

FOR INDEX OF SHEETS, SEE SHEET 2  
 FOR LIST OF STATE STANDARDS, SEE SHEET 2

08-03-2018 LETTING ITEM 013

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED  
 FEDERAL-AID HIGHWAY**

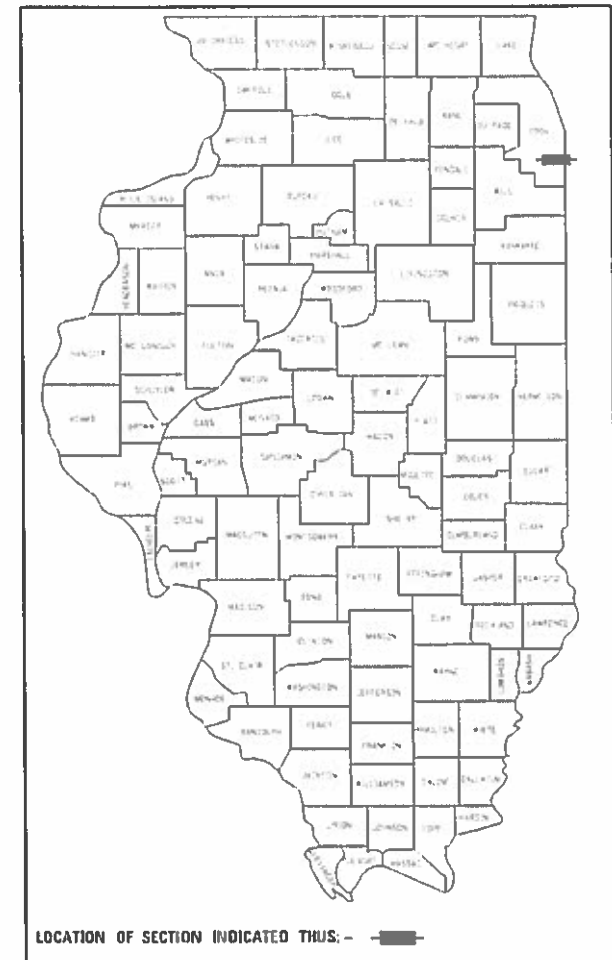
FAP 351 (159TH STREET) (SAND RIDGE BIKE TRAIL)  
 SAND RIDGE NATURE CENTER TO GREEN LAKE AQUATIC CENTER

BIKE/PEDESTRIAN PATH  
 SECTION 13-F3000-24-BT  
 PROJECT 2917 (322)

COOK COUNTY FOREST PRESERVE DISTRICT  
 COOK COUNTY  
 C-91-339-13

F.A.P. RTF. 351	SECTION 13-F3000-24-BT	COUNTY COOK	TOTAL SHEETS 76	SHEET NO. 1
ILLINOIS			CONTRACT NO. 61E95	

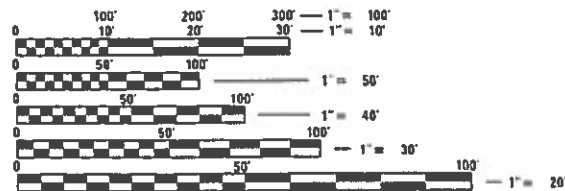
PROJECT LOCATED IN  
 CITY OF CALUMET CITY



LOCATION OF SECTION INDICATED THUS: —

**TRAFFIC DATA**

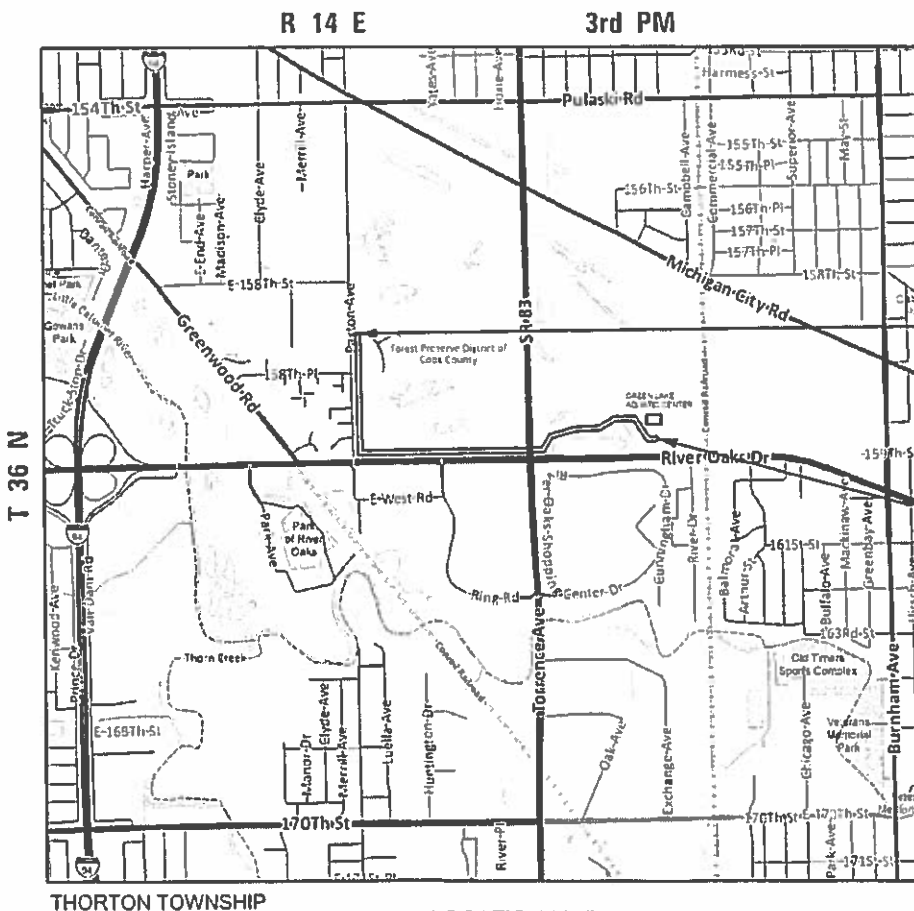
159TH STREET (FAP 351)  
 OTHER PRINCIPAL ARTERIAL  
 TRAFFIC = 26,500 ADT (2015)  
 POSTED SPEED = 35 MPH



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

CALL JULIE 811 WITH THE FOLLOWING:  
 COUNTY: COOK  
 CITY/TOWNSHIP: THORTON  
 SECTION & RANGE: T36N-R15E Sec 18  
 48 HOURS BEFORE YOU DIG EXCLUDING SAT., SUN., & HOLIDAYS

MEADE ELECTRIC CO. DISTRICT O&E ELECTRICAL MAINTENANCE CONTRACTOR  
 LOCATES 100' ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.



THORTON TOWNSHIP

LOCATION MAP

GROSS LENGTH = 6,687 FT. = 1.27 MILE  
 NET LENGTH = 6,687 FT. = 1.27 MILE



BEGIN IMPROVEMENTS  
 SAND RIDGE NATURE  
 CENTER  
 STA 281+20.99

END IMPROVEMENTS  
 GREEN LAKE AQUATIC  
 CENTER  
 STA 348+08.20

4/30 2018  
 Mark B. Thomas  
 PROFESSIONAL ENGINEER  
 ILLINOIS  
 ILLINOIS REGISTRATION NO. 062-05728  
 EXPIRATION DATE: 8/30/19

CHRISTOPHER B. BURKE ENGINEERING, LTD.  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 00018  
 (847) 823-0500  
 PROFESSIONAL DESIGN FIRM NO. 184-001175  
 EXPIRATION DATE: 04/30/19

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

APPROVED: Chris Slattery 4-30-18  
 Chris Slattery  
 COOK COUNTY FOREST PRESERVE  
 DIRECTOR OF PLANNING AND DEVELOPMENT

PASSED: MAY 16 2018  
 Christopher B. Thomas  
 DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID  
 BASED ON LIMITED  
 REVIEW: Anthony J. DeFina  
 REGIONAL ENGINEER

PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. SCHAUMBURG, IL

CONTRACT NO. 61E95

**INDEX OF SHEETS**

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**INDEX OF HIGHWAY STANDARDS**

000001-06	STANDARD SYMBOLS, ABBREVIATION AND PATTERNS
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-04	DEPRESSED CORNER FOR SIDEWALKS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
606001-07	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTI-LANE, MORE THAN 15' (4.5m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS <= 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH:
  - a. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS, ADOPTED APRIL 1, 2018
  - b. SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JANUARY 1, 2018
  - c. LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (ILMUTCD)
  - d. STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION
  - e. PLAN DETAILS
  - f. SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS
  - g. APPLICABLE PERMITS
2. ALL ELEVATIONS SHOWN ON THESE PLANS ARE ON NGVD 1988 DATUM.
3. THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS.
4. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
5. CONTRACTOR SHALL REPAIR, TO THE SATISFACTION OF THE ENGINEER, ALL DAMAGE TO EXISTING ITEMS NOT SHOWN FOR REMOVAL.
6. PROTECTION OF NATURAL RESOURCES: ACTIVITIES SHALL ONLY OCCUR IN IDENTIFIED CONSTRUCTION/ACCESS AREAS. NO EQUIPMENT, STAGING AREAS, OR ANY OTHER CONSTRUCTION RELATED ACTIVITIES SHALL OCCUR OUTSIDE OF THESE AREAS.
7. CONTRACTOR SHALL NOT STOCKPILE OR STORE EQUIPMENT, MATERIALS, OR VEHICLES OUTSIDE THE LIMITS OF CONSTRUCTION.
8. DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
9. NO BURNING OR INCINERATION OF LANDSCAPE DEBRIS, RUBBISH OR CONSTRUCTION MATERIAL WILL BE PERMITTED ON SITE.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ABUTTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
11. THE CONTRACTOR SHALL NOTIFY THE FOREST PRESERVE DISTRICT AT 708-771-1355 AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
12. THE APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN ON THE DRAWINGS ACCORDING TO THE INFORMATION OBTAINED FROM UTILITY COMPANIES AND SURVEYS. HOWEVER, OWNER AND THE ENGINEER DO NOT GUARANTEE THE COMPLETENESS OR ACCURACY OF THE INFORMATION REGARDING UTILITIES, EITHER PUBLIC OR PRIVATE SUCH AS SEWERS, GAS LINES, WATER MAINS, TELEPHONE, ELECTRICAL DUCT LINES, MANHOLES, CATCH BASINS OR OTHER SIMILAR STRUCTURES. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH ARE OCCASIONED BY HIS/HER FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE DRAWINGS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AND THE UTILITY OWNER. THIS WORK SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 AND 107.31.

**GENERAL NOTES**

14. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, AND CABLE TELEVISION FACILITIES.
15. ALL PROPOSED ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADE, UNLESS OTHERWISE NOTED.
16. ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS.
  - a. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.
  - b. THE CONTRACTOR SHALL BE REQUIRED TO RELOCATE, MAINTAIN AND REMOVE SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS.
  - c. THE CONTRACTOR SHALL REMOVE ALL UNUSED SIGNS NOT CALLED OUT TO BE RELOCATED. ALL UNUSED SIGNS SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED BY THE ENGINEER.
  - d. SIGNS SHALL BE INSTALLED PER IDOT HIGHWAY STANDARD 720006 AT TEMPORARY AND PERMANENT LOCATIONS.
17. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES AND AT LEAST TWO WEEKS PRIOR TO PERMANENT PAVEMENT MARKING PLACEMENT.
18. ALL PEDESTRIAN ROUTES CONSTRUCTED AS PART OF THIS PROJECT SHALL BE ADA COMPLIANT.
19. ALL SAWCUTTING SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS REMOVED PRIOR TO SAWCUTTING SHALL NOT BE MEASURED FOR PAYMENT.
20. THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED. PLAN THICKNESSES SHOULD BE CONSIDERED THE MINIMUM THICKNESS PERMITTED.
21. IF DEWATERING OPERATIONS ARE NECESSARY, WATER SHALL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED.
22. IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION AND IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 14 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 7TH DAY AFTER WORK HAS CEASED.
23. ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS. DAILY INSPECTIONS ARE REQUIRED AND THE STREETS SHALL BE CLEANED WHEN NECESSARY.
24. THE MAXIMUM NUMBER OF STRUCTURE ADJUSTMENT RINGS SHALL BE 2, WITH A MAXIMUM ADJUSTMENT HEIGHT OF 12". WHEN NECESSARY ADJUSTMENTS WILL EXCEED THE MAXIMUM ADJUSTMENT HEIGHT, THE CONTRACTOR SHALL PROVIDE THE NECESSARY MANHOLE BARREL SECTIONS. THE TOP 2" OF ADJUSTMENT RINGS MUST BE WITHIN RUBBER RINGS.
25. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ANY OTHER ROADWAY PROJECTS WITHIN THE AREA THAT ARE UNDER CONSTRUCTION AT THE SAME TIME.
26. THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
27. ALL TREE REMOVALS WILL BE PERFORMED BY OTHERS AS PART OF A SEPARATE CONTRACT. THIS WORK IS ANTICIPATED TO TAKE PLACE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE TREE REMOVAL CONTRACT. ALL TREE REMOVALS WILL NOT

- BE STARTED UNTIL A WALK THROUGH HAS BEEN COMPLETED WITH THE GENERAL CONTRACTOR, RESIDENT ENGINEER AND THE TREE REMOVAL CONTRACTOR. ANY TREE REMOVAL SHALL BE VERIFIED AND MARKED ON SITE.
28. CONTINGENCY QUANTITIES FOR ENGINEERED BARRIER, TREE PRUNING AND TREE ROOT PRUNING HAVE BEEN PROVIDED IN THIS CONTACT FOR USE AT LOCATIONS AS DIRECTED BY THE ENGINEER OR FOREST PRESERVE.
29. THE CONTRACTOR SHOULD BE AWARE THAT CONTRACT 61E84 IS DIRECTLY ADJACENT AND CONNECTS TO THIS CONTRACT AND WILL BE ACTIVE DURING THIS PROJECT. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ADJACENT CONTRACT.
30. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
31. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.
32. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

**COMMITMENTS**

33. TO PREVENT IMPACTS TO THE ENDANGERED BLANDINGS TURTLE, THE PERIMETER EROSION BARRIER AND PERIMETER EROSION BARRIER (SPECIAL) SHALL BE ERECTED PRIOR TO COMMENCING ANY OTHER CONSTRUCTION ACTIVITIES. THE CONTRACTOR WILL PERFORM DAILY AND WEEKLY INSPECTIONS OF THE SITE TO ASSURE ALL EXCAVATIONS AND TRENCHES ARE COVERED AT THE END OF EACH WORK DAY, INSPECTING TRENCHES AND EXCAVATIONS PRIOR TO THE START OF EACH WORK DAY, AND PROVIDING EDUCATION TO ALL ON-SITE PERSONNEL.
34. CONTRACTOR SHALL ADHERE TO BEST MANAGEMENT PRACTICES FOR SEDIMENT AND EROSION CONTROL PRIOR TO STARTING CONSTRUCTION THROUGH ESTABLISHMENT OF PERMANENT RESTORATION.

FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SAND RIDGE TRAIL INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\COOK COUNTY FPD\140501.00\02\Civil\GEN	N\140501-01.DGN	DRAWN - MBT	REVISED -			351	13-F3000-24-BT	COOK	76	2	
Default	PLOT SCALE = 48"	CHECKED -	REVISED -			<b>CONTRACT NO. 61E95</b>					
	PLOT DATE = 5/31/2018	DATE - 06/22/07	REVISED -			SCALE:	SHEET 2 OF 76 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

CONSTRUCTION CODE 0028

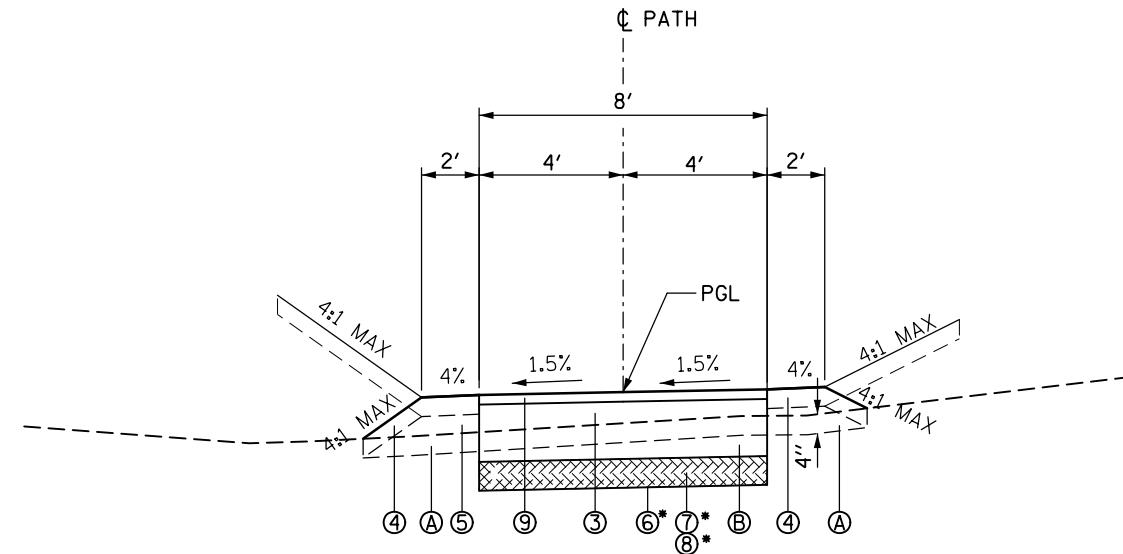
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
20101000	TEMPORARY FENCE	FOOT	1610
Δ 20101200	TREE ROOT PRUNING	EACH	15
Δ 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	20
Δ 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	50
20200100	EARTH EXCAVATION	CU YD	953
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1653
20400800	FURNISHED EXCAVATION	CU YD	957
20800150	TRENCH BACKFILL	CU YD	2
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	6898
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	730
Δ 25000210	SEEDING, CLASS 2A	ACRE	0.5
Δ 25000312	SEEDING, CLASS 4A	ACRE	1
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	275
28000400	PERIMETER EROSION BARRIER	FOOT	14540
28000510	INLET FILTERS	EACH	10
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1000
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	6897
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	36
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	11894
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1190
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	889
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	319
42400800	DETECTABLE WARNINGS	SQ FT	156
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	95
44000600	SIDEWALK REMOVAL	SQ FT	320
50104400	CONCRETE HEADWALL REMOVAL	EACH	1
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	120
54261712	STEEL FLARED END SECTIONS 12"	EACH	8
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	7
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	95
Δ 66400305	CHAIN LINK FENCE, 6'	FOOT	92
Δ 66403500	CHAIN LINK GATES, 6' X 12' SINGLE	EACH	1
Δ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	100
Δ 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1
Δ 66900530	SOIL DISPOSAL ANALYSIS	EACH	1
67100100	MOBILIZATION	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
Δ 72000100	SIGN PANEL - TYPE 1	SQ FT	12
Δ 73000100	WOOD SIGN SUPPORT	FOOT	45

CONSTRUCTION CODE 0028

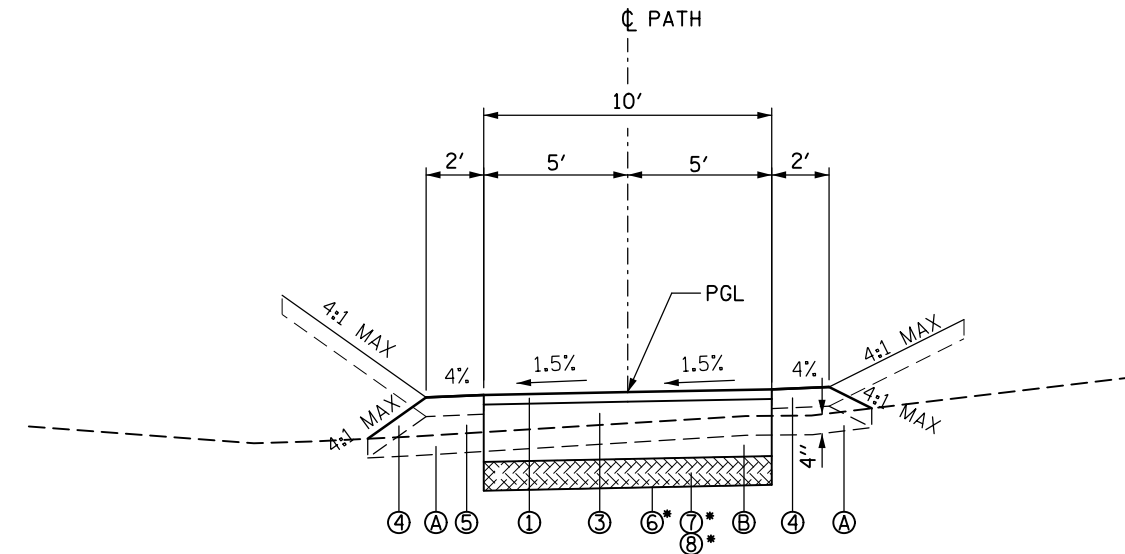
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4778
Δ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	423
Δ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	714
Δ 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	28
Δ 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
Δ 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	926
Δ 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	954
Δ 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	38
Δ 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
Δ 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8
Δ 87900200	DRILL EXISTING HANDHOLE	EACH	2
Δ 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
Δ 88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
Δ 89502200	MODIFY EXISTING CONTROLLER	EACH	2
Δ A2000216	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	3
Δ A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	6
Δ A2004616	TREE, GLEDITSIA TRIACANTHOS INERMIS (THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	8
Δ A2005816	TREE, PLATANUS OCCIDENTALIS (SYCAMORE), 2" CALIPER, BALLED AND BURLAPPED	EACH	7
Δ A2006316	TREE, PRUNUS SEROTINA (BLACK CHERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	7
Δ A2006416	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5
Δ A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3
Δ A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2
Δ B2000770	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	5
Δ B2001420	TREE, CORNUS MAS (CORNELIAN CHERRY DOG WOOD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4
Δ B2001916	TREE, CRATAEGUS PHAENOPYRUM (WASHINGTON HAWTHORN), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3
Δ B2002216	TREE, CRATAEGUS VIRDIS WINTER KING (WINTER KING GREEN HAWTHORN), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	15
Δ B2003316	TREE, MALUS DONALD WYMAN (DONALD WYMAN CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	11
X0321322	DROP GATE	EACH	4
X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	53
Δ X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	7260
X2800400	PERIMETER EROSION BARRIER, SPECIAL	FOOT	841
X2800500	INLET PROTECTION, SPECIAL	EACH	5
X7240505	RELOCATE SIGN PANEL AND POST	EACH	1
Z0007510	ENGINEERED BARRIER	SQ YD	100
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	112
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0022800	FENCE REMOVAL	FOOT	936
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52
Δ Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2
Δ XX003338	TEST HOLE	EACH	5
XX007606	LIMESTONE SCREENING SURFACE 2"	SQ YD	1605

Δ INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SAND RIDGE TRAIL SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\COOK COUNTY FPD\148501.00002\Civil\01\A_148501-01.DGN	PLOT SCALE = 48'	DRAWN - MBT	REVISED -			351	13-F3000-24-BT	COOK	76	3	
Default	PLOT DATE = 5/21/2018	CHECKED -	REVISED -			SCALE: SHEET 3 OF 76 SHEETS STA. TO STA.		CONTRACT NO. 61E95			
		DATE - 06/22/07	REVISED -			ILLINOIS FED. AID PROJECT					



**PROPOSED TYPICAL SECTION  
STA 281+20.99 TO STA 299+25.51**



**PROPOSED TYPICAL SECTION  
STA 299+25.51 TO STA 325+20.80**

\* AT LOCATION AS DIRECTED BY THE ENGINEER

**LEGEND**

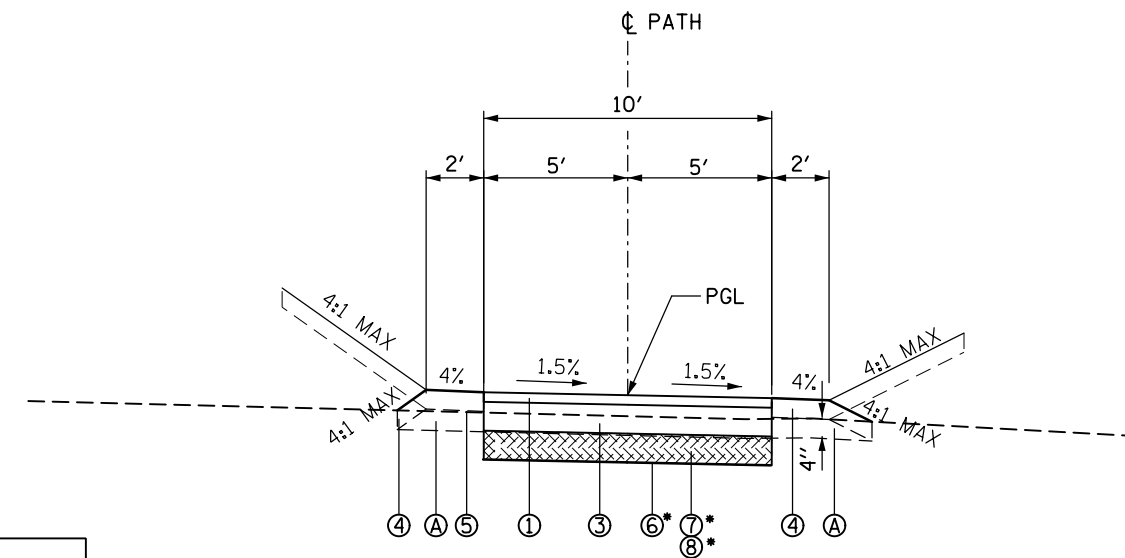
- Ⓐ TOPSOIL EXCAVATION AND PLACEMENT
- Ⓑ EARTH EXCAVATION
- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 3"
- ② NOT USED
- ③ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ④ TOPSOIL EXCAVATION AND PLACEMENT - 4"
- ⑤ PROPOSED EMBANKMENT
- ⑥ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION \*
- ⑦ AGGREGATE SUBGRADE IMPROVEMENT \*
- ⑧ REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (UNDERCUT AREAS) \*
- ⑨ LIMESTONE SCREENING SURFACE 2"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @NDES
BIKE PATH	
HOT-MIX ASPHALT SURFACE COUSE, MIX "D", N50 (IL 9.5 mm), 3" (2 LIFTS)	4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQYD/IN.

THE "AC TYPE" FOR NON-POLYMERIZED HMA MIXES SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS FOR "PERCENT OF RAP". SEE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIAL SEE SPECIAL PROVISIONS.



**PROPOSED TYPICAL SECTION  
STA 325+20.80 TO STA 348+08.20**

EARTHWORK SCHEDULE							
STATION			20200100	EMBANKMENT	TOPSOIL EXCAVATION	21101505	20201200
			EARTH EXCAVATION			TOPSOIL PLACEMENT	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)
			(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
281+21	TO	281+50	3.6	7.8	6.4	3.9	2.5
281+50	TO	282+00	1.2	16.8	12.8	8.4	4.4
282+00	TO	282+50	5.8	4.6	10.2	5.5	4.7
282+50	TO	283+00	11.9	1.2	9.4	4.7	4.6
283+00	TO	283+50	14.1	0.4	9.7	4.9	4.8
283+50	TO	284+00	10.8	1.1	9.0	4.1	4.9
284+00	TO	284+50	8.1	4.2	9.6	4.6	5.0
284+50	TO	285+00	8.4	4.7	10.1	5.2	4.9
285+00	TO	285+50	6.5	4.5	9.7	5.2	4.5
285+50	TO	286+00	9.7	2.9	8.9	4.3	4.6
286+00	TO	286+50	13.3	0.3	8.0	3.1	4.8
286+50	TO	287+00	9.7	1.6	8.5	3.8	4.7
287+00	TO	287+50	5.6	4.4	9.5	5.0	4.5
287+50	TO	288+00	3.8	5.7	10.0	5.6	4.4
288+00	TO	288+50	5.9	3.8	9.3	4.7	4.5
288+50	TO	289+00	9.3	1.5	9.4	4.6	4.8
289+00	TO	289+50	9.8	1.2	9.6	4.7	4.9
289+50	TO	290+00	5.5	4.5	10.8	6.0	4.8
290+00	TO	290+50	2.1	6.8	12.0	7.2	4.8
290+50	TO	291+00	1.9	6.2	11.3	6.5	4.8
291+00	TO	291+50	7.9	3.1	9.4	4.6	4.8
291+50	TO	292+00	7.2	4.4	9.4	4.8	4.5
292+00	TO	292+50	1.7	8.1	10.7	6.5	4.3
292+50	TO	293+00	5.1	5.4	9.8	5.5	4.4
293+00	TO	293+50	6.5	3.6	9.3	4.7	4.5
293+50	TO	294+00	6.3	3.2	9.6	4.9	4.7
294+00	TO	294+50	8.4	1.6	9.3	4.4	4.9
294+50	TO	295+00	9.5	1.1	9.3	4.4	4.9
295+00	TO	295+50	7.4	2.2	9.7	4.9	4.8
295+50	TO	296+00	3.9	4.6	9.9	5.1	4.8
296+00	TO	296+50	2.4	6.7	11.2	6.4	4.8
296+50	TO	297+00	2.2	8.1	11.6	6.8	4.8
297+00	TO	297+50	2.2	7.5	10.6	5.7	4.8
297+50	TO	298+00	3.5	4.9	10.1	5.3	4.8
298+00	TO	298+50	2.8	7.6	11.5	6.9	4.6
298+50	TO	299+00	0.6	46.3	15.6	11.9	3.7
299+00	TO	299+13	0.0	21.1	4.8	4.0	0.8
299+13	TO	299+50	0.0	49.5	12.8	10.4	2.4
299+50	TO	300+00	0.0	35.5	15.9	11.8	4.2
300+00	TO	300+50	4.2	9.6	12.0	7.1	4.9
300+50	TO	301+00	8.6	1.0	8.1	3.1	5.0
301+00	TO	301+50	8.9	1.5	8.3	3.5	4.8
301+50	TO	302+00	4.4	11.5	10.8	6.6	4.3
302+00	TO	302+50	0.5	15.3	12.1	8.1	4.1
302+50	TO	303+00	4.3	6.6	10.3	5.8	4.4
303+00	TO	303+50	6.0	4.9	9.7	5.3	4.4
303+50	TO	304+00	5.5	5.2	9.8	5.4	4.4
304+00	TO	304+50	8.2	2.9	8.9	4.3	4.6
304+50	TO	305+00	9.2	2.2	8.6	3.9	4.7
305+00	TO	305+50	8.2	2.9	8.9	4.2	4.7
305+50	TO	306+00	9.4	2.1	8.5	3.8	4.7
306+00	TO	306+50	10.4	1.3	9.0	4.2	4.8
306+50	TO	307+00	9.0	2.5	11.9	7.0	4.8
307+00	TO	307+50	7.8	2.8	11.5	6.7	4.8
307+50	TO	308+00	7.9	1.8	9.0	4.2	4.8
308+00	TO	308+50	8.4	1.5	8.7	3.9	4.8
308+50	TO	309+00	9.4	1.0	8.5	3.7	4.8
309+00	TO	309+50	8.6	1.8	8.8	4.0	4.8
309+50	TO	310+00	6.8	4.4	9.7	4.9	4.8
310+00	TO	310+50	7.3	5.0	10.0	5.3	4.7
310+50	TO	311+00	5.3	5.1	9.8	5.3	4.5
311+00	TO	311+50	4.2	5.1	9.6	5.1	4.5
311+50	TO	312+00	5.7	4.0	9.4	4.7	4.6
312+00	TO	312+50	7.2	2.9	8.9	4.2	4.7
312+50	TO	313+00	8.1	2.5	8.7	4.0	4.7
313+00	TO	313+50	3.8	7.0	10.3	5.8	4.4
313+50	TO	314+00	1.6	9.2	11.0	6.8	4.3
314+00	TO	314+50	4.4	5.9	10.0	5.6	4.4
314+50	TO	315+00	6.0	4.2	9.4	4.9	4.4
315+00	TO	315+50	8.4	2.6	8.8	4.2	4.6
315+50	TO	316+00	9.4	1.9	8.5	3.8	4.7
316+00	TO	316+50	7.9	2.5	8.7	4.1	4.6
316+50	TO	317+00	8.0	2.3	8.7	4.0	4.7
317+00	TO	317+50	8.7	1.8	8.4	3.6	4.8
317+50	TO	318+00	8.9	1.5	8.2	3.4	4.8
318+00	TO	318+50	9.1	1.5	8.2	3.5	4.7
318+50	TO	319+00	9.1	1.9	8.4	3.8	4.6
319+00	TO	319+50	7.6	3.1	9.0	4.4	4.6
319+50	TO	320+00	6.9	3.5	9.3	4.6	4.6
320+00	TO	320+50	6.7	3.8	9.4	4.7	4.6

EARTHWORK SCHEDULE								
STATION			20200100	EMBANKMENT	TOPSOIL EXCAVATION	21101505	20201200	
			EARTH EXCAVATION			TOPSOIL PLACEMENT	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)	
			(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	
320+50	TO	321+00	7.3	3.1	9.1	4.4	4.6	
321+00	TO	321+50	8.2	2.2	8.7	4.1	4.6	
321+50	TO	322+00	7.3	2.6	8.8	4.2	4.6	
322+00	TO	322+50	7.5	2.4	8.7	4.0	4.7	
322+50	TO	323+00	8.6	1.8	8.4	3.6	4.8	
323+00	TO	323+50	7.7	2.5	8.7	4.0	4.7	
323+50	TO	324+00	6.3	3.5	9.2	4.5	4.6	
324+00	TO	324+50	7.7	2.8	9.4	4.7	4.7	
324+50	TO	325+00	33.5	11.9	16.1	11.6	4.5	
325+00	TO	325+20	11.5	4.4	4.5	3.7	0.9	
TORRENCE AVE								
326+35	TO	326+50	1.3	1.2	1.8	1.0	0.8	
326+50	TO	327+00	4.4	11.3	12.7	7.2	5.5	
327+00	TO	327+50	5.7	8.4	11.5	5.7	5.7	
327+50	TO	328+00	9.4	3.1	10.4	4.4	5.9	
328+00	TO	328+50	6.5	4.9	11.1	5.4	5.7	
328+50	TO	329+00	6.1	5.5	11.3	5.6	5.7	
329+00	TO	329+50	5.0	7.0	11.8	6.2	5.6	
329+50	TO	330+00	6.4	6.1	11.4	5.8	5.6	
330+00	TO	330+50	9.8	3.4	10.6	4.7	5.8	
330+50	TO	331+00	8.5	3.8	10.6	4.7	5.9	
331+00	TO	331+50	3.4	9.2	12.1	6.6	5.6	
331+50	TO	332+00	0.0	48.3	16.9	12.1	4.7	
332+00	TO	332+29	0.1	50.4	13.0	10.4	2.6	
332+29	TO	332+50	0.0	31.9	9.0	7.0	1.9	
332+50	TO	333+00	4.4	32.1	14.4	9.3	5.1	
333+00	TO	333+50	7.3	4.4	10.8	5.2	5.6	
333+50	TO	334+00	3.0	27.4	14.1	9.0	5.1	
334+00	TO	334+28	0.0	29.9	9.9	7.4	2.5	
334+28	TO	334+50	0.0	23.1	7.8	5.8	2.0	
334+50	TO	335+00	2.0	27.4	14.5	9.4	5.1	
335+00	TO	335+50	5.6	5.7	11.1	5.5	5.6	
335+50	TO	336+00	3.8	7.6	11.5	5.9	5.6	
336+00	TO	336+50	3.2	8.6	12.0	6.6	5.5	
336+50	TO	337+00	7.6	5.0	11.0	5.4	5.6	
337+00	TO	337+50	10.0	3.0	10.3	4.4	5.8	
337+50	TO	338+00	10.8	2.0	9.8	3.9	5.9	
338+00	TO	338+50	10.9	1.9	9.7	3.7	6.0	
338+50	TO	339+00	9.6	2.8	10.1	4.1	6.0	
339+00	TO	339+50	11.4	2.1	9.8	3.9	5.9	
339+50	TO	340+00	12.1	1.7	9.6	3.7	5.9	
340+00	TO	340+50	9.5	3.4	10.6	4.7	5.8	
340+50	TO	341+00	8.7	4.4	11.1	5.4	5.7	
341+00	TO	341+50	7.7	4.8	11.2	5.5	5.7	
341+50	TO	342+00	8.7	3.8	10.7	4.9	5.8	
342+00	TO	342+50	11.6	1.9	9.8	3.9	5.9	
342+50	TO	343+00	10.5	2.6	10.1	4.3	5.8	
343+00	TO	343+50	9.6	3.9	11.0	5.2	5.8	
343+50	TO	344+00	13.6	4.5	12.6	6.9	5.7	
344+00	TO	344+50	12.9	12.5	14.7	9.0	5.7	
344+50	TO	345+00	11.5	10.8	12.9	6.9	5.9	
345+00	TO	345+50	12.4	2.4	10.6	4.6	5.9	
345+50	TO	346+00	11.7	2.1	10.3	4.4	5.9	
346+00	TO	346+50	6.4	4.6	10.7	4.9	5.8	
346+50	TO	347+00	6.1	5.3	11.4	5.5	5.9	
347+00	TO	347+50	10.7	2.4	10.4	4.4	6.0	
347+50	TO	348+00	10.5	2.1	9.9	4.0	5.9	
348+00	TO	348+08	1.8	0.3	1.6	0.6	0.9	
<b>TOTALS</b>			<b>952.5</b>	<b>956.8</b>	<b>1382.5</b>	<b>729.9</b>	<b>652.6</b>	

SUMMARY				
20200100	20400800	21101505	20201200	30300001
EARTH EXCAVATION	FURNISHED EXCAVATION	TOPSOIL EXCAVATION AND PLACEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	AGGREGATE SUBGRADE IMPROVEMENT
(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
953	957	730	1,653	1,000

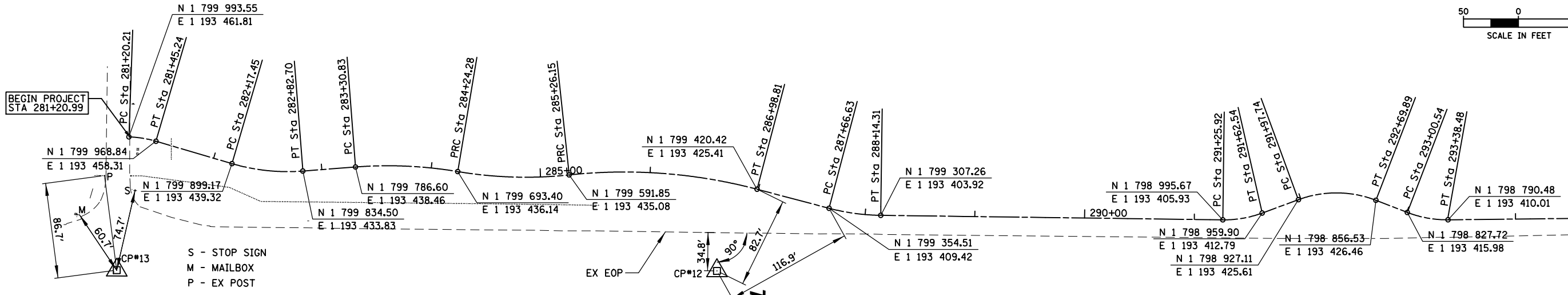
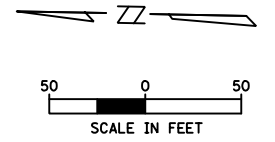
NOTES:  
 ALL EARTH EXCAVATION IS ASSUMED TO BE UNUSABLE AS FILL MATERIAL  
 EARTH EXCAVATION, REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND EXCESS TOPSOIL MAY BE PERMANENTLY STOCKPILED AT LOCATIONS SHOWN ON THE PLANS

FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -
N:\COOK COUNTY FPD\140501.00\02\Civil\SCHEMATIC\140501-01.DGN		DRAWN - MBT	REVISED -
Default	PLOT SCALE = 48'	CHECKED -	REVISED -
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SAND RIDGE TRAIL    EARTHWORK SCHEDULE</b>			
SCALE:	SHEET 5	OF 76 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	5
<b>CONTRACT NO. 61E95</b>				
ILLINOIS FED. AID PROJECT				



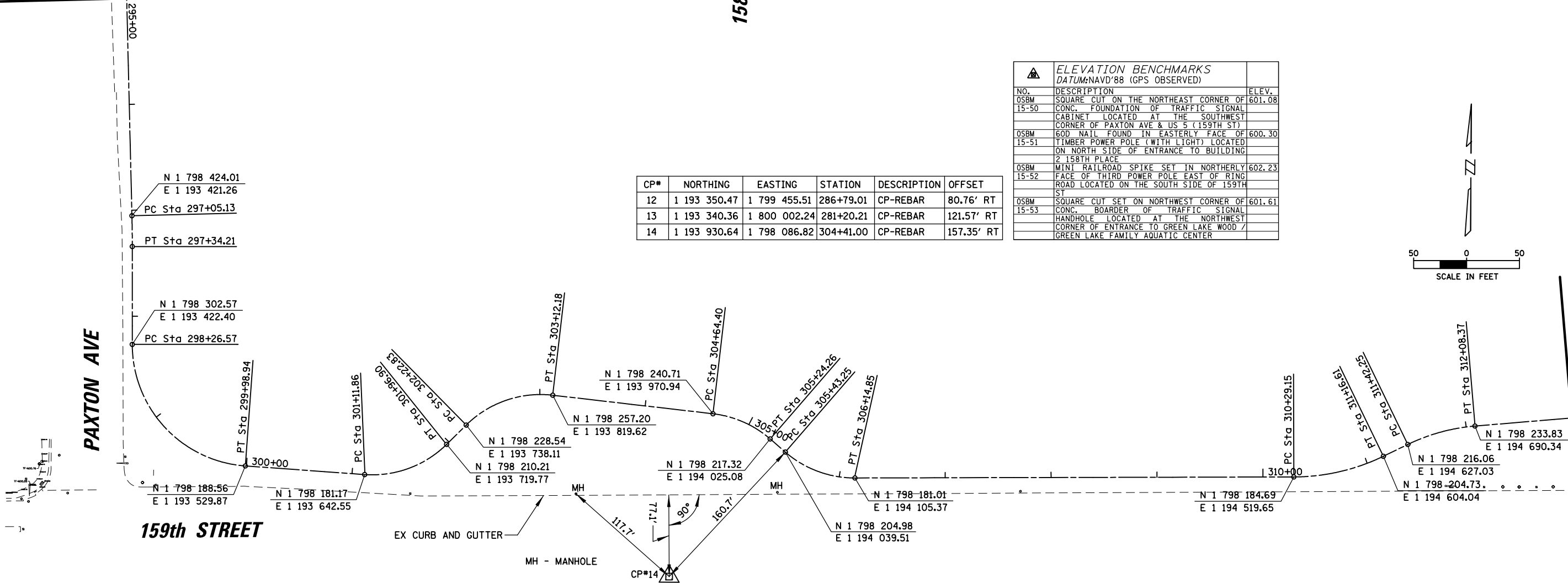
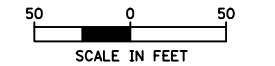
MATCH LINE STA. 295 + 00

MATCH LINE STA. 295 + 00

S - STOP SIGN  
M - MAILBOX  
P - EX POST

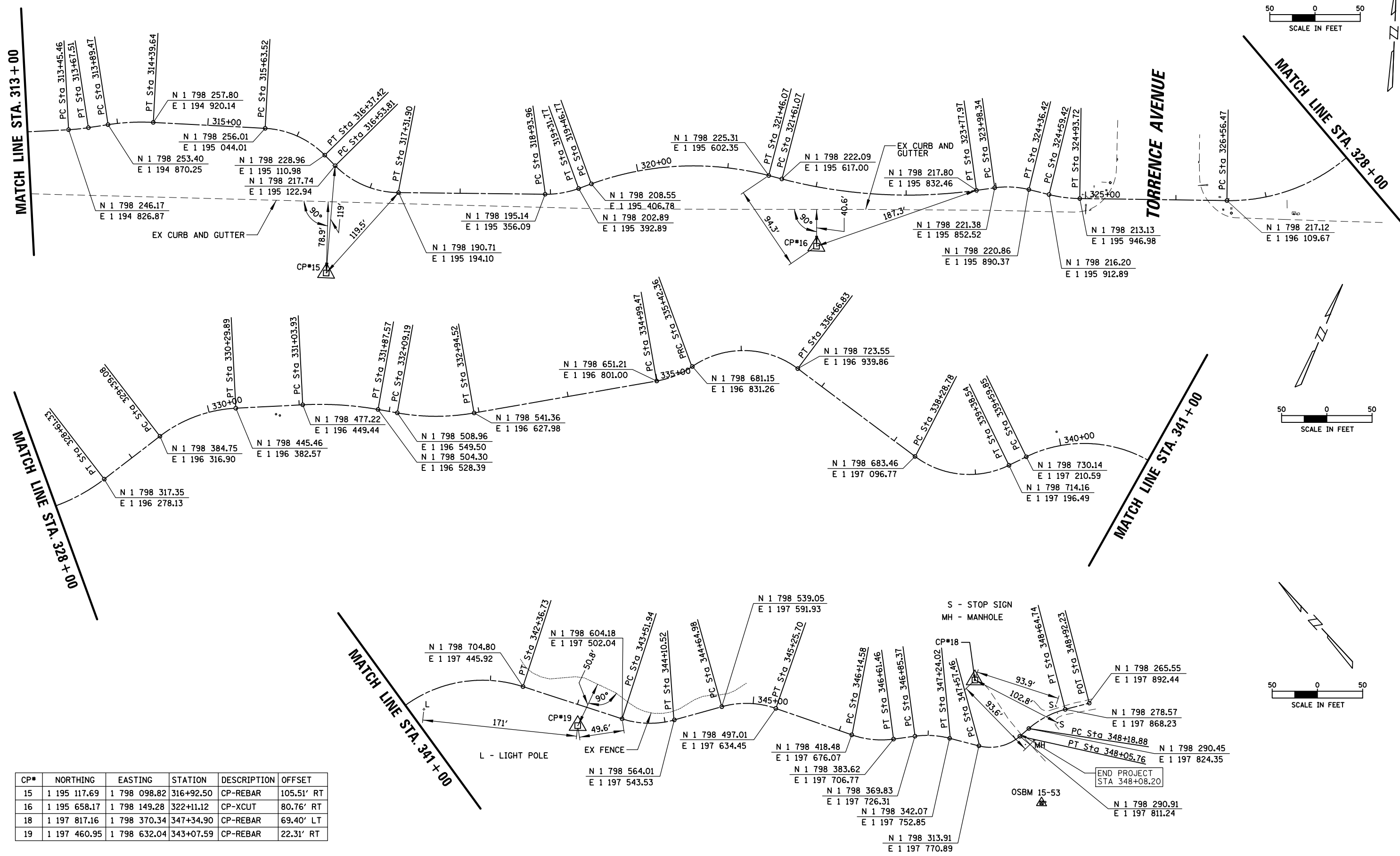
CP#	NORTHING	EASTING	STATION	DESCRIPTION	OFFSET
12	1 193 350.47	1 799 455.51	286+79.01	CP-REBAR	80.76' RT
13	1 193 340.36	1 800 002.24	281+20.21	CP-REBAR	121.57' RT
14	1 193 930.64	1 798 086.82	304+41.00	CP-REBAR	157.35' RT

ELEVATION BENCHMARKS DATUM: NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 15-50	SQUARE CUT ON THE NORTHEAST CORNER OF CONC. FOUNDATION OF TRAFFIC SIGNAL CABINET LOCATED AT THE SOUTHWEST CORNER OF PAXTON AVE & US 5 (159TH ST)	601.08
OSBM 15-51	60D NAIL FOUND IN EASTERLY FACE OF TIMBER POWER POLE (WITH LIGHT) LOCATED ON NORTH SIDE OF ENTRANCE TO BUILDING 2 158TH PLACE	600.30
OSBM 15-52	MINI RAILROAD SPIKE SET IN NORTHERLY FACE OF THIRD POWER POLE EAST OF RING ROAD LOCATED ON THE SOUTH SIDE OF 159TH ST	602.23
OSBM 15-53	SQUARE CUT SET ON NORTHWEST CORNER OF CONC. BOARDER OF TRAFFIC SIGNAL HANDHOLE LOCATED AT THE NORTHWEST CORNER OF ENTRANCE TO GREEN LAKE WOOD / GREEN LAKE FAMILY AQUATIC CENTER	601.61



OSBM 15-50

MATCH LINE STA. 313 + 00



CP#	NORTHING	EASTING	STATION	DESCRIPTION	OFFSET
15	1 195 117.69	1 798 098.82	316+92.50	CP-REBAR	105.51' RT
16	1 195 658.17	1 798 149.28	322+11.12	CP-XCUT	80.76' RT
18	1 197 817.16	1 798 370.34	347+34.90	CP-REBAR	69.40' LT
19	1 197 460.95	1 798 632.04	343+07.59	CP-REBAR	22.31' RT

PROP. CURVE SANDRIDGE1  
PI STA. = 281+32.79  
Δ = 14° 20' 26" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 12.58'  
L = 25.03'  
E = 0.79'  
P.C. STA. = 281+20.21  
P.T. STA. = 281+45.24

PROP. CURVE SANDRIDGE2  
PI STA. = 282+50.44  
Δ = 20° 46' 16" (LT)  
D = 31° 49' 52"  
R = 180.00'  
T = 32.99'  
L = 65.25'  
E = 3.00'  
P.C. STA. = 282+17.45  
P.T. STA. = 282+82.70

PROP. CURVE SANDRIDGE3  
PI STA. = 283+77.79  
Δ = 13° 54' 29" (RT)  
D = 14° 52' 55"  
R = 385.00'  
T = 46.96'  
L = 93.46'  
E = 2.85'  
P.C. STA. = 283+30.83  
P.T. STA. = 284+24.28

PROP. CURVE SANDRIDGE4  
PI STA. = 284+75.53  
Δ = 15° 33' 51" (LT)  
D = 15° 16' 44"  
R = 375.00'  
T = 51.25'  
L = 101.87'  
E = 3.49'  
P.C. STA. = 284+24.28  
P.T. STA. = 285+26.15

PROP. CURVE SANDRIDGE5  
PI STA. = 286+13.44  
Δ = 20° 49' 34" (RT)  
D = 12° 03' 44"  
R = 475.00'  
T = 87.29'  
L = 172.66'  
E = 7.95'  
P.C. STA. = 285+26.15  
P.T. STA. = 286+98.81

PROP. CURVE SANDRIDGE6  
PI STA. = 287+90.59  
Δ = 14° 00' 41" (LT)  
D = 29° 22' 57"  
R = 195.00'  
T = 23.96'  
L = 47.69'  
E = 1.47'  
P.C. STA. = 287+66.63  
P.T. STA. = 288+14.31

PROP. CURVE SANDRIDGE7  
PI STA. = 291+44.44  
Δ = 20° 59' 12" (LT)  
D = 57° 17' 45"  
R = 100.00'  
T = 18.52'  
L = 36.63'  
E = 1.70'  
P.C. STA. = 291+25.92  
P.T. STA. = 291+62.54

PROP. CURVE SANDRIDGE8  
PI STA. = 292+35.47  
Δ = 41° 20' 09" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 37.72'  
L = 72.14'  
E = 6.88'  
P.C. STA. = 291+97.74  
P.T. STA. = 292+69.89

PROP. CURVE SANDRIDGE9  
PI STA. = 293+19.74  
Δ = 21° 44' 17" (LT)  
D = 57° 17' 45"  
R = 100.00'  
T = 19.20'  
L = 37.94'  
E = 1.83'  
P.C. STA. = 293+00.54  
P.T. STA. = 293+38.48

PROP. CURVE SANDRIDGE10  
PI STA. = 297+19.67  
Δ = 1° 23' 20" (RT)  
D = 4° 46' 29"  
R = 1,200.00'  
T = 14.54'  
L = 29.09'  
E = 0.09'  
P.C. STA. = 297+05.13  
P.T. STA. = 297+34.21

PROP. CURVE SANDRIDGE11  
PI STA. = 299+33.58  
Δ = 85° 52' 40" (LT)  
D = 49° 49' 21"  
R = 115.00'  
T = 107.01'  
L = 172.37'  
E = 42.09'  
P.C. STA. = 298+26.57  
P.T. STA. = 299+98.94

PROP. CURVE SANDRIDGE12  
PI STA. = 301+57.15  
Δ = 48° 43' 34" (LT)  
D = 57° 17' 45"  
R = 100.00'  
T = 45.28'  
L = 85.04'  
E = 9.78'  
P.C. STA. = 301+11.86  
P.T. STA. = 301+96.90

PROP. CURVE SANDRIDGE13  
PI STA. = 302+70.74  
Δ = 51° 11' 37" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 47.91'  
L = 89.35'  
E = 10.88'  
P.C. STA. = 302+22.83  
P.T. STA. = 303+12.18

PROP. CURVE SANDRIDGE14  
PI STA. = 304+95.25  
Δ = 34° 17' 52" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 30.86'  
L = 59.86'  
E = 4.65'  
P.C. STA. = 304+64.40  
P.T. STA. = 305+24.26

PROP. CURVE SANDRIDGE15  
PI STA. = 305+80.66  
Δ = 41° 01' 40" (LT)  
D = 57° 17' 45"  
R = 100.00'  
T = 37.42'  
L = 71.61'  
E = 6.77'  
P.C. STA. = 305+43.25  
P.T. STA. = 306+14.85

PROP. CURVE SANDRIDGE16  
PI STA. = 310+73.63  
Δ = 25° 42' 02" (LT)  
D = 29° 22' 57"  
R = 195.00'  
T = 44.48'  
L = 87.47'  
E = 5.01'  
P.C. STA. = 310+29.15  
P.T. STA. = 311+16.61

PROP. CURVE SANDRIDGE17  
PI STA. = 311+75.69  
Δ = 21° 02' 53" (RT)  
D = 31° 49' 52"  
R = 180.00'  
T = 33.44'  
L = 66.12'  
E = 3.08'  
P.C. STA. = 311+42.25  
P.T. STA. = 312+08.37

PROP. CURVE SANDRIDGE18  
PI STA. = 313+56.50  
Δ = 5° 44' 36" (LT)  
D = 26° 02' 37"  
R = 220.00'  
T = 11.04'  
L = 22.05'  
E = 0.28'  
P.C. STA. = 313+45.46  
P.T. STA. = 313+67.51

PROP. CURVE SANDRIDGE19  
PI STA. = 314+14.64  
Δ = 11° 43' 59" (RT)  
D = 23° 23' 10"  
R = 245.00'  
T = 25.17'  
L = 50.17'  
E = 1.29'  
P.C. STA. = 313+89.47  
P.T. STA. = 314+39.64

PROP. CURVE SANDRIDGE20  
PI STA. = 316+02.25  
Δ = 42° 20' 39" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 38.73'  
L = 73.90'  
E = 7.24'  
P.C. STA. = 315+63.52  
P.T. STA. = 316+37.42

PROP. CURVE SANDRIDGE21  
PI STA. = 316+94.97  
Δ = 44° 44' 24" (LT)  
D = 57° 17' 45"  
R = 100.00'  
T = 41.16'  
L = 78.09'  
E = 8.14'  
P.C. STA. = 316+53.81  
P.T. STA. = 317+31.90

PROP. CURVE SANDRIDGE22  
PI STA. = 319+13.07  
Δ = 20° 37' 48" (LT)  
D = 54° 34' 03"  
R = 105.00'  
T = 19.11'  
L = 37.81'  
E = 1.72'  
P.C. STA. = 318+93.96  
P.T. STA. = 319+31.77

PROP. CURVE SANDRIDGE23  
PI STA. = 320+49.56  
Δ = 34° 36' 13" (RT)  
D = 17° 21' 44"  
R = 330.00'  
T = 102.80'  
L = 199.30'  
E = 15.64'  
P.C. STA. = 319+46.77  
P.T. STA. = 321+46.07

PROP. CURVE SANDRIDGE24  
PI STA. = 322+70.94  
Δ = 22° 31' 43" (LT)  
D = 10° 23' 12"  
R = 551.62'  
T = 109.87'  
L = 216.90'  
E = 10.83'  
P.C. STA. = 321+61.07  
P.T. STA. = 323+77.97

PROP. CURVE SANDRIDGE25  
PI STA. = 324+17.62  
Δ = 21° 49' 11" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 19.27'  
L = 38.08'  
E = 1.84'  
P.C. STA. = 323+98.34  
P.T. STA. = 324+36.42

PROP. CURVE SANDRIDGE26  
PI STA. = 324+76.65  
Δ = 13° 06' 09" (LT)  
D = 38° 11' 50"  
R = 150.00'  
T = 17.23'  
L = 34.30'  
E = 0.99'  
P.C. STA. = 324+59.42  
P.T. STA. = 324+93.72

PROP. CURVE SANDRIDGE27  
PI STA. = 327+68.90  
Δ = 58° 41' 18" (LT)  
D = 28° 38' 52"  
R = 200.00'  
T = 112.44'  
L = 204.86'  
E = 29.44'  
P.C. STA. = 326+56.47  
P.T. STA. = 328+61.33

PROP. CURVE SANDRIDGE28  
PI STA. = 329+85.93  
Δ = 34° 41' 14" (RT)  
D = 38° 11' 50"  
R = 150.00'  
T = 46.85'  
L = 90.81'  
E = 7.14'  
P.C. STA. = 329+39.08  
P.T. STA. = 330+29.89

PROP. CURVE SANDRIDGE29  
PI STA. = 331+45.93  
Δ = 12° 57' 08" (RT)  
D = 15° 29' 07"  
R = 370.00'  
T = 42.00'  
L = 83.64'  
E = 2.38'  
P.C. STA. = 331+03.93  
P.T. STA. = 331+87.57

PROP. CURVE SANDRIDGE30  
PI STA. = 332+52.29  
Δ = 19° 57' 21" (LT)  
D = 23° 23' 10"  
R = 245.00'  
T = 43.10'  
L = 85.33'  
E = 3.76'  
P.C. STA. = 332+09.19  
P.T. STA. = 332+94.52

PROP. CURVE SANDRIDGE31  
PI STA. = 335+21.25  
Δ = 24° 34' 27" (LT)  
D = 57° 17' 45"  
R = 100.00'  
T = 21.78'  
L = 42.89'  
E = 2.34'  
P.C. STA. = 334+99.47  
P.T. STA. = 335+42.36

PROP. CURVE SANDRIDGE32  
PI STA. = 336+14.11  
Δ = 71° 18' 56" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 71.75'  
L = 124.47'  
E = 23.07'  
P.C. STA. = 335+42.36  
P.T. STA. = 336+66.83

PROP. CURVE SANDRIDGE33  
PI STA. = 338+89.93  
Δ = 62° 53' 14" (LT)  
D = 57° 17' 45"  
R = 100.00'  
T = 61.14'  
L = 109.76'  
E = 17.21'  
P.C. STA. = 338+28.78  
P.T. STA. = 339+38.54

PROP. CURVE SANDRIDGE34  
PI STA. = 341+64.67  
Δ = 109° 24' 24" (RT)  
D = 39° 30' 52"  
R = 145.00'  
T = 204.82'  
L = 276.88'  
E = 105.95'  
P.C. STA. = 339+59.85  
P.T. STA. = 342+36.73

PROP. CURVE SANDRIDGE35  
PI STA. = 343+82.10  
Δ = 33° 33' 57" (LT)  
D = 57° 17' 45"  
R = 100.00'  
T = 30.16'  
L = 58.58'  
E = 4.45'  
P.C. STA. = 343+51.94  
P.T. STA. = 344+10.52

PROP. CURVE SANDRIDGE36  
PI STA. = 344+96.31  
Δ = 34° 47' 15" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 31.33'  
L = 60.72'  
E = 4.79'  
P.C. STA. = 344+64.98  
P.T. STA. = 345+25.70

PROP. CURVE SANDRIDGE37  
PI STA. = 346+38.46  
Δ = 26° 51' 33" (LT)  
D = 57° 17' 45"  
R = 100.00'  
T = 23.88'  
L = 46.88'  
E = 2.81'  
P.C. STA. = 346+14.58  
P.T. STA. = 346+61.46

PROP. CURVE SANDRIDGE38  
PI STA. = 347+04.94  
Δ = 22° 08' 36" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 19.57'  
L = 38.65'  
E = 1.90'  
P.C. STA. = 346+85.37  
P.T. STA. = 347+24.02

PROP. CURVE SANDRIDGE39  
PI STA. = 347+83.68  
Δ = 55° 20' 52" (LT)  
D = 114° 35' 30"  
R = 50.00'  
T = 26.22'  
L = 48.30'  
E = 6.46'  
P.C. STA. = 347+57.46  
P.T. STA. = 348+05.76








PROP. CURVE SANDRIDGE40  
PI STA. = 348+42.22  
Δ = 26° 16' 39" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 23.34'  
L = 45.86'  
E = 2.69'  
P.C. STA. = 348+18.88  
P.T. STA. = 348+64.74

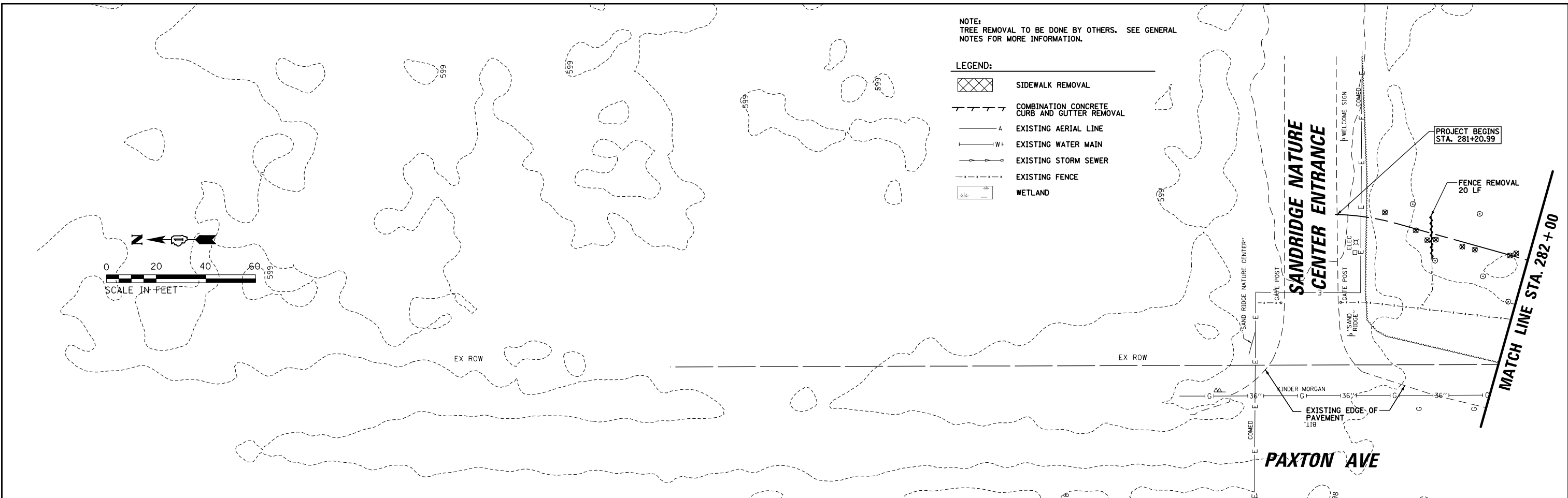
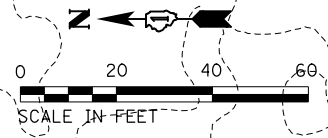
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N:\COOK COUNTY FPD\140501.0002\Civil\BNSL140501.03.DGN		DRAWN - MBT	REVISED -					351	13-F3000-24-BT	COOK	76	8
Default	PLOT SCALE = 100'	CHECKED -	REVISED -					CONTRACT NO. 61E95				
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -					SCALE:	SHEET 8	OF 76 SHEETS	STA.	TO STA.



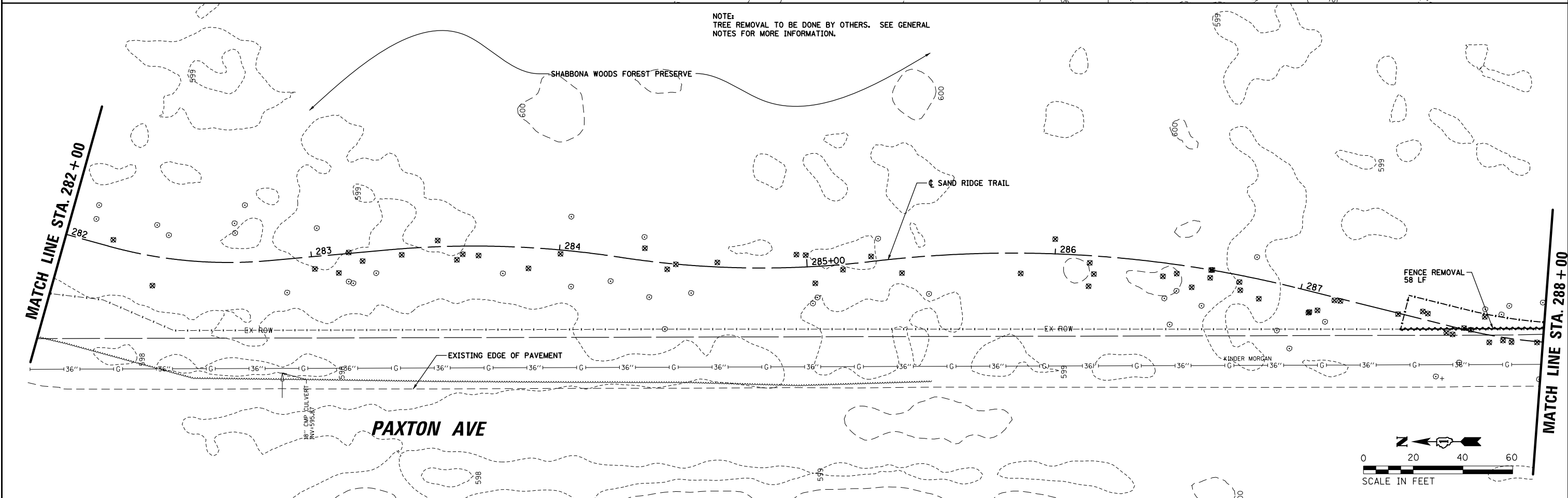
NOTE:  
TREE REMOVAL TO BE DONE BY OTHERS. SEE GENERAL NOTES FOR MORE INFORMATION.

LEGEND:

-  SIDEWALK REMOVAL
-  COMBINATION CONCRETE CURB AND GUTTER REMOVAL
-  EXISTING AERIAL LINE
-  EXISTING WATER MAIN
-  EXISTING STORM SEWER
-  EXISTING FENCE
-  WETLAND



NOTE:  
TREE REMOVAL TO BE DONE BY OTHERS. SEE GENERAL NOTES FOR MORE INFORMATION.



FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -
N:\COOK COUNTY FPD\140501.00\02\Civil\REM\140501-01.DGN		DRAWN - MBT	REVISED -
Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -








STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

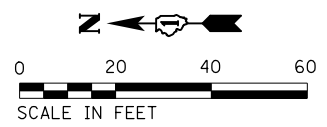
SAND RIDGE TRAIL  
EXISTING CONDITIONS AND REMOVALS

SCALE: SHEET 9 OF 76 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	9
CONTRACT NO. 61E95				
ILLINOIS FED. AID PROJECT				

**LEGEND:**

-  SIDEWALK REMOVAL
-  COMBINATION CONCRETE CURB AND GUTTER REMOVAL
-  EXISTING AERIAL LINE
-  EXISTING WATER MAIN
-  EXISTING STORM SEWER
-  EXISTING FENCE
-  WETLAND



MATCH LINE STA. 288 + 00

MATCH LINE STA. 294 + 00

**PAXTON AVE**

EXISTING EDGE OF PAVEMENT

NOTE:  
TREE REMOVAL TO BE DONE BY OTHERS. SEE GENERAL NOTES FOR MORE INFORMATION.

MATCH LINE STA. 294 + 00

SHABBONA WOODS FOREST PRESERVE

WETLAND LIMIT

BACK OF EXISTING COMBINATION CONCRETE CURB AND GUTTER

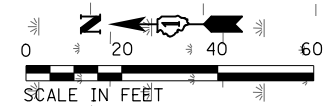
**US RTE 6 (RIVER OAKS DR)**

RELOCATE SIGN PANEL AND POST

**PAXTON AVE**

BACK OF EXISTING COMBINATION CONCRETE CURB AND GUTTER

NOTE:  
TREE REMOVAL TO BE DONE BY OTHERS. SEE GENERAL NOTES FOR MORE INFORMATION.



MATCH LINE STA. 294 + 00

FILE NAME =  
N:\COOK COUNTY FPD\140501.00\02\Civil\REM\140501-02.DGN

USER NAME = mthomas  
PLOT SCALE = 48"  
PLOT DATE = 5/21/2018

DESIGNED - MBT  
DRAWN - MBT  
CHECKED -  
DATE - 06/22/07

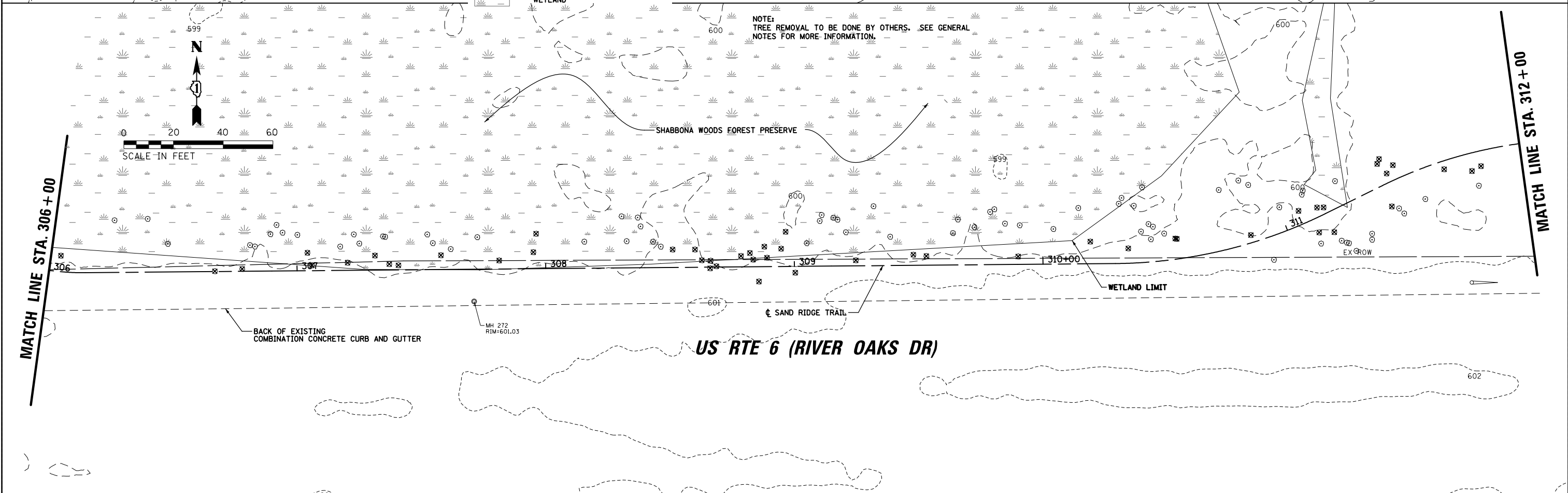
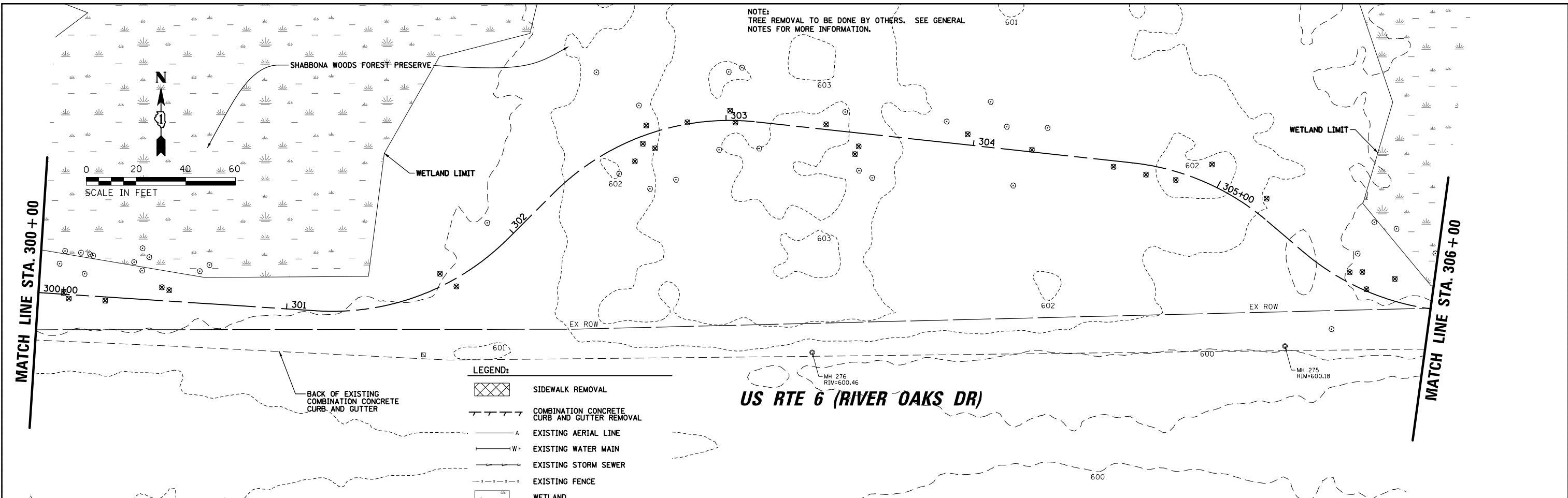
REVISED -  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

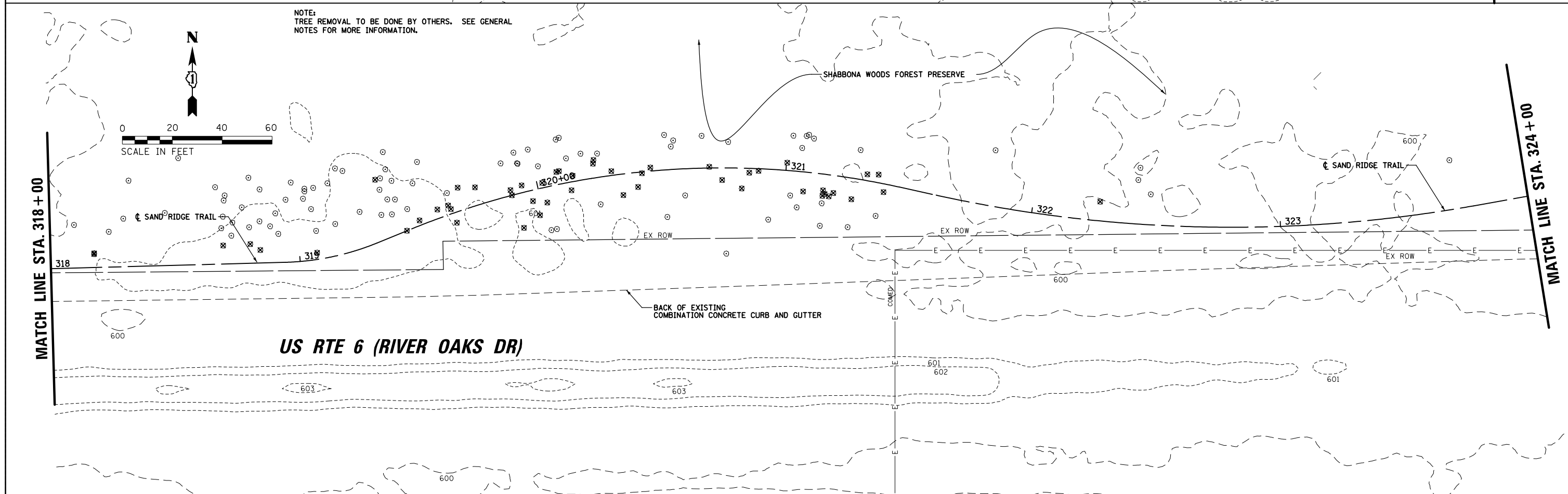
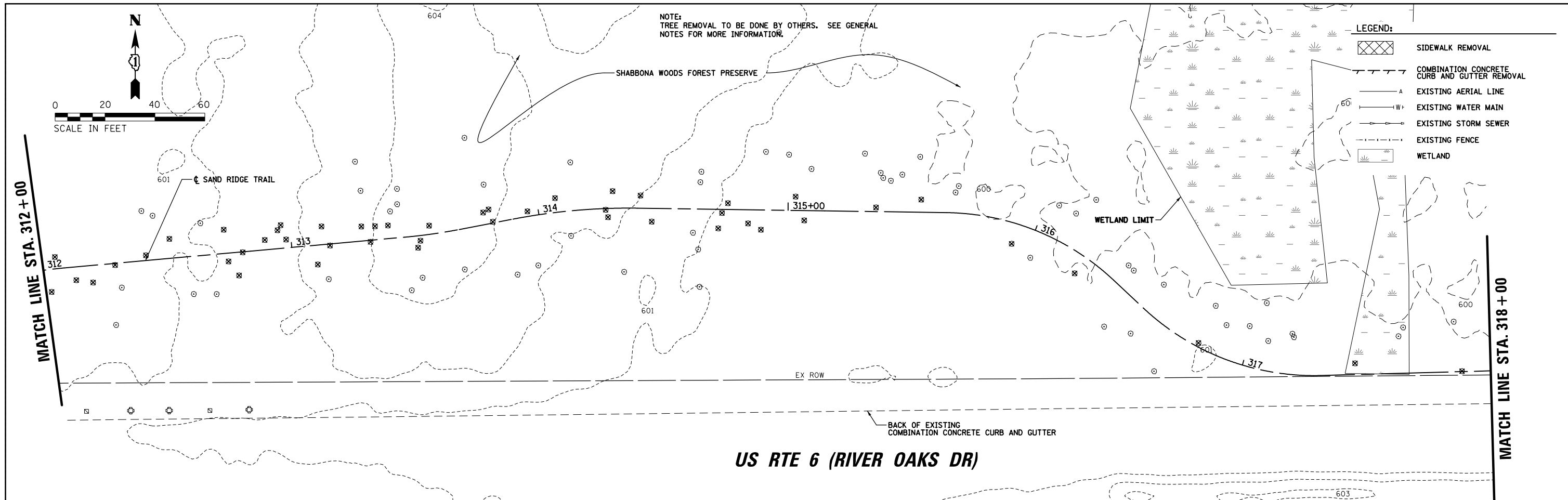
**SAND RIDGE TRAIL  
EXISTING CONDITIONS AND REMOVALS**

SCALE: SHEET 10 OF 76 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	10
CONTRACT NO. 61E95			ILLINOIS FED. AID PROJECT	










FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SAND RIDGE TRAIL EXISTING CONDITIONS AND REMOVALS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
N:\COOK COUNTY FPD\140501.00\02\Civil\REM\140501-03.DGN		DRAWN - MBT	REVISED -		SCALE:	SHEET 11	OF 76 SHEETS	STA.	TO STA.	351	13-F3000-24-BT	COOK	76	11
Default	PLOT SCALE = 48"	CHECKED -	REVISED -		CONTRACT NO. 61E95									
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -		ILLINOIS FED. AID PROJECT									

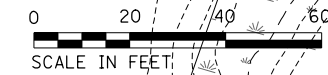
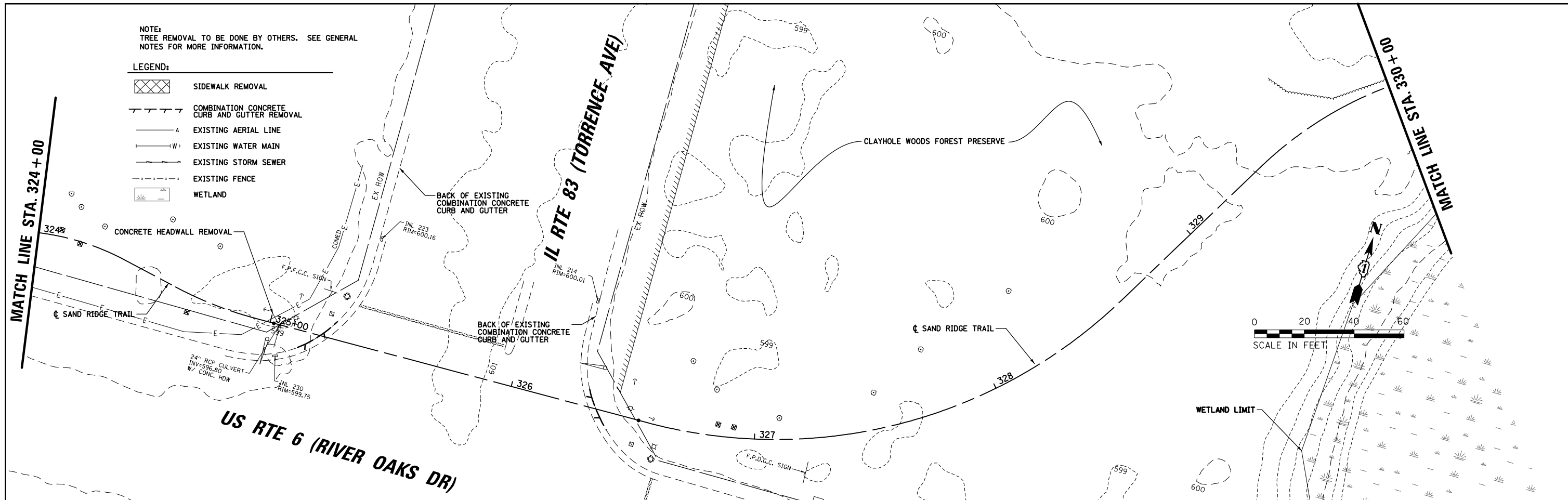


FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SAND RIDGE TRAIL EXISTING CONDITIONS AND REMOVALS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT DATE = 5/21/2018	CHECKED -	REVISED -			<b>CONTRACT NO. 61E95</b>					
	DATE - 06/22/07	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

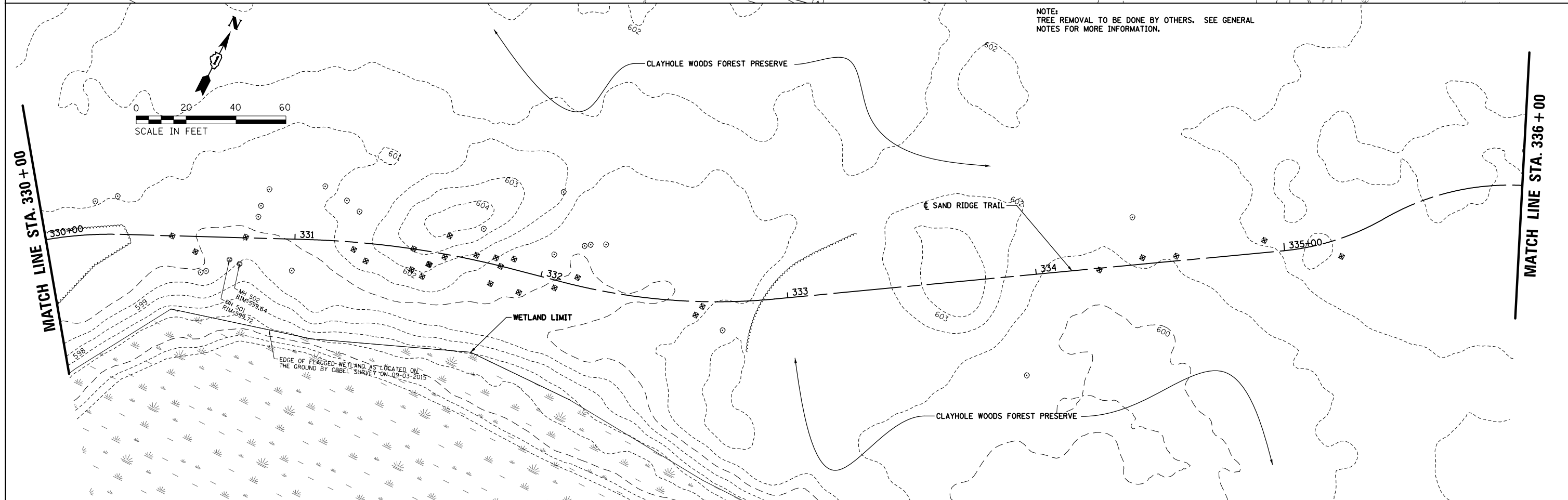
NOTE:  
TREE REMOVAL TO BE DONE BY OTHERS. SEE GENERAL  
NOTES FOR MORE INFORMATION.

LEGEND:

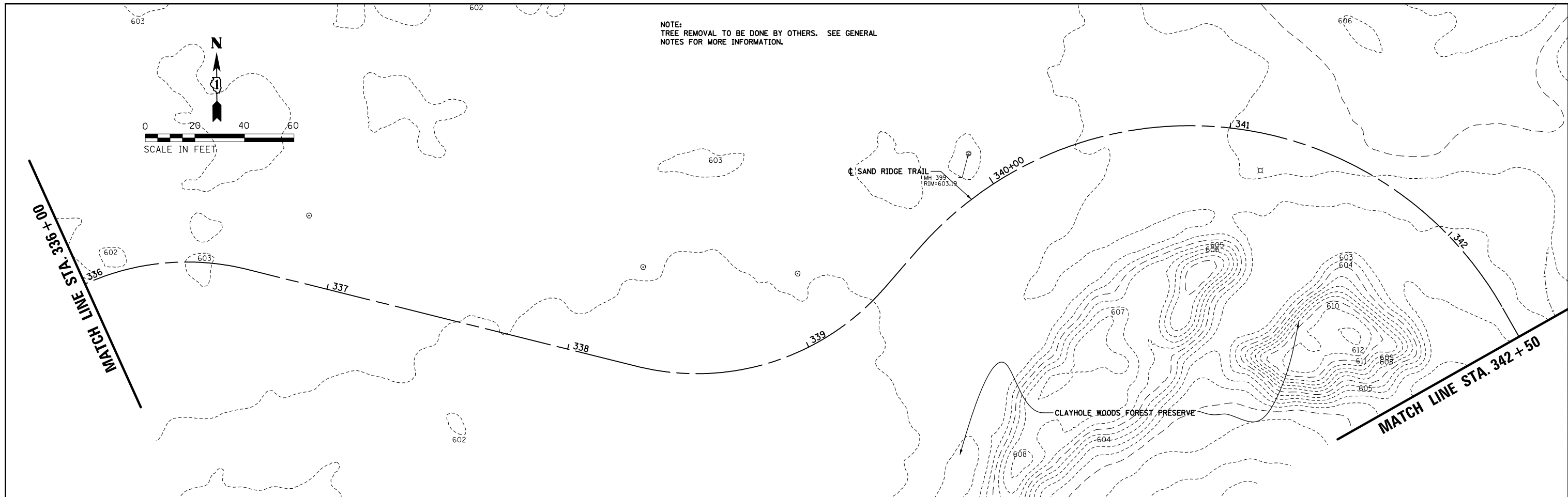
-  SIDEWALK REMOVAL
-  COMBINATION CONCRETE CURB AND GUTTER REMOVAL
-  EXISTING AERIAL LINE
-  EXISTING WATER MAIN
-  EXISTING STORM SEWER
-  EXISTING FENCE
-  WETLAND



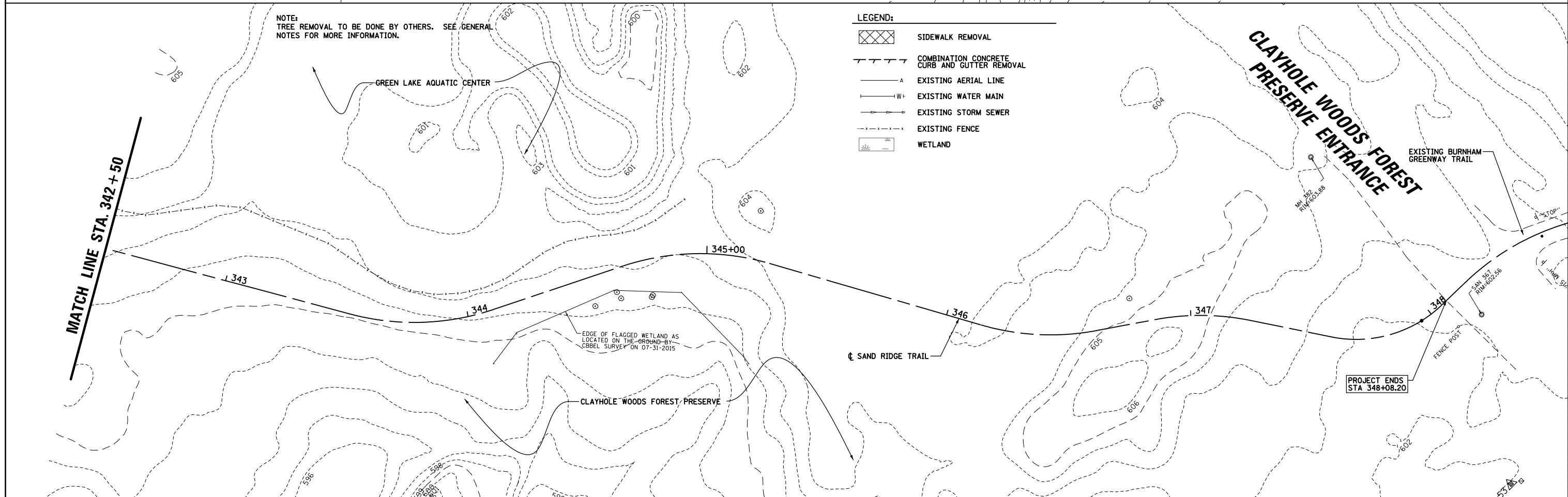
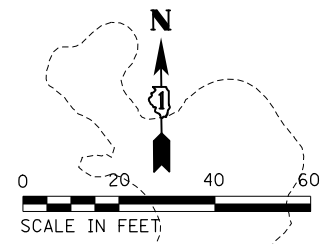
NOTE:  
TREE REMOVAL TO BE DONE BY OTHERS. SEE GENERAL  
NOTES FOR MORE INFORMATION.



FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SAND RIDGE TRAIL EXISTING CONDITIONS AND REMOVALS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\COOK COUNTY FPD\140501.00\02\Civil\REM\140501-05.DGN	PLOT SCALE = 48"	DRAWN - MBT	REVISED -			351	13-F3000-24-BT	COOK	76	13	
Default	PLOT DATE = 5/21/2018	CHECKED -	REVISED -			<b>CONTRACT NO. 61E95</b>					
	DATE - 06/22/07	REVISI	ON			ILLINOIS FED. AID PROJECT					



NOTE:  
TREE REMOVAL TO BE DONE BY OTHERS. SEE GENERAL  
NOTES FOR MORE INFORMATION.



NOTE:  
TREE REMOVAL TO BE DONE BY OTHERS. SEE GENERAL  
NOTES FOR MORE INFORMATION.

- LEGEND:**
- SIDEWALK REMOVAL
  - COMBINATION CONCRETE CURB AND GUTTER REMOVAL
  - EXISTING AERIAL LINE
  - EXISTING WATER MAIN
  - EXISTING STORM SEWER
  - EXISTING FENCE
  - WETLAND

FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -
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Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAND RIDGE TRAIL  
EXISTING CONDITIONS AND REMOVALS**




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	14
CONTRACT NO. 61E95				
ILLINOIS FED. AID PROJECT				

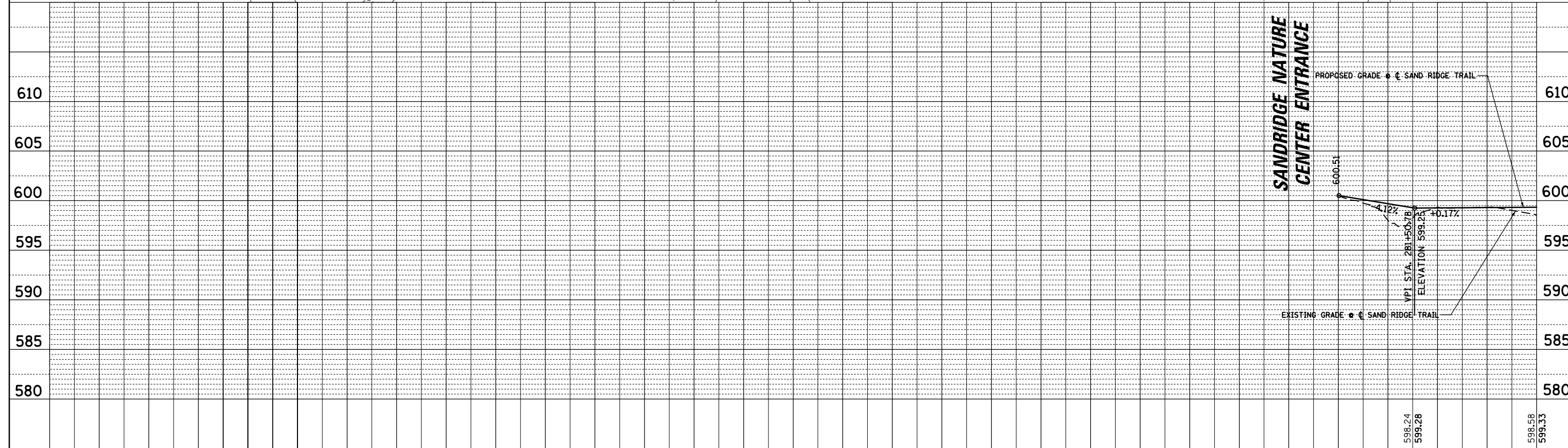
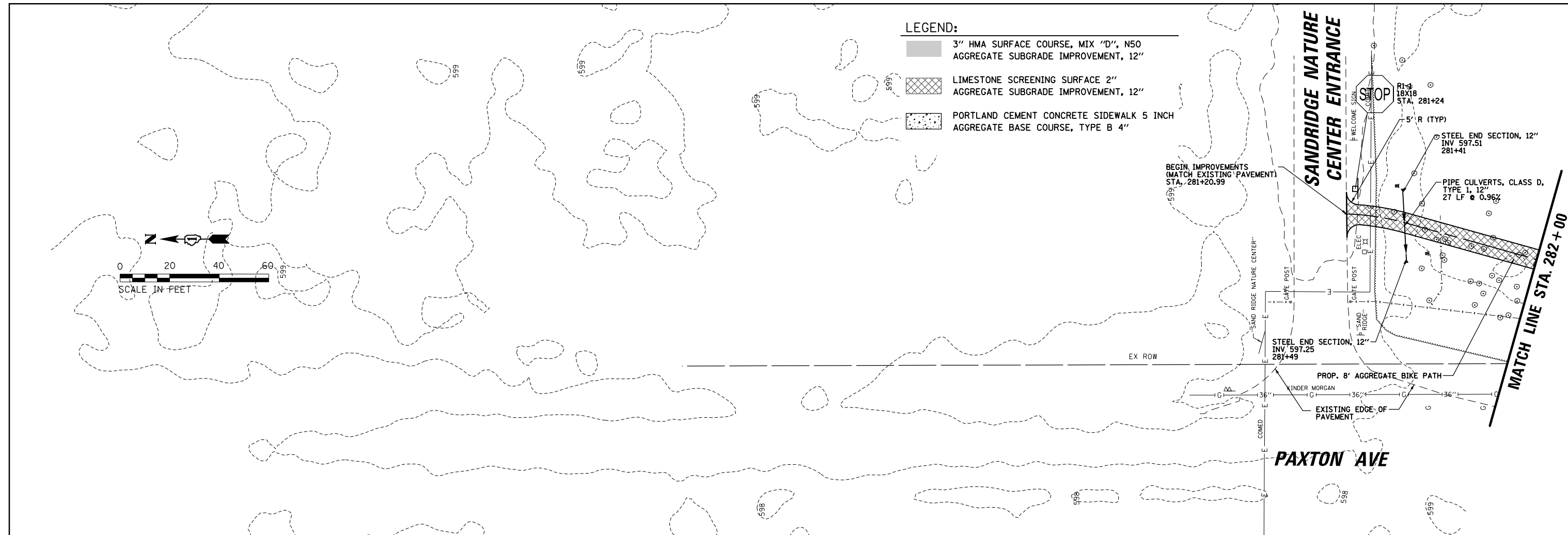
SCALE: SHEET 14 OF 76 SHEETS STA. TO STA.

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	ALIGNED		
	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS		
	NO.		

**LEGEND:**

-  3" HMA SURFACE COURSE, MIX "D", N50  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
-  LIMESTONE SCREENING SURFACE 2"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
-  PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH  
AGGREGATE BASE COURSE, TYPE B 4"



FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -
N:\COOK COUNTY FPD\140501.00002\Civi1\RPP\140501-01.DGN		DRAWN - MBT	REVISED -
Default	PLOT SCALE = 48"	CHECKED - JGS	REVISED -
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -




**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAND RIDGE TRAIL  
PROPOSED PLAN AND PROFILE**

SCALE: SHEET 15 OF 76 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	15
CONTRACT NO. 61E95				
ILLINOIS FED. AID PROJECT				

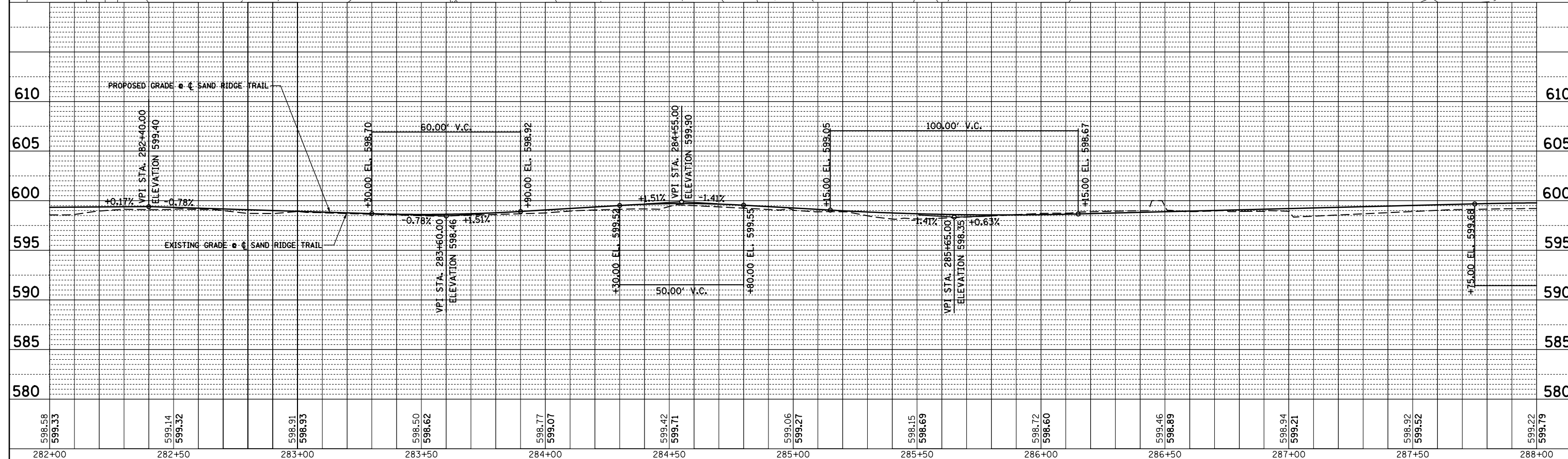
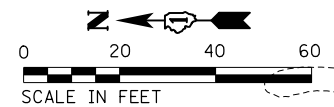
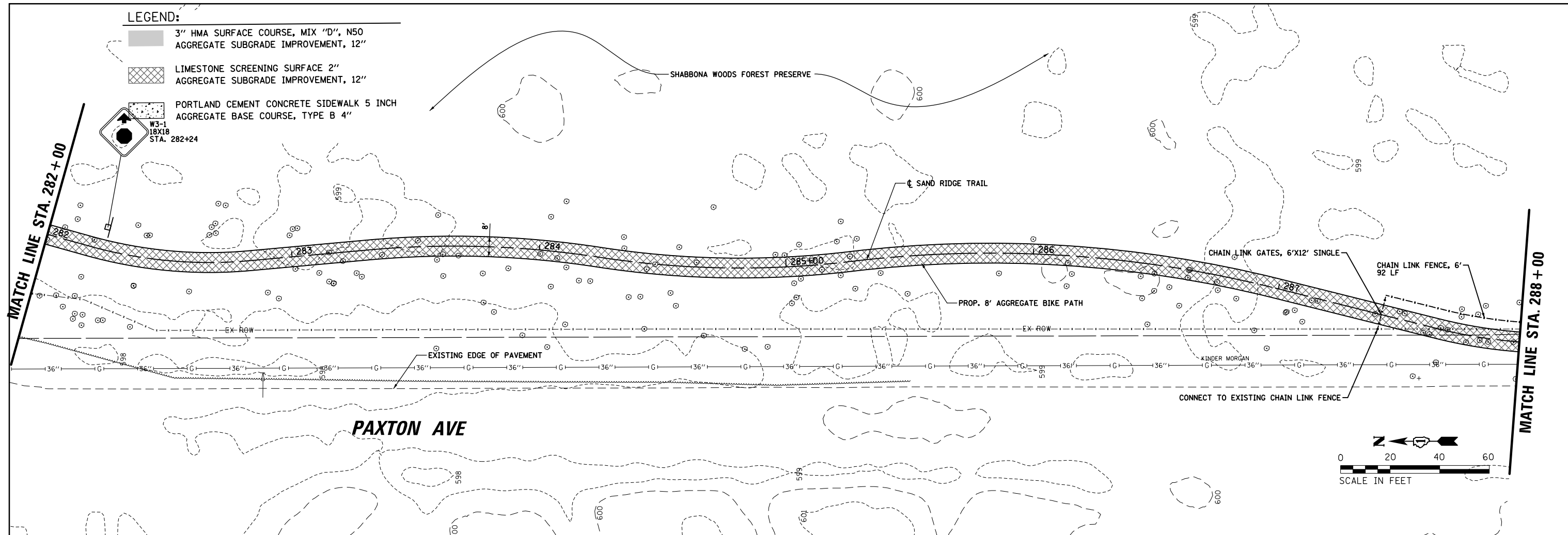
**LEGEND:**

-  3" HMA SURFACE COURSE, MIX "D", N50 AGGREGATE SUBGRADE IMPROVEMENT, 12"
-  LIMESTONE SCREENING SURFACE 2" AGGREGATE SUBGRADE IMPROVEMENT, 12"
-  PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4"



PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



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Default	PLOT SCALE = 48"	CHECKED - JGS	REVISED -
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAND RIDGE TRAIL  
PROPOSED PLAN AND PROFILE**

SCALE: SHEET 16 OF 76 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	16
CONTRACT NO. 61E95				

ILLINOIS FED. AID PROJECT

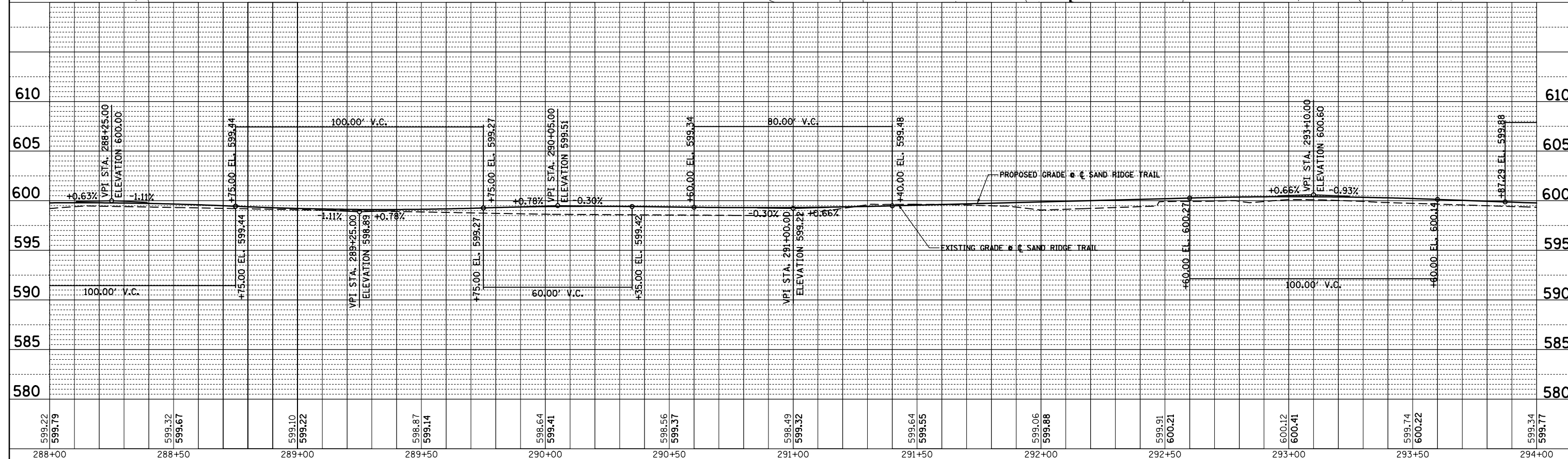
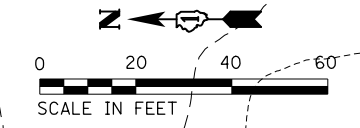
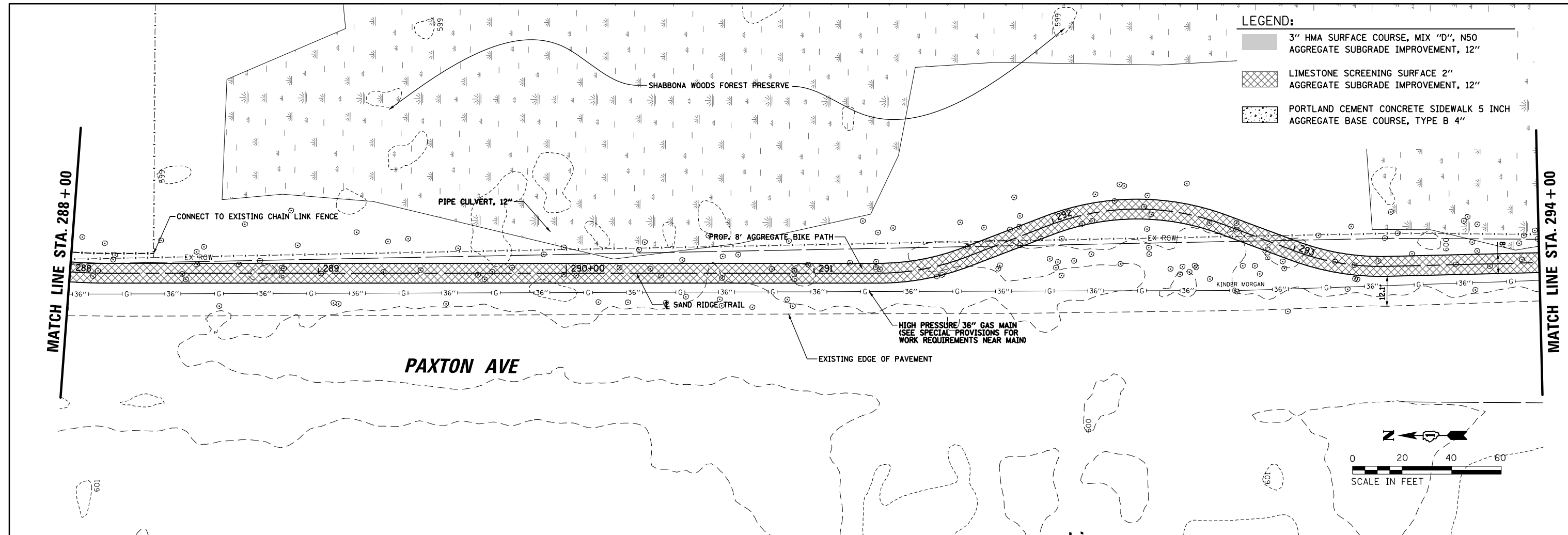


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	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

**LEGEND:**

	3" HMA SURFACE COURSE, MIX "D", N50 AGGREGATE SUBGRADE IMPROVEMENT, 12"
	LIMESTONE SCREENING SURFACE 2" AGGREGATE SUBGRADE IMPROVEMENT, 12"
	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4"



FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -
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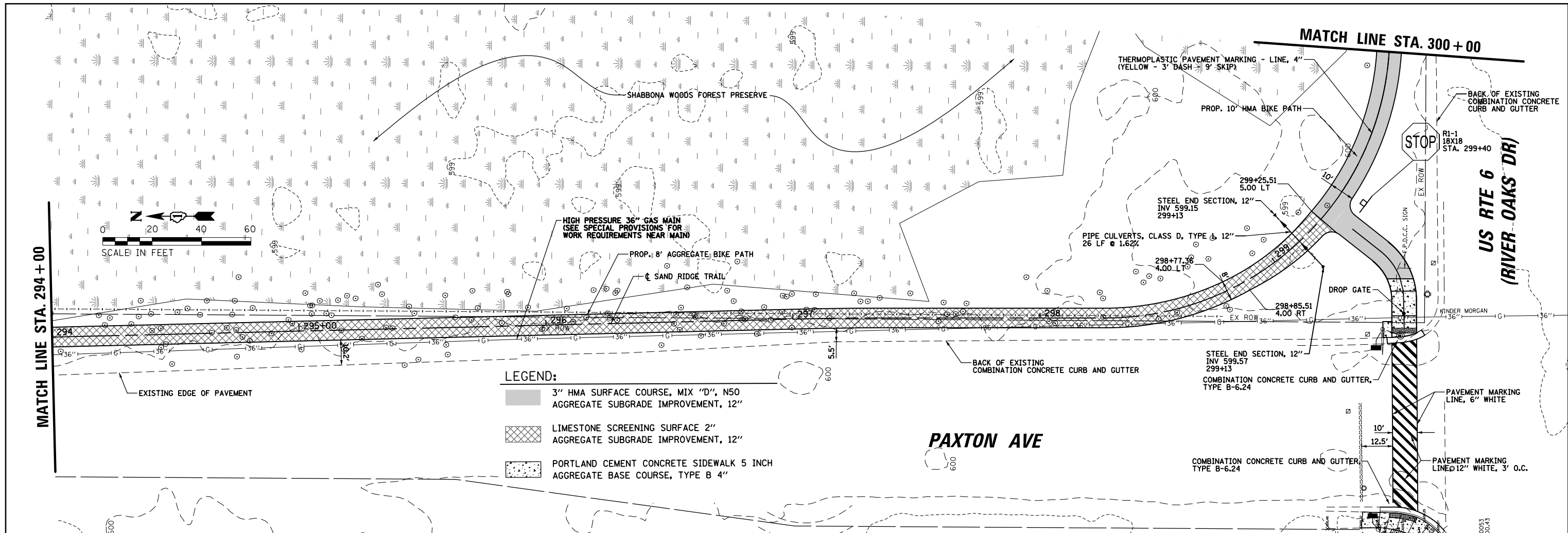
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>SAND RIDGE TRAIL</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>PROPOSED PLAN AND PROFILE</b>		351	13-F3000-24-BT	COOK	76	17
		CONTRACT NO. 61E95				

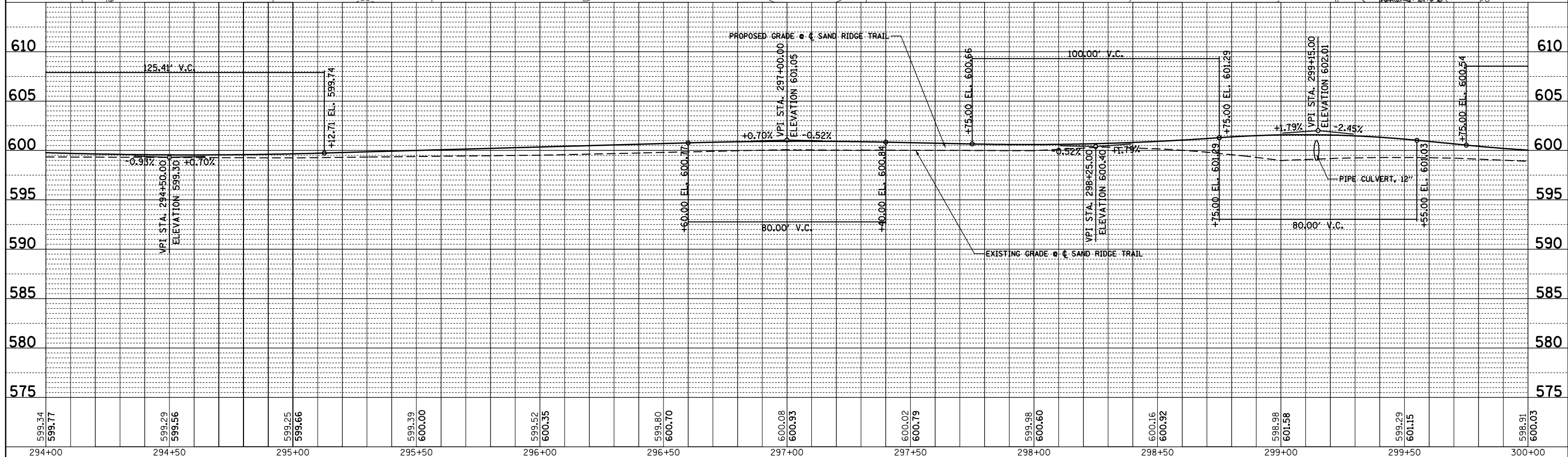
SCALE: SHEET 17 OF 76 SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
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	NOTE BOOK NO.	
	FILE NAME	



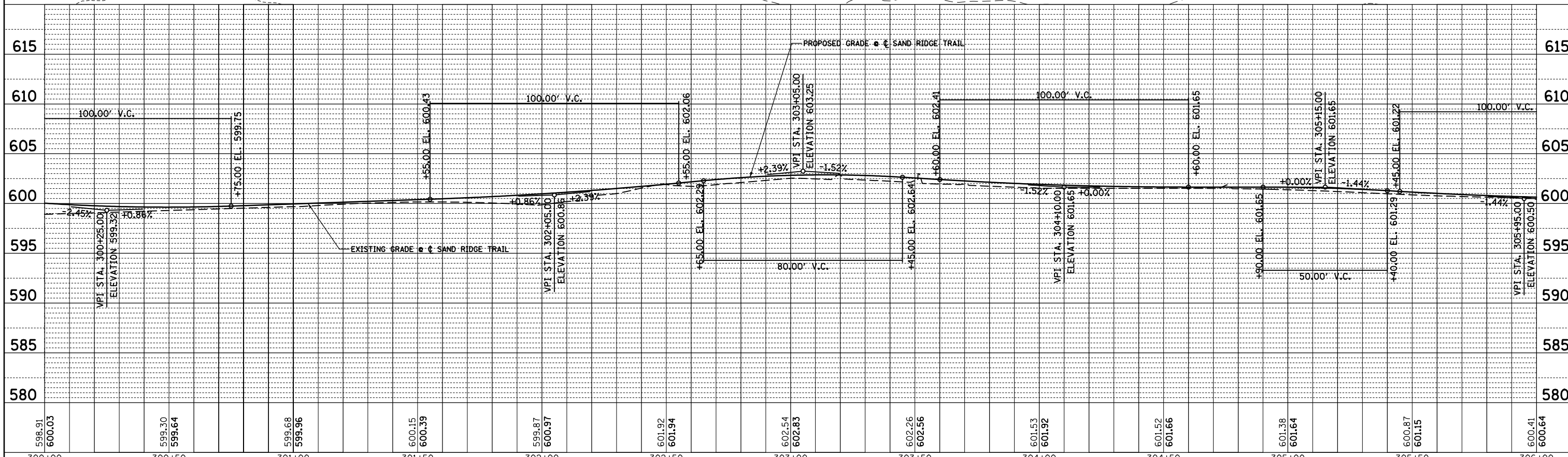
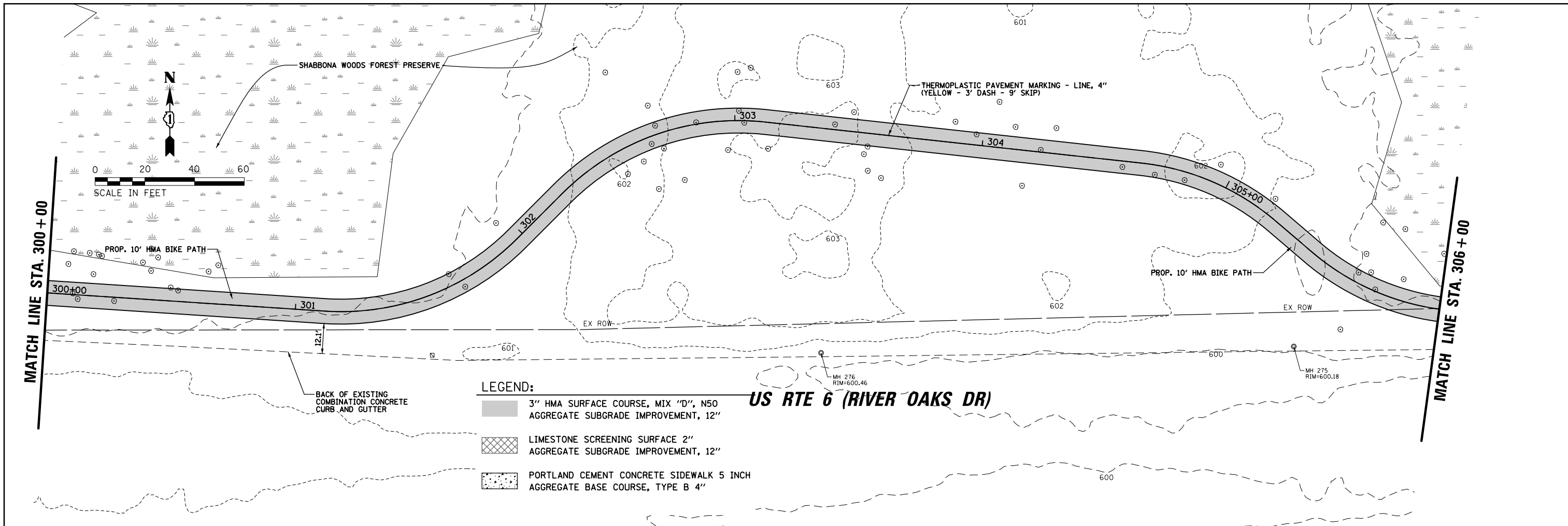
- LEGEND:**
- 3" HMA SURFACE COURSE, MIX "D", N50  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
  - LIMESTONE SCREENING SURFACE 2"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
  - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH  
AGGREGATE BASE COURSE, TYPE B 4"



FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SAND RIDGE TRAIL PROPOSED PLAN AND PROFILE</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 48"	CHECKED - JGS	REVISED -			CONTRACT NO. 61E95					
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -			ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO. _____	
	FILE NAME _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
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	FILE NAME _____	



FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

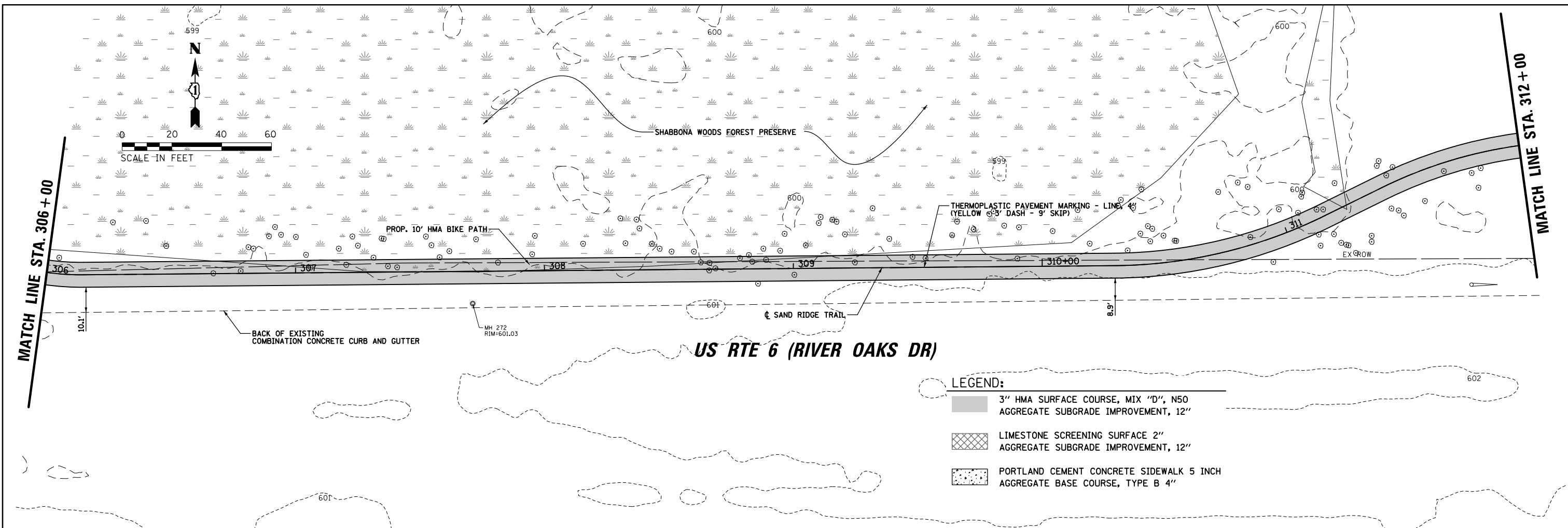
**SAND RIDGE TRAIL  
PROPOSED PLAN AND PROFILE**

SCALE: SHEET 19 OF 76 SHEETS STA. TO STA.

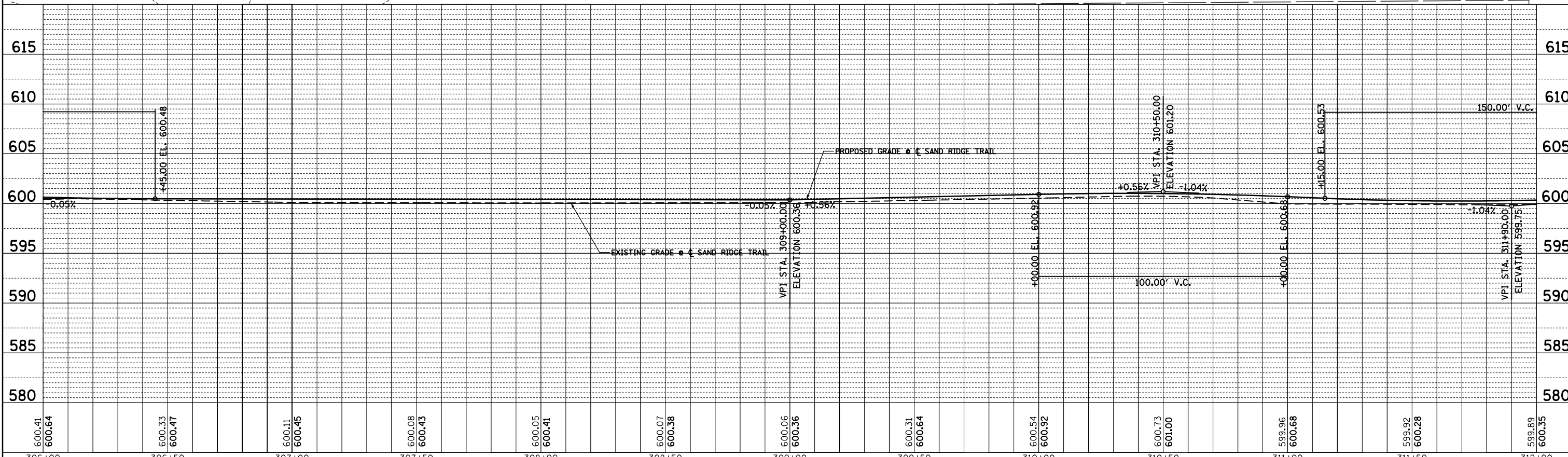
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	19
CONTRACT NO. 61E95			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
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	ALIGNED		
	CHECKED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS		
	NO.		



- LEGEND:**
- 3" HMA SURFACE COURSE, MIX "D", N50 AGGREGATE SUBGRADE IMPROVEMENT, 12"
  - LIMESTONE SCREENING SURFACE 2" AGGREGATE SUBGRADE IMPROVEMENT, 12"
  - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4"



FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -
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	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

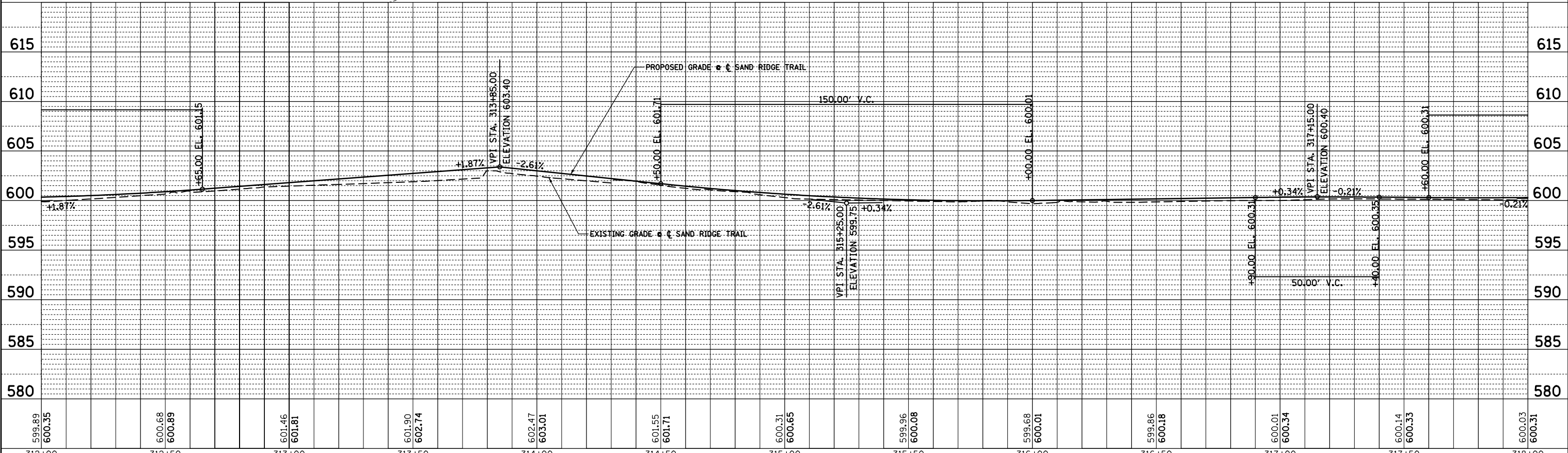
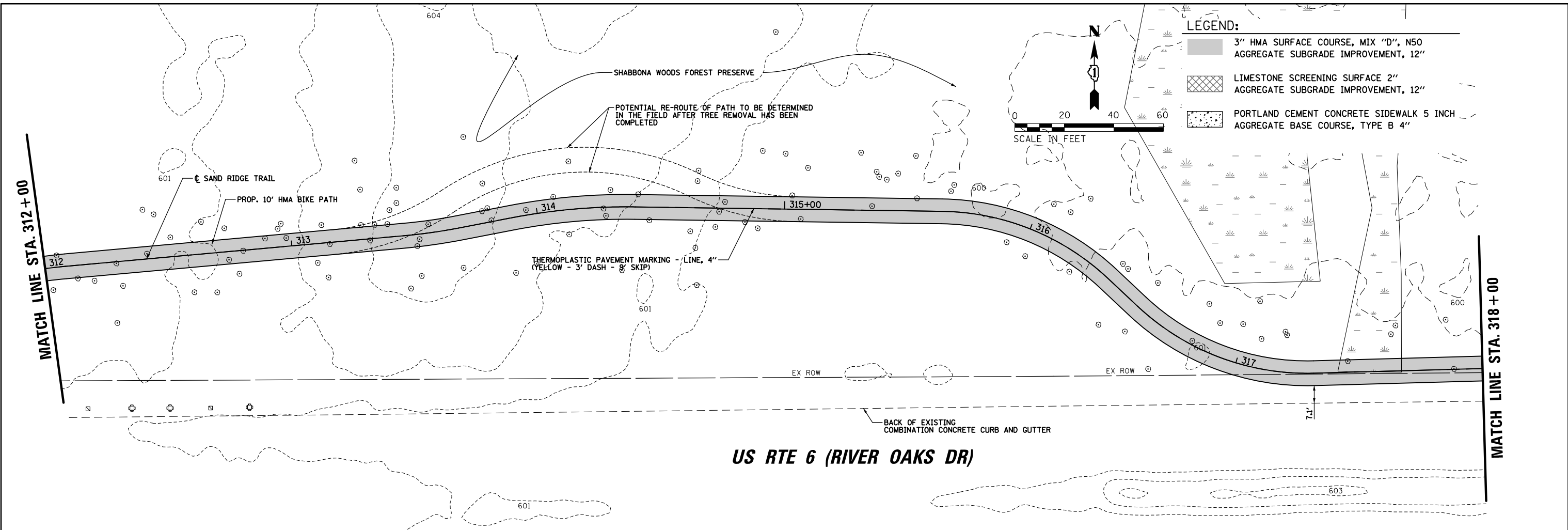
**SAND RIDGE TRAIL  
PROPOSED PLAN AND PROFILE**

SCALE: SHEET 20 OF 76 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	20
CONTRACT NO. 61E95			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	FIELD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	FIELD FILE NAME		






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FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -
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	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SAND RIDGE TRAIL PROPOSED PLAN AND PROFILE	
SCALE:	SHEET 21 OF 76 SHEETS	STA.	TO STA.
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
351	13-F3000-24-BT	COOK	76
		CONTRACT NO.	61E95
ILLINOIS FED. AID PROJECT			

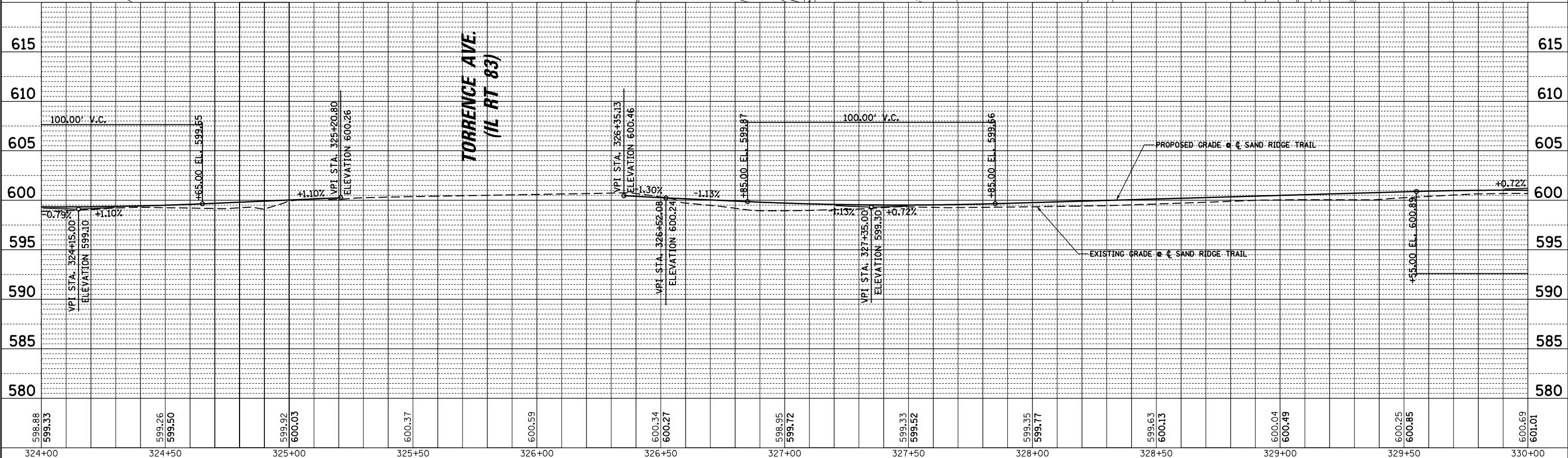
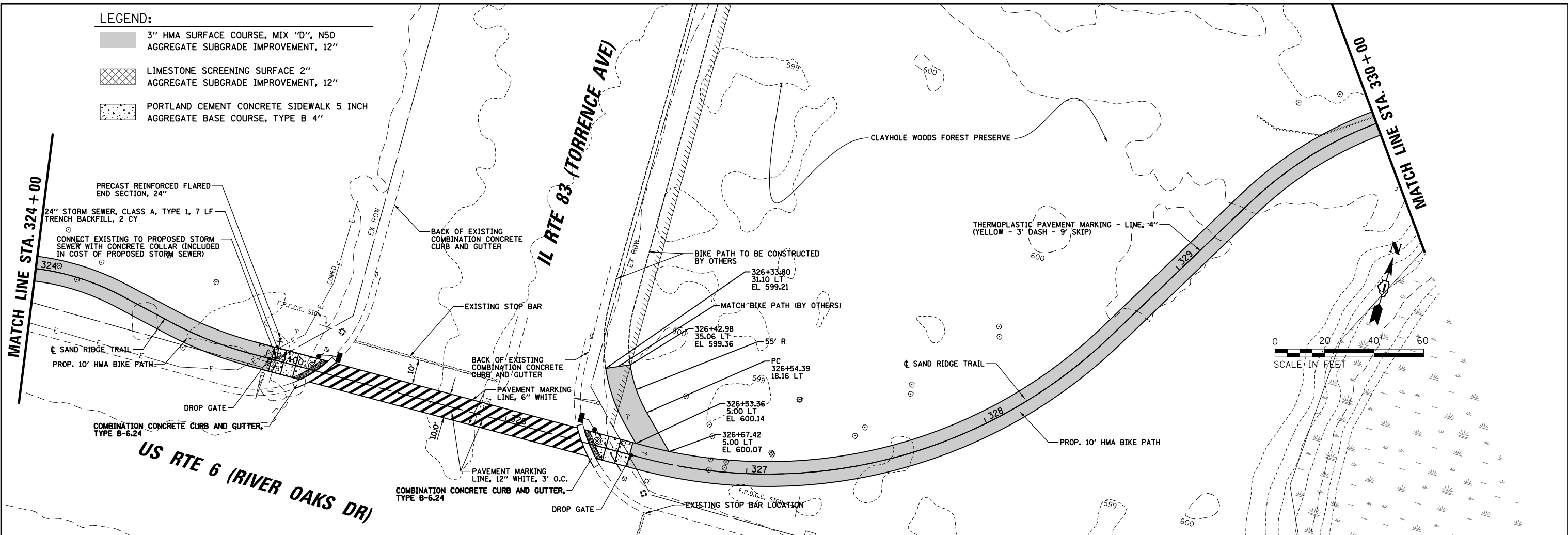


**LEGEND:**

-  3" HMA SURFACE COURSE, MIX "D", N50  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
-  LIMESTONE SCREENING SURFACE 2"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
-  PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH  
AGGREGATE BASE COURSE, TYPE B 4"

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



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	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAND RIDGE TRAIL  
PROPOSED PLAN AND PROFILE**

SCALE: SHEET 23 OF 76 SHEETS STA. TO STA.

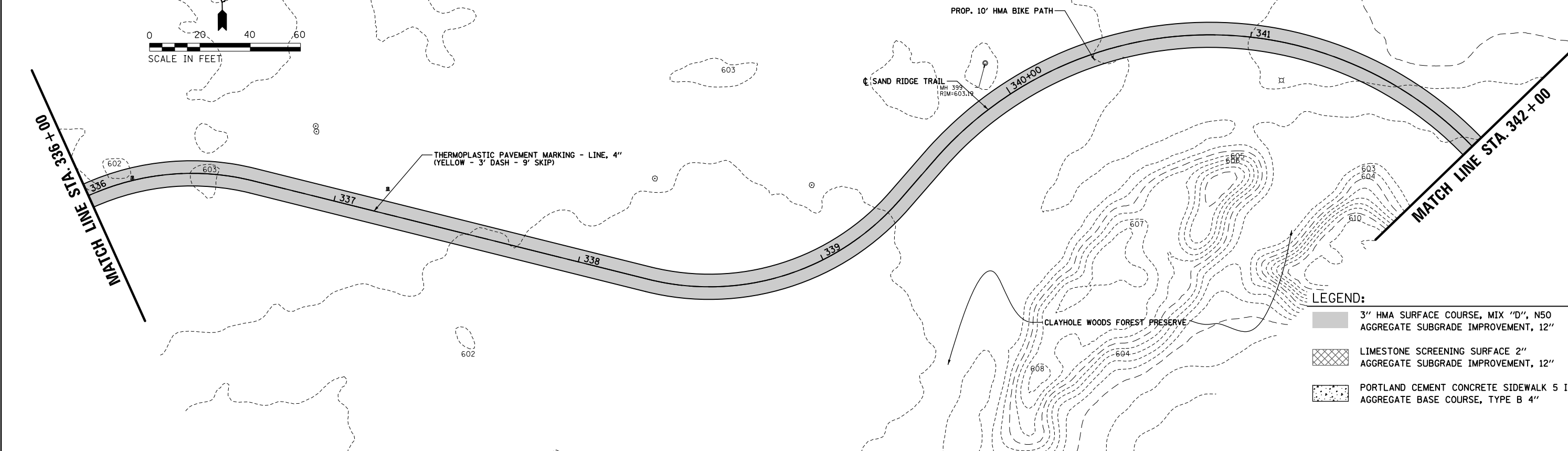
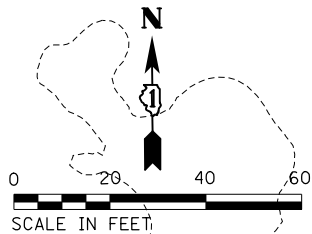
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	23
CONTRACT NO. 61E95				

ILLINOIS FED. AID PROJECT





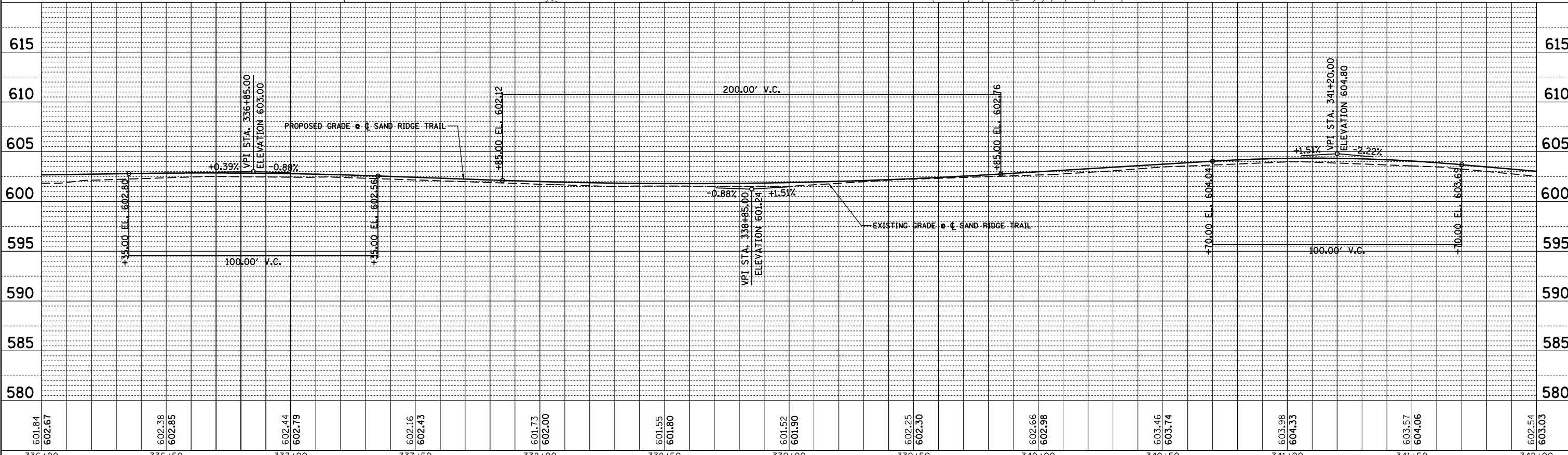
PLAN	SURVEYED	DATE
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	CHECKED	
	FILED	
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	NO.	



**LEGEND:**

	3" HMA SURFACE COURSE, MIX "D", N50 AGGREGATE SUBGRADE IMPROVEMENT, 12"
	LIMESTONE SCREENING SURFACE 2" AGGREGATE SUBGRADE IMPROVEMENT, 12"
	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4"

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	
	NO.	



601.84 602.67	602.38 602.85	602.44 602.79	602.16 602.43	601.73 602.00	601.55 601.80	601.52 601.90	602.25 602.30	602.66 602.98	603.46 603.74	603.98 604.33	603.57 604.06	602.54 603.03
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		DATE - 06/22/07	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

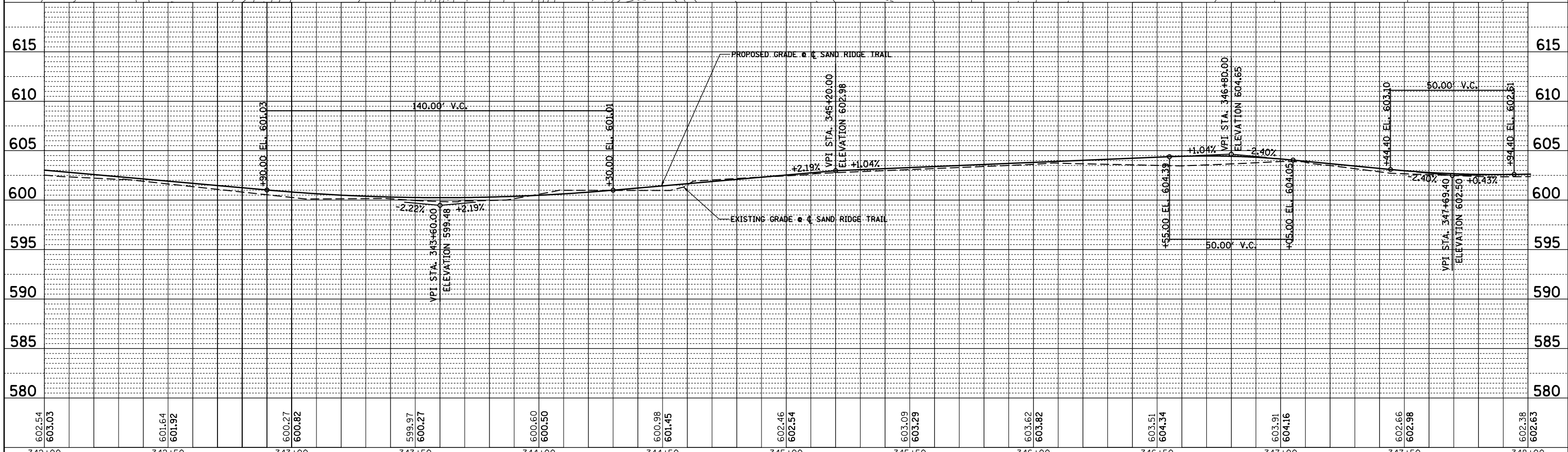
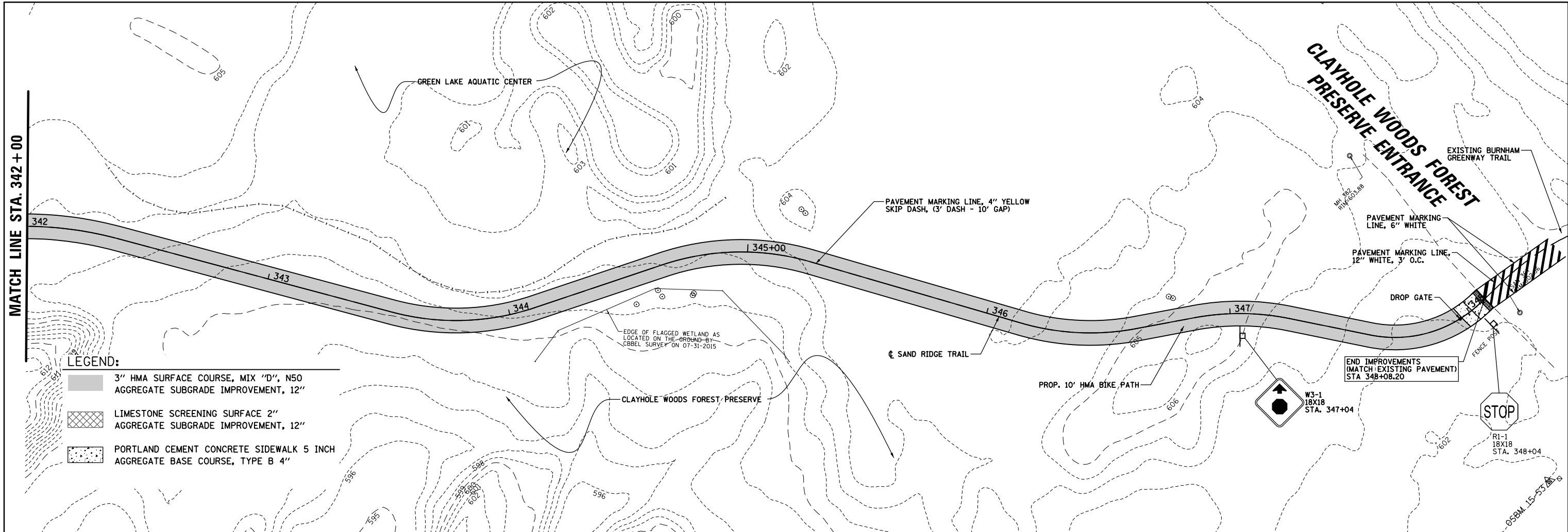
**SAND RIDGE TRAIL  
PROPOSED PLAN AND PROFILE**

SCALE: SHEET 25 OF 76 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	25
CONTRACT NO. 61E95			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
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	NOTE BOOK	
	NO. _____	
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PROFILE	SURVEYED	DATE
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	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	
	NOTE BOOK	
	NO. _____	



FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -
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	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAND RIDGE TRAIL  
PROPOSED PLAN AND PROFILE**

SCALE: SHEET 26 OF 76 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	26
CONTRACT NO. 61E95				ILLINOIS FED. AID PROJECT



**NOTES:**

1. THE CONTRACTOR MAY PERMANENTLY STOCKPILE EXCESS EARTH EXCAVATION, UNSUITABLE MATERIAL AND TOPSOIL. NO OTHER CONSTRUCTION DEBRIS MAY BE DEPOSITED AT THE STOCKPILE LOCATION.
2. THE STOCKPILE SIDE SLOPES SHALL BE 3:1 OR FLATTER.
3. THE HEIGHT OF THE STOCKPILE SHALL NOT EXCEED 8' ABOVE EXISTING GROUND.
4. THE FINAL LOCATION AND SHAPE OF THE STOCKPILES IS SUBJECT TO APPROVAL FROM THE ENGINEER AND/OR FOREST PRESERVE.
5. AFTER THE STOCKPILE HAS BEEN COMPLETED, THE SURFACE SHALL BE TILLED AND EROSION CONTROL BLANKET (SPECIAL) WITH SEEDING, CLASS 4A INSTALLED. SEE LANDSCAPING PLANS FOR TREE PLANTINGS.
6. IF THE STOCKPILE IS INACTIVE FOR MORE THAN 14 DAYS, SOIL STABILIZATION (TEMPORARY SEEDING) MUST BE PROVIDED BY THE 7TH DAY AFTER ACTIVITY HAS STOPPED.

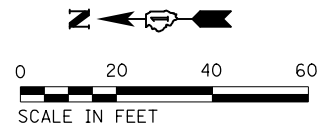
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Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

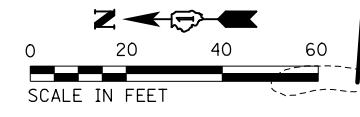
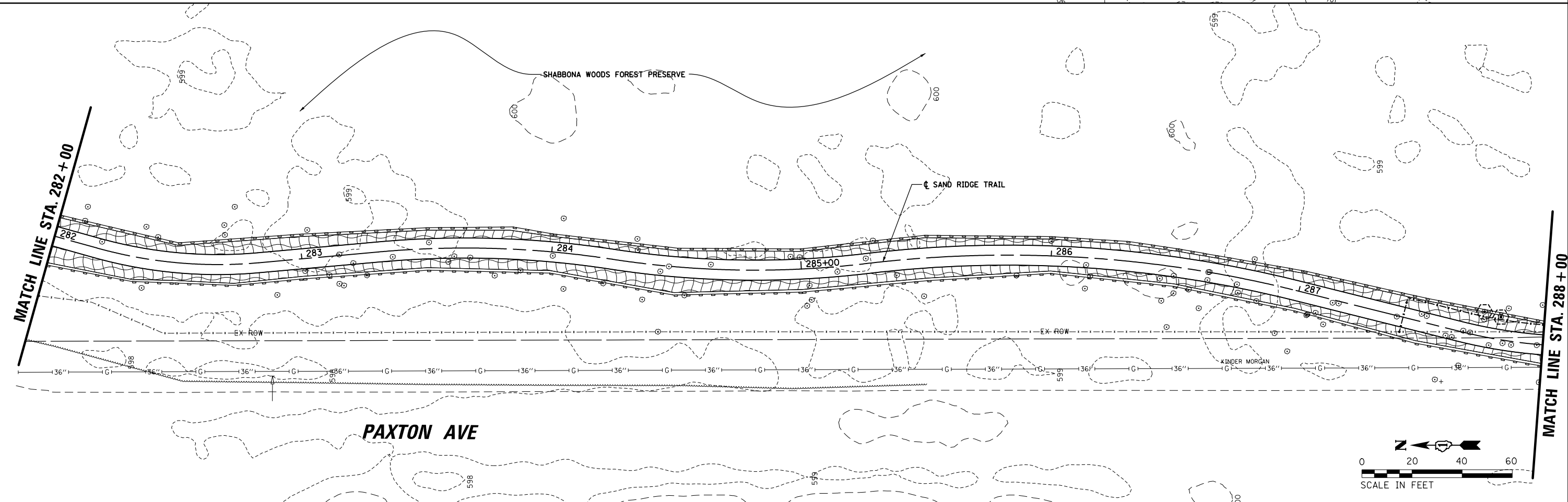
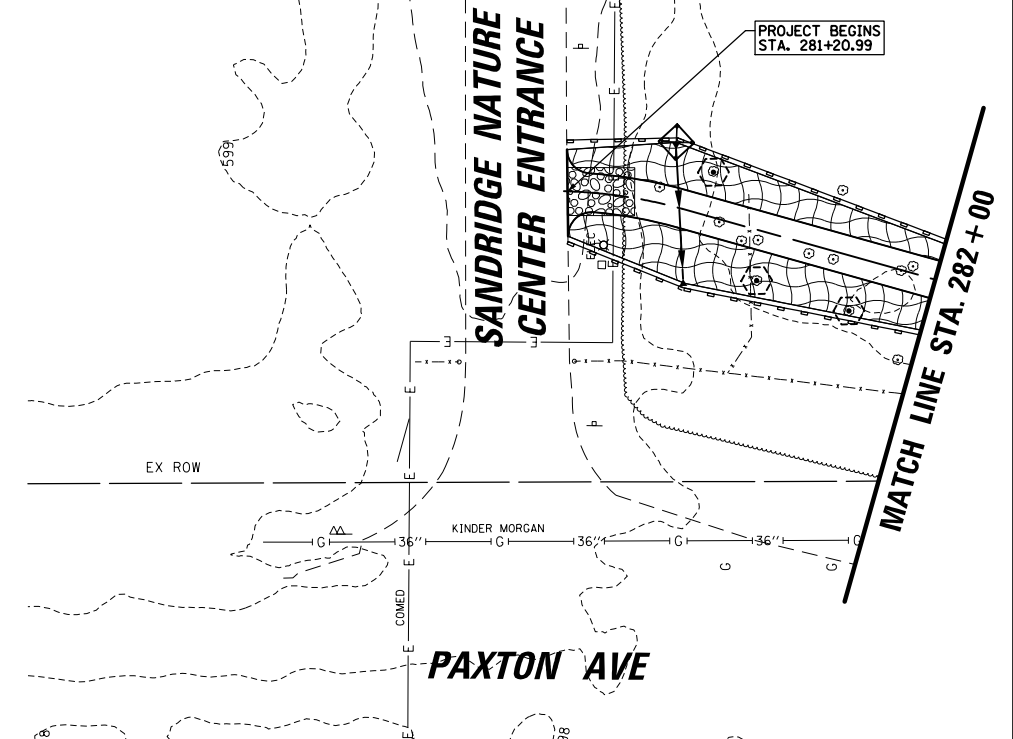
**SAND RIDGE TRAIL  
STOCKPILE PLAN**

SCALE: SHEET 27 OF 76 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	27
CONTRACT NO. 61E95				
ILLINOIS FED. AID PROJECT				



- EROSION CONTROL LEGEND:**
- STABILIZED CONSTRUCTION ENTRANCE (ACTUAL LOCATIONS TBD IN THE FIELD)
  - PERIMETER EROSION BARRIER, SPECIAL
  - PERIMETER EROSION BARRIER
  - INLET FILTER
  - WETLAND
  - LIMITS OF CONSTRUCTION
  - EROSION CONTROL BLANKET (SPECIAL) SEEDING, CLASS 4A
  - EROSION CONTROL BLANKET (SPECIAL) SEEDING, CLASS 2A
  - TREE PROTECTION (TEMPORARY FENCE)



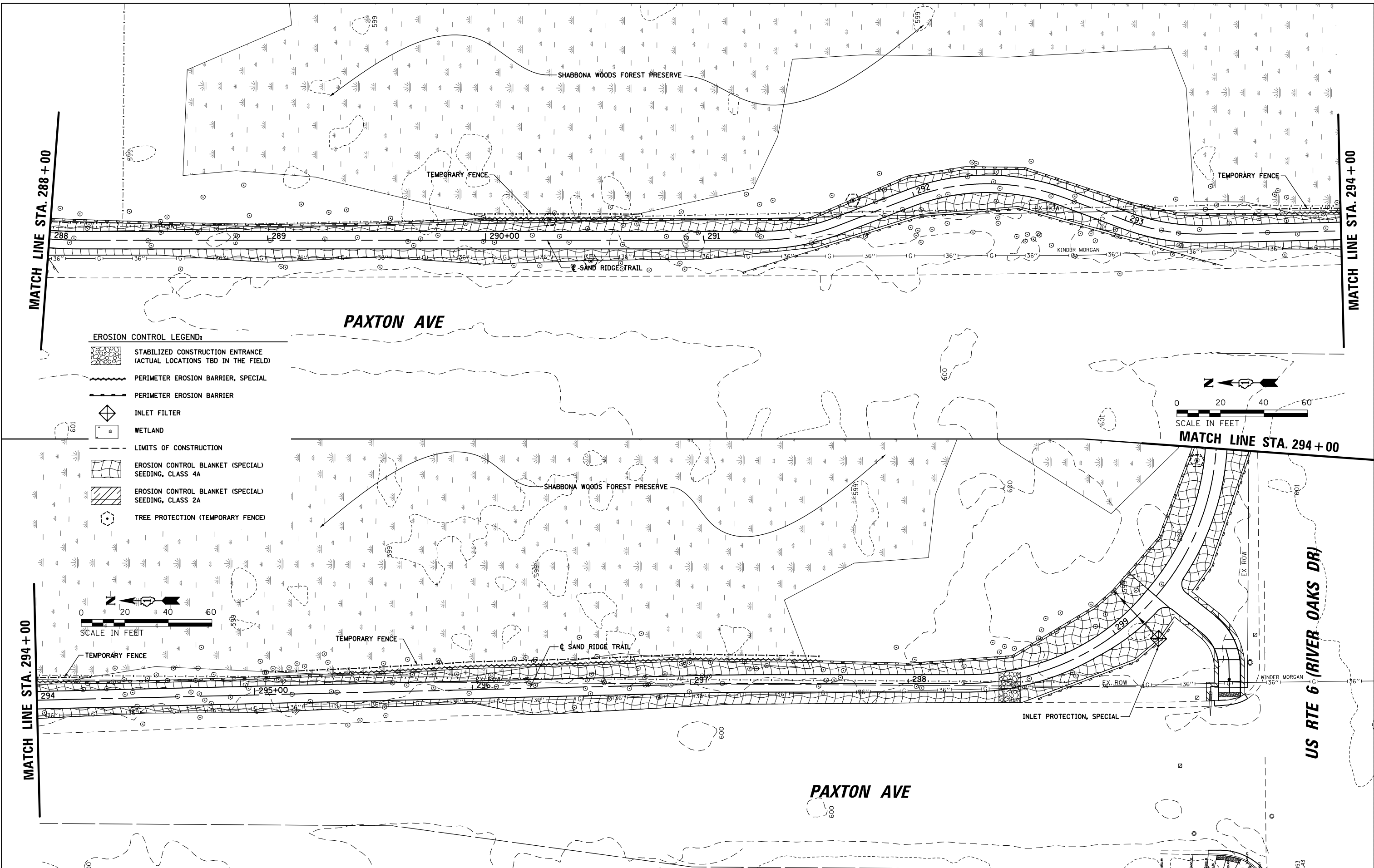
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Default	PLOT SCALE = 48'	CHECKED -	REVISED -
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

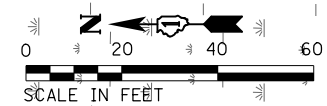
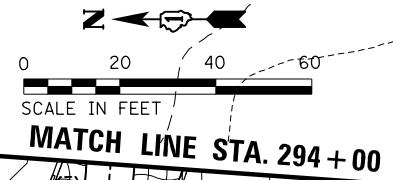
**SAND RIDGE TRAIL  
SOIL EROSION AND SEDIMENT CONTROL PLANS**

SCALE: SHEET 28 OF 76 SHEETS STA. TO STA.

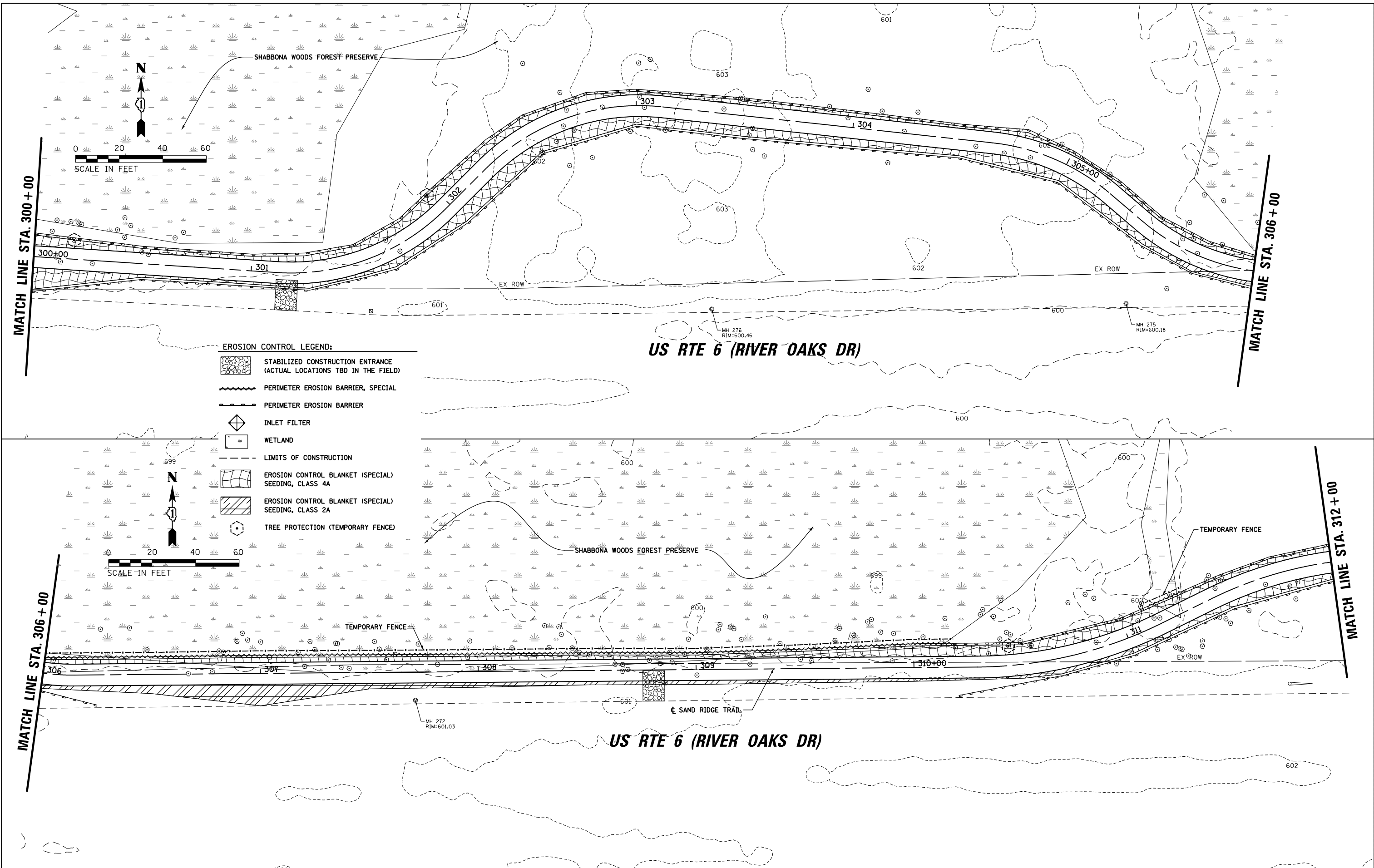
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	28
CONTRACT NO. 61E95				
ILLINOIS FED. AID PROJECT				



- EROSION CONTROL LEGEND:**
- STABILIZED CONSTRUCTION ENTRANCE (ACTUAL LOCATIONS TBD IN THE FIELD)
  - PERIMETER EROSION BARRIER, SPECIAL
  - PERIMETER EROSION BARRIER
  - INLET FILTER
  - WETLAND
  - LIMITS OF CONSTRUCTION
  - EROSION CONTROL BLANKET (SPECIAL) SEEDING, CLASS 4A
  - EROSION CONTROL BLANKET (SPECIAL) SEEDING, CLASS 2A
  - TREE PROTECTION (TEMPORARY FENCE)



FILE NAME = N:\COOK COUNTY FPD\140501.00\02\Civil\EP_140501-02.DGN	USER NAME = mthomas	DESIGNED - MBT	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SAND RIDGE TRAIL</b> <b>SOIL EROSION AND SEDIMENT CONTROL PLANS</b>		F.A.P. RTE. 351	SECTION 13-F3000-24-BT	COUNTY COOK	TOTAL SHEETS 76	SHEET NO. 29
	PLOT SCALE = 48"	CHECKED -	REVISED -				CONTRACT NO. 61E95				
Default	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -	SCALE: SHEET 29 OF 76 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT					



- EROSION CONTROL LEGEND:**
- STABILIZED CONSTRUCTION ENTRANCE (ACTUAL LOCATIONS TBD IN THE FIELD)
  - PERIMETER EROSION BARRIER, SPECIAL
  - PERIMETER EROSION BARRIER
  - INLET FILTER
  - WETLAND
  - LIMITS OF CONSTRUCTION
  - EROSION CONTROL BLANKET (SPECIAL) SEEDING, CLASS 4A
  - EROSION CONTROL BLANKET (SPECIAL) SEEDING, CLASS 2A
  - TREE PROTECTION (TEMPORARY FENCE)

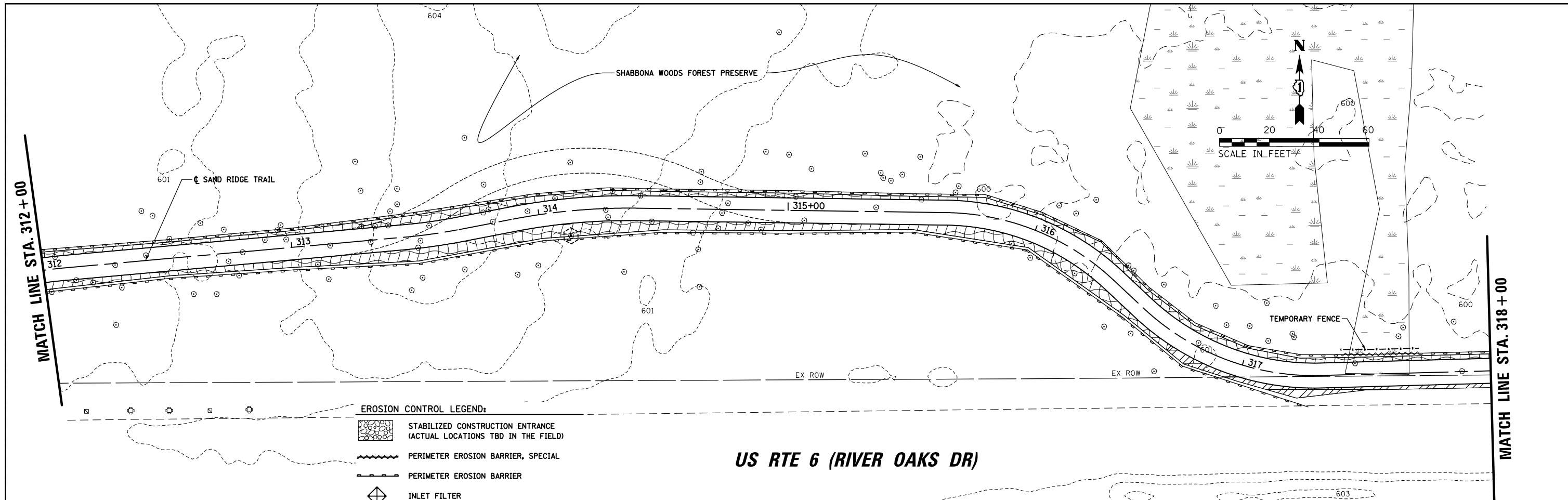
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Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

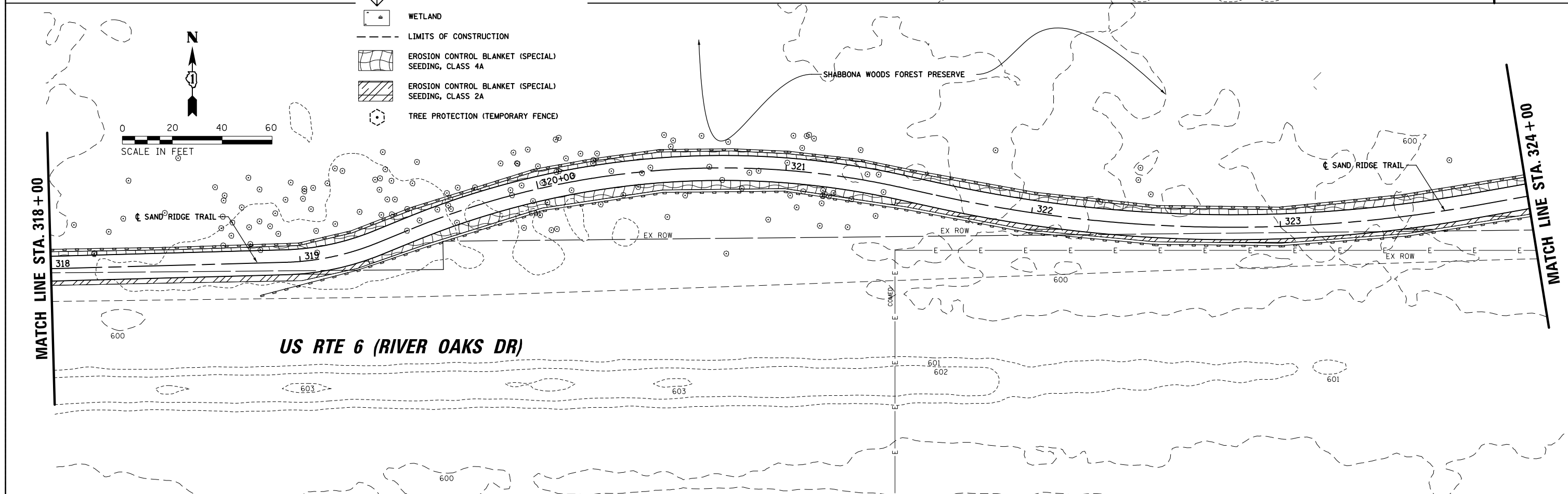
**SAND RIDGE TRAIL  
SOIL EROSION AND SEDIMENT CONTROL PLANS**

SCALE: SHEET 30 OF 76 SHEETS STA. TO STA.

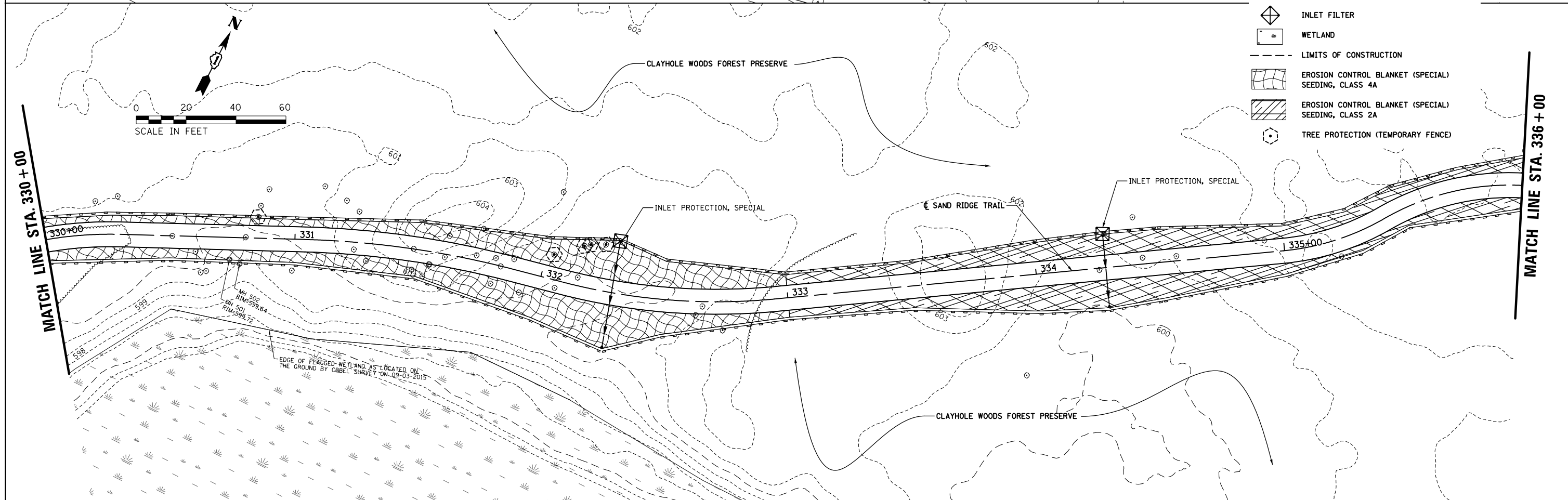
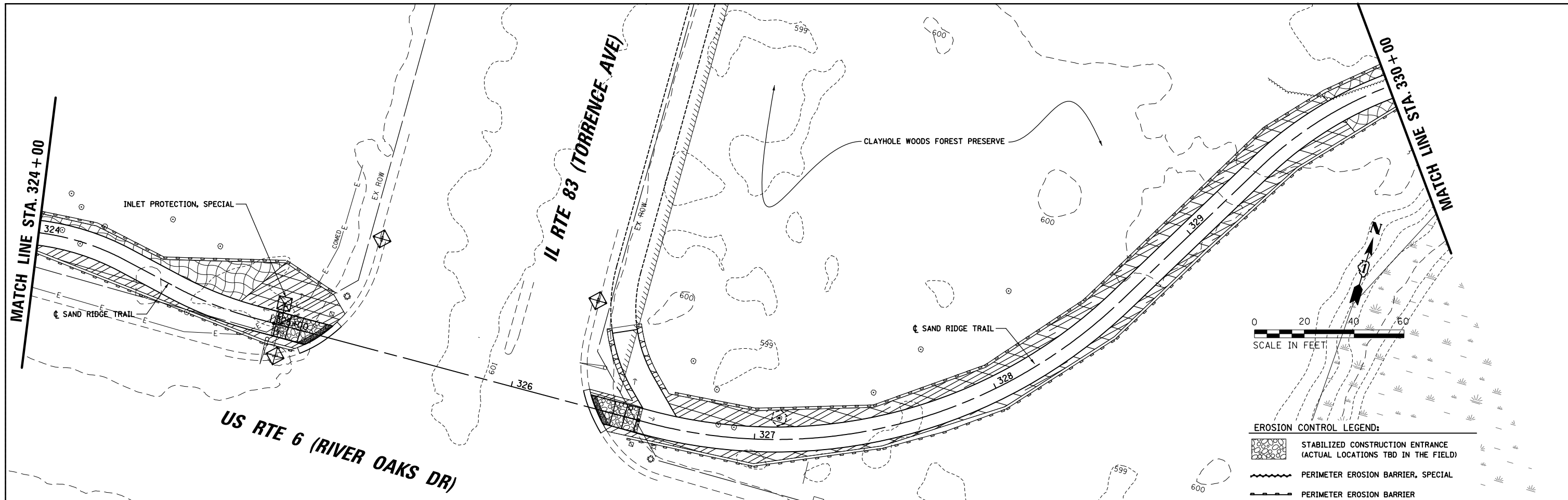
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	30
CONTRACT NO. 61E95				
ILLINOIS FED. AID PROJECT				



- EROSION CONTROL LEGEND:**
- STABILIZED CONSTRUCTION ENTRANCE (ACTUAL LOCATIONS TBD IN THE FIELD)
  - PERIMETER EROSION BARRIER, SPECIAL
  - PERIMETER EROSION BARRIER
  - INLET FILTER
  - WETLAND
  - LIMITS OF CONSTRUCTION
  - EROSION CONTROL BLANKET (SPECIAL) SEEDING, CLASS 4A
  - EROSION CONTROL BLANKET (SPECIAL) SEEDING, CLASS 2A
  - TREE PROTECTION (TEMPORARY FENCE)



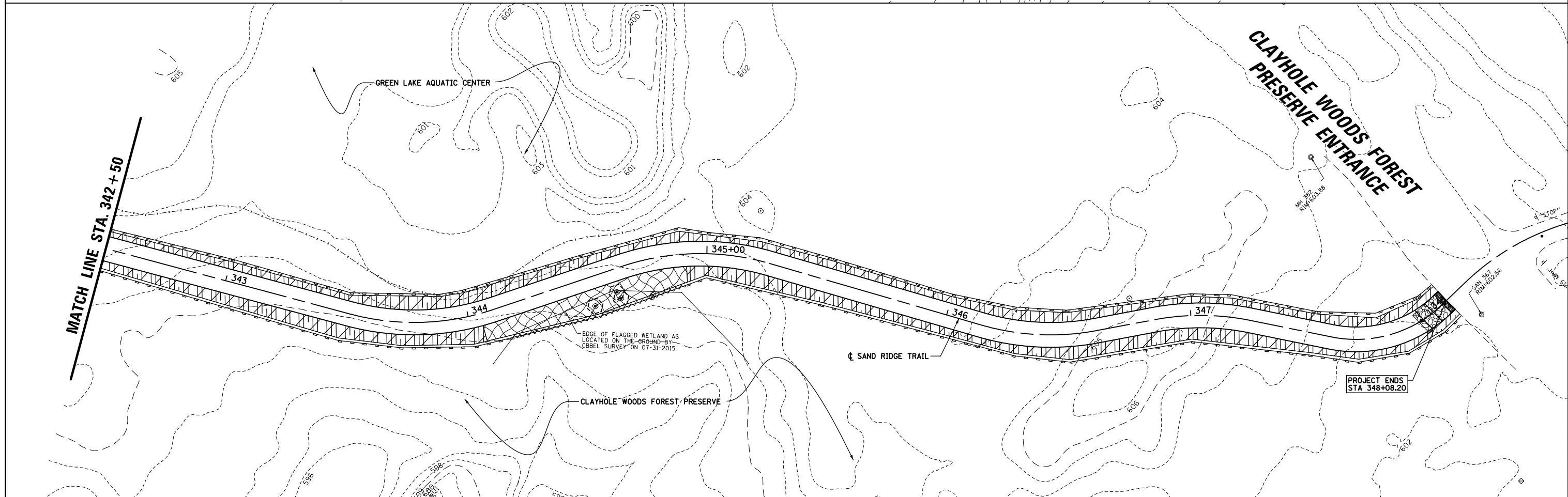
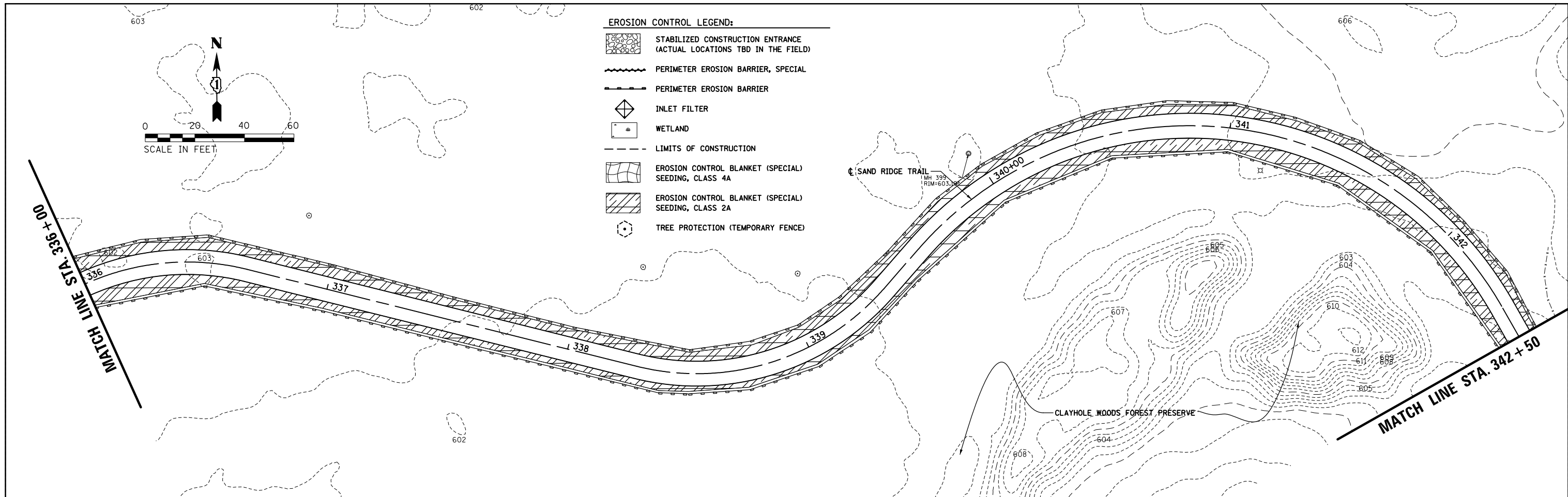
FILE NAME = N:\COOK COUNTY FPD\140501.00\02\Civil\EP...	USER NAME = mthomas	DESIGNED - MBT	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SAND RIDGE TRAIL</b> <b>SOIL EROSION AND SEDIMENT CONTROL PLANS</b>	F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48"	CHECKED -	REVISED -			351	13-F3000-24-BT	COOK	76	31
Default	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -	SCALE: SHEET 31 OF 76 SHEETS STA. TO STA.		CONTRACT NO. 61E95 ILLINOIS FED. AID PROJECT				



- EROSION CONTROL LEGEND:**
- STABILIZED CONSTRUCTION ENTRANCE (ACTUAL LOCATIONS TBD IN THE FIELD)
  - PERIMETER EROSION BARRIER, SPECIAL
  - PERIMETER EROSION BARRIER
  - INLET FILTER
  - WETLAND
  - LIMITS OF CONSTRUCTION
  - EROSION CONTROL BLANKET (SPECIAL) SEEDING, CLASS 4A
  - EROSION CONTROL BLANKET (SPECIAL) SEEDING, CLASS 2A
  - TREE PROTECTION (TEMPORARY FENCE)

FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SAND RIDGE TRAIL SOIL EROSION AND SEDIMENT CONTROL PLANS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\COOK COUNTY FPD\140501.0002\Civil\EP	.140501-05.DGN	DRAWN - MBT	REVISED -			351	13-F3000-24-BT	COOK	76	32	
Default	PLOT SCALE = 48"	CHECKED -	REVISED -			<b>CONTRACT NO. 61E95</b>					
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -			ILLINOIS FED. AID PROJECT					





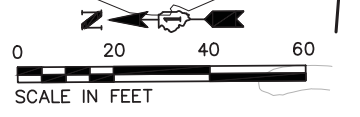
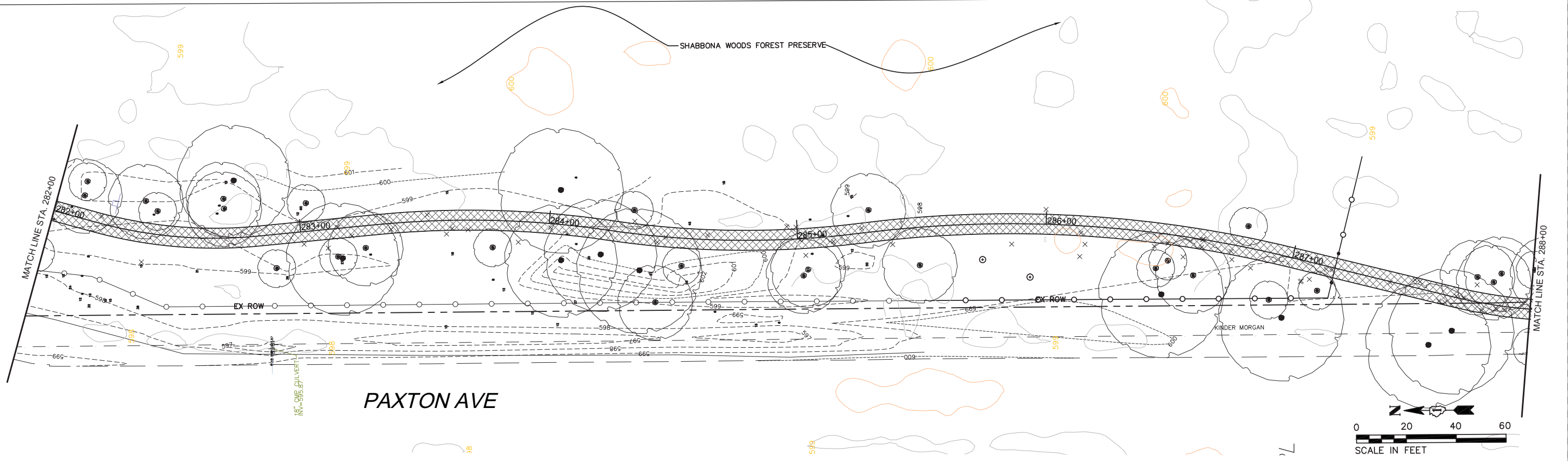
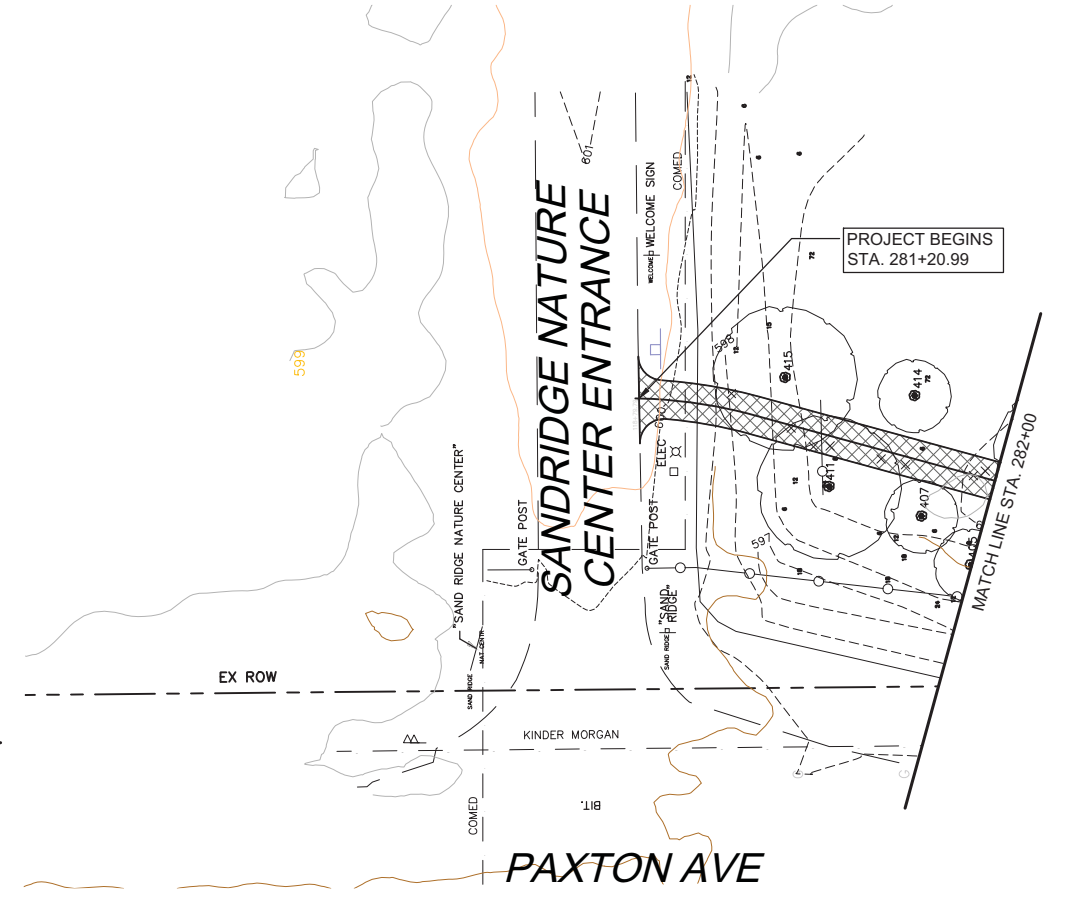
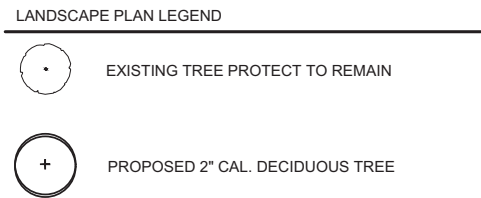
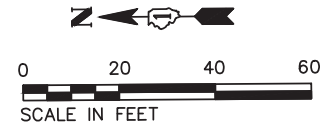
- EROSION CONTROL LEGEND:**
- STABILIZED CONSTRUCTION ENTRANCE (ACTUAL LOCATIONS TBD IN THE FIELD)
  - PERIMETER EROSION BARRIER, SPECIAL
  - PERIMETER EROSION BARRIER
  - INLET FILTER
  - WETLAND
  - LIMITS OF CONSTRUCTION
  - EROSION CONTROL BLANKET (SPECIAL) SEEDING, CLASS 4A
  - EROSION CONTROL BLANKET (SPECIAL) SEEDING, CLASS 2A
  - TREE PROTECTION (TEMPORARY FENCE)

FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SAND RIDGE TRAIL SOIL EROSION AND SEDIMENT CONTROL PLANS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\COOK COUNTY FPD\140501.0002\Civil\EC\140501-06.DGN	PLOT SCALE = 48"	DRAWN - MBT	REVISED -			351	13-F3000-24-BT	COOK	76	33	
Default	PLOT DATE = 5/21/2018	CHECKED -	REVISED -			<b>CONTRACT NO. 61E95</b>					
	DATE - 06/22/07	REVISIED -	REVISED -			ILLINOIS FED. AID PROJECT					

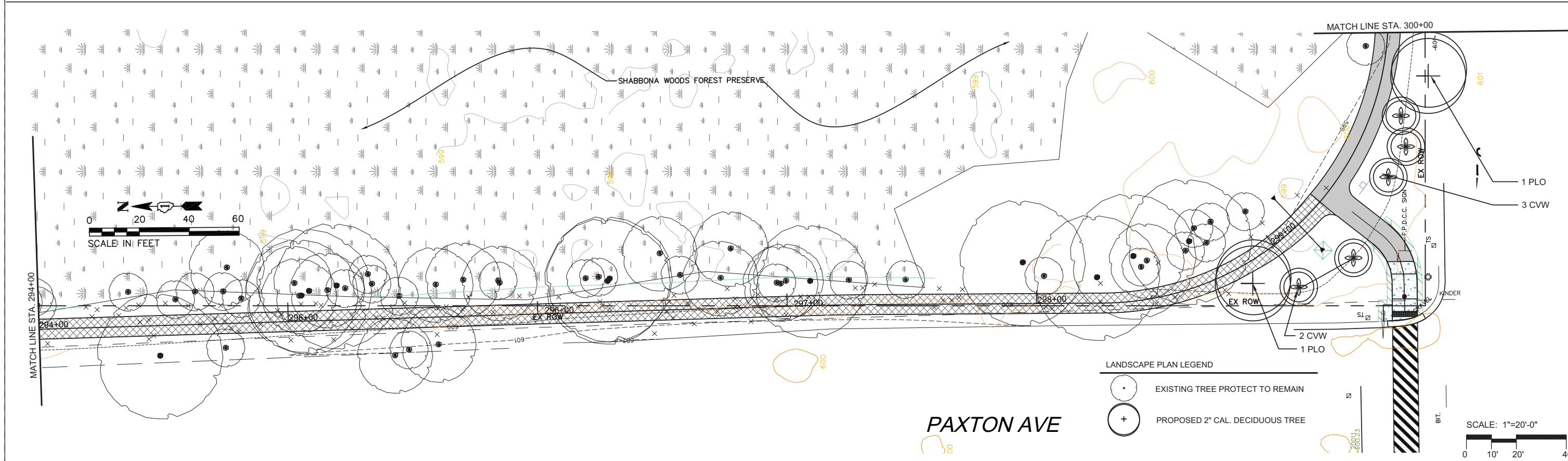
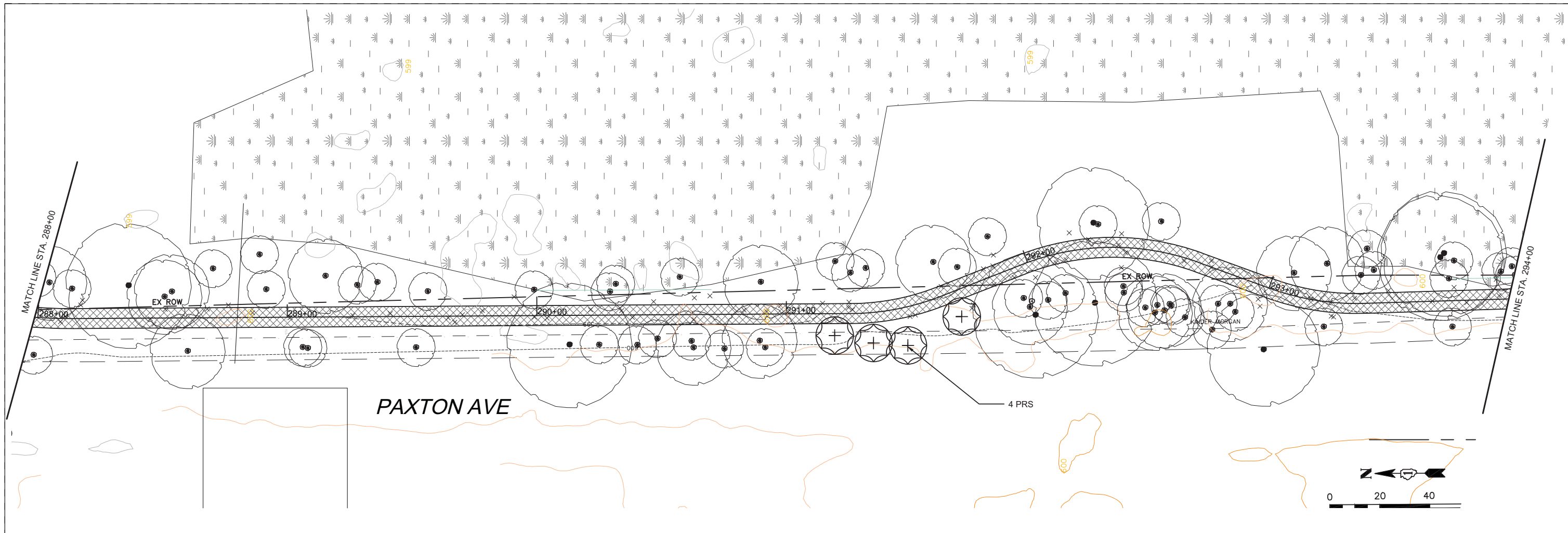
SCALE: SHEET 33 OF 76 SHEETS STA. TO STA.

**LANDSCAPE GENERAL NOTES:**

1. THE CONTRACTOR SHALL AVOID ALL EXISTING UTILITIES (UNDERGROUND AND OVERHEAD) WHERE APPLICABLE. FIELD ADJUSTMENTS RECOMMENDED BY THE CONTRACTOR AND INTENDED TO AVOID DISTURBING ANY SUCH UTILITIES MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF WORK. NEITHER THE OWNER NOR THE LANDSCAPE ARCHITECT ASSUME ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE CONTRACTOR'S ACCURACY IN LOCATING THE INDICATED PLANT MATERIAL.
2. ALL PLANT MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION, 230 SOUTHERN BUILDING, WASHINGTON DC 20005 (ANSI Z60.1).
3. THE CONTRACTOR SHALL PLANT TREES AND SHRUBS AFTER THE FINAL GRADES HAVE BEEN ESTABLISHED AND PRIOR TO PLANTING OF LAWNS.
4. PRUNE BROKEN OR CROSS BRANCHING PLANTING WHERE REQUIRED. DO NOT REMOVE LEADERS.
5. FOR TREES PLANTED IN TURF AREAS, PROVIDE 4'-0" DIAMETER X 4 INCH THICK MULCH RING WITH A SPADE EDGE. REMOVE EXISTING TURF WHERE REQUIRED.
6. ALL PLANT MATERIALS SHALL BE INSTALLED IN PLANTING AREAS AS PER THE DRAWINGS AND SPECIFICATIONS. ANY PLANTING AREA FOUND TO BE NON-COMPLIANT SHALL BE REMOVED AND REPLANTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
7. THE LANDSCAPE ARCHITECT OR THE OWNER RESERVES THE RIGHT TO REJECT PLANTING MATERIAL ON SITE WHETHER STOCK-PILED OR PLANTED IN PLACE. REJECTED MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND REPLACED WITH ACCEPTABLE PLANT MATERIAL AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. IN THE EVENT OF ANY DISCREPANCIES BETWEEN THE PLANS AND THE PLANT LIST, THE PLANT LIST SHALL GOVERN THE INTENT OF MATERIALS SELECTED.
9. AN APPROVED PRE-EMERGENT HERBICIDE SHALL BE APPLIED IN ALL PLANTING BEDS AT THE RATE SPECIFIED AND RECOMMENDED BY THE MANUFACTURE FOR EACH PLANT VARIETY.
10. THE CONTRACTOR SHALL PROVIDE A SPADE EDGE WHERE PLANTING BEDS MEET TURF AREAS INDICATED ON PLANS. PROVIDE MULCH AT ALL SHRUB BEDS TO LIMIT LINES INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL FURNISH AND INSTALL A 3 INCH LAYER OF ORGANIC FIBER MATERIAL UNDER ALL TREE PLANTING AND SHRUB BEDS. THE CONTRACTOR SHALL INCLUDE SAMPLES OF SUCH MATERIAL AS PART OF THE REQUIRED SHOP DRAWING SUBMITTAL PROCESS.
11. THE CONTRACTOR SHALL KEEP ALL PAVEMENT SURFACES CLEAN AND WORK AREAS IN AN ORDERLY MANNER. EACH TRADE ON THE SITE WILL BE REQUIRED TO CLEAN AND DISCARD ALL CONSTRUCTION RELATED DEBRIS FROM THE WORK AREA AT THE END OF EACH DAY.
12. THE LANDSCAPE CONTRACTOR SHALL PROTECT ALL WORK SURFACES FROM DAMAGES BY OTHERS UNTIL HIS WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
13. SUBSTITUTIONS OF PLANT MATERIAL DUE TO AVAILABILITY OF MATERIALS SPECIFIED SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT. ALL SUBSTITUTED PLANT MATERIALS SHALL BE EQUAL TO OR LARGER THAN THE ITEMS SPECIFIED ON THE PLANT LIST.
14. MULCH SHALL CONSIST OF HARDWOOD (DECIDUOUS) SHREDDED BARK IT SHALL BE FREE FROM LEAVES, TWIGS, SAWDUST, FOREIGN AND EXTRANEIOUS MATTER, DEBRIS AND TOXIC SUBSTANCE. INDIVIDUAL PIECES SHALL NOT BE SIMILAR THAN ONE INCH IN THE SMALLEST DIMENSION NOR LARGER THAN ONE AND THREE QUARTERS INCH IN THE LARGEST DIMENSION.
15. ALL MULCH SHOULD BE OBTAINED FROM AN APPROVED SOURCE AND BE FREE FROM CONTAMINANTS AND SPECIAL PRECAUTION SHOULD BE TAKEN TO INSURE THAT THE BARK CHIPS ARE FREE FROM INFESTATION BY ASH BORER OR SIMILAR.
16. WHERE SODDED LAWN MEETS PLANTING BED- A 3" V-CUT SHALL BE CREATED WITH A NEAT AND WELL GROOMED CHARACTER



FILE NAME = SFILES	USER NAME = \$USERS	DESIGNED - JB & JC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SAND RIDGE TRAIL LANDSCAPE PLAN L-1</b>			F.A.P. RTE. 351	SECTION 13-F3000-24-BT	COUNTY COOK	TOTAL SHEETS 76	SHEET NO. 34
SMODEL NAMES	PLOT SCALE = 40"	CHECKED - JB	REVISED -		SCALE: 1"=20'-0"	SHEET 34 OF 76 SHEETS	STA. 281+20.99 TO STA. 288+00	CONTRACT NO. 61E95				
	PLOT DATE = 04/27/2018	DATE - 04/27/2018	REVISED -		ILLINOIS FED. AID PROJECT							



**LANDSCAPE PLAN LEGEND**

	EXISTING TREE PROTECT TO REMAIN
	PROPOSED 2" CAL. DECIDUOUS TREE

**PAXTON AVE**

FILE NAME = SFILES  
 MODEL NAMES

USER NAME = \$USERS  
 PLOT SCALE = 40"  
 PLOT DATE = 04/27/2018

DESIGNED — JB & JC  
 DRAWN — JC  
 CHECKED — JB  
 DATE — 04/27/2018

REVISED —  
 REVISED —  
 REVISED —  
 REVISED —

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

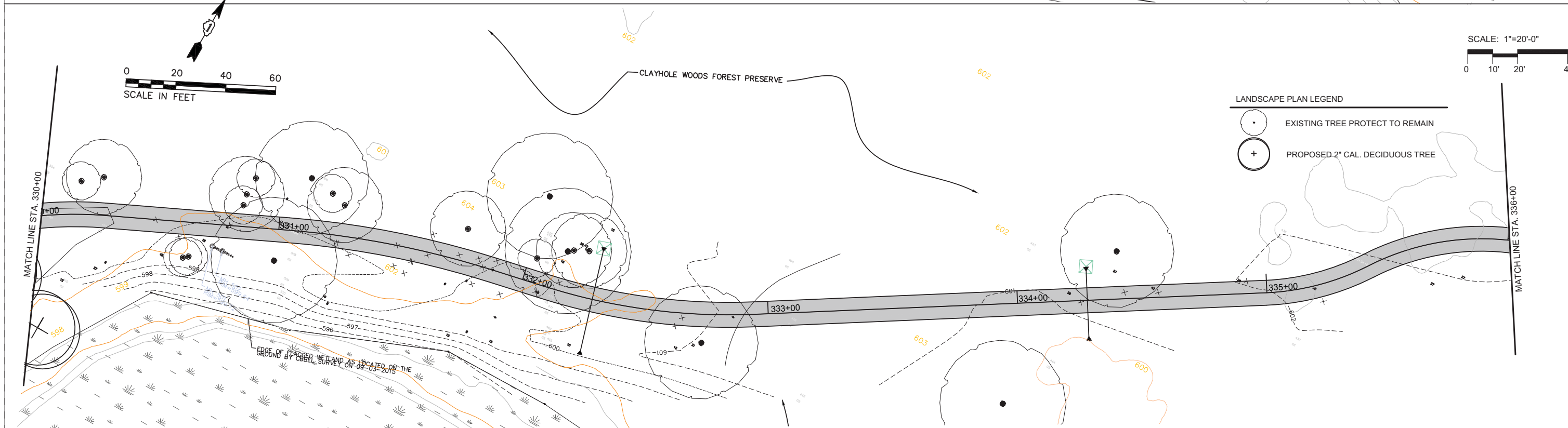
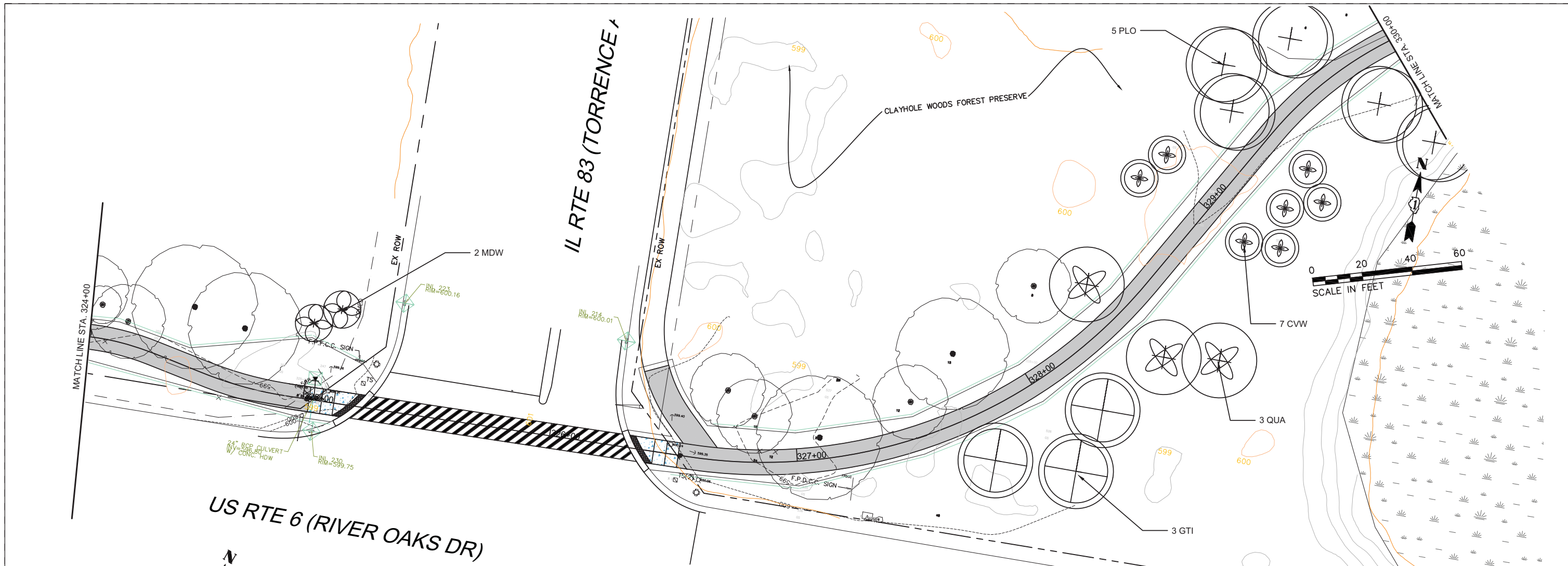
**SAND RIDGE TRAIL  
 LANDSCAPE PLAN L-2**

SCALE: 1"=20'-0"    SHEET 35 OF 76 SHEETS    STA. 288+00 TO STA. 300+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	35
CONTRACT NO. 61E95				
ILLINOIS FED. AID PROJECT				



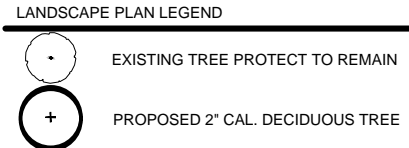
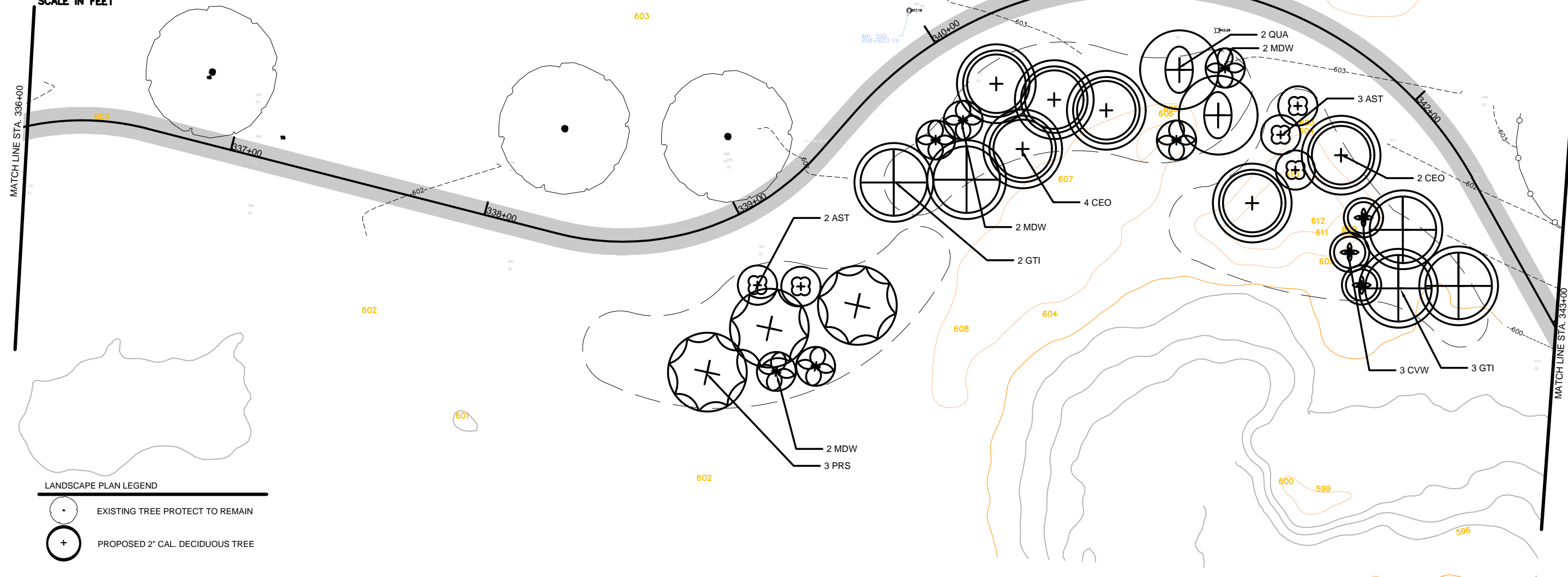




LANDSCAPE PLAN LEGEND

	EXISTING TREE PROTECT TO REMAIN
	PROPOSED 2" CAL. DECIDUOUS TREE

FILE NAME = SFILELS	USER NAME = \$USERS	DESIGNED - JB & JC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SAND RIDGE TRAIL LANDSCAPE PLAN L-5</b>			F.A.P. RTE. 351	SECTION 13-F3000-24-BT	COUNTY COOK	TOTAL SHEETS 76	SHEET NO. 38
SMODELNAME	PLOT SCALE = 40"	CHECKED - JB	REVISED -		SCALE: 1"=20'-0"	SHEET 38	OF 76 SHEETS	STA. 324+00	TO STA. 336+00	CONTRACT NO. 61E95		
	PLOT DATE = 04/27/2018	DATE - 04/27/2018	REVISED -		ILLINOIS FED. AID PROJECT							



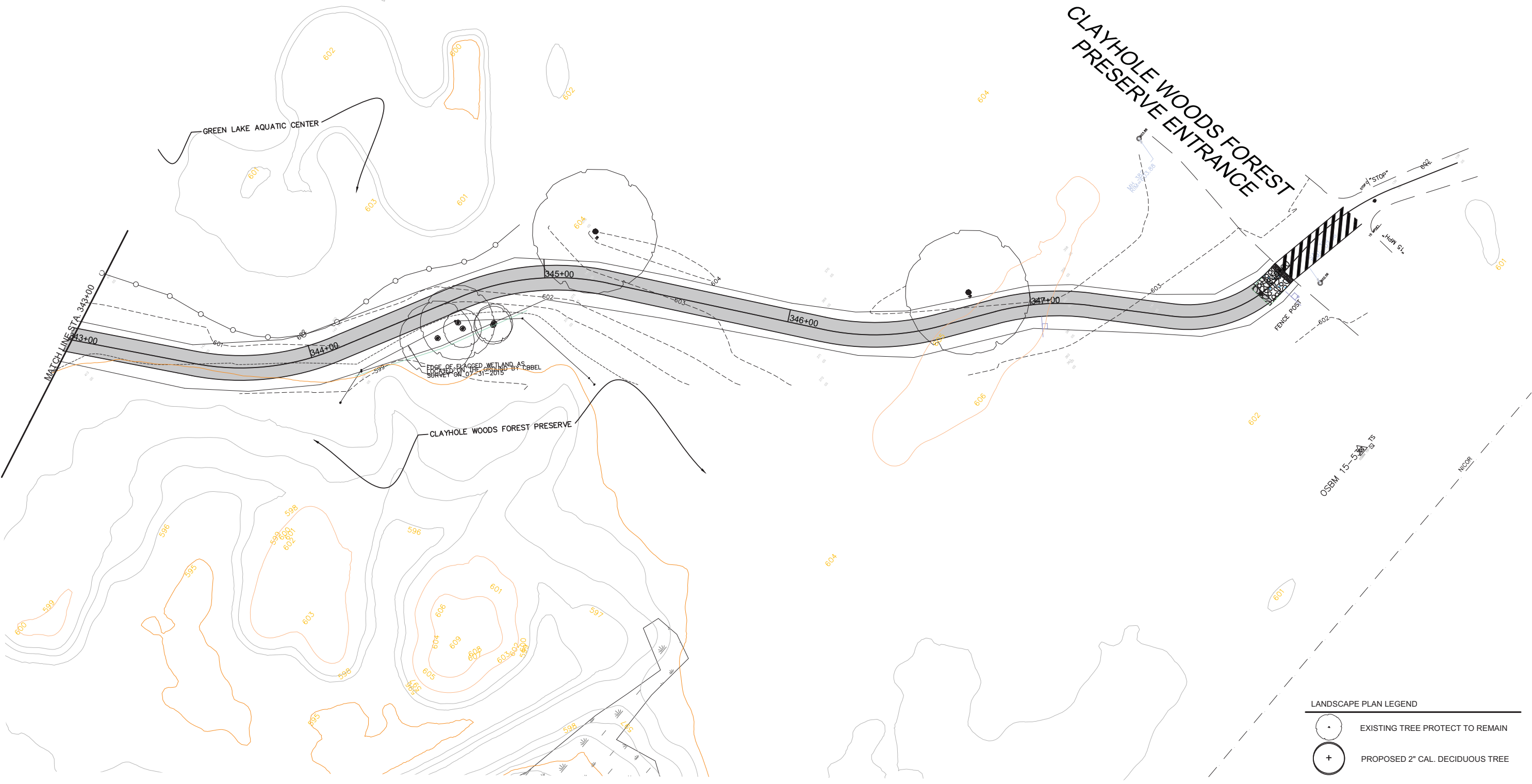
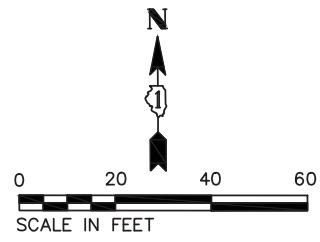
**MASTER PLAN LIST**

Plant Code	Qty	Size	Botanic Name	Common Name	Form	Spacing	Comments
<b>Shade Trees</b>							
AFM	3	2.0" cal	<i>ACER X FREEMANII MARMO</i>	MARMO FREEMAN MAPLE	B&B	See Plans	
CEO	6	2.0" cal	<i>CELTIS OCCIDENTALIS</i>	COMMON HACKBERRY	B&B	See Plans	
GTI	8	2.0" cal	<i>GLEDITSIA TRIACANTHOS INERMIS</i>	THORNLESS COMMON HONEYLOCUST	B&B	See Plans	
PLO	7	2.0" cal	<i>PLATANUS OCCIDENTALIS</i>	SYCAMORE	B&B	See Plans	
PRS	7	2.0" cal	<i>PRUNUS SEROTINA</i>	BLACK CHERRY	B&B	See Plans	
QUA	5	2.0" cal	<i>QUERCUS ALBA</i>	WHITE OAK	B&B	See Plans	
QUB	3	2.0" cal	<i>QUERCUS BICOLOR</i>	SWAMP WHITE OAK	B&B	See Plans	
QUM	2	2.0" cal	<i>QUERCUS MACROCARPA</i>	BUR OAK	B&B	See Plans	

**Understory Trees**

AST	5	2.0" cal	<i>Asimina triloba</i> AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE	AUTUMN BRILLIANCE SERVICE BERRY	B&B	See Plans	
COM	4	2.0" cal	<i>CORNUS MAS</i>	CORNELIAN CHERRY DOG WOOD	B&B	See Plans	
CRP	3	2.0" cal	<i>CRATAEGUS PHAENOPYRUM</i>	WASHINGTON HAWTHORN	B&B	See Plans	
CVW	15	2.0" cal	<i>CRATAEGUS VIRDIS</i> WINTER KING	WINTER KING GREEN HAWTHORN	B&B	See Plans	
MDW	11	2.0" cal	<i>MALUS DONALD WYMAN</i>	DONALD WYMAN CRABAPPLE	B&B	See Plans	

FILE NAME = SFILES	USER NAME = SUSERS	DESIGNED - <b>JB &amp; JC</b>	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SAND RIDGE TRAIL LANDSCAPE PLAN L-6</b>	F.A.P. RTE. 351	SECTION 13-F3000-24-BT	COUNTY COOK	TOTAL SHEETS 76	SHEET NO. 39		
SMODEL NAMES	PLOT SCALE = 40"	CHECKED - <b>JB</b>	REVISED -			SCALE: 1"=20'-0"	SHEET 39 OF 76 SHEETS	STA336+00	TO STA. 343+00	CONTRACT NO. 61E95		
	PLOT DATE = 04/27/2018	DATE - <b>04/27/2018</b>	REVISED -			ILLINOIS FED. AID PROJECT						



**LANDSCAPE PLAN LEGEND**

•	EXISTING TREE PROTECT TO REMAIN
+	PROPOSED 2" CAL. DECIDUOUS TREE

FILE NAME =	USER NAME = \$USERS	DESIGNED -- JB & JC	REVISED --
\$FILELS		DRAWN -- JC	REVISED --
\$MODELNAMES	PLOT SCALE = 40"	CHECKED -- JB	REVISED --
	PLOT DATE = 04/27/2018	DATE -- 04/27/2018	REVISED --

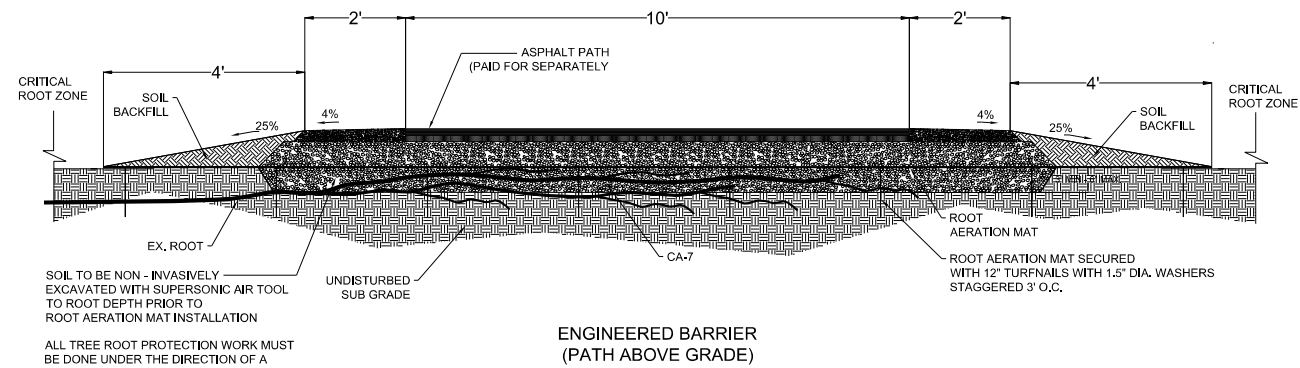
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAND RIDGE TRAIL  
LANDSCAPE PLAN L-7**

SCALE: 1"=20'-0"    SHEET 40 OF 76 SHEETS    STA. 343+00 TO STA. 348+08.02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	40
CONTRACT NO. 61E95				
ILLINOIS FED. AID PROJECT				





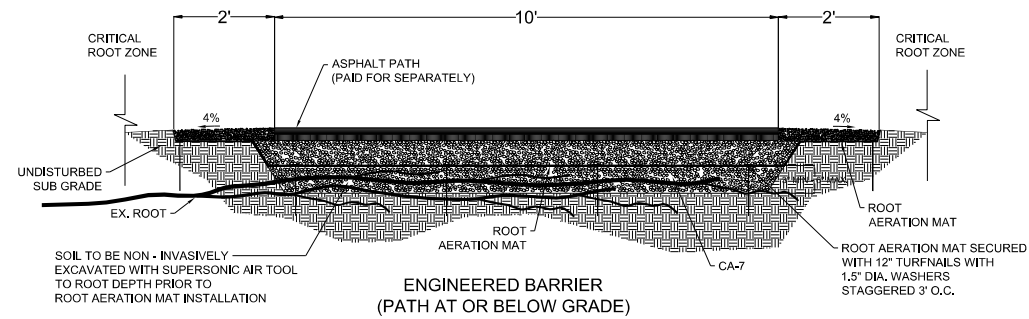
SOIL TO BE NON - INVASIVELY EXCAVATED WITH SUPERSONIC AIR TOOL TO ROOT DEPTH PRIOR TO ROOT AERATION MAT INSTALLATION

ALL TREE ROOT PROTECTION WORK MUST BE DONE UNDER THE DIRECTION OF A CERTIFIED ARBORIST

EXCAVATION TO BE DONE TO DEPTH DETERMINED BY A CERTIFIED ARBORIST. PRIOR TO THE INSTALLATION OF THE ROOT AERATION MATTING THE ARBORIST SHALL DO SELECTIVE ROOT PRUNING

ROOTS MUST NOT BE EXPOSED FOR LONGER THAN 6 HOURS.

**ENGINEERED BARRIER  
(PATH ABOVE GRADE)**



SOIL TO BE NON - INVASIVELY EXCAVATED WITH SUPERSONIC AIR TOOL TO ROOT DEPTH PRIOR TO ROOT AERATION MAT INSTALLATION

ALL TREE ROOT PROTECTION WORK MUST BE DONE UNDER THE DIRECTION OF A CERTIFIED ARBORIST

EXCAVATION TO BE DONE TO DEPTH DETERMINED BY A CERTIFIED ARBORIST. PRIOR TO THE INSTALLATION OF THE ROOT AERATION MATTING THE ARBORIST SHALL DO SELECTIVE ROOT PRUNING

ROOTS MUST NOT BE EXPOSED FOR LONGER THAN 6 HOURS.

**ENGINEERED BARRIER  
(PATH AT OR BELOW GRADE)**

FILE NAME =	USER NAME = mthomas	DESIGNED - MBT	REVISED -
N:\COOK COUNTY FPD\140501.0002\Civil\DE	T_140501-05.DGN	DRAWN - MBT	REVISED -
Default	PLOT SCALE = 7'	CHECKED -	REVISED -
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAND RIDGE TRAIL  
CONSTRUCTION DETAILS**

SCALE: SHEET 41 OF 76 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	41
<b>CONTRACT NO. 61E95</b>				
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

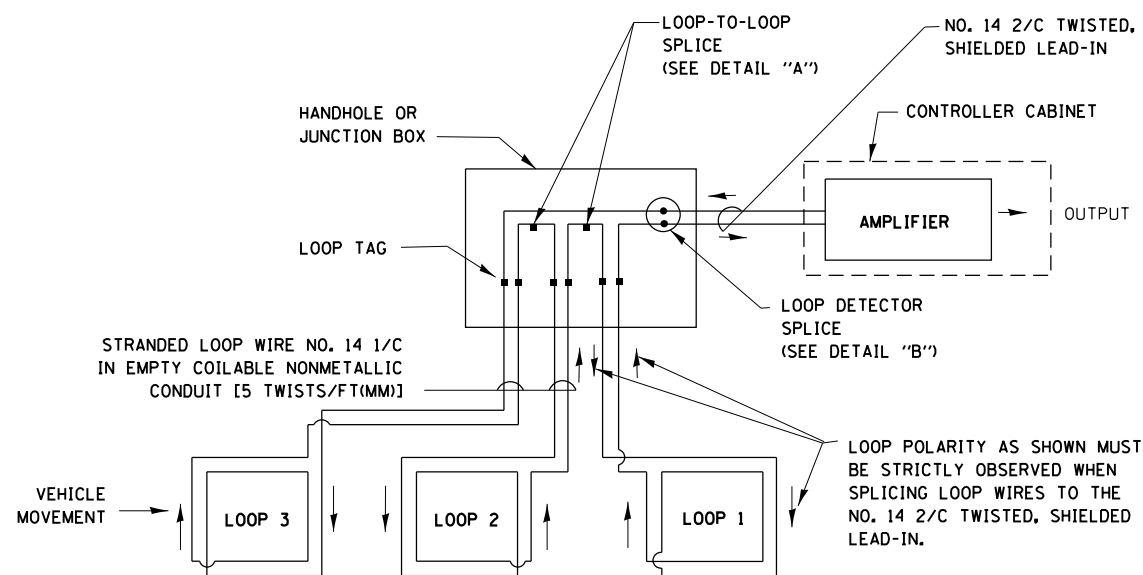
(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	 	 
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"	 	 
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		 	SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	  	  
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	   	   
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	 	 	DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

TS SHT NO. 1

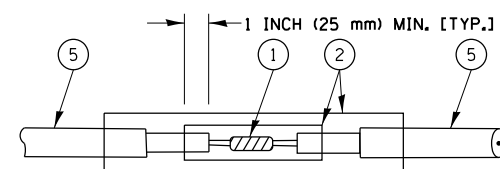
**LOOP DETECTOR NOTES**

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

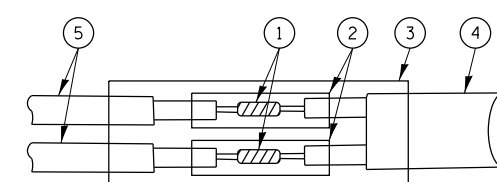


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



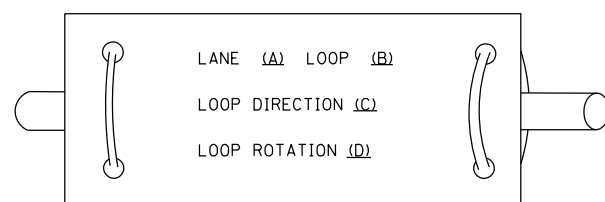
**DETAIL "A"  
LOOP-TO-LOOP SPLICE**



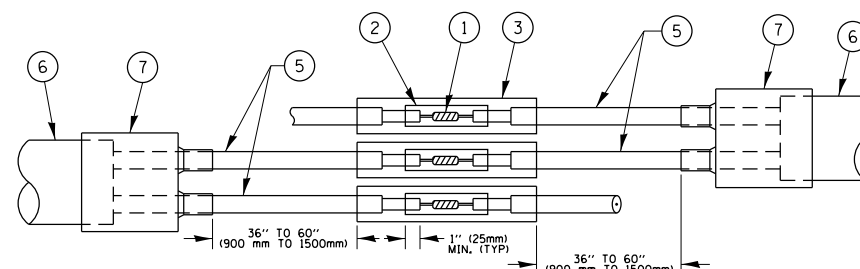
**DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE**

**TYPE I LOOP**

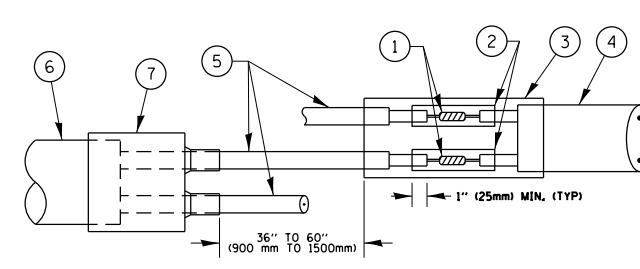
**LOOP LEAD-IN CABLE TAG**



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



**DETAIL "A"  
LOOP-TO-LOOP SPLICE**



**DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE**

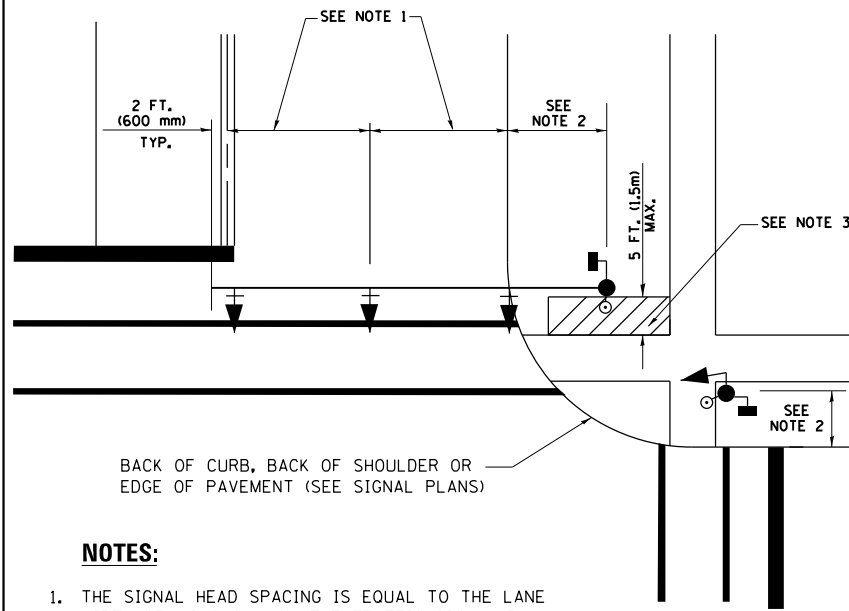
**LOOP DETECTOR SPLICE**

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH, THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PRE-FORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 2

FILE NAME = S:\WP\Design\Iovan\SamplePlans\DNFFiles\TSE\example01-sht-ts.dgn	USER NAME = plascencia	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	F.A.P. RTE. 351	SECTION 13-F3000-24-BT	COUNTY COOK	TOTAL SHEETS 76	SHEET NO. 43		
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			SCALE: NONE	SHEET 2 OF 7 SHEETS	STA. TO STA.	<b>TS-05</b>		CONTRACT NO. 61E95	
	PLOT DATE = 5/17/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						

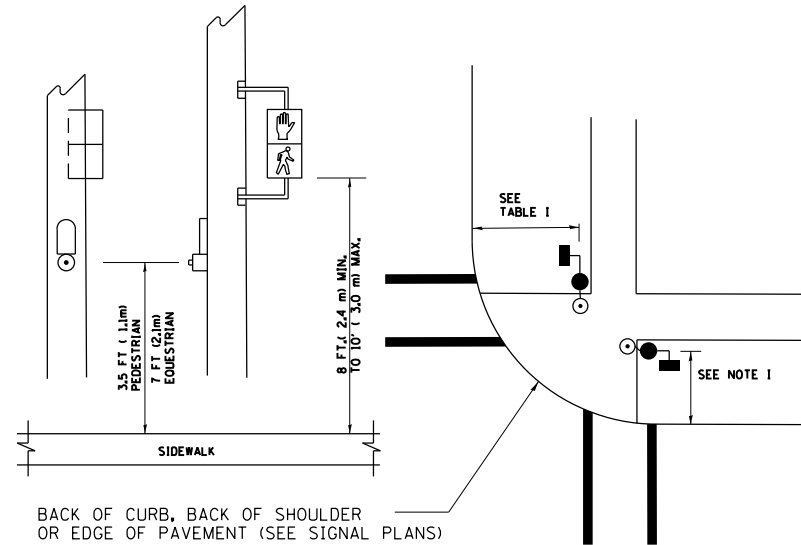
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

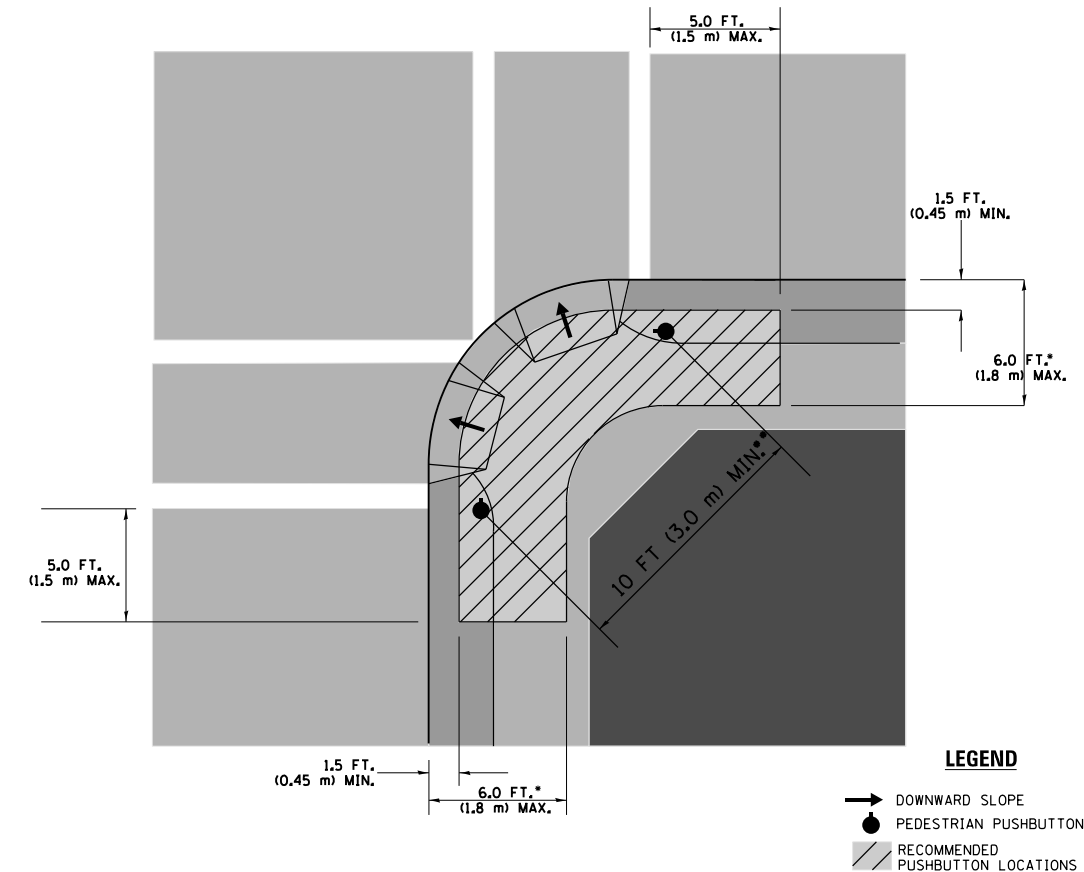
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT ( 1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

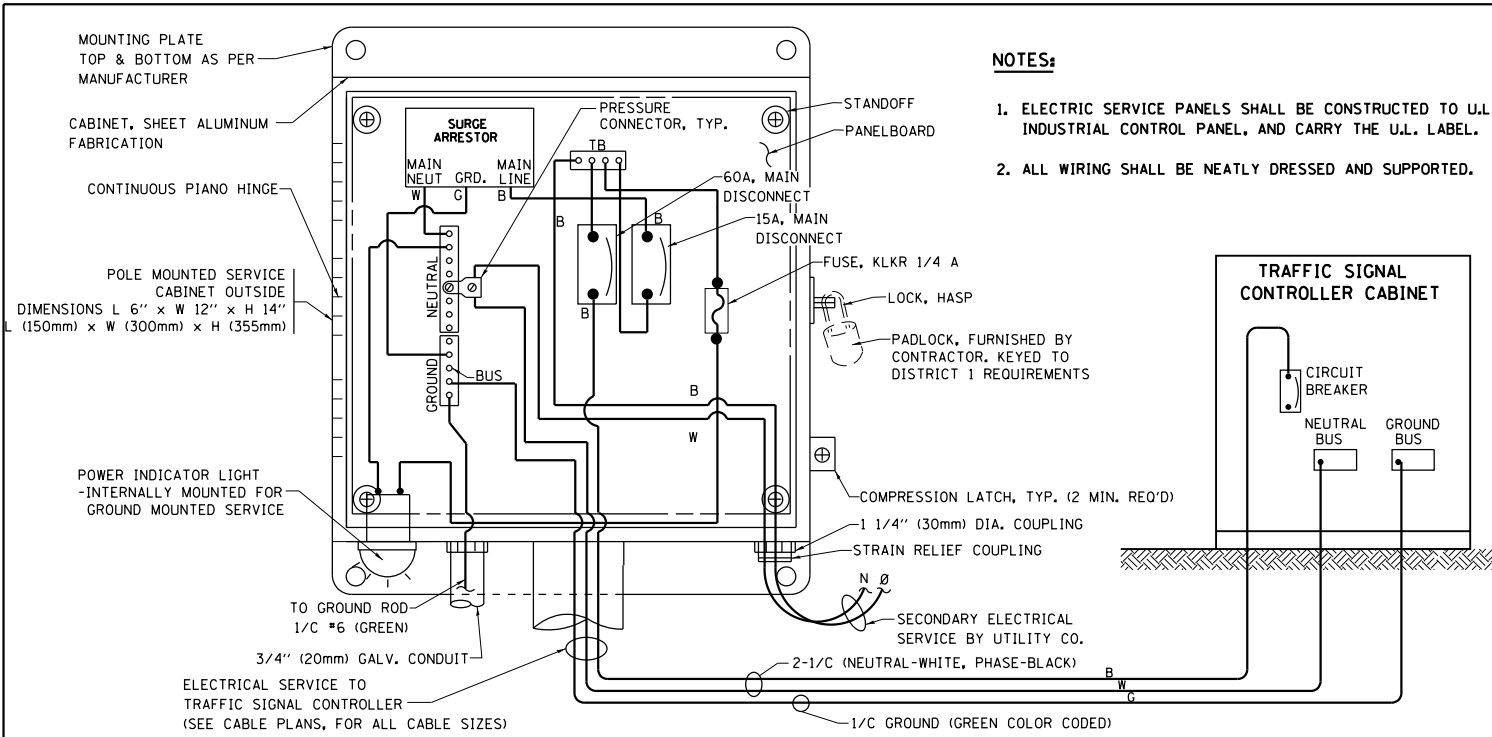
**TRAFFIC SIGNAL EQUIPMENT OFFSET**

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

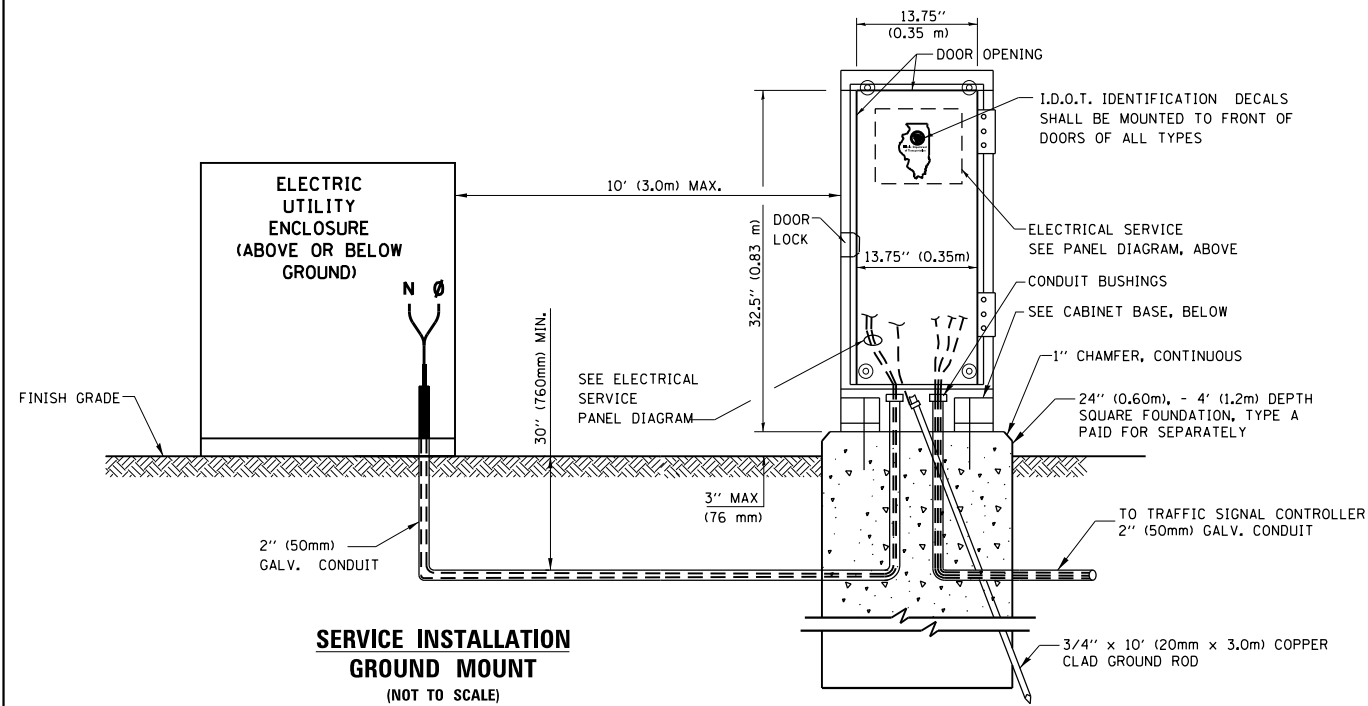
**NOTES:**

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

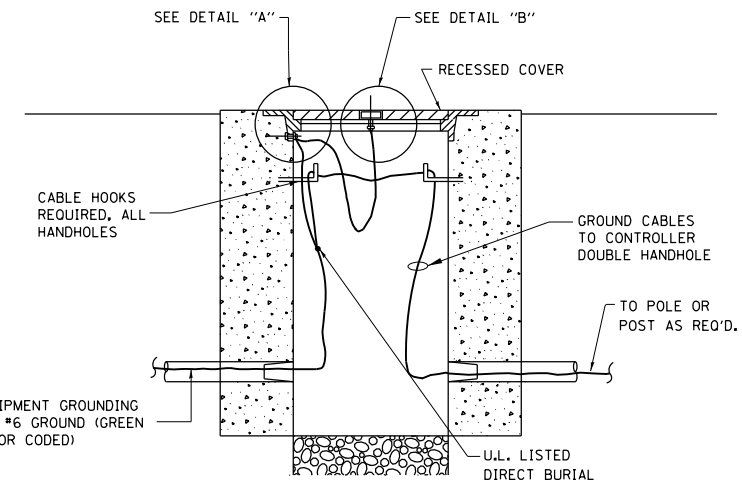
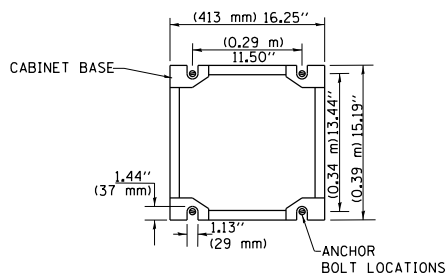
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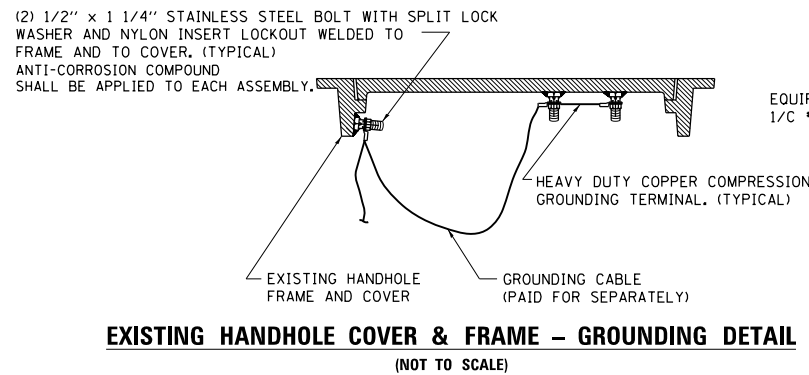
**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)  
SERVICE INSTALLATION POLE MOUNT (SHOWN)  
(NOT TO SCALE)**



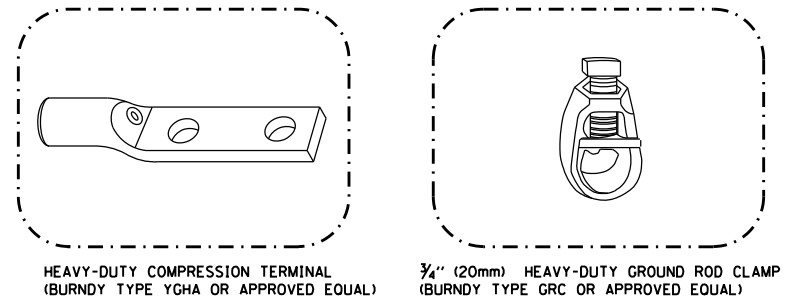
**CABINET - BASE BOLT PATTERN (NOT TO SCALE)**



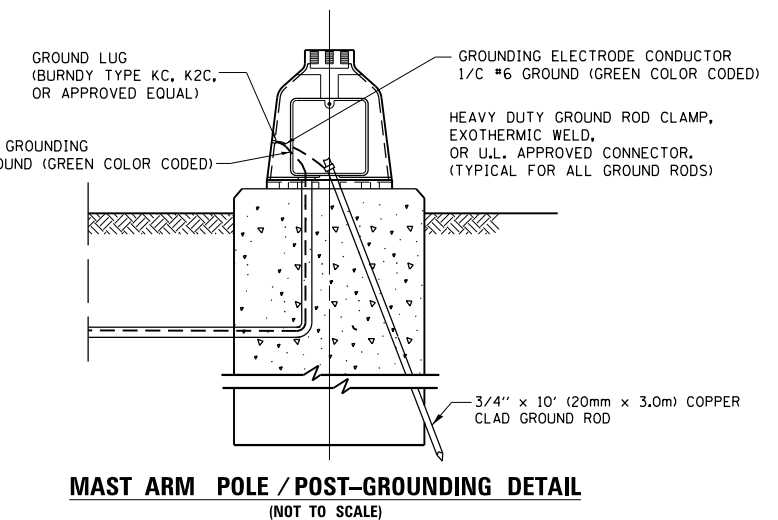
**HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)**



**EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)**



- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
  - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



**MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)**

**NOTES:  
GROUNDING SYSTEM**

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN ENCLOSED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

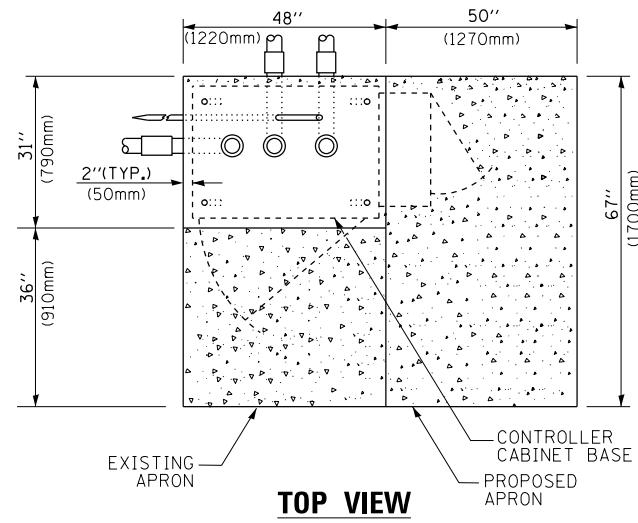
TS SHT NO. 4

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	PLOT DATE = 5/17/2016	DATE -	REVISED -

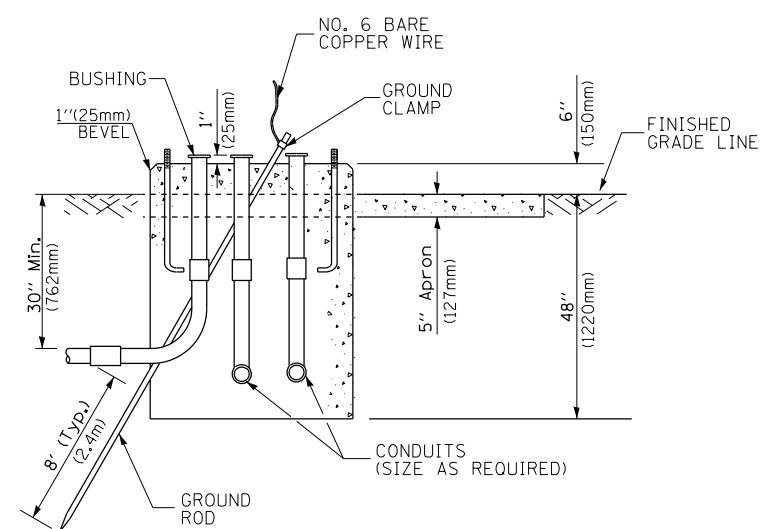
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>			
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET 4	OF 7 SHEETS	STA. TO STA.

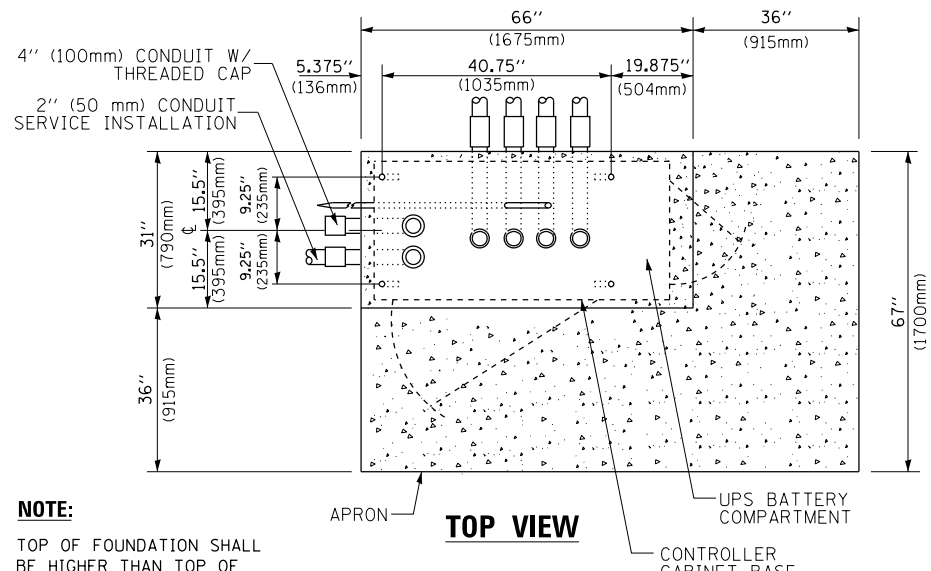
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	45
TS-05		CONTRACT NO. 61E95		
ILLINOIS FED. AID PROJECT				



**TOP VIEW**

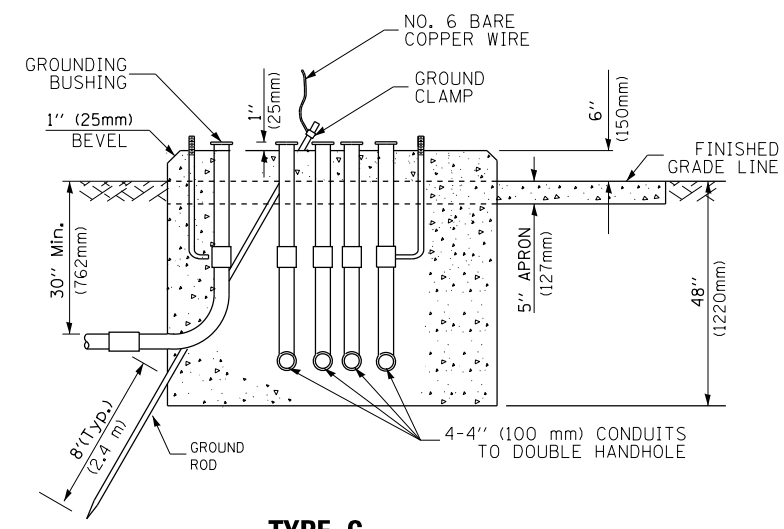


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

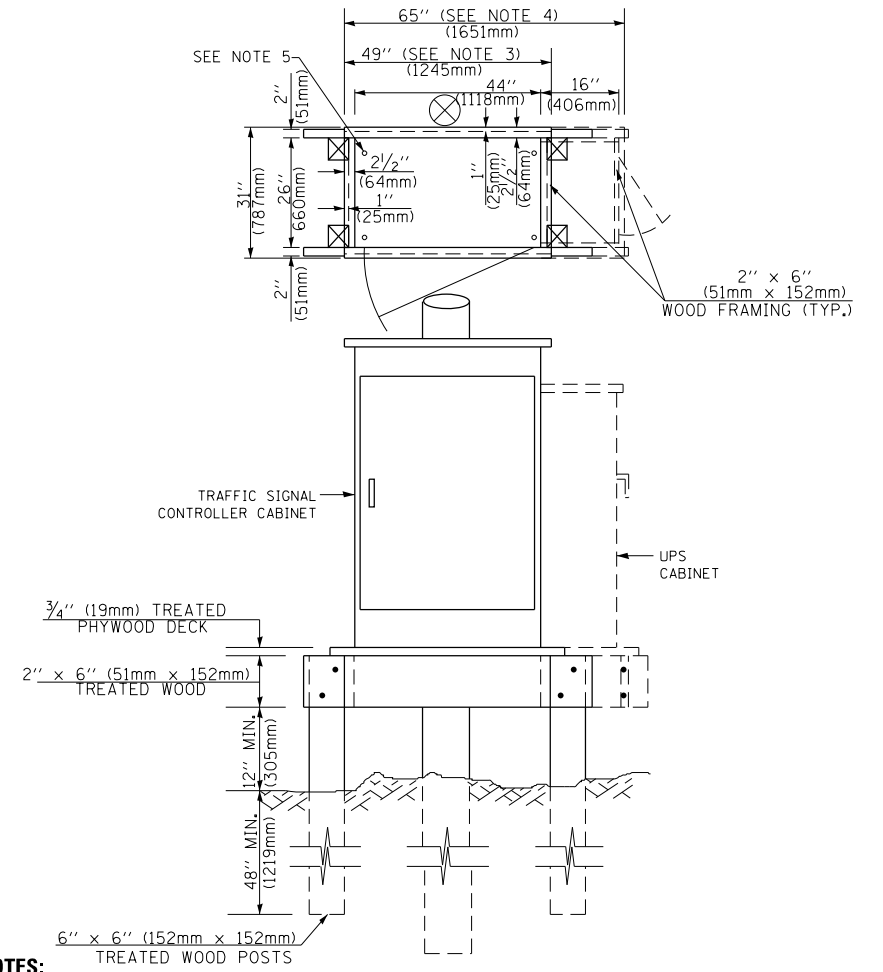


**TOP VIEW**

**NOTE:**  
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C  
FOR GROUND MOUNTED  
SUPER P (TYPE IV) AND SUPER R (TYPE V)  
CONTROLLER CABINETS**



**NOTES:**

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

**CABLE SLACK**

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE ( MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

**VERTICAL CABLE LENGTH**

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

**DEPTH OF FOUNDATION**

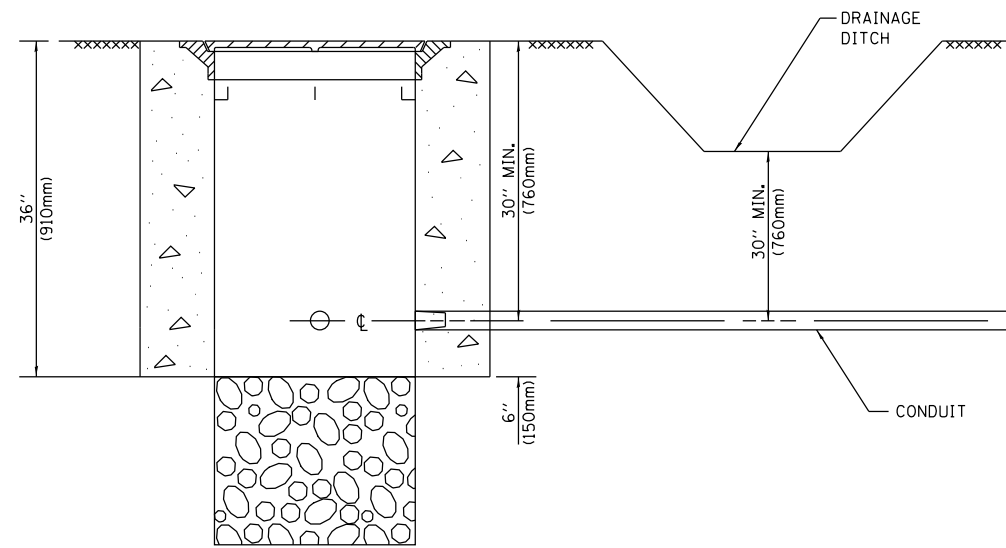
MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	24" (600mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

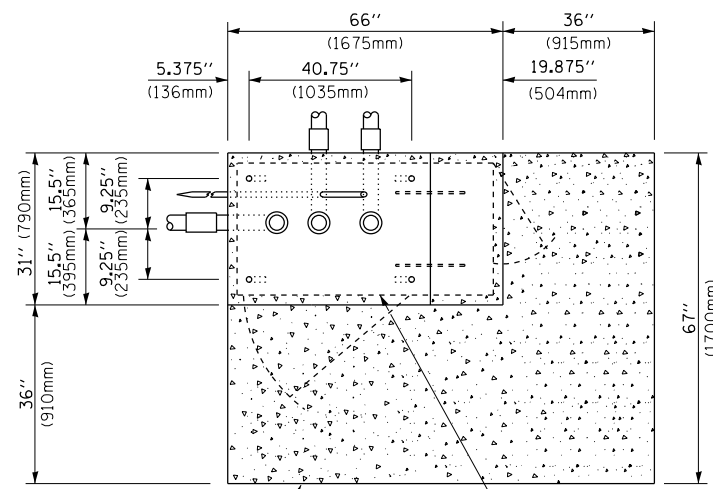
TS SHT NO. 5



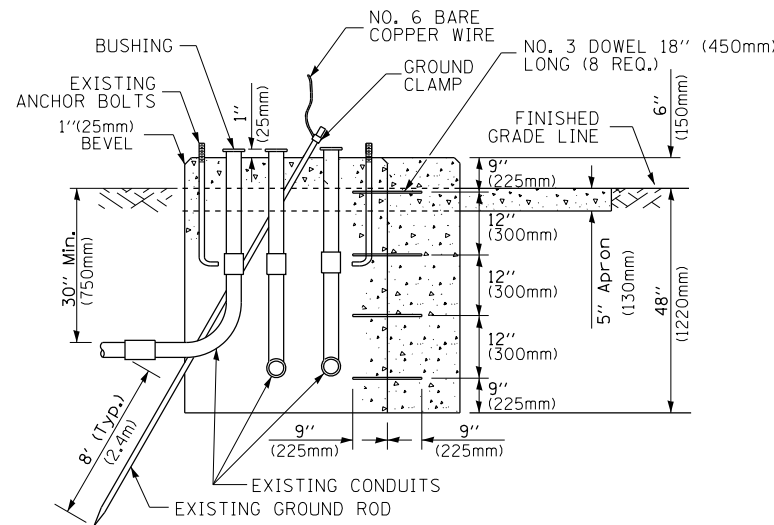
**NOTES:**

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**TOP VIEW**  
(NOT TO SCALE)

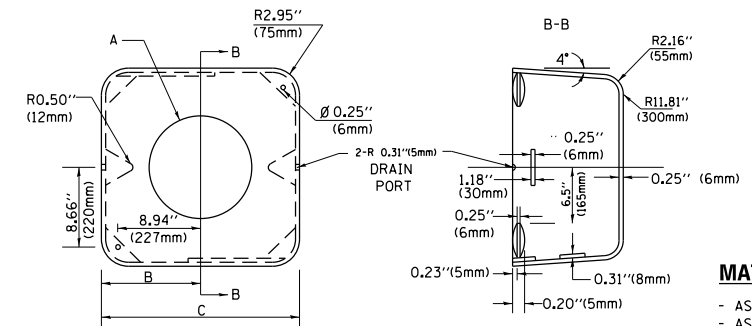


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



**MATERIAL:**  
- ASTM A36 STEEL  
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

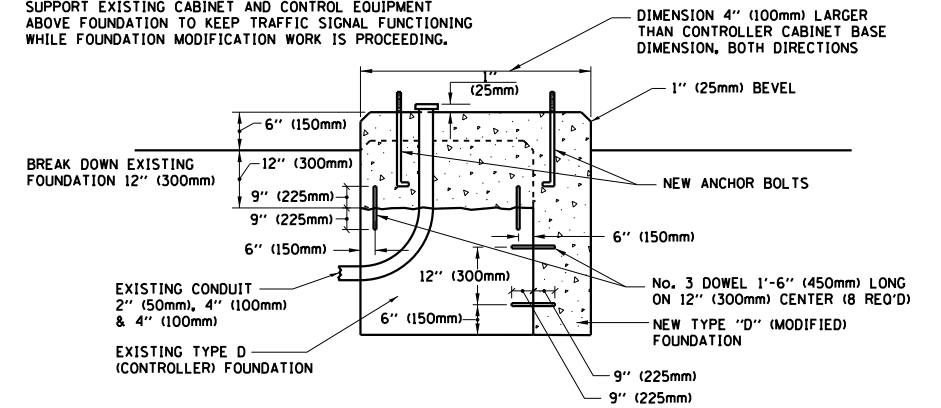
**SHROUD**

**NOTES:**

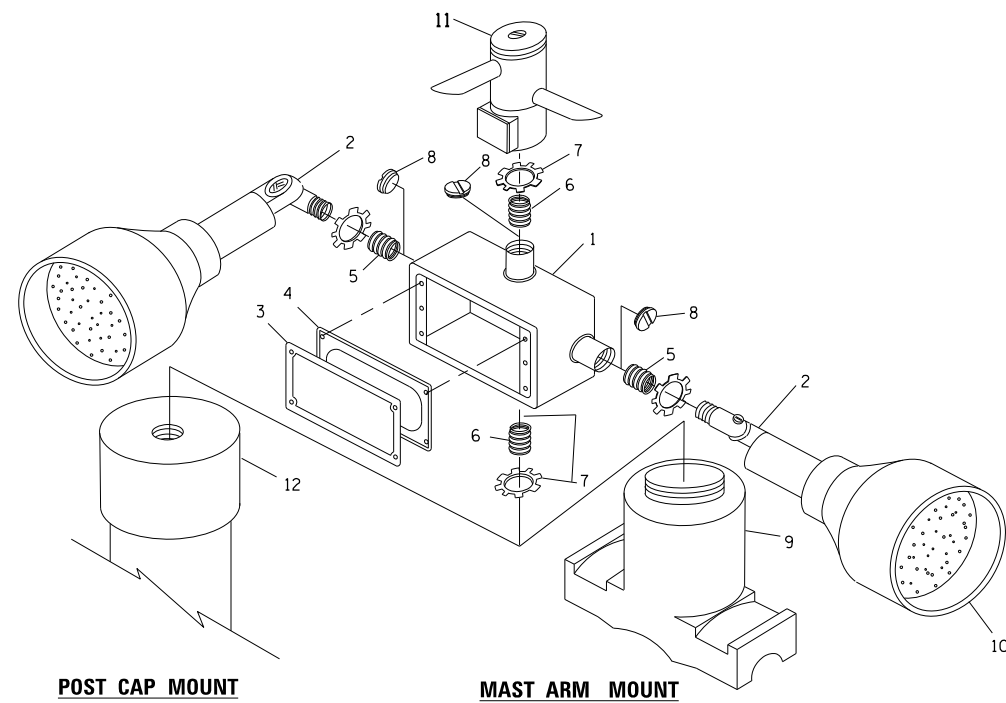
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

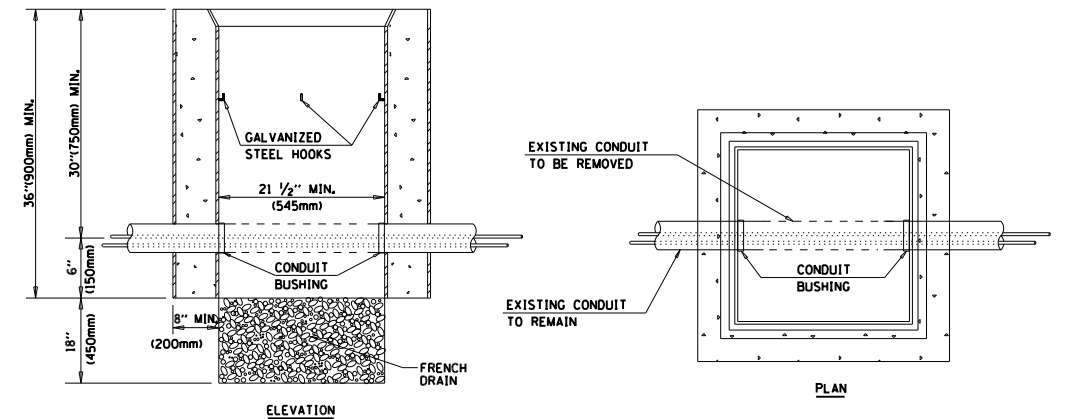
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



**MODIFY EXISTING TYPE "D" FOUNDATION**



**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**NOTES:**

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

TS SHT NO. 6

FILE NAME =	USER NAME = plascencia	DESIGNED -	REVISED -
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	PLOT DATE = 5/17/2016	DATE -	REVISED -

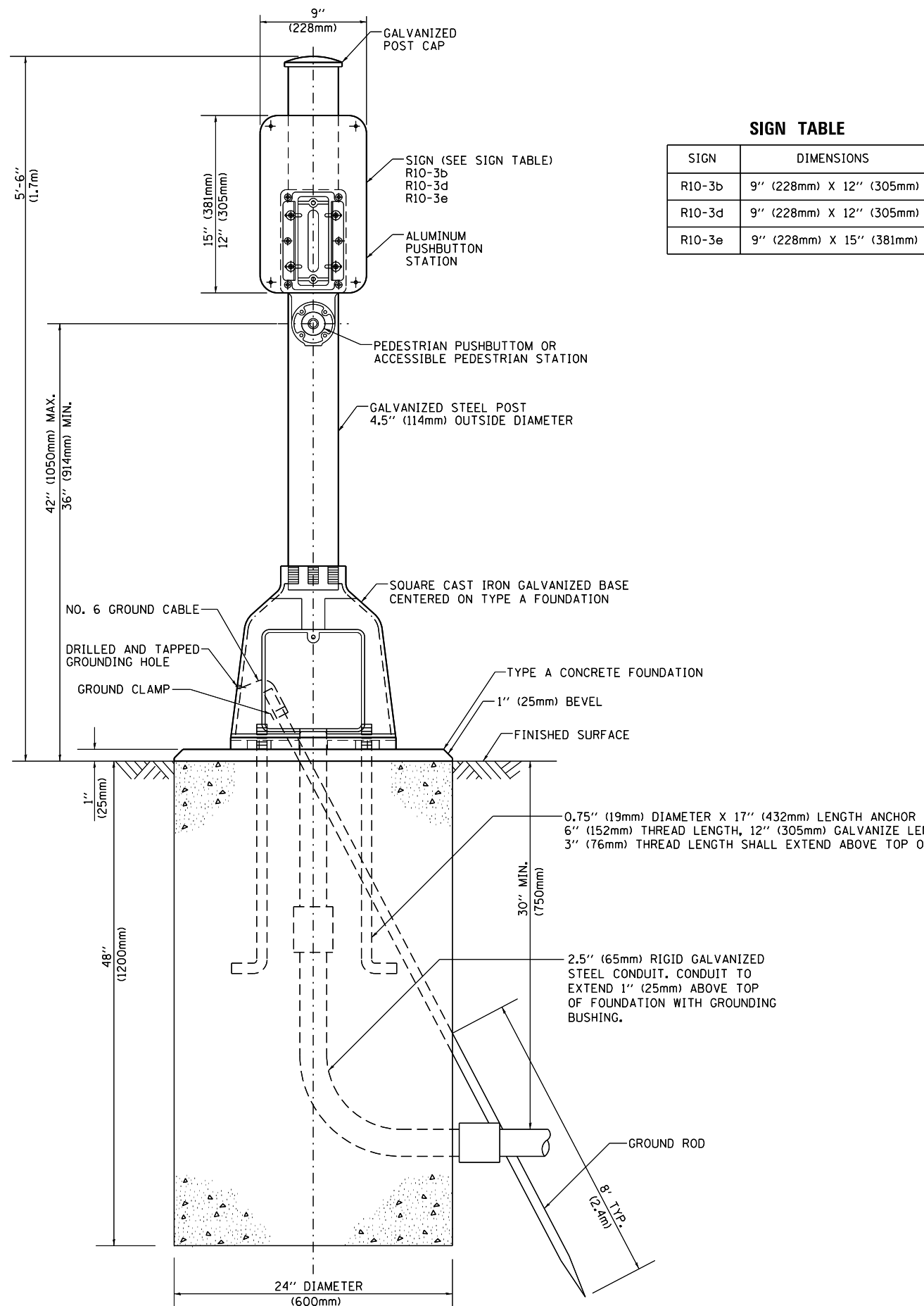
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

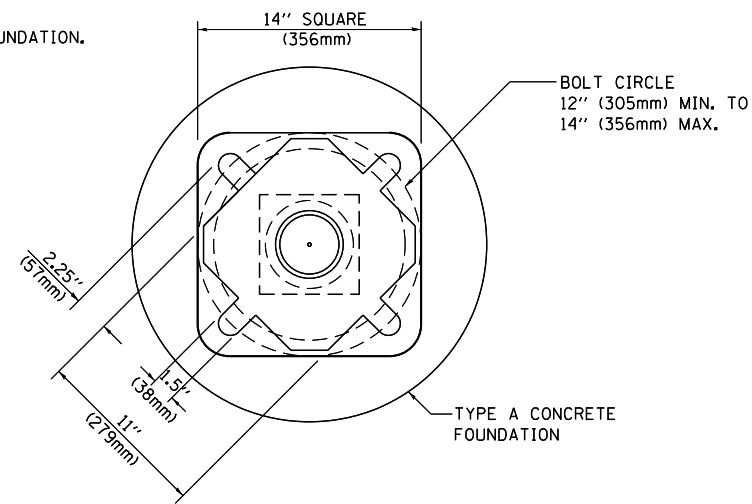
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	47
TS-05		CONTRACT NO. 61E95		
ILLINOIS FED. AID PROJECT				

TS SHT NO. 7



**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



**BOLT PATTERN**

**PEDESTRIAN PUSH BUTTON POST, TYPE A**

FILE NAME =	USER NAME = plascencia	DESIGNED -	REVISED -
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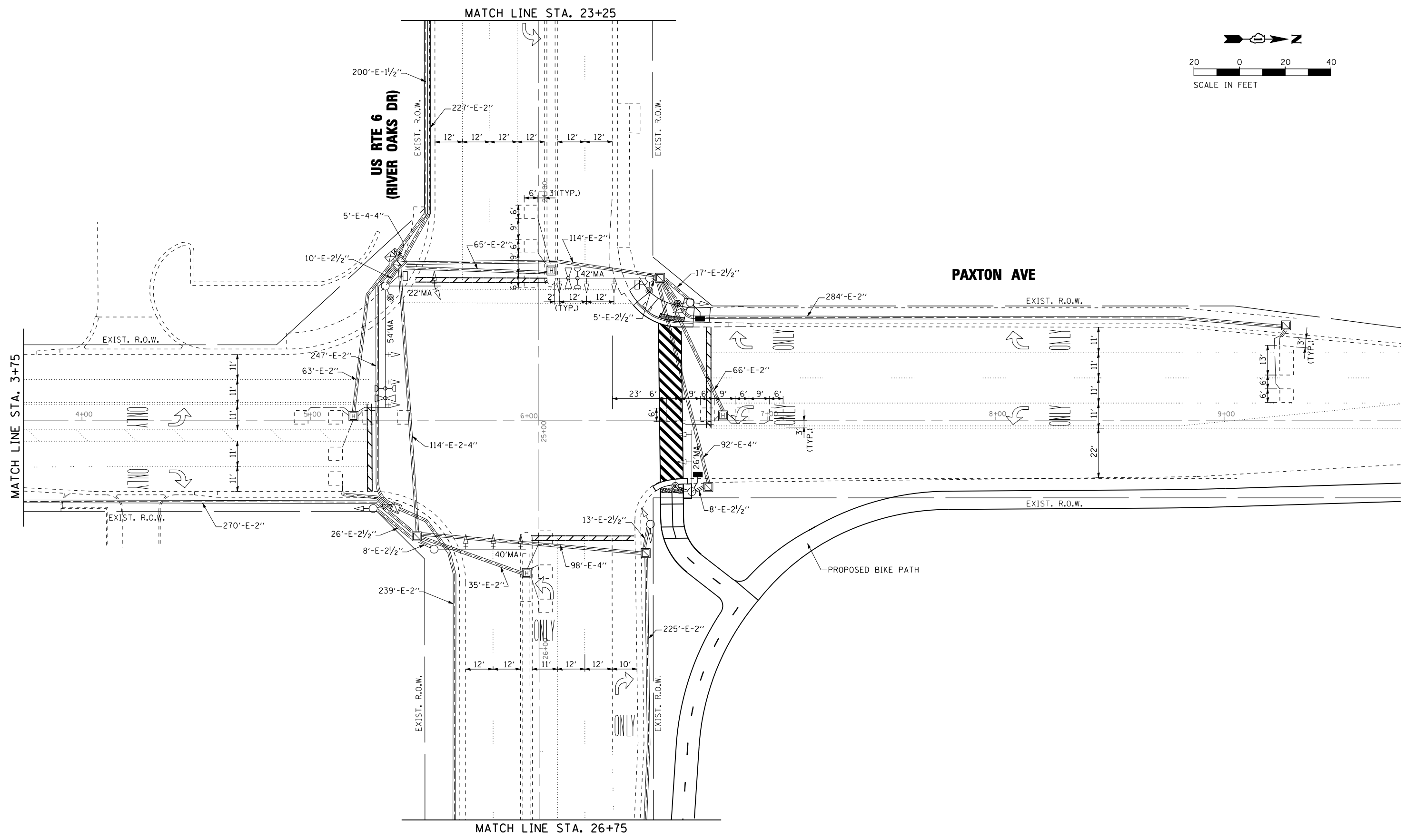
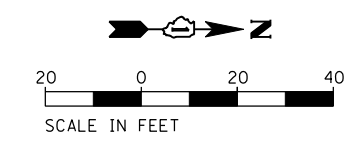
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	48
TS-05			CONTRACT NO. 61E95	
ILLINOIS FED. AID PROJECT				





FILE NAME =  
\$FILEL\$

**GA** GANDHI AND ASSOCIATES, INC.  
ENGINEERS AND PLANNERS  
6035 N. NORTHWEST HIGHWAY  
SUITE 306  
CHICAGO, ILLINOIS 60631 TEL: 773.774.590

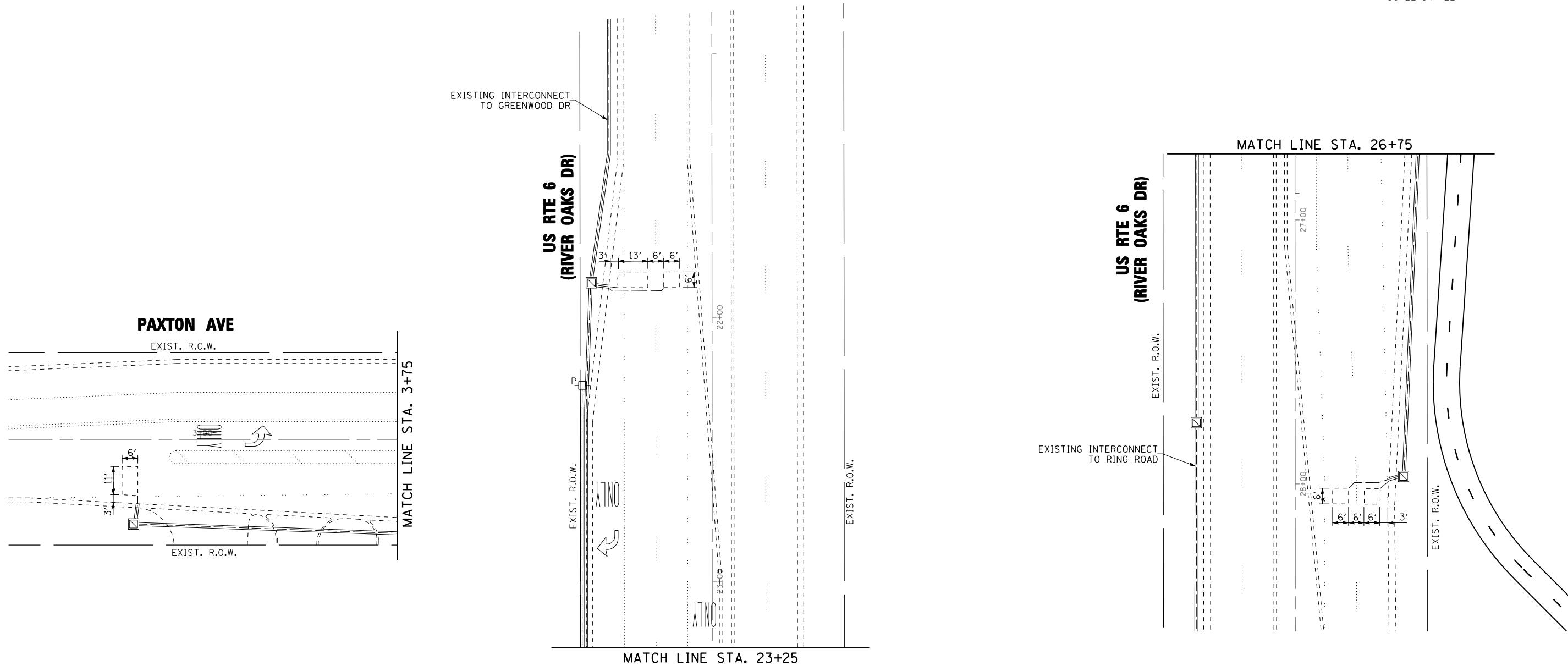
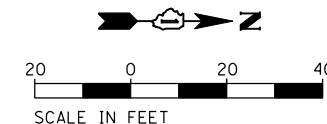
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	DATE - 3/20/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

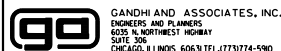
**TRAFFIC SIGNAL MODERNIZATION PLAN  
US RTE 6 (RIVER OAKS DR) AT PAXTON AVE  
(SHEET 1 OF 2)**

SCALE: 1"=20'      SHEET NO.    OF    SHEETS    STA.                    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	49
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E95	



FILE NAME =  
\$FILEL\$



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	DRAWN - EB, AV	REVISED -
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PLOT DATE = \$DATE\$	DATE - 3/20/2018	REVISED -

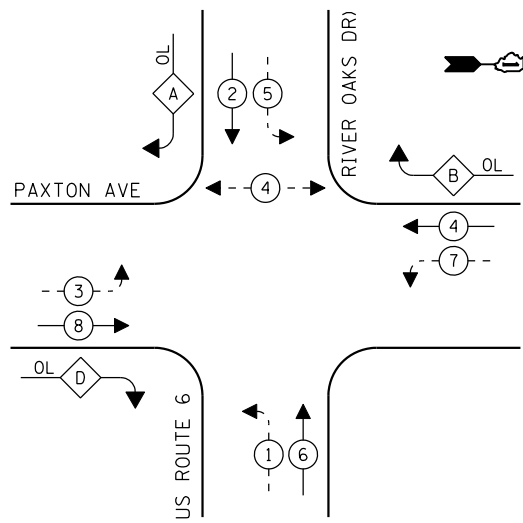
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN  
US RTE 6 (RIVER OAKS DR) AT PAXTON AVE  
(SHEET 2 OF 2)**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	50
CONTRACT NO. 61E95				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

**EXISTING CONTROLLER SEQUENCE**



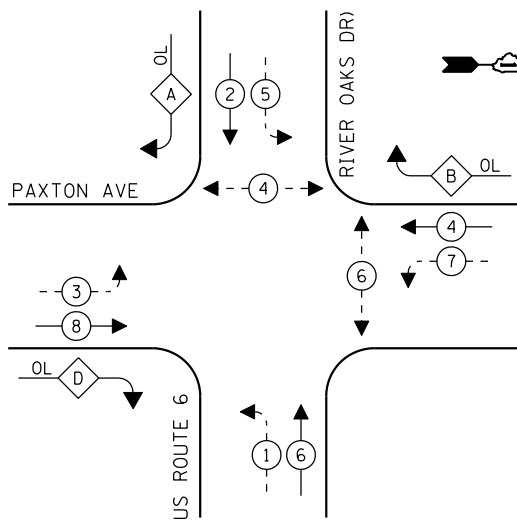
**LEGEND:**

- ← \* → PROTECTED PHASE
- ← \* - - PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ← \* OL → OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 +	3
B	= 4 +	5
D	= 8 +	1

**PROPOSED CONTROLLER SEQUENCE**



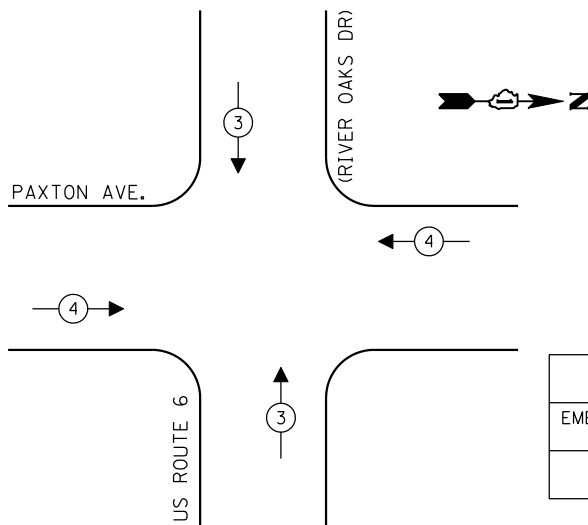
**LEGEND:**

- ← \* → PROTECTED PHASE
- ← \* - - PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ← \* OL → OVERLAP

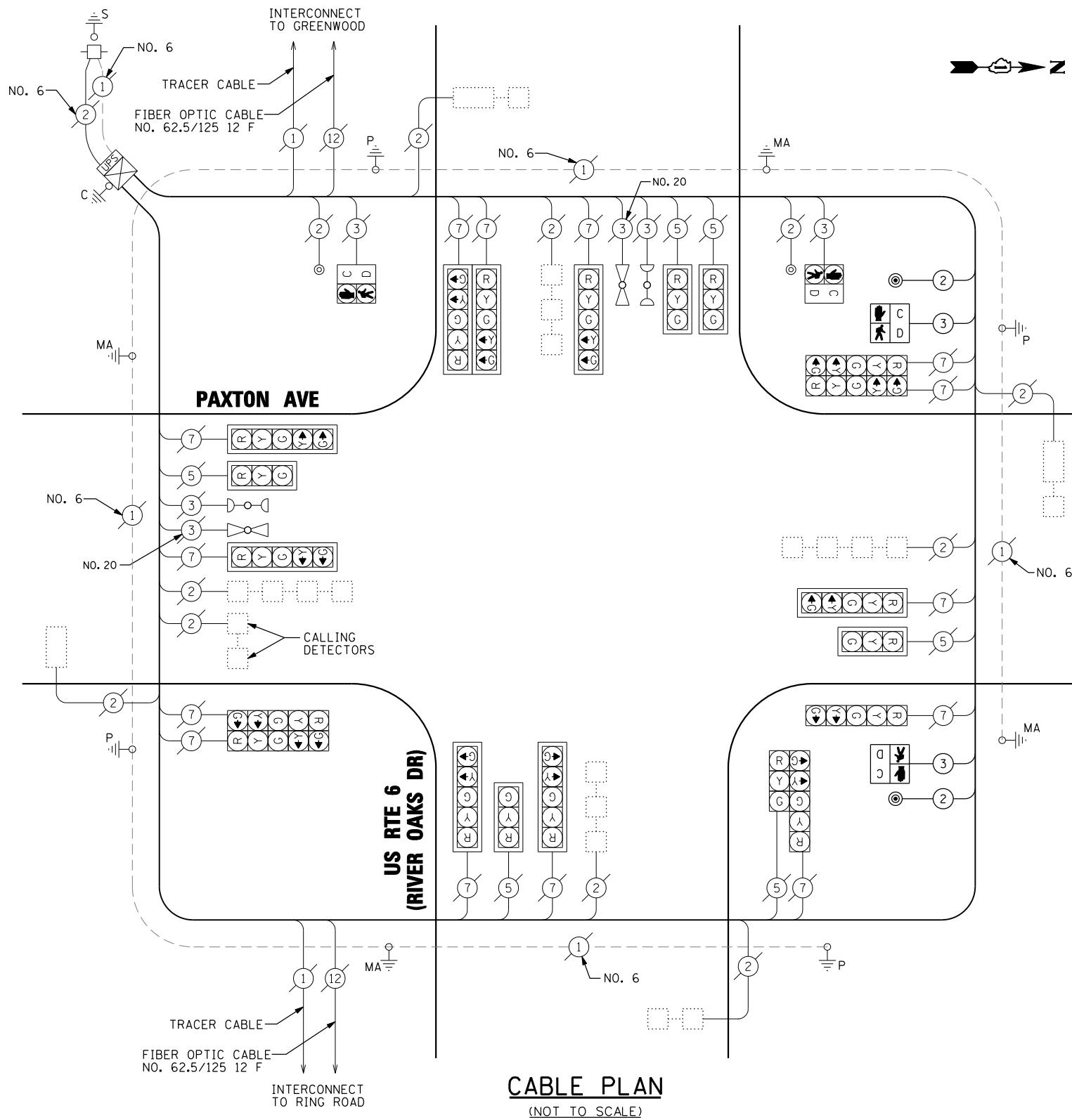
**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 +	3
B	= 4 +	5
D	= 8 +	1

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



EXISTING EMERGENCY VEHICLE PREEMPTOR	
EMERGENCY VEHICLE PREEMPTOR	3 4
MOVEMENT	↑ ↓ ← →



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	432
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	446
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	17	50	170
(YELLOW)	20	25	25	125
(GREEN)	20	15	25	75
PERMISSIVE ARROW	28	12	10	34
PED. SIGNAL	4	25	100	100
CONTROLLER	1	100	100	100
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				604

ENERGY COSTS TO:  
CITY OF CALUMET CITY

ENERGY SUPPLY: CONTACT: GREG TRIEMSTRA  
PHONE: (708) 235-2331  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

FILE NAME =  
GANDHI AND ASSOCIATES, INC.  
ENGINEERS AND PLANNERS  
5035 N. NORTHWEST HIGHWAY  
SUITE 300  
CHICAGO, ILLINOIS 60631 TEL: (773) 774-590

DESIGNED - EA	REVISED -
DRAWN - EB, AV	REVISED -
CHECKED - PKG	REVISED -
DATE - 3/20/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

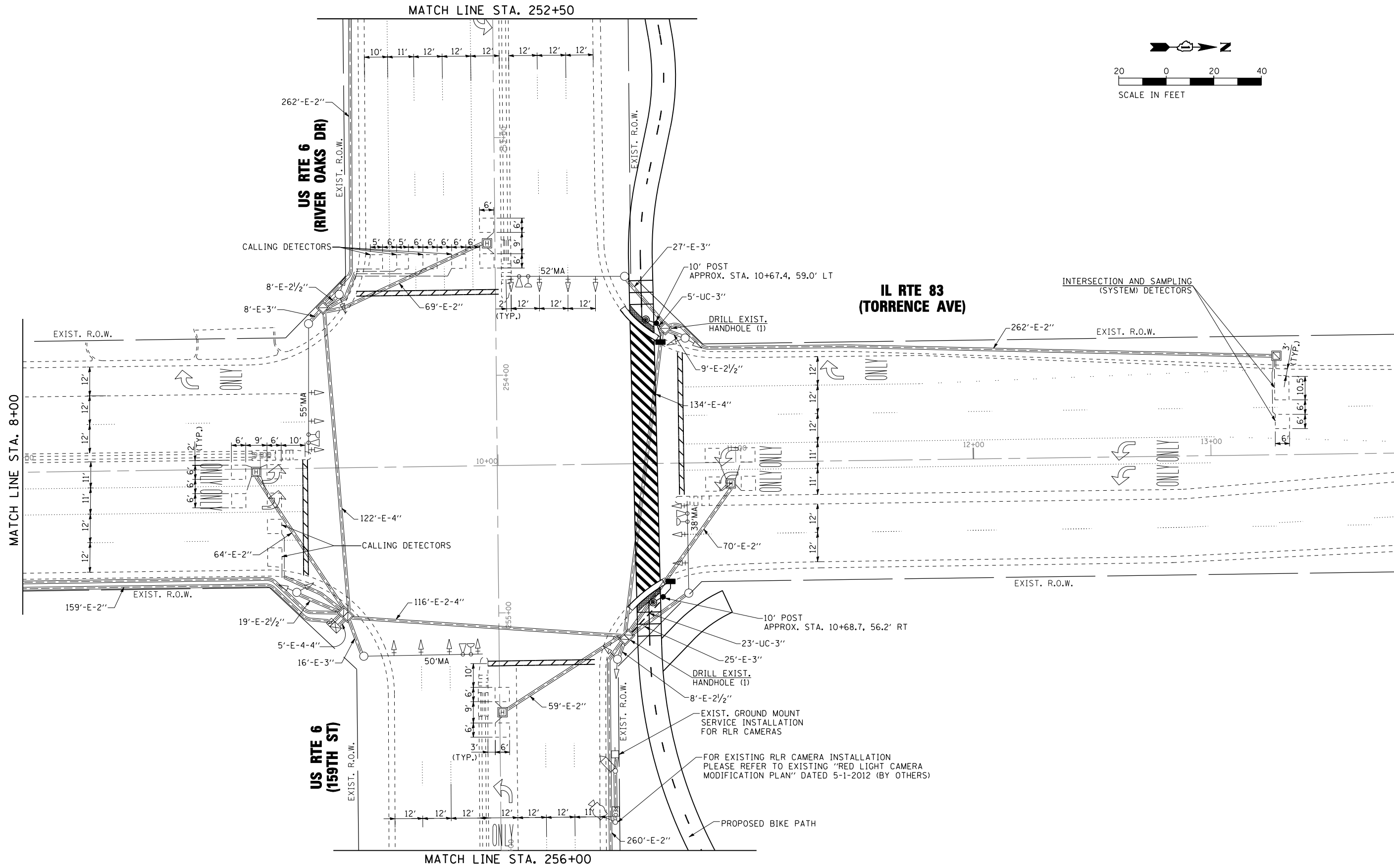
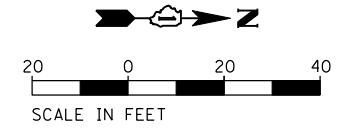
**MODIFIED CABLE PLAN  
US RTE 6 (RIVER OAKS DR) AT PAXTON AVE**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	51

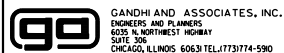
CONTRACT NO. 61E95  
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT

MATCH LINE STA. 252+50



MATCH LINE STA. 256+00

FILE NAME =  
\$FILEL\$



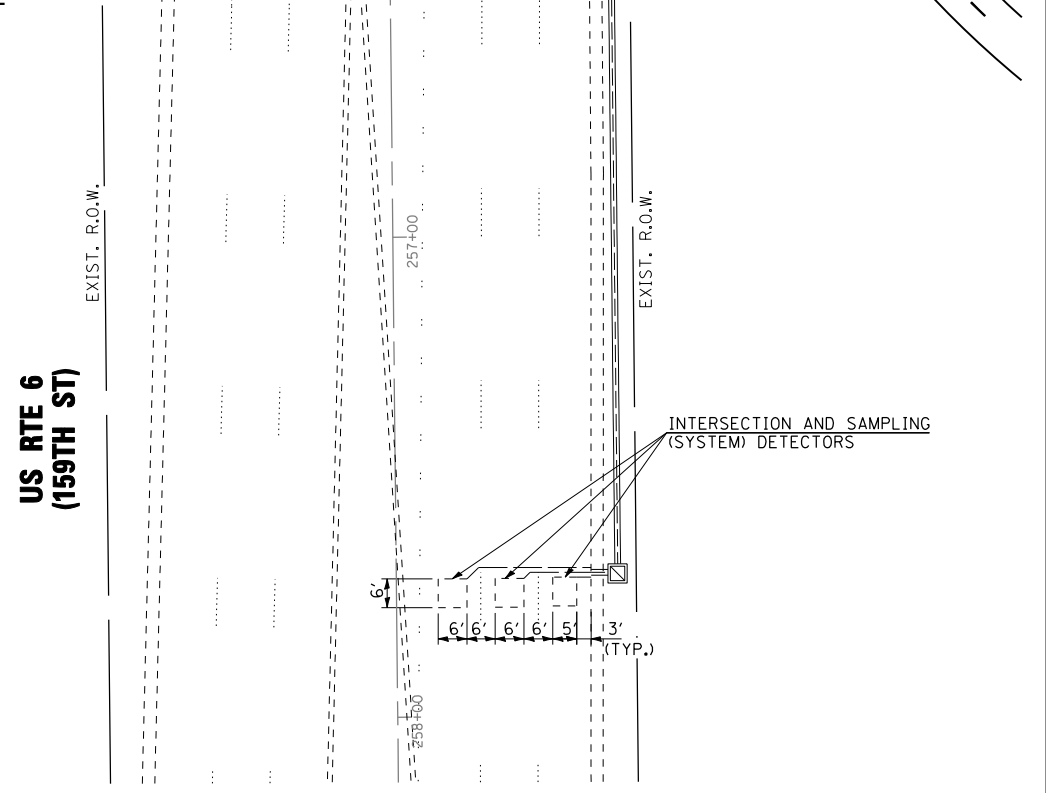
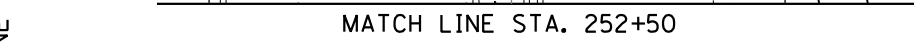
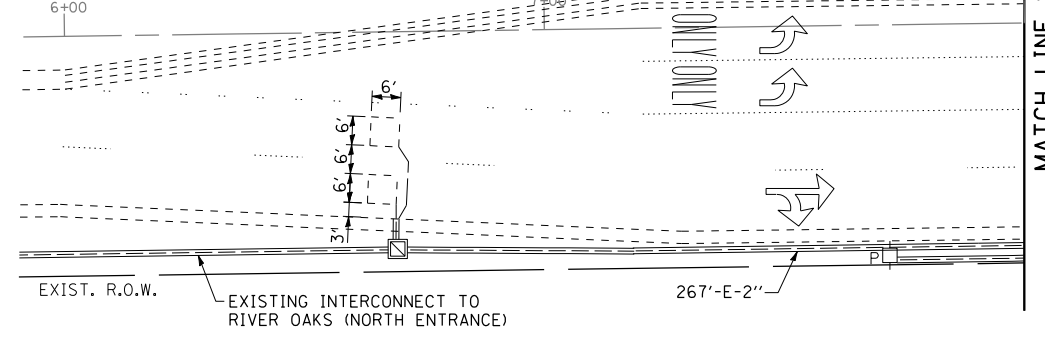
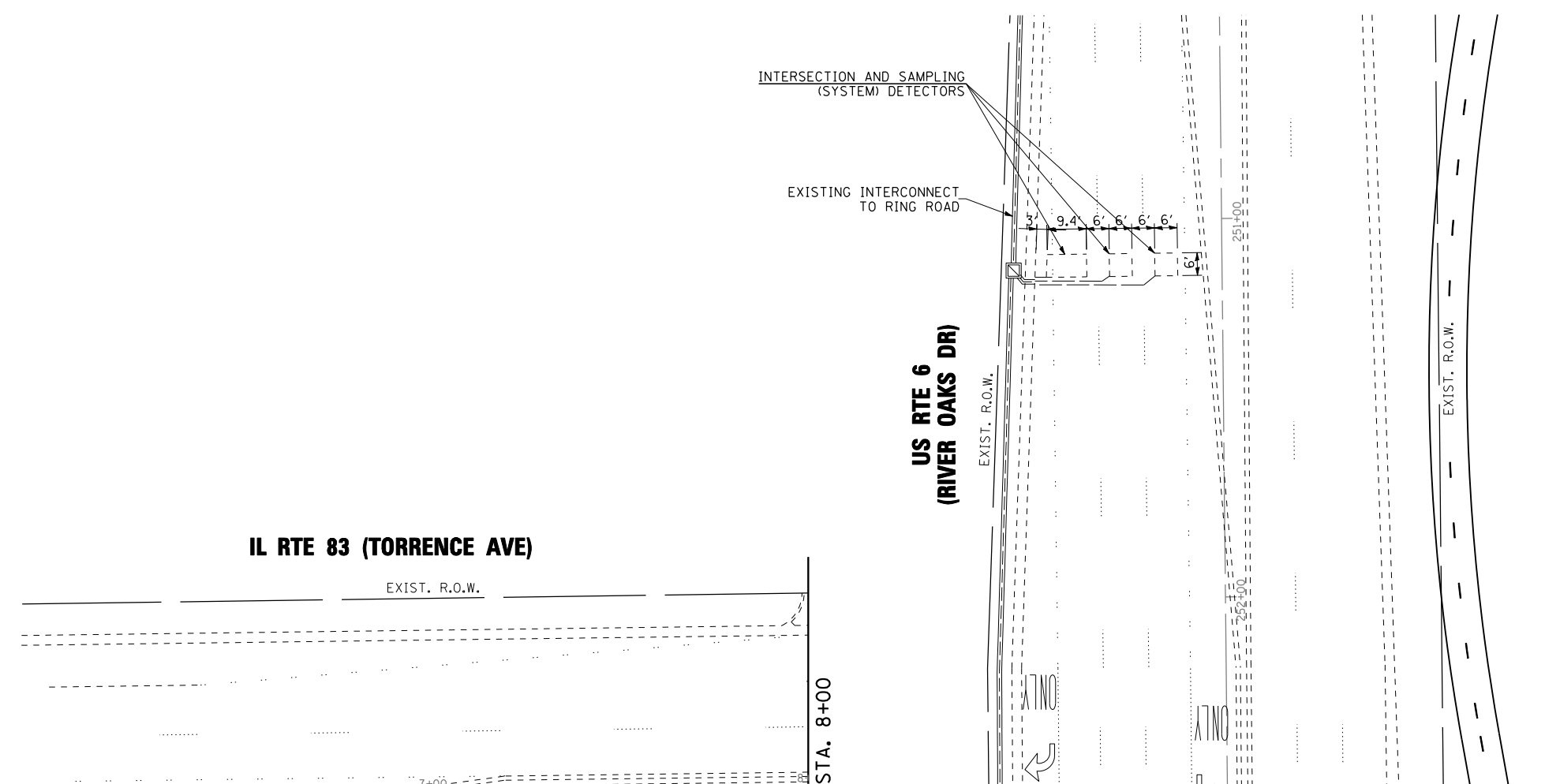
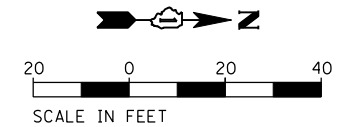
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PLOT DATE = \$DATE\$	CHECKED - PKG	REVISED -
	DATE - 3/20/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN  
US RTE 6 (RIVER OAKS DR /159 ST) AT IL RTE 83 (TORRENCE AVE)  
(SHEET 1 OF 2)**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	52
CONTRACT NO. 61E95				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



FILE NAME =  
\$FILEL\$



USER NAME = \$USER\$	DESIGNED - EA	REVISED -
DRAWN - EB, AV	CHECKED - PKG	REVISED -
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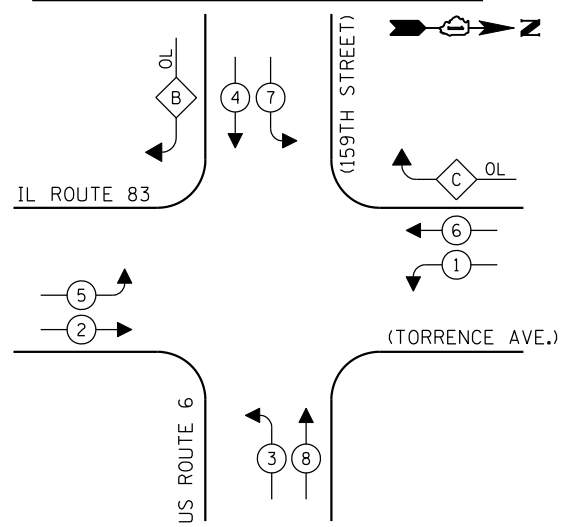
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN  
US RTE 6 (RIVER OAKS DR /159 ST) AT IL RTE 83 (TORRENCE AVE)  
(SHEET 2 OF 2)**

SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. TO STA.
---------------	---------------------	--------------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	53
CONTRACT NO. 61E95				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

**EXISTING CONTROLLER SEQUENCE**



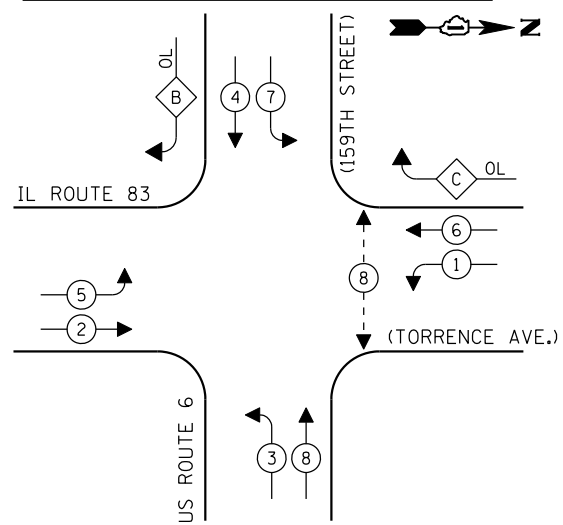
**LEGEND:**

- ← \* → PROTECTED PHASE
- ← - \* - → PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ← \* OL → OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B =	4 +	5
C =	6 +	7

**PROPOSED CONTROLLER SEQUENCE**



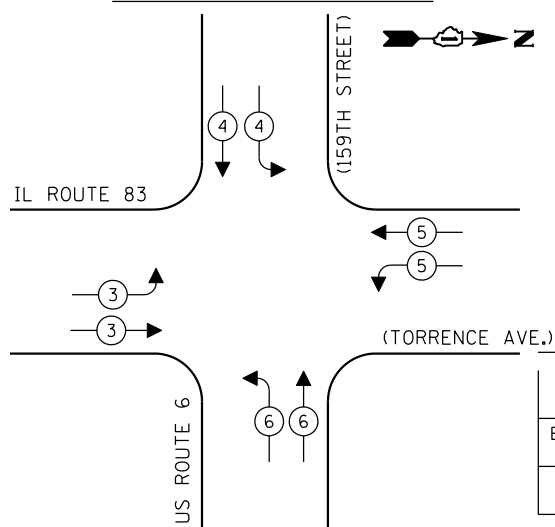
**LEGEND:**

- ← \* → PROTECTED PHASE
- ← - \* - → PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ← \* OL → OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

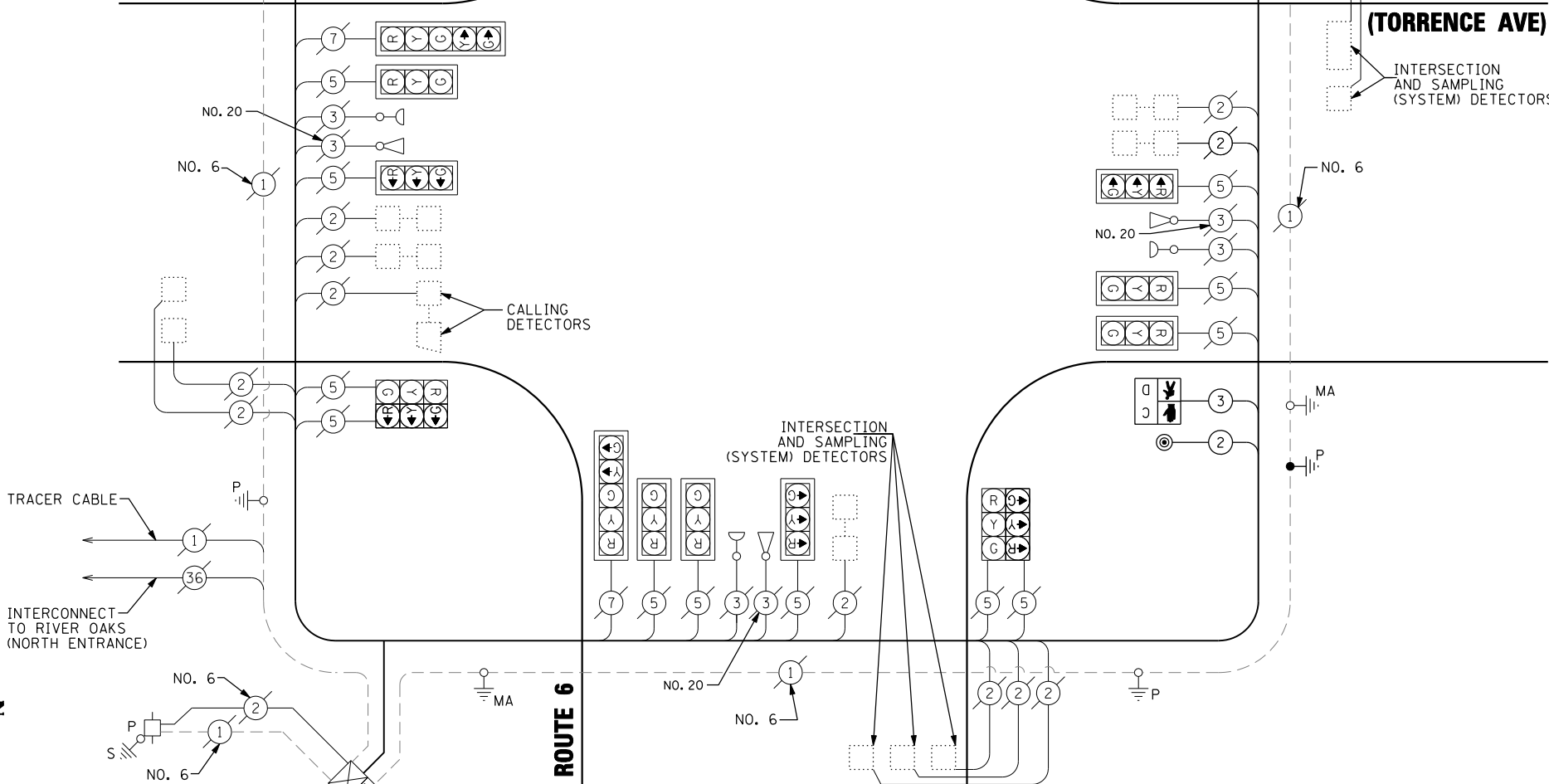
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B =	4 +	5
C =	6 +	7

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



EXISTING EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	→	↓	←	↑

**IL ROUTE 83**



**CABLE PLAN**  
(NOT TO SCALE)

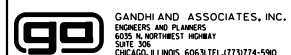
**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	28
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	494
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	508
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	38
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	22	17	50	187.0
(YELLOW)	22	25	25	137.5
(GREEN)	22	15	25	82.5
PERMISSIVE ARROW	8	12	10	9.6
PED. SIGNAL	2	25	100	50.0
CONTROLLER	1	100	100	100.0
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				566.6

ENERGY COSTS TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196-1096  
ENERGY SUPPLY: CONTACT: ANTHONY EXCALANTE  
PHONE: (708) 878-9908  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---



USER NAME = *USER*	DESIGNED - EA	REVISED -
PLOT SCALE = *SCALE*	DRAWN - EB, AV	REVISED -
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	DATE - 3/20/2018	REVISED -

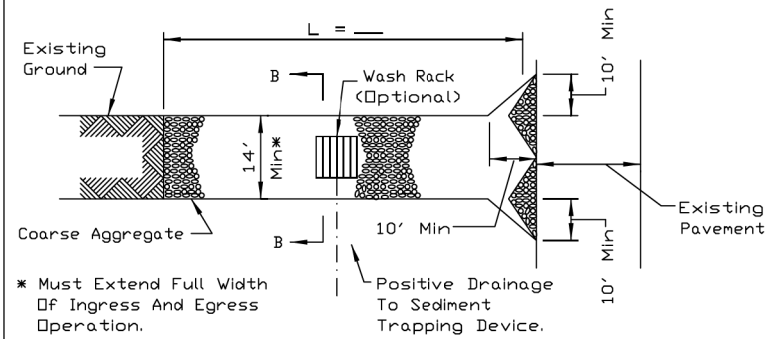
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**MODIFIED CABLE PLAN**  
**US RTE 6 (RIVER OAKS DR) AT IL RTE 83 (TORRENCE AVE)**

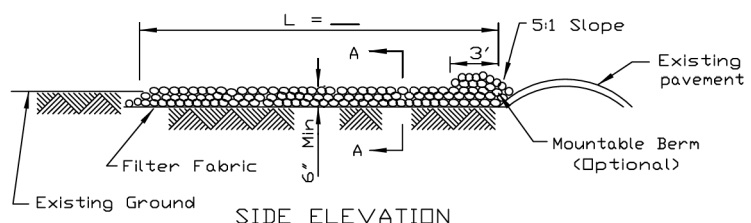
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	54
CONTRACT NO. 61E95				
FED. ROAD DIST. NO. [ ] ILLINOIS FED. AID PROJECT				

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



SIDE ELEVATION

NOTES:

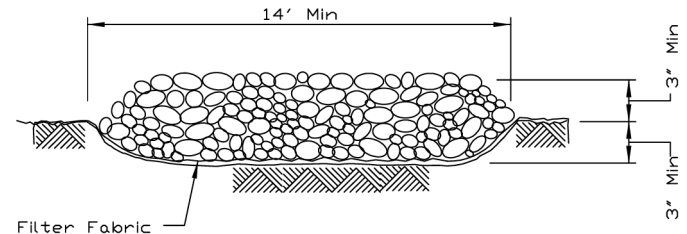
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

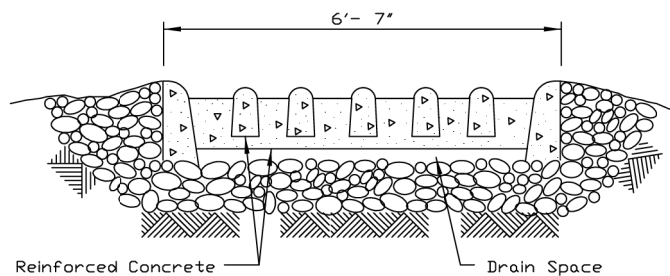


STANDARD DWG. NO.	IL-630
SHEET	1 OF 2
DATE	8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



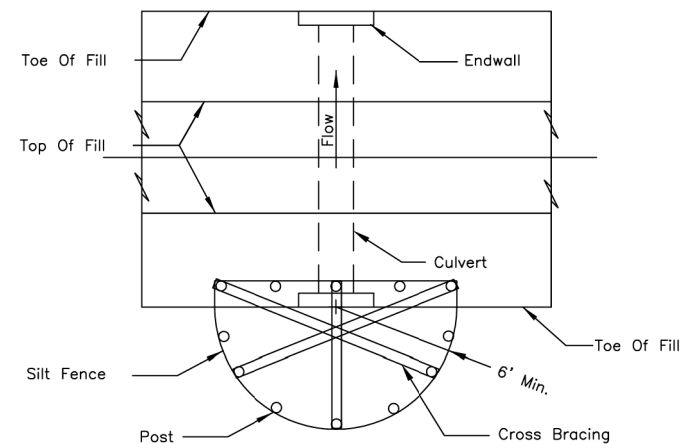
SECTION B-B

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IL-630
SHEET	2 OF 2
DATE	8-18-94

CULVERT INLET PROTECTION - SILT FENCE



PLAN VIEW

NOTES:

1. The silt fence shall meet the requirements as shown on standard drawing IL-620 SILT FENCE except the maximum post spacing shall be 3 feet and the tops of posts shall be cross braced.
2. Sediment shall be removed when the sediment has accumulated to one-half the height of the silt fence.
3. The maximum drainage area to the culvert being protected is 1 acre.

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IL-508SF
SHEET	1 OF 1
DATE	1-29-99

PAID FOR AS INLET PROTECTION, SPECIAL

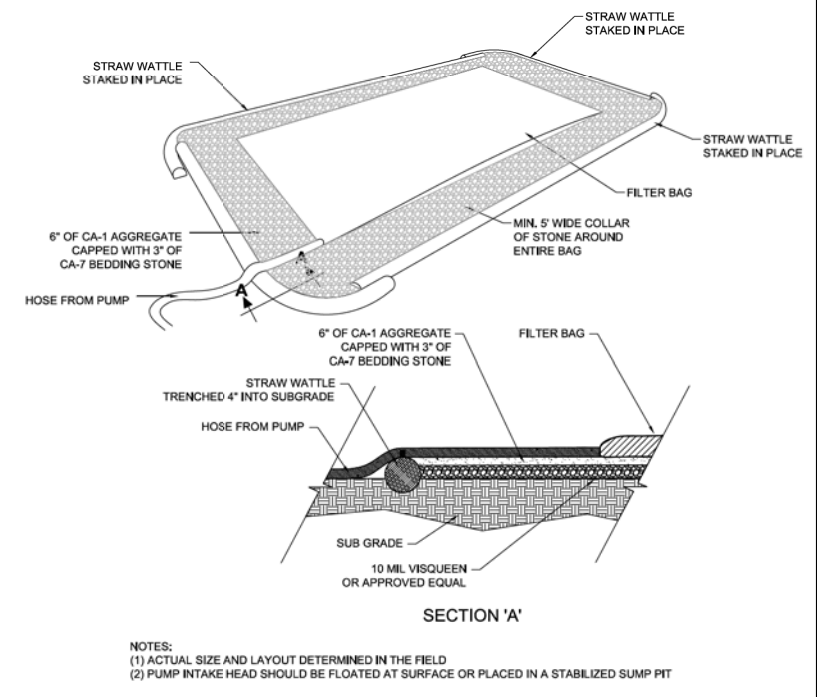
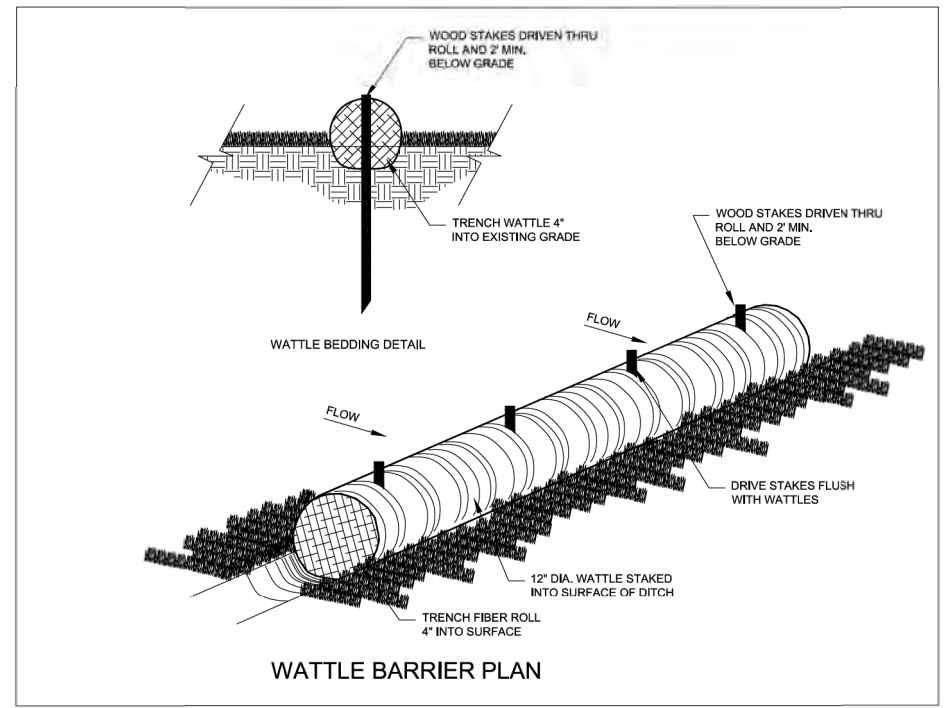
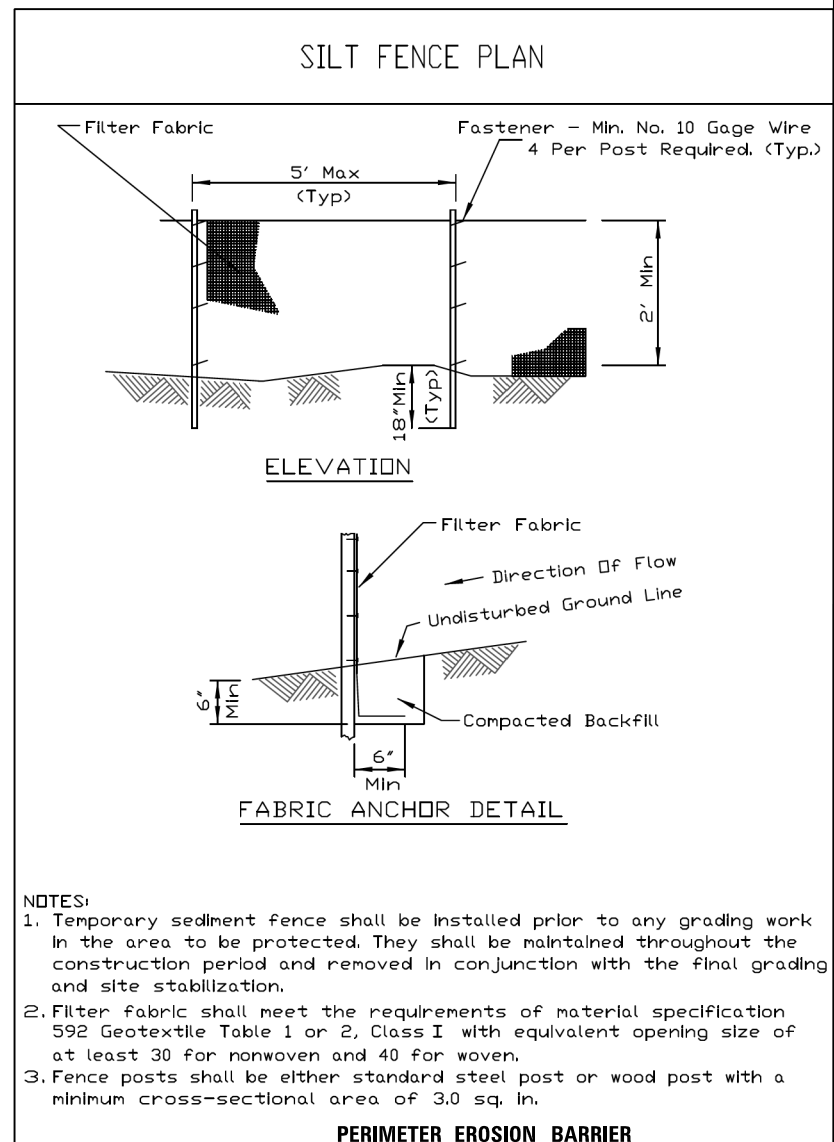
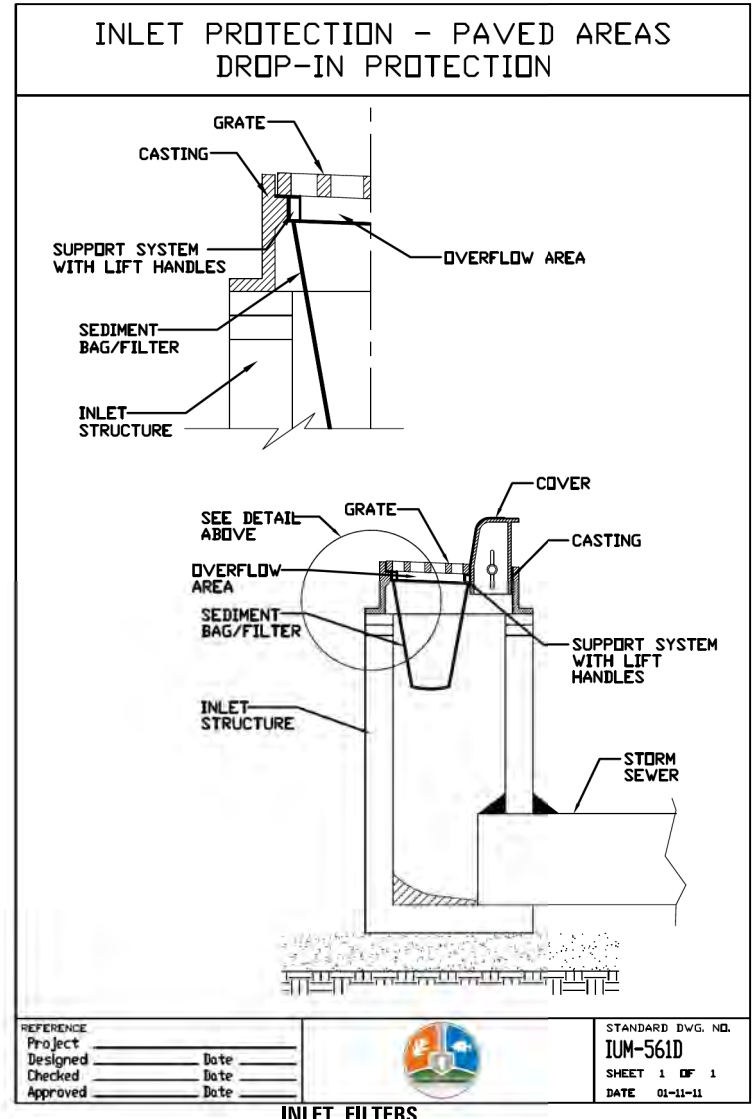
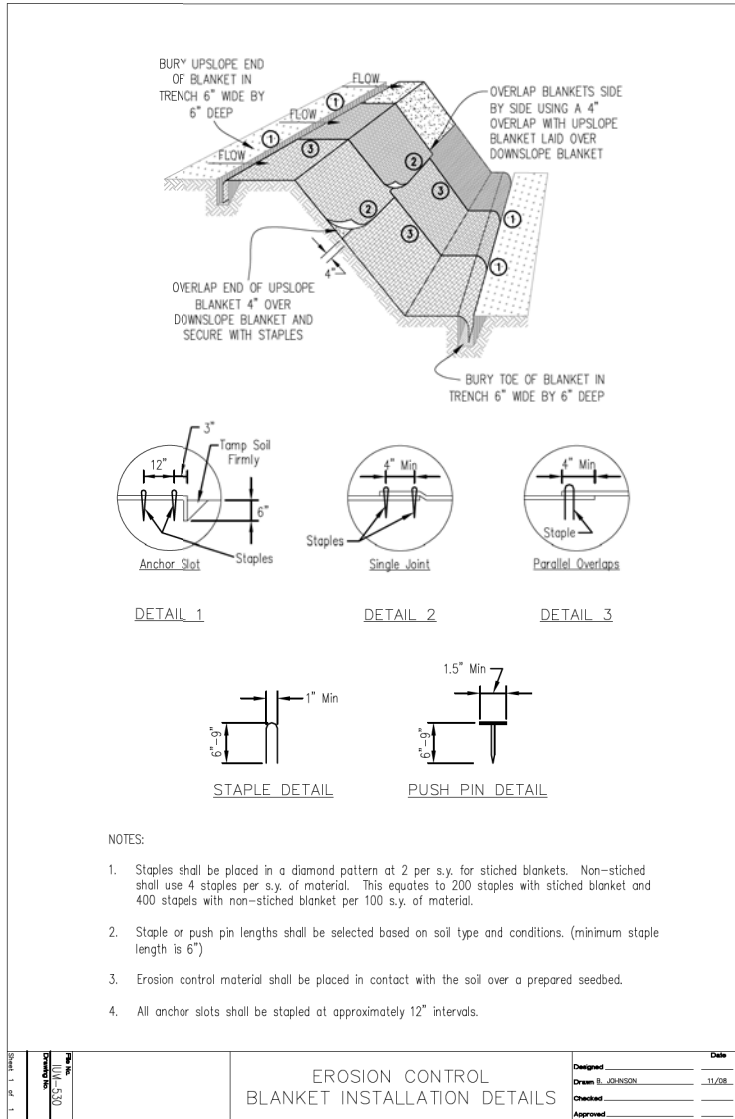
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Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SAND RIDGE TRAIL  
EROSION CONTROL DETAILS

SCALE: SHEET 55 OF 76 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	55
CONTRACT NO. 61E95				
ILLINOIS FED. AID PROJECT				

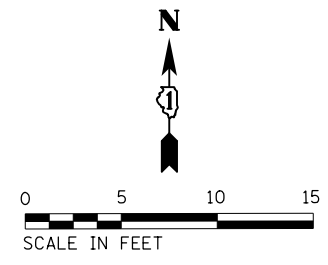


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N:\COOK COUNTY FPD\140501.00002\Civil\EC\DET_110459_02.DGN	DET_110459_02.DGN	DRAWN - MBT	REVISED -			351	13-F3000-24-BT	COOK	76	56	
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	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -			ILLINOIS FED. AID PROJECT					



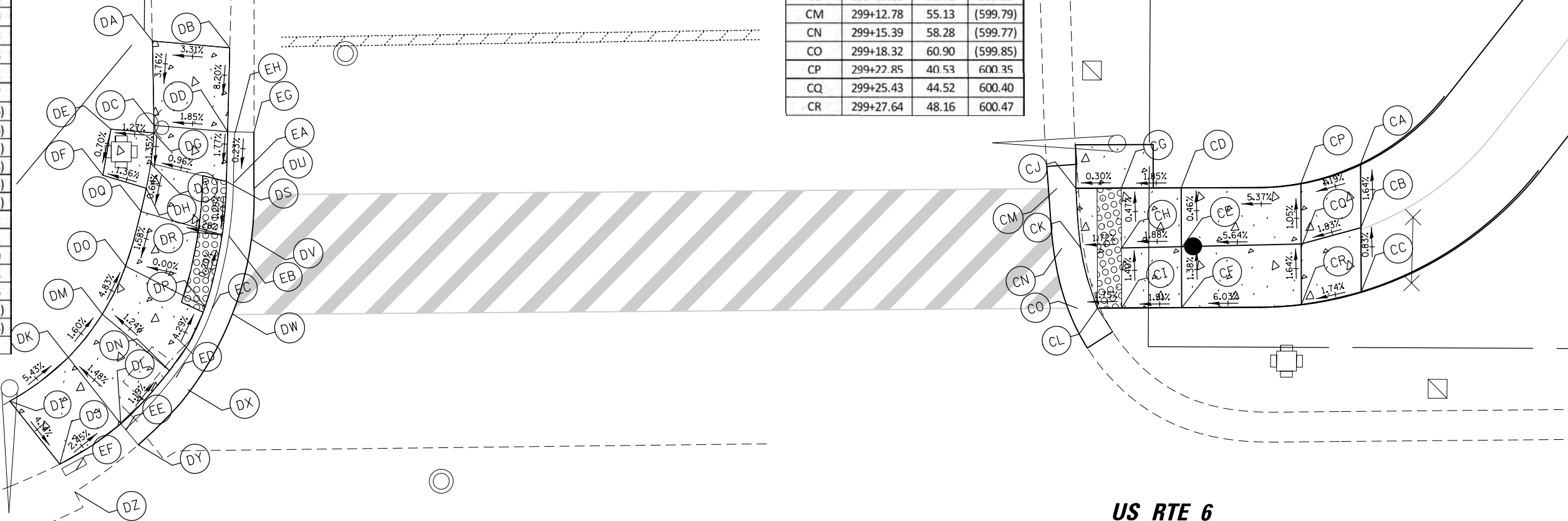
POINT	STA	OFFSET	ELEV
DA	298+81.48	110.25	(600.37)
DB	298+83.30	104.80	(600.56)
DC	298+84.66	113.46	600.20
DD	298+86.44	108.37	600.17
DE	298+83.94	116.77	600.14
DF	298+85.43	119.22	600.12
DG	298+84.93	113.79	600.18
DH	298+86.79	116.61	600.16
DI	298+91.22	135.57	600.68
DJ	298+94.30	134.94	600.55
DK	298+91.00	129.50	600.35
DL	298+94.32	128.83	600.40
DM	298+90.26	125.18	600.28
DN	298+93.63	122.99	600.33
DO	298+89.10	121.42	600.09
DP	298+92.25	117.57	600.09
DQ	298+87.51	117.98	600.15
DR	298+90.09	113.17	600.08
DS	298+88.24	110.55	600.12
DT	298+85.99	115.25	600.17
DU	298+89.12	108.87	(600.16)
DV	298+90.90	111.29	(600.16)
DW	298+93.11	115.99	(600.15)
DX	298+94.68	122.59	(600.18)
DY	298+95.39	128.60	(600.14)
DZ	298+95.39	128.60	(600.15)
EA	298+88.46	110.08	600.12
EB	298+90.28	112.72	600.11
EC	298+82.45	117.18	600.10
ED	298+94.00	122.83	600.08
EE	298+94.64	128.74	600.06
EF	298+94.84	134.08	(600.01)
EG	298+87.03	106.49	(600.18)
EH	298+86.63	107.83	600.13

POINT	STA	OFFSET	ELEV
CA	299+24.86	35.92	(600.41)
CB	299+27.45	40.05	600.49
CC	299+29.93	44.18	(600.53)
CD	299+17.77	47.65	599.88
CE	299+20.20	51.24	599.90
CF	299+22.53	54.90	599.96
CG	299+15.31	51.21	599.80
CH	299+17.75	54.72	599.82
CI	299+20.08	58.31	599.88
CJ	299+13.51	53.96	599.79
CK	299+16.13	57.13	599.77
CL	299+19.11	59.72	599.85
CM	299+12.78	55.13	(599.79)
CN	299+15.39	58.28	(599.77)
CO	299+18.32	60.90	(599.85)
CP	299+22.85	40.53	600.35
CQ	299+25.43	44.52	600.40
CR	299+27.64	48.16	600.47



PAXTON AVE

US RTE 6  
(RIVER OAKS DR)



- LEGEND:**
- PROPOSED SIDE CURB
  - PROPOSED SLOPE
  - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
  - DETECTABLE WARNINGS

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

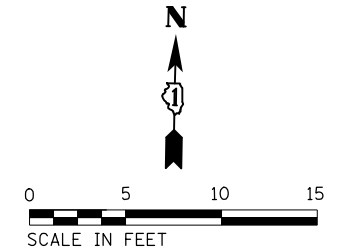
SAND RIDGE TRAIL  
ADA DETAIL SHEET

SCALE: SHEET 57 OF 76 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	57
CONTRACT NO. 61E95				
ILLINOIS FED. AID PROJECT				

POINT	STA	OFFSET	ELEV
A	325+26.53	-5.00	(600.14)
B	325+22.86	0.00	(600.26)
C	325+18.12	5.00	(600.20)
D	325+12.52	-5.00	600.02
E	325+12.52	0.00	600.09
F	325+12.52	5.00	600.16
G	325+07.52	-5.00	599.96
H	325+07.52	0.00	600.02
I	325+07.52	5.00	600.07
J	325+02.52	-5.00	599.92
K	325+02.52	0.00	(599.96)
L	325+02.52	5.00	(599.98)
M	325+24.63	-5.00	600.14
N	325+20.80	0.00	600.26
O	325+15.73	5.00	600.20

POINT	STA	OFFSET	ELEV
AA	326+29.97	-4.99	(600.29)
AB	326+33.19	0.00	(600.46)
AC	326+37.28	5.01	(600.74)
AD	326+31.79	-4.99	600.29
AE	326+35.13	0.00	600.46
AF	326+39.32	5.01	600.74
AG	326+42.08	-5.00	600.50
AH	326+42.08	0.00	600.60
AI	326+42.08	5.00	600.69
AJ	326+47.08	-5.00	600.35
AK	326+47.08	0.00	600.45
AL	326+47.08	5.00	600.51
AM	326+52.08	-5.00	600.15
AN	326+52.08	0.00	600.24
AO	326+52.08	5.00	(600.33)

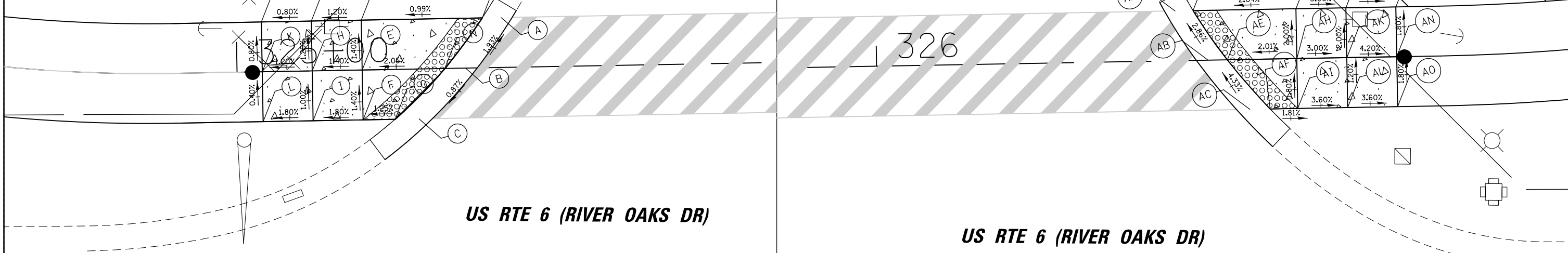


IL RTE 83 (TORRENCE AVE)

IL RTE 83 (TORRENCE AVE)

US RTE 6 (RIVER OAKS DR)

US RTE 6 (RIVER OAKS DR)



LEGEND:

- PROPOSED SIDE CURB
- PROPOSED SLOPE
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
- DETECTABLE WARNINGS

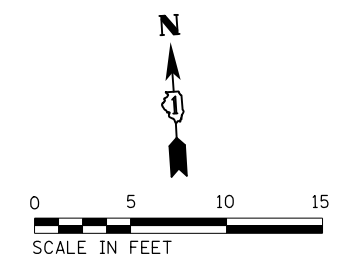
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	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SAND RIDGE TRAIL  
ADA PLAN SHEET

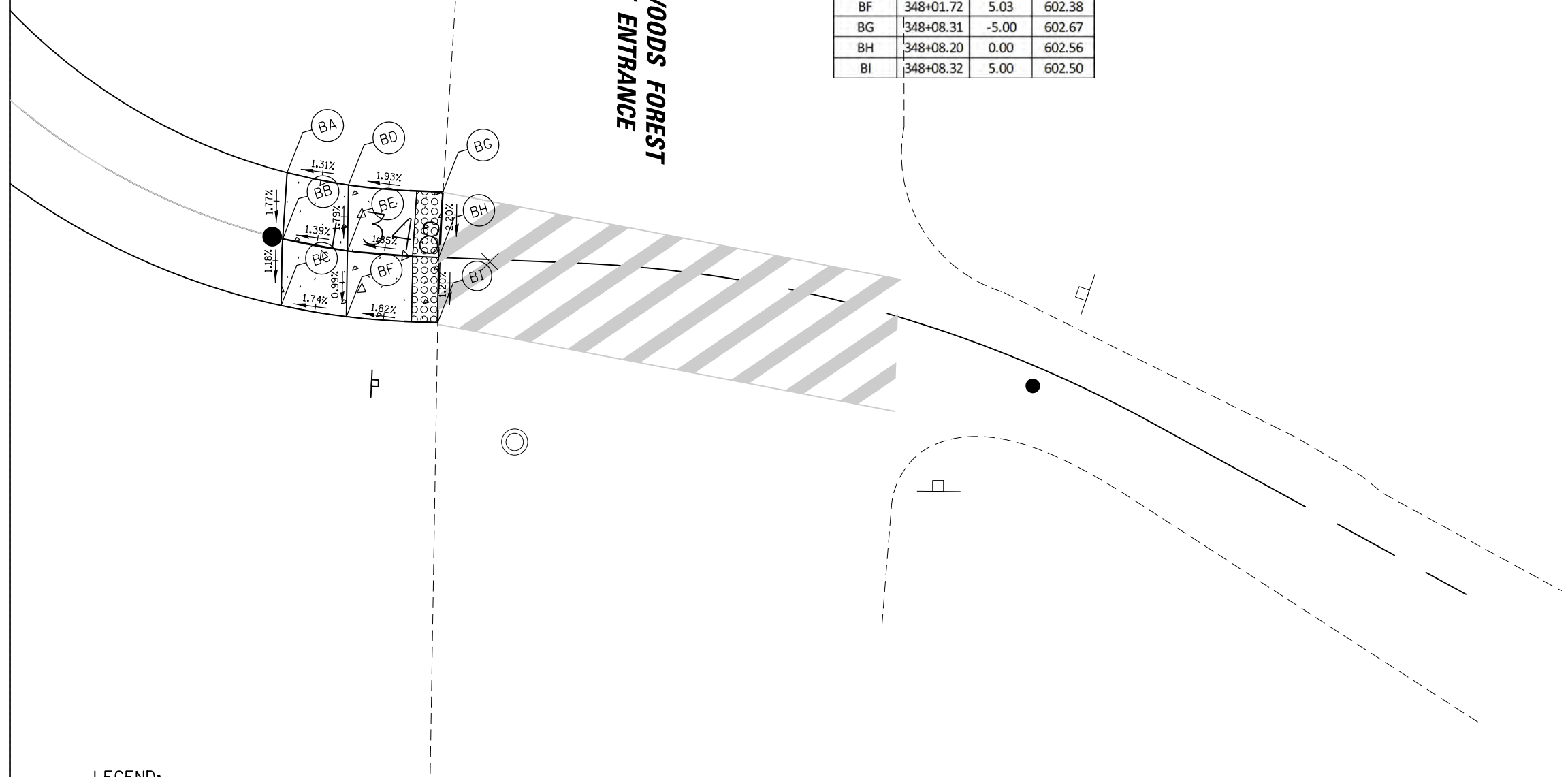
SCALE: SHEET 58 OF 76 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	58
CONTRACT NO. 61E95				
ILLINOIS FED. AID PROJECT				



POINT	STA	OFFSET	ELEV
BA	347+95.20	-5.00	(602.45)
BB	347+96.15	0.00	(602.36)
BC	347+97.11	5.00	602.30
BD	348+00.53	-5.00	602.52
BE	348+01.18	-0.01	602.43
BF	348+01.72	5.03	602.38
BG	348+08.31	-5.00	602.67
BH	348+08.20	0.00	602.56
BI	348+08.32	5.00	602.50

CLAYHOLE WOODS FOREST  
PRESERVE ENTRANCE



**LEGEND:**

- PROPOSED SIDE CURB
- PROPOSED SLOPE
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH  
AGGREGATE BASE COURSE, TYPE B 4"
- DETECTABLE WARNINGS

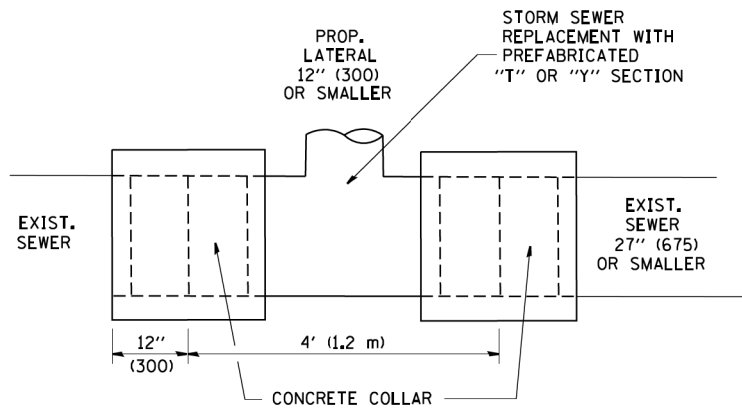
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	PLOT DATE = 5/21/2018	DATE - 06/22/07	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAND RIDGE TRAIL  
ADA PLAN SHEET**

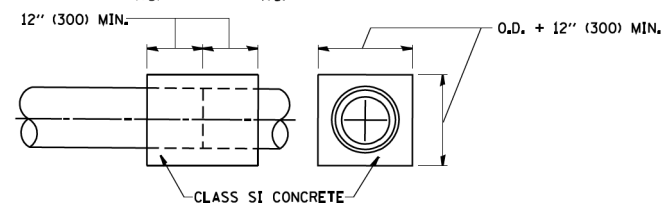
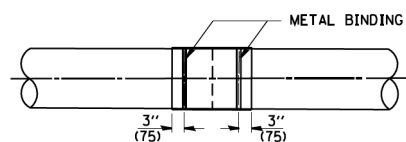
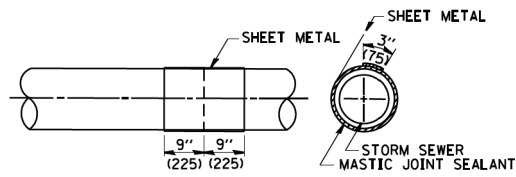
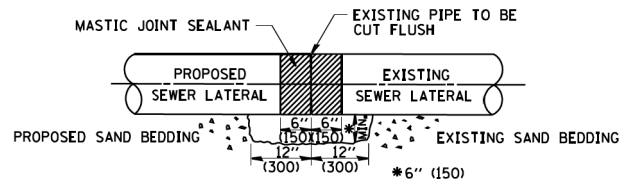
SCALE: SHEET 59 OF 76 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	59
<b>CONTRACT NO. 61E95</b>				
ILLINOIS FED. AID PROJECT				



**DETAIL "A"**

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

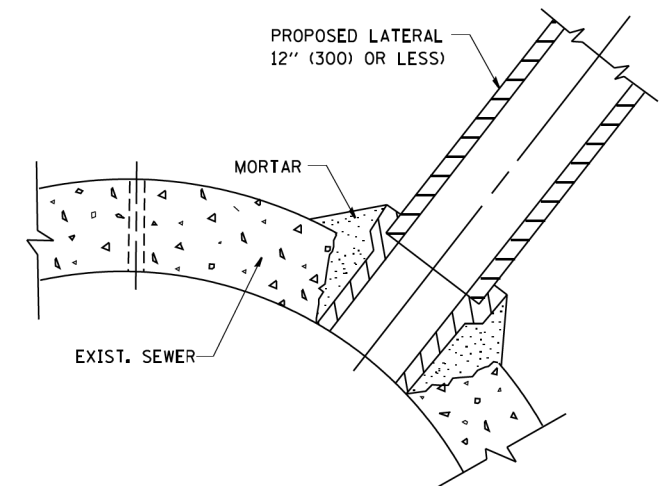


**DETAIL "B"**

CLASS SI CONCRETE COLLAR

**CONSTRUCTION SEQUENCE**

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



**DETAIL "C"**

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

**NOTES**

**MATERIAL**

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

**CONSTRUCTION METHODS**

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
  - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
  - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

**GENERAL**

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

**BASIS OF PAYMENT**

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

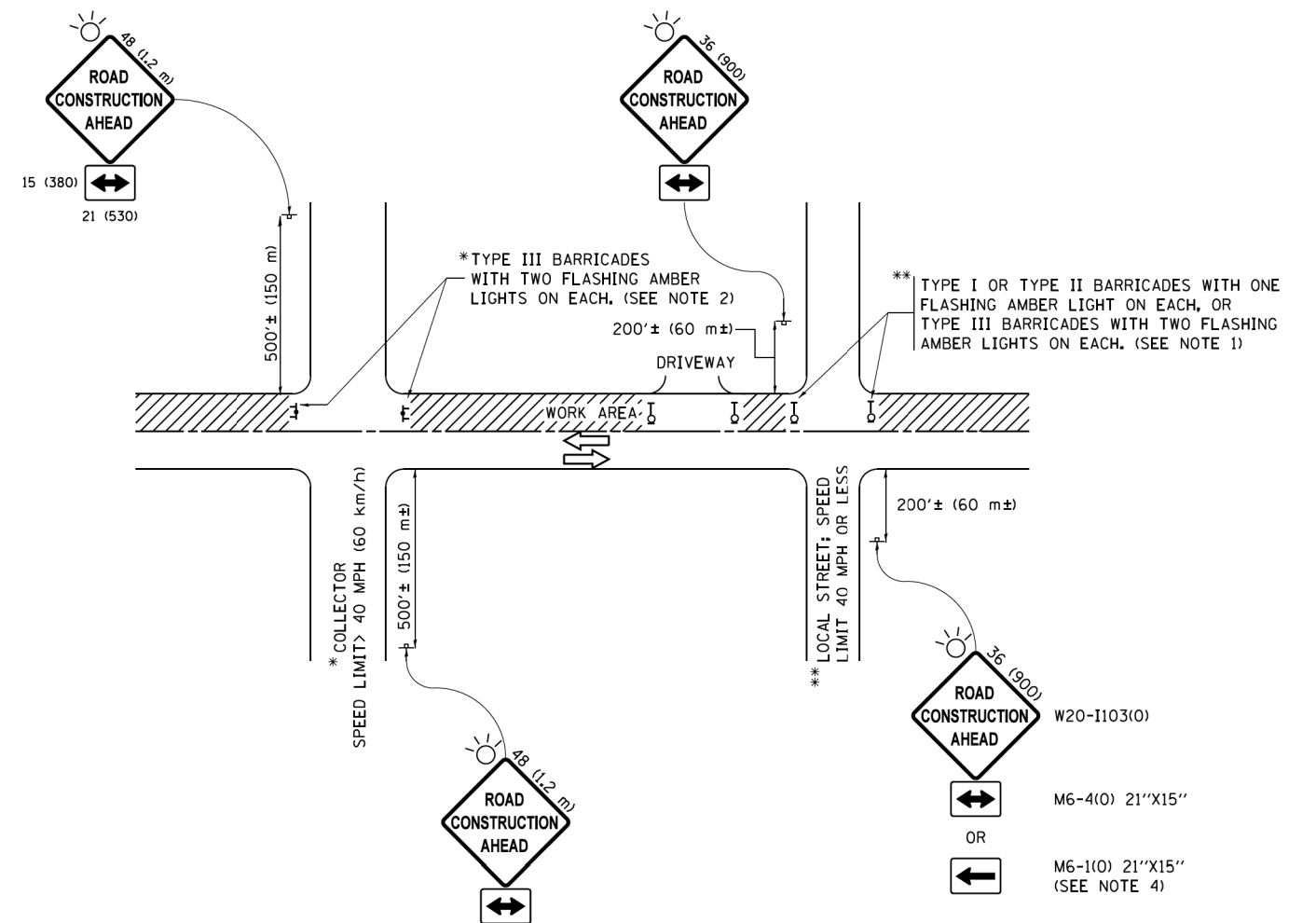
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	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER  
CONNECTION TO EXISTING SEWER**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	60
<b>BD500-01 (BD-7)</b>		<b>CONTRACT NO.</b>	<b>61E95</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

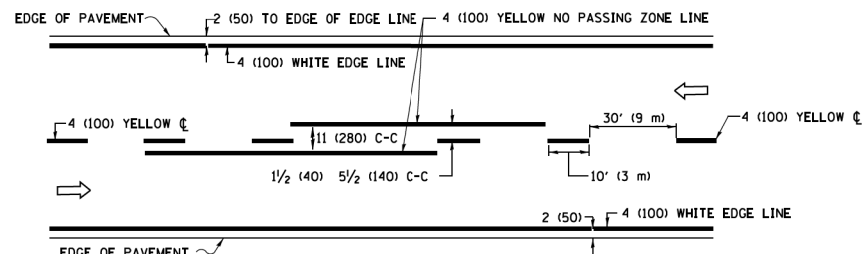
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Default	PLOT SCALE = 50,000' / 1" =	CHECKED -	REVISED - A. SCHUETZE 07-01-13
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

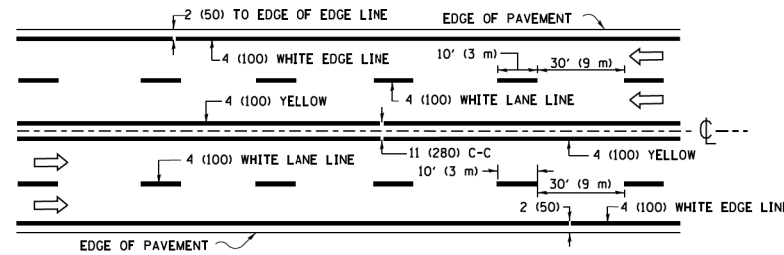
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

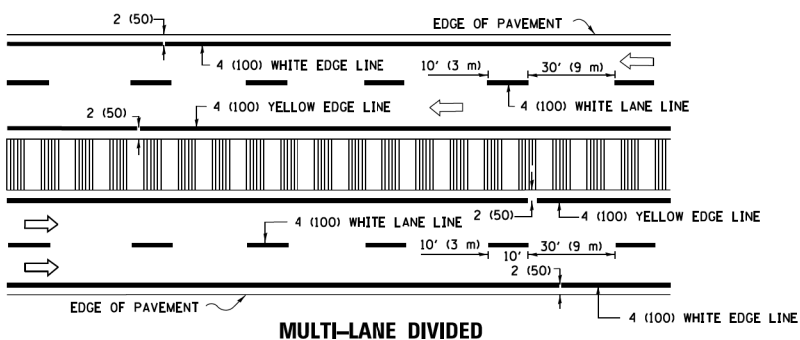
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	61
<b>TC-10</b>			<b>CONTRACT NO. 61E95</b>	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

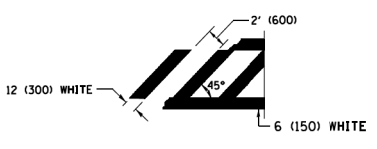
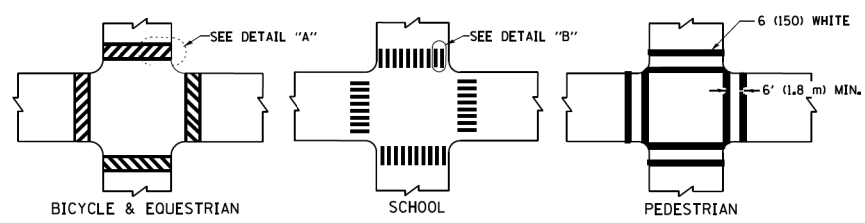


**MULTI-LANE UNDIVIDED**

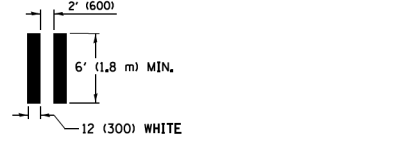


**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**



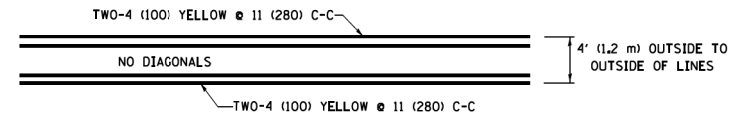
**DETAIL "A"**



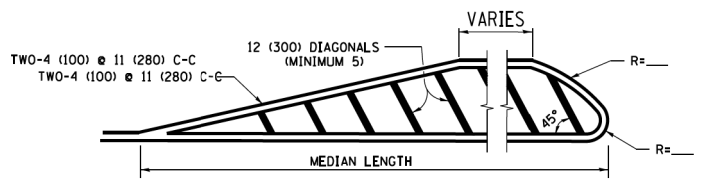
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

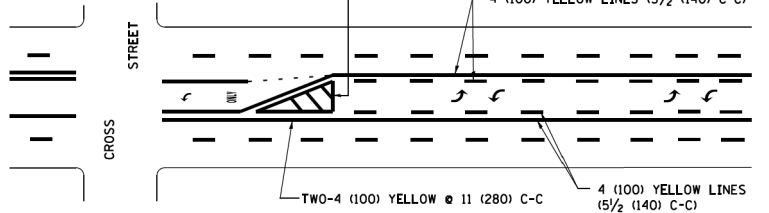


**4' (1.2 m) WIDE MEDIANS ONLY**



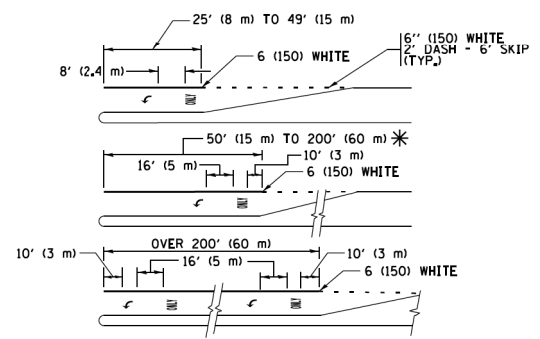
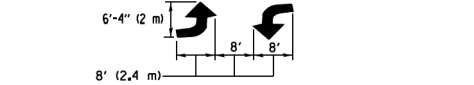
**MEDIANS OVER 4' (1.2 m) WIDE**

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



**MEDIAN WITH TWO-WAY LEFT TURN LANE  
TYPICAL PAINTED MEDIAN MARKING**

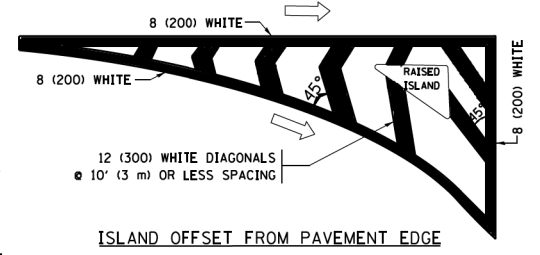
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



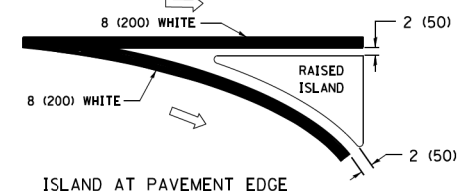
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

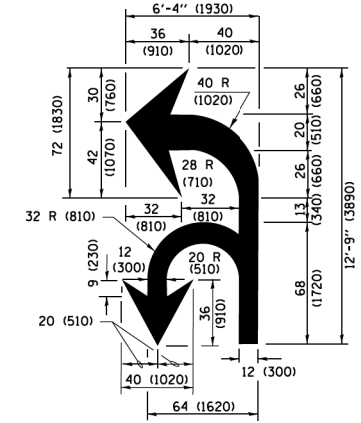


**ISLAND OFFSET FROM PAVEMENT EDGE**

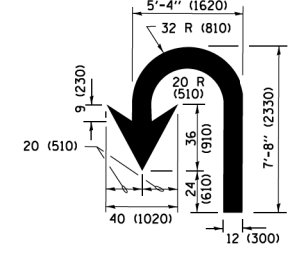


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

**LANE REDUCTION TRANSITION**  
\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

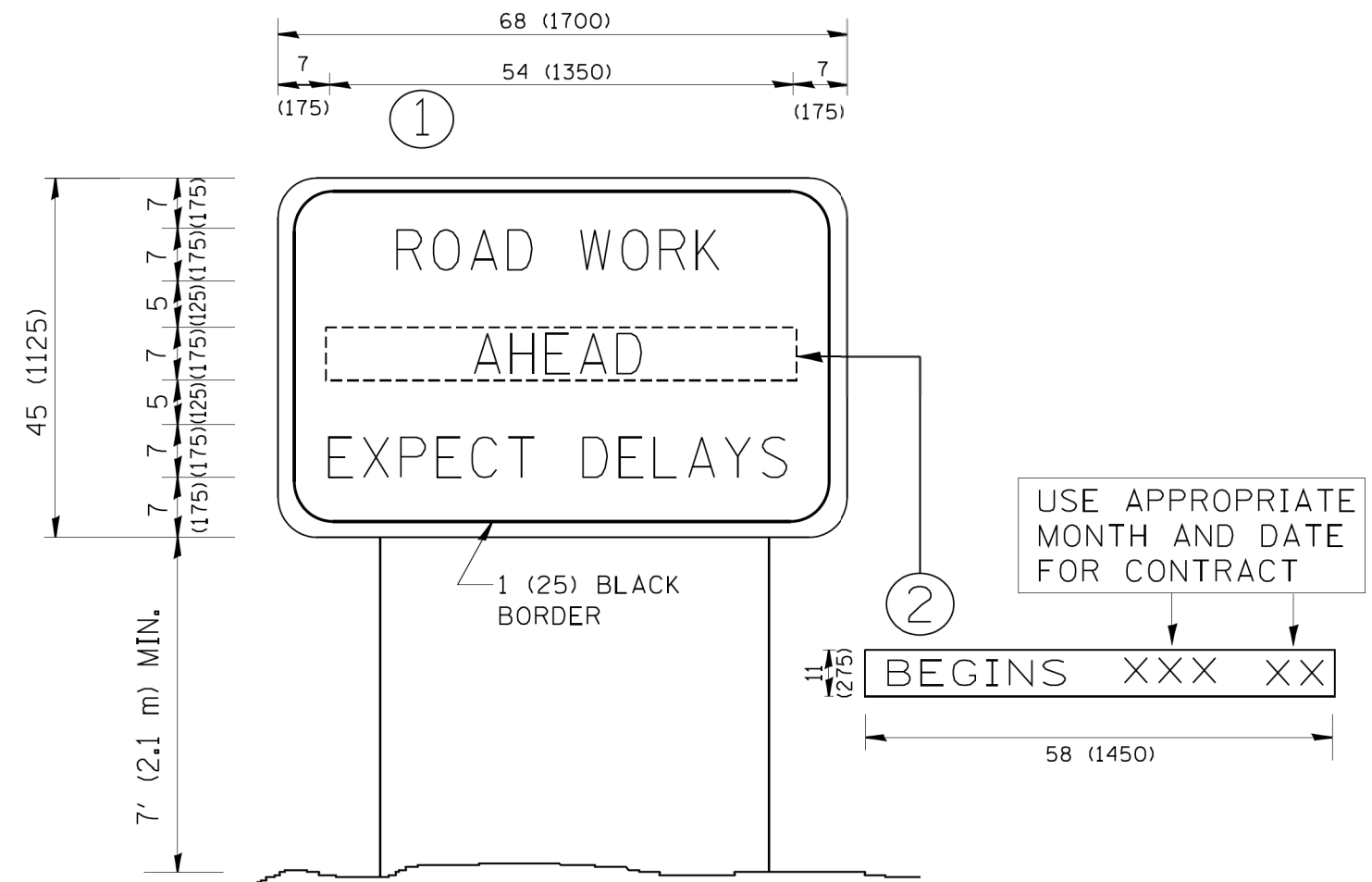
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = W:\dststd\22x34\td13.dgn	USER NAME = lryss	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
		DRAWN -	REVISED - C. JUCIUS 07-01-13
		CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>TYPICAL PAVEMENT MARKINGS</b>		351	13-F3000-24-BT	COOK	76	62
SCALE: NONE		<b>TC-13</b>		CONTRACT NO. 61E95		
SHEET 1	OF 1 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT	



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gegljanobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

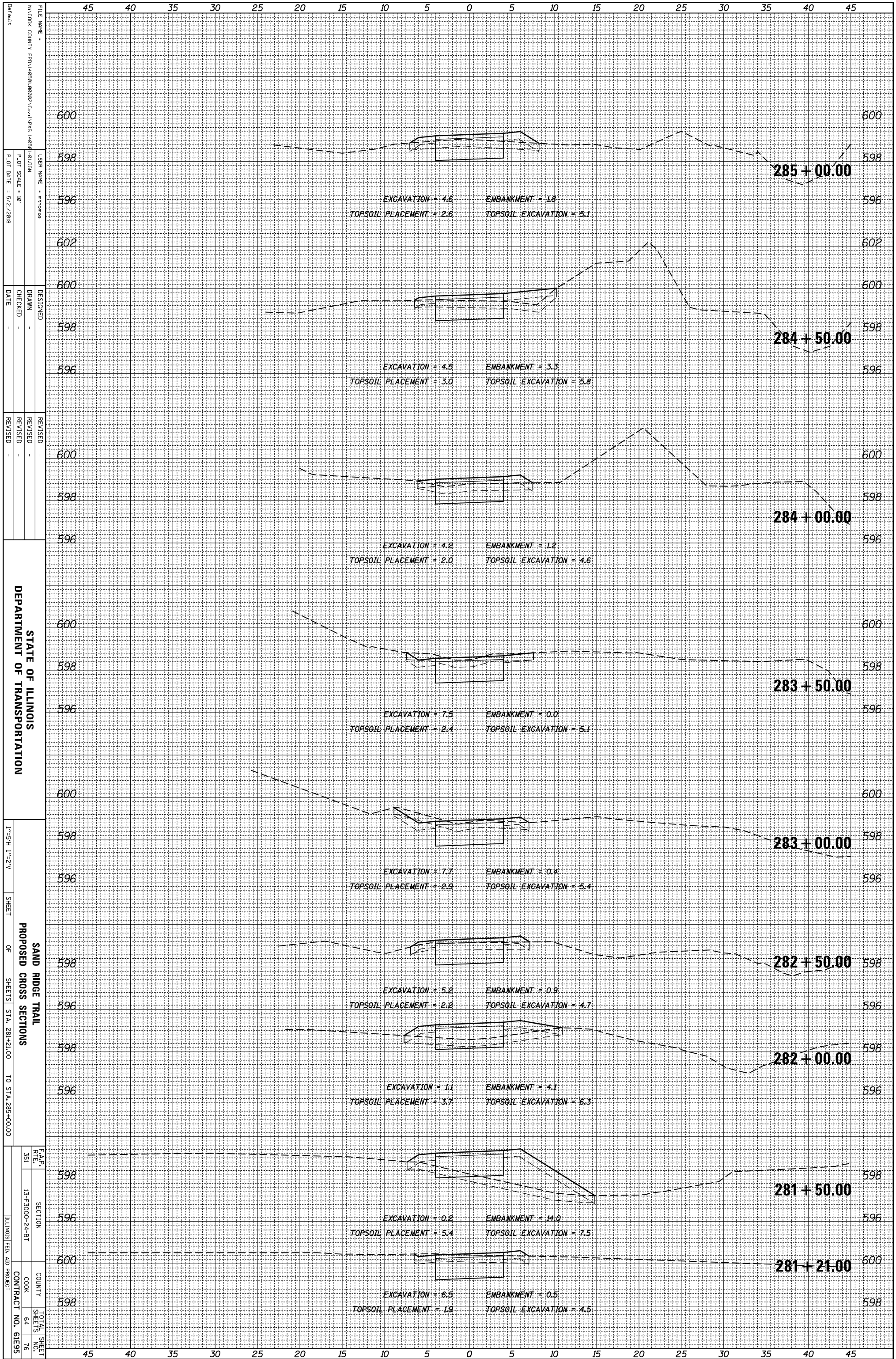
**ARTERIAL ROAD  
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	13-F3000-24-BT	COOK	76	63
TC-22		CONTRACT NO.	61E95	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SAND RIDGE TRAIL  
PROPOSED CROSS SECTIONS

1"=5'-H, 1"=2'-V  
SHEET OF SHEETS STA. 281+21.00 TO STA. 285+00.00

FILE NAME =  
N:\COOK COUNTY\FD\146581\_000023\Civil\PKS\146581\_01.DGN  
USER NAME = mthomas  
DESIGNED -  
DRAWN -  
CHECKED -  
DATE -  
REVISOR -  
REVISION -  
REVISOR -  
REVISION -

CONTRACT NO. 61E95

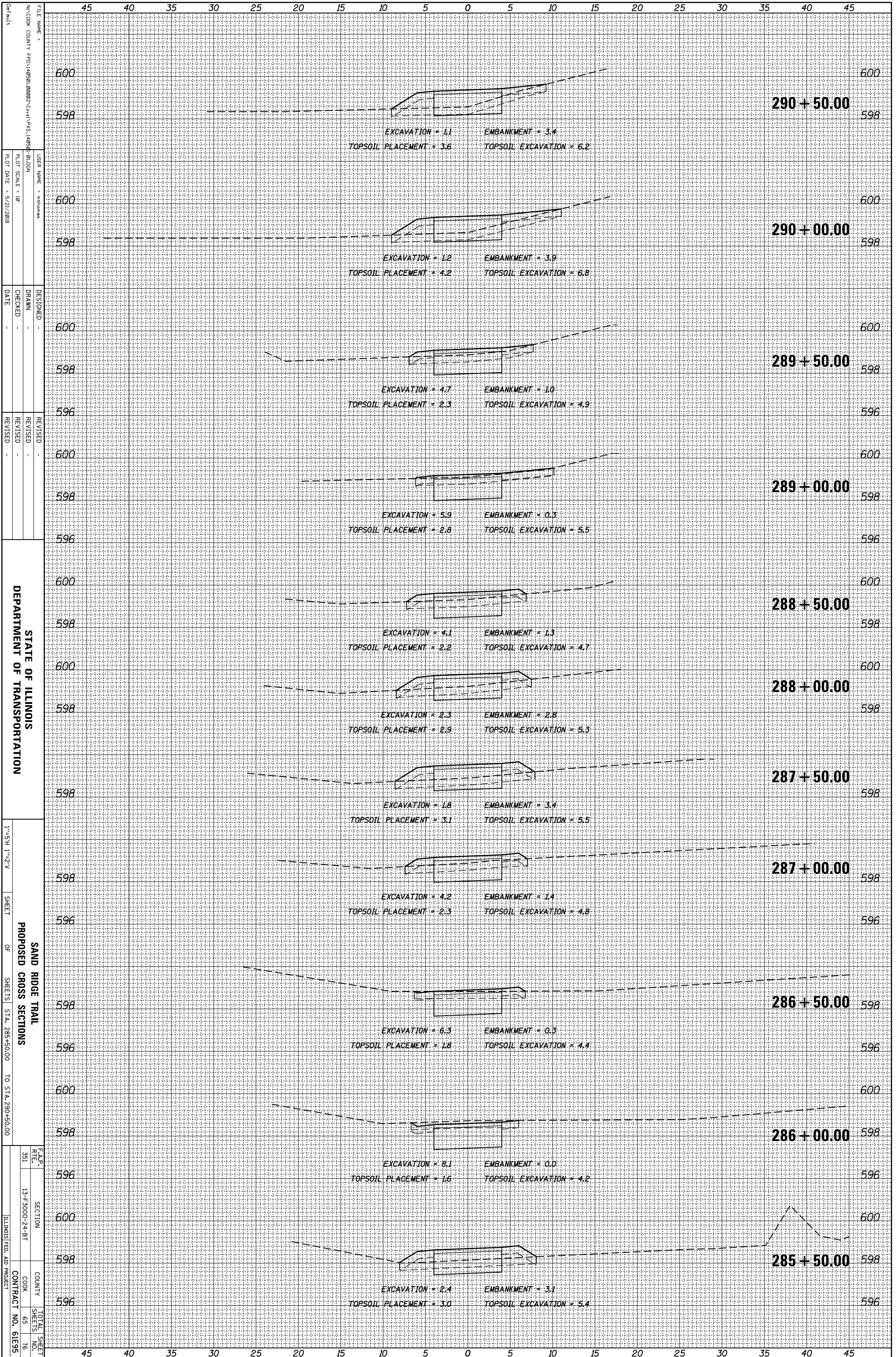
SECTION NO. 13-F3000-24-BT

COUNTY COOK  
CONTRACT NO. 61E95



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NO.			

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NO.			



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SAND RIDGE TRAIL  
PROPOSED CROSS SECTIONS

1"=5'-H, 1"=2'-V  
SHEET OF SHEETS STA. 285+50.00 TO STA. 290+50.00

FILE NAME =  
N:\COOK COUNTY\FD\146581.00022\Civil\PKS\146581.01.DGN  
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CHECKED -  
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REVISOR -  
REVISIONS -

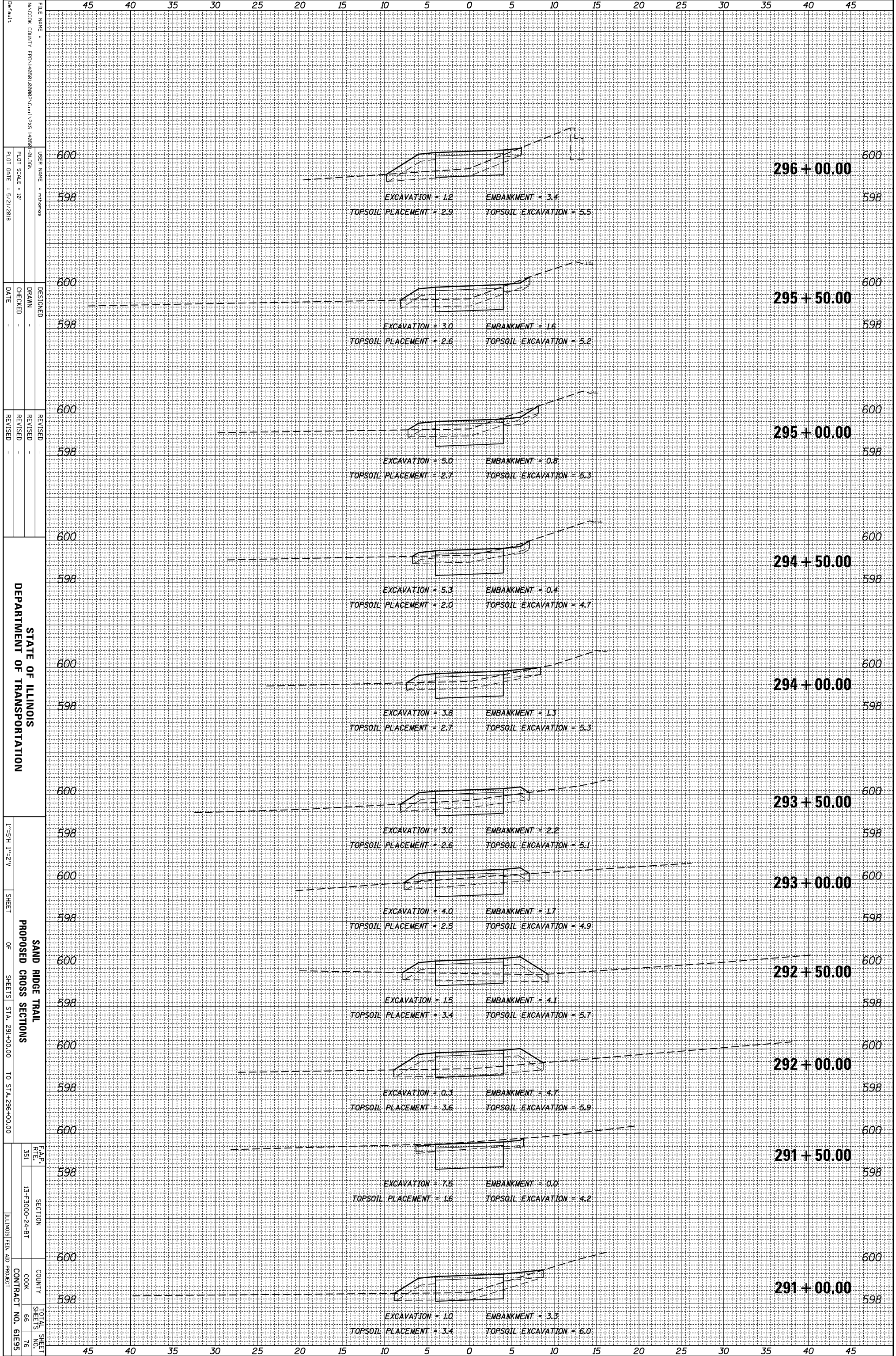
REVISOR -  
REVISIONS -

F.A.P. SECTION  
R.T.E. NO. 13-F-3000-24-BT  
COUNTY COOK  
CONTRACT NO. 61E95

TOTAL SHEET NO. 76

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



FILE NAME =  
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 PLOT SCALE = 1/8"  
 PLOT DATE = 5/21/2018

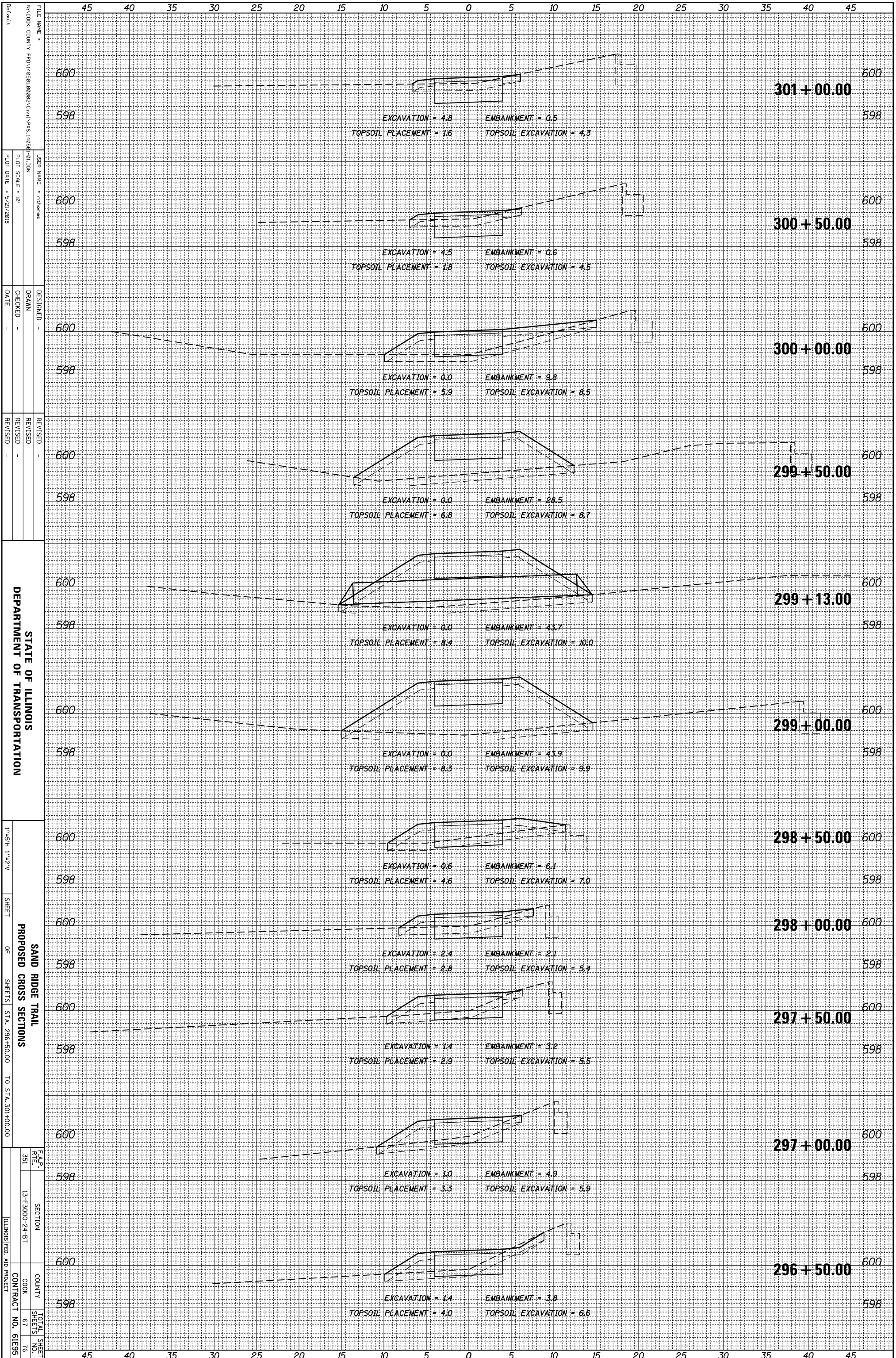
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

1"=5'-H, 1"=2'-V  
 SHEET OF SHEETS  
 SAND RIDGE TRAIL  
 PROPOSED CROSS SECTIONS  
 STA. 291+00.00 TO STA. 296+00.00

F.A.P. R.T.E. NO. 351  
 SECTION 13-F-3000-24-BT  
 COUNTY COOK  
 CONTRACT NO. 61E95  
 TOTAL SHEET NO. 76  
 ILLINOIS FED. AID PROJECT

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NO.			

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NO.			



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SAND RIDGE TRAIL  
PROPOSED CROSS SECTIONS

1"=5'H, 1"=2'V  
SHEET 1 OF SHEETS STA. 296+50.00 TO STA. 301+00.00

FILE NAME =  
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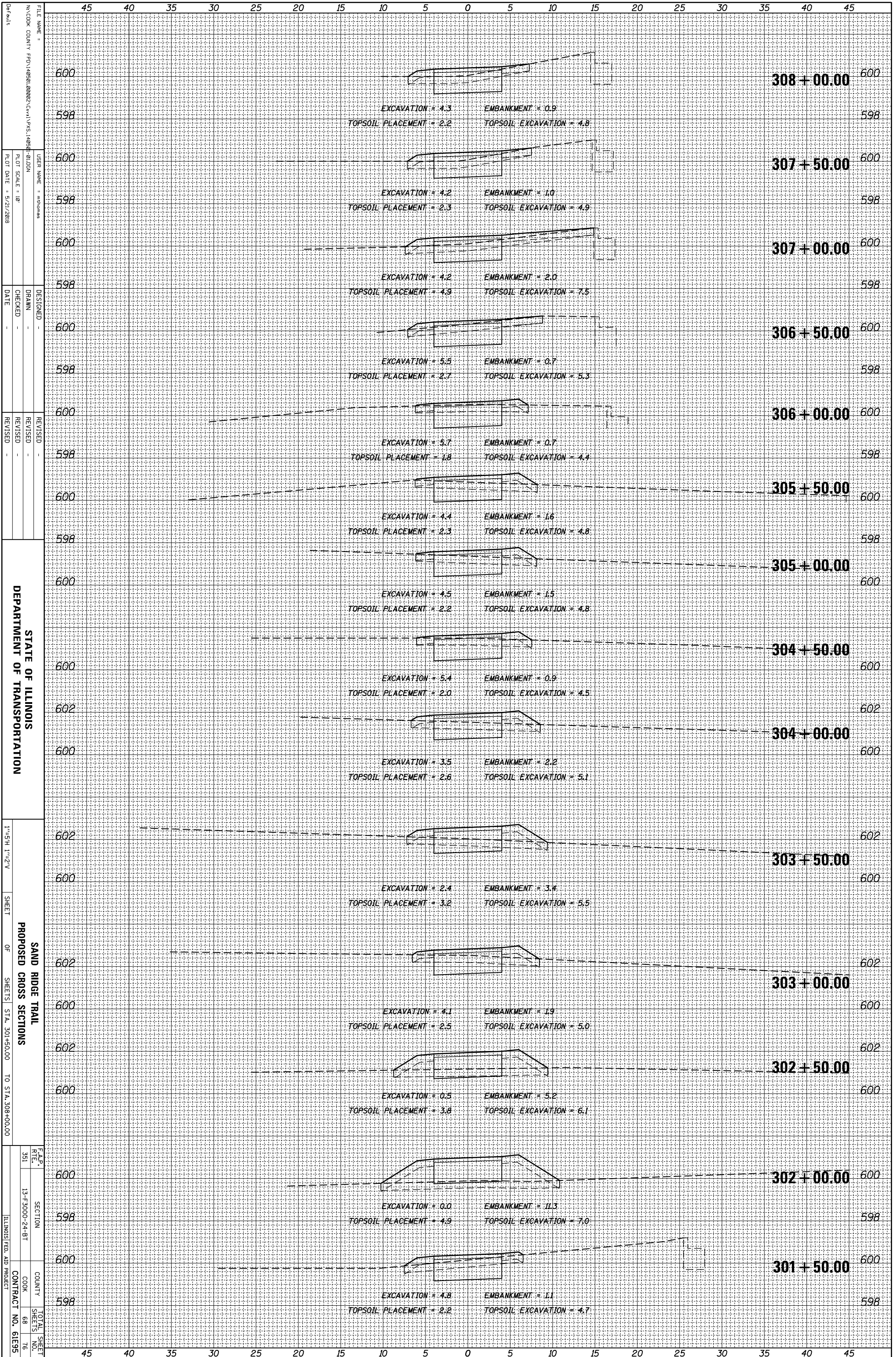
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DATE -

REVISOR  
REVISION  
REVISOR  
REVISION

F.A.P. SECTION  
RTE. 13-F-3000-24-BT  
COUNTY COOK  
CONTRACT NO. 61E95  
TOTAL SHEET NO. 76

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		
NO.			

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		
NO.			



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SAND RIDGE TRAIL  
PROPOSED CROSS SECTIONS  
SHEET OF SHEETS STA. 301+50.00 TO STA. 308+00.00

F.A.P. SECTION TOTAL SHEET NO. 13-F-3000-24-BT COUNTY COOK CONTRACT NO. 61E95

FILE NAME: N:\COOK COUNTY\FD\146581.000023\Civil\PKS\146581-01.DGN USER NAME: mthomas  
DESIGNED: DRAWN: CHECKED: DATE: 5/21/2018  
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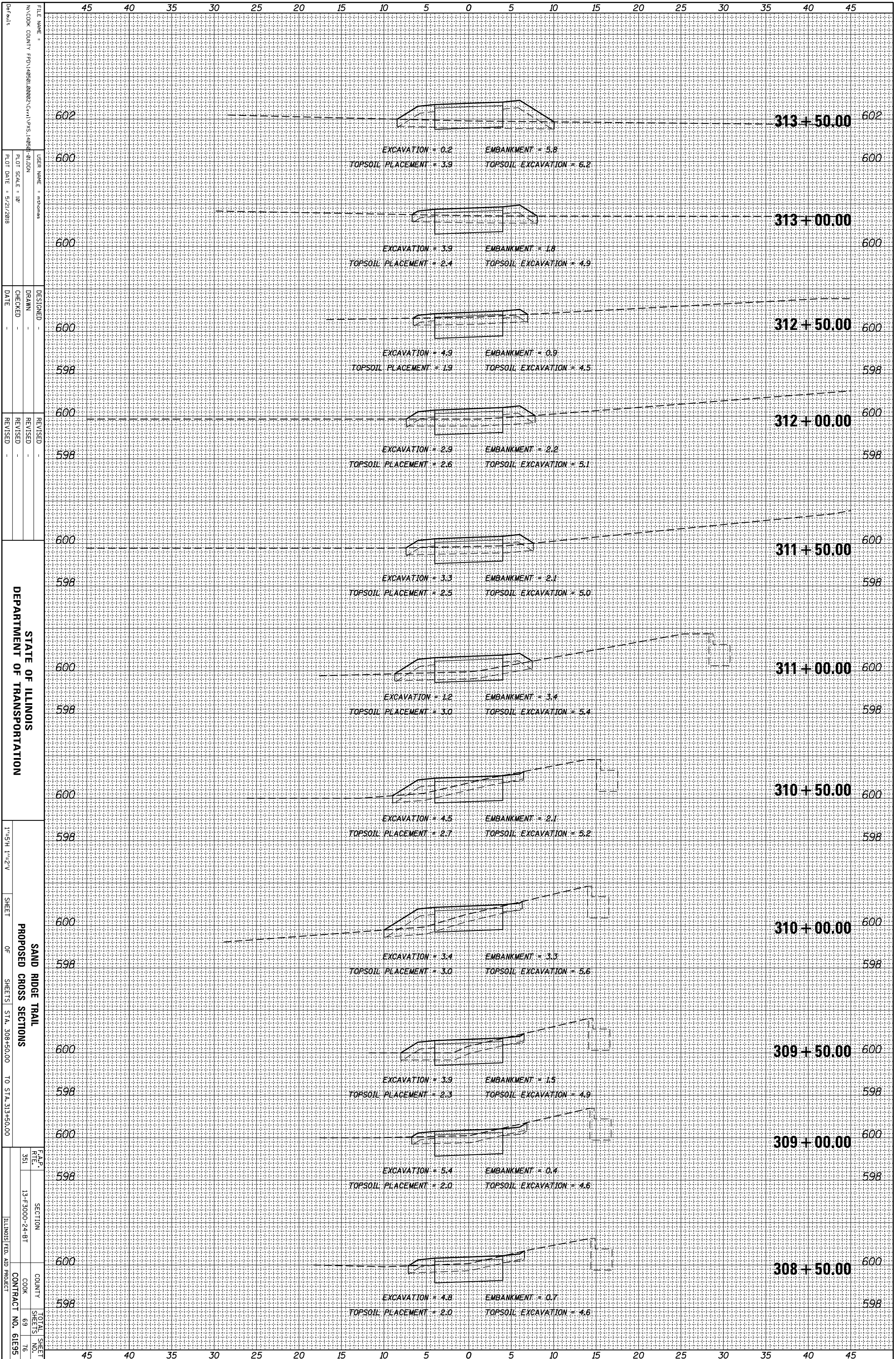
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REVISIONS: REVISIONS: REVISIONS: REVISIONS:

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SAND RIDGE TRAIL  
PROPOSED CROSS SECTIONS

SHEET OF SHEETS STA. 308+50.00 TO STA. 313+50.00

FILE NAME: N:\COOK COUNTY\FD\146581.00022\Civil\PKS\_146581\_01.DGN  
USER NAME: mthomas  
DESIGNED: DRAWN: CHECKED: DATE: REVISED: REVISED: REVISED: REVISED:

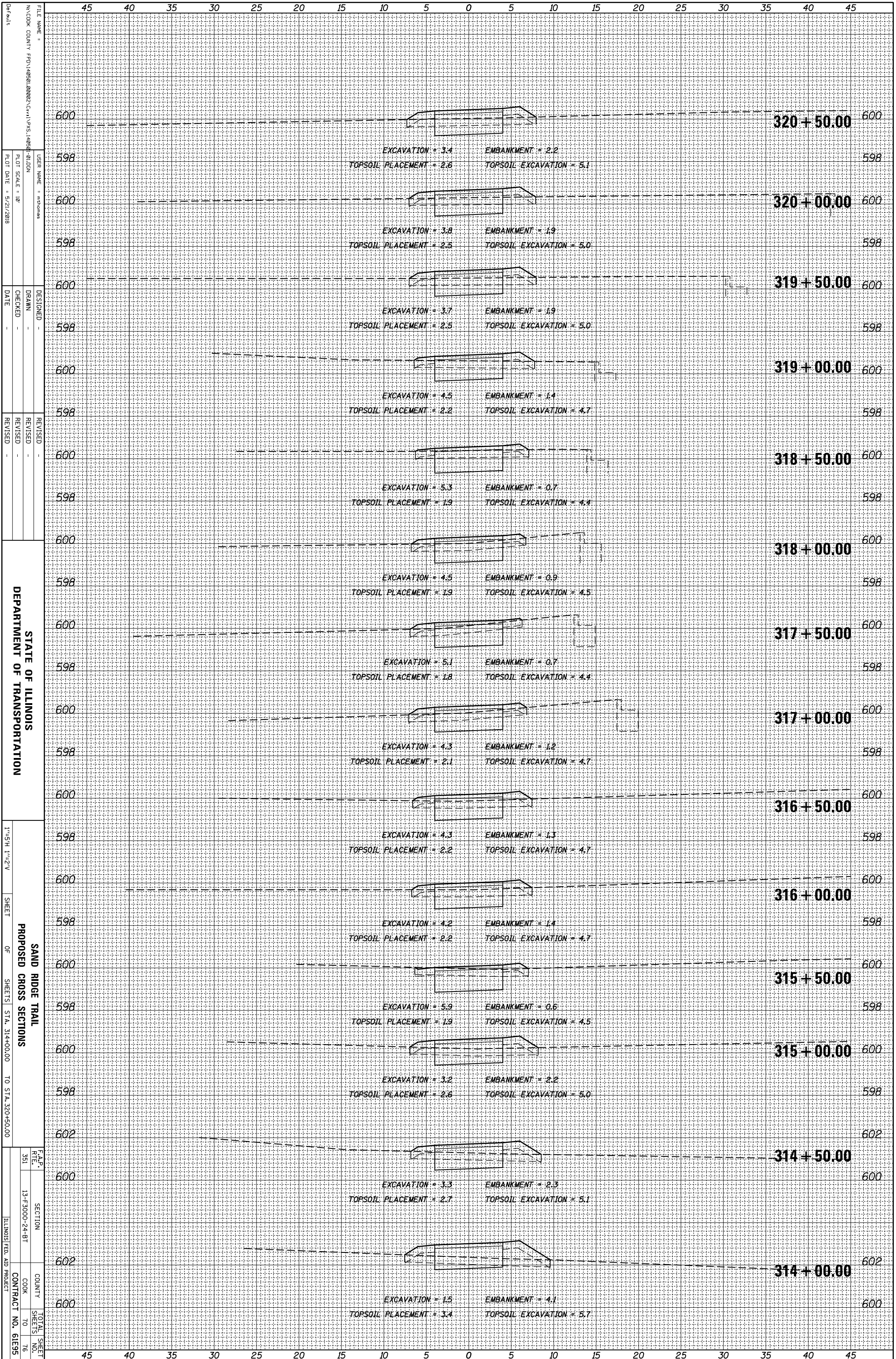
1"=5'H, 1"=2'V

SECTION 13-F-3000-24-BT

COUNTY COOK  
CONTRACT NO. 61E95

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME: N:\COOK COUNTY\FD\146581\000023\CIVIL\PKS\146581-01.DGN  
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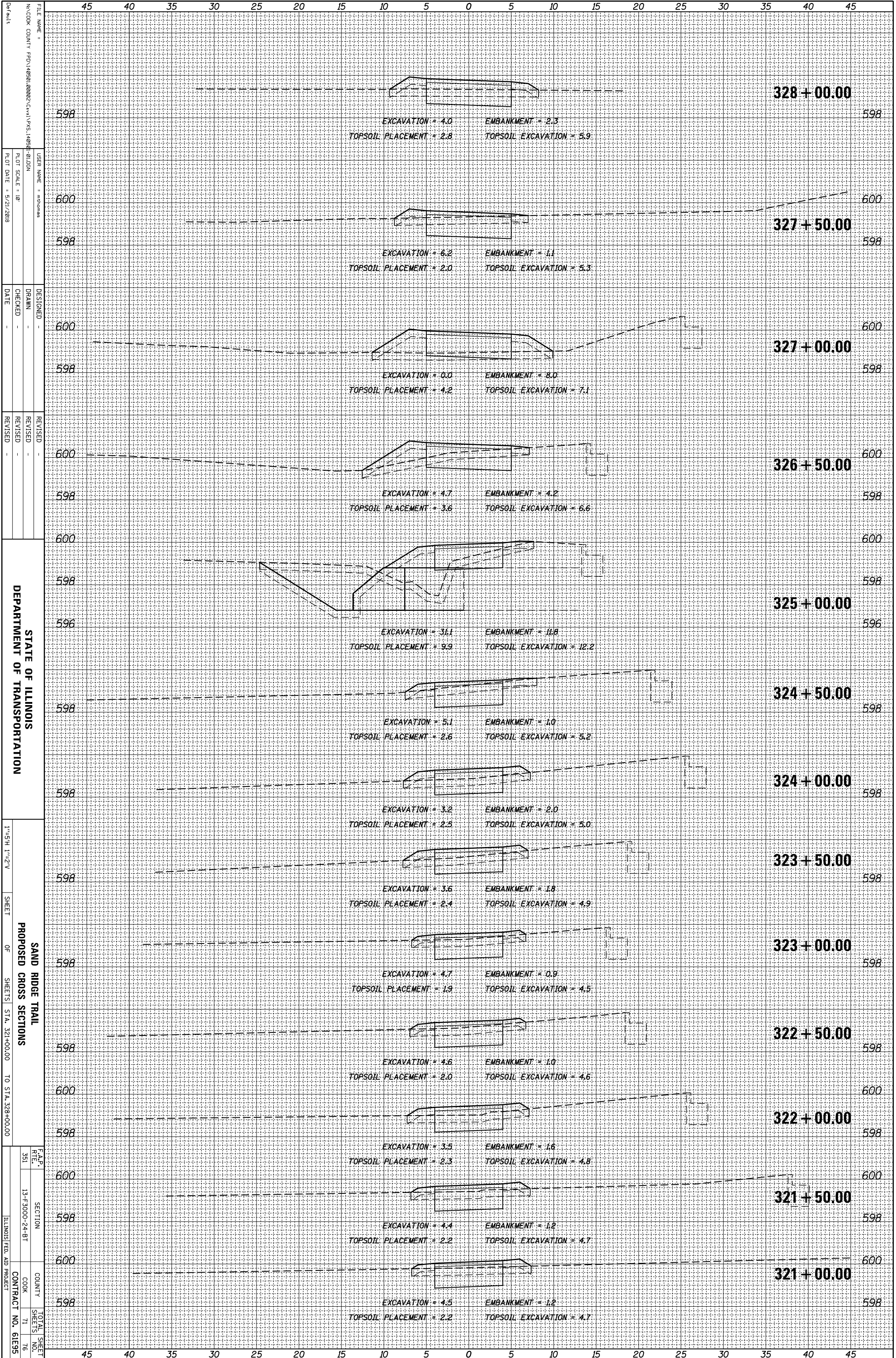
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

1"=5'H, 1"=2'V  
 SHEET OF SHEETS STA. 314+00.00 TO STA. 320+50.00  
 SAND RIDGE TRAIL  
 PROPOSED CROSS SECTIONS

F.A.P. SECTION NO. 13-F-3000-24-BT  
 COUNTY COOK  
 CONTRACT NO. 61E95  
 TOTAL SHEET NO. 76

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	CHECKED _____		
No. _____			

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	CHECKED _____		
No. _____			



FILE NAME =  
 USER NAME = mtkomas  
 DESIGNER =  
 DRAWN =  
 CHECKED =  
 DATE =  
 REVISIONS:  
 REVISION NO. | DATE | DESCRIPTION

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

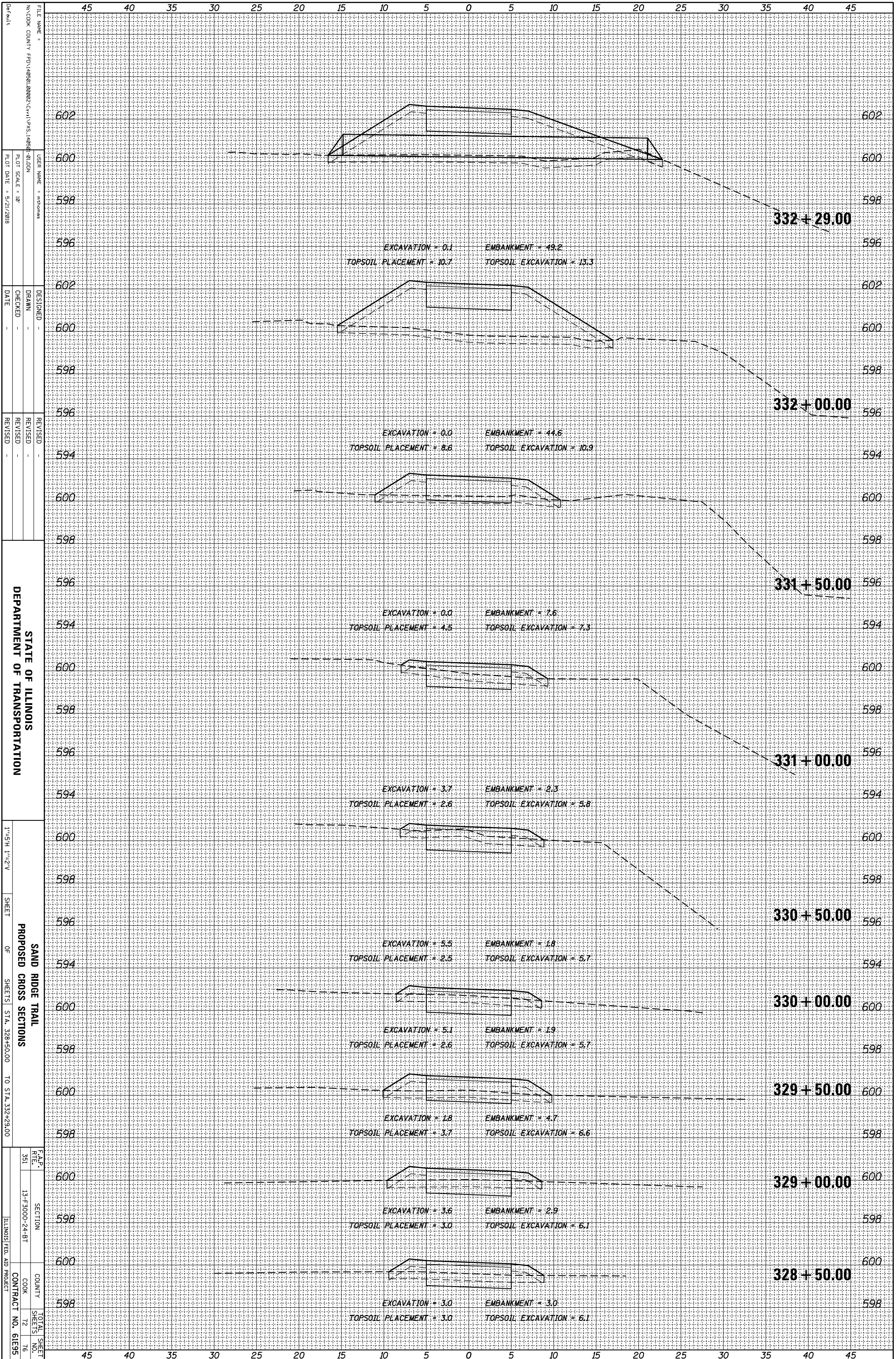
1"=5'H, 1"=2'V  
 SHEET OF SHEETS STA. 321+00.00 TO STA. 328+00.00

SAND RIDGE TRAIL  
 PROPOSED CROSS SECTIONS

F.A.P. SECTION COUNTY TOTAL SHEET NO.  
 351 13-F-3000-24-BT COOK 71 76  
 ILLINOIS FED. AID PROJECT CONTRACT NO. 61E95

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SAND RIDGE TRAIL  
PROPOSED CROSS SECTIONS  
SHEET OF SHEETS STA. 328+50.00 TO STA. 332+29.00

F.A.P. SECTION COUNTY TOTAL SHEET NO. 351 13-F-3000-24-BT COOK 72 76 ILLINOIS FED. AID PROJECT CONTRACT NO. 61E95

FILE NAME: N:\COOK COUNTY\FD\146581.00\0223\Civil\PKS\146581-01.DGN  
USER NAME: mthomas  
PLOT SCALE: 1"=10'  
PLOT DATE: 5/21/2018

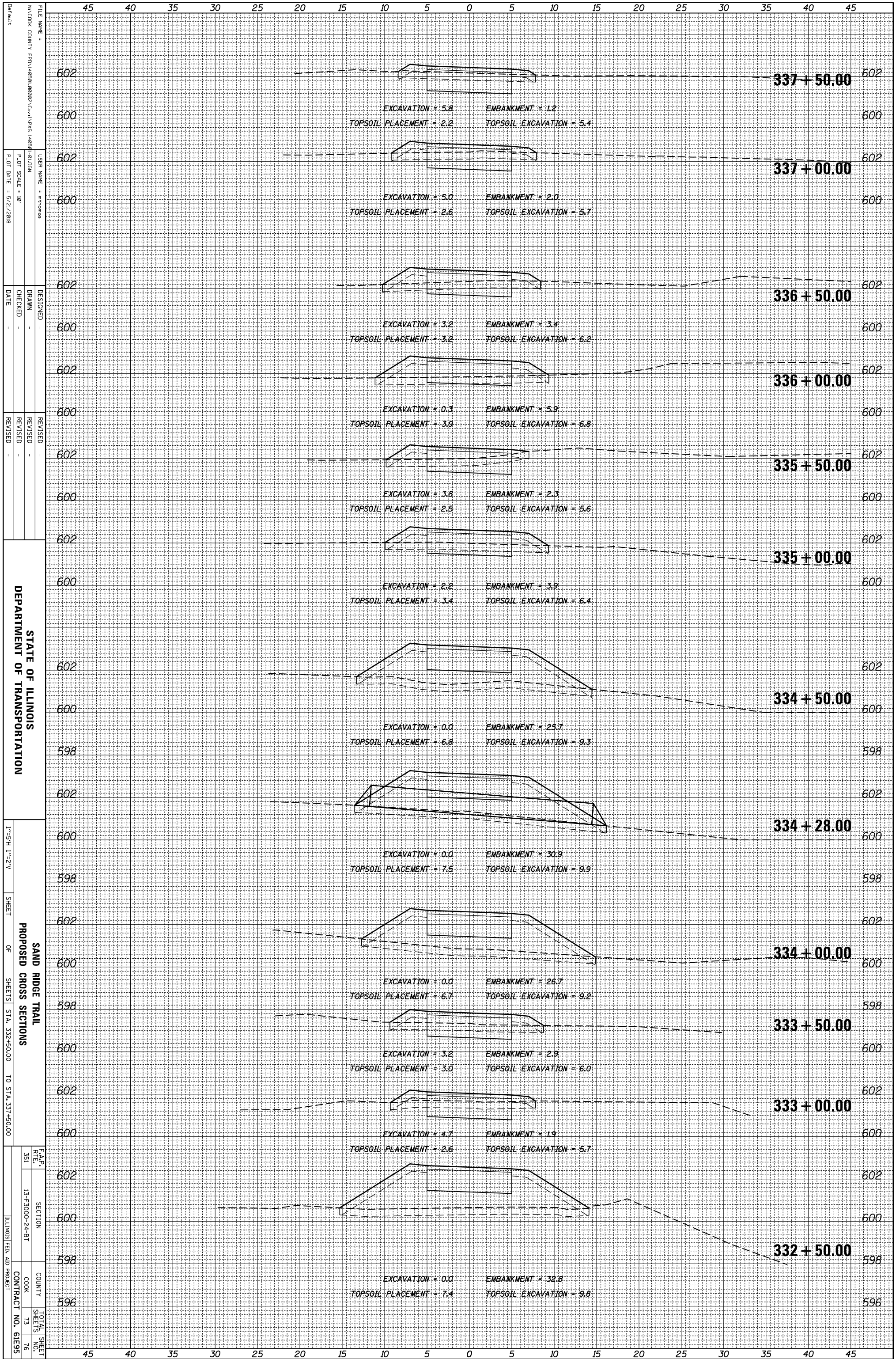
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REVISED: REVISED: REVISED: REVISED:



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NO.			

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NO.			



FILE NAME = N:\COOK COUNTY\FD\146581\000023\Civil\PKS\146581-01.DGN  
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 DRAWN =  
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 REVISED =  
 REVISED =  
 REVISED =

PLANT SCALE = 1/8"  
 PLOT DATE = 5/21/2018

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

1"=5'H, 1"=2'V

SHEET OF SHEETS STA. 332+50.00 TO STA. 337+50.00

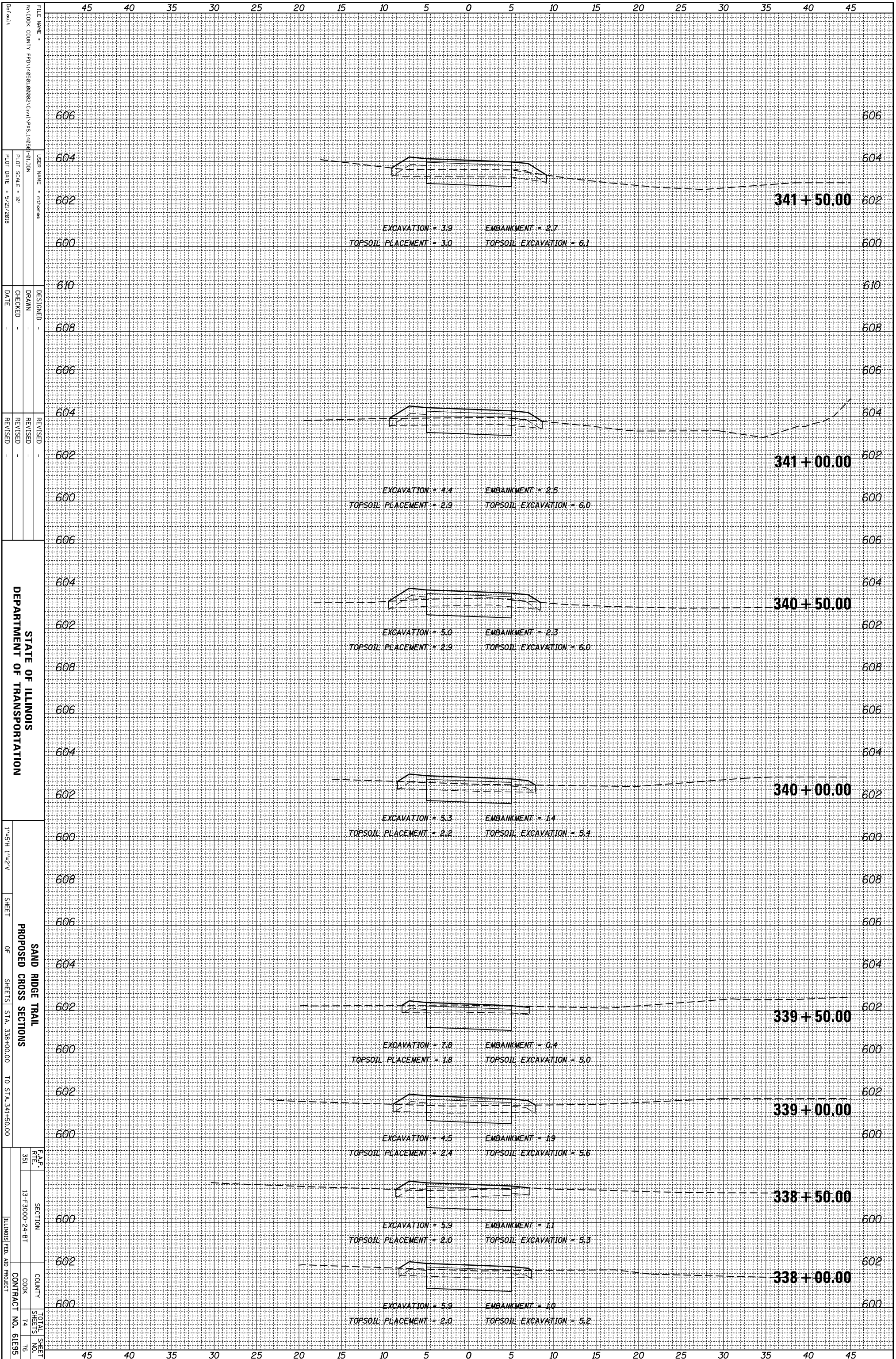
SAND RIDGE TRAIL  
 PROPOSED CROSS SECTIONS

F.A.P. SECTION COUNTY TOTAL SHEET NO.  
 351 13-F-3000-24-BT COOK 73 76

ILLINOIS FED. AID PROJECT CONTRACT NO. 61E95

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SAND RIDGE TRAIL  
PROPOSED CROSS SECTIONS

1"=5'H 1"=2'V  
SHEET OF SHEETS STA. 338+00.00 TO STA. 341+50.00

FILE NAME =  
N:\COOK COUNTY\FD\146581.00002\Civil\PKS\_146581\_01.DGN  
USER NAME = mthomas  
DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

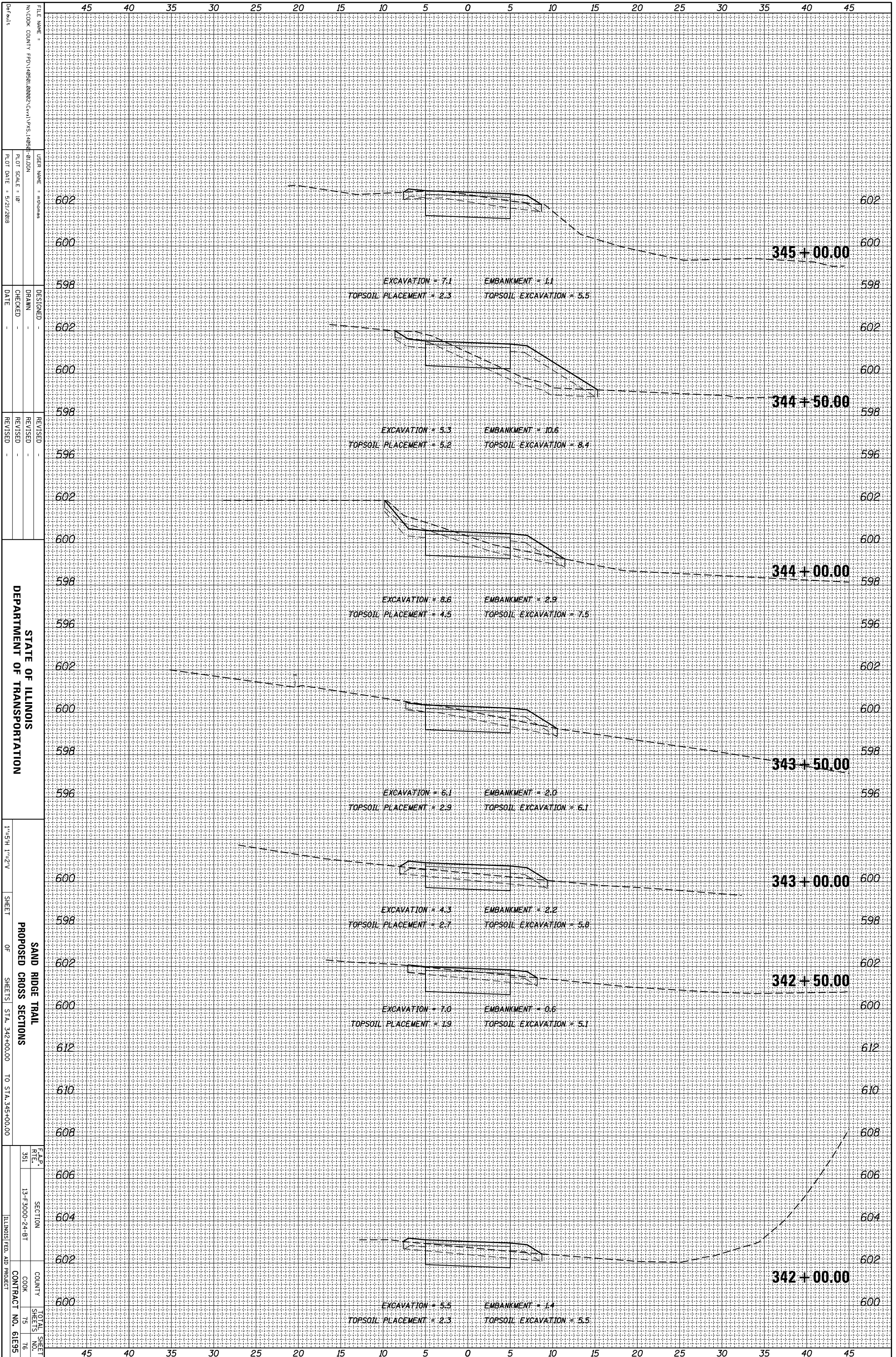
REVISIONS  
REVISED -  
REVISED -  
REVISED -

F.A.P. R.T.E. SECTION COUNTY TOTAL SHEET NO.  
351 13-F3000-24-BT COOK 74 76

ILLINOIS FED. AID PROJECT CONTRACT NO. 61E95

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SAND RIDGE TRAIL  
PROPOSED CROSS SECTIONS

1"=5'H, 1"=2'V  
SHEET OF SHEETS STA. 342+00.00 TO STA. 345+00.00

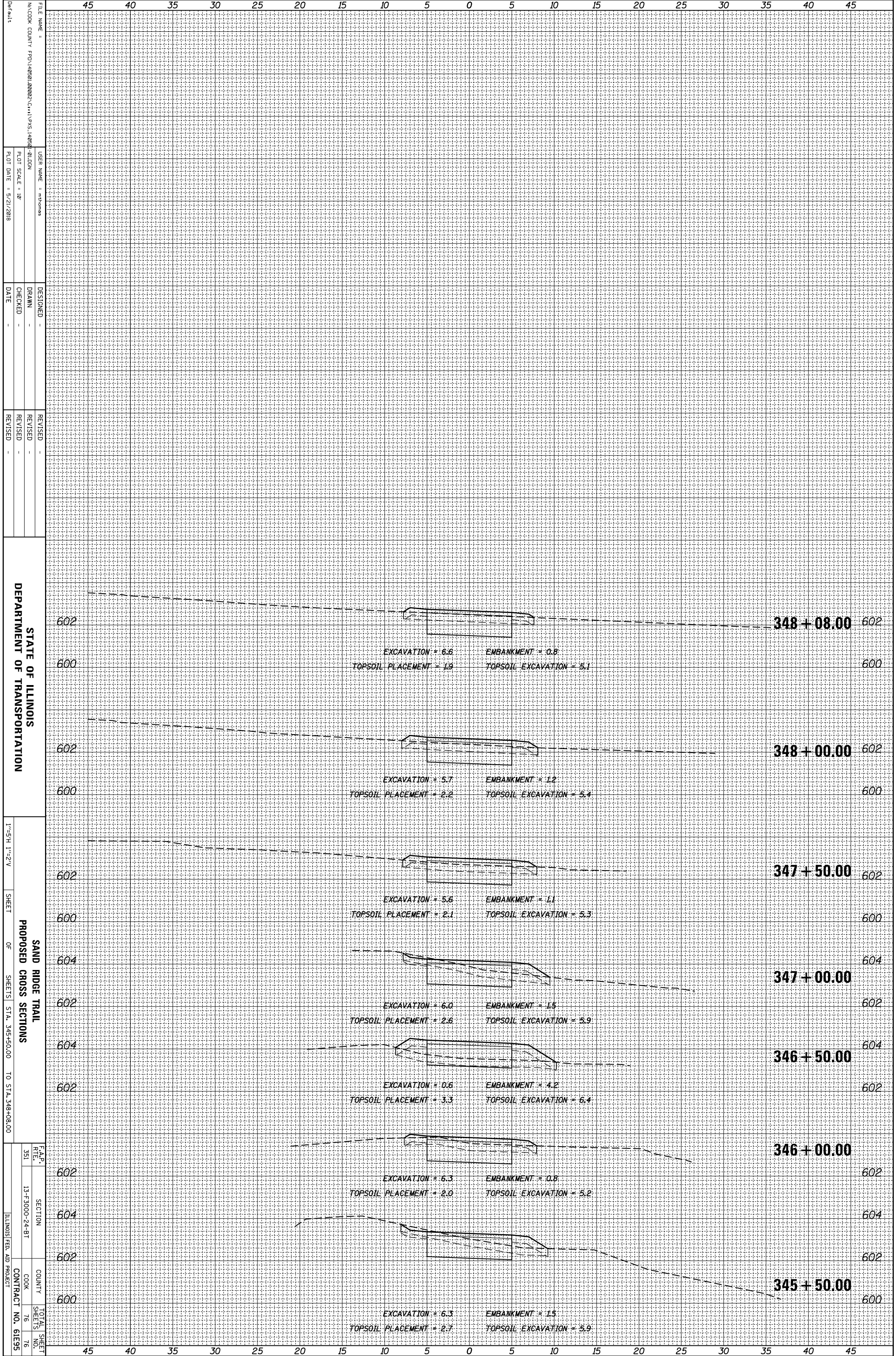
F.A.P. SECTION COUNTY TOTAL SHEET NO. SHEETS NO. CONTRACT NO. 61E95 ILLINOIS FED. AID PROJECT

FILE NAME: N:\COOK COUNTY\FD\146581.0002\Civil\PKS\146581-01.DGN  
USER NAME: mthomas  
DESIGNED: DRAWN: CHECKED: DATE: 5/21/2018

REVISIONS  
REVISED: REVISED: REVISED: REVISED: DATE: DATE: DATE: DATE:

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



FILE NAME =  
 USER NAME = mthomas  
 N:\COOK COUNTY FPD\146591.00002\Civil\PKS\146591-01.DGN  
 PLOT SCALE = 1"=10'  
 PLOT DATE = 5/21/2018

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISID -  
 REVISID -  
 REVISID -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 SAND RIDGE TRAIL  
 PROPOSED CROSS SECTIONS  
 1"=5'H, 1"=2'V  
 SHEET OF SHEETS STA. 345+50.00 TO STA. 348+08.00  
 F.A.P. SECTION COUNTY TOTAL SHEET NO.  
 351 13-F-3000-24-BT COOK 76 76  
 ILLINOIS FED. AID PROJECT CONTRACT NO. 61E95