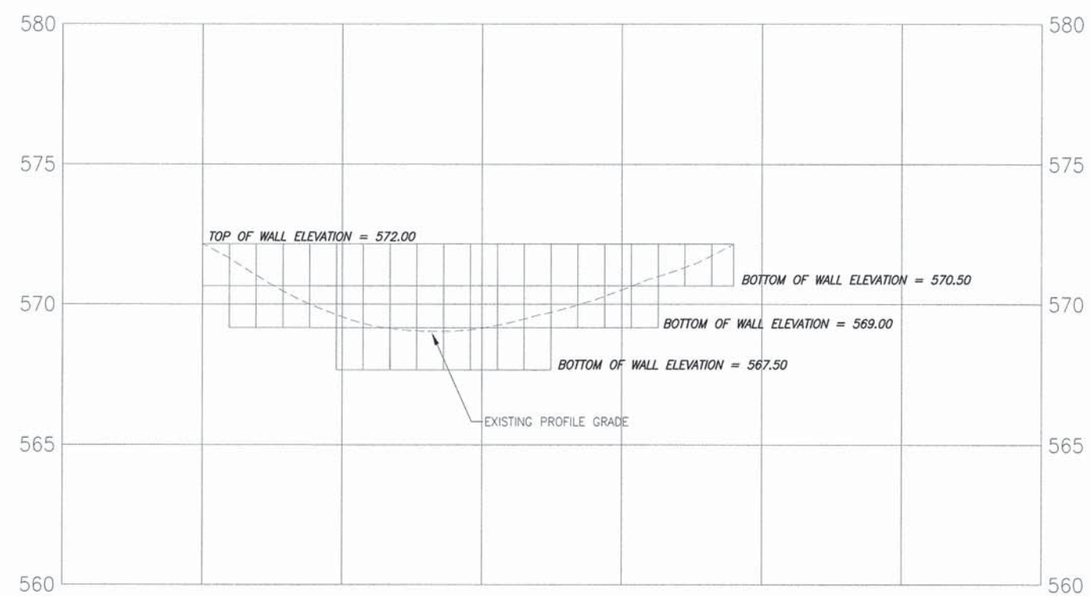


PRECAST MODULAR CONCRETE BLOCK DETAIL

N.T.S.



BOTTOM WALL PROFILE

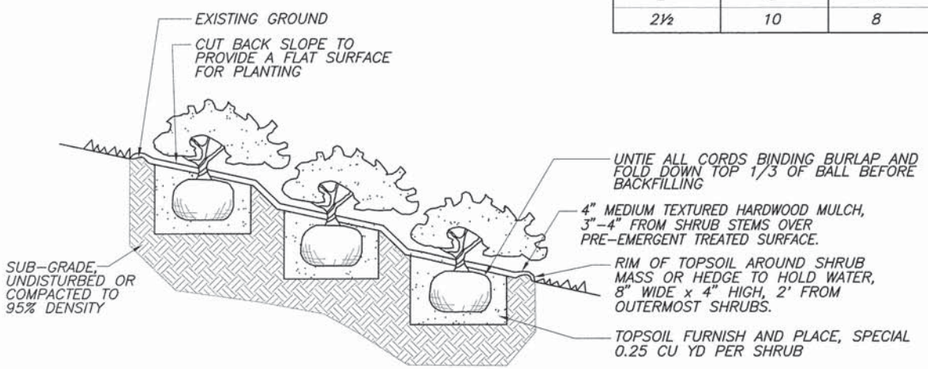


TOP WALL PROFILE

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST. CLAIR	21	13
FEDERAL AID PROJECT		CONTRACT 97584		

TREE PLANTING DIMENSION TABLE

TREE SIZE CALIPER (IN.)	SHRUB TREE HEIGHT (IN.)	EVERGREEN HEIGHT (IN.)	MIN. DIAMETER BALL (IN.)	MIN. DEPTH BALL (IN.)	HOLE DEPTH 2/3 BALL (IN.)	HOLE WIDTH 3xBALL DIA. (IN.)
½	3	2	12	12	8	36
2	9	7	24	24	16	72
2½	10	8	28	28	19	84



SHRUB BEDS AND HEDGES ON EMBANKMENT – MULTIPLE ROWS
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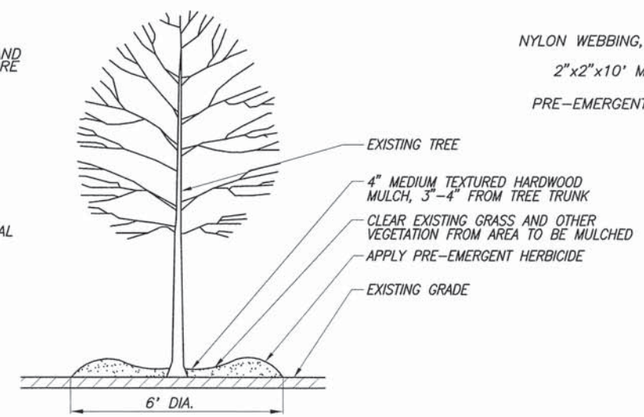
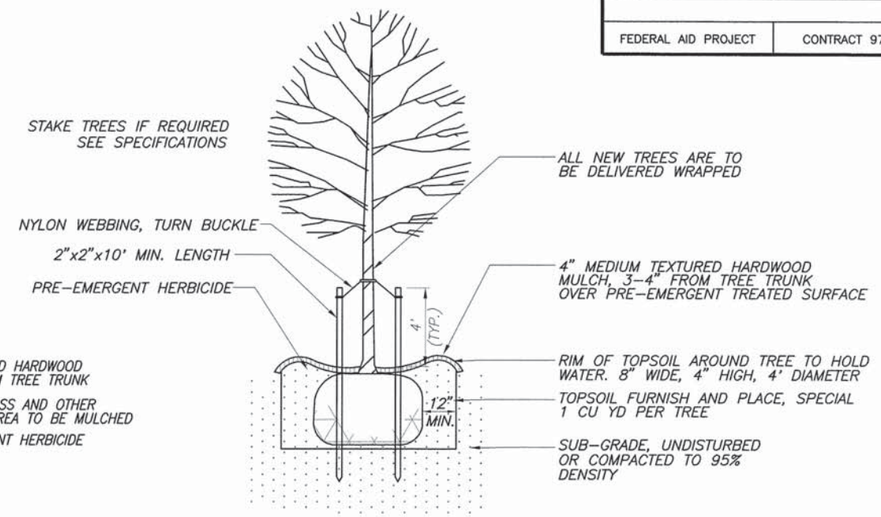
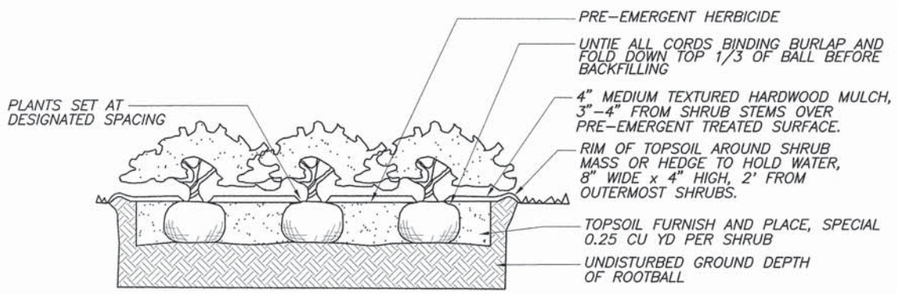


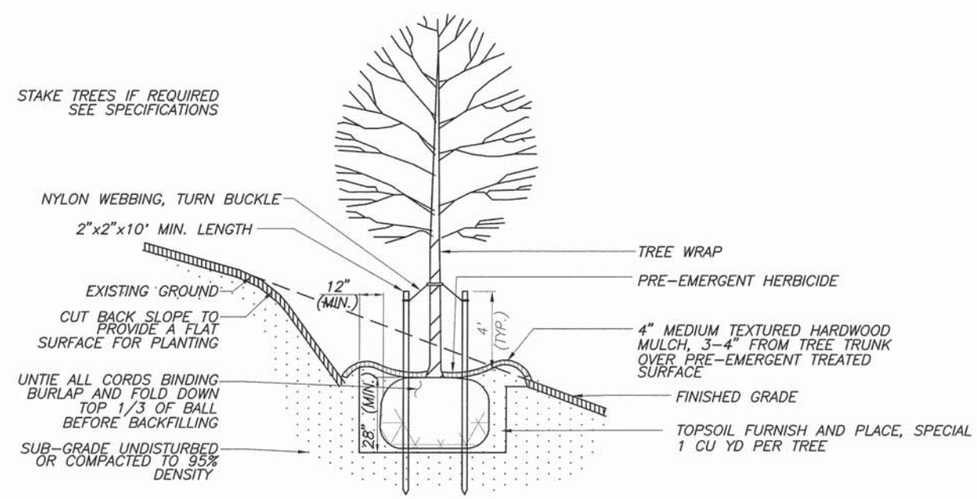
MULCH EXISTING TREE
N.T.S.



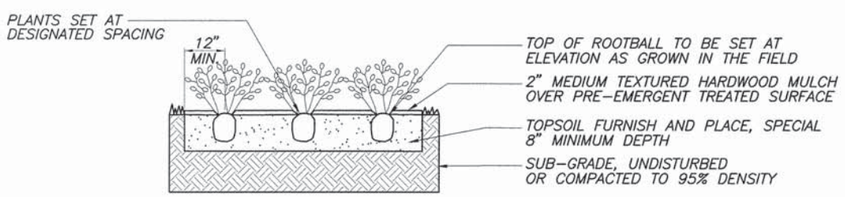
TREE PLANTING DETAIL
N.T.S.



SHRUB BEDS AND HEDGES
N.T.S.



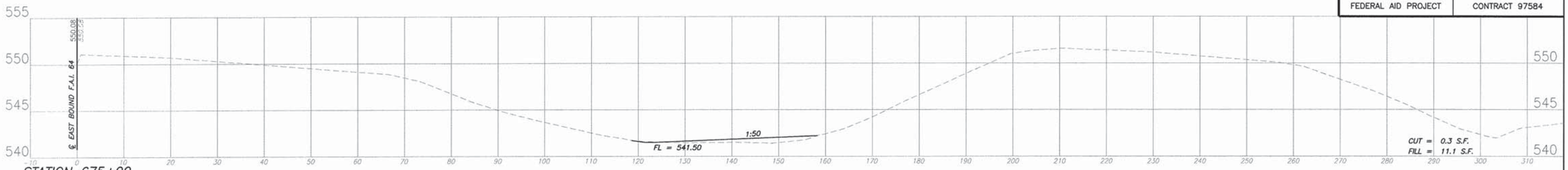
TREE PLANTING ON EMBANKMENT DETAIL
N.T.S.



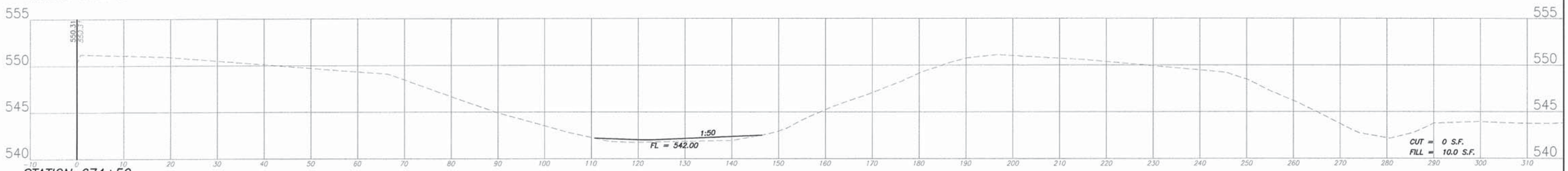
PERENNIAL PLANTS
N.T.S.

ADDITIONAL NOTES: ALL ITEMS SHOWN TO BE INCLUDED IN THE COSTS OF THE TREES, SHRUBS, AND PERENNIAL PLANTS. INCLUDING MULCH, PRE-EMERGENT HERBICIDE, STAKES, AND PROTECTIVE WRAP. ALL TREES, SHRUBS, AND PERENNIAL PLANTS SHALL HAVE A 1 YEAR WARRANTY. COST OF WARRANTY SHALL BE INCLUDED THE COSTS OF THE INDIVIDUAL PLANTS.

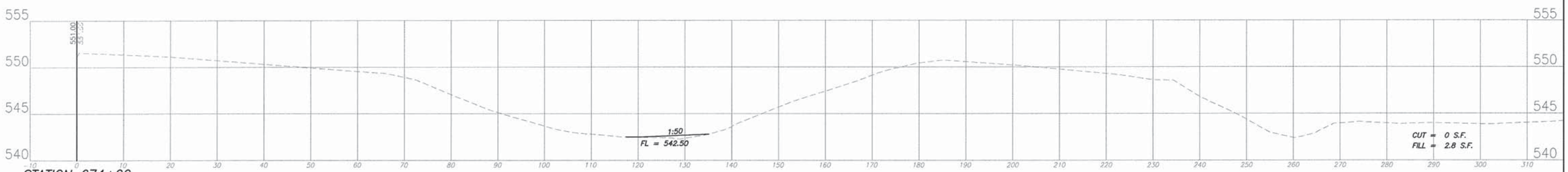
F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST. CLAIR	21	14
FEDERAL AID PROJECT		CONTRACT 97584		



STATION 675+00



STATION 674+50



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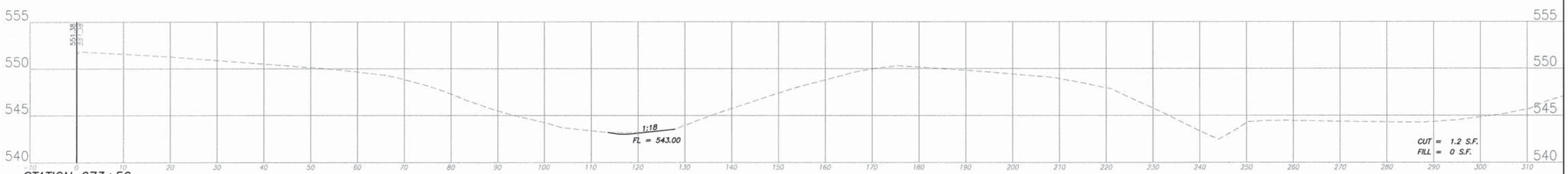
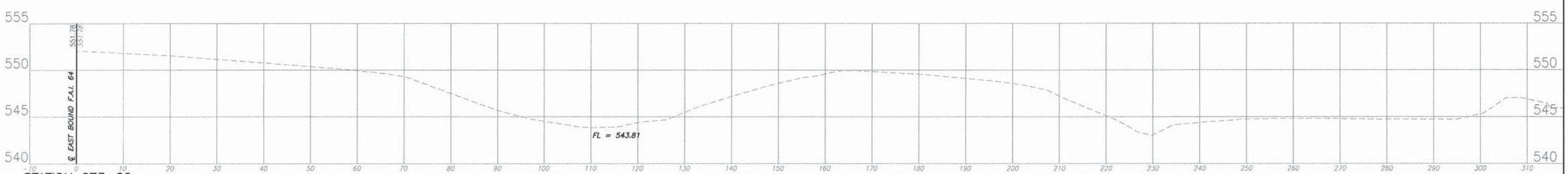


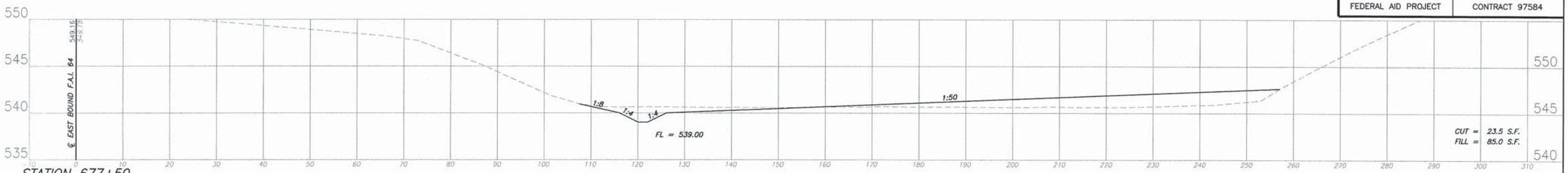
STATION 673+50



STATION 673+00

NORTHWEST QUADRANT CROSS SECTIONS EXIT 14 AESTHETICS IMPROVEMENT PROJECT
SECTION 10-00062-00-LS ST CLAIR COUNTY ILLINOIS

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST. CLAIR	21	15
FEDERAL AID PROJECT		CONTRACT 97584		



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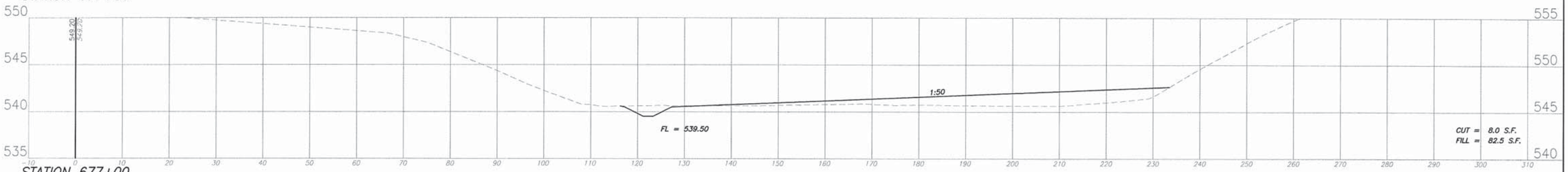

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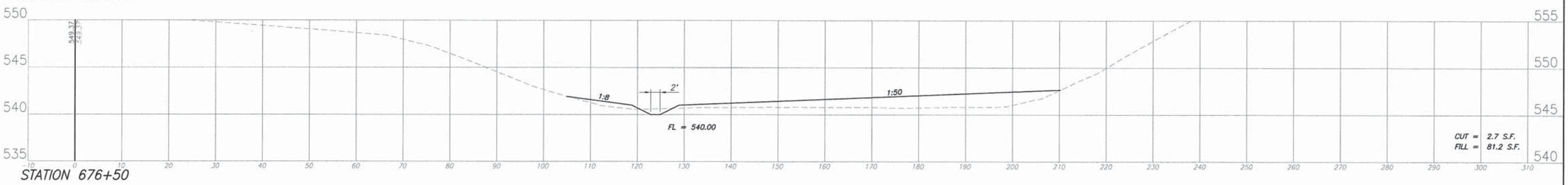

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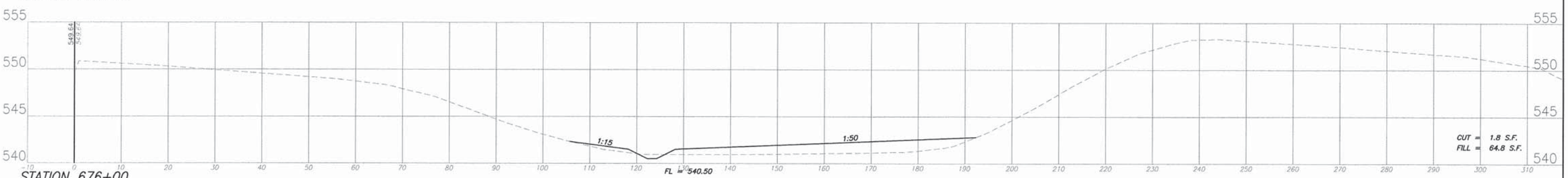

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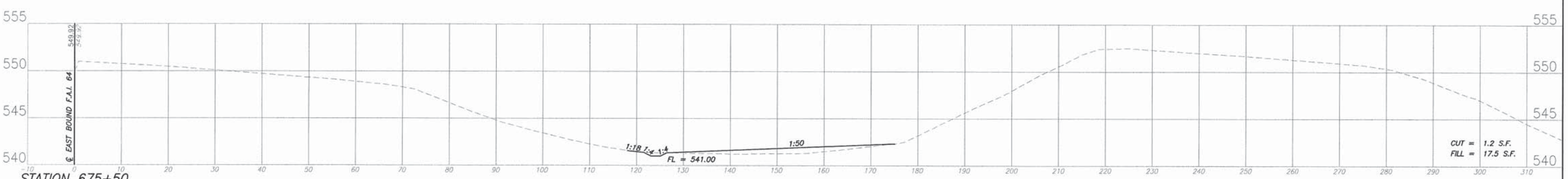
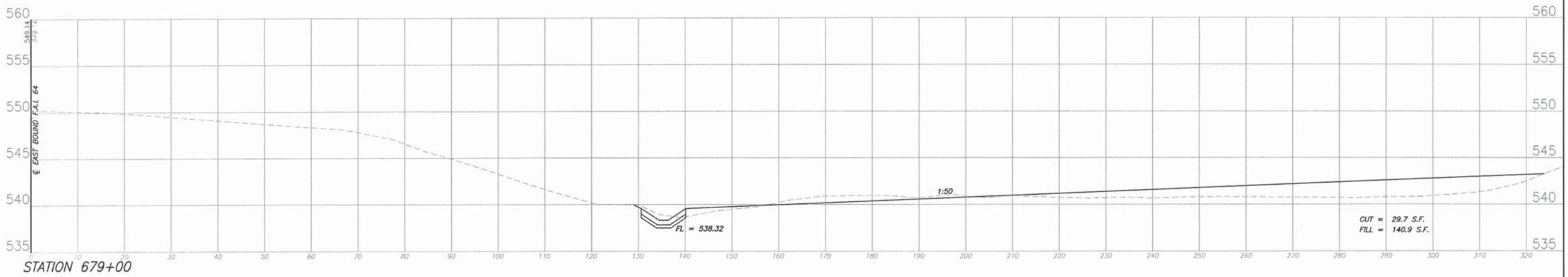
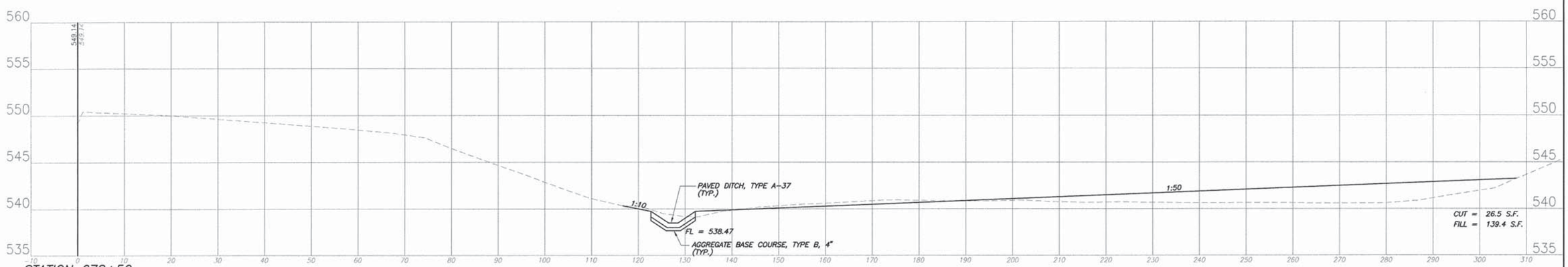


STATION 675+50

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST. CLAIR	21	16
FEDERAL AID PROJECT		CONTRACT 97584		



STATION 679+00



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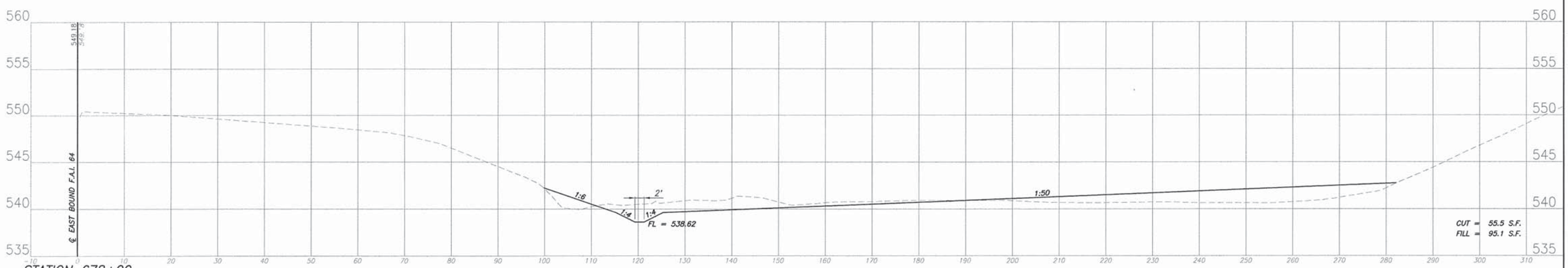
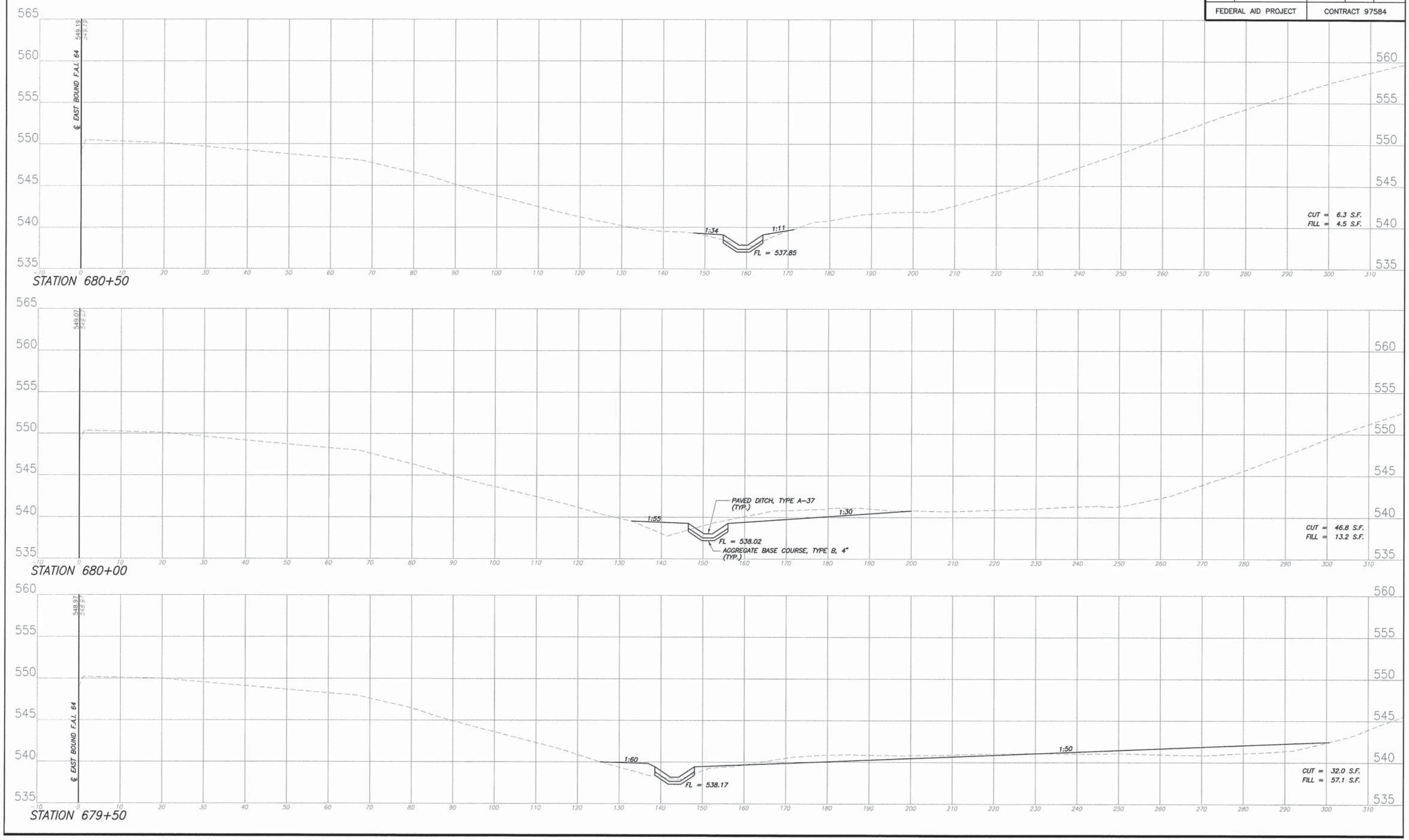


STATION 678+00

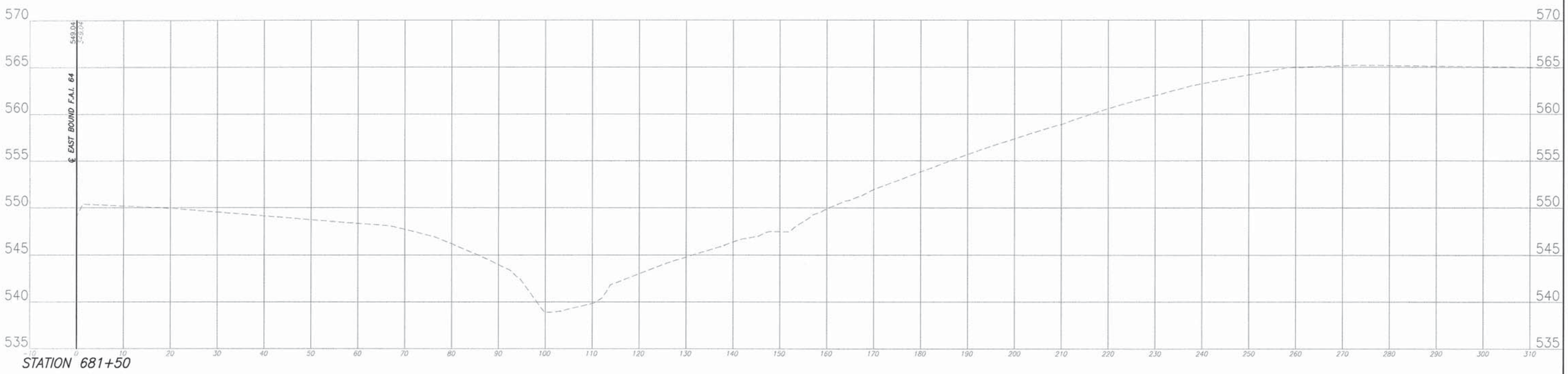
NORTHWEST QUADRANT CROSS SECTIONS EXIT 14 AESTHETICS IMPROVEMENT PROJECT
SECTION 10-00062-00-LS ST CLAIR COUNTY ILLINOIS

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST. CLAIR	21	17
FEDERAL AID PROJECT		CONTRACT 97584		



NORTHWEST QUADRANT CROSS SECTIONS EXIT 14 AESTHETICS IMPROVEMENT PROJECT
SECTION 10-00062-00-LS ST CLAIR COUNTY ILLINOIS

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST. CLAIR	21	18
FEDERAL AID PROJECT		CONTRACT 97584		



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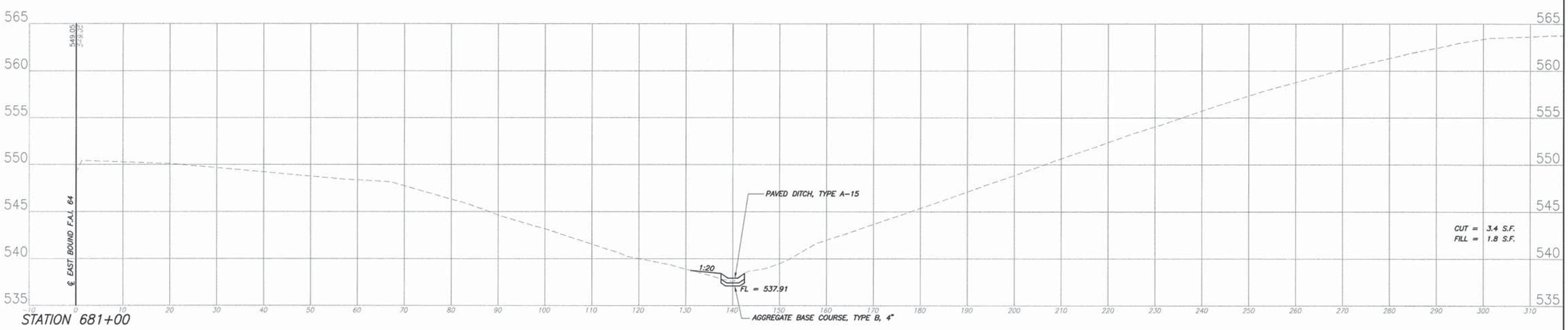
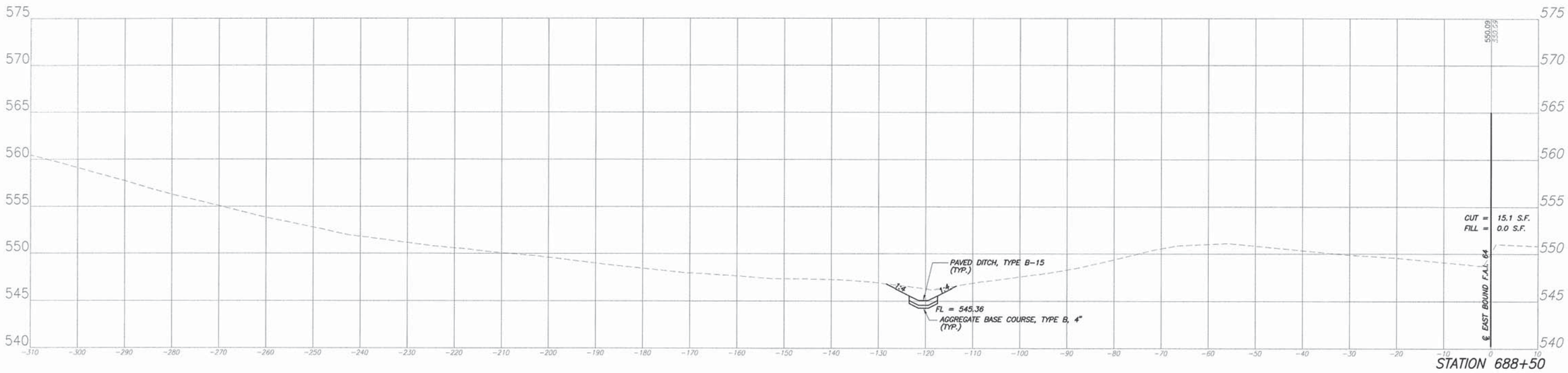


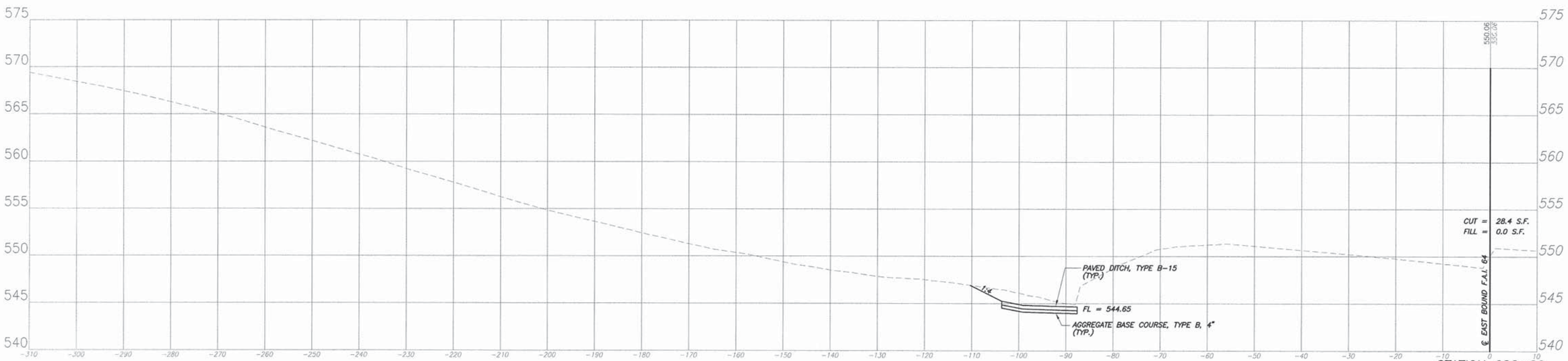
STATION 681+00

NORTHWEST QUADRANT CROSS SECTIONS EXIT 14 AESTHETICS IMPROVEMENT PROJECT
SECTION 10-00062-00-LS ST CLAIR COUNTY ILLINOIS

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST. CLAIR	21	19
FEDERAL AID PROJECT		CONTRACT 97584		



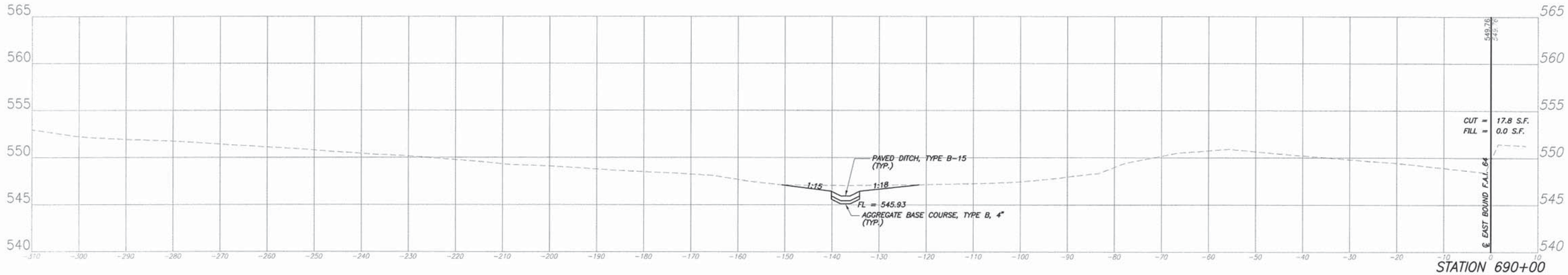
STATION 688+50



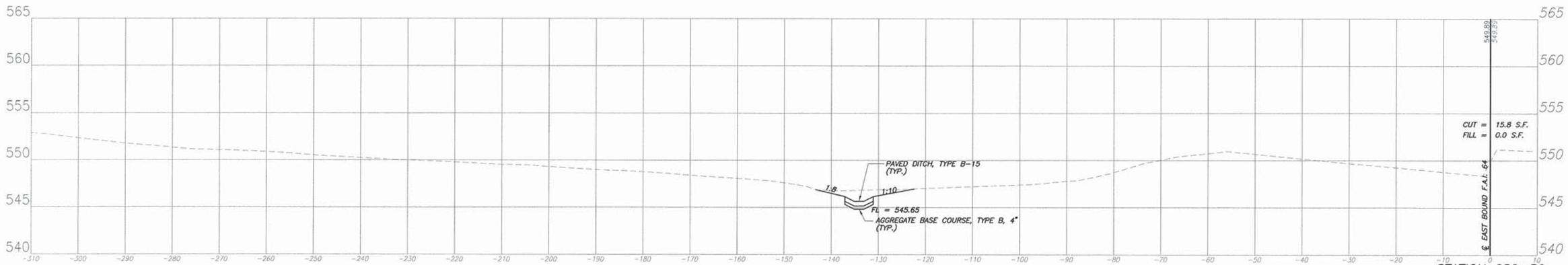
STATION 688+00

SOUTHEAST QUADRANT CROSS SECTIONS EXIT 14 AESTHETICS IMPROVEMENT PROJECT
SECTION 10-00062-00-LS ST CLAIR COUNTY ILLINOIS

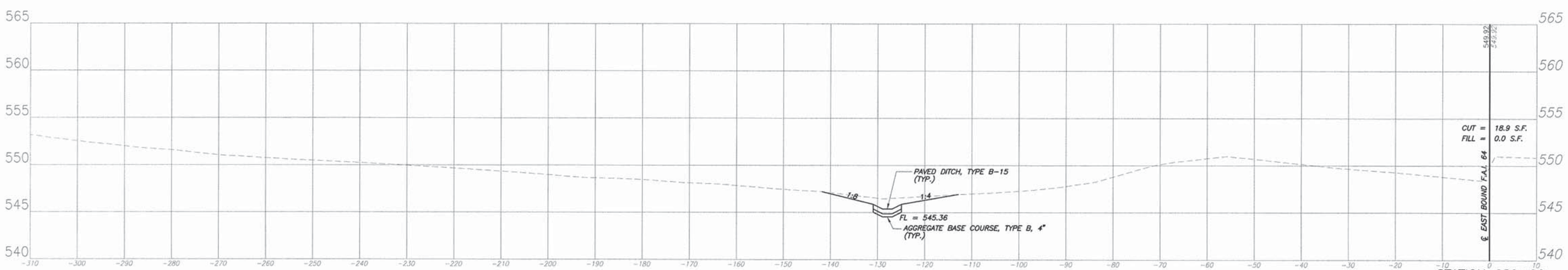
F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST. CLAIR	21	20
FEDERAL AID PROJECT		CONTRACT 97584		



STATION 690+00

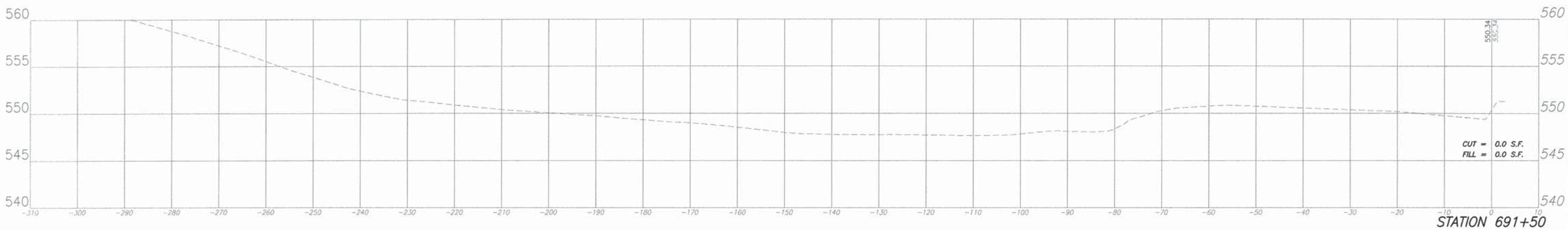


STATION 689+50

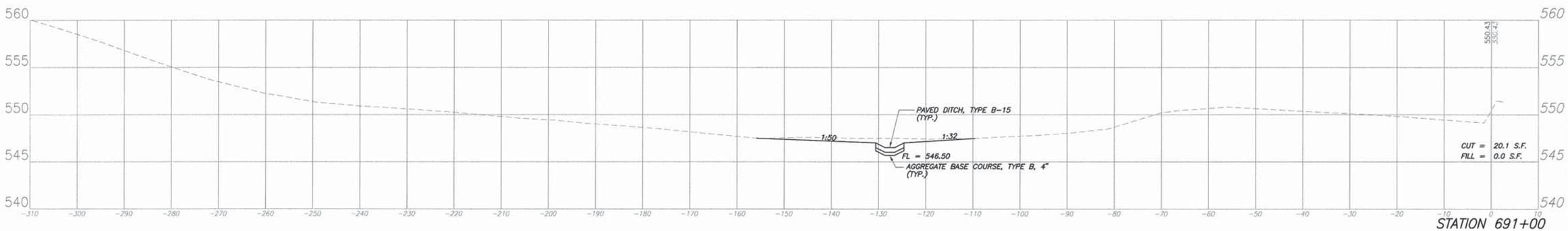


STATION 689+00

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
64	10-00062-00-LS	ST. CLAIR	21	21
FEDERAL AID PROJECT		CONTRACT 97584		



STATION 691+50



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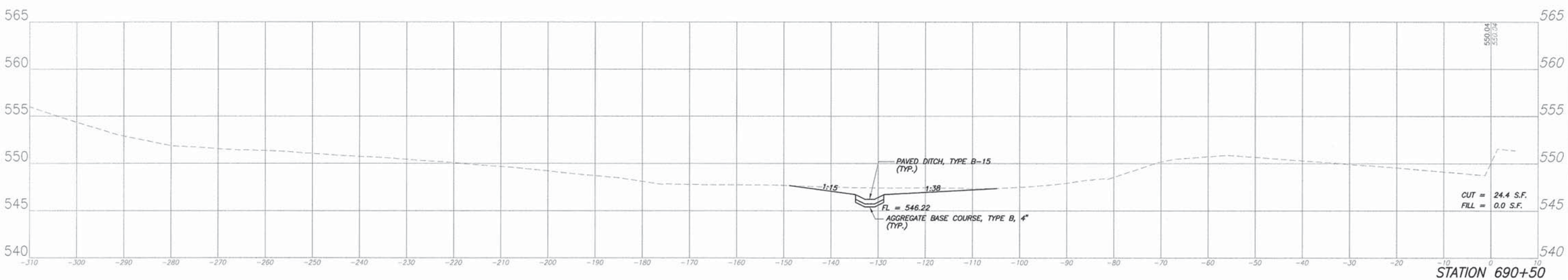

STATION 690+50

SOUTHEAST QUADRANT CROSS SECTIONS EXIT 14 AESTHETICS IMPROVEMENT PROJECT
SECTION 10-00062-00-LS ST CLAIR COUNTY ILLINOIS