

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104 T-3	WILL	32	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 60B09		

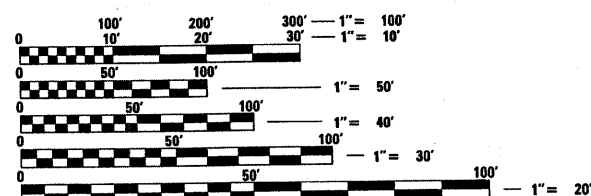
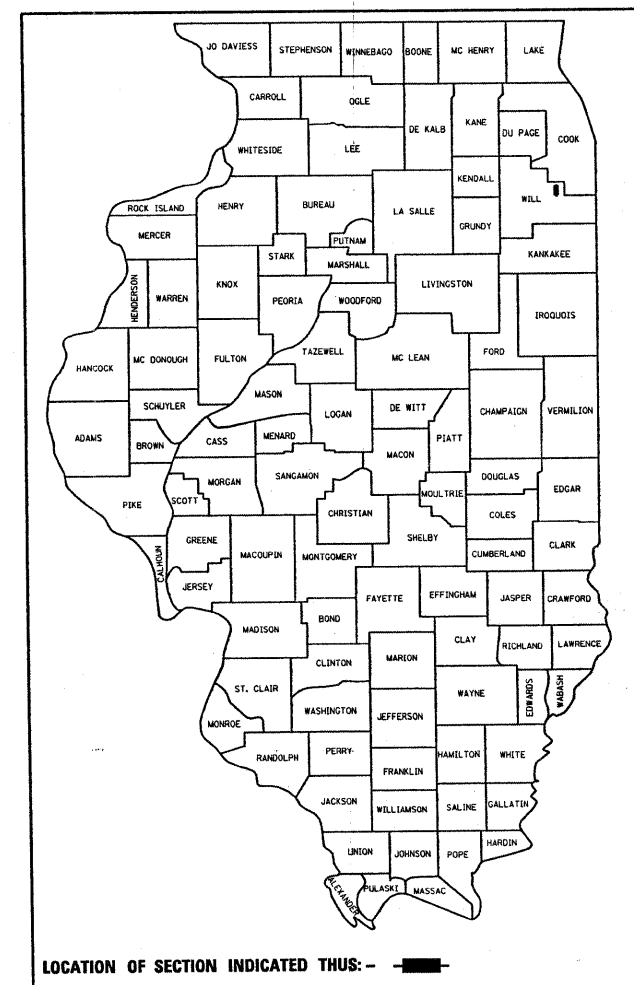
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

**FAP ROUTE 330: U.S. 45 (LA GRANGE RD.)
AT EJ & E RAILROAD
AND 1/2 MILE SOUTH OF NEBRASKA ST.
SECTION NO.: 104 T-3
DRAINAGE IMPROVEMENT
WILL COUNTY
C-91-266-06**

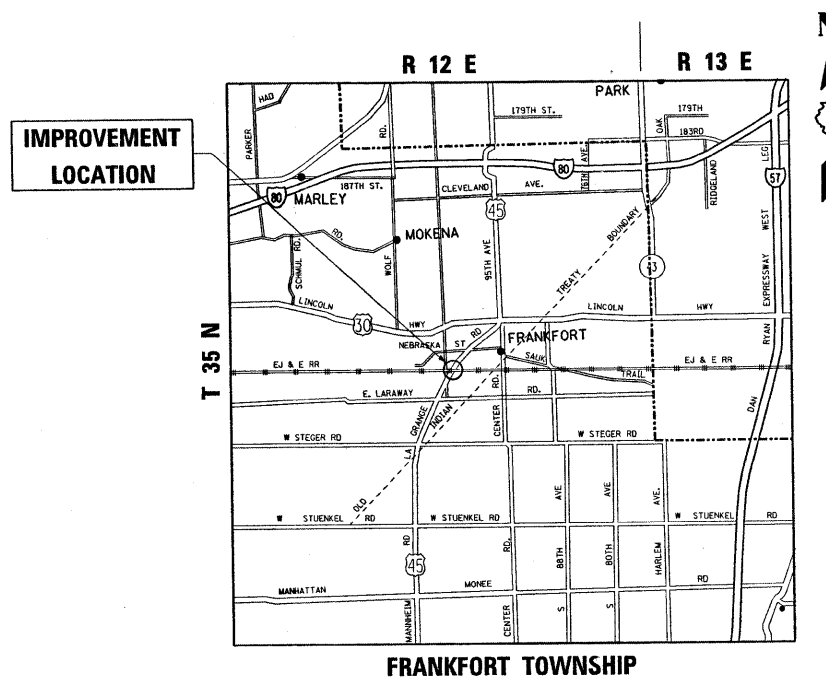
FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN
THE VILLAGE OF FRANKFORT IN WILL COUNTY



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
OR 811



TRAFFIC DATA

2005 ADT = 13300
POSTED SPEED LIMIT = 45 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED July 27 20 08

Dore Okler
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

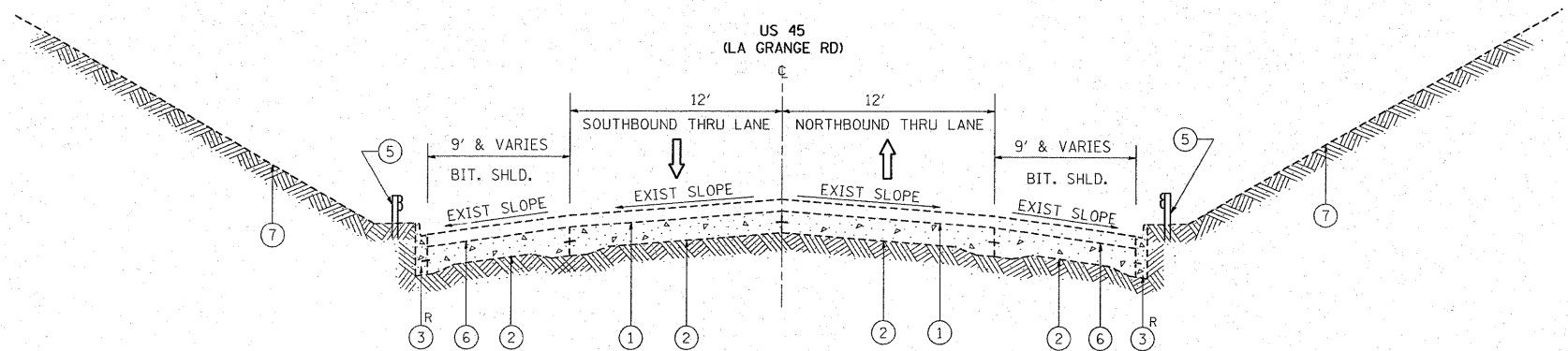
August 15, 20 08
Eric E. Haran
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

August 15, 20 08
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROJECT ENGINEER: JENPAI P. CHANG (847) 705 - 4432
PROJECT MANAGER: KEN ENG (847) 705 - 4247

CONTRACT NO. 60B09



**EXISTING TYPICAL SECTION
US 45 (NORTH & SOUTH OF E J & E RR VIADUCT)**

LEGEND

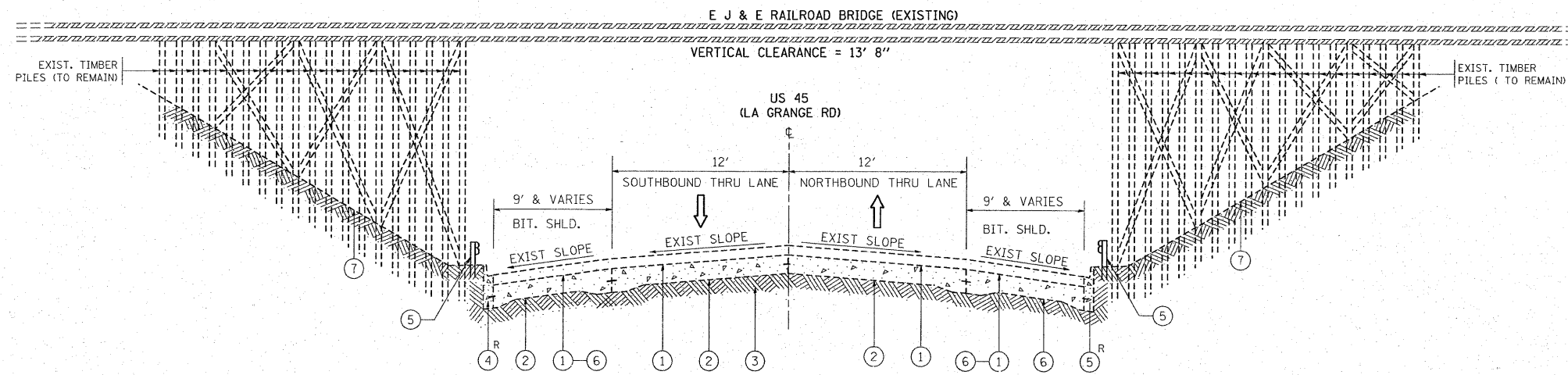
- ① EXISTING HMA SURFACING, 6" (±)
- ② EXISTING PCCPAVEMENT (9-7-9)
- ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B.6-24
- ⑤ EXISTING STEEL PLATE BEAM GUARDRAIL, TYPE A
- ⑥ EXISTING HMA SHOULDER
- ⑦ EXISTING GROUND LINE

R CURB AND GUTTER REMOVAL AND REPLACEMENT
(LOCATION AS DIRECTED BY THE ENGINEER)

NOTES:

ADDITIONAL SUB-BASE GRANULAR MATERIAL UNDER PROPOSED CUB AND GUTTER SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED AS INCLUDED IN THE COST PER SQUARE YARD OF "SUB-BASE GRANULAR MATERIAL, TYPE B 4 INCHES."

ANY SAW CUTTING REQUIRED TO REMOVE ANY ITEM ADJACENT TO AN ITEM TO BE SAVED WILL BE CONSIDERED AS PART OF THE REMOVAL ITEM AND WILL NOT BE PAID FOR SEPARATELY.



**EXISTING TYPICAL SECTION
US 45 UNDER E J & E RR VIADUCT**

FILE NAME = c:\projects\p118604\design_00.dgn	USER NAME = galbannb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 45 (LA GRANGE RD) UNDER EJ & E RAILROAD VIADUCT EXISTING TYPICAL SECTION		F.A.P. RTE. 330	SECTION 104 T-3	COUNTY WILL	TOTAL SHEETS 4	SHEET NO. 4
	PLOT SCALE = 52.9396' / IN.	CHECKED -	REVISED -				SCALE: NTS	SHEET NO. OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
PLOT DATE = 12/27/2007	DATE -	REVISED -	REVISED -								

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TREE REMOVAL SCHEDULE
US 45 (LA GRANGE RD) - ALONG THE DITCH LINE ON THE NORTH

LOCATION STATION	OFFSETS (FEET)	DESCRIPTION		REASON FOR REMOVAL
		CIRCUM. (INCH)	6 TO 15 UNITS	
101 + 87	2.2	27.96	8.90	DITCH
101 + 87	2.2	33.12	10.54	DITCH
101 + 87	2.2	18.96	6.04	DITCH
101 + 87	2.2	39.96	12.72	DITCH
101 + 95	7.3	24.84	7.91	DITCH
102 + 22	37.4	27.00	8.59	DITCH
102 + 43	50	47.40	15.09	DITCH
102 + 56	61	22.92	7.30	DITCH
102 + 60	64	45.72	14.55	EMBANKMENT
102 + 60	64	50.40	16.04	EMBANKMENT
TOTAL		76.55	31.13	

TREE REMOVAL SCHEDULE
US 45 (LA GRANGE RD) - LEFT SIDE (NORTH)

LOCATION STATION	OFFSETS (FEET)	DESCRIPTION		REASON FOR REMOVAL
		CIRCUM. (INCH)	6 TO 15 UNITS	
60 + 23.16	80.38	55.20	17.57	EASEMENT
60 + 12.05	72.25	21.60	6.88	EASEMENT
60 + 0.20	65.74	39.00	12.41	EASEMENT
59 + 89.52	69.26	45.60	14.51	DEAD
59 + 88.61	77.38	33.20	10.89	EASEMENT
59 + 80.70	60.30	22.80	7.26	EASEMENT
59 + 78.96	63.54	19.80	6.30	EASEMENT
59 + 70.94	55.21	55.20	17.57	EASEMENT
59 + 63.20	54.06	37.80	12.08	EASEMENT
59 + 49.37	49.11	19.80	6.30	EASEMENT
59+ 37.80	39.12	21.12	6.72	EASEMENT
59 + 37.80	39.12	48.84	15.55	EASEMENT
59 + 39.81	35.32	25.80	8.21	EASEMENT
59 + 39.81	35.32	29.64	9.43	EASEMENT
TOTAL		100.99	50.69	

TREE REMOVAL SCHEDULE
US 45 (LA GRANGE RD) - RIGHT SIDE (SOUTH)

LOCATION STATION	OFFSETS (FEET)	DESCRIPTION		REASON FOR REMOVAL
		CIRCUM. (INCH)	6 TO 15 UNITS	
60 + 05	37.70	48	15.28	EMBAKMENT
TOTAL			15.28	

EARTHWORK (DITCH) SCHEDULE

US 45 UNDER EJ & E VIADUCT IN FRANKFURT, IL IN WILL COUNTY

① LOCATION	② EARTH EXCAVATION	③ EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	④ EMBANKMENT	⑤ EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
STATIONS	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
STA. 00+00 - STA. 00+50	128.24	109.00	00.00	+109.00
STA. 00+50 - STA. 01+00	223.61	190.07	00.00	+190.07
STA. 01+00 - STA. 01+50	165.74	140.88	00.00	+140.88
STA. 01+50 - STA. 01+75.71	63.08	53.62	00.00	+53.62
STA. 01+75.71 - STA. 02+00	43.41	36.90	00.00	+36.90
STA. 02+00 - STA. 02+50	66.20	56.27	00.00	+56.27
STA. 02+50 - STA. 03+00	44.91	38.17	00.00	+38.17
STA. 03+00 - STA. 03+50	19.91	16.92	00.00	+16.92
STA. 03+50 - STA. 04+00	4.17	3.54	00.00	+3.54
TOTAL	759.27	645.37	00.00	+645.37

COLUMN 1: LOCATION FROM PLANS
 COLUMN 2: QUANTITY OF EARTH EXCAVATION (CUT) FROM CROSS SECTIONS
 COLUMN 3: QUANTITY OF EARTH EXCAVATION (CUT) ADJUSTED FOR A SHRINKAGE FACTOR OF 15%
 COLUMN 4: QUANTITY OF EMBANKMENT (FILL) FROM CROSS SECTIONS
 COLUMN 5: (COLUMN 3-COLUMN 4)
 (-) = QUANTITY OF FURNISHED EXCAVATION NEEDED
 (+) = QUANTITY TO BE WASTED

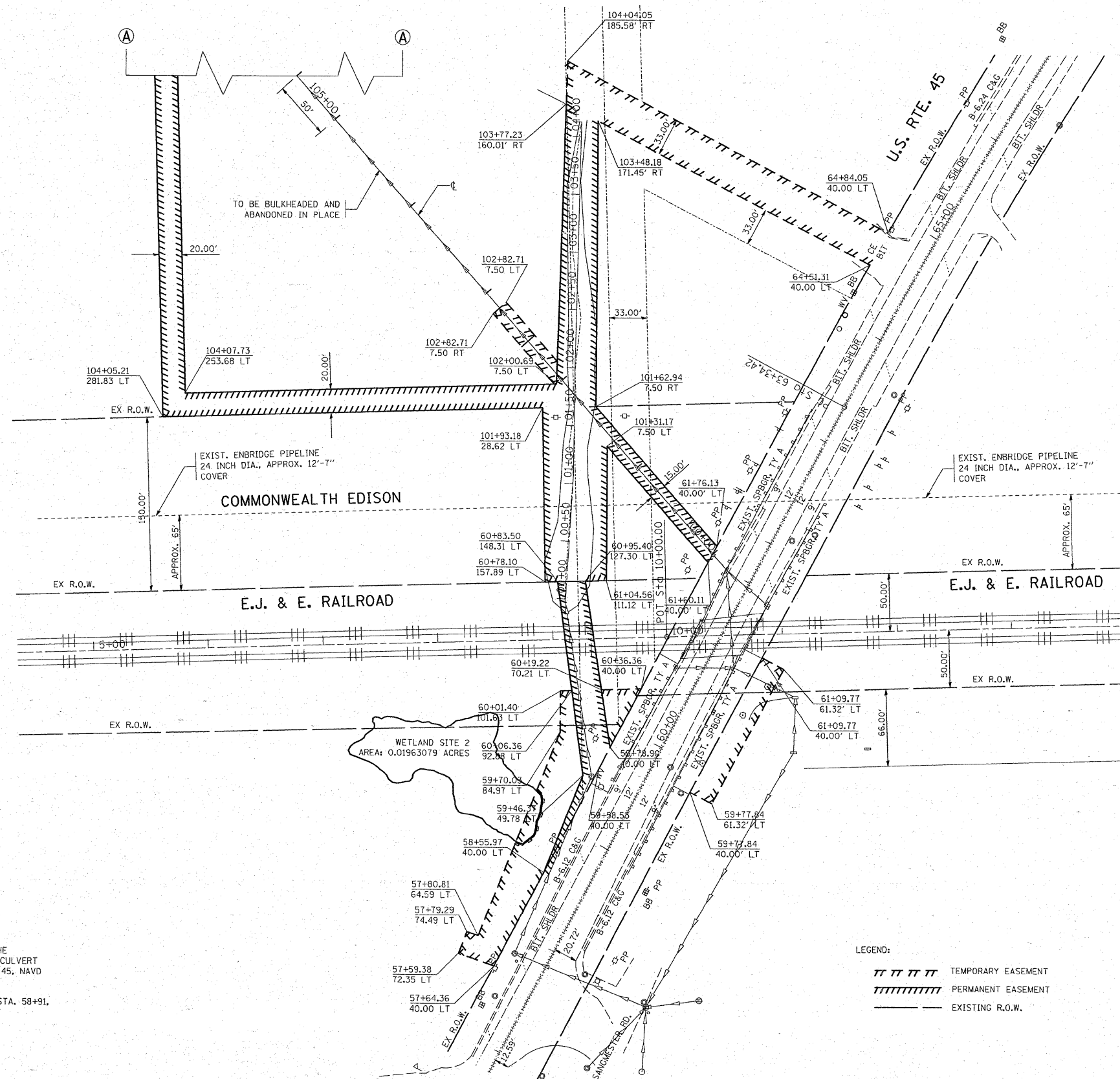
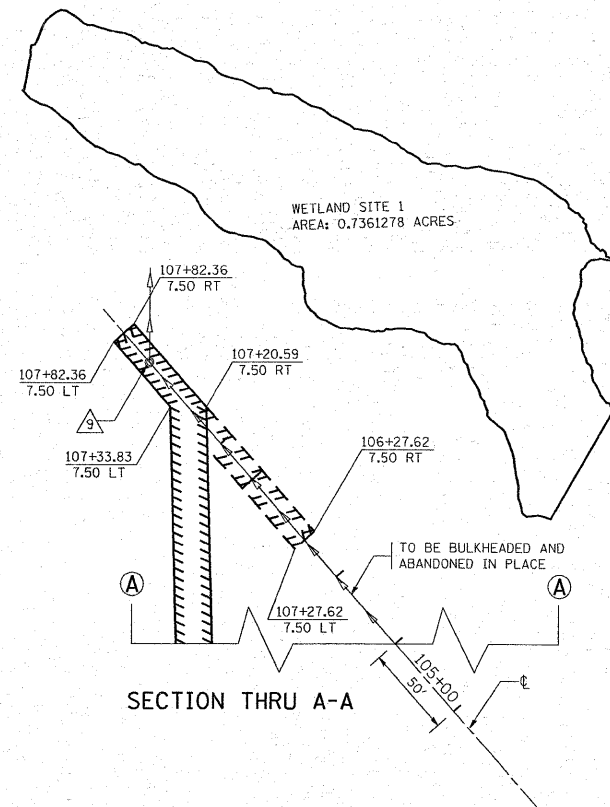
NOTE:
 ADDITIONAL EARTH EXCAVATION QUANTITY (310 CU YD.) WILL BE NECESSARY FOR SLOPE STABILIZATION ON US 45 AS SHOWN ON THE PLAN.

ADDITIONAL EARTH EXCAVATION QUANTITY (37 CU YD.) AND FURNISHED EXCAVATION (56 CU YD) WILL BE NECESSARY FOR THE CONSTRUCTION OF THE CONCRETE HEADWALL.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS
 THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

MIXTURE TYPE	AC/PG	AIR VOIDS (%)	THICKNESS
HMA PATCHING			
CLASS D PATCH (HMA BINDER IL-19 mm)	PG 64-22*	4%@70 GYR	9"
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	PG 64-22*	4%@70 GYR	N/A

NOTE:
 THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 POUNDS PER SQUARE YARD PER INCH.
 * WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22



BENCHMARKS:

- BM#1 USGS BM "Q26" FOUND DISK STAMPED "Q26" IN THE CENTER OF THE WESTERLY HEADWALL OF THE BOX CULVERT 700 FT. NORTH OF THE EJ & E RR BRIDGE ON US 45, NAVD 88 DATUM ELEV. = 758.06
- TBM #1 PK NAIL SET IN TOP OF WOOD GUARD RAIL POST STA. 58+91, OFFSET 24.7 FT. RIGHT OF US 45, ELEV. = 759.40
- TBM #2 X-CUT IN RIM OF MANHOLE #9, ELEV. = 748.45

LEGEND:

- TEMPORARY EASEMENT
- //// PERMANENT EASEMENT
- EXISTING R.O.W.

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PLOT DATE = 4/30/2008

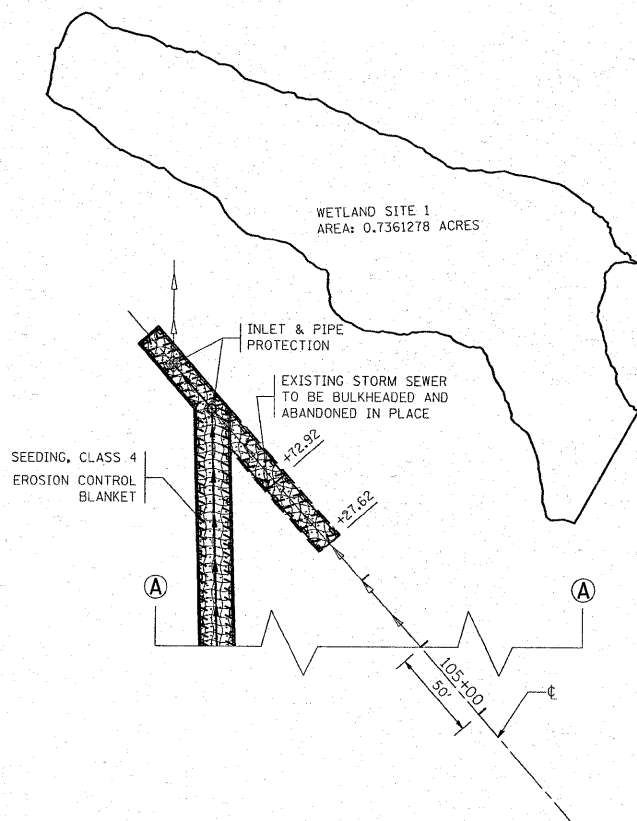
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DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 45 (LA GRANGE ROAD) UNDER EJ & E RR VIADUCT
EASEMENTS AND WETLAND LOCATIONS**

SCALE: 1 : 50 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104 T-3	WILL	32	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60B09	

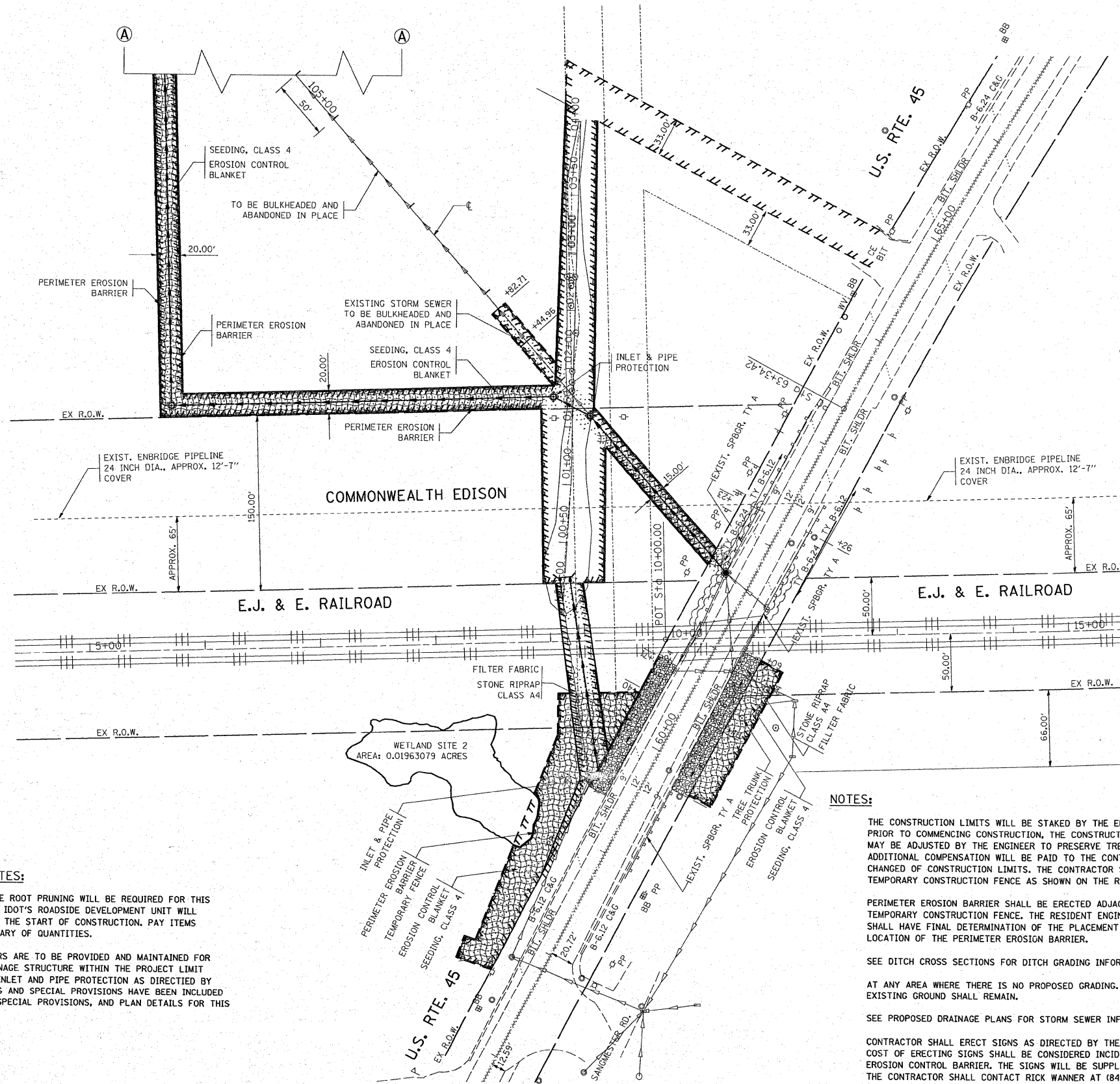


- LEGEND:
- ||||| TEMPORARY EASEMENT
 - ||||| PERMANENT EASEMENT
 - EXISTING R.O.W.
 - PERIMETER EROSION BARRIER
 - TEMPORARY FENCE
 - ◇ INLET AND PIPE PROTECTION
 - ▣ STONE RIPRAP, CLASS A4
 - ▨ SEEDING, CLASS 4
 - ▩ EROSION CONTROL BLANKET

GENERAL EROSION CONTROL NOTES:

TREE TRUNK PROTECTION, AND TREE ROOT PRUNING WILL BE REQUIRED FOR THIS PROJECT. A REPRESENTATIVE FROM IDOT'S ROADSIDE DEVELOPMENT UNIT WILL DETERMINE LOCATIONS ON SITE AT THE START OF CONSTRUCTION. PAY ITEMS HAVE BEEN INCLUDED IN THE SUMMARY OF QUANTITIES.

DRAINAGE STRUCTURE INLET FILTERS ARE TO BE PROVIDED AND MAINTAINED FOR ALL EXISTING AND PROPOSED DRAINAGE STRUCTURE WITHIN THE PROJECT LIMIT AND ALL STRUCTURES NOTED FOR INLET AND PIPE PROTECTION AS DIRECTED BY THE ENGINEER. PAY ITEMS, DETAILS AND SPECIAL PROVISIONS HAVE BEEN INCLUDED IN THE SUMMARY OF QUANTITIES, SPECIAL PROVISIONS, AND PLAN DETAILS FOR THIS WORK.



NOTES:

THE CONSTRUCTION LIMITS WILL BE STAKED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION, THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED OF CONSTRUCTION LIMITS. THE CONTRACTOR SHALL ERECT A TEMPORARY CONSTRUCTION FENCE AS SHOWN ON THE REMOVAL ITEMS.

PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO TEMPORARY CONSTRUCTION FENCE. THE RESIDENT ENGINEER SHALL HAVE FINAL DETERMINATION OF THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION BARRIER.

SEE DITCH CROSS SECTIONS FOR DITCH GRADING INFORMATION

AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND SHALL REMAIN.

SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION

CONTRACTOR SHALL ERECT SIGNS AS DIRECTED BY THE ENGINEER. COST OF ERECTING SIGNS SHALL BE CONSIDERED INCIDENTAL TO EROSION CONTROL BARRIER. THE SIGNS WILL BE SUPPLIED BY IDOT THE CONTRACTOR SHALL CONTACT RICK WANNER AT (847) 705-4172 WHEN SIGNS ARE NEEDED. THE SIGNS SHALL REMAIN IN PLACE WHILE WORK IS BEING DONE IN THIS AREA AND SHALL BE TAKEN DOWN ONLY WHEN DIRECTED BY THE ENGINEER.

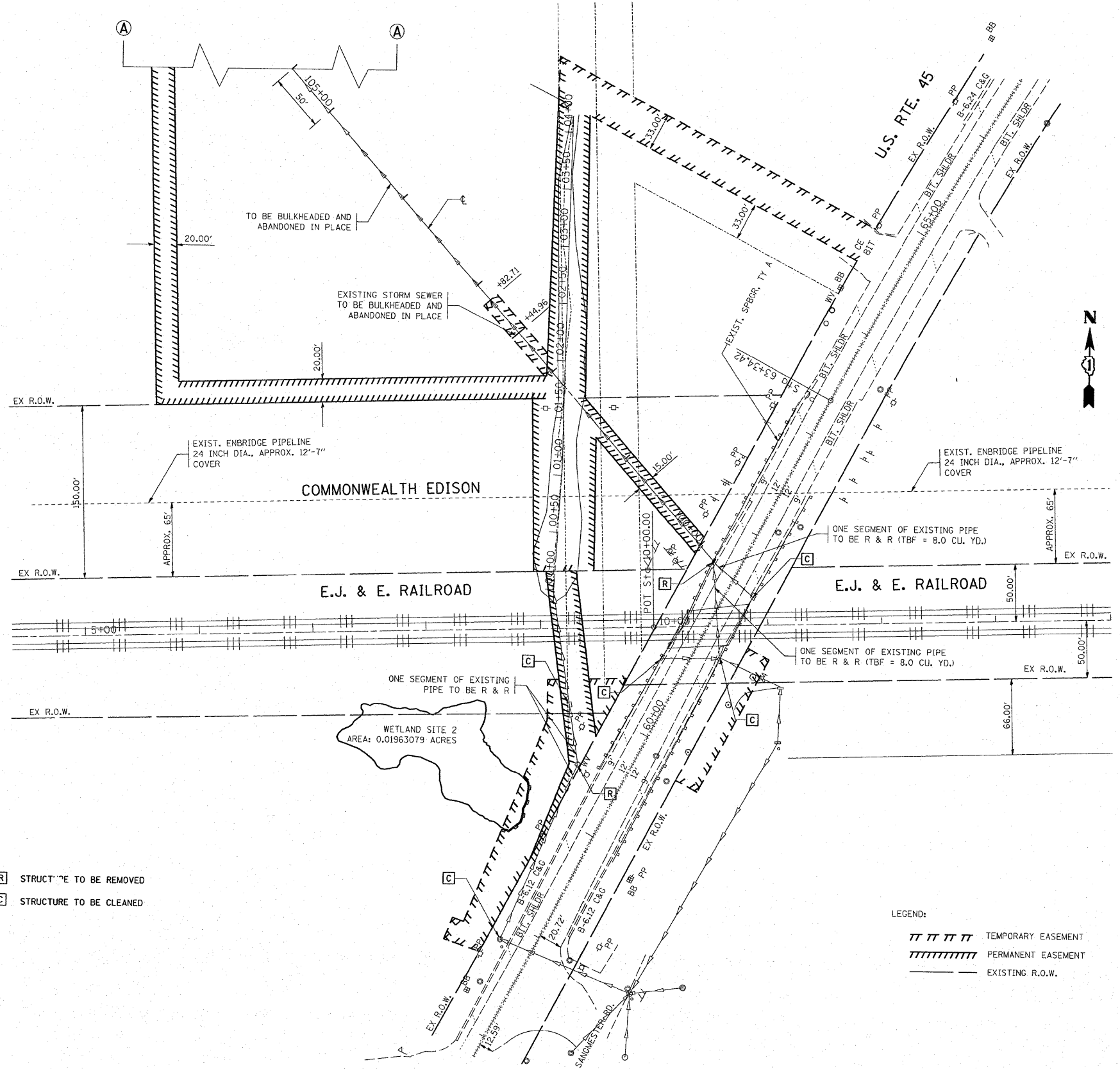
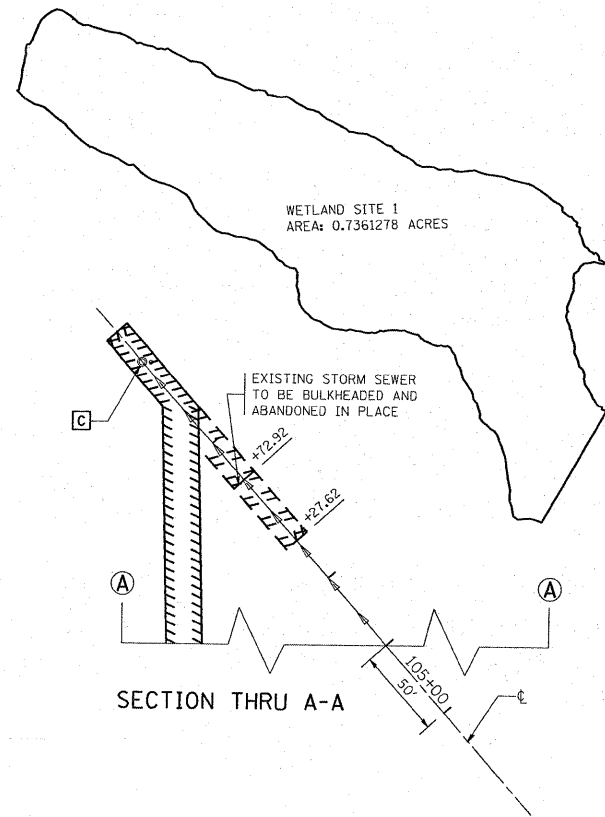
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 45 (LA GRANGE RD) UNDER EJ & E RAILROAD VIADUCT
EROSION CONTROL PLAN**

SCALE: SHEET NO. 60 OF SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 104 T-3	COUNTY WILL	TOTAL SHEETS 32	SHEET NO. 8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 60B09



- [R] STRUCTURE TO BE REMOVED
- [C] STRUCTURE TO BE CLEANED

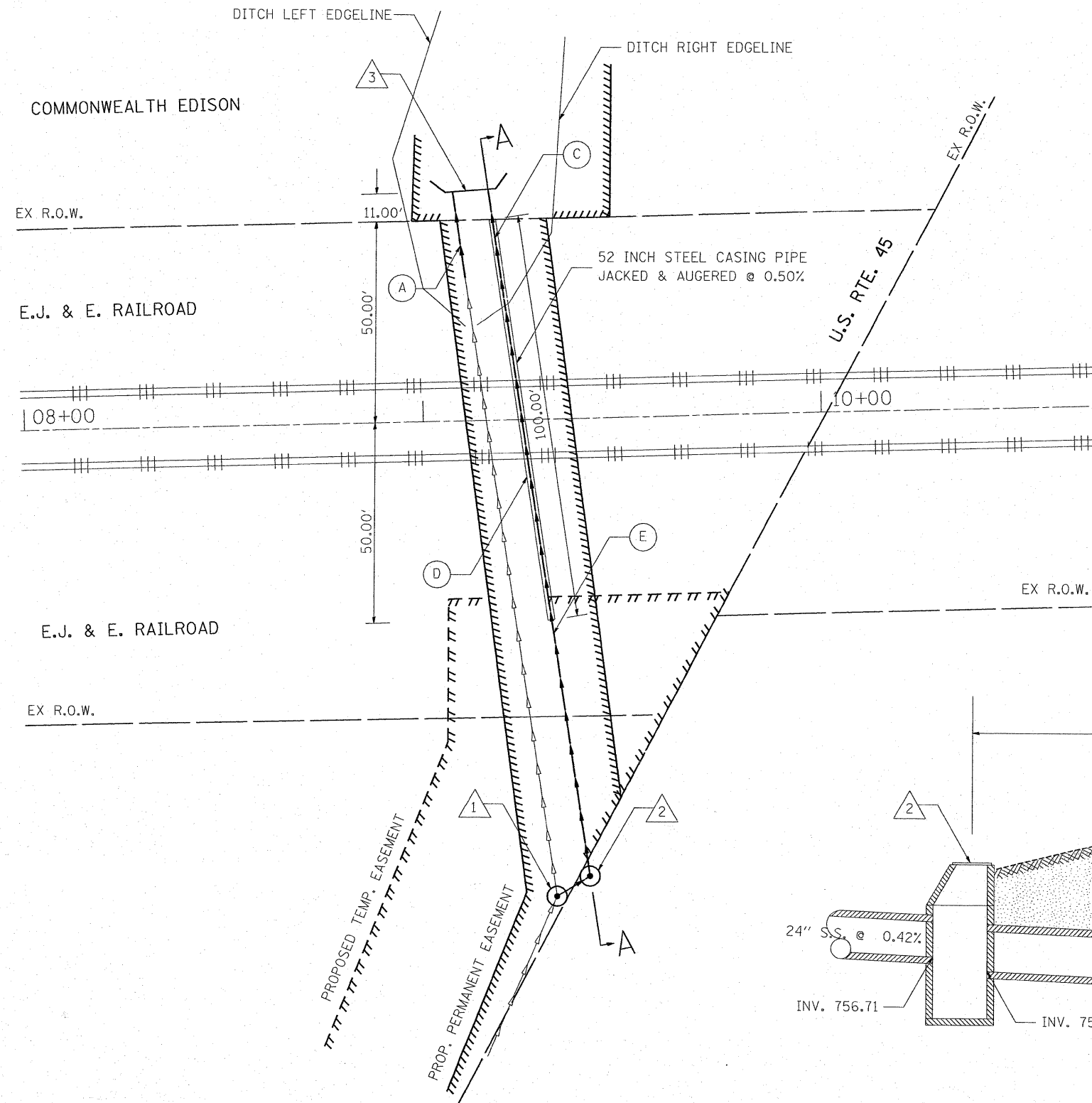
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

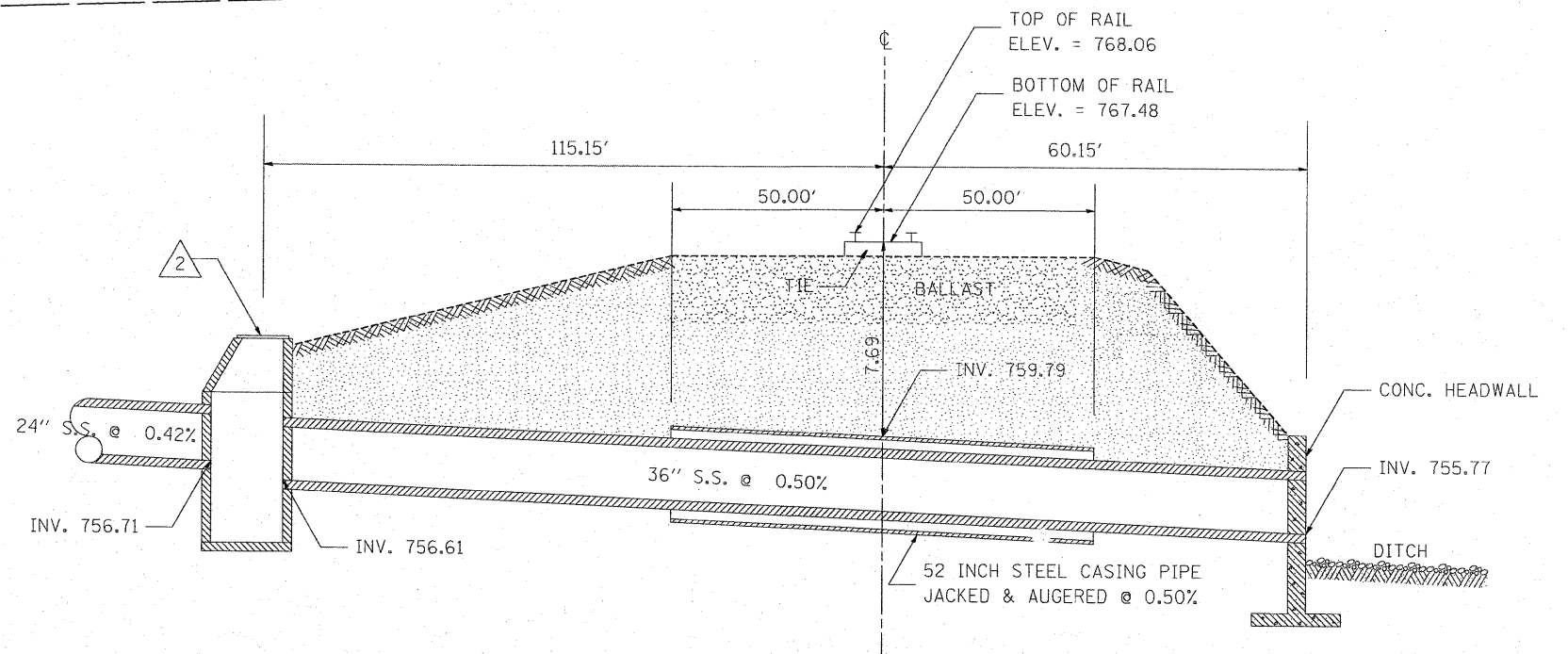
**US 45 (LA GRANGE ROAD) UNDER EJ & E RR VIADUCT
EXISTING DRAINAGE & UTILITY PLAN**

SCALE: 1 : 50 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 104 T-3	COUNTY WILL	TOTAL SHEETS 32	SHEET NO. 9
CONTRACT NO. 60B09				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PLAN
SCALE: NTS



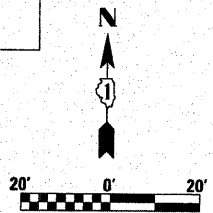
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	PLOT SCALE = 49.9999' / IN.	CHECKED -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
	PLOT DATE = 7/7/2008	DATE -	REVISED -			CONTRACT NO. 60B09						

BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
U.S. 45 & E.J.&E.		WILL	32	12
STATION 100+00		TO STATION 103+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
						TEMP ACRES	PERM ACRES			
IFZ0005	COMMONWEALTH EDISON COMPANY	N/A	N/A	N/A	N/A	N/A	0.237	CONST.	09-28-104-003 09-29-200-006	



LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- ==== PROPOSED PERMANENT EASEMENT LINE
- ==== PROPOSED TEMPORARY EASEMENT LINE
- SECTION LINE
- PROPERTY (DEED) LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 5/8 INCH IRON ROD
- PERMANENT SURVEY MONUMENT
- I.O.T. STD. 2135 (TO BE SET BY OTHERS)
- + CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LGT EXISTING STREET LIGHT
- MAIL EXISTING MAIL BOX
- WELL EXISTING WELL HEAD
- STAKING OF PROPOSED RIGHT OF WAY. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



STATE OF ILLINOIS)
COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 28 AND 29, TOWNSHIP 35 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 17th DAY OF OCTOBER 2007 A.D.
Ronald F. Hodgen
RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-2008

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/C.I.S. Consultants
2174 ONIDA STREET
JOLIET, ILLINOIS 60435
PH. (815) 744-5600 FAX (815) 744-0101
2603 SOUTH WASHINGTON STREET SUITE 170
NAPERVILLE, ILLINOIS 60565
PH. (630) 450-1740 FAX (630) 450-1741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
U.S. 45 at E.J.&E.
RAILWAY UNDERPASS

WILL COUNTY
JOB NO. R-91-025-06
STATION 100+00 TO STATION 103+00

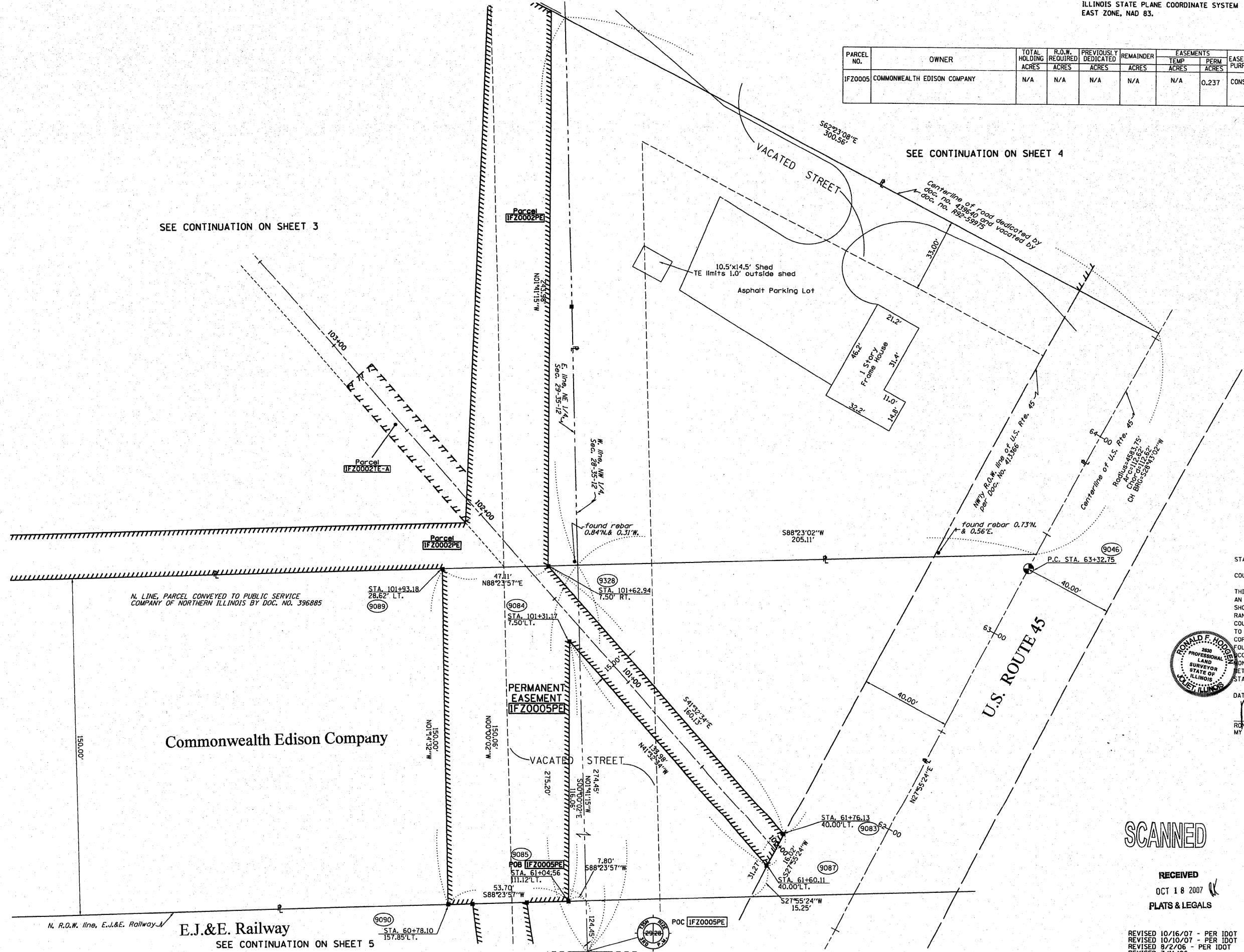
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SCANNED

RECEIVED
OCT 18 2007
PLATS & LEGALS

REVISED 10/16/07 - PER IDOT
REVISED 10/10/07 - PER IDOT
REVISED 8/2/06 - PER IDOT
REVISED 7/1/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHUMBERG, ILLINOIS 60196



SEE CONTINUATION ON SHEET 3

SEE CONTINUATION ON SHEET 4

Commonwealth Edison Company

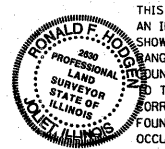
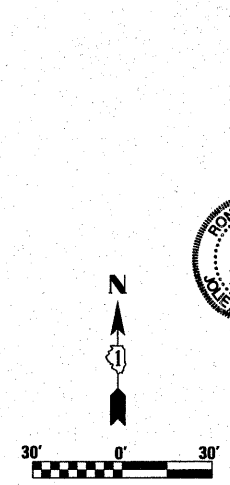
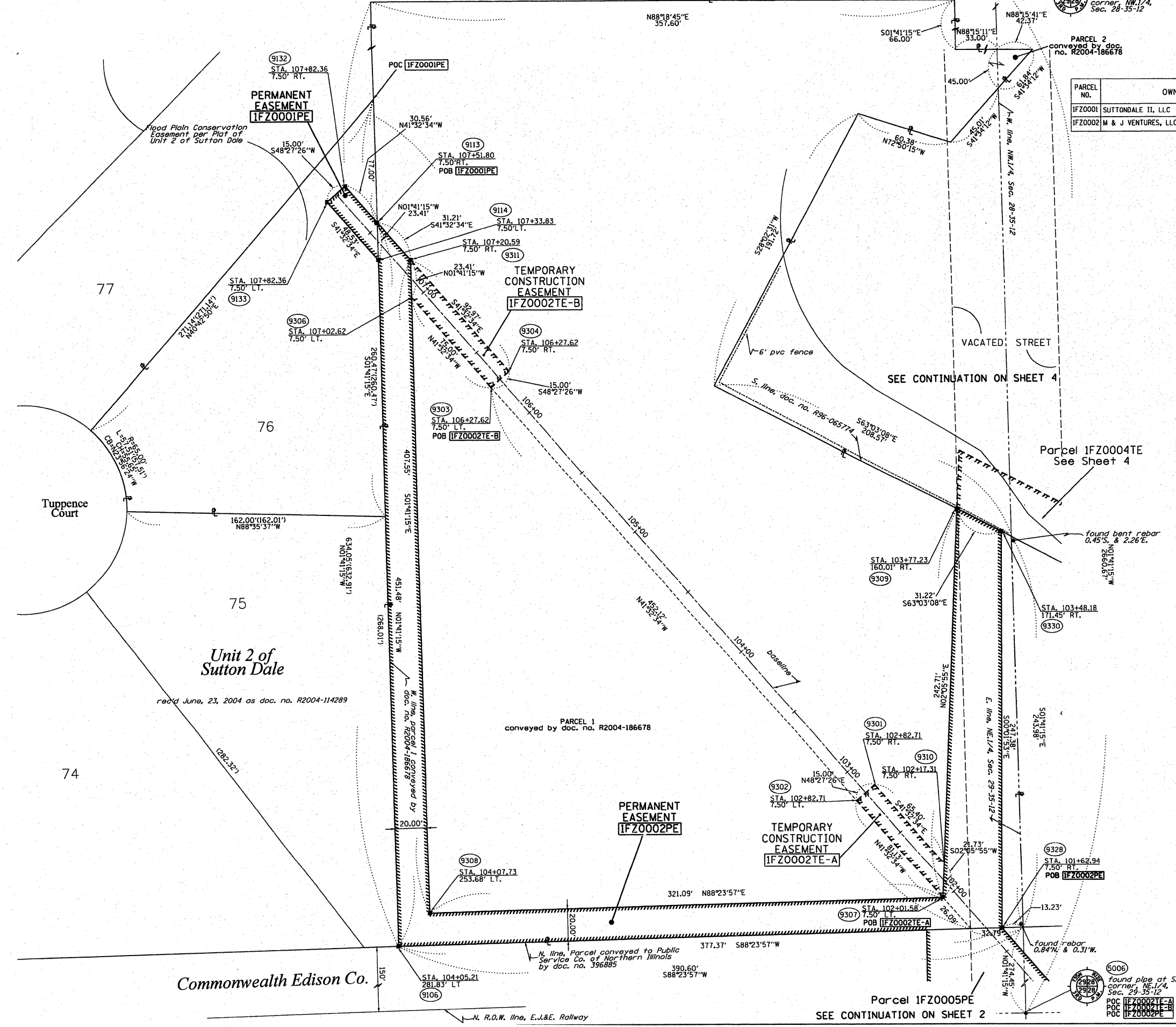
E.J.&E. Railway
SEE CONTINUATION ON SHEET 5

BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

P.A. N.E.	SECTION	COUNTY	SHEETS	NO.
US 45 & E.J.&E.	WILL	ILLINOIS	32	13
STATION 101+50		TO STATION 108+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP ACRES	EASEMENTS PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
IFZ0001	SUTTODALE II, LLC	0.635	N/A	N/A	0.635	N/A	0.014	CONSTR.	09-29-205-039	
IFZ0002	M & J VENTURES, LLC	4.947	N/A	N/A	4.947	A-0.025 B-0.025	0.596	CONSTR.	09-29-200-024	

- LEGEND**
- EXISTING CENTERLINE
 - PROPOSED CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED PERMANENT EASEMENT LINE
 - PROPOSED TEMPORARY EASEMENT LINE
 - SECTION LINE
 - PROPERTY (DEED) LINE
 - 121.45 MEASURED DIMENSION
 - 123.45 (COMP) COMPUTED DIMENSION
 - (123.45) RECORDED DIMENSION
 - FOUND IRON PIPE OR IRON ROD
 - SET 1/8" INCH IRON ROD
 - PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - ⊕ CUT CROSS FOUND OR SET
 - SAME OWNERSHIP
 - TEL EXISTING TELEPHONE SPLICE BOX
 - LGT EXISTING STREET LIGHT
 - MAIL BOX EXISTING MAIL BOX
 - WELL EXISTING WELL HEAD
 - STAKING OF PROPOSED RIGHT OF WAY, SET 1/8" METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, SET 1/8" METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



STATE OF ILLINOIS)
 COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 28 AND 29, TOWNSHIP 35 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 17th DAY OF October 2007.

Ronald F. Hodgen
 RONALD F. HODGEN P.L.S. NO. 2630
 MY LICENSE EXPIRES 11-30-2008

RUETTIGER, TONELLI & ASSOCIATES, INC.
 Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
 214 OGDEN STREET
 JOLIET, ILLINOIS 60435
 PH. (815) 744-6600 FAX (815) 744-0101
 2603 SOUTH WASHINGTON STREET SUITE 170
 MAPERVILLE, ILLINOIS 60565
 PH. (630) 420-7740 FAX (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 U.S. 45 at E.J.&E.
 RAILWAY UNDERPASS

WILL COUNTY
 JOB NO. R-91-025-06
 STATION 101+50 TO STATION 108+00

SCANNED

RECEIVED
 OCT 18 2007
 PLATS & LEGALS

SCALE: 1"=30' SHEET 3 OF 7

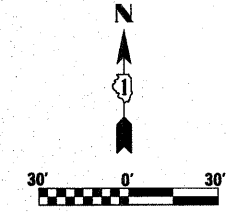
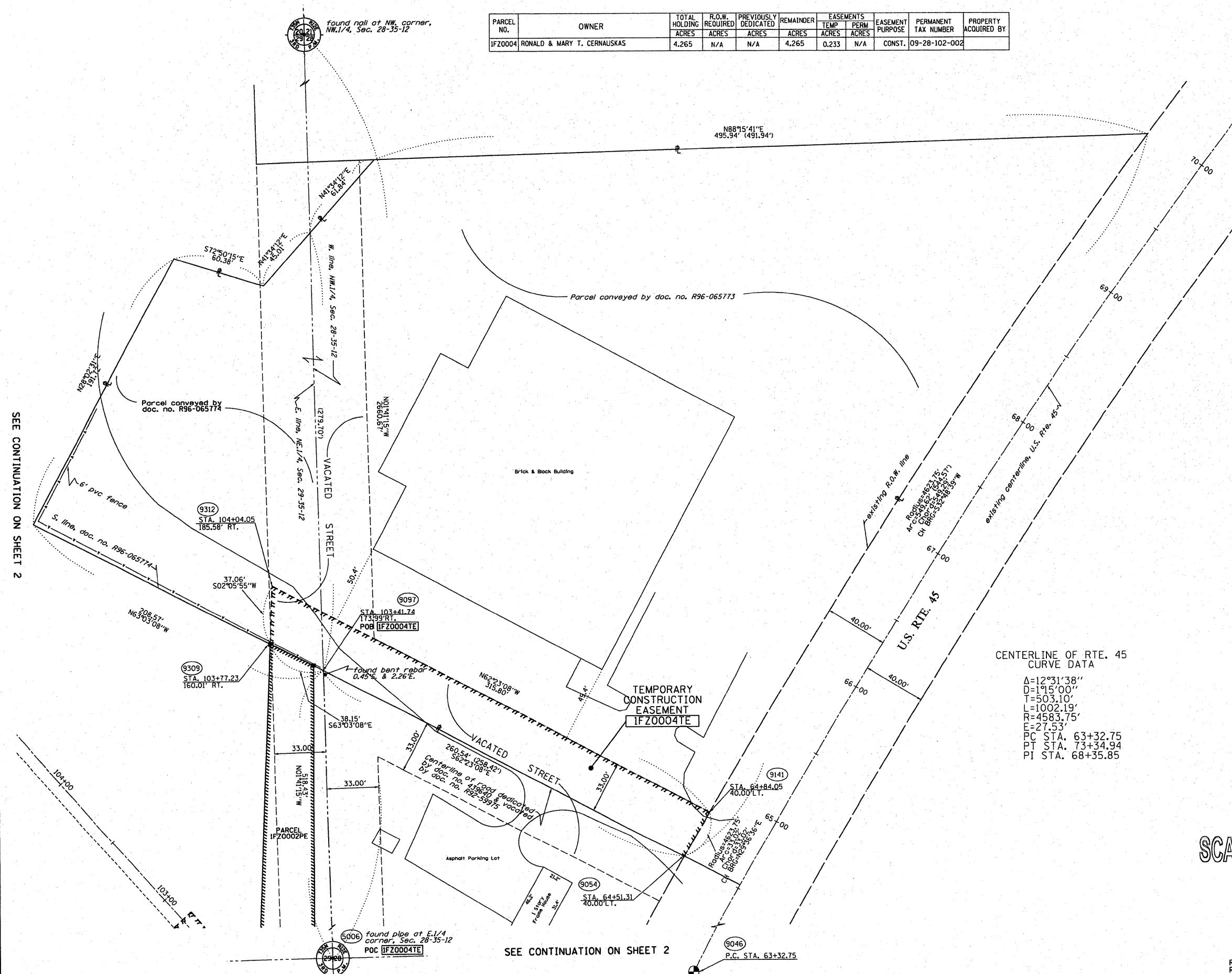
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 201 WEST CENTER COURT
 SCHAMBAURG, ILLINOIS 60196

REVISED 10/16/07 - REVISED PER 100T
 REVISED 9/26/07 - REVISED PER 100T
 REVISED 8/27/06 - REVISED PER 100T
 REVISED 7/11/06

Parcel 1FZ0005PE
 SEE CONTINUATION ON SHEET 2

US 45 @ E.J.&E.	WILL	32	14
STATION 64+50	TO STATION 70+00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

PARCEL NO.	OWNER	TOTAL HOLDING	R.O.W. REQUIRED	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
		ACRES	ACRES	ACRES	ACRES	TEMP	PERM			
IFZ0004	RONALD & MARY T. CERNAUSKAS	4.265	N/A	N/A	4.265	0.233	N/A	CONST.	09-28-102-002	



- LEGEND**
- EXISTING CENTERLINE
 - - - PROPOSED CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - - - PROPOSED RIGHT OF WAY LINE
 - ==== PROPOSED PERMANENT EASEMENT LINE
 - ==== PROPOSED TEMPORARY EASEMENT LINE
 - SECTION LINE
 - PROPERTY (DEED) LINE
 - 121.45 MEASURED DIMENSION
 - 123.45 (COMP) COMPUTED DIMENSION
 - (123.45) RECORDED DIMENSION
 - FOUND IRON PIPE OR IRON ROD
 - SET 3/8 INCH IRON ROD PERMANENT SURVEY MONUMENT
 - ⊕ I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - + CUT CROSS FOUND OR SET
 - SAME OWNERSHIP
 - TEL EXISTING TELEPHONE SPLICE BOX
 - LGT EXISTING STREET LIGHT
 - MAIL EXISTING MAIL BOX
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 - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



STATE OF ILLINOIS)
COUNTY OF WILL)

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 28 AND 29, TOWNSHIP 35 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 17th DAY OF August, 2007.
Ronald F. Hodgen
RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-2008

CENTERLINE OF RTE. 45
CURVE DATA
Δ=12°31'38"
D=1°15'00"
T=503.10'
L=1002.19'
R=4583.75'
E=27.53'
PC STA. 63+32.75
PT STA. 73+34.94
PI STA. 68+35.85



RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET JOLIET, ILLINOIS 60435
2603 SOUTH WASHINGTON STREET SUITE 170 MAPERVILLE, ILLINOIS 60565
PH. (815) 744-6600 FAX (815) 744-0101 PH. (630) 420-7740 FAX (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
U.S. 45 at E.J.&E.
RAILWAY UNDERPASS

WILL COUNTY
JOB NO. R-91-025-06
STATION 64+50 TO STATION 70+00

SCALE: 1"=30' SHEET 4 OF 7

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHALMURG, ILLINOIS 60196

SCANNED

RECEIVED
OCT 18 2007
PLATS & LEGALS

REVISED 10/16/07 PER IDOT
REVISED 9/26/07 PER IDOT
REVISED 7/11/06

SEE CONTINUATION ON SHEET 2

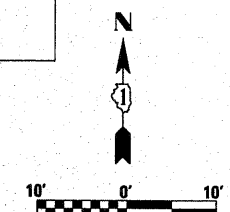
SEE CONTINUATION ON SHEET 2

BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, MAD 83.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US 45	28	WILL	32	15
STATION 60+00		TO STATION 62+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

SEE CONTINUATION ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
						TEMP ACRES	PERM ACRES			
IFZ0006	ELGIN, JOLIET AND EASTERN RAILWAY COMPANY	N/A	N/A	N/A	N/A	TE-A-0.011	0.073	CONST.	09-29-500-002 09-28-500-001	



LEGEND

- EXISTING CENTERLINE
- - - - - PROPOSED CENTERLINE
- ==== EXISTING RIGHT OF WAY LINE
- - - - - PROPOSED RIGHT OF WAY LINE
- ==== PROPOSED PERMANENT EASEMENT LINE
- - - - - PROPOSED TEMPORARY EASEMENT LINE
- SECTION LINE
- PROPERTY (DEED) LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 3/8 INCH IRON ROD
- PERMANENT SURVEY MONUMENT
- ⊙ I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- + CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LGT EXISTING STREET LIGHT
- MAIL EXISTING MAIL BOX
- WELL EXISTING WELL HEAD

- STAKING OF PROPOSED RIGHT OF WAY. SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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STATE OF ILLINOIS)
COUNTY OF WILL)

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 28 AND SECTION 29, TOWNSHIP 35 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

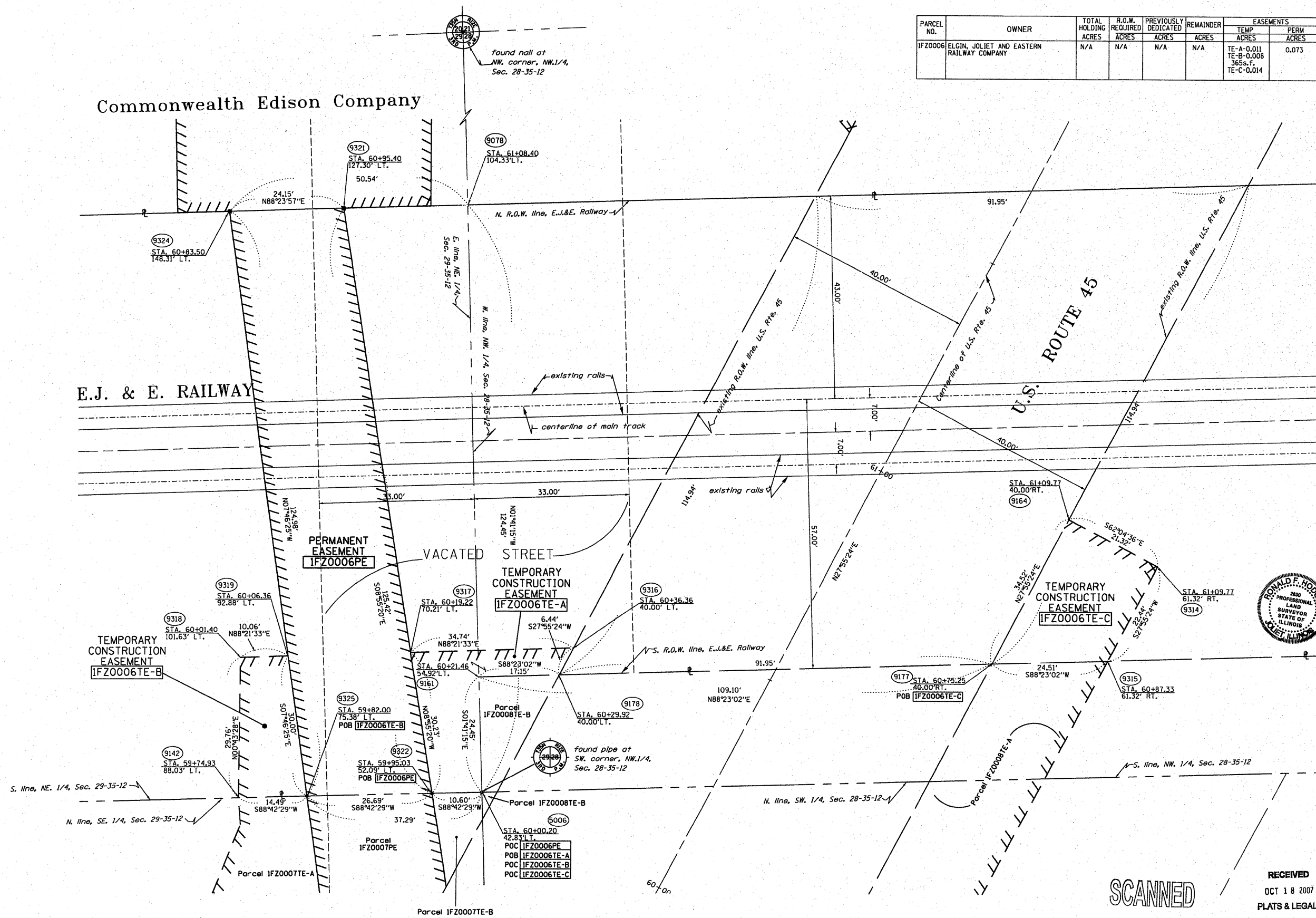
DATED AT JOLIET, ILLINOIS THIS 11th DAY OF OCTOBER 2007 A.D.
Ronald F. Hodgen
RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-2006

RUETTIGER, TONELLI & ASSOCIATES, INC.
Lead Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
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PH. (630) 420-7740 FAX (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
U.S. 45 at E.J.&E. RAILWAY UNDERPASS
WILL COUNTY
JOB NO. R-91-025-06
STATION 60+00 TO STATION 62+00

SCALE: 1"=10'
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196



SEE CONTINUATION ON SHEET 6

SCANNED

RECEIVED
OCT 18 2007
PLATS & LEGALS

REVISED 10/16/07 - PER IDOT
REVISED 10/10/07 - PER IDOT
REVISED 8/2/06 - REVISED PER IDOT
REVISED 7/11/06

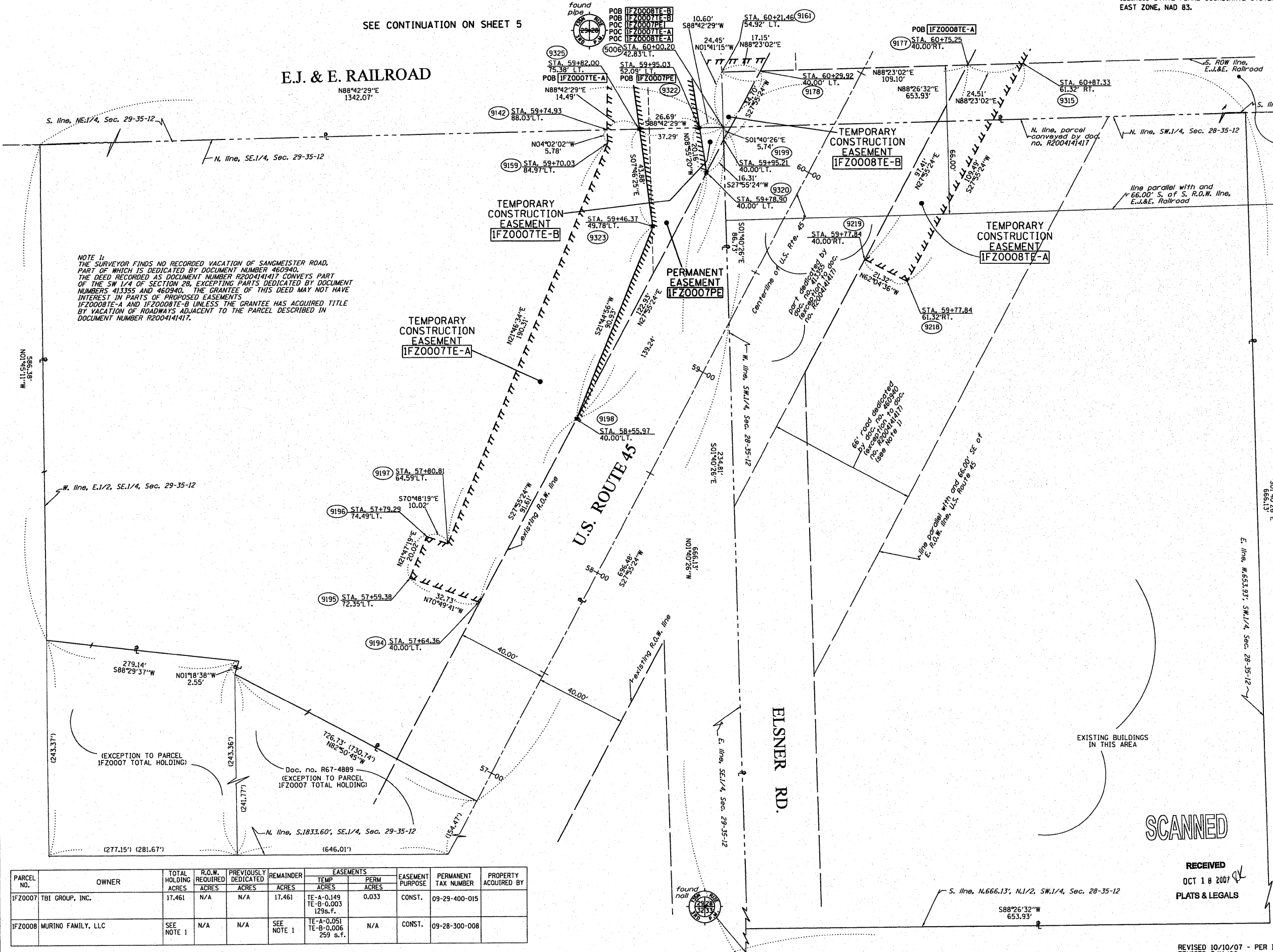
BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US 45	21	WILL	32	16
STATION 56+78 TO STATION 61+00			ILLINOIS FED. AID PROJECT	

SEE CONTINUATION ON SHEET 5

E.J. & E. RAILROAD

N88°42'29"E
1342.07'



NOTE 1:
THE SURVEYOR FINDS NO RECORDED VACATION OF SANGMEISTER ROAD, PART OF WHICH IS DEDICATED BY DOCUMENT NUMBER 460940. THE DEED RECORDED AS DOCUMENT NUMBER R2004141417 CONVEYS PART OF THE SW 1/4 OF SECTION 28, EXCEPTING PARTS DEDICATED BY DOCUMENT NUMBERS 413355 AND 460940. THE GRANTEE OF THIS DEED MAY NOT HAVE INTEREST IN PARTS OF PROPOSED EASEMENTS IFZ0008TE-A AND IFZ0008TE-B UNLESS THE GRANTEE HAS ACQUIRED TITLE BY VACATION OF ROADWAYS ADJACENT TO THE PARCEL DESCRIBED IN DOCUMENT NUMBER R2004141417.

LEGEND

---	EXISTING CENTERLINE
- - -	PROPOSED CENTERLINE
---	EXISTING RIGHT OF WAY LINE
- - -	PROPOSED RIGHT OF WAY LINE
	PROPOSED PERMANENT EASEMENT LINE
	PROPOSED TEMPORARY EASEMENT LINE
---	SECTION LINE
---	PROPERTY DEED LINE
121.45	MEASURED DIMENSION
123.45 (COMP)	COMPUTED DIMENSION
---	RECORDED DIMENSION
○	FOUND IRON PIPE OR IRON ROD
●	SET 1/2 INCH IRON ROD
●	PERMANENT SURVEY MONUMENT
●	I.O.T. STD. 2135 (TO BE SET BY OTHERS)
+	CUT CROSS FOUND OR SET
---	SAME OWNERSHIP
TEL	EXISTING TELEPHONE SPLICE BOX
LC	EXISTING STREET LIGHT
MAIL BOX	EXISTING MAIL BOX
WELL	EXISTING WELL HEAD

■ STAKING OF PROPOSED RIGHT OF WAY. SET 1/2 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 1/2 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



STATE OF ILLINOIS)
COUNTY OF WILL) SS

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DATED AT JOLIET, ILLINOIS THIS 11th DAY OF OCTOBER 2007 A.D.

Ronald F. Hodgen
RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-2006

RUETTIGER, TONELLI & ASSOCIATES, INC.
Lead Surveyors/Engineers/Planners/Landscape Architects/C.S. Consultants
2174 ONEIDA STREET JOLIET, ILLINOIS 62455
2603 SOUTH WASHINGTON STREET SUITE 170 NAPERVILLE, ILLINOIS 62565
PH. (815) 744-6600 FAX (815) 744-0101 PH. (630) 420-7740 FAX (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
U.S. 45 at E.J.&E. RAILWAY UNDERPASS

WILL COUNTY
JOB NO. R-91-025-06
STATION 56+78 TO STATION 61+00

SCALE: 1"=20' SHEET 6 OF 7

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHAMBERG, ILLINOIS 60196

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
						TEMP ACRES	PERM ACRES			
IFZ0007	TBI GROUP, INC.	17.461	N/A	N/A	17.461	TE-A-0.149 TE-B-0.003 129s.f.	0.033	CONST.	09-29-400-015	
IFZ0008	MURINO FAMILY, LLC	SEE NOTE 1	N/A	N/A	SEE NOTE 1	TE-A-0.051 TE-B-0.006 259 s.f.	N/A	CONST.	09-28-300-008	

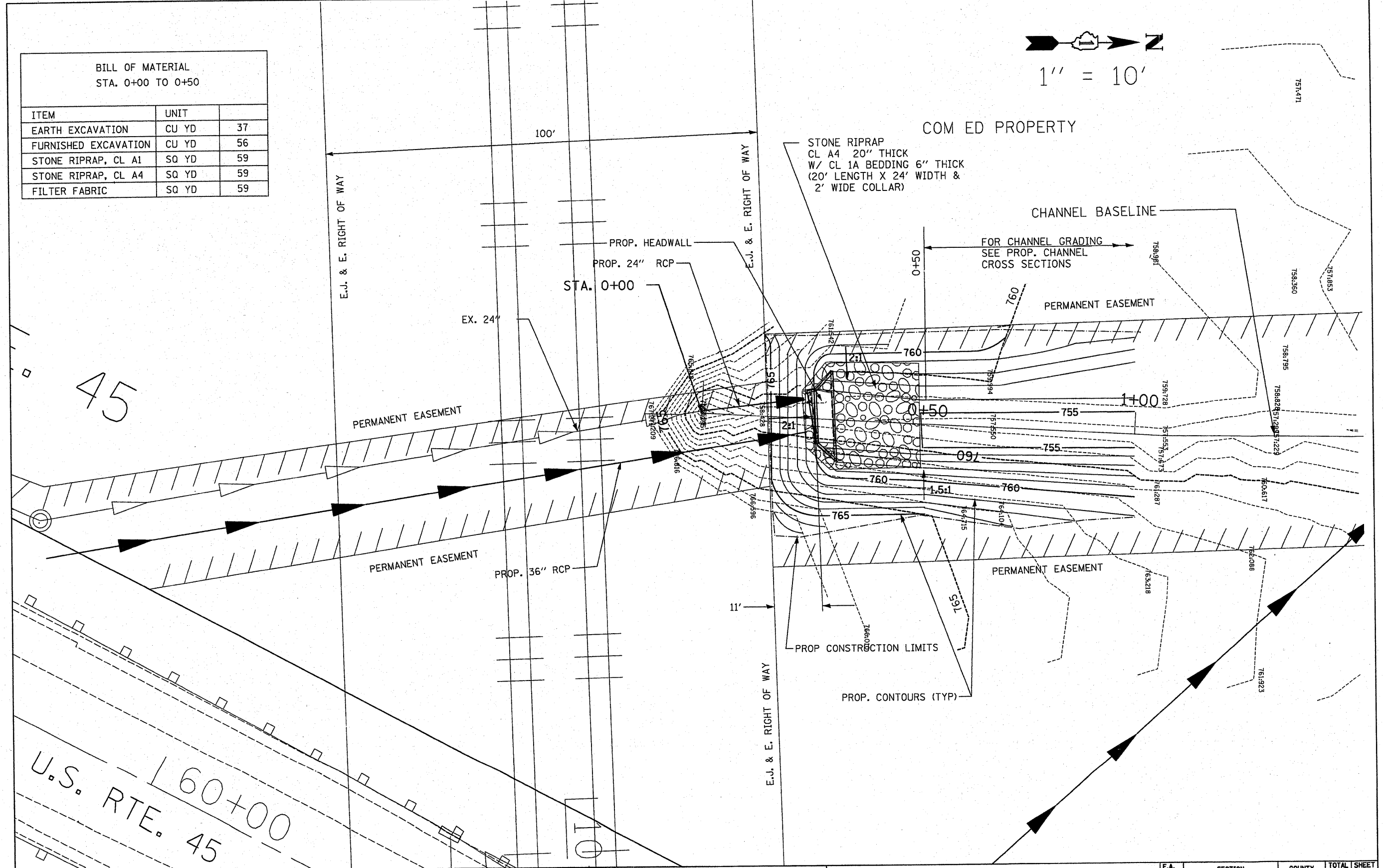
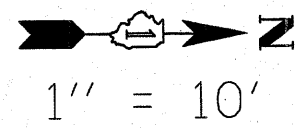
SCANNED

RECEIVED
OCT 18 2007
PLATS & LEGALS

REVISED 10/10/07 - PER IDOT
REVISED 7/11/06

BILL OF MATERIAL
STA. 0+00 TO 0+50

ITEM	UNIT	QUANTITY
EARTH EXCAVATION	CU YD	37
FURNISHED EXCAVATION	CU YD	56
STONE RIPRAP, CL A1	SQ YD	59
STONE RIPRAP, CL A4	SQ YD	59
FILTER FABRIC	SQ YD	59



45
U.S. RTE. 45
160+00

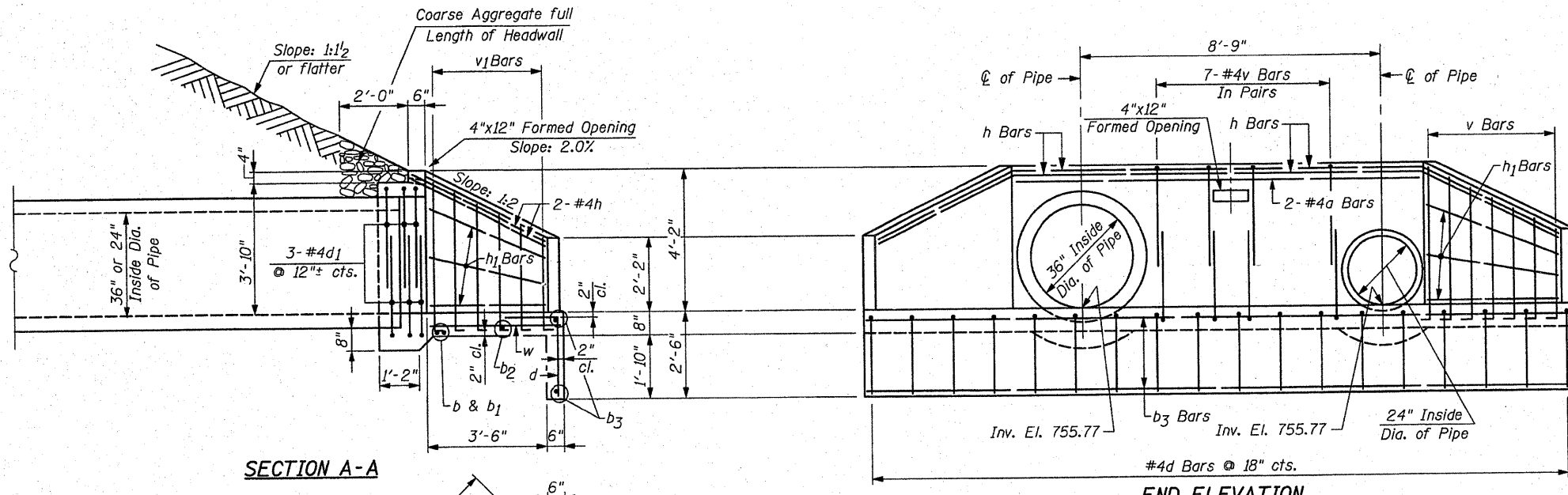
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED GRADING AND RIPRAP
24" & 36" HEADWALL
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-T-3	WILL	32	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60B09	

E:\11253636\60B09\60B09.dwg 2/12/2005 10:13:03 AM



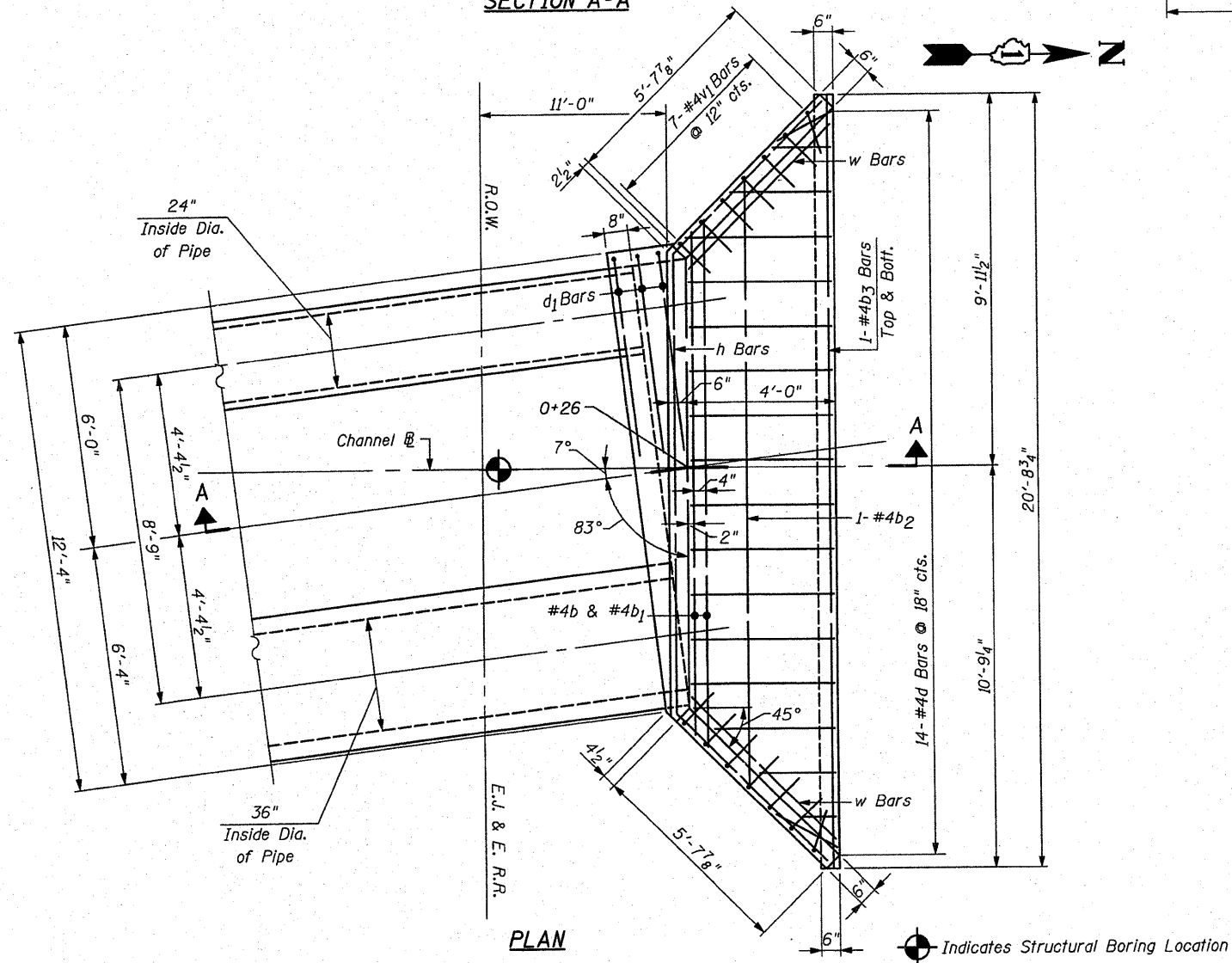
SECTION A-A

END ELEVATION

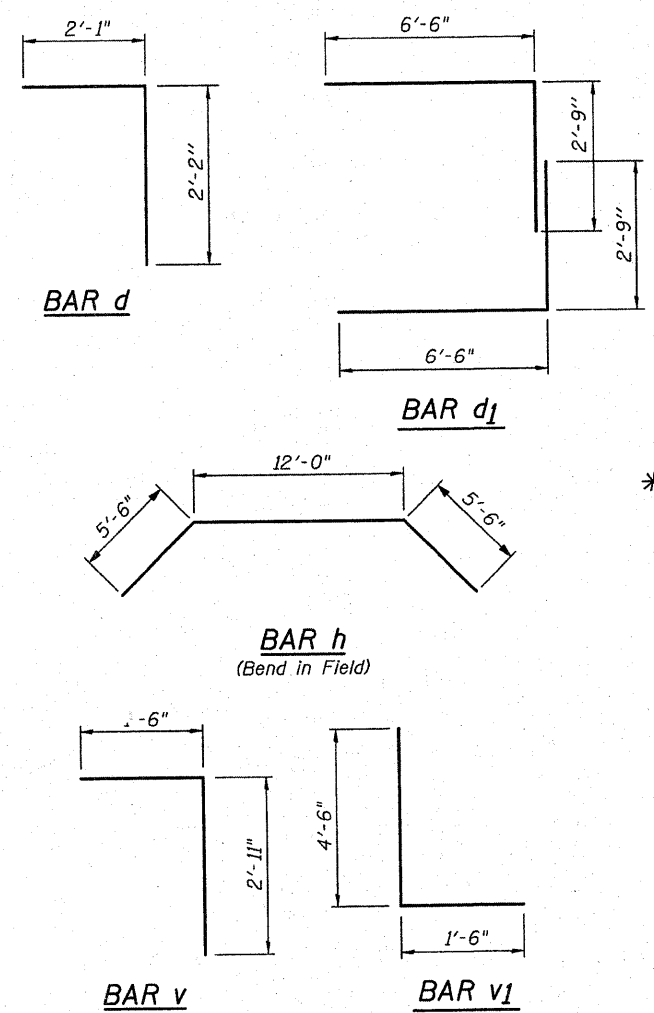
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	2	#4	12'-0"	—
b	1	#4	13'-3"	—
b1	1	#4	13'-9"	—
b2	1	#4	16'-0"	—
b3	2	#4	20'-4"	—
d	14	#4	4'-3"	┐
d1	6	#5	9'-3"	┐
h	2	#4	23'-0"	┌
h1	6	#4	5'-3"	—
v	14	#5	4'-5"	┐
v1	14	#5	6'-0"	L
w	2	#4	5'-4"	—
Concrete Headwalls			Cu. Yd.	4.5
Reinforcement Bars			Lb.	380

* Cut In Field To Fit



PLAN



FILE NAME =	USER NAME = #USER#	DESIGNED - B.N.S.	REVISED -
#FILE#		DRAWN - D.L. / F.M.	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - B.N.S. / J.C.N.	REVISED -
	PLOT DATE = #DATE#	DATE - FEBRUARY 10, 2008	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REINFORCED CONCRETE HEADWALL
U.S. 45 @ E.J. & E. RR
SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-3	WILL	32	18
CONTRACT NO. 60B09				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS / PLANNERS / SURVEYORS
211 W. WACKER DRIVE CHICAGO, IL 60608
PHONE: (312) 972-2023 FAX: (312) 972-5274

DRAWN BY: J. W. WACKER DATE: 2/11/08 1:15 PM



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 8/2/07

ROUTE FAP 330 (US 45) DESCRIPTION Proposed Headwall for Drainage LOGGED BY M. Esposito

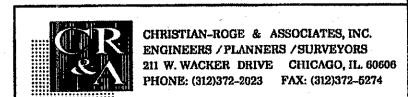
SECTION 104-T-3 LOCATION NE 1/4, SEC. 29, TWP. 35N, RNG. 12E, 3rd PM

COUNTY Will DRILLING METHOD Hand Auger HAMMER TYPE _____

STRUCT. NO.	Station	DEPTH	BULGE	UCS	MORIS	Surface Water Elev.	Stream Bed Elev.	
BORING NO.	Station	Offset	Ground Surface Elev.	Qu	T	Groundwater Elev.:	First Encounter	
		(ft)	(ft)	(/6")	(tsf)	(%)	Upon Completion	After
		ft	ft				ft	ft
			758.74					
				0.5	28			
				0.0				
			757.24	0.0				
				0.3	39			
				1.3				
				2.0	26			
				0.8				
			754.74	1.5	25			
Note: Unconfined compressive strength values based on measurements with a pocket penetrometer. Note: Railroad stationing was used for distance measurement. Benchmark used was TBM #1 a PK nail set in top of wood guard rail post sta. 58+91 / 24.7 ft. Rt CL of US 45. Elevation is 759.40 ft. End of Boring								
-5								
-10								
-15								
-20								

S:\GEO TECH PROGRAMS\INT\PROJECTS\WILLUS45\JEJ.MERR.GPJ.BB07

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS / PLANNERS / SURVEYORS
211 W. WACKER DRIVE CHICAGO, IL 60606
PHONE: (312)372-2023 FAX: (312)372-5274

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#FILE#		DRAWN - D.L. / F.M.	REVISED -
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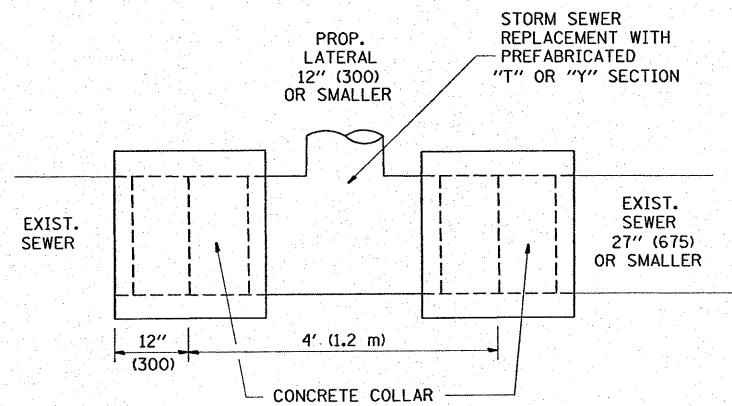
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS-1
U.S. 45 @ E.J. & E. RR

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

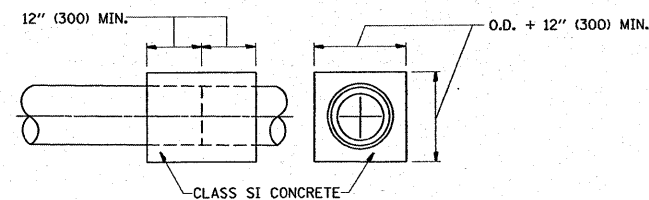
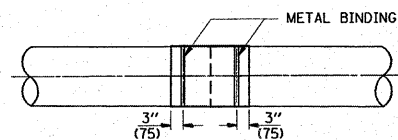
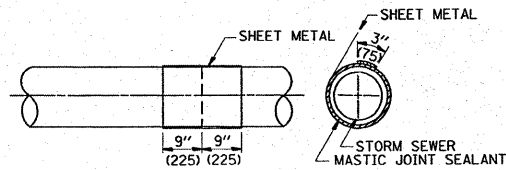
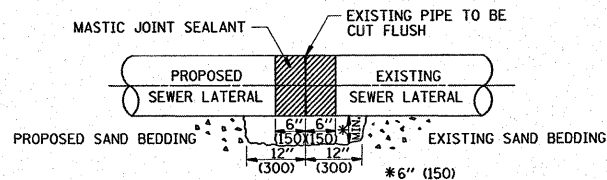
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-T-3	WILL	32	19
CONTRACT NO. 60B09				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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DETAIL "A"

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

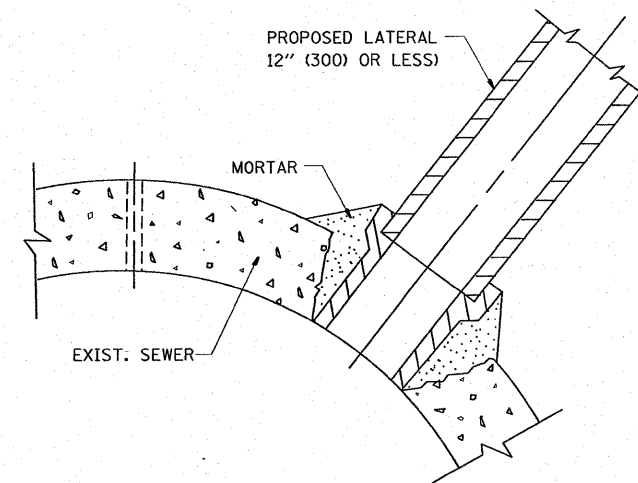


DETAIL "B"

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.

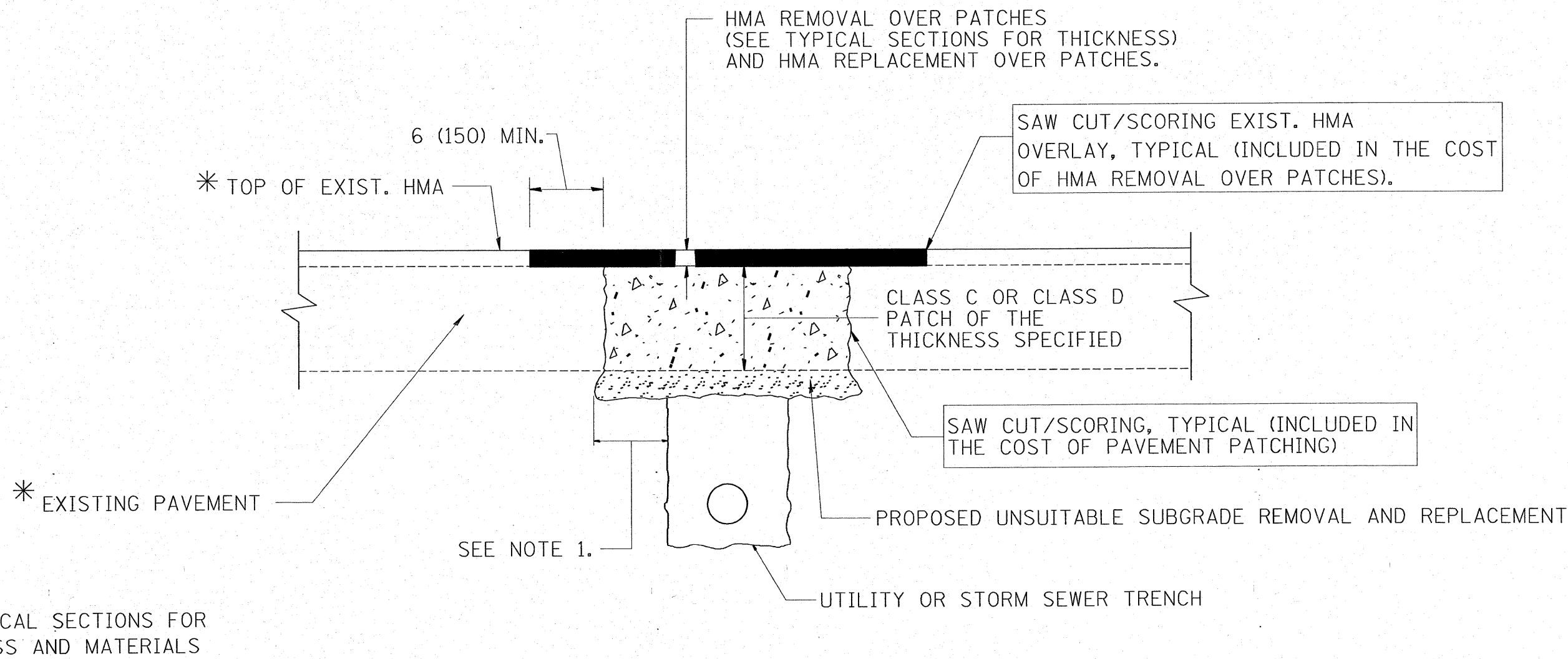
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = galbannb	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92
\\dist\inf\2\user\s\galbannb\desktop\bd07.dgn		DRAWN -	REVISED - R. SHAH 09-09-94
PLOT SCALE = 50.000' / IN.		CHECKED -	REVISED - R. SHAH 10-25-94
PLOT DATE = 12/27/2007		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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104 T-3	WILL	32	20
BD500-01 (BD-7)			CONTRACT NO. 60B09	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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

FILE NAME =	USER NAME = galbannb	DESIGNED - R. SHAH	REVISED - A. ABBAS 01-20-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\dist\infos2\users\galbannb\Desktop\bd2.dgn	DRAWN -	REVISED - A. ABBAS 04-27-98	330			104 T-3	WILL	32	21	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. BORO 01-01-07	BD400-04 (BD-22)			CONTRACT NO. 60B09				
PLOT DATE = 12/27/2007	DATE - 10-25-94	REVISED - R. BORO 09-04-07	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) **

18" (450) MAX.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SALT TOLERANT SOD AND TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

T/2 *

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

3" (75) MIN.

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

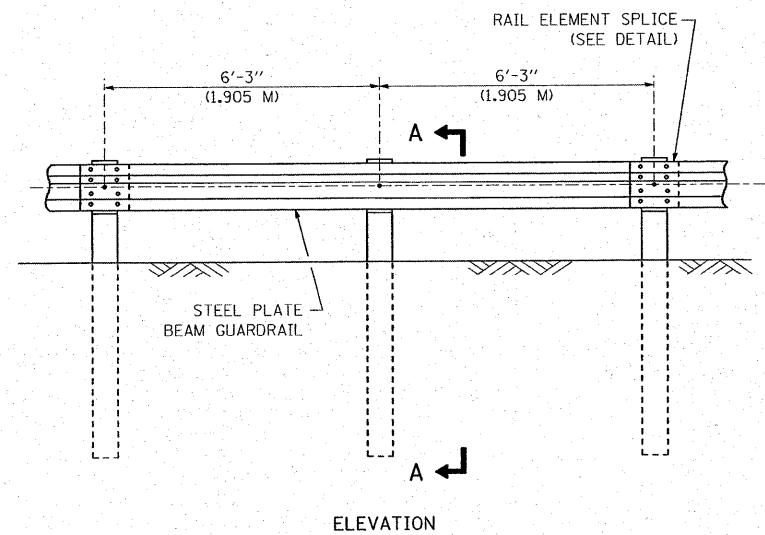
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\\dist\inf\fa2\users\galbannb\Desktop\bd2.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED - M. GOMEZ 01-22-01
PLOT DATE = 12/27/2007		DATE - 03-11-94	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

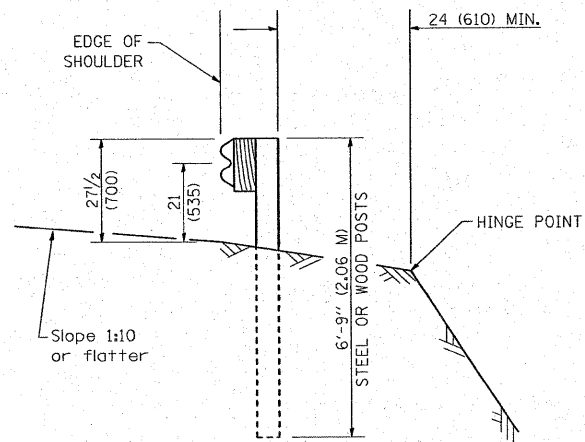
CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT

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

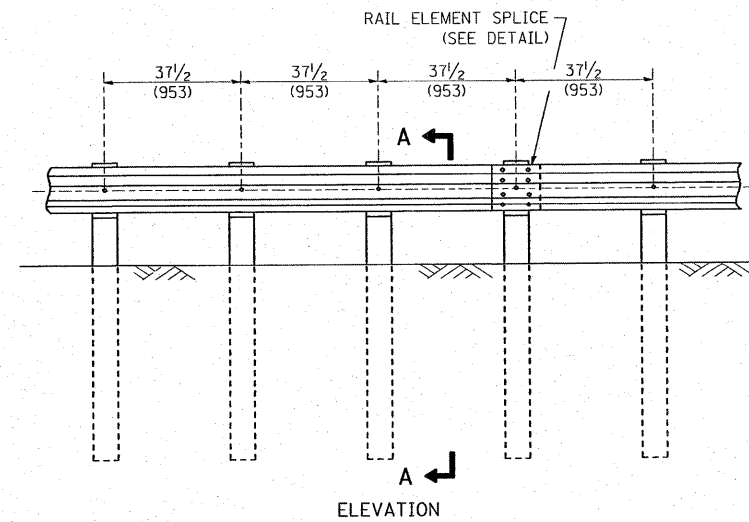
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104 T-3	WILL	32	22
BD600-06 (BD-24)			CONTRACT NO. 60B09	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



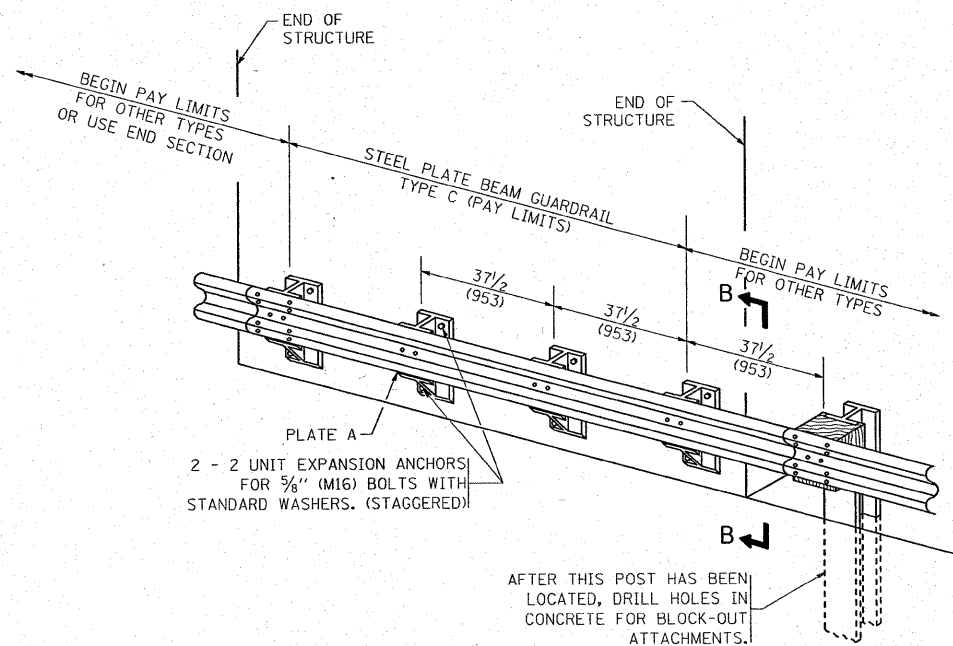
TYPE A
6'-3" (1.905 M) TYPICAL POST SPACING



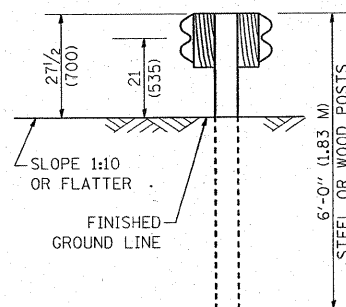
SECTION A-A



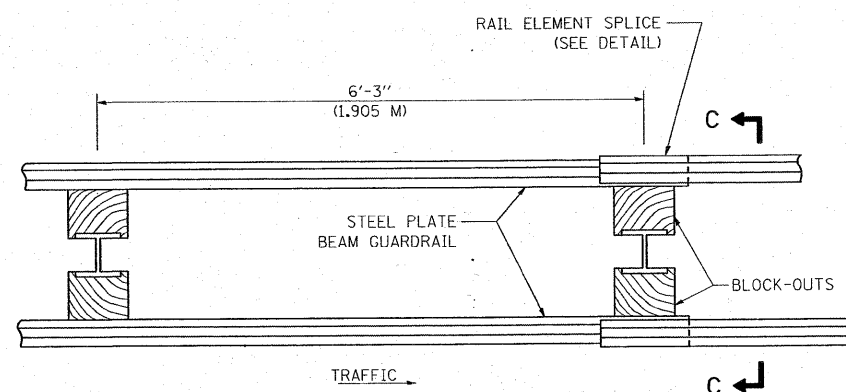
TYPE A
37 1/2 (953) CLOSED POST SPACING



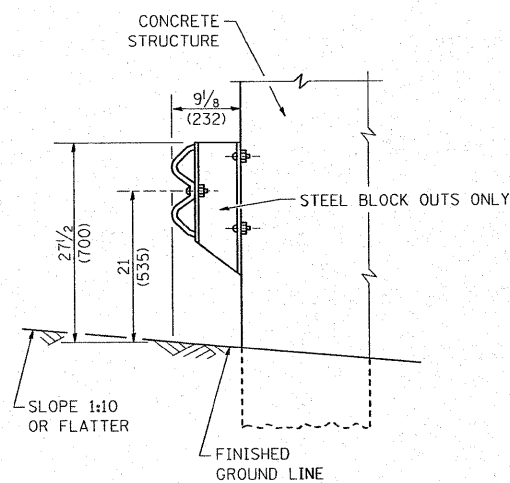
TYPE C
37 1/2 (953) BLOCK-OUT SPACING



SECTION C-C



TYPE D
DOUBLE STEEL PLATE BEAM GUARDRAIL
6'-3" (1.905 M) TYPICAL POST SPACING



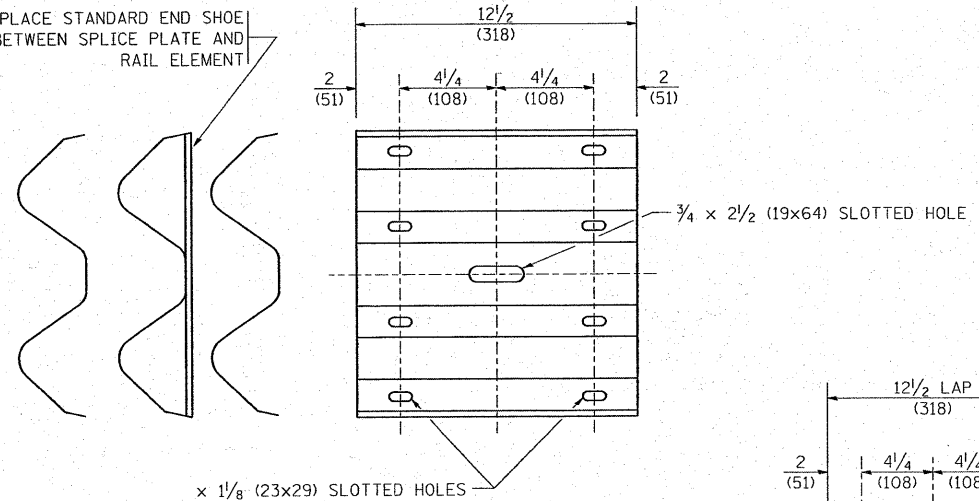
SECTION B-B

GENERAL NOTES

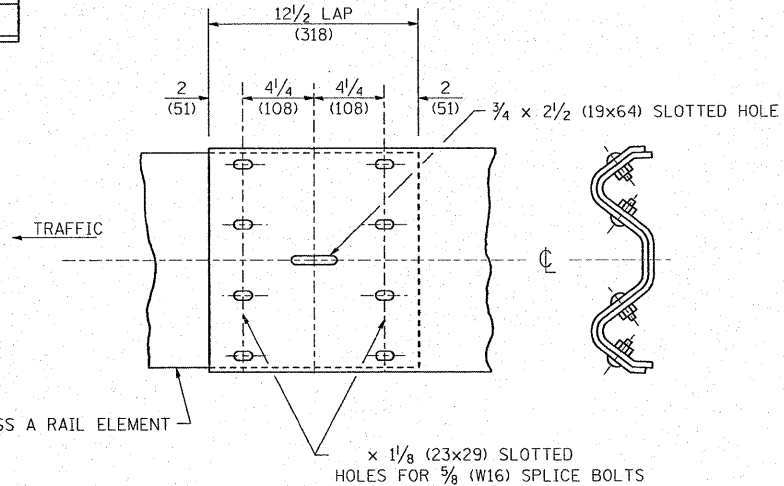
ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
THE EXISTING STEEL POSTS MAY BE DRILLED TO MATCH THE BOLT PATTERN SHOWN HEREIN FOR THE WOOD BLOCK-OUT, OR A NEW STEEL POST SHALL BE PROVIDED.
THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.

FILE NAME =	USER NAME = galbannb	DESIGNED -	REVISED - 10-31-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL		F.A.P. RTE. 330	SECTION 104 T-3	COUNTY WILL	TOTAL SHEETS 32	SHEET NO. 23	
\\dist\ntfs2\users\galbannb\Desktop\bm2.dgn	PLOT SCALE = 58.0000' / IN.	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 4 SHEETS	STA. TO STA.	BM-21 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
	PLOT DATE = 12/27/2007	CHECKED -	REVISED -									
		DATE -	REVISED -									

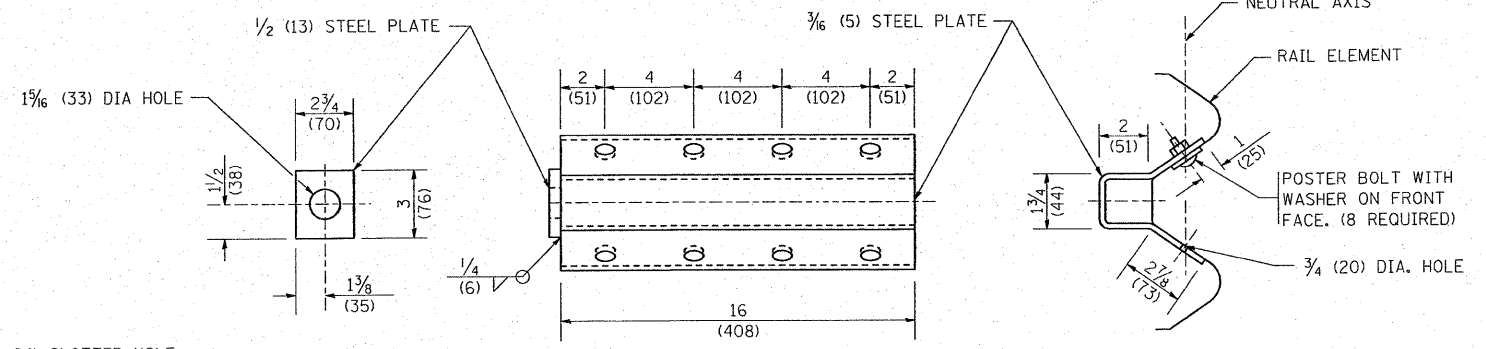
PLACE STANDARD END SHOE BETWEEN SPLICE PLATE AND RAIL ELEMENT



SPLICE PLATE



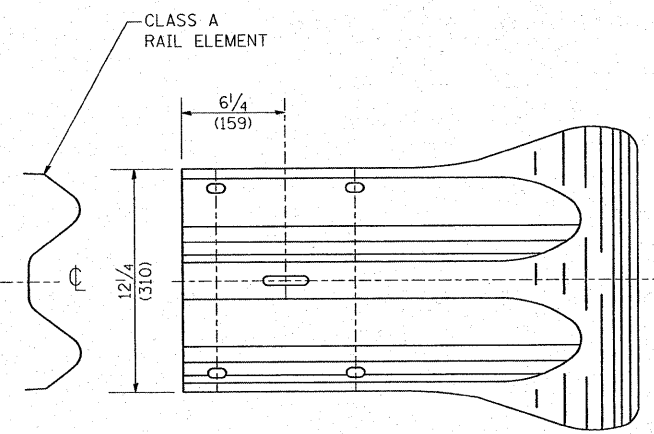
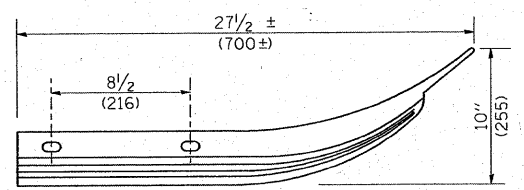
RAIL ELEMENT SPLICE



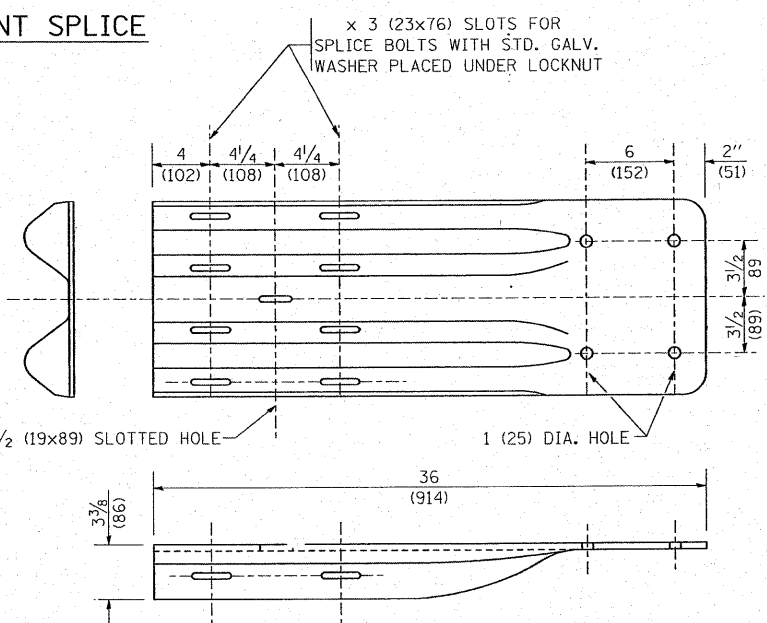
NOTE:

ANCHOR PLATE T SHALL BE USED TO ATTACH CABLE ASSEMBLY TO GUARDRAIL WHEN REQUIRED ON TRAFFIC BARRIER TERMINALS.

ANCHORE PLATE T DETAILS



END SECTION



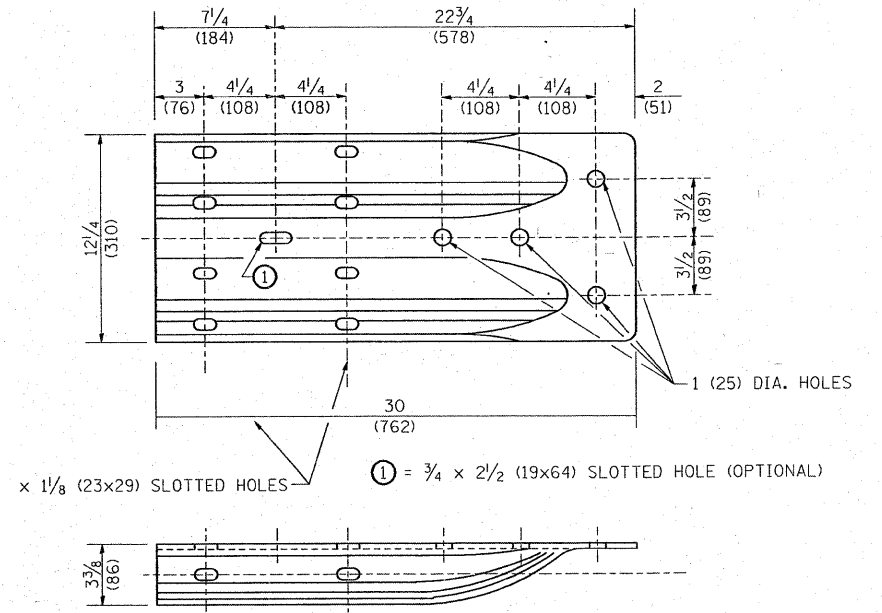
END SHOE

NOTE:

WHEN END SHOE IS ATTACHED TO A BRIDGE PARAPET WHICH HAS AN EXPANSION JOINT, THE BOLTS SHALL BE PROVIDED WITH A LOCKNUT OR DOUBLE NUT AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW GUARDRAIL MOVEMENT.

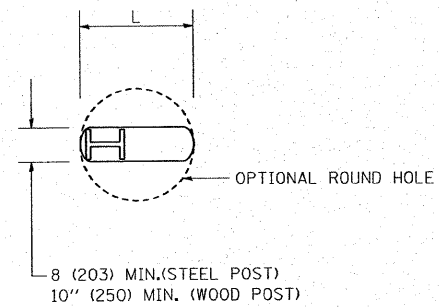
THE STANDARD END SHOE SHALL BE ATTACHED TO THE CONCRETE WITH PRE-DRILLED OR SELF-DRILLING ANCHOR BOLTS. THE ANCHOR CONE SHALL BE SET FLUSH WITH THE SURFACE OF THE CONCRETE.

EXTERNALLY THREADED STUDS PROTRUDING FROM THE SURFACE OF THE CONCRETE WILL NOT BE PERMITTED.

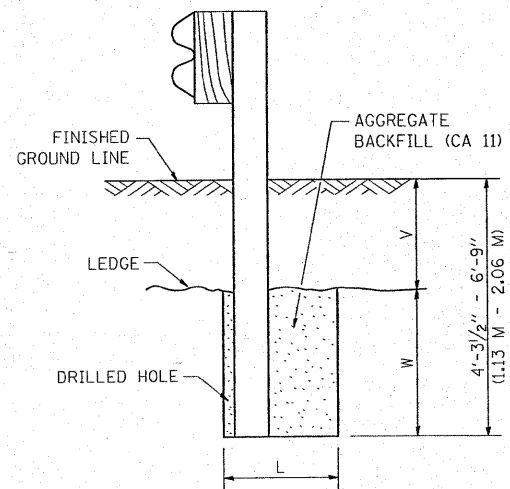


ALTERNATE END SHOE

FILE NAME =	USER NAME = galbannb	DESIGNED -	REVISED - 10-31-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\dist\Intfa2\users\galbannb\Desktop\bm2.dgn	DRAWN -	REVISED -	330			104 T-3	WILL	32	25	
PLOT SCALE = 50.0000 / IN.	CHECKED -	REVISED -	BM-21			CONTRACT NO. 60B09				
PLOT DATE = 12/27/2007	DATE -	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
				SCALE: NONE	SHEET NO. 3 OF 4 SHEETS	STA.	TO STA.			



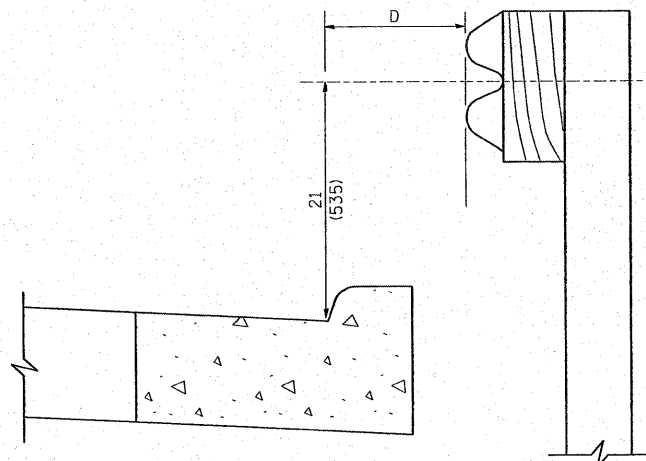
PLAN



NOTE:
LEDGE LINE IS TOP OF ROCK
LEDGE OR HARD SLAG FILL.

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS
MATERIAL IS ENCOUNTERED



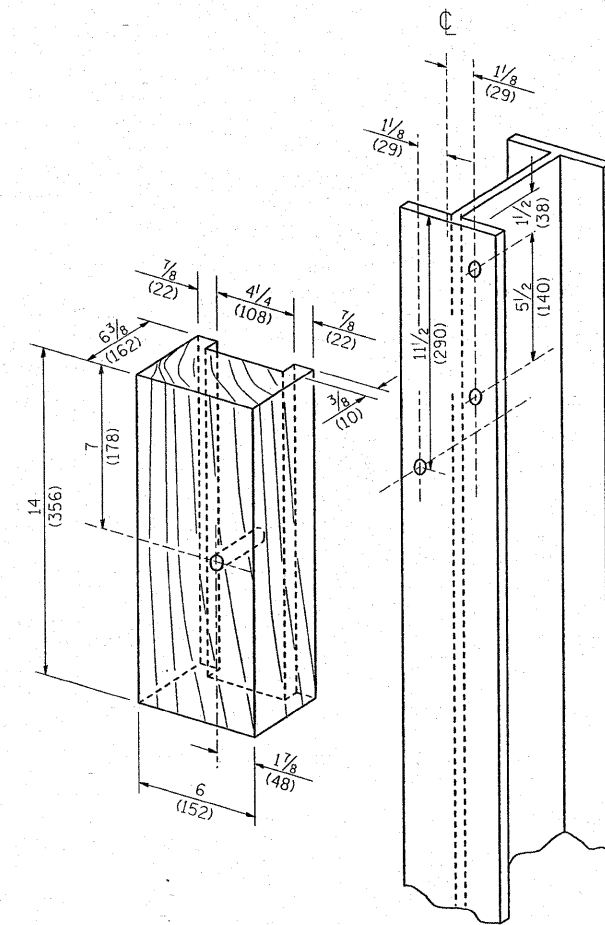
NOTE:

IF IT IS NECESSARY FOR D TO BE MORE THAN 12 (300) AND LESS THAN 10'-0" (3.0 M) TYPE M-2 (M-5) CURB AND GUTTER (STD. 60600) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

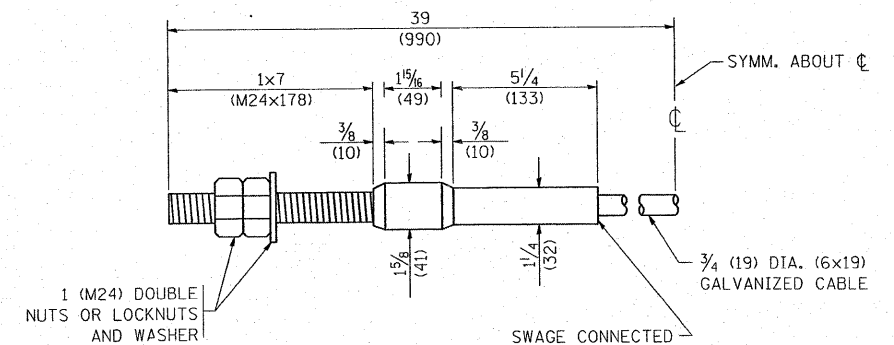
GUARDRAIL PLACED BEHIND CURB

(D = 0 DESIRABLE TO 12 (300) MAXIMUM)

V	W	L	
		STEEL POST	WOOD POST
0 - 18 (0 - 460)	24 (610)	21 (530)	23 (580)
>18 - 41.5 (> 460 - 825)	12 (305)	8 (203)	10 (250)
>41.5 - 53.5 (> 825 - 1.13 M)	12 - 0 (350 - 0)	8 (203)	10 (250)



WOOD BLOCK-OUT AND
STEEL POST DETAILS



CABLE ASSEMBLY

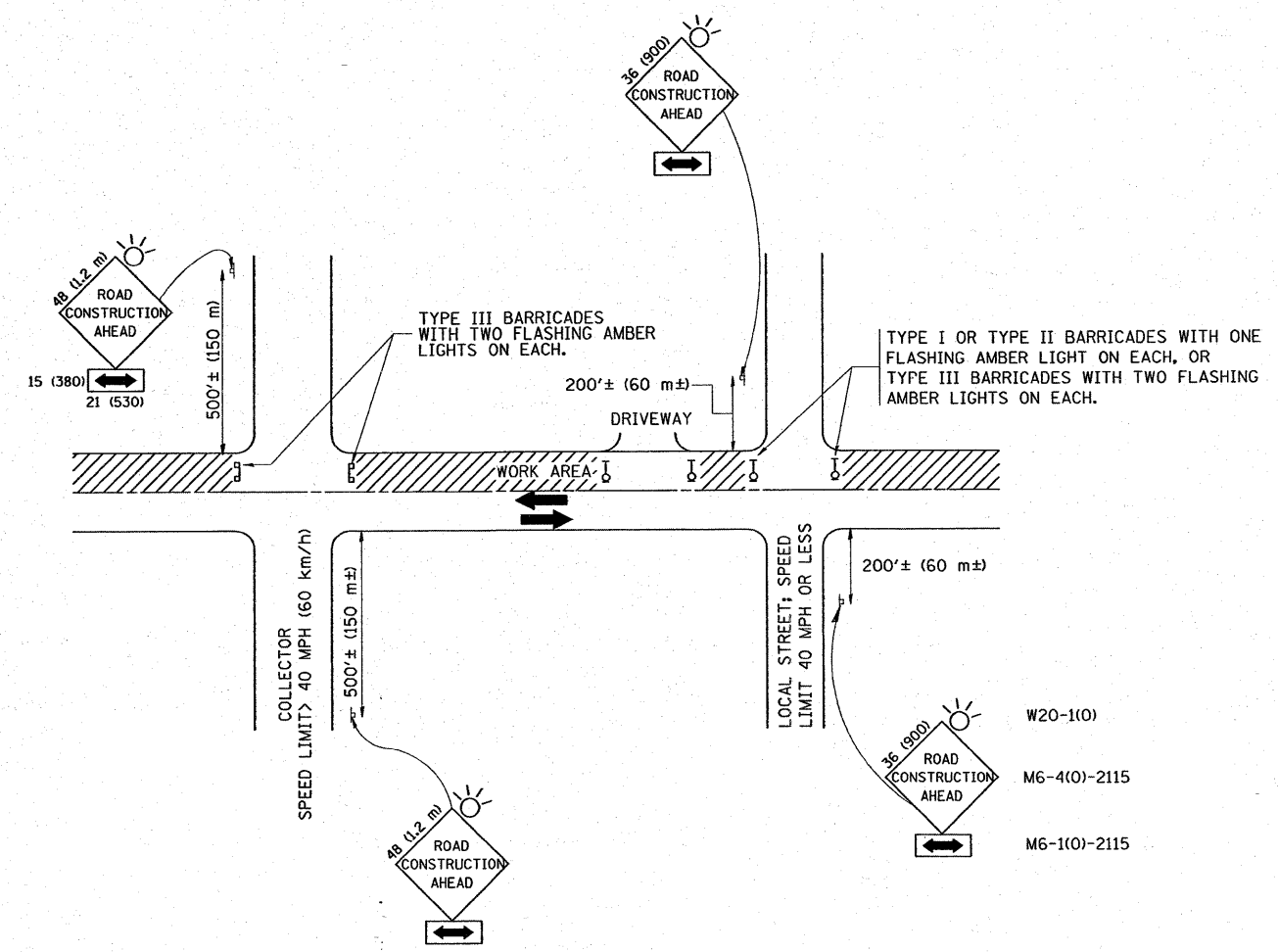
(40,000 LBS (18,100 KG) MIN. BREAKING STRENGTH)
TIGHTEN TO TAUT TENSION

FILE NAME =	USER NAME = galbannb	DESIGNED -	REVISED - 10-31-06
\\dist\inf\2\users\galbannb\Desktop\bm2.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 12/27/2007		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE	SHEET NO. 4 OF 4 SHEETS	STA.	TO STA.
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F.A.P. RTE. 330	SECTION 104 T-3	COUNTY WILL	TOTAL SHEETS 32	SHEET NO. 26
BM-21			CONTRACT NO. 60B09	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

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 AND FLAG 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. 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).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

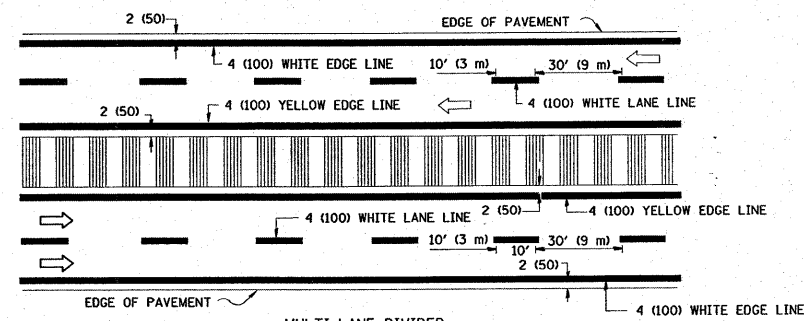
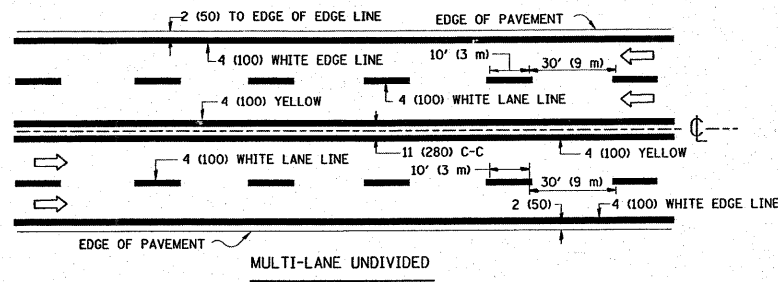
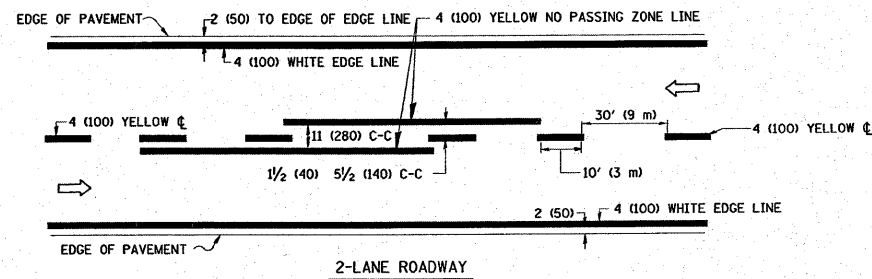
All dimensions are in millimeters (inches) unless otherwise shown.

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	PLOT SCALE = 50.000 / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

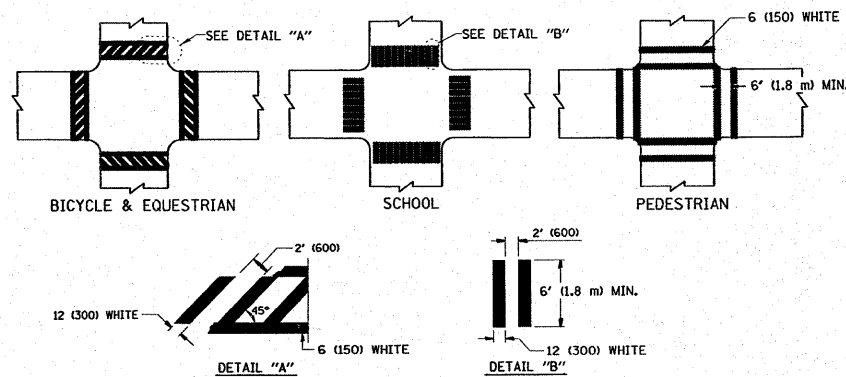
TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A.P. RTE. 330	SECTION 104 T-3	COUNTY WILL	TOTAL SHEETS 32	SHEET NO. 27
			TC-10		CONTRACT NO. 60B09		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

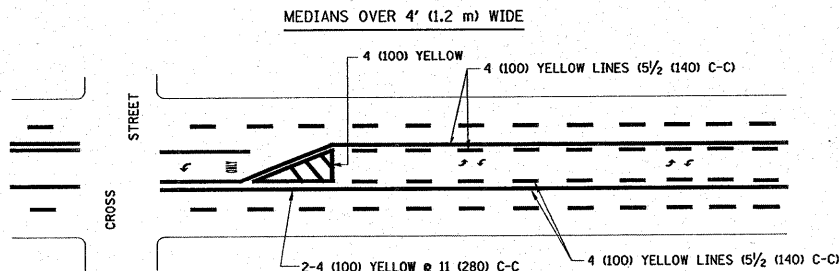
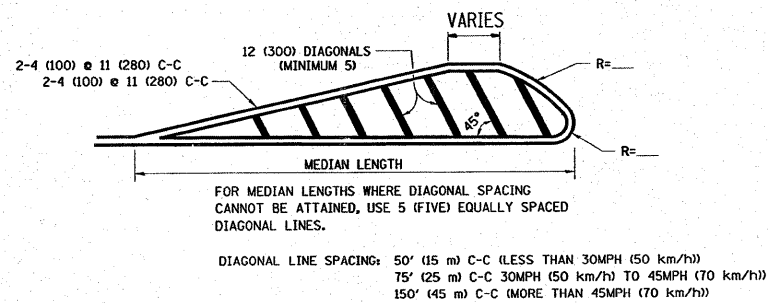
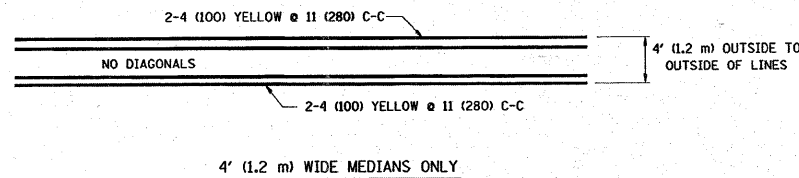


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

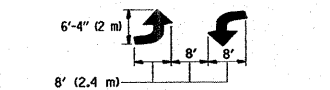
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

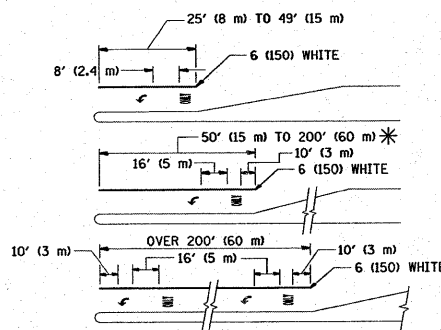


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

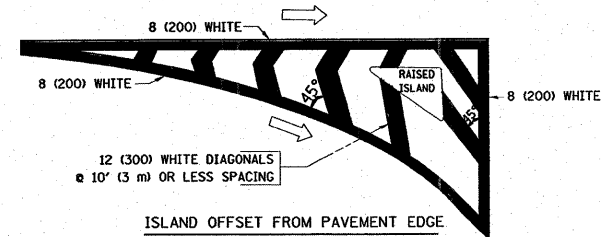
TYPICAL PAINTED MEDIAN MARKING



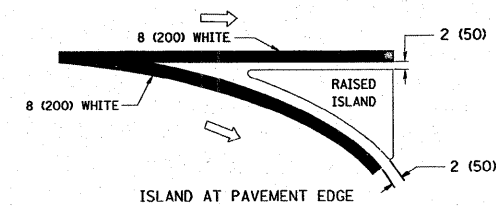
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

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 ONE DIRECTION 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 MOUNTABLE MEDIANS IN WHITE-LEFT YELLOW-EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
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 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.
GORE 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 (30MPH (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: "X"=3.6 SQ. FT. (0.33 m ²) EACH "RR"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	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))

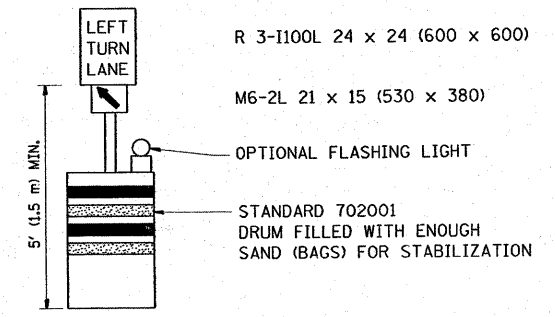
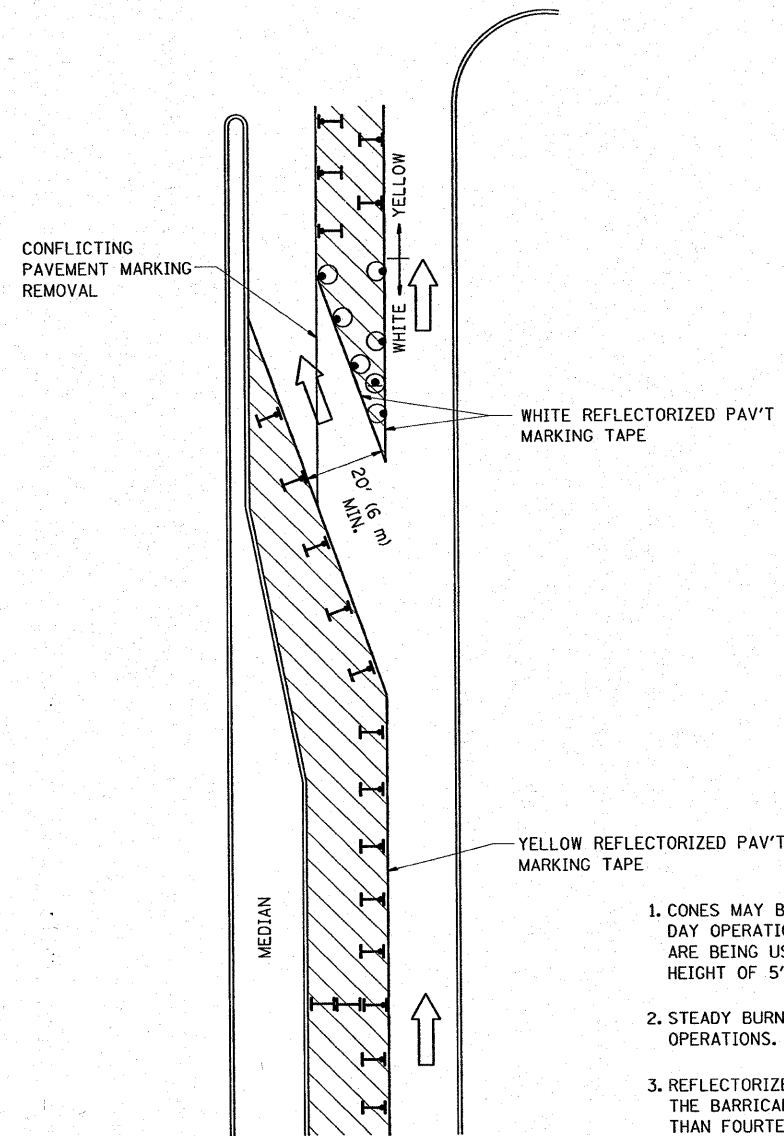
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

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		DRAWN -	REVISED - A. HOUSEH 10-09-96
	PLOT SCALE = 50.0000 "/ IN.	CHECKED -	REVISED - A. HOUSEH 10-17-96
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

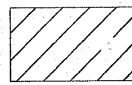





DISTRICT ONE		F.A.P. RTE. 330	SECTION 104 T-3	COUNTY WILL	TOTAL SHEETS 32	SHEET NO. 25
TYPICAL PAVEMENT MARKINGS		TC-13		CONTRACT NO. 60B09		
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



GENERAL NOTES

1. 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. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

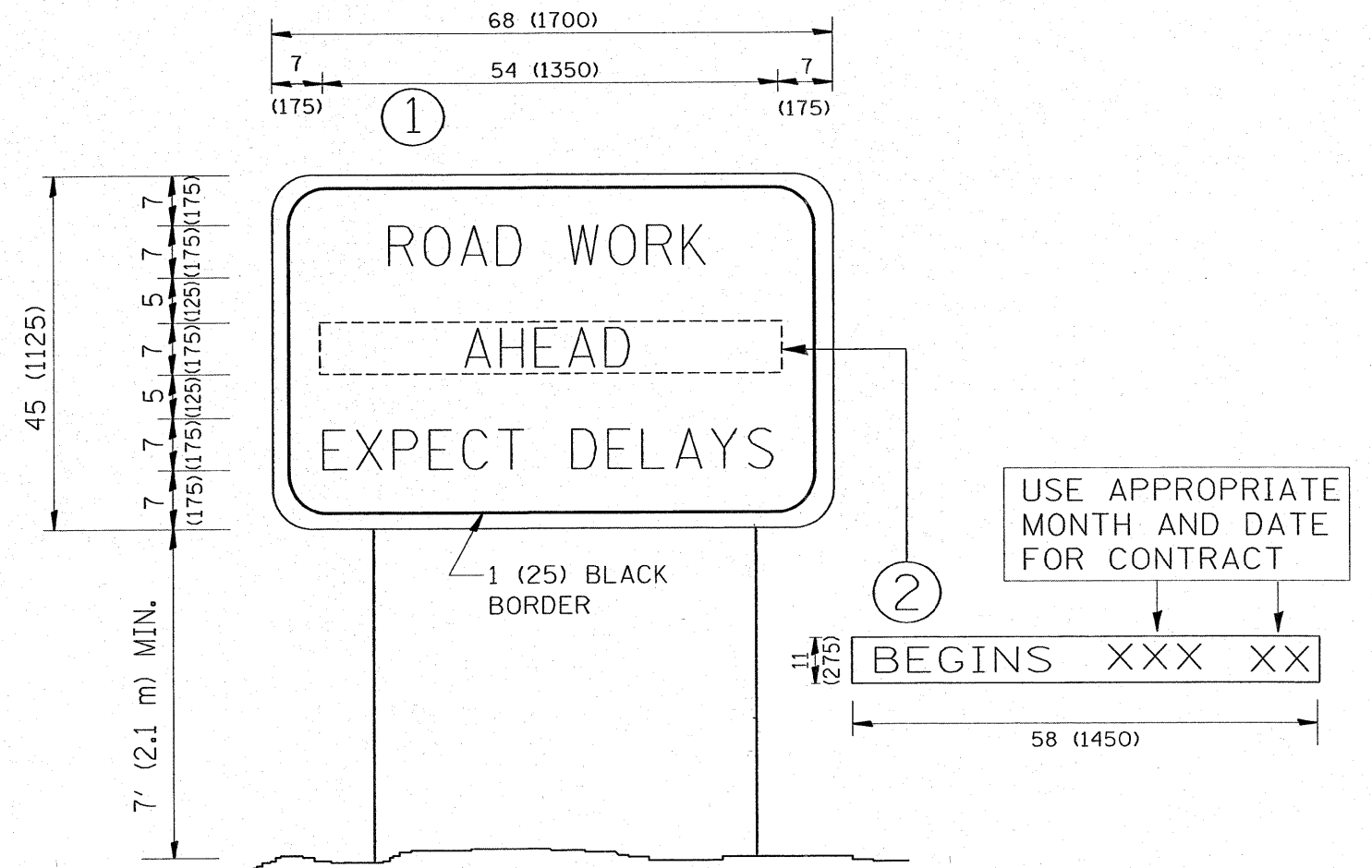
All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT DATE = 12/27/2007	DATE -	REVISED -T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104 T-3	WILL	52	29
TC-14		CONTRACT NO. 60B09		
FED. ROAD DIST. NO. 1 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.

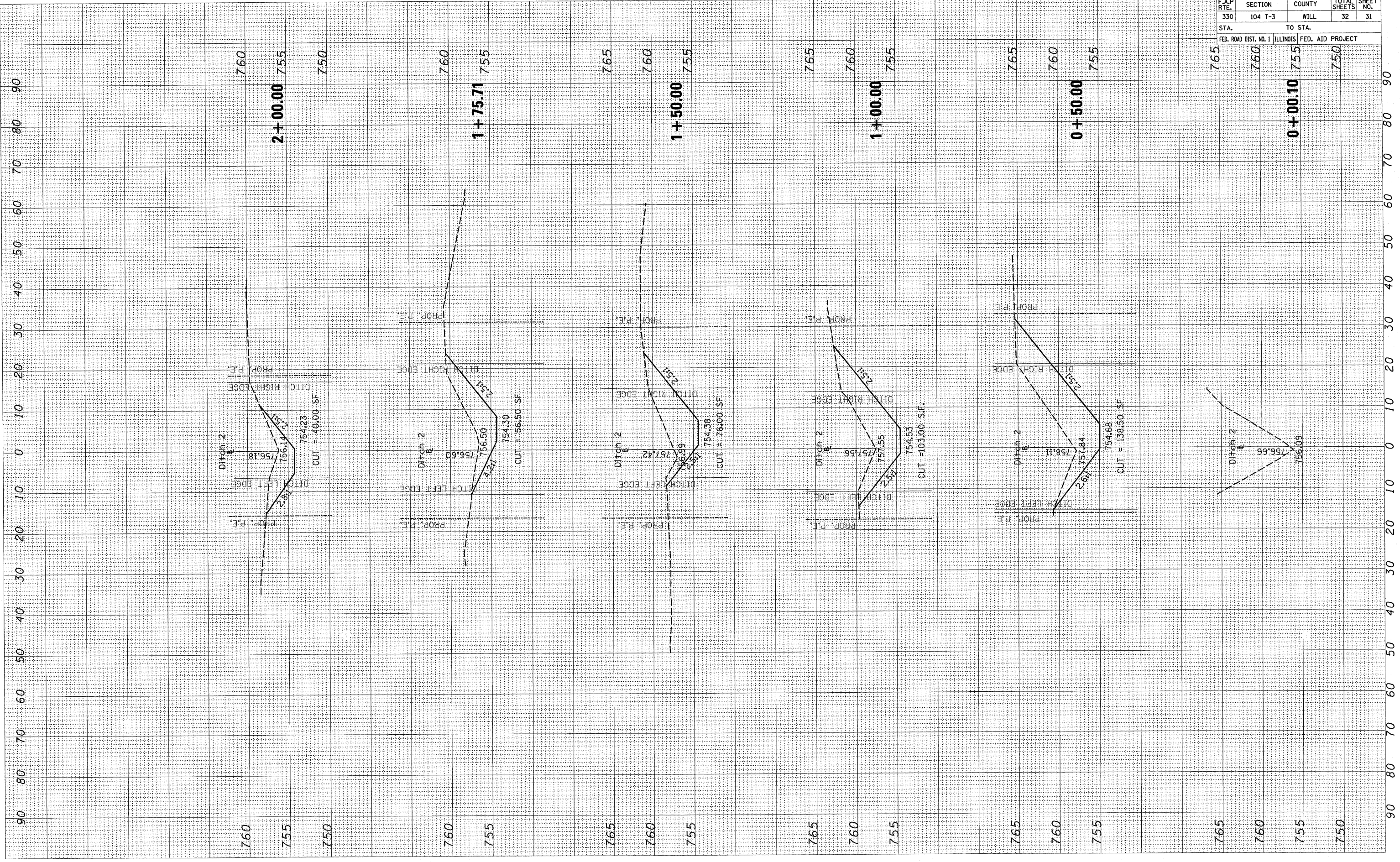
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PLOT SCALE = 50,000 ' / IN.	CHECKED -	REVISED - C. JUCIUS 01-31-07			SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	CONTRACT NO. 60B09	
PLOT DATE = 12/27/2007	DATE -				TC-22		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT					

PLOT DATE = 7/9/2008
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ORIGINAL SURVEY SHOWN
 SURVEY PLOTTED
 TEMPLATE
 NO. AREAS CHECKED

FINAL SURVEY SHOWN
 SURVEY PLOTTED
 NOTE BOOK
 NO. AREAS CHECKED

BY
 DATE



CONTRACT NO. 60B09				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104 T-3	WILL	32	31
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
765	760	0+00.10	755	750

