

68452

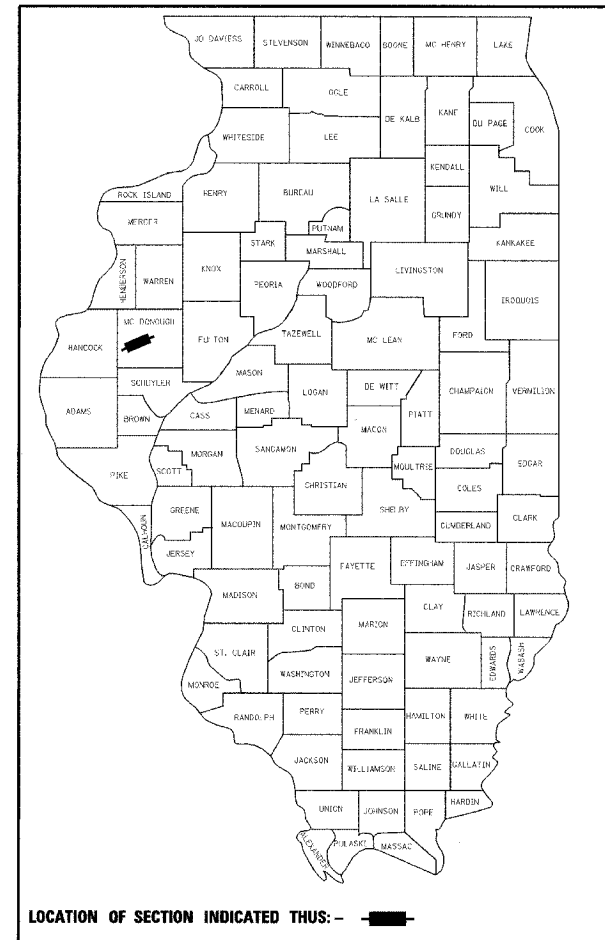
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	MCDONOUGH	55	1

D-94-034-05

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 315 (IL. ROUTE 336)
SECTION (55-2)A
PROJECT NO. ACNHF-0315 (040)
GRADING AND DRAINAGE
MCDONOUGH COUNTY
C94-038-05



LOCATION OF SECTION INDICATED THUS: - ■ -

TOTAL SHEETS = 55

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED SEPT 2 20 05
Spahr E. Crane
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 14, 20 05
Mike Hine
ENGINEER OF DESIGN AND ENVIRONMENT

October 14, 20 05
Eric E. Ham
DEPUTY DIRECTOR, DIVISION OF HIGHWAYS



Kenneth M. Coulter 9/2/05
KENNETH M. COULTER DATE
062-038839
EXP. DATE 11/30/05

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

IDOT PROJECT ENGINEER: TOM LACY PHONE: 671-3453
IDOT LIASON ENGINEER: ELIAS ELDERZI PHONE: 671-3459

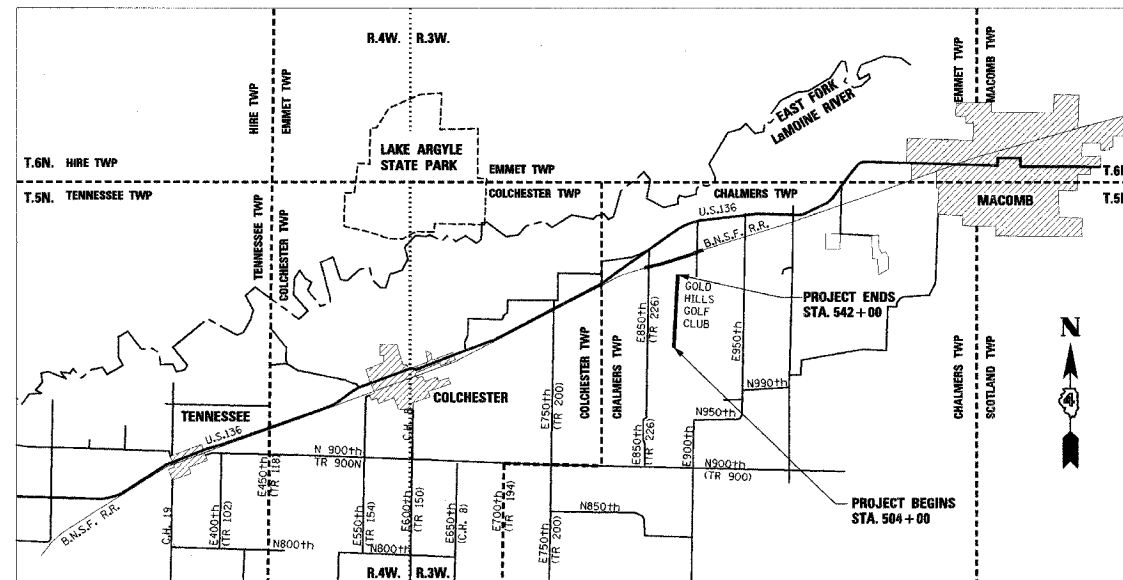
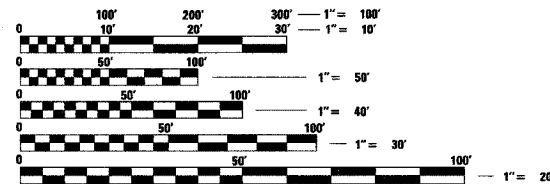
FOR INDEX OF SHEETS, SEE SHEET NO. 2

LIST OF STANDARDS

280001-02	542301	602306	702001-05	000001-04
285001-01	542606	602701		
		604001-02		BLR 18-4
		604106		
		630301-03		

DESIGN DESIGNATION
7000 (ADT) (2028) RURAL 2.26 (FD-20)

SURVEY BOOK NOS.
(BOOK NO'S TO BE FURNISHED BY DEPT.)



LOCATION MAP



GROSS LENGTH OF IMPROVEMENT = 3,800 FEET (0.72 MILES)
NET LENGTH OF IMPROVEMENT = 3,800 FEET (0.72 MILES)

DESIGNED BY:



STS CONSULTANTS

111 NE Jefferson Ave.
Peoria, Illinois 61602
Ph(309)676-8464
FAX(309)676-5445
DESIGN FIRM REGISTRATION
NO. 184-001518

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.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CATALOG NO. 030010-05D
CONTRACT NO. 68452

NPDES PERMIT
REQUIRED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	2
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

68452

SHT. NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
3	GENERAL NOTES, JOB SPECIFIC NOTES, COMMITMENTS
4	STATUS OF UTILITIES
5	SUMMARY OF QUANTITIES
6	TYPICAL SECTIONS
7	SCHEDULE OF QUANTITIES
8	ALIGNMENT TIES AND BENCHMARKS
9	PROJECT LINE DIAGRAM
10	CONSTRUCTION STAGING PLAN
11-13	REMOVAL ITEMS
14-16	GRADING AND DRAINAGE PLAN AND PROFILES
17-19	EROSION CONTROL PLAN AND PROFILES
20-21	RIGHT OF WAY PLANS
22	GRADING DETAIL

SHT. NO.	DESCRIPTION
<u>DETAILS</u>	
23	DRAINAGE STRUCTURE NO. 1 DETAILS
24	SOIL TREATMENT DETAILS - CULVERT STA. 510+17.89
25	SEDIMENT BASIN DETAILS
26	SILT CURTAIN DETAILS
<u>DISTRICT 4 CADD STANDARDS</u>	
27	205001-D4 SLOPE STEPS DETAIL
28	205101-D4 SETTLEMENT PLATFORM
29	604101-D4 MEDIAN INLET (604101), SPECIAL AND MEDIAN INLET (604106), SPECIAL
<u>CROSS SECTIONS</u>	
30 - 55	CROSS SECTIONS - IL. ROUTE 336

DESCRIPTION OF WORK
EARTHWORK, CULVERTS AND DRAINAGE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		INDEX OF SHEETS IL. ROUTE 336

DATE 8/29/05
DRAWN BY DLC
CHECKED BY KMC

11/11/05 11:23:31 AM

68452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	3
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

GENERAL NOTES

SOIL REPORT AVAILABILITY

ALL SOILS DATA COLLECTED AND PROCESSED FOR THE SOILS REPORT MADE IN CONJUNCTION WITH THE DESIGN OF THIS IMPROVEMENT IS ON FILE AT THE DISTRICT OFFICE WHERE IT IS AVAILABLE FOR THE INSPECTION OF CONTRACTORS OR PROSPECTIVE BIDDERS. BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THAT THE SOILS REPORT HAS BEEN MADE AVAILABLE AND IS AWARE OF THE REPORT CONTENTS AND APPENDICES.

AVAILABILITY OF ELECTRONIC FILES

MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

TREE REMOVAL - UTILITY RELOCATION

TREE REMOVAL MAY BE NECESSARY PRIOR TO UTILITY COMPANIES BEING ABLE TO RELOCATE THEIR FACILITIES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHOULD COORDINATE ANY CONTRACT TREE REMOVAL ACTIVITIES WITH THE UTILITY COMPANIES TO ELIMINATE CONFLICTS AND POTENTIAL DELAYS CAUSED BY UTILITY TREE REMOVAL ACTIVITIES OR INCOMPLETE UTILITY RELOCATIONS.

PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.

PROPERTY OWNER ACCESS REQUIREMENT

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

TREE REMOVAL

THE DISTRICT FOUR TREE COMMITTEE SHOULD BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (ENVIRONMENTAL SURVEY REQUEST)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- SIGNED PROPERTY OWNER AGREEMENT FORM
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA

PLEASE NOTE THAT A MINIMUM OF TWO WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES.

ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF BOX/PIPE CULVERTS REQUIRED PRIOR TO ORDERING THESE ITEMS.

ENGINEERS FIELD OFFICE

ADD THE FOLLOWING TO THE END OF THE PARAGRAPH 670.02 (I) AND 670.04 (E): ALL OF THE TELEPHONE LINES PROVIDED SHALL HAVE UNPUBLISHED NUMBERS.

JOB SPECIFIC NOTES

TOPSOIL REMOVAL

THE TOPSOIL SHOULD BE REMOVED TO THE DEPTH ENCOUNTERED OR TO A MINIMUM DEPTH OF 2.0 FEET BELOW PROPOSED P.G.L. PROFILE AND FOR 51 FEET EACH SIDE OF PROPOSED CENTERLINE. THESE AREAS ARE MARKED ON THE PLANS. THIS MATERIAL SHOULD BE STOCKPILED FOR LATER USE AS TOPSOIL, ON THIS CONTRACT AND ON LATER CONTRACTS.

TOPSOIL STOCKPILES SHALL HAVE SIDE SLOPES NO STEEPER THAN 3:1 AND SHALL BE NO HIGHER THAN 10 FEET.

LAKE ELEVATIONS

LAKE SURFACE ELEVATIONS SHOWN IN PLANS OF 659.35 WAS WATER ELEVATION OBSERVED IN 2003.

ELEVATIONS AS OF 8-24-05:
SPILLWAY ELEVATION = 660.93
CMP OVERFLOW ELEVATION = 658.20
LAKE SURFACE ELEVATION = 655.86

TREE REPLACEMENT

TREE REPLACEMENT WILL BE DONE ACCORDING TO DEPARTMENT POLICY ON THE FUTURE PAVING CONTRACT (CONTRACT NO. 68205).

COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

1. THERE ARE NO COMMITMENTS ON THIS PROJECT.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL NOTES, JOB SPECIFIC NOTES, AND COMMITMENTS IL. ROUTE 336
NAME	DATE	
		DATE 8/29/05 DRAWN BY DLC CHECKED BY KMC

REVISIONS: 08/29/05 11:35:32 AM

68452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	MCDONOUGH	55	5
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			80% FED 20% STATE C000
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	15
20200100	EARTH EXCAVATION	CU YD	220725
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2590
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	7637
* 25000210	SEEDING, CLASS 2A	ACRE	6.8
* 25000312	SEEDING, CLASS 4A	ACRE	6.2
* 25000322	SEEDING, CLASS 5A	ACRE	6.2
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1170
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1170
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1170
* 25100115	MULCH, METHOD 2	ACRE	13
25100630	EROSION CONTROL BLANKET	SQ YD	33735
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1600
28000300	TEMPORARY DITCH CHECKS	EACH	10
28000400	PERIMETER EROSION BARRIER	FOOT	3025
28000500	INLET AND PIPE PROTECTION	EACH	4
28100109	STONE RIPRAP, CLASS A5	SQ YD	556
28100125	STONE RIPRAP, CLASS B3	SQ YD	1793
28100127	STONE RIPRAP, CLASS B4	SQ YD	387
28300400	AGGREGATE DITCH	TON	1349
54001001	BOX CULVERT END SECTION, CULVERT NO. 1	EACH	2
54010807	PRECAST CONCRETE BOX CULVERT 8' X 7'	FOOT	456
54213705	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60"	EACH	2
54218484	REINFORCED CONCRETE PIPE TEE, 60" PIPE WITH 36" RISER	EACH	1
542A2785	PIPE CULVERTS, CLASS A, TYPE 4 60"	FOOT	973
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	90
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	10
67100100	MOBILIZATION	L SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
X0323260	SEDIMENT BASIN	EACH	1
X0323975	DRAINAGE STRUCTURES NO. 1	EACH	1
X0329891	SILT CURTAIN	SQ YD	266
X0348700	AGGREGATE DITCH CHECK	EACH	3
X2111000	TOPSOIL EXCAVATION	CU YD	12085
X6020015	INLETS, TYPE B, SPECIAL, TYPE 1 FRAME CLOSED LID	EACH	1

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES			80% FED 20% STATE C000
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0022800	FENCE REMOVAL	FOOT	520
Z0022800	FILTER FABRIC	SQ YD	4765
Z0036000	OPEN-GRADED DRAINAGE BLANKET	CU YD	6530
Z0054500	ROCK FILL	TON	13388
Z0065100	SETTLEMENT PLATFORMS	EACH	1
Z0076600	TRAINEES	HOURL	1000
* Z0077000	VERTICAL PLASTIC DRAINAGE WICKS	FOOT	80047

* SPECIALTY ITEMS
 O YOBO

REVISIONS	
NAME	DATE

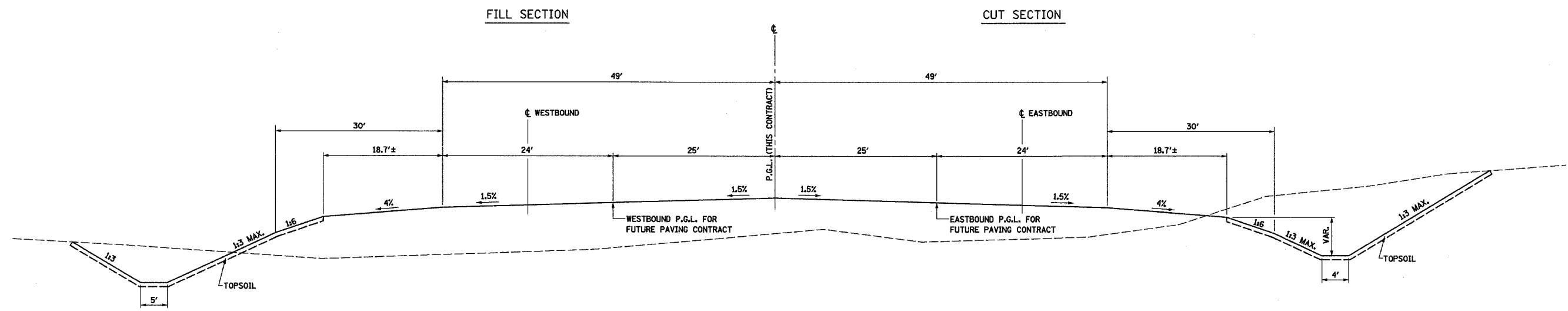
ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
IL. ROUTE 336

DATE 8/29/05
 DRAWN BY DLC
 CHECKED BY KMC

SUMMARY OF QUANTITIES (09/17/2005 8:21:27 AM)

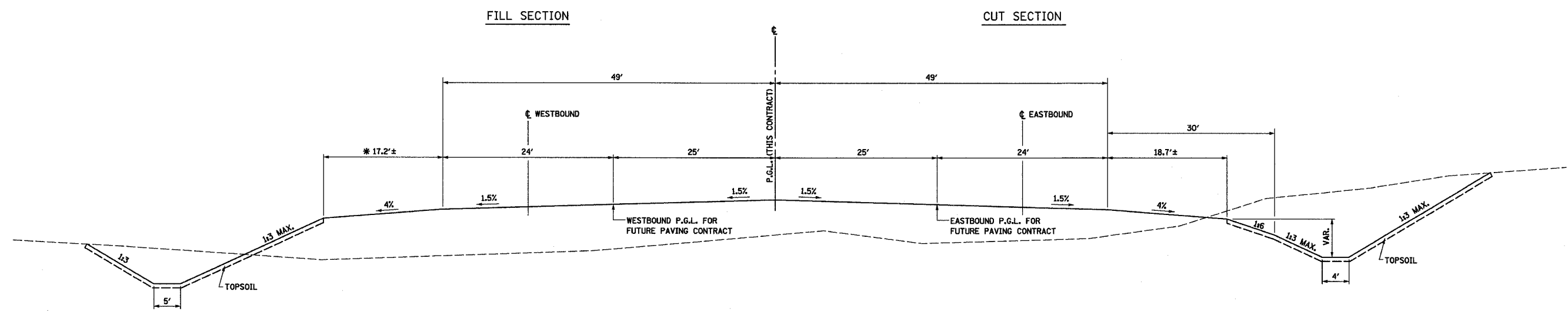
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	6
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



IL 336 TYPICAL SECTION

STA. 515+19.94 TO STA. 517+00
 STA. 527+00 TO STA. 535+25



IL 336 TYPICAL SECTION

* LT. STA. 514+47.44 TO STA. 515+19.94
 SEE STD. 630301 SHOULDER WIDENING
 FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS

STA. 507+00 TO STA. 515+19.94

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS
 IL. ROUTE 336**

DATE 8/29/05

DRAWN BY DLC
 CHECKED BY KMC

TYPE-C-601 8/27/2005 8:38 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	7
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

LOCATION		ACRES
STA. 504+00.00	TO STA. 517+00.00	11.4
STA. 517+00.00	TO STA. 518+00.00	0.2
STA. 519+61.00	RT TO STA. 528+90.00	3.3
TOTAL		15.0

LOCATION		FOOT
STA. 506+00.00	RT TO STA. 507+00.00	220
STA. 525+00.00	LT TO STA. 526+00.00	120
STA. 529+10.00	RT TO STA. 535+05.00	1330
STA. 528+95.00	LT TO STA. 531+50.00	540
STA. 538+20.00	RT TO STA. 540+25.00	265
STA. 541+50.00	RT TO STA. 547+00.00	550
TOTAL		3025

LOCATION	L. SUM
ENTIRE PROJECT	1
TOTAL	1

LOCATION	L. SUM
ENTIRE PROJECT	1
TOTAL	1

LOCATION		EARTH EXCAVATION CU YD	EMBANKMENT* CU YD	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL CU YD	TOPSOIL EXCAVATION AND PLACEMENT CU YD	TOPSOIL EXCAVATION CU YD
STA. 506+00.00	TO STA. 537+53.00	220,725	176,580		7,637	
STA. 508+70.00	TO STA. 511+60.00			2,590		
STA. 512+00.00	TO STA. 530+00.00					12,085
TOTAL		220,725	176,580	2,590	7,637	12,085

* ADJUSTED FOR 25% SHRINKAGE

LOCATION	EACH
STA. 519+00.00	1
STA. 523+00.00	1
STA. 528+00.00	1
STA. 535+25.00	1
TOTAL	4

LOCATION	L. SUM
ENTIRE PROJECT	1
TOTAL	1

LOCATION		EACH
STA. 519+50.00	RT TO STA. 526+00.00	1
TOTAL		1

LOCATION		EACH
STA. 510+00.00	CENTERLINE	1
TOTAL		1

LOCATION		SEEDING CLASS 2A ACRE	SEEDING CLASS 4A ACRE	SEEDING CLASS 5A ACRE	NITROGEN FERTILIZER POUND	PHOSPHORUS FERTILIZER POUND	POTASSIUM FERTILIZER POUND	MULCH METHOD 2 517+00 ACRE
STA. 507+00.00	RT TO STA. 517+00.00	1.8			162	162	162	1.8
STA. 507+00.00	LT TO STA. 523+00.00	3.4			306	306	306	3.4
STA. 508+00.00	RT TO STA. 511+00.00		0.3	0.3	27	27	27	0.3
STA. 509+00.00	LT TO STA. 523+00.00		2.2	2.2	198	198	198	2.2
STA. 512+00.00	RT TO STA. 517+00.00		0.2	0.2	18	18	18	0.2
STA. 523+00.00	RT TO STA. 535+25.00	0.5			45	45	45	0.5
STA. 524+75.00	LT TO STA. 535+25.00		2.2	2.2	198	198	198	2.2
STA. 527+00.00	LT TO STA. 535+25.00	1.1			99	99	99	1.1
STA. 527+00.00	RT TO STA. 535+25.00		1.3	1.3	117	117	117	1.3
TOTAL		6.8	6.2	6.2	1,170	1,170	1,170	13.0

LOCATION		STONE RIPRAP CLASS A5 SQ YD	STONE RIPRAP CLASS B3 SQ YD	STONE RIPRAP CLASS B4 SQ YD	AGGREGATE DITCH TON	AGGREGATE DITCH CHECK EACH
STA. 508+00.00	RT TO STA. 511+25.00				326.7	
STA. 509+00.00	LT TO STA. 512+00.00			167.0	583.3	
STA. 511+50.00	RT TO STA. 516+00.00			153.0	436.7	
STA. 512+00.00	LT TO STA. 514+00.00		1683.0			
STA. 517+00.00	LT TO STA. 518+00.00	556.0				
STA. 524+43.00	RT					1
STA. 525+75.00	LT					1
STA. 527+25.00	LT					1
STA. 528+00.00	LT			67.0		
STA. 535+25.00	LT		110.0			
TOTALS		556	1793	387	1349	3

LOCATION		SQ YD
STA. 519+50.00	RT TO STA. 523+05.00	266
TOTAL		266

LOCATION		SQ YD
STA. 508+00.00	RT TO STA. 511+25.00	467
STA. 509+00.00	LT TO STA. 512+00.00	269
STA. 509+00.00	LT TO STA. 512+00.00	833
STA. 511+50.00	RT TO STA. 516+00.00	153
STA. 511+50.00	RT TO STA. 516+00.00	627
STA. 512+00.00	LT TO STA. 514+00.00	1,705
STA. 517+75.00	LT TO STA. 527+11.00	141
STA. 526+11.00	LT TO STA. 527+11.00	196
STA. 527+00.00	LT TO STA. 527+50.00	197
STA. 528+00.00	LT TO STA. 535+34.00	67
STA. 538+75.00	LT TO STA. 535+34.00	110
TOTAL		4,765

LOCATION	HOURS
ENTIRE PROJECT	1000
TOTAL	1000

LOCATION		CU YD
STA. 508+70.00	LT TO STA. 511+60.00	6530.0
TOTAL		6530.0

LOCATION		LB
STA. 504+00.00	TO STA. 507+00.00	230
STA. 507+00.00	TO STA. 518+00.00	330
STA. 507+00.00	LT TO STA. 509+00.00	40
STA. 525+00.00	RT TO STA. 535+25.00	270
STA. 529+00.00	LT TO STA. 531+25.00	40
STA. 529+15.00	RT TO STA. 535+00.00	120
STA. 535+25.00	TO STA. 542+00.00	570
TOTAL		1600

LOCATION		FOOT	FOOT	FOOT
STA. 510+17.89		456.0		
STA. 518+00.00	LT TO STA. 518+97.00		97.0	
STA. 519+03.00	LT TO STA. 522+97.00		394.0	
STA. 523+03.00	LT TO STA. 527+85.00		482.0	
STA. 535+25.00	LT			90.0
TOTALS		456.0	973.0	90.0

LOCATION		FOOT
STA. 508+70.00	LT TO STA. 511+60.00	80047.0
TOTAL		80047.0

LOCATION		FOOT
STA. 516+95.00	LT TO STA. 517+00.00	120.0
STA. 517+00.00	LT TO STA. 517+08.00	236.0
STA. 517+00.00	LT TO STA. 517+63.00	75.0
STA. 527+38.00	LT TO STA. 527+40.00	90.0
TOTAL		520.0

LOCATION		EACH
STA. 512+00.00	LT	1
STA. 514+50.00	LT	1
STA. 516+00.00	RT	1
STA. 517+00.00	LT	1
STA. 520+25.00	LT	1
STA. 521+50.00	LT	1
STA. 523+10.00	RT	1
STA. 524+75.00	LT	1
STA. 526+50.00	RT	1
STA. 529+00.00	RT	1
TOTAL		10

LOCATION		SQ YD
STA. 506+50.00	LT TO STA. 514+00.00	9,340
STA. 507+00.00	RT TO STA. 513+50.00	9,115
STA. 518+00.00	LT TO STA. 519+25.00	2,285
STA. 523+10.00	RT TO STA. 524+50.00	210
STA. 524+45.00	LT TO STA. 527+80.00	1,650
STA. 529+75.00	LT TO STA. 539+50.00	11,118
STA. 535+00.00	RT TO STA. 535+31.00	117
TOTAL		33,735

LOCATION		EACH	EACH	EACH	EACH	EACH
STA. 509+07.00	LT	1				
STA. 511+32.00	RT	1				
STA. 518+00.00	LT		1			
STA. 519+00.00	LT				1	
STA. 523+00.00	LT			1		
STA. 523+00.00	LT				1	
STA. 527+85.00	LT		1			
TOTALS		2	2	1	1	1

LOCATION		TON
STA. 519+70.00	RT TO STA. 527+50.00	13388.0
TOTAL		13388.0

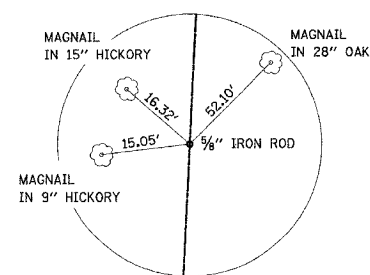
LOCATION	CAL. MO
ENTIRE PROJECT	10
TOTAL	10

LOCATION	CAL. MO
ENTIRE PROJECT	10
TOTAL	10

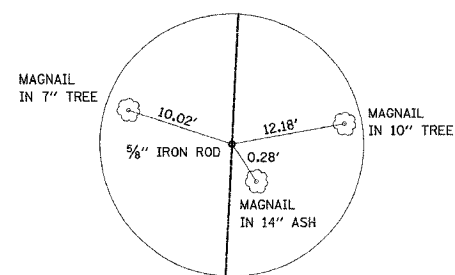
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
IL. ROUTE 336
 DATE 8/29/05
 DRAWN BY D.L.C.
 CHECKED BY K.M.C.

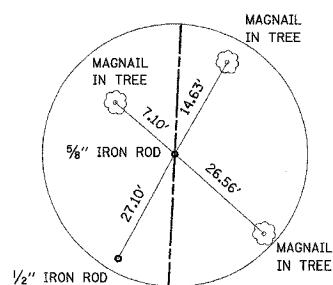
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	8
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



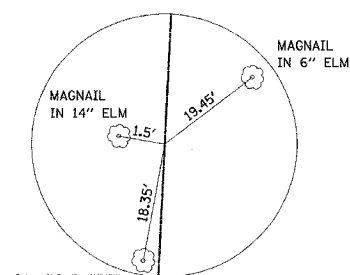
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N=1371405.68
E=2137540.74



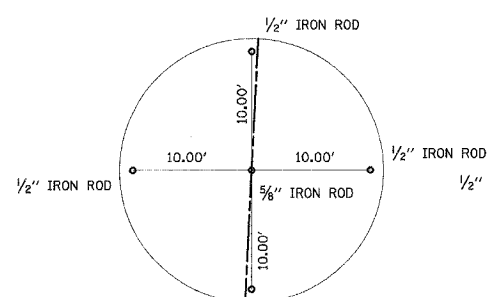
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PROPOSED ϕ IL. ROUTE 336
N=1372004.98
E=2137569.76



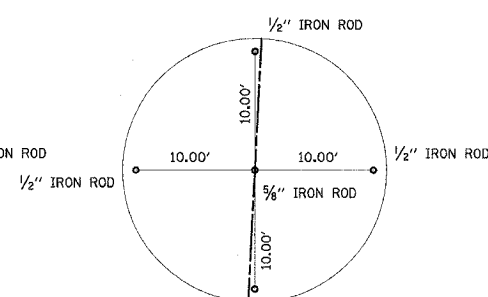
P.O.L. STA. 520+00.00
PROPOSED ϕ IL. ROUTE 336
N=1372804.04
E=2137608.45



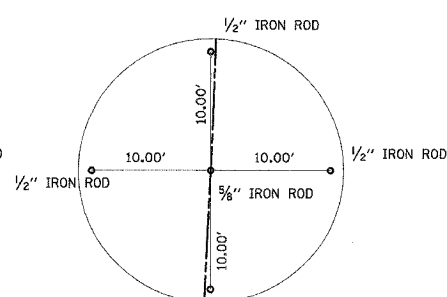
P.O.L. STA. 522+00.00
PROPOSED ϕ IL. ROUTE 336
N=1373003.81
E=2137618.13



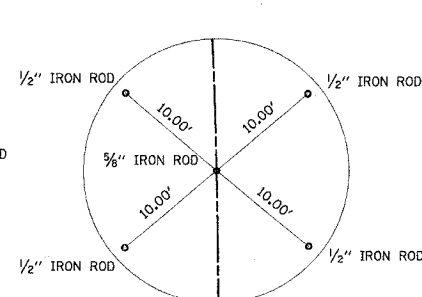
P.O.L. STA. 530+00.00
PROPOSED ϕ IL. ROUTE 336
N=1373802.87
E=2137656.82



P.O.L. STA. 540+00.00
PROPOSED ϕ IL. ROUTE 336
N=1374801.70
E=2137705.19



P.C. STA. 549+51.09
CURVE NO. 336-10
PROPOSED ϕ IL. ROUTE 336
N=1375751.68
E=2137751.19



P.O.C. STA. 555+00.00
CURVE NO. 336-10
PROPOSED ϕ IL. ROUTE 336
N=1376300.43
E=2137758.04

BENCHMARKS

ID.	ELEVATION	STATION	OFFSET	DESCRIPTION
TBM-RR3	692.88	553+80	376' LT.	RR SPIKE IN FIFTH POWER POLE EAST OF ABANDONED TWP. RD. 226 ON NORTH SIDE OF BNSF RAILROAD
TBM-RR4	691.98	555+46	177' RT.	RR SPIKE IN SEVENTH POWER POLE EAST OF ABANDONED TWP. RD. 226 ON NORTH SIDE OF BNSF RAILROAD
TBM-AAA	689.22	545+78	185' RT.	RR SPIKE IN POWER POLE NEAR NORTHWEST CORNER OF GOLD HILLS GOLF COURSE
TBM-BBB	685.98	537+09	215' RT.	RR SPIKE IN SOUTH SIDE 4TH POWER POLE WEST EDGE OF GOLD HILLS GOLF COURSE
TBM-CCC	680.14	529+96	246' RT.	RR SPIKE IN SOUTH SIDE 7TH POWER POLE WEST EDGE OF GOLD HILLS GOLF COURSE

NOTE: ALL BENCHMARK STATIONS AND OFFSETS ARE IN REFERENCE TO PROPOSED ϕ IL. ROUTE 336.

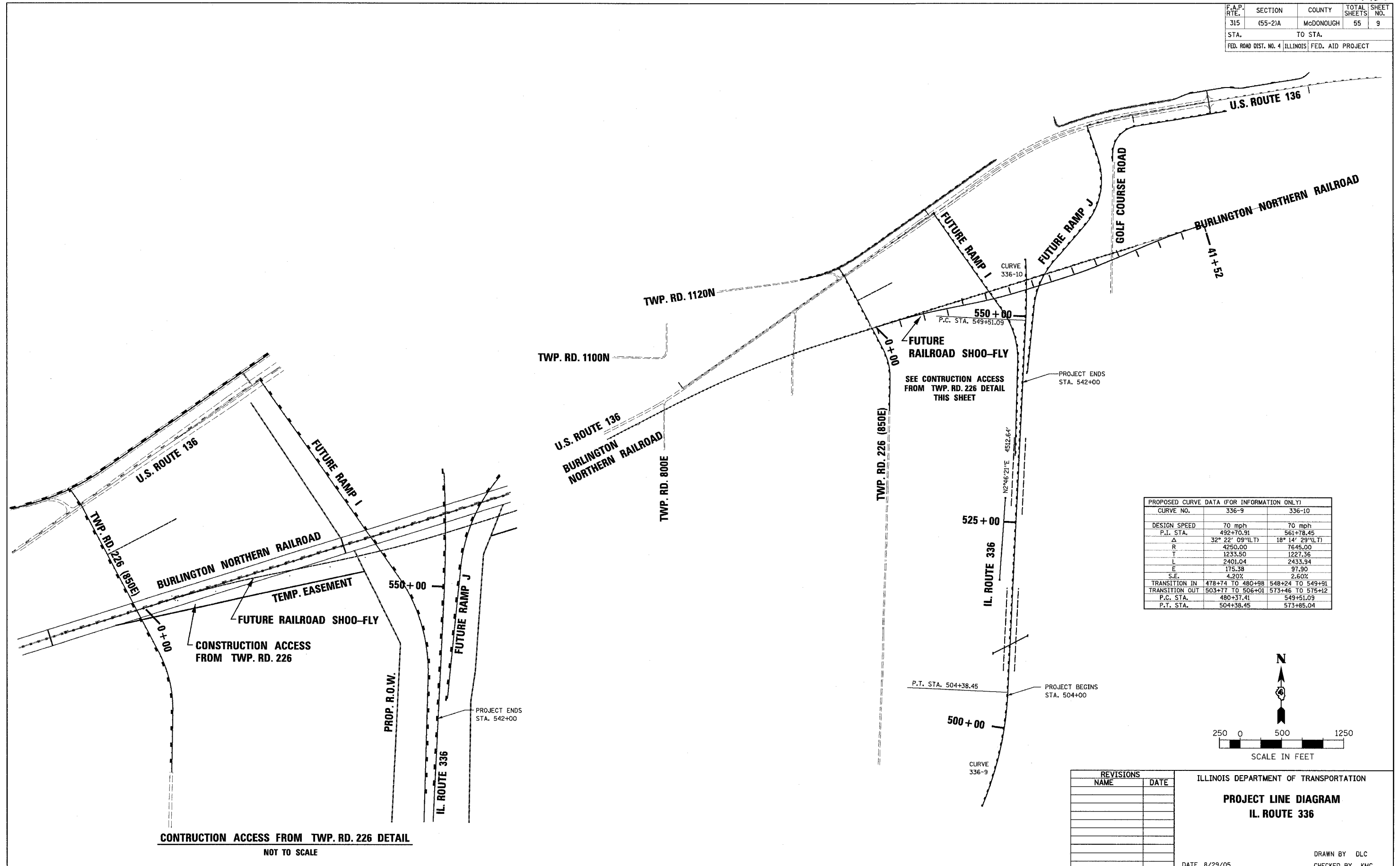
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ALIGNMENT TIES AND BENCHMARKS
IL. ROUTE 336

DATE 8/29/05
DRAWN BY DLC
CHECKED BY KMC

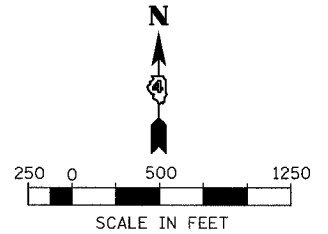
68452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	MCDONOUGH	55	9
STA.	TO STA.			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



PROPOSED CURVE DATA (FOR INFORMATION ONLY)

CURVE NO.	336-9	336-10
DESIGN SPEED	70 mph	70 mph
P.I. STA.	492+70.91	561+78.45
Δ	32° 22' 09" (L)	18° 14' 29" (L)
R	4250.00	7645.00
T	1233.50	1227.36
L	2401.04	2433.34
E	175.38	97.90
S.E.	4.20%	2.60%
TRANSITION IN	478+74 TO 480+98	548+24 TO 549+91
TRANSITION OUT	503+77 TO 506+01	573+46 TO 575+12
P.C. STA.	480+37.41	549+51.09
P.T. STA.	504+38.45	573+85.04



REVISIONS	
NAME	DATE

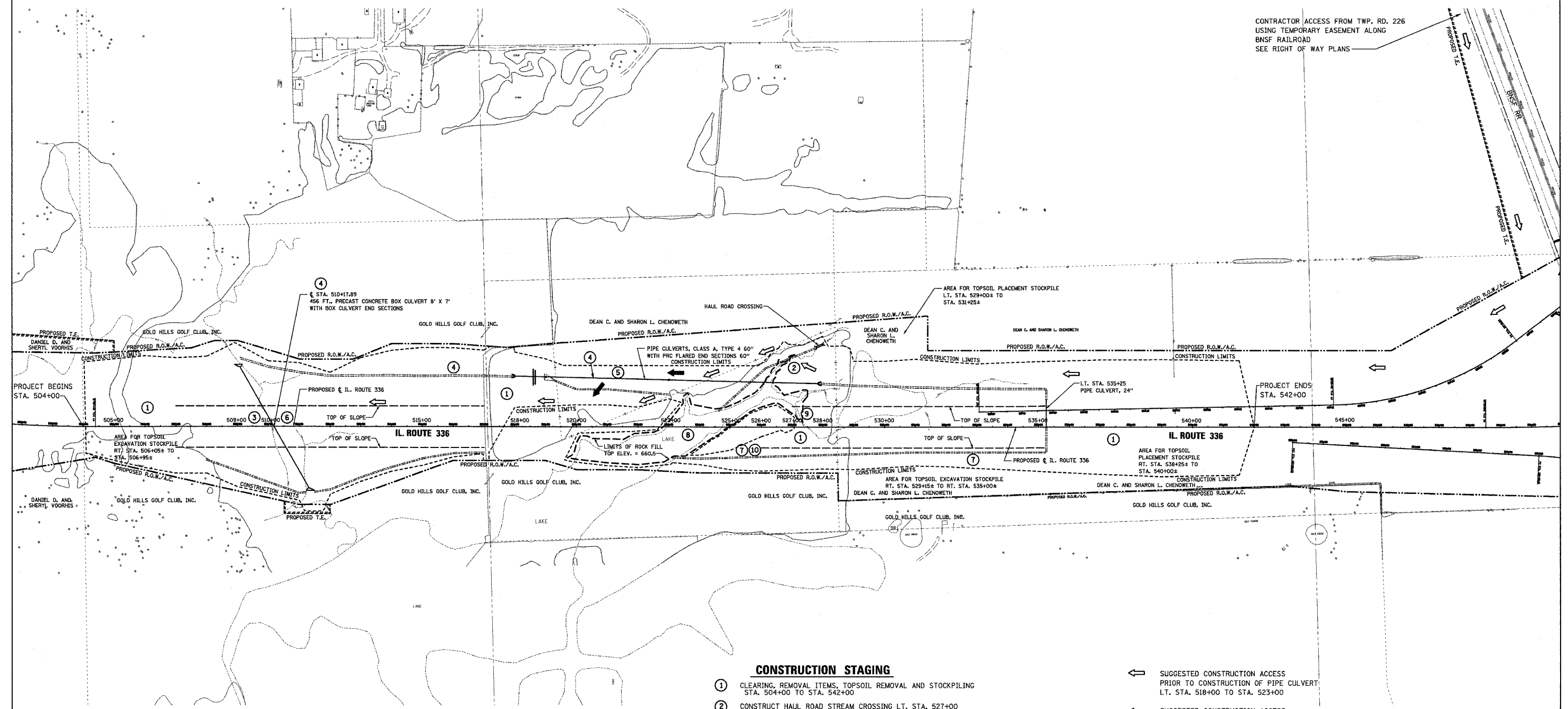
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROJECT LINE DIAGRAM
IL. ROUTE 336
 DATE 8/29/05
 DRAWN BY DLC
 CHECKED BY KMC

CONSTRUCTION ACCESS FROM TWP. RD. 226
 NOT TO SCALE

68452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	MCDONOUGH	55	10
STA.	TO STA.			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

CONTRACTOR ACCESS FROM TWP. RD. 226 USING TEMPORARY EASEMENT ALONG BNSF RAILROAD SEE RIGHT OF WAY PLANS



CONSTRUCTION STAGING

- ① CLEARING, REMOVAL ITEMS, TOPSOIL REMOVAL AND STOCKPILING STA. 504+00 TO STA. 542+00
- ② CONSTRUCT HAUL ROAD STREAM CROSSING LT. STA. 527+00 (ALLOW FOR CONSTRUCTION OF 60" PIPE CULVERT LT. STA. 518+00 TO STA. 523+00)
- ③ UNSUITABLE REMOVAL, DRAINAGE BLANKET AND WICK DRAINS
- ④ BEGIN CONSTRUCTION OF:
 - a) 60" PIPE CULVERT LT. STA. 518+00 TO STA. 523+00
 - b) DITCH LT. STA. 509+00± TO STA. 518+00
 - c) BOX CULVERT STA. 510+17.89
- ⑤ AT COMPLETION OF 60" PIPE CULVERT LT. STA. 523+00, RELOCATE HAUL ROAD TO LT. STA. 522+00± TO COMPLETE 60" PIPE CULVERT LT. STA. 523+00 TO 528+00±
- ⑥ AT COMPLETION OF BOX CULVERT STA. 510+17.89, INSTALL SETTLEMENT PLATFORM AND BEGIN PLACEMENT OF EMBANKMENT
- ⑦ DRAINAGE DITCH AND SEDIMENT BASIN RT. STA. 522+00 TO STA. 535+25
- ⑧ ROCK FILL PLACEMENT LT. STA. 519+75 TO STA. 527+50
- ⑨ COMPLETE ALL REMAINING DRAINAGE WORK, EROSION CONTROL, TOPSOIL PLACEMENT AND SEEDING
- ⑩ FINAL CLEANING OF SEDIMENT BASIN

- ⇐ SUGGESTED CONSTRUCTION ACCESS PRIOR TO CONSTRUCTION OF PIPE CULVERT LT. STA. 518+00 TO STA. 523+00
- ⇐ SUGGESTED CONSTRUCTION ACCESS AFTER CONSTRUCTION OF PIPE CULVERT LT. STA. 518+00 TO STA. 523+00



NOT TO SCALE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION STAGING PLAN
IL. ROUTE 336
 DATE 8/29/05
 DRAWN BY DLC
 CHECKED BY KMC

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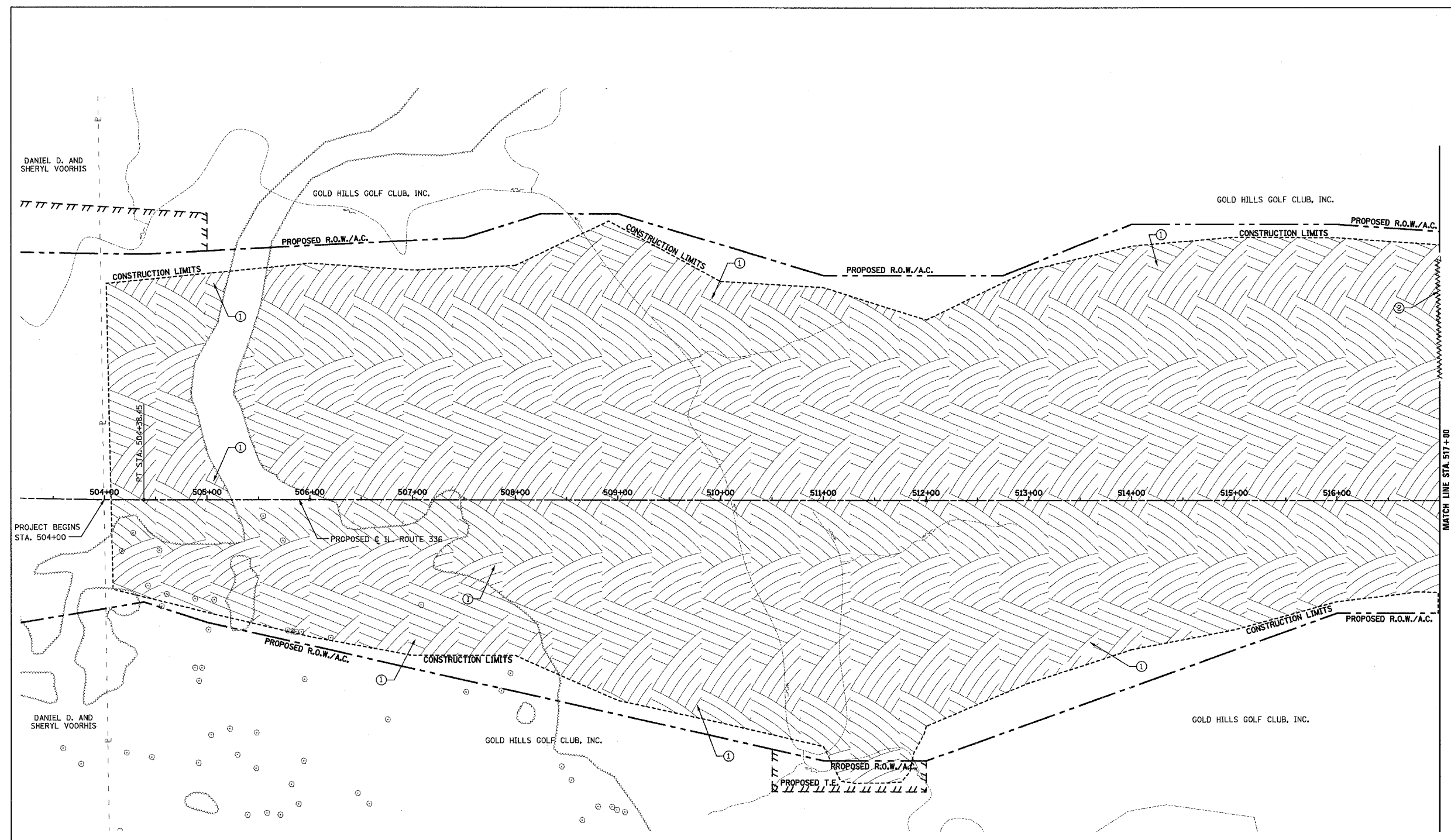
68452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	11
STA. 504+00		TO STA. 517+00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

LEGEND

- ① [Hatched Box] TREE REMOVAL, ACRES
- ② [Wavy Line Box] FENCE REMOVAL
- [X Box] TREE REMOVAL

- ① TREE REMOVAL, ACRES
LT. & RT. STA. 504+06 TO RT. STA. 505+40
RT. STA. 505+20 TO RT. STA. 505+50
LT. STA. 505+30 TO LT. & RT. STA. 517+00
- ② FENCE REMOVAL
LT. STA. 516+95 TO LT. STA. 517+00



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

REMOVAL ITEMS
IL. ROUTE 336
STA. 504+00 TO STA. 517+00

DATE 8/29/05

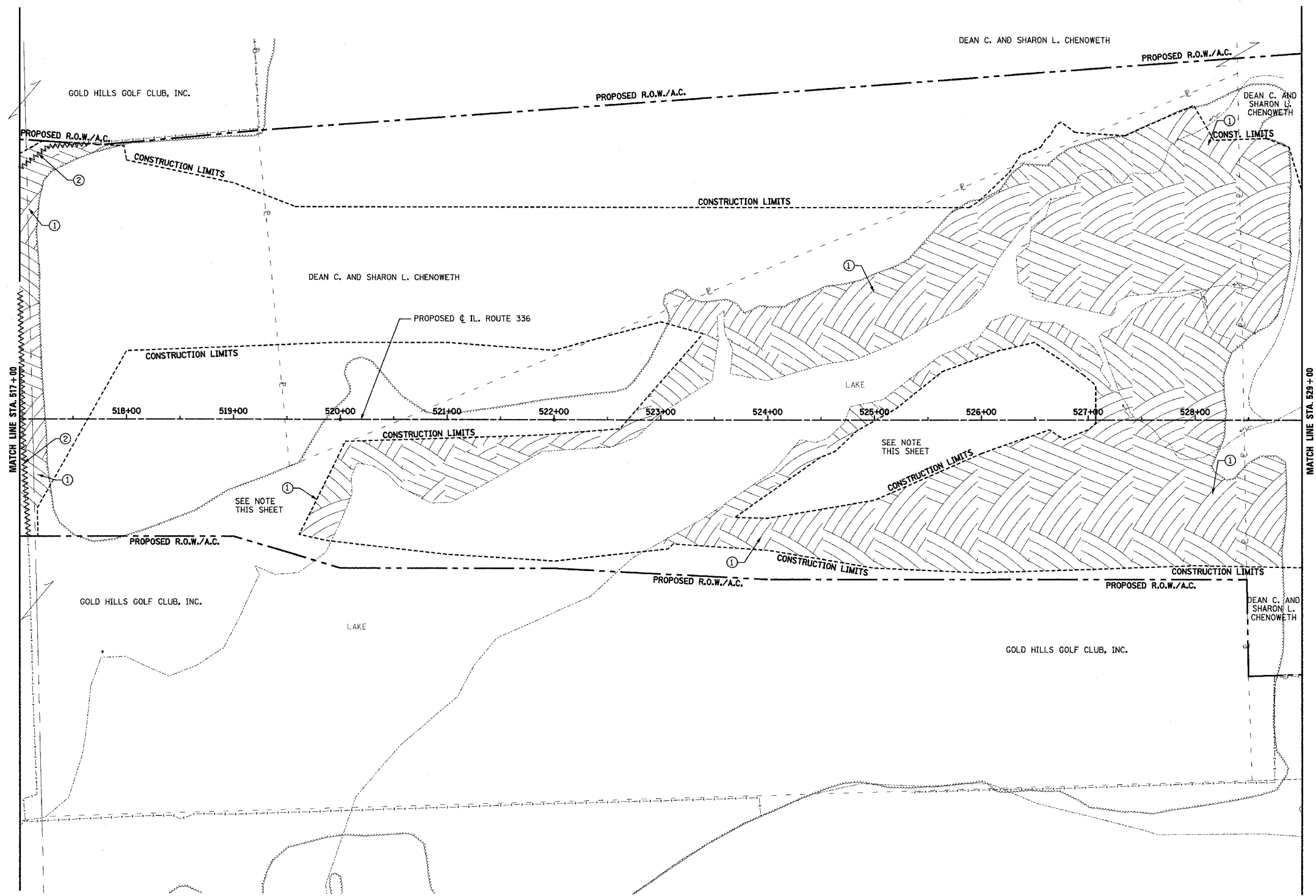
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CHECKED BY KMC

NOTE: SEE STATUS OF UTILITIES TO BE ADJUSTED FOR FURTHER INFORMATION ON UTILITY CONFLICTS.

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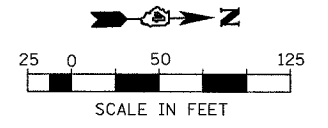
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	MCDONOUGH	55	12
STA. 517+00		TO STA. 529+00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



LEGEND

- ① [Hatched Box] TREE REMOVAL, ACRES
 - ② [Wavy Box] FENCE REMOVAL
 - [X Box] TREE REMOVAL
- ① TREE REMOVAL, ACRES
LT. & RT. STA. 517+00 TO LT. STA. 518+00
RT. STA. 519+61 TO LT. STA. 528+90
- ② FENCE REMOVAL
LT. STA. 517+00 TO RT. STA. 517+08
LT. STA. 517+00 TO LT. STA. 517+63

NOTE:
TO AID IN EROSION CONTROL, SOME TREE
REMOVAL ADJACENT TO THE LAKE WILL
NOT BE COMPLETED UNDER THIS CONTRACT.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

REMOVAL ITEMS

IL. ROUTE 336

STA. 517 + 00 TO STA. 529 + 00

NOTE: SEE STATUS OF UTILITIES TO BE ADJUSTED FOR FURTHER INFORMATION ON UTILITY CONFLICTS.

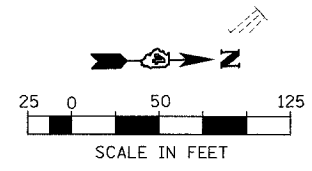
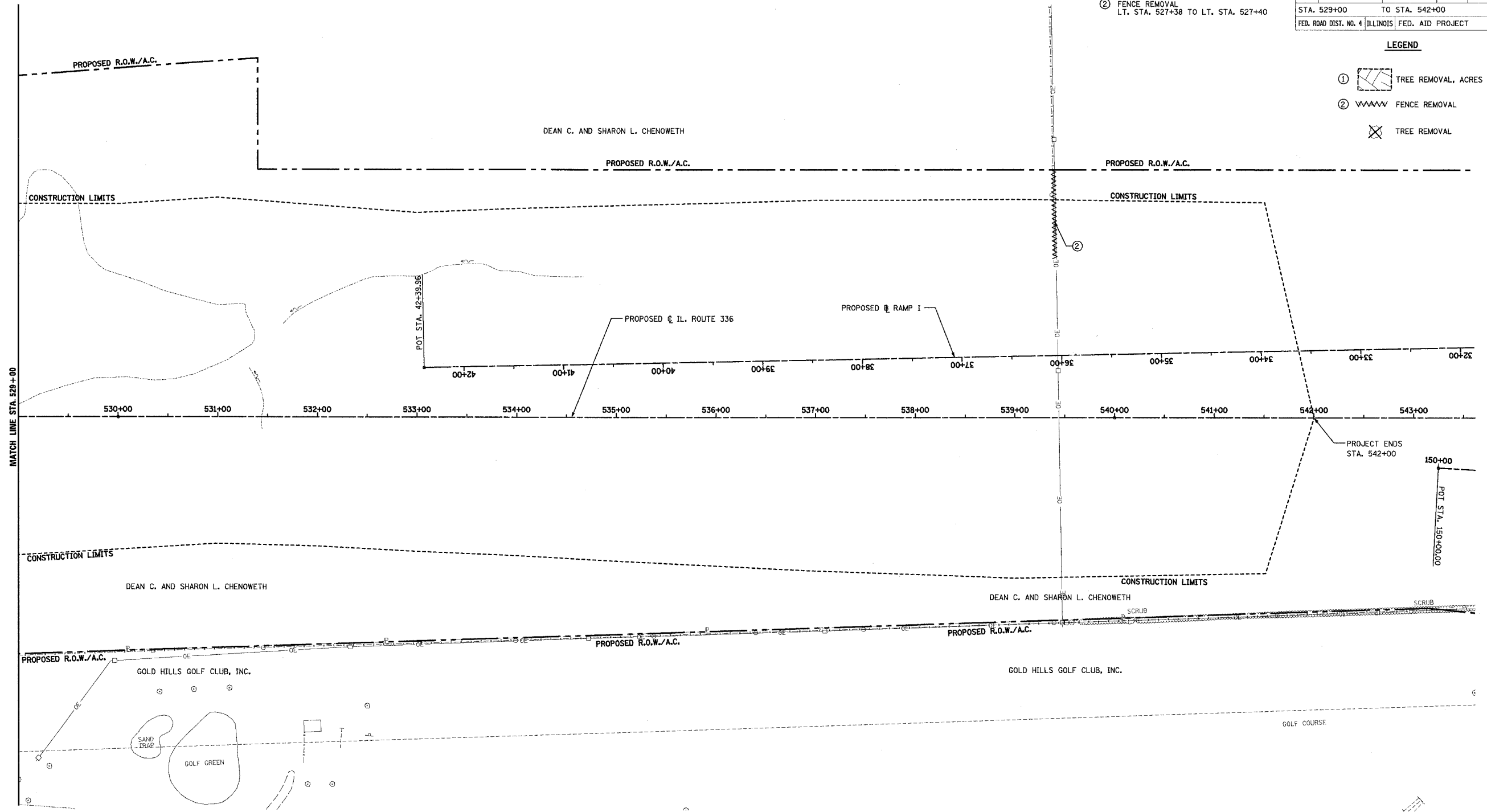
DATE 8/29/05

DRAWN BY DLC
CHECKED BY KMC

68452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	MCDONOUGH	55	13
STA. 529+00		TO STA. 542+00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

- LEGEND**
- ① [Symbol] TREE REMOVAL, ACRES
 - ② [Symbol] FENCE REMOVAL
 - [Symbol] TREE REMOVAL



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
REMOVAL ITEMS
IL. ROUTE 336
STA. 529+00 TO STA. 542+00

DATE 8/29/05
 DRAWN BY DLC
 CHECKED BY KMC

NOTE: SEE STATUS OF UTILITIES TO BE ADJUSTED FOR FURTHER INFORMATION ON UTILITY CONFLICTS.

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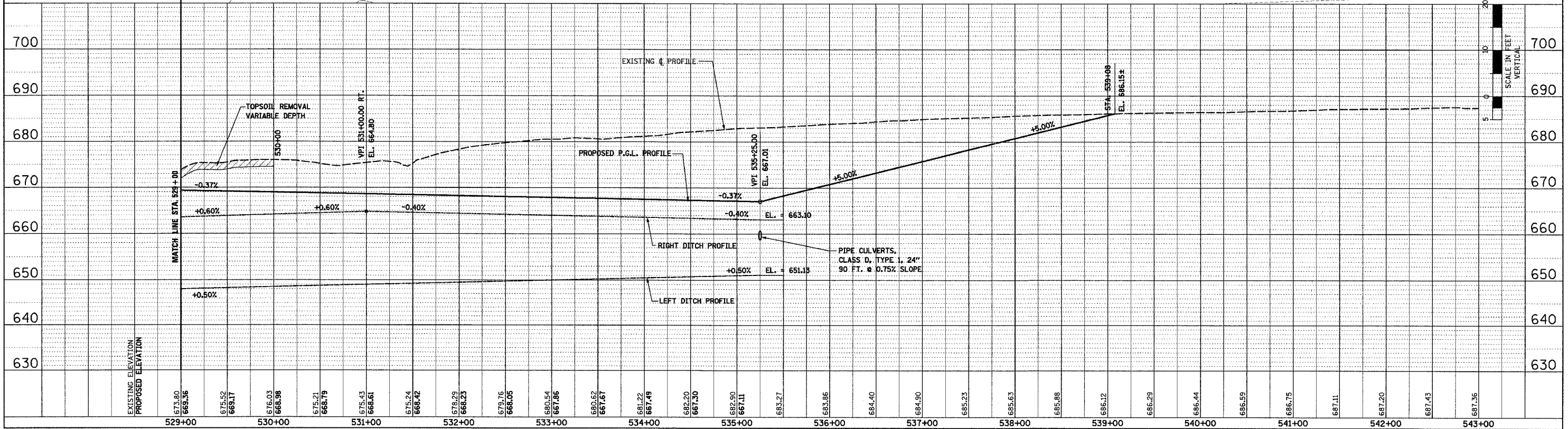
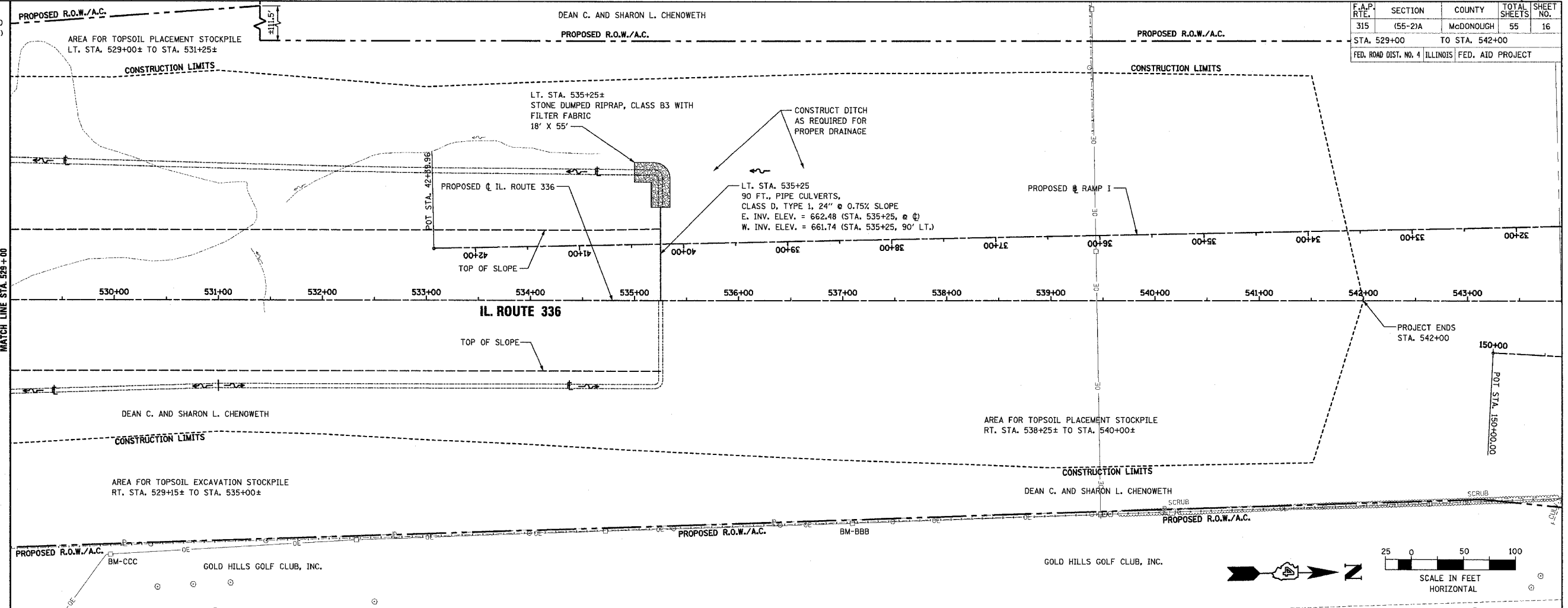
PERMANENT EROSION CONTROL LEGEND

AGGREGATE DITCH (TO BE PLACED UPON COMPLETION OF DITCH CUT)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	16
STA. 529+00 TO STA. 542+00			FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
NO.	BY	
	CHECKED	
	DATE	

PROFILE	SURVEYED	DATE
NO.	BY	
	CHECKED	
	DATE	



GRADING AND DRAINAGE PLAN AND PROFILE - IL. ROUTE 336 - STA. 529 + 00 TO STA. 542 + 00

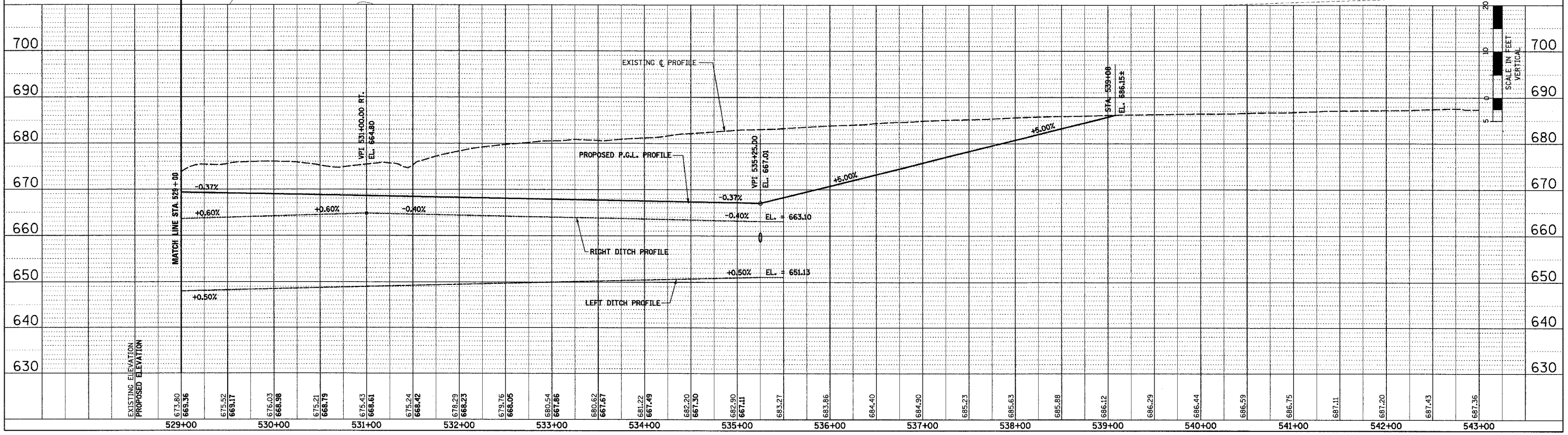
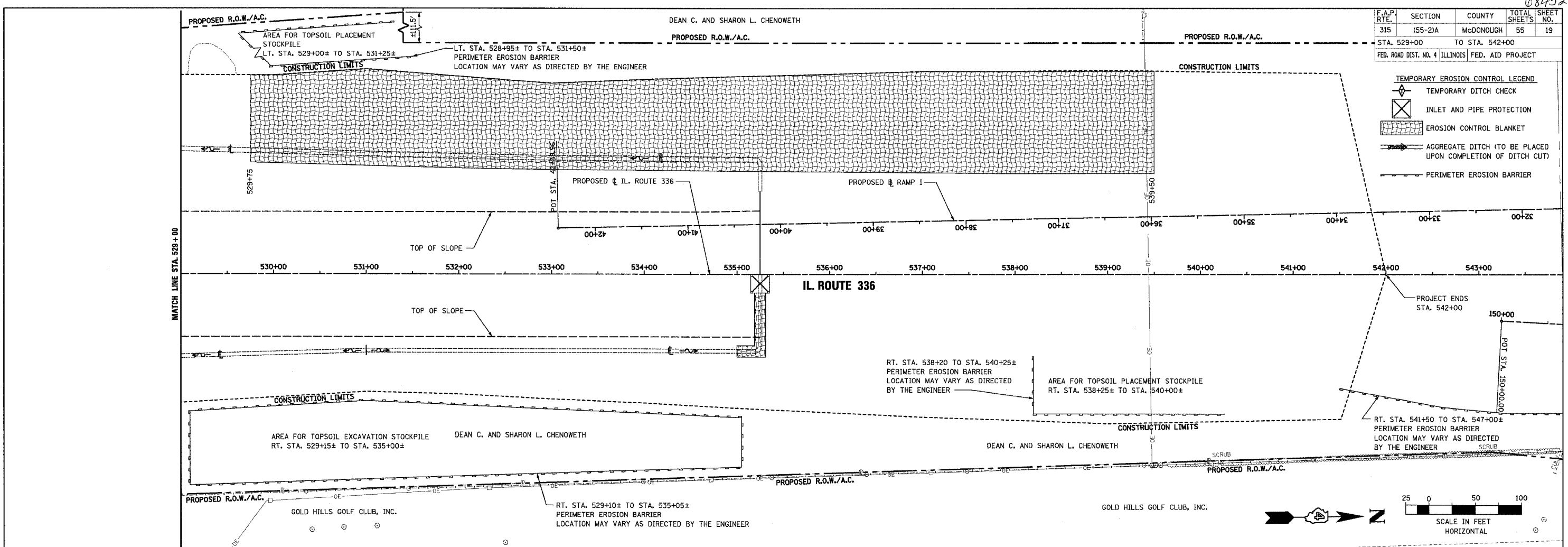
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-21A)	McDONOUGH	55	19
STA. 529+00		TO STA. 542+00		
FED. ROAD DIST. NO. 4 (ILLINOIS) FED. AID PROJECT				

TEMPORARY EROSION CONTROL LEGEND

- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET
- AGGREGATE DITCH (TO BE PLACED UPON COMPLETION OF DITCH CUT)
- PERIMETER EROSION BARRIER



EROSION CONTROL PLAN AND PROFILE - IL ROUTE 336 - STA. 529+00 TO STA. 542+00

PLAN

SURVEYED	DATE
BY	
NOTED	
CHECKED	
NO. OF	
FILE	
NAME	

PROFILE

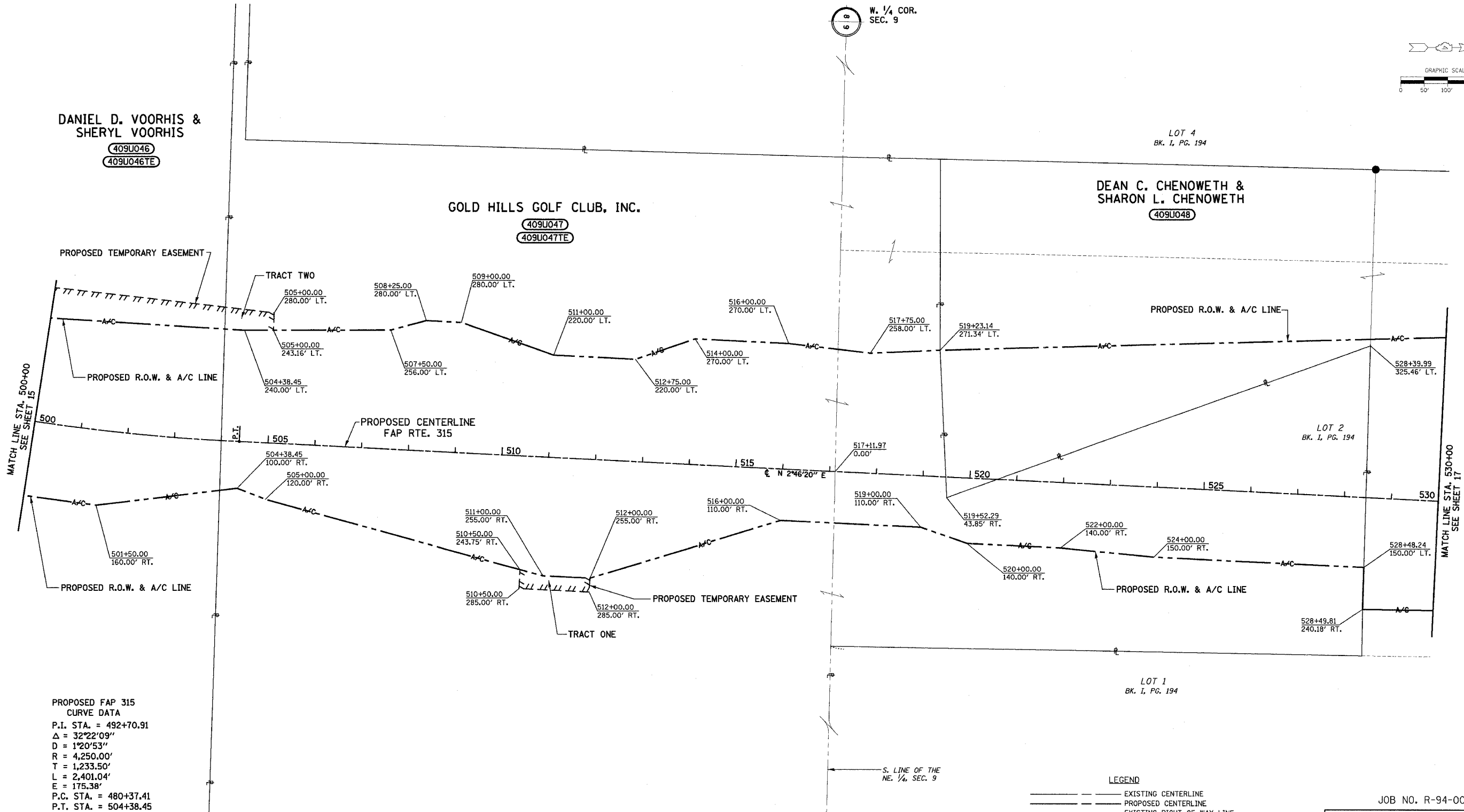
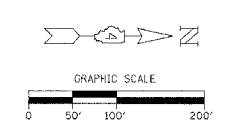
SURVEYED	DATE
BY	
NOTED	
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NO. OF	
FILE	
NAME	

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TOWNSHIP 5 NORTH, RANGE 3 WEST of the 4th P.M.

68452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	55-21A	McDONOUGH	55	20
STA.	TO STA.			
FED. ROAD DIST. NO. 4 (ILLINOIS) FED. AID PROJECT				



PROPOSED FAP 315
CURVE DATA
P.I. STA. = 492+70.91
 $\Delta = 32^{\circ}22'09''$
D = 1'20'53"
R = 4,250.00'
T = 1,233.50'
L = 2,401.04'
E = 175.38'
P.C. STA. = 480+37.41
P.T. STA. = 504+38.45

LEGEND

	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY & ACCESS CONTROL LINE
	ACCESS CONTROL LINE
	PROPOSED TEMPORARY EASEMENT LINE
	PROPOSED PERMANENT EASEMENT LINE
	SECTION LINE
	QUARTER SECTION LINE
	PROPERTY LINE

JOB NO. R-94-009-03
RIGHT OF WAY PLANS
FA RTE. 315 (IL 336)
CONSTRUCTION SECTION: 55-2
STA. 500+00 TO STA. 530+00
McDONOUGH COUNTY
SCALE: 1" = 100'

E. 1/4 COR. SEC. 9
END. STONE W/
1/4" IRON PIN

S. LINE OF THE
NE. 1/4. SEC. 9

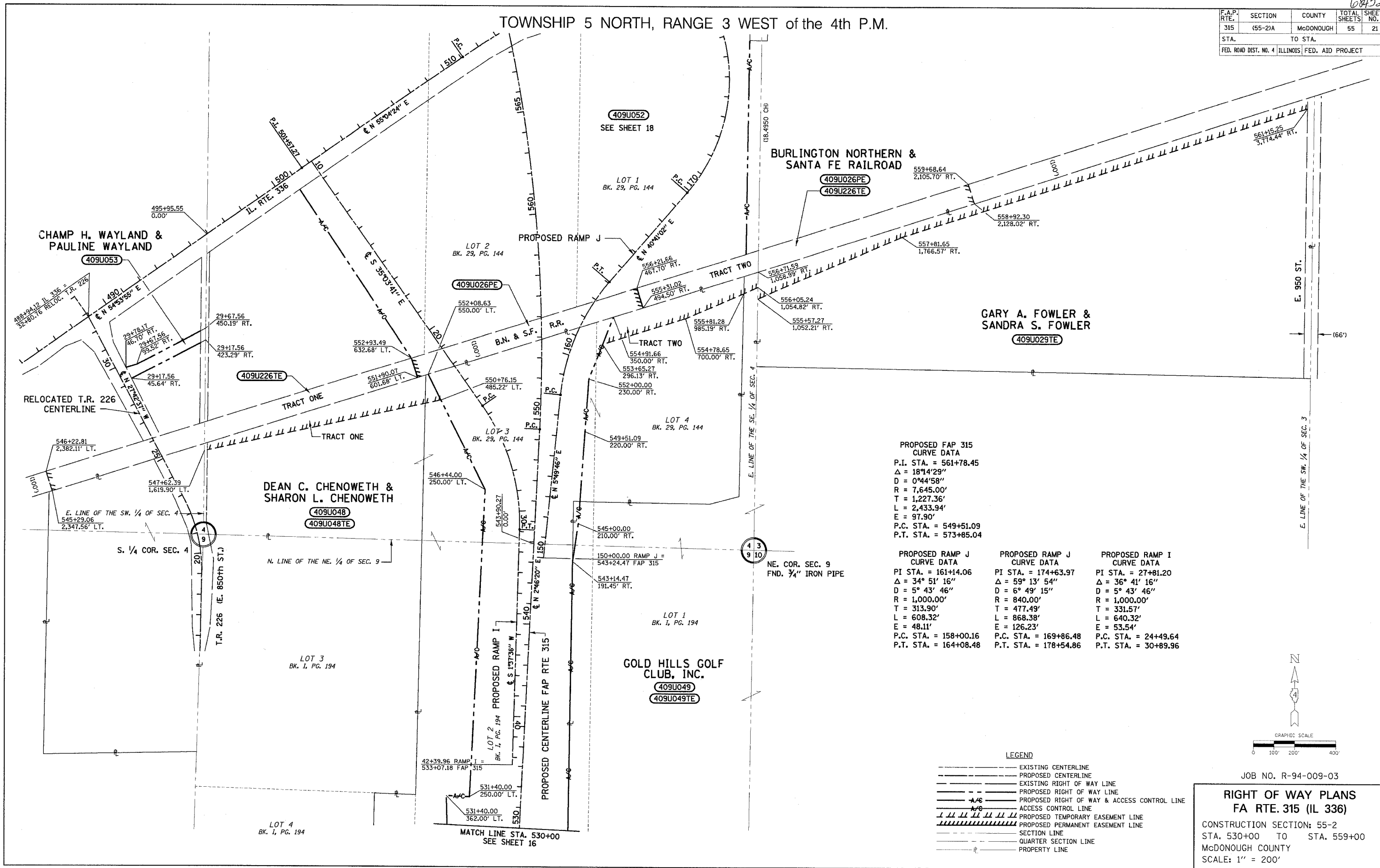
W. 1/4 COR.
SEC. 9



68452

TOWNSHIP 5 NORTH, RANGE 3 WEST of the 4th P.M.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	21
STA.	TO STA.			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



PROPOSED FAP 315 CURVE DATA
 P.I. STA. = 561+78.45
 $\Delta = 18^{\circ}14'29''$
 $D = 0^{\circ}44'58''$
 $R = 7,645.00'$
 $T = 1,227.36'$
 $L = 2,433.94'$
 $E = 97.90'$
 P.C. STA. = 549+51.09
 P.T. STA. = 573+85.04

PROPOSED RAMP J CURVE DATA
 PI STA. = 161+14.06
 $\Delta = 34^{\circ}51'16''$
 $D = 5^{\circ}43'46''$
 $R = 1,000.00'$
 $T = 313.90'$
 $L = 608.32'$
 $E = 48.11'$
 P.C. STA. = 158+00.16
 P.T. STA. = 164+08.48

PROPOSED RAMP J CURVE DATA
 PI STA. = 174+63.97
 $\Delta = 59^{\circ}13'54''$
 $D = 6^{\circ}49'15''$
 $R = 840.00'$
 $T = 477.49'$
 $L = 868.38'$
 $E = 126.23'$
 P.C. STA. = 169+86.48
 P.T. STA. = 178+54.86

PROPOSED RAMP I CURVE DATA
 PI STA. = 27+81.20
 $\Delta = 36^{\circ}41'16''$
 $D = 5^{\circ}43'46''$
 $R = 1,000.00'$
 $T = 331.57'$
 $L = 640.32'$
 $E = 53.54'$
 P.C. STA. = 24+49.64
 P.T. STA. = 30+89.96

LEGEND

- EXISTING CENTERLINE
- - - PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- - - PROPOSED RIGHT OF WAY LINE
- A/C- PROPOSED RIGHT OF WAY & ACCESS CONTROL LINE
- A/C- ACCESS CONTROL LINE
- ||||| PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- PROPERTY LINE

JOB NO. R-94-009-03

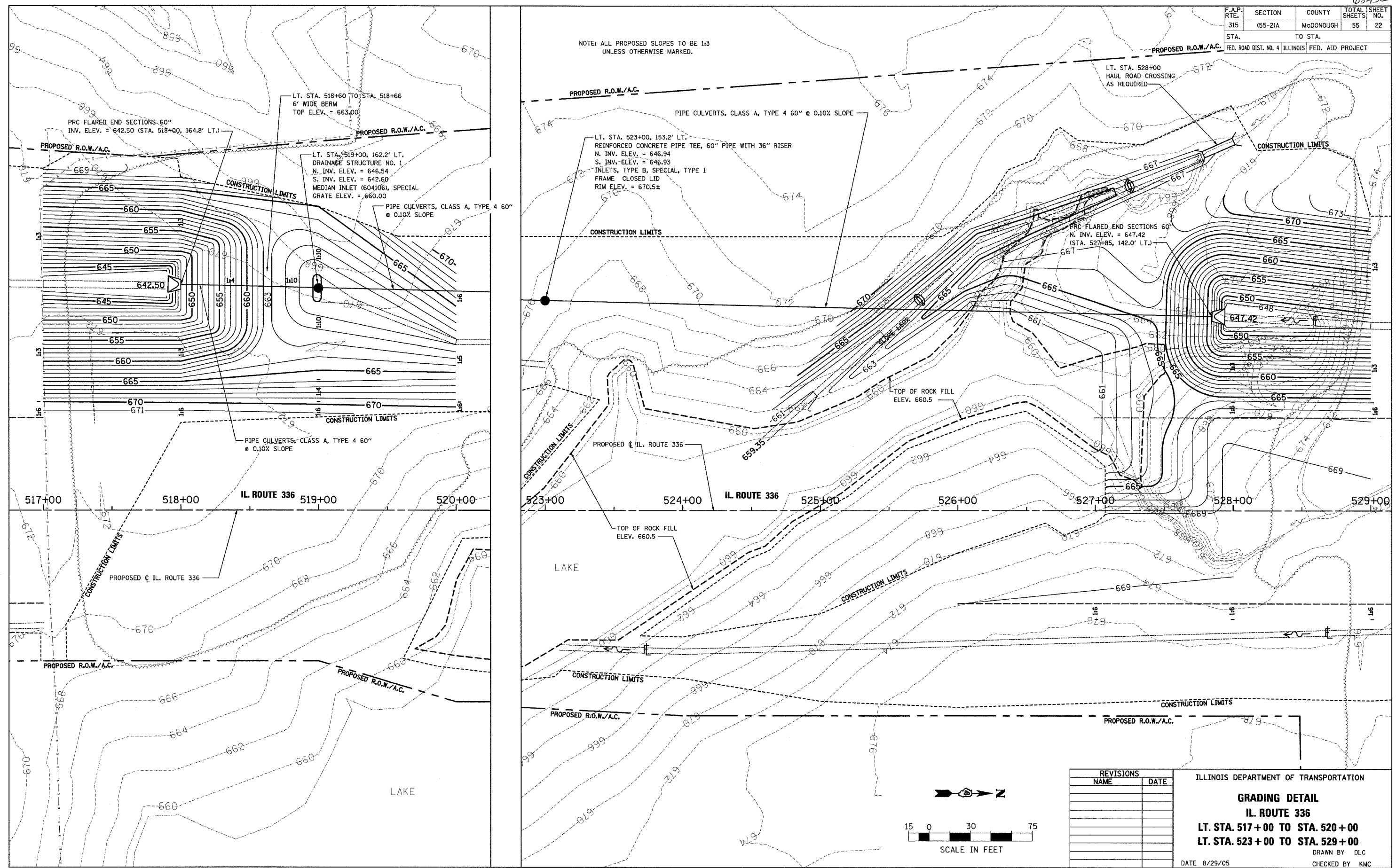
RIGHT OF WAY PLANS
FA RTE. 315 (IL 336)

CONSTRUCTION SECTION: 55-2
 STA. 530+00 TO STA. 559+00
 McDONOUGH COUNTY
 SCALE: 1" = 200'

68152

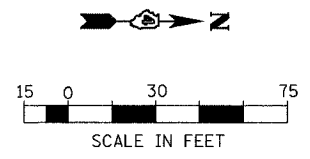
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	22
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

NOTE: ALL PROPOSED SLOPES TO BE 1:3 UNLESS OTHERWISE MARKED.



REVISIONS	
NAME	DATE

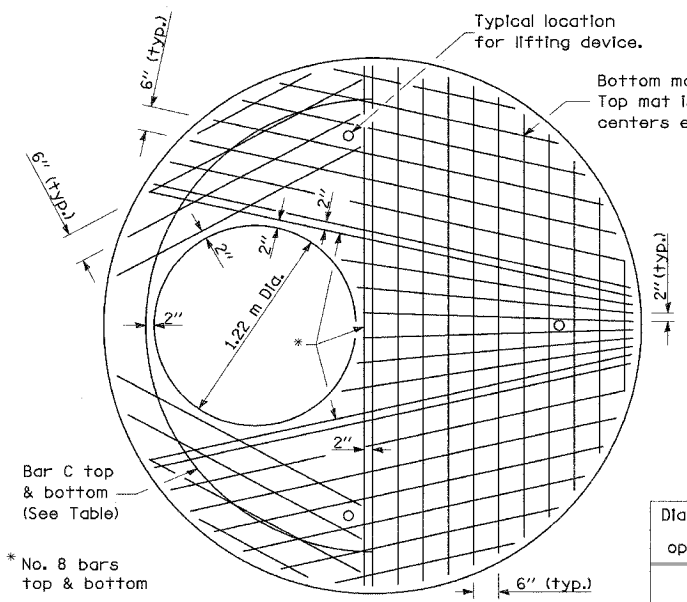
ILLINOIS DEPARTMENT OF TRANSPORTATION
GRADING DETAIL
IL. ROUTE 336
LT. STA. 517+00 TO STA. 520+00
LT. STA. 523+00 TO STA. 529+00
 DRAWN BY: DLC
 CHECKED BY: KMC
 DATE: 8/29/05



LAKE (SHOWN PLAN) 8/29/2005 11:45:50 AM

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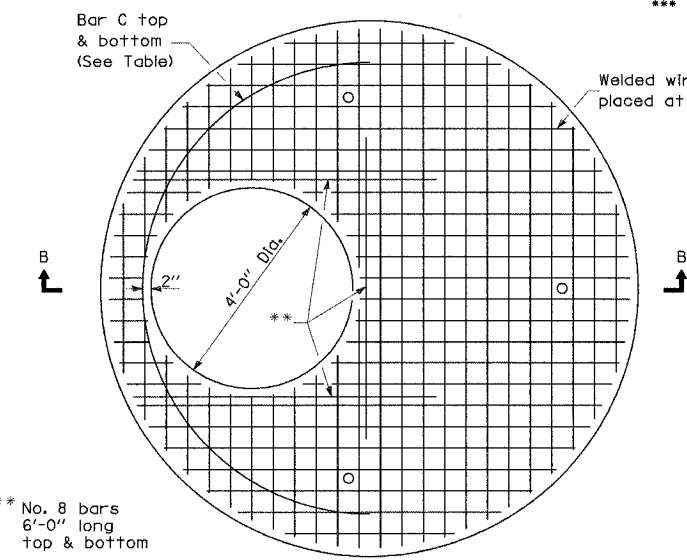
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	23
STA.	TO STA.			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



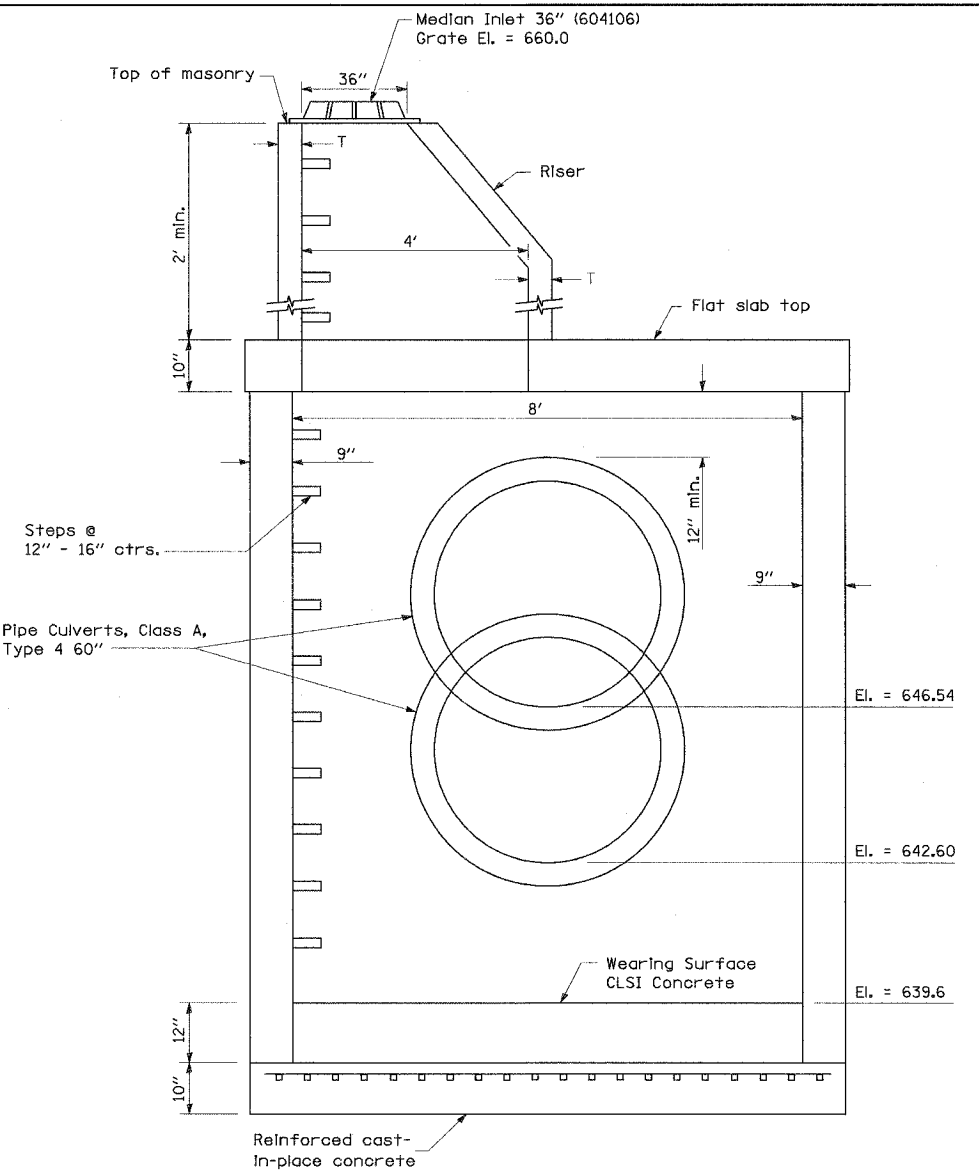
PLAN
Showing Rebar Reinforcement

Diameter of opening	Reinforcement Bar Size	Reinforcement "As" WWF each direction	No. 4 Bar C	
			Length	Radius
4'-0"	Bottom mat No. 8	Bottom mat *** 1.57 sq. in./ft.	12'-6"	4'-0"
	Top mat No. 4	Top mat *** 0.24 sq. in./ft.		

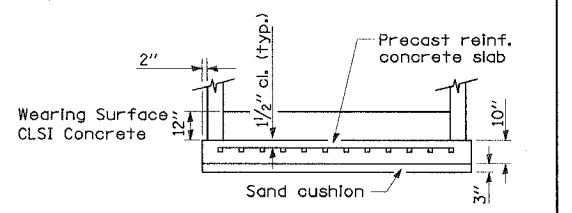
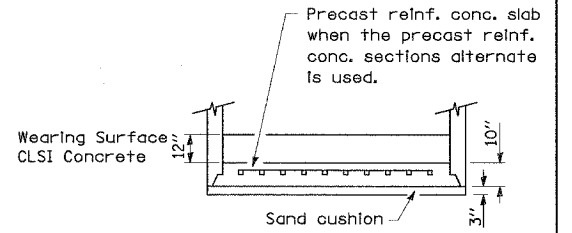
*** A maximum of two layers of welded wire fabric may be used to satisfy the required "As" for each mat.



PLAN
Showing Welded Wire Fabric Reinforcement



ELEVATION
(With Flat Slab Top and Riser)

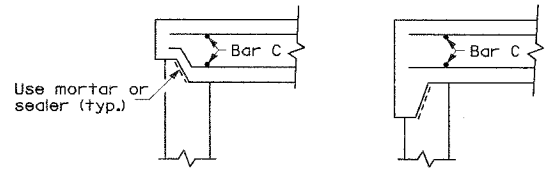


ALTERNATE BOTTOM SLABS

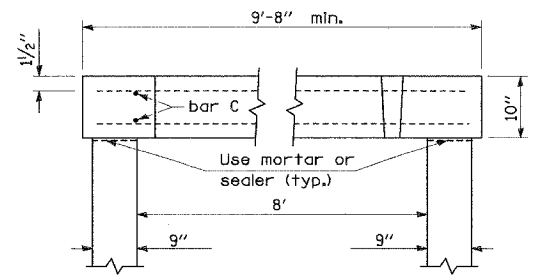
GENERAL NOTES

Joint configuration and dimensions of flat slab top shall match and fit the riser joint detail.
Lifting devices shall be approved by the Engineer.
Bottom slabs shall be reinforced with a minimum of 0.67 sq. in./ft. in both directions.
See Standard 602701 for details of cast iron steps.

ALTERNATE MATERIALS FOR RISER WALLS	T (min)
Concrete Masonry Units	5"
Precast Reinforced Concrete Sections	4"
Cast-In-Place Concrete	6"



ALTERNATE JOINT CONFIGURATIONS



SECTION B-B

DRAINAGE STRUCTURE NO.1 DETAILS

162.2' LT. STA. 519 + 00

NOT TO SCALE

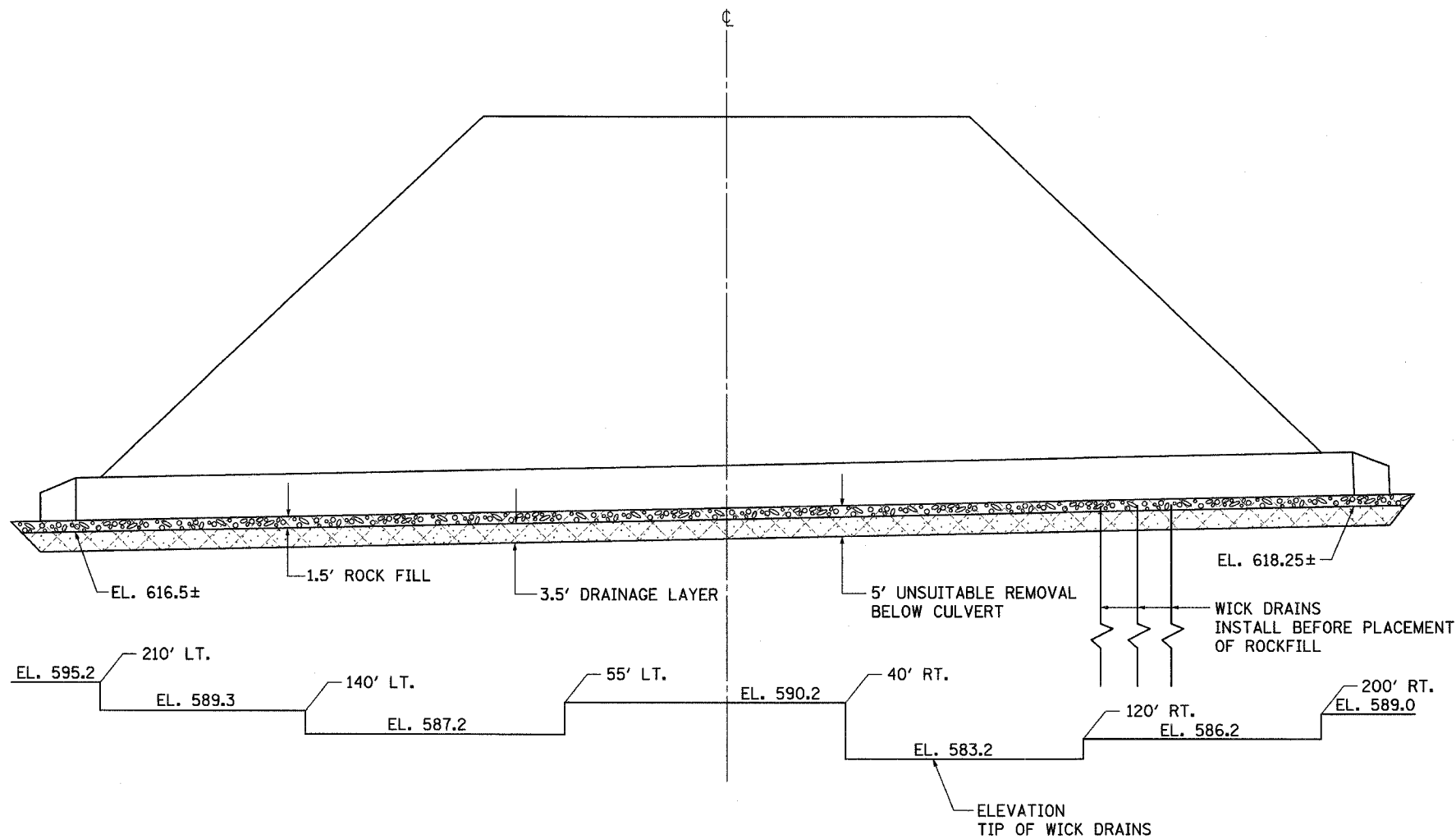
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE STRUCTURE NO. 1 DETAILS
162.2' LT. STA. 519 + 00
IL. ROUTE 336

DATE 8/29/05
DRAWN BY DLC
CHECKED BY KMC

682152

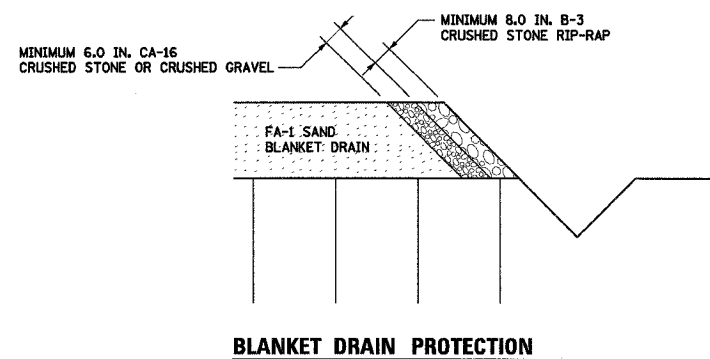
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	MCDONOUGH	55	24
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



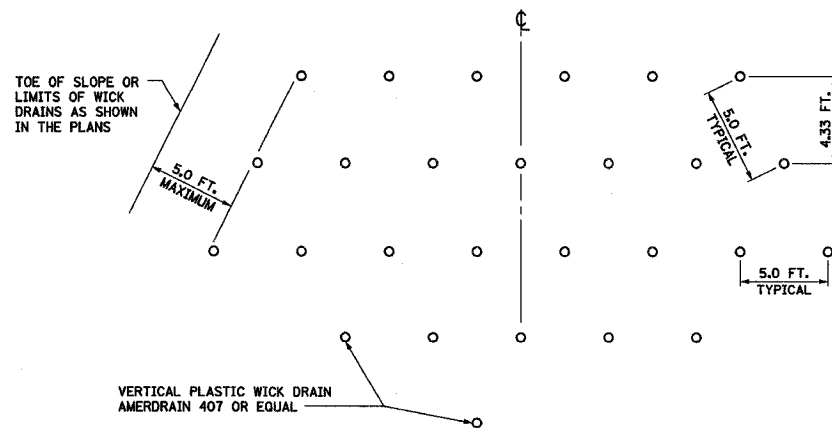
DRAINAGE LAYERS AND WICK DRAINS

CULVERT STA. 510 + 17.89

NOT TO SCALE



BLANKET DRAIN PROTECTION



WICK DRAIN - PLAN VIEW

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOILS TREATMENT DETAILS

CULVERT STA. 510 + 17.89

IL. ROUTE 336

DATE 8/22/99

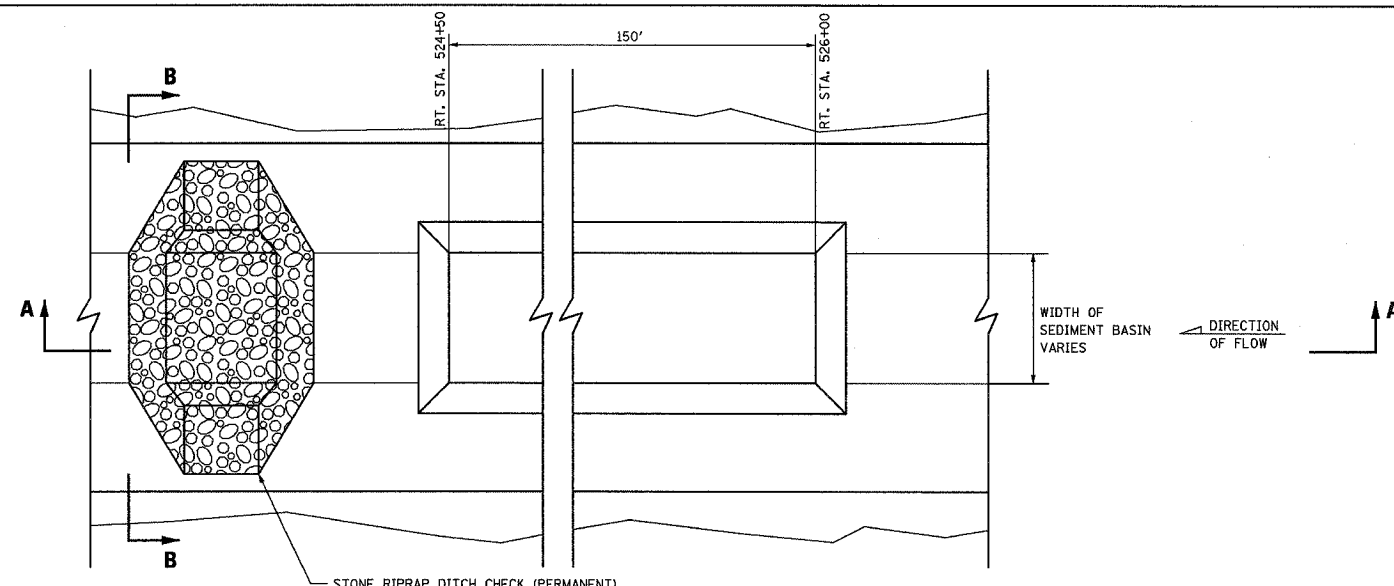
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CHECKED BY DMC

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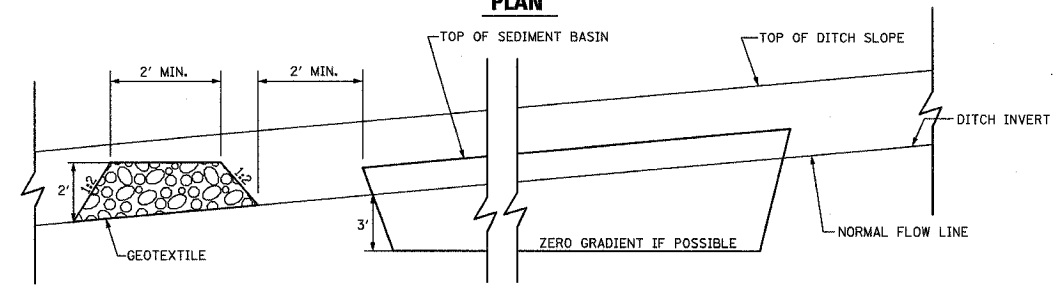
68452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	25
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

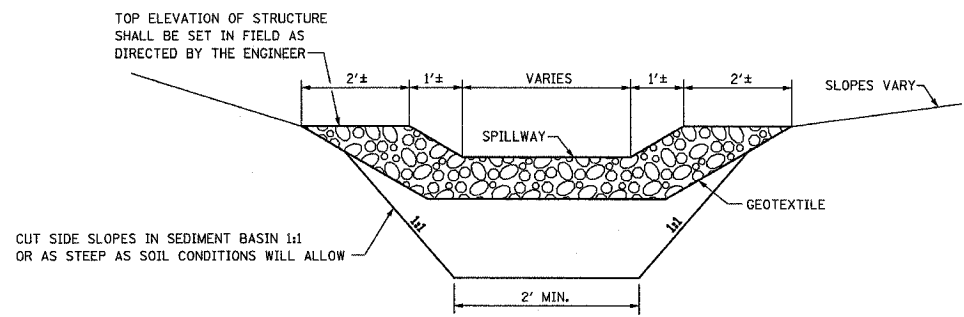


STONE RIPRAP DITCH CHECK (PERMANENT)

PLAN



SECTION A-A



SECTION B-B

NOTES:

1. THE STONE DITCH CHECK SHALL BE INSPECTED AFTER EACH RAIN, AND THE STONE SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, SILT ACCUMULATION AMONG THE STONE, ETC. HOWEVER, IN ANY CASE, THE SILT SHALL BE CLEANED OUT WHEN BASIN IS 50% FULL.
2. GEOTEXTILE TO MEET REQUIREMENTS OF ART. 1080.03
3. GRADATION RR3 OR RR4 SHALL BE USED FOR THE PERMANENT DITCH CHECK.
4. SEDIMENT BASIN TO REMAIN IN PLACE AT END OF THIS CONTRACT.

SEDIMENT BASIN

RT. STA. 524 + 50 TO STA. 526 + 00
NOT TO SCALE

REVISIONS	
NAME	DATE

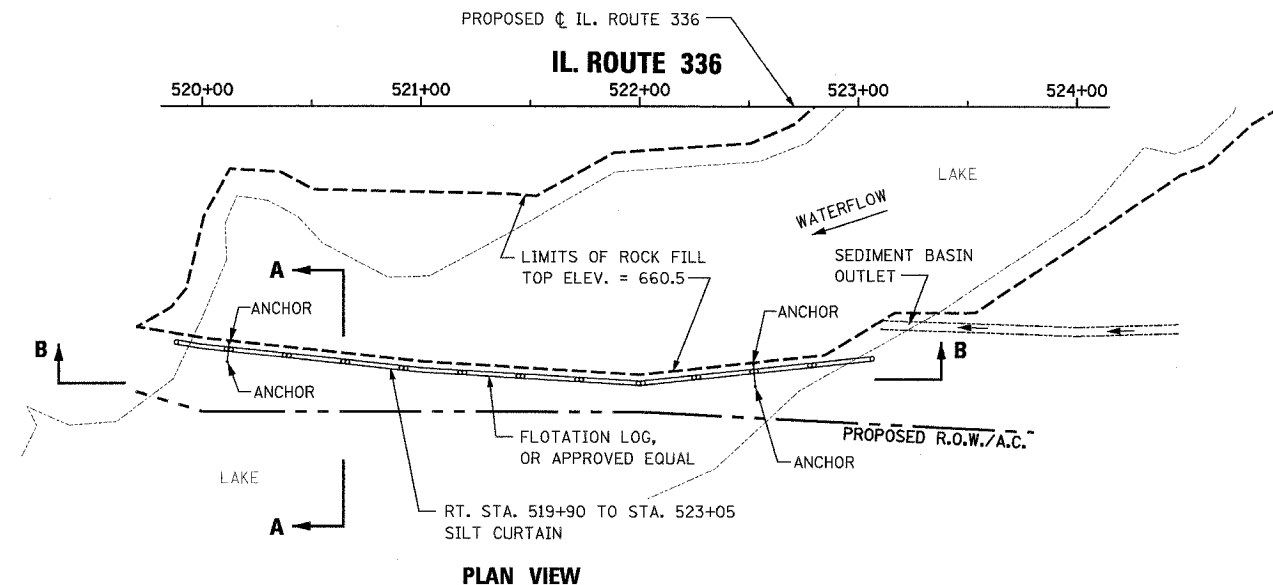
ILLINOIS DEPARTMENT OF TRANSPORTATION
SEDIMENT BASIN DETAILS
RT. STA. 524 + 50 TO STA. 526 + 00
IL. ROUTE 336

DATE: 8/22/90/504
DRAWN BY: MGM
CHECKED BY: DMC

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68452

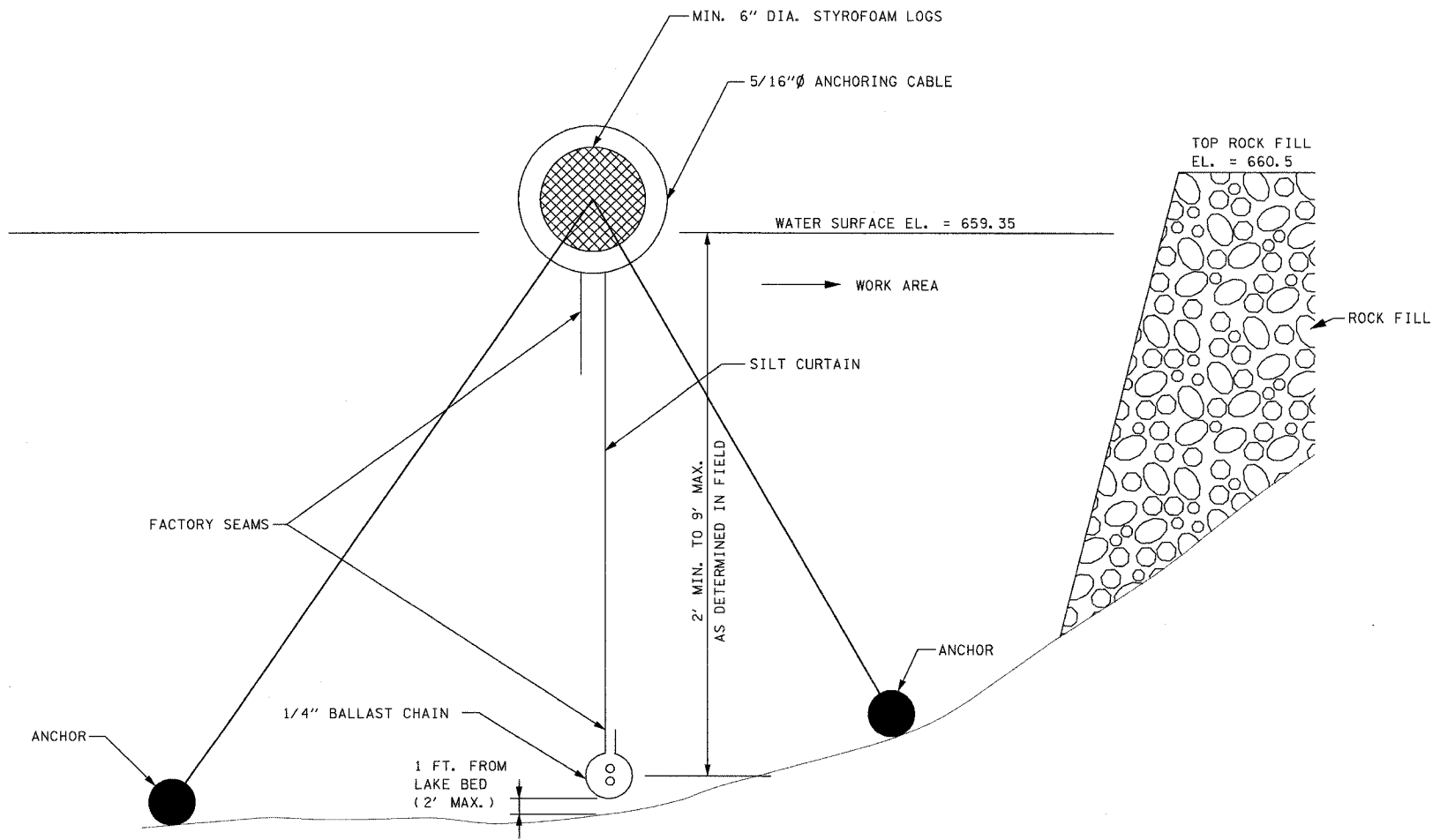
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



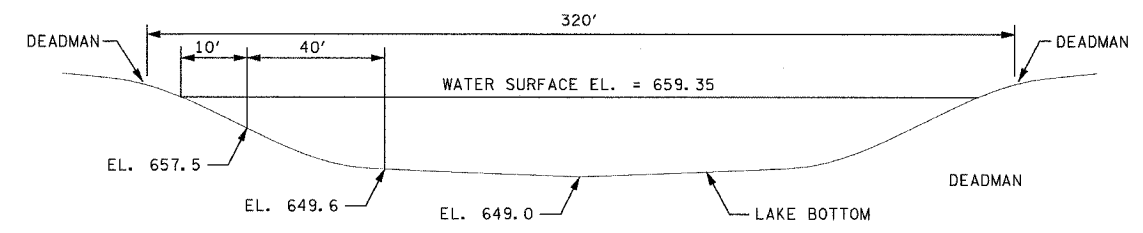
PLAN VIEW

GENERAL NOTES

1. THE FLOTATION BOOM SHALL BE INSTALLED IN SUCH A MANNER AS TO PREVENT DRIFT SHOREWARD OR DOWNSTREAM. THE FLOTATION LOG SHALL BE ATTACHED TO THE FABRIC IN BOTH THE HORIZONTAL AND VERTICAL DIRECTIONS.
2. CONNECTORS SHALL JOIN THE MAIN LOAD LINE AND BALLAST CHAIN TO CARRY TENSILE PRESSURE. THE FABRIC SHALL BE JOINED FOR ITS ENTIRE LENGTH.
3. THE ENDS OF THE SILT CURTAIN SHALL BE SECURELY EMBEDDED INTO THE SHORELINE TO FULLY ENCLOSE THE AREA WHERE SEDIMENT MAY ENTER THE WATER BY USE OF A POST AND DEAD MAN OR OTHER METHOD APPROVED BY THE ENGINEER.
4. BOTTOM ANCHORS SHALL BE USED TO HOLD THE SILT CURTAIN IN PLACE. ANCHORS SHALL DIG INTO THE BOTTOM OR BE OF SUFFICIENT WEIGHT TO HOLD THE CURTAIN IN PLACE. ANCHORS ARE TO BE ATTACHED BY A LINE TO THE FLOTATION DEVICE. MANUFACTURERS RECOMMENDATIONS SHALL BE FOLLOWED FOR THE NUMBER AND SPACING OF THE ANCHORS. IF NO SPACING RECOMMENDATION IS GIVEN AN ANCHOR SHALL BE PLACED AT 50 FOOT INTERVALS.
5. THE SILT CURTAIN SHALL BE CONSTRUCTED FROM HEAVY WOVEN FABRIC TO ALLOW WATER TO PASS THROUGH THE BARRIER YET CONTAIN THE SEDIMENT, MEETING THE REQUIREMENTS OF ART. 1080.02 FOR SILT FILTER FENCE AND THE FOLLOWING:
 - a. ALL SEAMS OF EACH SECTION SHALL BE HEAT SEALED OR SEWN
 - b. SECTIONS OF CURTAIN SHALL BE SECURELY CONNECTED TO EACH OTHER IN SUCH A MANNER AS TO CONTAIN THE SEDIMENT. CONNECTIONS SHOULD FOLLOW MANUFACTURERS RECOMMENDATION AS APPROVED BY THE ENGINEER.
 - c. FLOTATION - 6" MIN. DIAMETER SOLID EXPANDED POLYSTYRENE LOG TYPE OR APPROVED EQUAL, CONTAINED IN INDIVIDUAL COLLARS OR SLEEVES. POLYSTYRENE BEADS OR CHIPS WILL NOT BE ALLOWED. BUOYANCY PROVIDED BY THE FLOTATION UNITS SHALL BE ADEQUATE TO SUPPORT THE CURTAIN AND MAINTAIN A FREEBOARD OF 3 INCHES ABOVE THE WATER SURFACE.
 - d. TOP LOAD LINE - 5/16" CABLE.
 - e. BOTTOM LOAD LINE - MINIMUM OF 1/4 INCH CHAIN, OR AS RECOMMENDED BY THE MANUFACTURER TO ACT AS A BALLAST TO HOLD THE CURTAIN IN A VERTICAL POSITION.
6. SILT CURTAIN LENGTH AND HEIGHT SHOULD BE VERIFIED TO FIT EXISTING FIELD CONDITIONS.



SECTION A-A



SECTION B-B

SILT CURTAIN
RT. STA. 519 + 50 TO STA. 523 + 05
 NOT TO SCALE

REVISIONS	
NAME	DATE

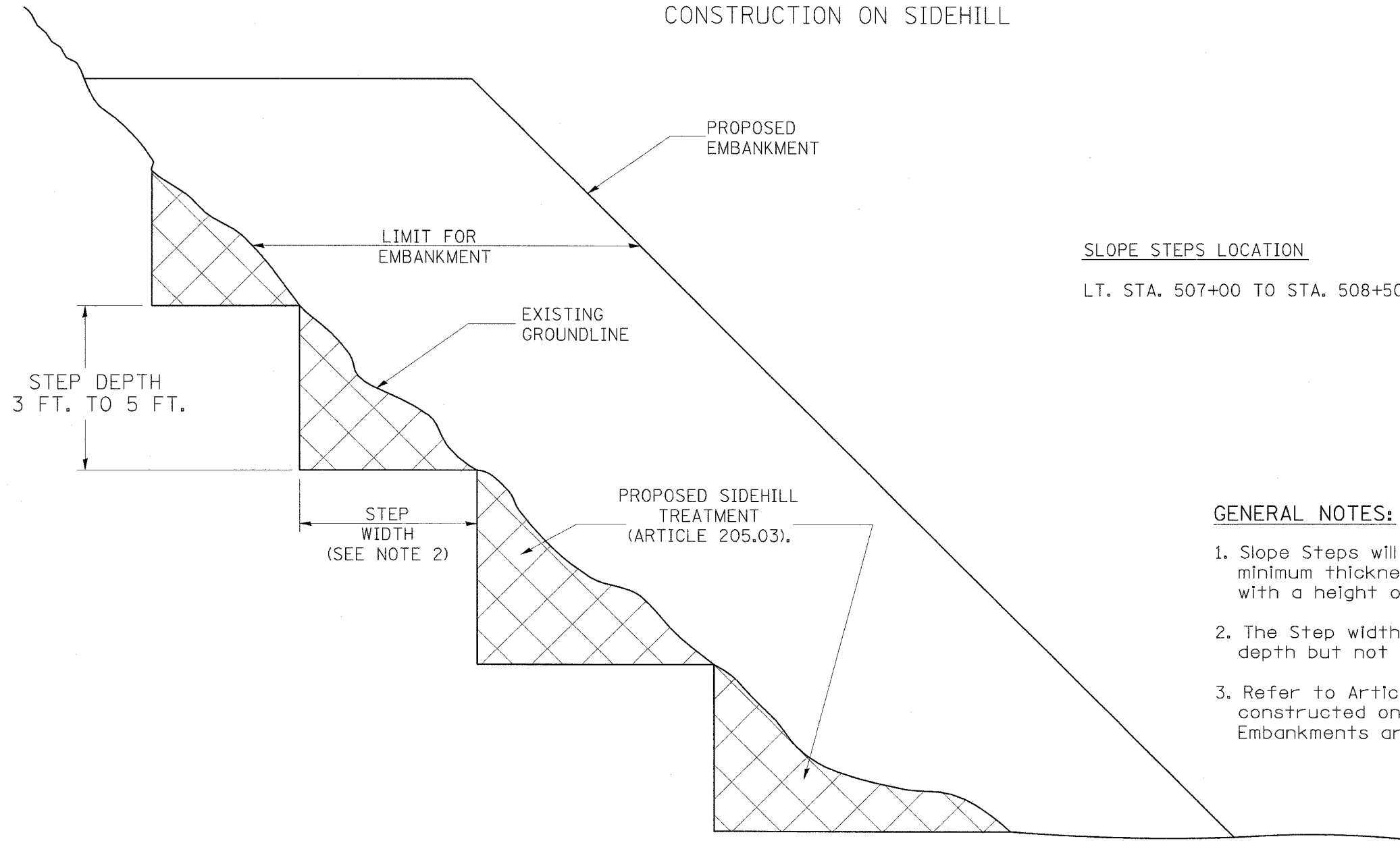
ILLINOIS DEPARTMENT OF TRANSPORTATION
SILT CURTAIN DETAILS
RT. STA. 519 + 50 TO STA. 523 + 05
IL. ROUTE 336
 DRAWN BY MGM
 CHECKED BY DMC
 DATE 02/29/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 600 NORTH LAKE STREET
 SPRINGFIELD, ILLINOIS 62761-3000
 TEL: 217/243-1000
 FAX: 217/243-1001
 WWW: www.transportation.state.il.us

68452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	27
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SLOPE STEPS DETAIL TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



SLOPE STEPS LOCATION
LT. STA. 507+00 TO STA. 508+50

GENERAL NOTES:

1. Slope Steps will be required for all 300(12) minimum thickness "silver fills" and on a fills with a height of 3.0m(10').
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

DESIGNER NOTE:
 1. EACH PROJECT SHOULD BE REVIEWED INDEPENDENTLY FOR TREATMENT REQUIRED.
 2. REFER TO THIS DETAIL WITH NOTE ON APPLICABLE TYPICAL SECTIONS.

REPLACEMENT MATERIAL:
 STANDARD EMBANKMENT
 (IN ACCORDANCE WITH 205 OF THE STANDARD SPECIFICATION).

All dimensions are in millimeters
(Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

DATE	REVISIONS	BY
1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE BOX, REVISED GENERAL NOTES.	T.P.

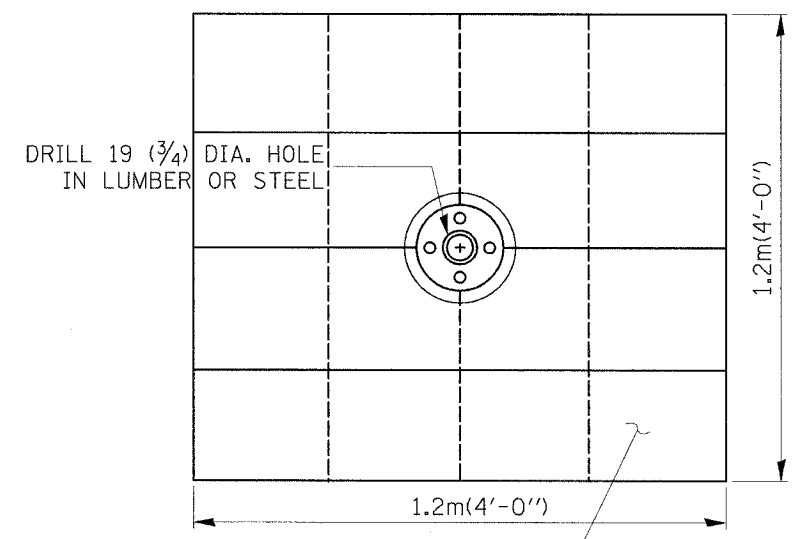
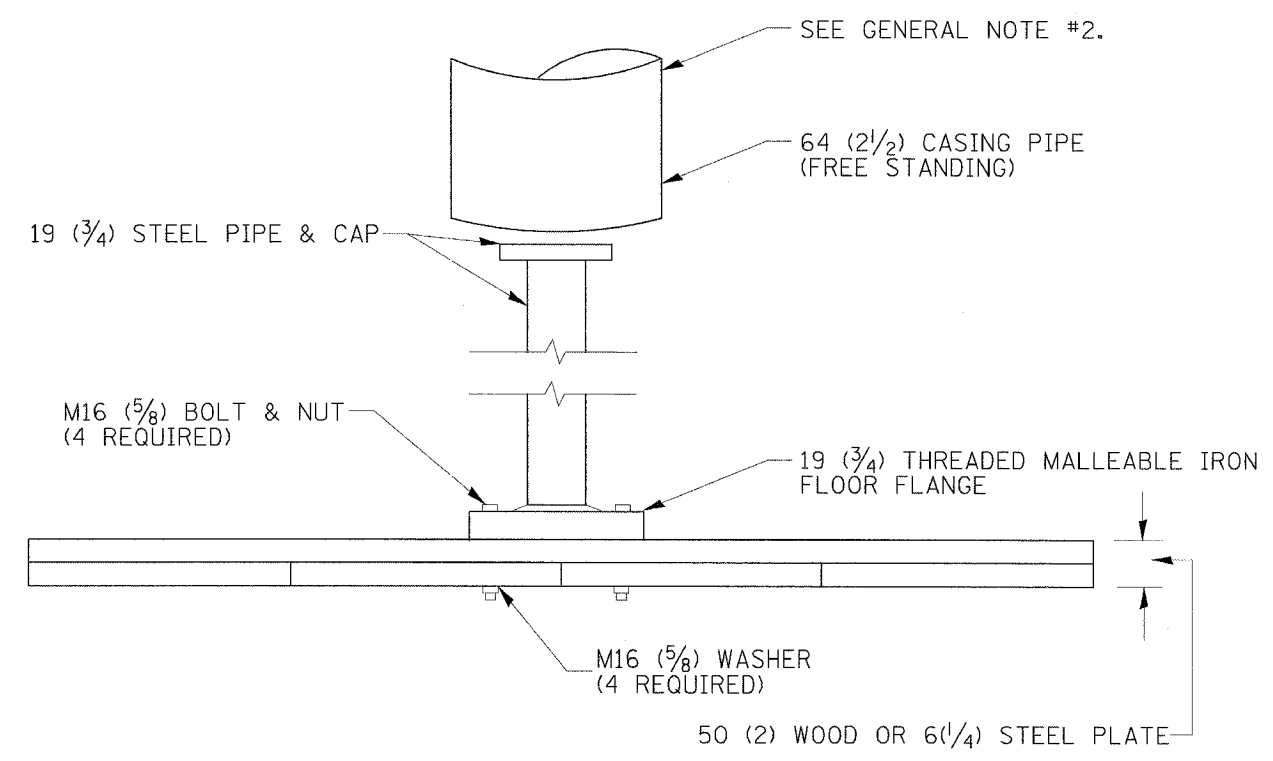
**SLOPE STEPS
DETAIL**

CADD STD. NO. 205001-D4
 SCALE: NOT DRAWN TO SCALE
 DATE **DATE**
 DRAWN BY CADD
 CHECKED BY

205001-D4

68452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	155-21A	McDONOUGH	55	28
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



SOUND LUMBER - 25(1) x 300(12) NAILED TOGETHER OR 6(1/4) THICK BY 1.2m(4') SQUARE STEEL PLATE

GENERAL NOTES:

1. Settlement Platform shall be in accordance with the applicable portions of Article 204.06 of the Standard Specifications.
2. Do Not install casing pipe until after one section of 19 mm(3/4") has been covered with earth. The casing pipe should not rest on platform.

DESIGNER NOTES:
 1. SEE SOILS REPORT AND BUREAU OF MATERIALS FOR USAGE, LOCATIONS, AND SETTLEMENT RATES.
 2. CONSIDER USE ON BRIDGE EMBANKMENT AND OTHER SETTLEMENT SENSITIVE FILLS.
 3. THIS DRAWING ALLOWS FOR WOODBASE PLATE OPTION.

\$\$\$DATE\$\$\$

All dimensions are in millimeters (Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT CADD STANDARD

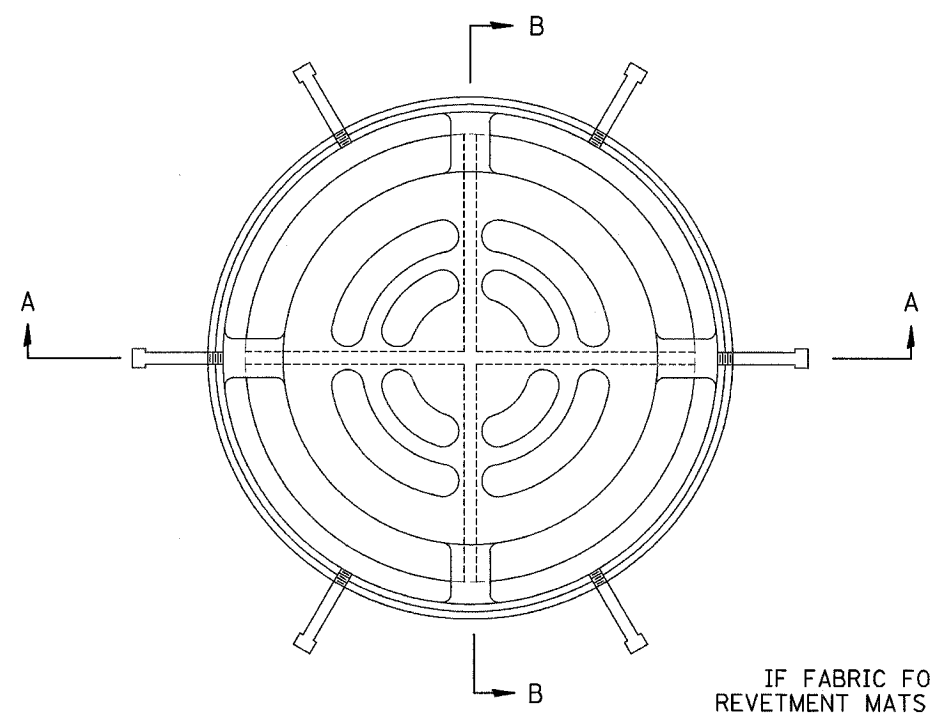
DATE	REVISIONS	BY
1-1-97	RENUM. L-5.04, NEW REVISION BOX, REVISED NOTES, REVISED TITLE BOX	T.P.
4-14-99	ADDED "CASING PIPE" REQUIREMENT	J.A.
5-19-99	CORRECTIONS TO CASING PIPE	J.A.
8-23-01	UPDATE FOR NEW SPEC	M.A.

SETTLEMENT PLATFORM
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 DATE \$\$\$DATE\$\$\$
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 CHECKED BY

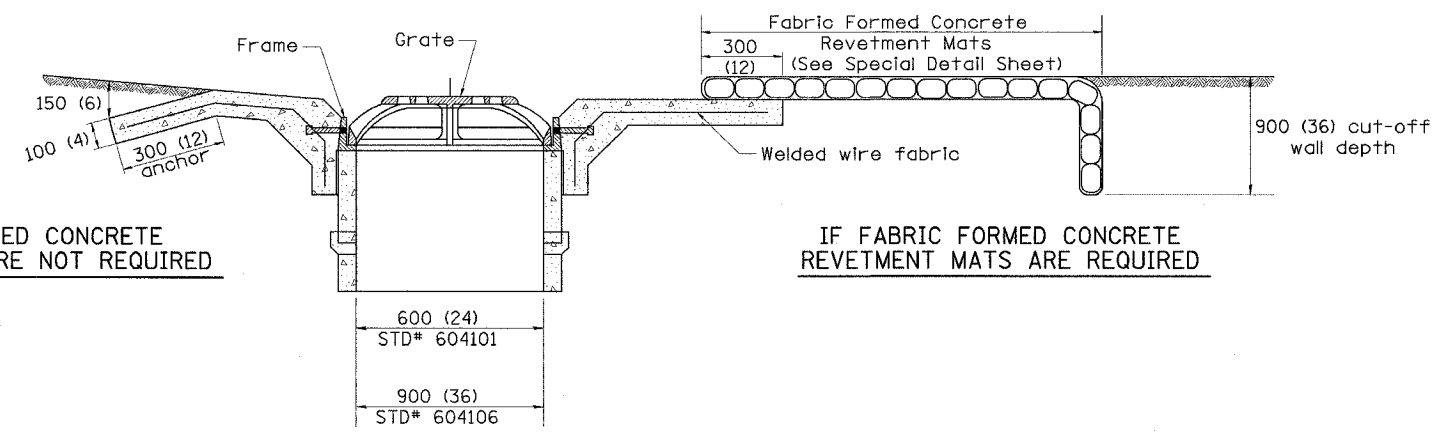
205101-D4

68452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	MCDONOUGH	55	29
STA.	TO STA.			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



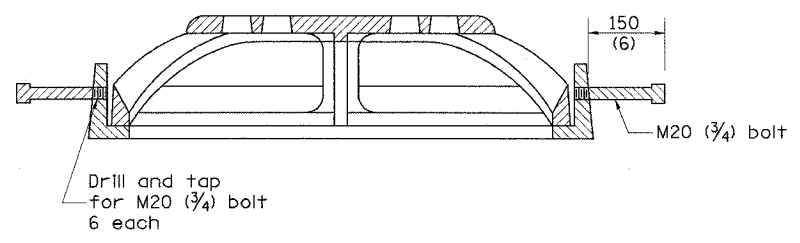
PLAN
(STD# 604101 & 604106)



IF FABRIC FORMED CONCRETE REVETMENT MATS ARE NOT REQUIRED

IF FABRIC FORMED CONCRETE REVETMENT MATS ARE REQUIRED

SECTION B-B
(STD# 604101 & 604106)



SECTION A-A
(STD# 604101 & 604106)

GENERAL NOTES

- The applicable portions of Highway Standards 604101 and/or 604106 shall apply, except as noted herein.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
DATE	REVISIONS
1-1-97	RENUM. B-4.09, NEW REVISION BOX, REVISED DESIGNER NOTES.
BY	T.P.
MEDIAN INLET (604101), SPECIAL AND MEDIAN INLET (604106), SPECIAL	
CADD STANDARD 604101-D4	
SCALE NOT TO SCALE	DRAWN BY CADD
DATE **DATE**	CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. B-4.09, NEW REVISION BOX, REVISED DESIGNER NOTES.	T.P.

Designer Notes: 1. This is to be used to supplement Standard 604101 and/or 604106
 2. If fabric formed concrete revetment mats are used, include District CADD drawing.
 3. Include District Special Provision.
 DATE

DGN-ONLY

604101-D4

68452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	30
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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FINAL SURVEY

BY _____ DATE _____

SURVEYED _____

NOTE BOOK _____

NO. _____

PLotted _____

AREAS CHECKED _____

ORIGINAL SURVEY

BY _____ DATE _____

SURVEYED _____

NOTE BOOK _____

NO. _____

Plotted _____

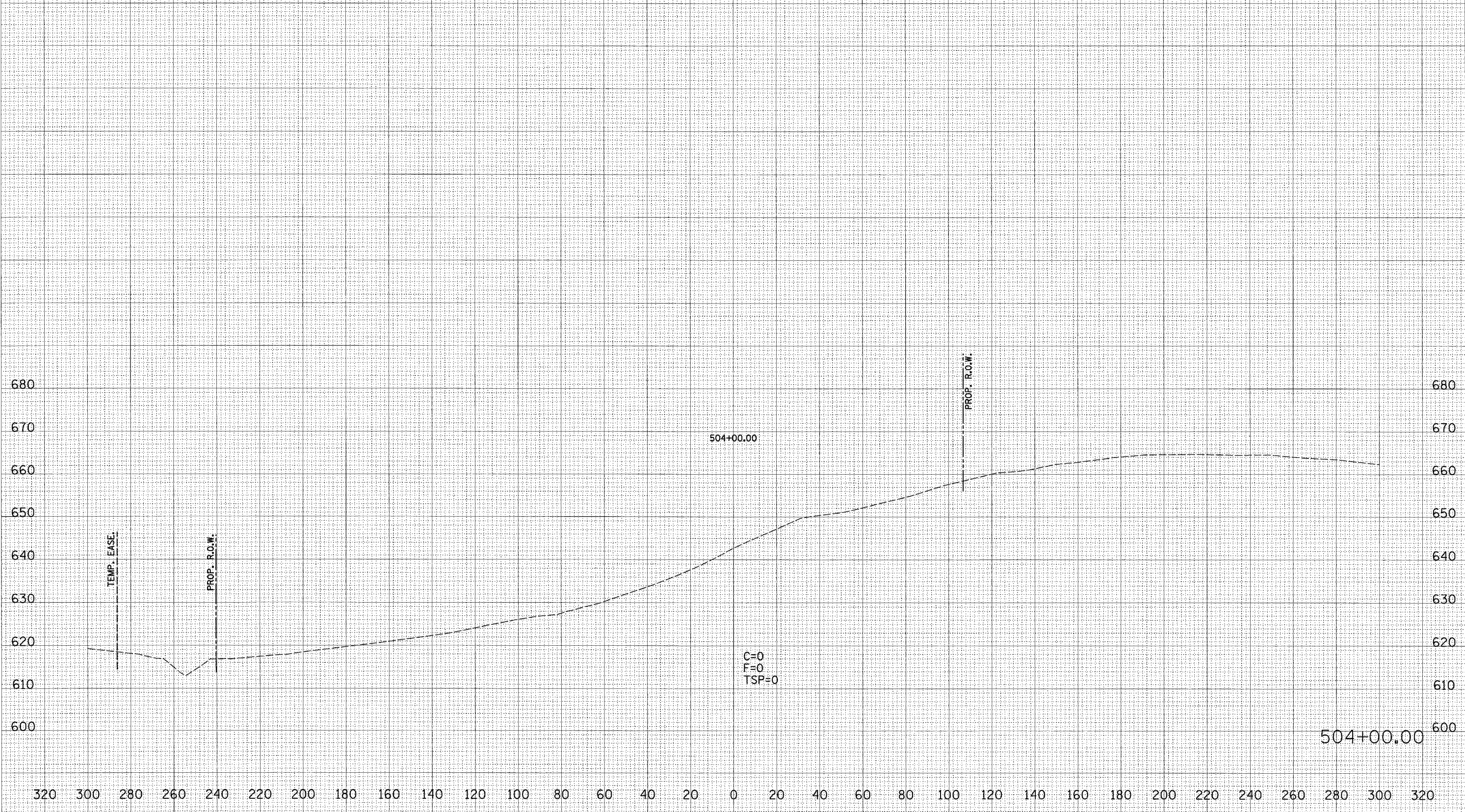
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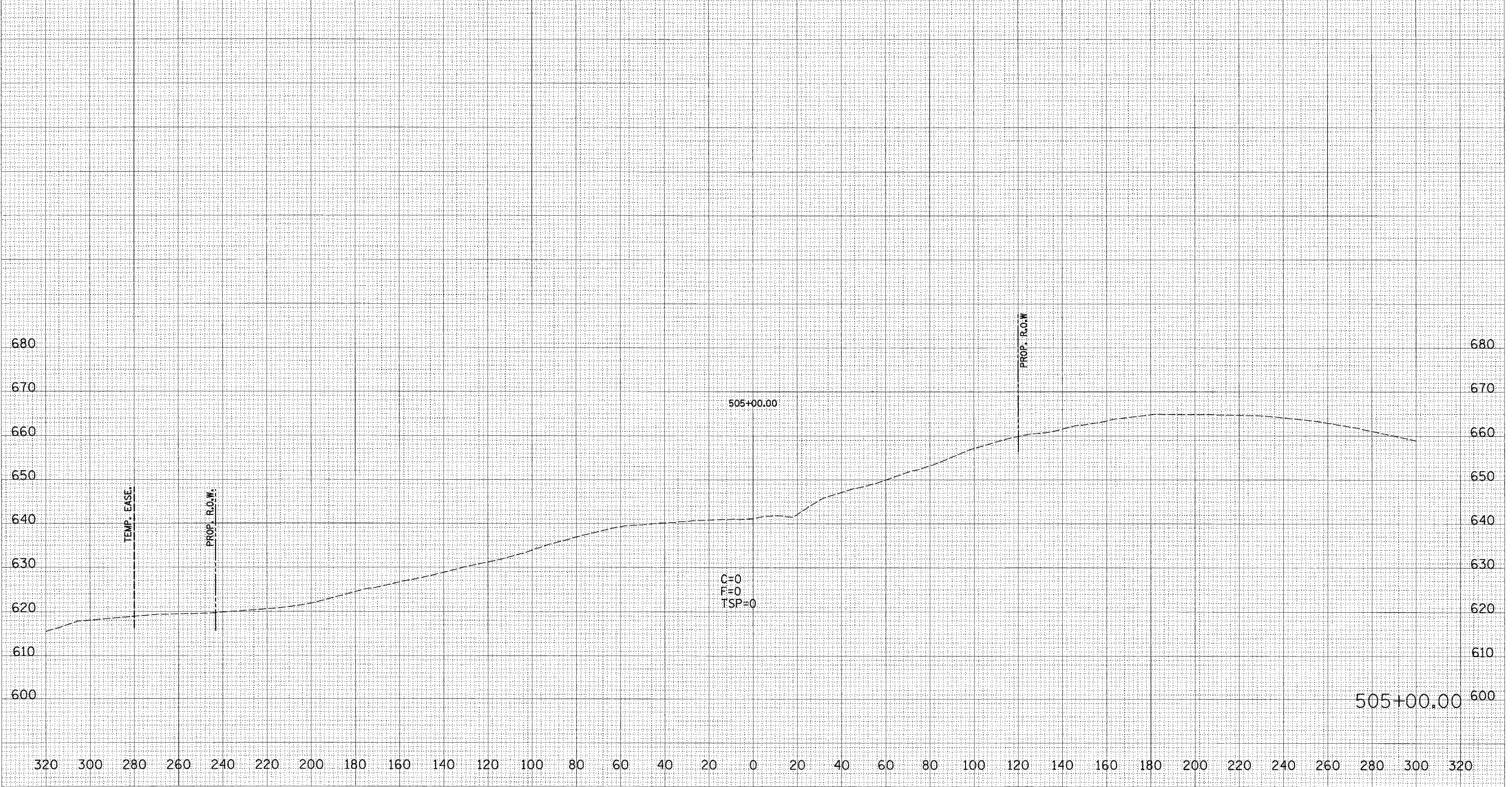
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
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CROSS SECTIONS - IL ROUTE 336

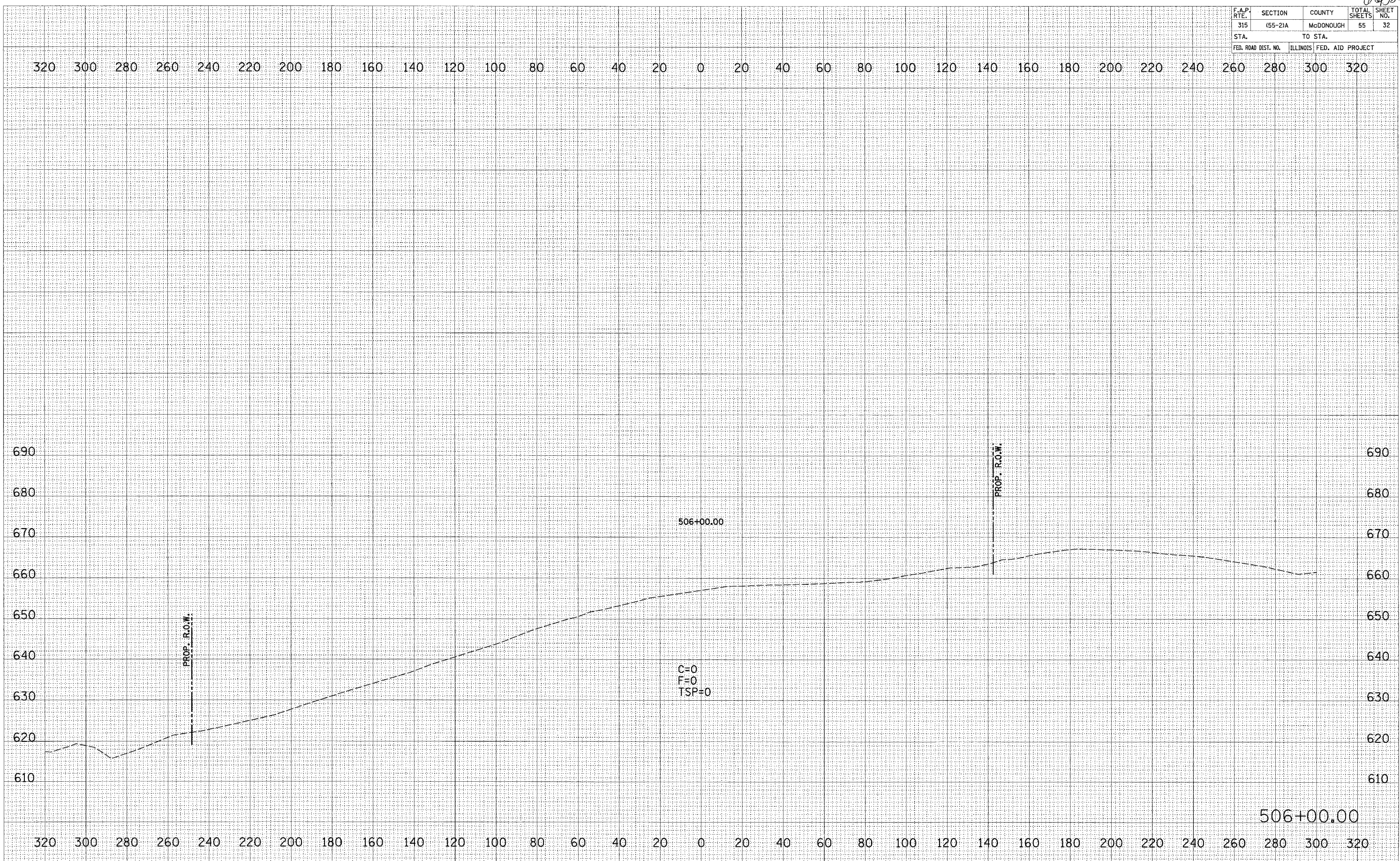
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	DATE
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NOTE BOOK NO.	PLOTTED	
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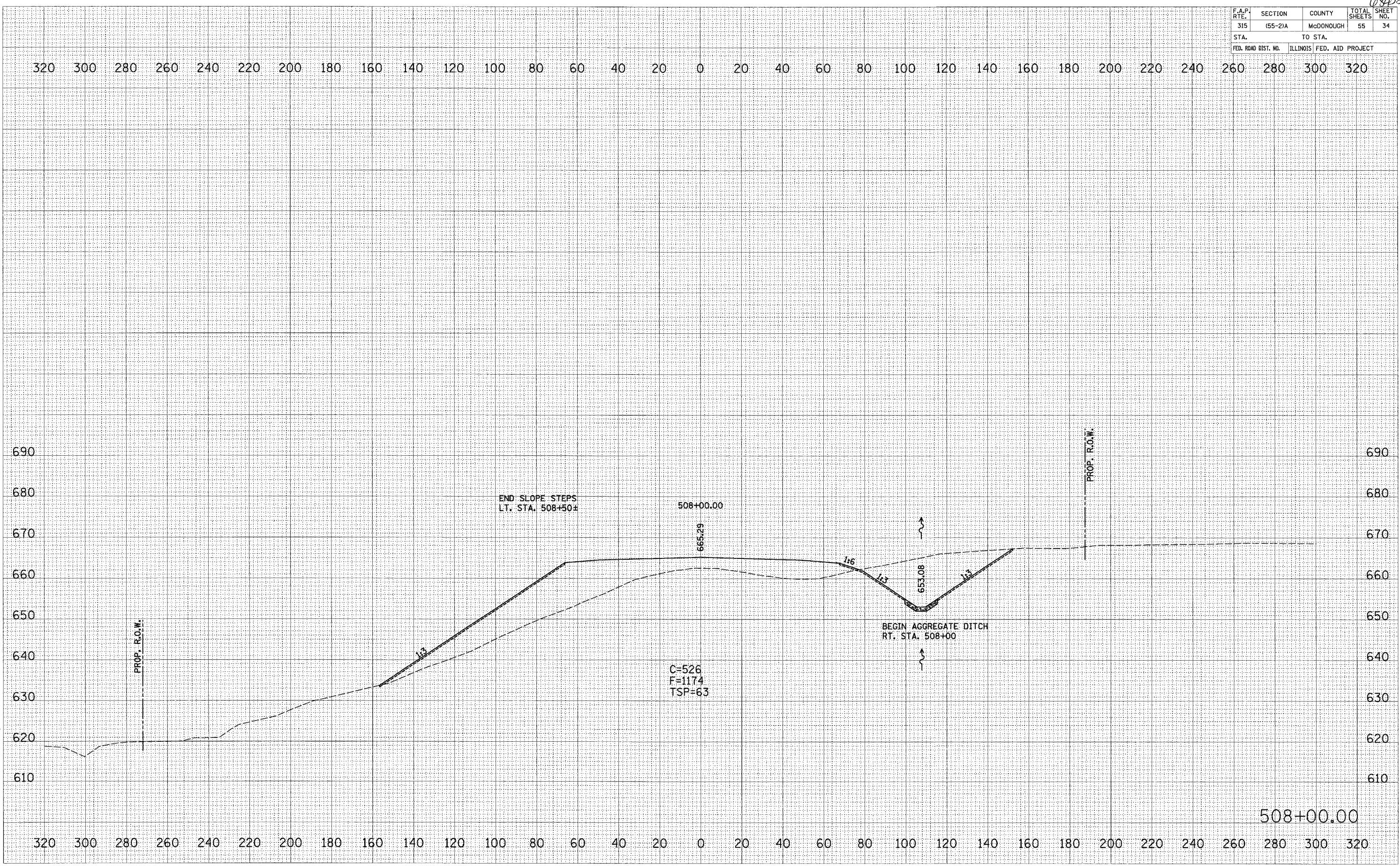
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	155-21A	McDONOUGH	55	34
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	REPLATE		
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NOTE BOOK NO.	PLOTTED		
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CROSS SECTIONS - IL. ROUTE 336

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108452

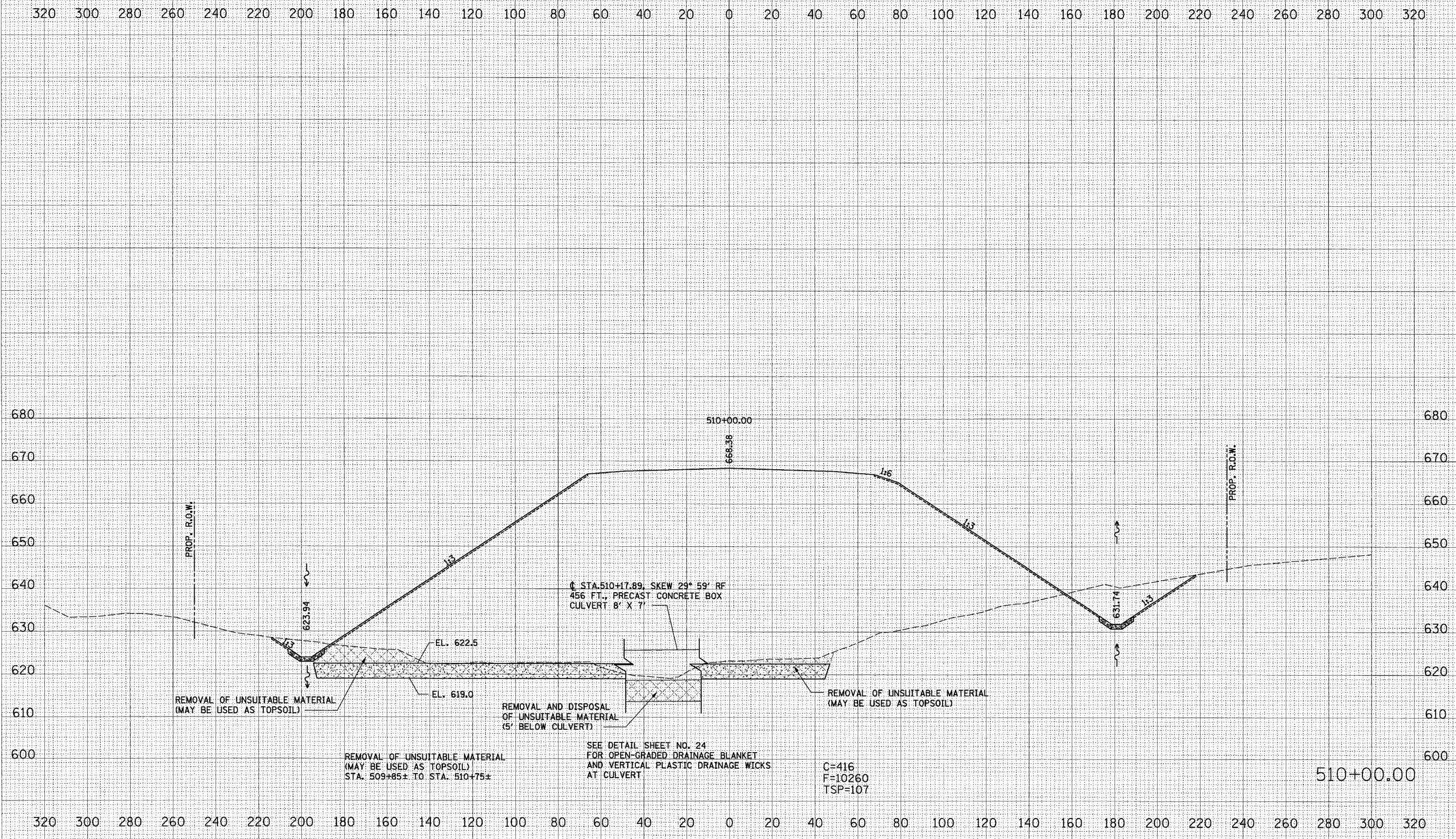
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	AREAS CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	AREAS CHECKED

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CROSS SECTIONS - IL. ROUTE 336

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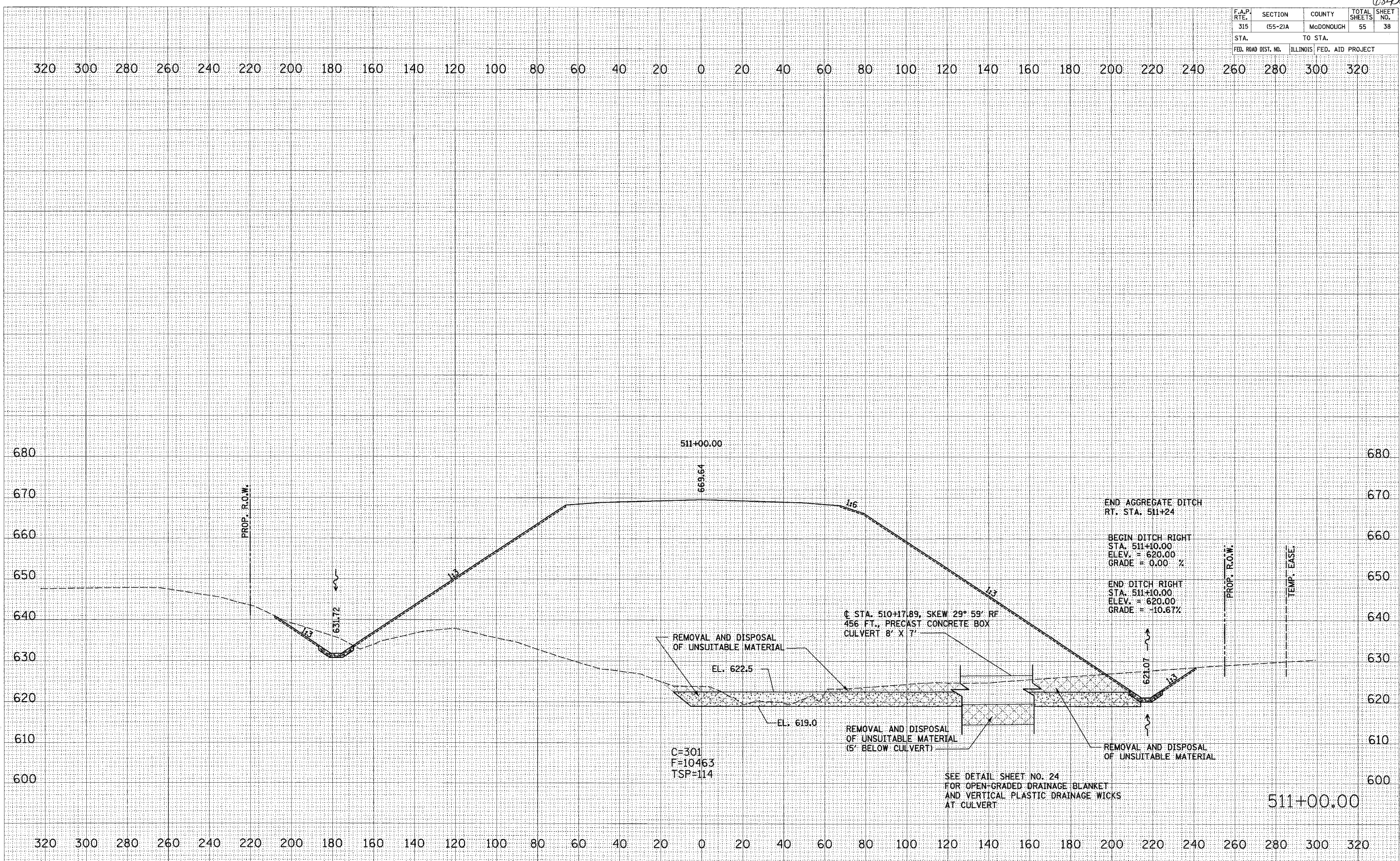
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	38
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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NOTE BOOK NO.	PLOTTED	
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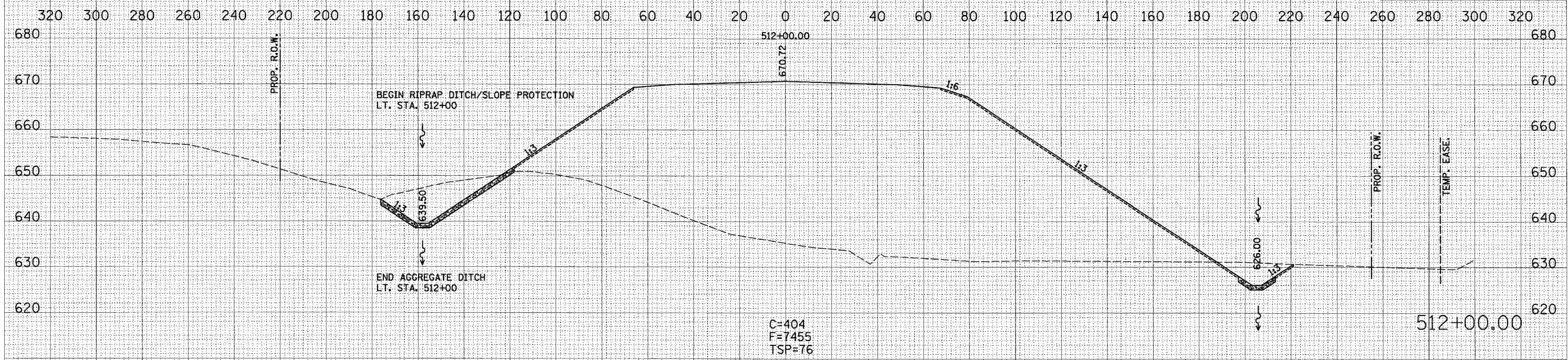
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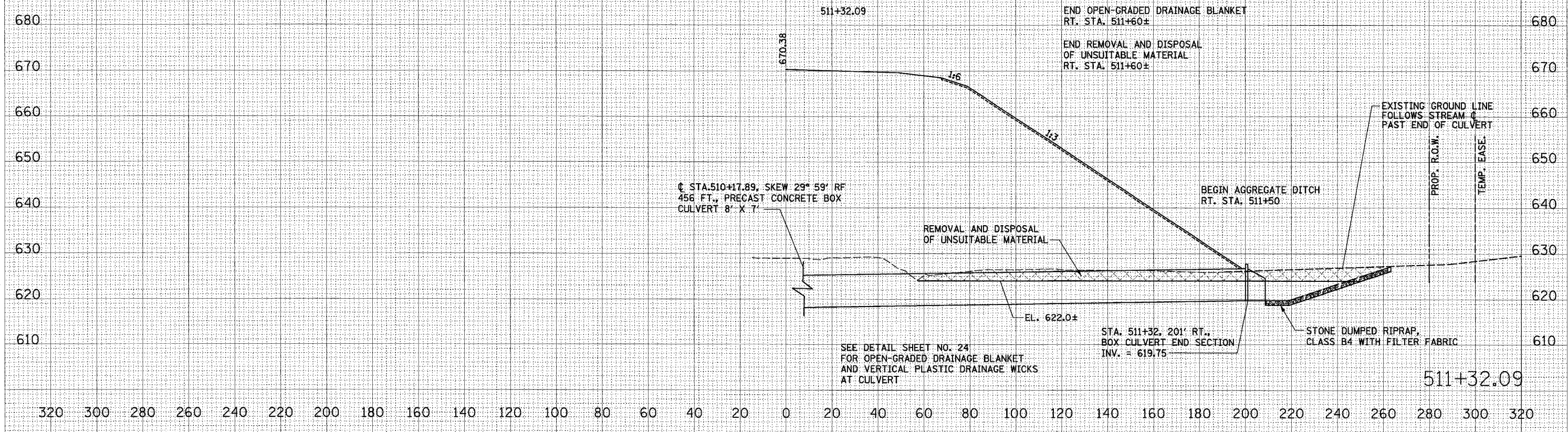
68153

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
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CROSS SECTIONS - IL. ROUTE 336

68452

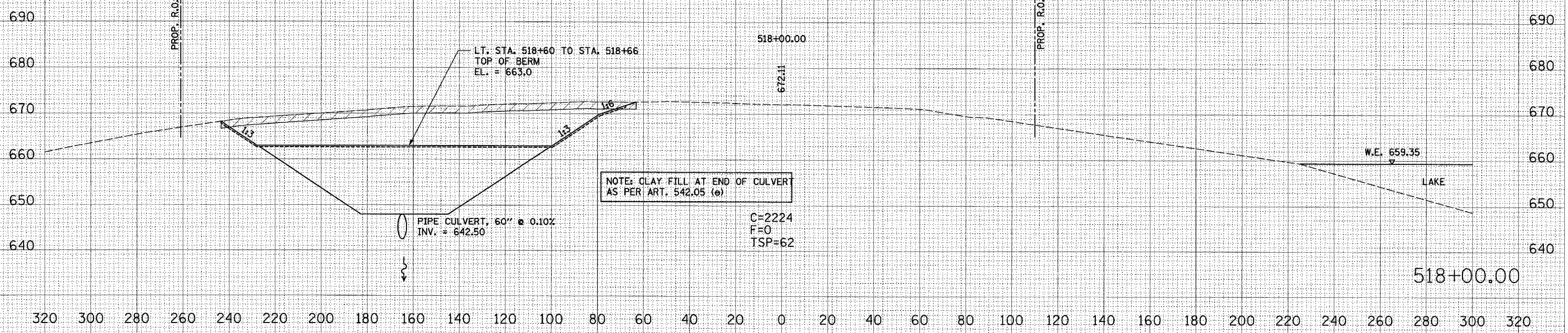
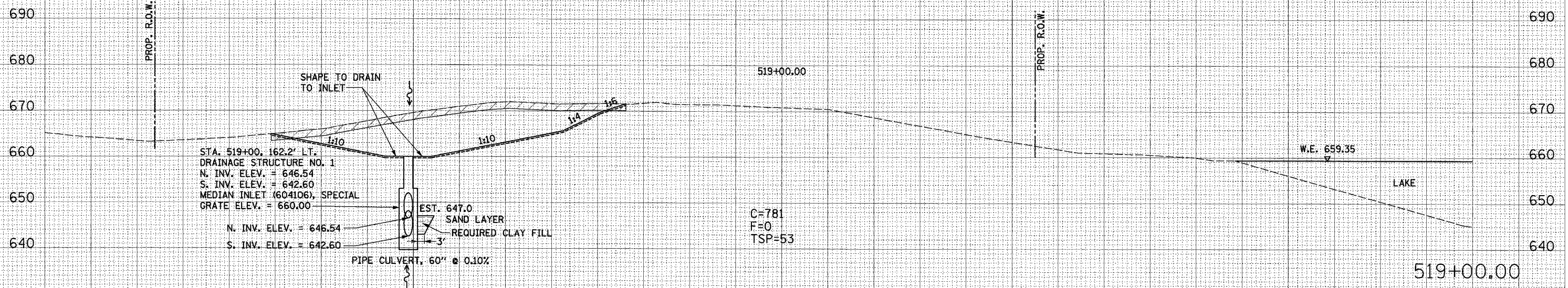
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315	155-21A	McDONOUGH	55	43
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY

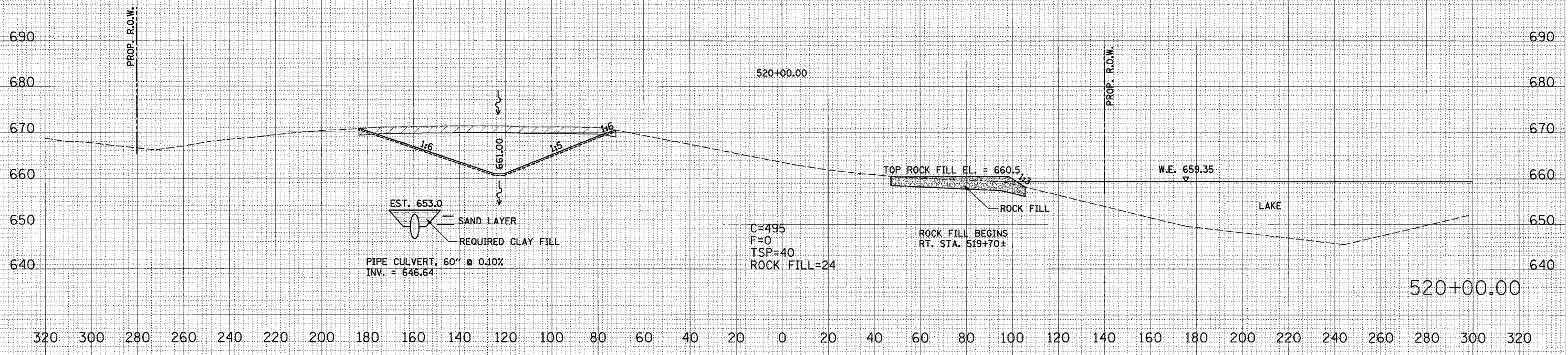
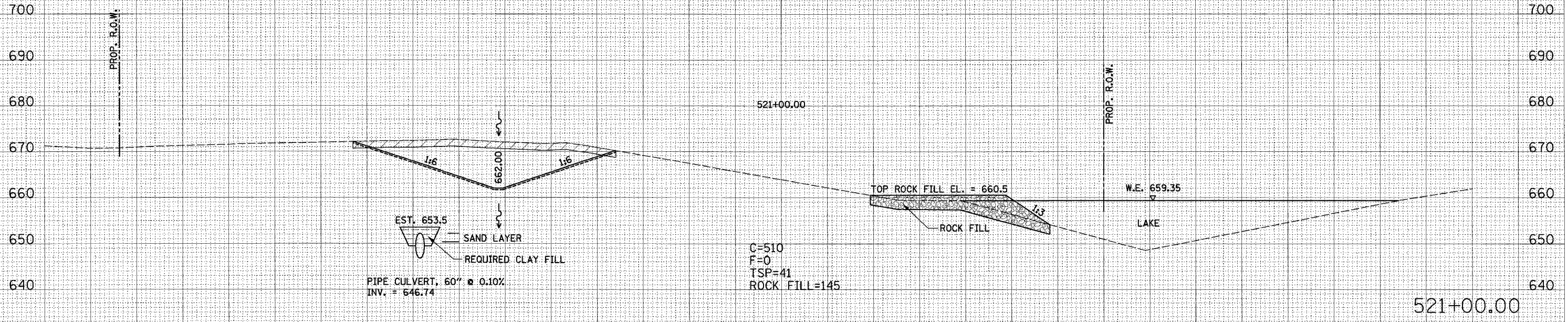
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68452

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	44
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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320 300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320

DATE
BY
SURVEY PLOTTED
NOTE BOOK
AREAS CHECKED

DATE
BY
ORIGINAL SURVEY PLOTTED
NOTE BOOK
AREAS CHECKED

DATE
FILE NAME
PLOT SCALE
USER NAME

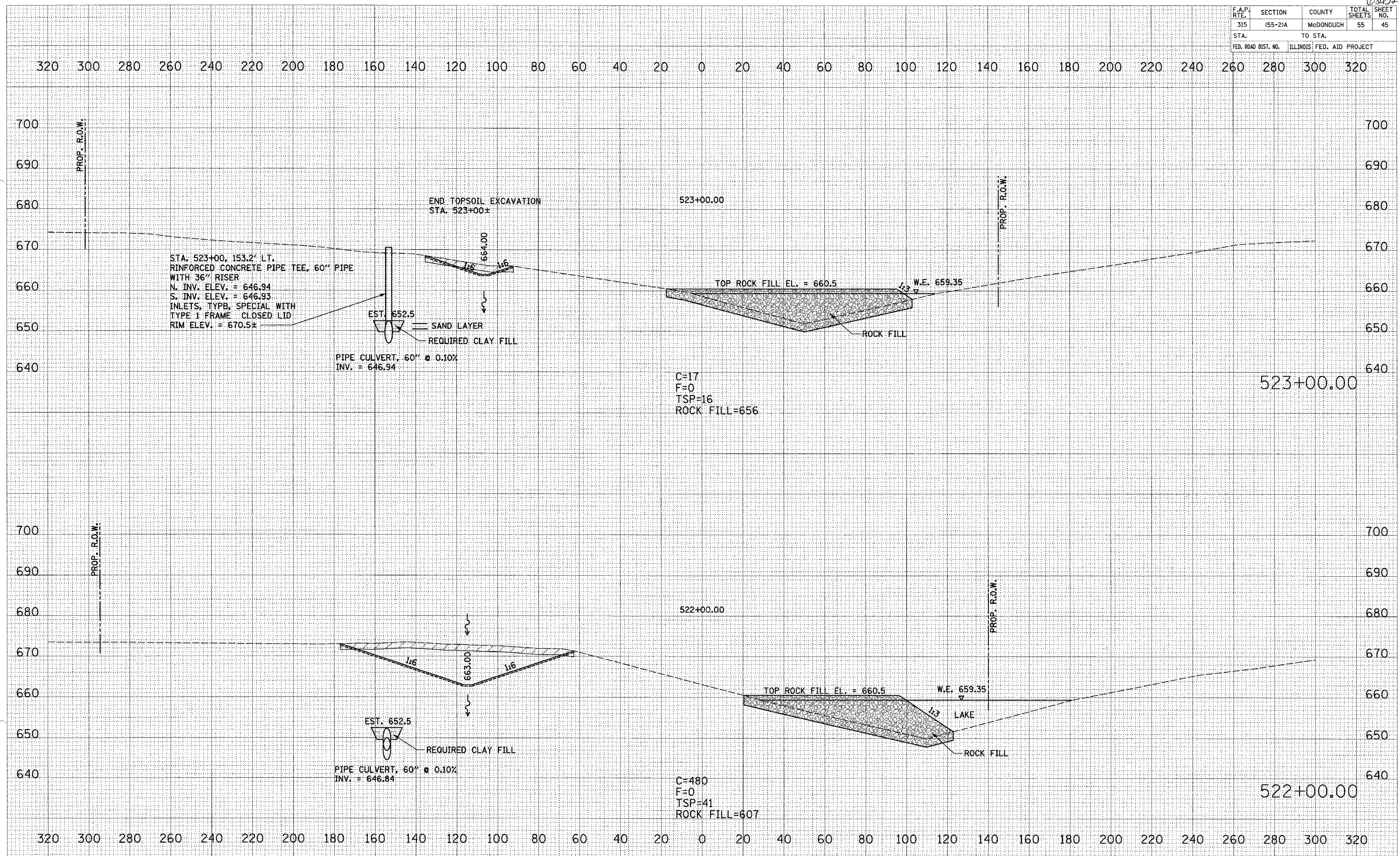
68153

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	45
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

DATE	
BY	
REVISIONS	
FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
REVISIONS	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	

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CROSS SECTIONS - IL. ROUTE 336

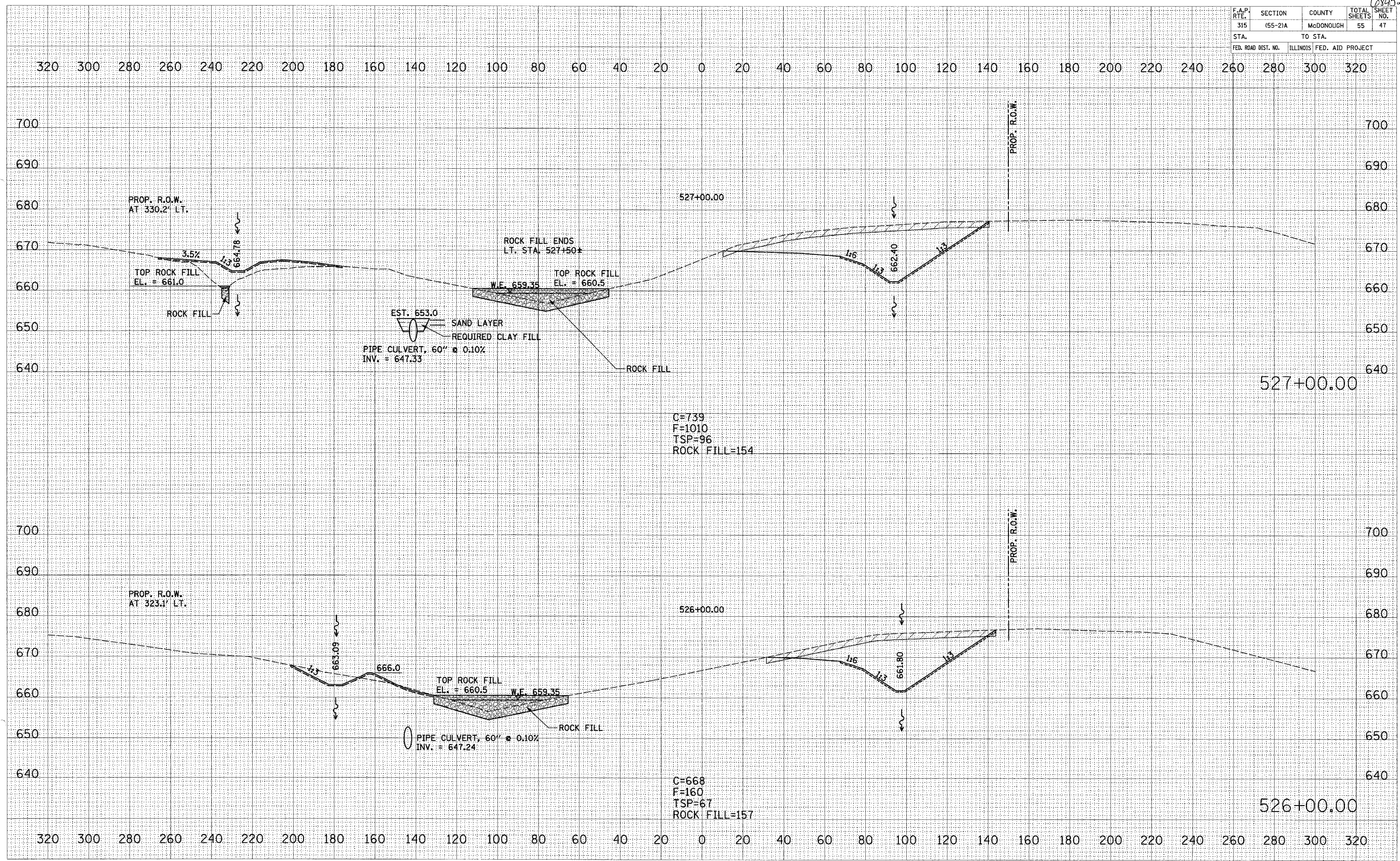
682452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	47
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	AREA'S CHECKED
2	AREAS CHECKED
3	AREAS CHECKED
4	AREAS CHECKED
5	AREAS CHECKED
6	AREAS CHECKED
7	AREAS CHECKED
8	AREAS CHECKED
9	AREAS CHECKED
10	AREAS CHECKED

DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	AREA'S CHECKED
2	AREA'S CHECKED
3	AREA'S CHECKED
4	AREA'S CHECKED
5	AREA'S CHECKED
6	AREA'S CHECKED
7	AREA'S CHECKED
8	AREA'S CHECKED
9	AREA'S CHECKED
10	AREA'S CHECKED

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#



CROSS SECTIONS - IL. ROUTE 336

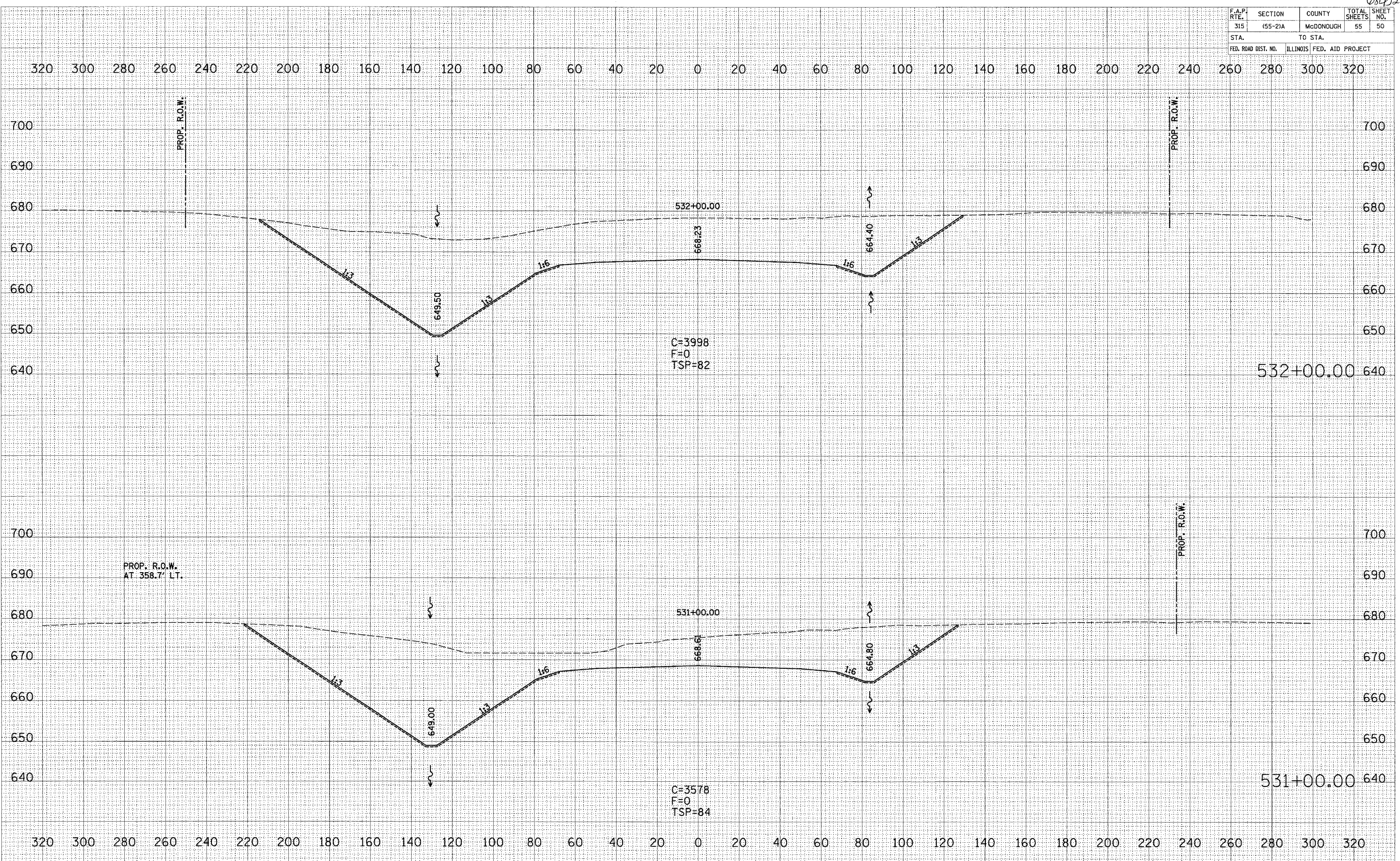
68252

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-21A)	McDONOUGH	55	50
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

FINAL SURVEY DATE
 BY
 SURVEYED
 OBTAINED
 NOTE BOOK
 AREAS
 AREAS CHECKED

ORIGINAL SURVEY DATE
 BY
 SURVEYED
 OBTAINED
 NOTE BOOK
 AREAS
 AREAS CHECKED

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#



CROSS SECTIONS - IL. ROUTE 336

50 SHEETS 50% 11/20/2006 8:10:37 AM

68452

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	51
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE _____ BY _____

ORIGINAL SURVEY _____

NOTE BOOK _____

AREAS CHECKED _____

DATE _____ BY _____

ORIGINAL SURVEY _____

NOTE BOOK _____

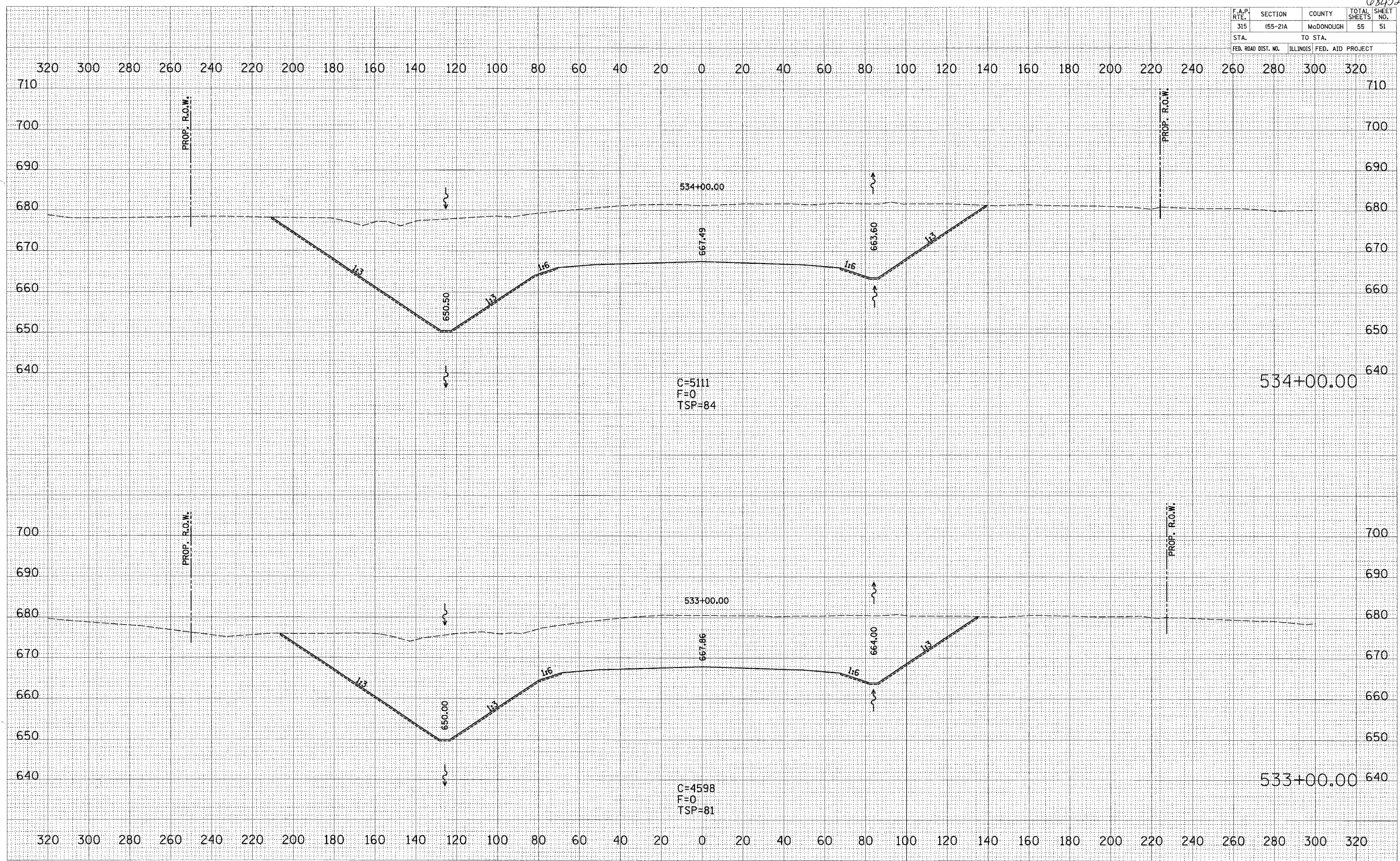
AREAS CHECKED _____

PLOT DATE = #DATE#

FILE NAME = #FILE#

PLOT SCALE = #SCALE#

USER NAME = #USER#

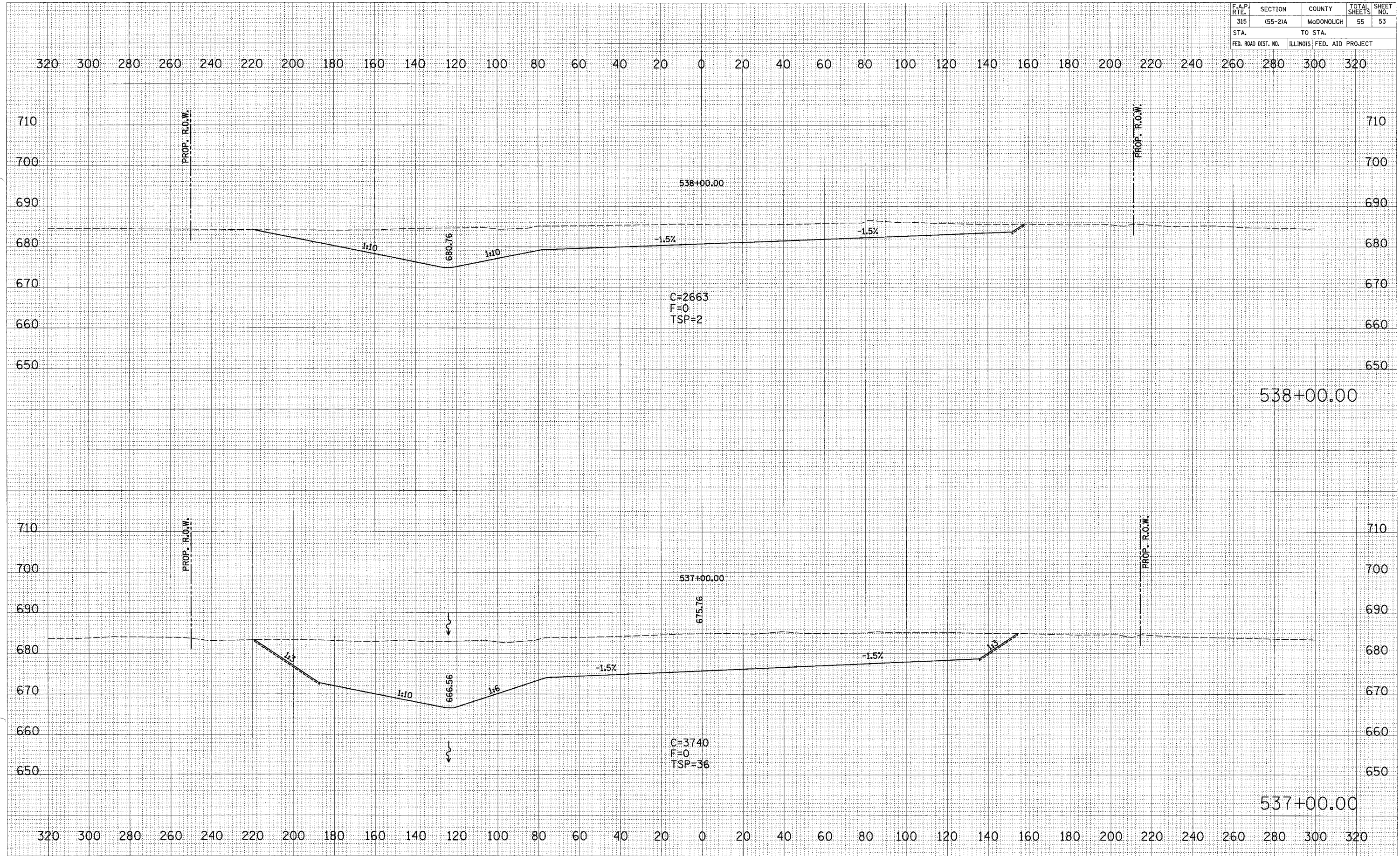


CROSS SECTIONS - IL. ROUTE 336

30 SHEETS (47) 11/20/2018 10:07 AM

68452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	155-21A	McDONOUGH	55	53
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

DATE: _____ BY: _____

REVISIONS: _____

NO. _____

ORIGINAL SURVEY

DATE: _____ BY: _____

REVISIONS: _____

NO. _____

PLOT DATE = DATE*

FILE NAME = FILE#*

PLOT SCALE = SCALE*

USER NAME = USER#

CROSS SECTIONS - IL. ROUTE 336

KS SHEETS 500 8/20/2008 8:11:38 AM

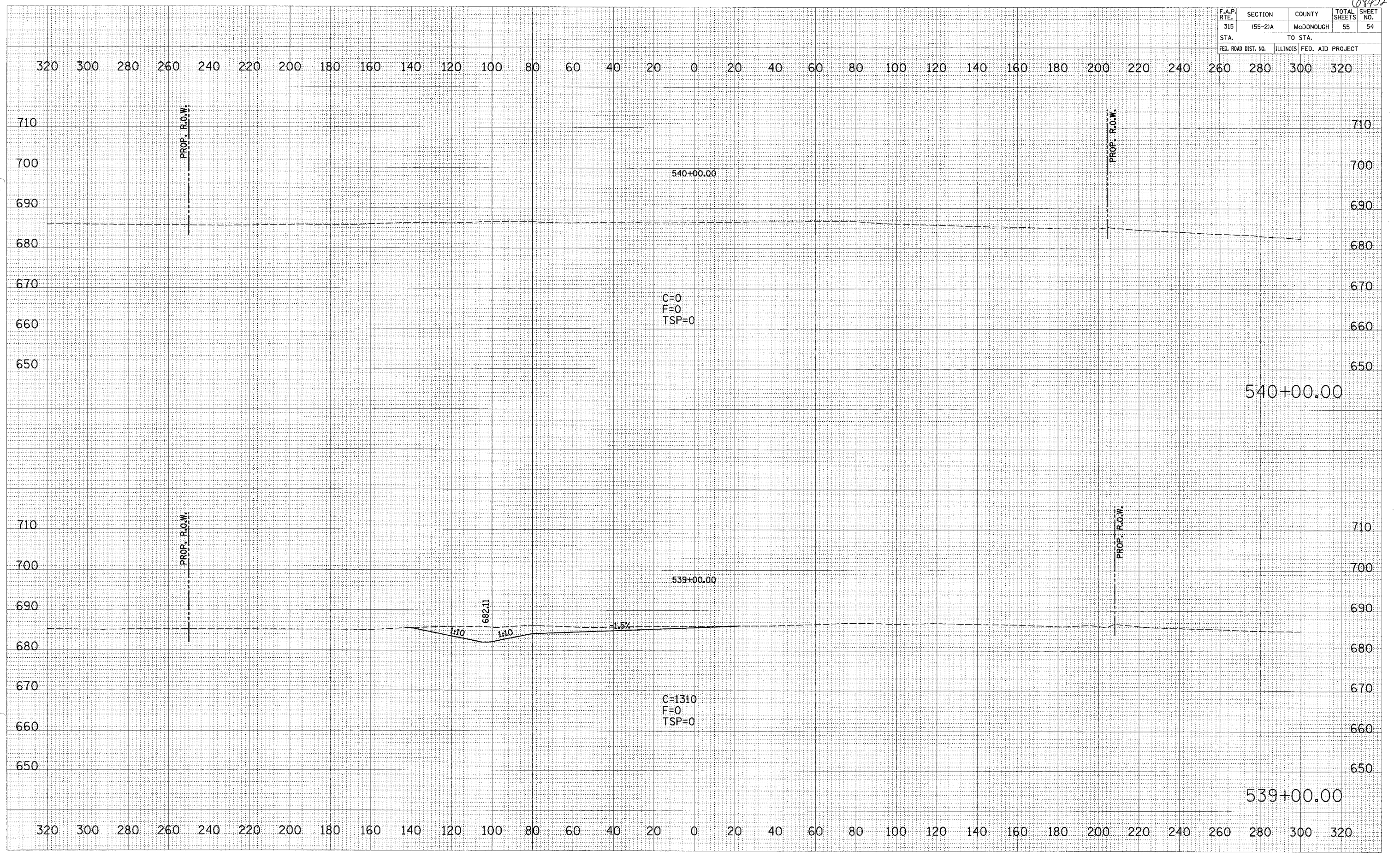
682452

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	McDONOUGH	55	54
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NO. _____		
REVISIONS		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		

ORIGINAL SURVEY	BY	DATE
NO. _____		
REVISIONS		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		

PLOT DATE = *****
 FILE NAME = *****
 PLOT SCALE = *****
 USER NAME = *****

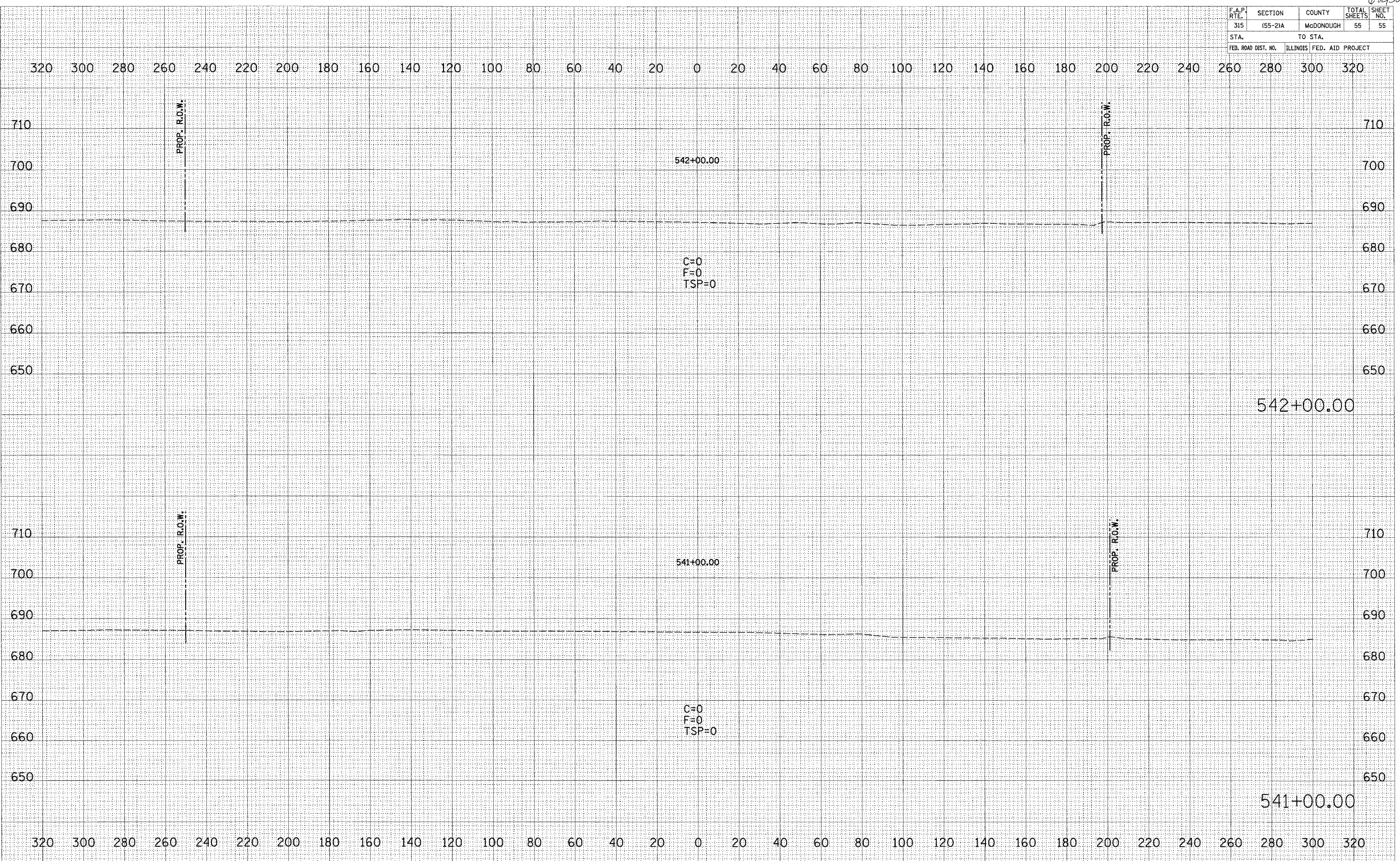


CROSS SECTIONS - IL. ROUTE 336

1/2" = 1' SCALE
 1/8" = 1' SCALE
 1/16" = 1' SCALE

68152

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(55-2)A	MCDONOUGH	55	55
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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

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

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#