

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	1

+2  
201 Total Sheets

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

F.A.P. 332 (U.S. ROUTE 45)  
SECTION 31-1-2, 31B  
PROJECT: NHF-0332(079)  
SALINE COUNTY  
C-99-084-01



FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEETS NO. 4-6

**DESIGN DESIGNATION**  
1510(25) ARTERIAL 4.27 (FD-20)

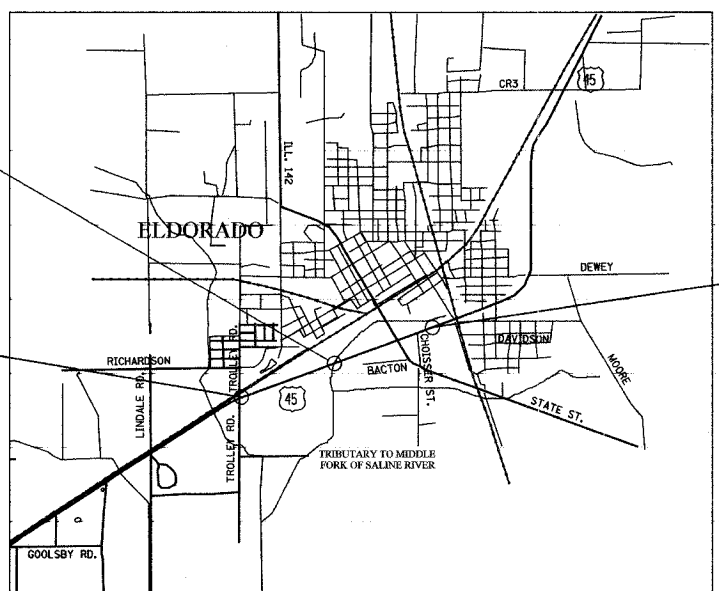
**TRAFFIC INFORMATION**  
US ROUTE 45:  
2001 ADT: 9400  
IL 142:  
2001 ADT: 8300



STA. 365+86.00  
PROPOSED STRUCTURE SNO83-2014  
REINFORCED CONCRETE TRIPLE 9' X 9'  
BOX CULVERT, 62' ROADWAY WIDTH,  
130'-9 3/4" LONG PARAPET TO PARAPET  
EXISTING STRUCTURE SN 083-0008

BEGIN PROJECT  
STA. 338+65.10

END PROJECT  
STA. 395+31.47



EAST ELDORADO TOWNSHIP  
NOT TO SCALE

NET LENGTH OF CENTERLINE 5,666.37 FT.  
GROSS LENGTH OF PROJECT 5,666.37 FT., 1.073 MI.  
NET LENGTH OF PROJECT 5,666.37 FT., 1.073 MI.

**ab** alfred benesch & company  
CONSULTING ENGINEERS  
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

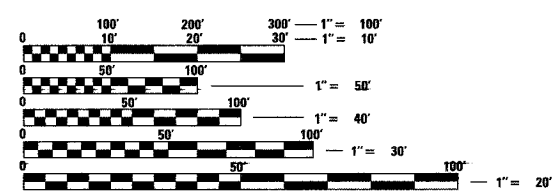
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED May 20 20 05  
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July 1 20 05  
Mike Nire  
ENGINEER OF DESIGN / AND ENVIRONMENT

July 1 20 05  
Victor Mader  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**



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

CONTRACT NO. 98631

PROJECT ENGINEER: CHARLES STEIN (618) - 549-2171  
SENIOR SQUAD LEADER: NANCY HEIL CENTREX 782-4554

M:\PROJECTS\ROADWAY\CONTRACT\GENE  
Referenced File  
061507-0-352624.dgn  
Active File  
C:\01-352624.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	2
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

INDEX

1	COVER SHEET
2	INDEX OF SHEETS, STANDARDS
3	GENERAL NOTES
3A	COMMITMENTS
4-6	SUMMARY OF QUANTITIES
7-14	TYPICAL SECTIONS
15	PAVED SHOULDER REMOVAL, PAVEMENT REMOVAL, EARTHWORK, SHOULDERS, DRIVEWAY PAVEMENT REMOVAL SCHEDULES
16	NEW PAVEMENT, WIDENING AND RESURFACING SCHEDULE
17	PROPOSED CONCRETE CURB & GUTTER SCHEDULE
18-19	STORM SEWERS & END SECTIONS SCHEDULES
20	PAVEMENT MARKINGS, RAISED REFLECTIVE PAVEMENT MARKERS, GUARDRAIL REMOVAL, TREE REMOVAL SCHEDULES
21	ENTRANCES SCHEDULE
22	PIPE CULVERTS AND END SECTIONS, PIPE CULVERT REMOVAL, EROSION CONTROL, SEEDING AND STORM SEWER REMOVAL SCHEDULES
23	INLETS & MANHOLES, MANHOLES ADJUSTMENT SCHEDULES
24	RIPRAP, INLET & MANHOLE REMOVAL SCHEDULES
25-26	ALIGNMENTS AND TIES
27	MAINTENANCE OF TRAFFIC - GENERAL NOTES, TEMPORARY ACCESS DETAIL
28-32	MAINTENANCE OF TRAFFIC - STAGE 1A
33-37	MAINTENANCE OF TRAFFIC - STAGE 1B
38-40	MAINTENANCE OF TRAFFIC - STAGES OF CONSTRUCTION AT US 45 AND ILL 142
41-51	PLAN PROFILE - US 45
52-53	PLAN PROFILE - ILL. RTE. 142
54-64	DRAINAGE AND UTILITIES PLAN PROFILE - US 45
65-66	DRAINAGE AND UTILITIES PLAN PROFILE - ILL. RTE. 142
67-69	SOILS PROFILES - US 45
70	RIGHT OF WAY PLAN
71-81	TEMPORARY EROSION CONTROL PLAN - US 45
82-83	TEMPORARY EROSION CONTROL PLAN - ILL. RTE. 142
84	GEOMETRICS - ILL. 142/STATE ST.
85	SUPERELEVATION TRANSITION DETAIL - URBAN
86-91	PAVEMENT MARKING
92-94	TRAFFIC SIGNALS - IL RTE 142
95-97	LIGHTING - IL RTE 142
98-104	BOX CULVERT
105-108	CHANNEL IMPROVEMENTS - TRIBUTARY TO MIDDLE FORK OF SALINE RIVER
109-111	CHANNEL IMPROVEMENTS - DRAINAGE DITCH
112	DETAILS: INLET SPECIAL, TYPE 3, 5 FEET AND 6 FEET, UNEVEN PAVEMENT SIGN
113	DETAILS: SLOPES & INCIDENTAL GRADING, STEP CONSTRUCTION, SEEDING & MULCHING
114	DETAILS: URBAN SIDEROADS AND ENTRANCES
115	DETAILS: U.S. RTE 45 JOINT AT 339+49.68; BUTT JOINTS, TEMPORARY BITUMINOUS TRANSITIONS
116	DETAILS: OUTDOOR LIGHTING CONTROL CABINET, SERVICE INSTALLATION, DETECTOR LOOPS, POLE BASE WIRING & LUMINAIRE MOUNTING
117	SHEET LEFT INTENTIONALLY BLANK
118	DETAILS: POLE STANDARDS
119	DETAILS: ILLINOIS STANDARD W8-1106, DRAINAGE RESTRICTOR, TRENCH DRAIN WITH GRATED COVER, CONCRETE CURB TYPE B (STA. 352+42.7 TO STA. 352+85.6)
120	DETAILS: SEDIMENT BASIN
121-184	CROSS SECTIONS - US 45
185-199	CROSS SECTIONS - ILL. RTE. 142

STATE STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
406201	MAILBOX TURNOUT
420001-06	PAVEMENT JOINTS
420101-03	7.2M (24') JOINTED PCC PAVEMENT
420106-03	10.8M (36') JOINTED PCC PAVEMENT
442201-01	CLASS C AND D PATCHES
482001	BITUMINOUS SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-01	BIT. SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION FOR 600MM (24") THRU 1300MM (54") PIPE
542401	METAL END SECTION FOR PIPE CULVERTS
602301	INLET, TYPE A
602306	INLET, TYPE B
602401	MANHOLE, TYPE A
602701	CAST IRON STEPS
604001-02	FRAME AND LIDS, TYPE 1
604036-01	GRATE, TYPE B
604071-02	FRAME AND GRATE, TYPE 20
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-02	PC CONCRETE ISLANDS AND MEDIANS
701001-01	OFF-ROAD OPERATIONS, 2L 2W, MORE THAN 4.5M (15') MIN. AWAY
701006-02	OFF-ROAD OPERATIONS, 2L 2W, 4.5M (15') TO 600 MM (24") FROM PAVEMENT EDGE
701011-01	OFF-ROAD MOVING OPERATIONS, 2L 2W, DAY ONLY
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS >= 45 MPH
701301-02	LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-02	LANE CLOSURE, 2L 2W, MOVING DAY OPERATIONS-DAY ONLY
701326-02	LANE CLOSURE, 2L 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
701426-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS >= 45 MPH
701501-03	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701502-01	URBAN LANE CLOSURE, 2L, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701602-02	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
702001-05	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
720001	SIGN PANEL MOUNTING DETAILS
720006	SIGN PANEL ERECTION DETAILS
720016-01	MAST ARM MOUNTED STREET NAME SIGNS
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
813001-01	JUNCTION BOXES
814001-01	CONCRETE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
878001-03	CONCRETE FOUNDATION DETAILS
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

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ASSISTANT REGIONAL ENGINEER

Approved By: \_\_\_\_\_  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

DATE \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**GENERAL NOTES**

1) THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

2) IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16 THE CONTRACTOR MUST PROTECT THE SURFACE OF ALL BRIDGE DECKS AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURE. PROTECTION MUST BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 101.16 REGARDLESS IF TRACK MOUNTED OR WHEELED.

3) IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS WILL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.

4) THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES WILL NOT EXCEED 0.08 FT./FT. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES MUST BE FLATTENED ACCORDINGLY.

5) FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND MUST NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL BITUMINOUS CONCRETE 2.016 TONS/CU.YD.

ALL AGGREGATE 2.05 TONS/CU.YD.

**BITUMINOUS MATERIALS:**

ON PAVEMENT 0.09 GAL./SQ.YD.

INTERMEDIATE LIFTS(FOG COAT) 0.04 GAL./SQ.YD.

ON AGGREGATE SURFACE 0.32 GAL./SQ.YD.

AGGREGATE (PRIME COAT) 0.0015 TONS/SQ.YD.

RIPRAP 1.50 TONS/CU.YD.

**PROCESSING LIME MODIFIED SOILS:**

LIME 6% WEIGHT OF EARTH (TON)

EARTH 110 LB/CU. FT.

WATER 500 GAL/TON OF LIME (1,000 GAL/UNIT)

6) TREES MUST BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, MUST NOT BE DISTURBED.

7) QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED WILL BE DETERMINED BY THE ENGINEER.

8) FORMS FOR CONCRETE CURB OR COMBINATION CONCRETE CURB AND GUTTER WILL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

9) PROTECTIVE COAT WILL BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB, AND MEDIAN SURFACE AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS OF ARTICLE 420.21.

10) ANY MIXING OR PLACEMENT OF BITUMINOUS MIXTURES OCCURRING PRIOR TO THE TEST STRIP EVALUATION IS AT THE CONTRACTOR'S OWN RISK.

11) TRENCH BACKFILL REQUIRED FOR STORM SEWER, SANITARY SEWER, OR WATER MAINS MUST ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.

12) WHEN WIDENING FLEXIBLE BASE PAVEMENT, THE CONTRACTOR WILL TRIM EXISTING SURFACE AND BASE TO A FIRM, NEAR VERTICAL PLANE BEFORE CONSTRUCTING THE WIDENING. THE COST OF THIS REQUIREMENT IS INCLUDED IN THE UNIT PRICE BID FOR THE BASE COURSE WIDENING.

13) ADDITIONAL WIDTH OF GUTTER FLAG, AT LOCATIONS INDICATED ON THE PLANS, WILL BE POURED MONOLITHICALLY WITH THE NORMAL GUTTER FLAG AND WILL NOT BE MEASURED NOR PAID FOR SEPARATELY.

14) AT ALL LOCATIONS WHERE THE PROPOSED BITUMINOUS OR CONCRETE PAVEMENT JOINS AN EXISTING BITUMINOUS OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT WILL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

15) ALL BUILDINGS AND BUILDING DEBRIS, WHETHER SHOWN ON THE PLANS OR NOT, WITHIN THE LIMITS OF THE RIGHT OF WAY WILL BE REMOVED AND DISPOSED OF ACCORDING TO SECTION 201.

16) SUBBASE GRANULAR MATERIAL TYPE C IS INCLUDED IN THE COST OF THE IMPROVED SUBGRADE.

17) THE QUANTITY SHOWN FOR MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS IS AN ESTIMATE. THE ACTUAL AMOUNT USED WILL BE DETERMINED BY THE ENGINEER.

18) THE CONTRACTOR WILL STAMP STATIONING IN THE BITUMINOUS SURFACE AT 300 FT. INTERVALS ON THE OUTSIDE EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED WILL BE FURNISHED BY THE CONTRACTOR. THEY WILL BE 5 1/2 IN. TALL OF A DESIGN APPROVED BY THE ENGINEER, AND WILL REMAIN THE PROPERTY OF THE CONTRACTOR.

19) THE REMOVAL OF EXISTING ENTRANCE PIPE CULVERTS ENCASED IN CONCRETE WILL BE CONSIDERED INCLUDED IN THE COST OF OTHER ITEMS OF CONSTRUCTION IF ONLY THE ENDS OF THE CULVERT (2 FT. OR LESS) ARE ENCASED, IF MORE THAN (2 FT.) AT THE ENDS OF THE CULVERT ARE ENCASED IN CONCRETE, THE REMOVAL WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

20) EXISTING DRIVEWAYS WILL BE SAWCUT TO OBTAIN A NEAT EDGE FOR REMOVAL AND REPLACEMENT. THE COST OF THE SAWCUT IS INCLUDED IN THE COST OF THE DRIVEWAY PAVEMENT REMOVAL.

21) UNLESS OTHERWISE DIRECTED BY THE ENGINEER, BITUMINOUS RESURFACING WILL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 2,000 FT. THE CONTRACTOR WILL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

22) CONNECTING OF NEW OR EXISTING STORM SEWER TO NEW OR EXISTING INLETS OR MANHOLES WILL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPE WILL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE STORM SEWERS OR STRUCTURES INVOLVED.

23) THE PROPOSED CURB AND GUTTER WILL BE THE SAME THICKNESS AS THE PROPOSED PAVEMENT.

24) ANYTIME THE CONCRETE BARRIER IS NOT IN THE PROPER POSITION, FLAGGERS MUST BE IN PLACE TO CONTROL TRAFFIC.

25) THE FURNISHING AND INSTALLATION OF THE 31.8 mm (1 1/4") CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT OR HANDHOLE WILL BE INCIDENTAL TO THE LOOP INSTALLATION AND SEPARATE PAYMENT WILL NOT BE MADE FOR THIS WORK.

26) THE INDUCTION LOOP WIRE AND LEAD-IN WIRE MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION OR AS INDICATED ON THE PLANS.

27) SHIELDED CABLE TO LOOP LEADS WILL BE GROUNDED AT THE CONTROLLER TERMINAL ONLY.

28) WHILE SIGNAL HEADS ARE MOUNTED IN PLACE, BUT NOT YET IN OPERATION, THEY MUST BE SECURELY COVERED IN WHITE PLASTIC.

29) EXISTING SURFACE DISTURBED DURING EXCAVATION FOR FOUNDATIONS AND PUSH PITS WILL BE RESTORED TO THE LIMITS AND CONDITIONS SPECIFIED BY THE ENGINEER OR AS SHOWN ON THE PLANS. UNLESS NOTED OTHERWISE ON THE PLANS THE REMOVAL AND RESTORATION WILL BE INCIDENTAL TO THE CONTRACT.

30) THE LIGHT POLES WILL BE SIGNED WITH THE POLE NUMBER AS SHOWN ON THE WIRING DIAGRAM.

31) IN AREAS WHERE MULTIPLE RUNS OF PARALLEL CONDUIT ARE IN THE SAME LOCATION, TRENCH AND BACKFILL WILL ONLY BE PAID FOR ONCE.

32) SAWED SLOTS FOR TWISTED PAIR ELECTRIC CABLES MUST BE LARGER THAN SINGLE CONDUCTOR LOOP SLOTS.

33) THE LOCATION OF THE DETECTOR LOOPS AND TRAFFIC SIGNAL FOUNDATIONS, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER OF TRAFFIC OPERATIONS.

34) ALL DETECTOR LOOPS WILL BE INSTALLED PRIOR TO RESURFACING.

35) ALL PROPOSED MAST ARMS WILL BE LOCATED NO CLOSER THAN 1.83 m (6 FT.) FROM FACE OF CURB TO THE CENTER OF POLE; ALL PROPOSED TRAFFIC SIGNAL POSTS WILL BE LOCATED NO CLOSER THAN 1.37 m (4 1/2 FT.) FROM THE FACE OF CURB TO CENTER OF THE POST, UNLESS SHOWN OTHERWISE ON THE PLANS.

36) THE CONTRACTOR WILL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.

37) THE DISTRICT BUREAU OF OPERATIONS MUST BE NOTIFIED AT LEAST 10 DAYS PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS.

38) THE QUANTITY FOR EXPLORATION TRENCH HAS BEEN ESTIMATED TO BE USED AS NEEDED BY THE ENGINEER TO FIND AND AVOID UNDERGROUND UTILITIES, TILES, ETC..

39) AGGREGATE SHOULDERS, TYPE B SHALL BE USED AS DIRECTED BY THE ENGINEER FOR MAINTENANCE PURPOSES. THE GRADATION SHALL BE CA-6 OR CA-10 AS DIRECTED BY THE ENGINEER. A QUANTITY OF 2000 TONS HAS BEEN ESTIMATED FOR THIS WORK.

**EXISTING STRUCTURES RATINGS**

STRUCTURE	INVENTORY RATING	OPERATING	POSTED
083-0003	HS 24.4	HS 40.0	NONE

M:\PROJ\3526\	
Active File:	gen04-3526.dgn
Reference File:	
Drawn By:	DK
Checked By:	DB

F.A.P. SECTION COUNTY TOTAL SHEET	REL. NO. SHEETS NO.
332 31-1-2, 31B SALINE 198 3A	
STA. TO STA.	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

### COMMITMENTS

ALL WORK BETWEEN RT. STA. 349+15.40 TO RT STA 351+34.58 WILL BE PERFORMED ON EXISTING R.O.W. TEMPORARY FENCING WILL BE USED ALONG THE EXISTING R.O.W. LINE AT THIS LOCATION TO INSURE AGAINST ENCROACHMENT

ALL WORK LOCATED BETWEEN RT. STA. 379+60 TO RT STA 380+60 WILL BE PERFORMED ON EXISTING R.O.W. TEMPORARY FENCING WILL BE USED ALONG THE EXISTING R.O.W. LINE AT THIS LOCATION TO INSURE AGAINST ENCROACHMENT. ACCESS TO THE PROPERTY SHALL BE MAINTAINED AT ALL TIMES.

THE EXISTING C.E.L. AT STA. 390+54.80 WILL BE CLOSED. THE EXISTING C.E.L. AT STA. 391+45.00 WILL BE RELOCATED TO STA. 391+65.81 AND CONSTRUCTED FROM THE EDGE OF PAVEMENT TO EXISTING ROW LINE. THE NEW ENTRANCE AT STA. 391+65.81 WILL BE 35' IN WIDTH WITH 15' RADII, AND SHALL MATCH THE ELEVATION OF THE NEW SERVICE DRIVE TO BE CONSTRUCTED BY FIRST STATE BANK OF ELDORADO PRIOR TO THE CONSTRUCTION OF THE HIGHWAY IMPROVEMENTS. THE EXISTING C.E.L. AT STA. 10+79.83 CURRENTLY PROPOSED AT 24.7' IN WIDTH WILL BE WIDENED TO BE CONSTRUCTED TO A 35' WIDTH.

IMPROVEMENTS TO THE EXISTING COMMERCIAL ENTRANCE RIGHT AT STA. 355+91.93 SHALL BE COMPLETED IN STAGES SO AS TO KEEP AT LEAST ONE HALF OF THE DRIVEWAY OPEN AT ALL TIMES. THE OWNERS SHALL BE ABLE TO MAINTAIN THE FLOW OF TRAFFIC TO THIS PROPERTY DURING CONSTRUCTION OPERATIONS. THE EXISTING PARKING LOT RIGHT FROM STA. 355+20 TO STA. 357+73 IS NOT TO BE DISTURBED DURING CONSTRUCTION OPERATIONS. SHOULD ANY DAMAGE OCCUR TO THE PARKING LOT, IT WILL BE REPAIRED IN KIND AT NO EXPENSE TO THE OWNER.

IMPROVEMENTS TO THE EXISTING C.E.R AT STA. 347+30.92 AND THE EXISTING C.E.R. AT STA. 349+00.75 SHALL BE COMPLETED IN STAGES SO AS TO KEEP AT LEAST ONE HALF OF EACH ENTRANCE OPEN AT ALL TIMES. AT NO TIME SHALL ONLY ONE ENTRANCE BE ACCESSIBLE. THE OWNERS SHALL BE ABLE TO MAINTAIN THE FLOW OF TRAFFIC TO THIS PROPERTY VIA BOTH ENTRANCES DURING CONSTRUCTION OPERATIONS. THE RE SHALL CONTACT KNAPP OIL COMPANY AT 618-678-2211 TO SCHEDULE THE CONSTRUCTION OF THE ENTRANCES AROUND GAS DELIVERIES.

THE CONTRACTOR WILL GIVE MANAGEMENT AT THE ELDORADO MCDONALD'S AT LEAST TWO DAYS NOTICE PRIOR TO BEGINNING WORK IN THE EASEMENT AREA. THE CONTRACTOR WILL USE ITS BEST EFFORTS TO COMPLETE THE WORK IN THE EASEMENT AREA IN A TIMELY MANNER. IMMEDIATELY UPON COMPLETION OF THE WORK IN THE EASEMENT AREA, STA. 386+15.00 TO STA. 387+36.76, THE CONTRACTOR WILL RESTORE THE EASEMENT AREA TO AS NEAR ITS PRECONSTRUCTION CONDITION AS POSSIBLE AND TO A SAFE CONDITION, AND WILL REMOVE ALL OF ITS EQUIPMENT, TOOLS, TRASH, AND DEBRIS FROM THE EASEMENT AREA.

THE CONTRACTOR WILL NOT MOVE, REMOVE OR DEMOLISH ANY OF MCDONALD'S SIGNS OR OTHER IMPROVEMENTS LOCATED WITH IN THE EASEMENT AREA. THE CONTRACTOR WILL USE BEST EFFORTS TO PERFORM ALL WORK IN SUCH A MANNER SO AS TO MINIMIZE THE DISRUPTION TO THE OPERATION OF THE MCDONALD'S RESTAURANT ON MCDONALD'S PROPERTY.

THE CONTRACTOR WILL CONSTRUCT ALL ENTRANCES ONE HALF AT A TIME IN ORDER TO PRESERVE ACCESS TO MCDONALD'S PROPERTY AND, THE CONTRACTOR WILL NOT BLOCK MORE THAN HALF OF ANY ACCESS DRIVE AT ANY TIME, ALLOWING AT LEAST ONE LANE OPEN AT ALL TIMES IN EACH ACCESS DRIVE FOR VEHICULAR TRAFFIC. THE CONTRACTOR WILL NOT PARK ON OR STORE ANY CONSTRUCTION VEHICLES, EQUIPMENT OR MATERIALS ON MCDONALD'S OTHER PROPERTY

EXISTING GRAVEL ENTRANCE RIGHT OF STA. 354+75 WILL BE REPLACED WITH A 35 FOOT C.E.L. AT APPROXIMATELY STA. 355+72. THE NEW ENTRANCE WILL BE CONSTRUCTED USING PORTLAND CEMENT CONCRETE AND WILL BE BUILT TO MATCH THE LOCATION AND ELEVATION OF THE NEW SERVICE DRIVE INSTALLED BY BANTERRA BANK AT THIS LOCATION.

THE CONTRACTOR WILL CONSTRUCT ALL ENTRANCES ONE HALF AT A TIME IN ORDER TO PRESERVE ACCESS TO ELDORADO OFFICE, LLC PROPERTY C.E.R. STA. 394+06

THE CONTRACTOR WILL CONSTRUCT ALL ENTRANCES ONE HALF AT A TIME IN ORDER TO PRESERVE ACCESS TO PARTNERS IN ELDORADO (FRED'S) PROPERTY C.E.R. STA. 394+91

THE CONTRACTOR WILL CONSTRUCT ALL ENTRANCES ONE HALF AT A TIME IN ORDER TO PRESERVE ACCESS TO HARDEES PROPERTY C.E.R. STA. 384+75 AND C.E.R. STA. 385+65 THE CONTRACTOR WILL GIVE MANAGEMENT AT THE HARDEES RESTAURANT IN ELDORADO AT LEAST 7 DAYS NOTICE PRIOR TO BEGINNING WORK IN THE EASEMENT AREA. CONSTRUCTION PERSONNEL SHOULD NOTIFY MR. LARRY YOUNG, OF HARDEES, AT 1-800-442-4144 EXTENSION 4824.

THE CONTRACTOR WILL GIVE ROBERT WILSON AT LEAST TWO DAYS NOTICE PRIOR TO BEGINNING WORK IN THE EASEMENT AREA LT. STA. 375+70 TO STA. 377+37. CONTRACTOR WILL USE ITS BEST EFFORTS TO COMPLETE THE WORK IN THE EASEMENT AREA IN A TIMELY MANNER. THE CONTRACTOR WILL CONSTRUCT ALL ENTRANCES ONE HALF AT A TIME IN ORDER TO PRESERVE ACCESS TO THE USED CAR LOT C.E.L. STA. 376+06 AND C.E.L. STA. 377+00.

DURING THE DURATION OF THE PROJECT THE CONTRACTOR SHALL MAINTAIN ACCESS TO BOTH ENTRANCES; EXCEPT FOR SHORT (2-4 HOUR) PERIODS OF THE TIME TO ALLOW FOR MAINLINE PAVING OPERATIONS. THE CONTRACTOR WILL CONTAIN ALL CONSTRUCTION ACTIVITIES WITHIN THE EASEMENT AREA AT ALL TIMES. THIS INCLUDES ALL PERSONNEL, EQUIPMENT, AND MATERIAL. NO EXCEPTIONS.

AS A RESULT OF OUR INABILITY TO SECURE A TEMPORARY EASEMENT FROM THE SUBJECT PARCEL, LOCATED BETWEEN RT. STA. 351+57.53 TO RT. STA. 352+00, THE PROPOSED TEMPORARY EASEMENT FROM RAY BROWN WILL BE DELETED FROM THE PLANS AND ALL WORK WILL BE PERFORMED ON EXISTING RIGHT OF WAY.

THE CONTRACTOR WILL GIVE MANAGEMENT AT THE ROC ONE STOP FACILITY IN ELDORADO AT LEAST TWO DAYS NOTICE PRIOR TO BEGINNING WORK IN THE EASEMENT AREA. CONTRACTOR WILL USE ITS BEST EFFORTS TO COMPLETE THE WORK IN THE EASEMENT AREA IN A TIMELY MANNER.

THE CONTRACTOR WILL CONSTRUCT ALL ENTRANCES, C.E.L. STA. 392+54, C.E.L. STA. 393+66 AND C.E.L. STA. 395+00, ONE HALF AT A TIME IN ORDER TO PRESERVE ACCESS TO ROC ONE STOP PROPERTY. DURING THE DURATION OF THE PROJECT THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL 3 ENTRANCES; EXCEPT FOR SHORT (2-4 HOUR) PERIODS OF TIME TO ALLOW FOR MAINLINE PAVING OPERATIONS.

ENTRANCES AT STATIONS 392+54 LEFT AND 393+66 LEFT SHALL NOT BE RE-CONSTRUCTED SIMULTANEOUSLY. THE CONTRACTOR WILL CONTAIN ALL CONSTRUCTION ACTIVITIES WITHIN THE EASEMENT AREA AT ALL TIMES. THIS INCLUDES ALL PERSONNEL, EQUIPMENT, AND MATERIAL. NO EXCEPTIONS.

THE CONTRACTOR SHALL CONTACT ILLINOIS POWER TO KILL THE POWER FOR THE 69K TRANSMISSION LINE WHICH IS IN PROXIMITY TO THE BOX CULVERT AT STATION 365+90 TWO WEEKS PRIOR TO BEGINNING THE WORK FOR DRIVING THE SHEET PILING FOR SAID BOX CULVERT. THIS LINE WILL ONLY BE KILLED FOR A WEEK FOR THE INSTALLATION OF THE SHEET PILING AND A WEEK FOR ITS REMOVAL. THE REMAINDER OF THE TIME THIS LINE WILL REMAIN ON AND WILL NOT BE MOVED.

THE CONTRACTOR SHALL MAKE PROVISIONS NOT TO DISTURB POWER POLES OR GUY WIRES IN THEIR CURRENT POSITIONS AND SUFFICIENT DIRT SHALL BE LEFT AROUND THESE STRUCTURES TO SUPPORT THEM, ANY GRADING REQUIRED AFTER THE UTILITY ADJUSTS SUCH POLES/GUY WIRES SHALL BE AS CONSIDERED IN THE BID FOR EARTHWORK AND NO ADDITIONAL PAYMENT WILL BE MADE FOR WORK REQUIRED TO FINISH SUCH WORK.

THE CONTRACTOR WILL CONSTRUCT ALL ENTRANCES, C.E.R. STA. 390+37 AND C.E.R. STA. 391+64, ONE HALF AT A TIME IN ORDER TO PRESERVE ACCESS TO MEDICAP PHARMACY AND BIG JOHNS PROPERTY. THE CONTRACTOR WILL GIVE MANAGEMENT AT THE MEDICAP PHARMACY AND BIG JOHNS AT LEAST 7 DAYS NOTICE PRIOR TO BEGINNING WORK IN THE ENTRANCE AREA.

IDOT WILL CONSTRUCT AND THE PROPERTY OWNER SHALL PAY, IN THE AMOUNTY OF \$5,000, FOR A CONCRETE ENTRANCE, OF 30' WIDTH (AT END OF RADIUS RETURNS), WITH 30' RADII AT STATION 362+50 RT., WHICH IS A PORTION OF COMPENSATION PAID TO THEM FOR ACQUIRED RIGHT OF WAY.

DURING THE ACQUISITION PROCESS THE PROPERTY OWNER REQUESTED THAT THE COMMERCIAL ENTRANCE LOCATED AT LT. STA. 379+50 MOVED TO LT. STA. 378+90.07

THESE ARE THE COMMITMENTS AS OF MAY 20, 2005. FOR ADDITIONAL COMMITMENTS SEE COMMITMENT FILE

### ENVIRONMENTAL COMMITMENTS

#### SPECIAL WASTE:

IN CONSULTATION WITH THE CHIEF COUNSEL'S OFFICE, IF RIGHT-OF-WAY ACQUISITION INCLUDES A PARCEL WITH AN UNDERGROUND STORAGE TANK(S) AND LAND ACQUISITION PROCEDURES ARE FOLLOWED AND IF CONSTRUCTION EXCAVATION AND UTILITY RELOCATION DO NOT EXCEED THE MAXIMUM TESTING DEPTH AT EACH SITE AND DOES NOT EXCEED THE FOLLOWING EXCAVATION LIMITATIONS, THEN NO ADDITIONAL PRELIMINARY TESTING FOR THE PROJECT IS NECESSARY.

FIRST STATE BANK  
ADDRESS: 1108 US 45 N  
INTERSECTION: IL 142 & US 45  
EXCAVATION DEPTH: 0 FEET

HUCK'S CONVENIENCE STORE  
ADDRESS: 1112 US 45 N  
INTERSECTION: IL 142 & US 45  
EXCAVATION DEPTH: 2 FEET

DAIRY QUEEN  
ADDRESS: 1200 US 45 N  
INTERSECTION: IL 142 & US 45  
EXCAVATION DEPTH: 0 FEET

MCDONALD'S RESTAURANT  
ADDRESS: 1201 US 45 N  
INTERSECTION: IL 142 & US 45  
EXCAVATION DEPTH: 0 FEET

HARDEE'S RESTAURANT  
ADDRESS:  
INTERSECTION: US 45  
EXCAVATION DEPTH: 0 FEET

ELDORADO ENTERPRISES  
ADDRESS: 1212 US 45 N  
INTERSECTION: US 45  
EXCAVATION DEPTH: 0 FEET

C & D REBUILDERS  
ADDRESS: 1219 US 45 N  
INTERSECTION: US 45  
EXCAVATION DEPTH: 0 FEET

CARTER'S ECONOMY CORRAL  
ADDRESS: 1222 US 45 N  
INTERSECTION: US 45  
EXCAVATION DEPTH: 0 FEET

TOWNLEY MANUFACTURING  
ADDRESS:  
INTERSECTION: US 45  
EXCAVATION DEPTH: 0 FEET

CITGO  
ADDRESS:  
INTERSECTION: US 45  
EXCAVATION DEPTH: 0 FEET

VACANT BUILDING #1  
1426 US 45 N  
US 45 & TROLLEY RD.  
EXCAVATION DEPTH: 0 FEET

PLEASE NOTE: IF ANY CHANGES ARE TO BE MADE TO THE CONSTRUCTION LIMITS OR EXCAVATION DEPTHS BEFORE OR DURING THE CONSTRUCTION PHASE, PLEASE CONTACT THE D-9 ENVIRONMENTAL COORDINATOR AT 618-351-5286 TO REPORT THE CHANGE SO THAT POSSIBLE INVOLVEMENT WITH THESE LISTED SITES CAN BE INVESTIGATED.

ACCORDING TO THE PROPOSED PLANS AND CROSS SECTIONS FOR THIS PROJECT, EXCAVATION EXCEEDS THE RECOMMENDED DEPTHS AT ALL LOCATIONS LISTED ABOVE. HANDLING AND DISPOSAL OF THIS MATERIAL SHALL BE CONDUCTED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR THIS PROJECT.

#### WETLANDS:

AS DETAILED IN THE WETLAND TECHNICAL REPORT, FOUR WETLANDS HAVE BEEN IDENTIFIED IN THIS PROJECT CORRIDOR. THE FIRST SITE IS A MARSH LOCATED 85 FEET NORTHWEST OF US ROUTE 45 NEAR THE HARRISBURG WAL-MART. THE SECOND SITE (NOT A WETLAND) IS A SHRUBLAND LOCATED 3530 FEET WEST OF U.S. ROUTE 45 AND 670 FEET SOUTH OF MIDDLE FORK SALINE RIVER. THE THIRD SITE IS A MARSH LOCATED 40 FEET NORTHWEST OF U.S. ROUTE 45 AND 925 FEET EAST OF THE INTERSECTION WITH PULLUM ROAD. THE LAST SITE IS A MARSH 1175 FEET NORTHWEST OF U.S. ROUTE 45 ALONG THE LEVEE. ACCORDING TO THE WETLAND IMPACT EVALUATION, THIS PROJECT WILL NOT IMPACT ANY OF THE SITES WITHIN THE PROJECT CORRIDOR. THEREFORE, NO COMMITMENTS ARE REQUIRED WITH RESPECT TO WETLANDS.

PLEASE NOTE: IF ANY CHANGES ARE TO BE MADE TO THE CONSTRUCTION LIMITS BEFORE OR DURING THE CONSTRUCTION PHASE, PLEASE CONTACT THE D-9 ENVIRONMENTAL COORDINATOR AT 618-351-5286 TO REPORT THE CHANGE SO THAT POSSIBLE IMPACTS TO THE WETLANDS CAN BE INVESTIGATED.

DRAWN BY: DK  
CHECKED BY: DB

CONTRACT 4

NO. PROPOSED	NO. PROPOSED
ACTION ITEMS	REFERENCE FILES
COMPLETED	DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**SUMMARY OF QUANTITIES**

CODE NUMBER	ITEM DESCRIPTION	COUNTY:		SALINE	
		UNIT	TOTAL QUANTITY	FOUR LANE	
		LOCATION: <del>URBAN</del>			
		CONSTRUCTION TYPE CODE: 1000-2A		Y031-1F X028-2A	
		FUNDING: 80% FED. 20% STATE			
		RURAL		FED 80% STATE 20% TRAFFIC SIGNAL	
				FED 80% STATE 20% CULVERT SN 083-2014	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	25	25	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	195	195	
20100500	TREE REMOVAL, ACRES	ACRE	0.13	0.13	
20200100	EARTH EXCAVATION	CU YD	6401	6401	
20300100	CHANNEL EXCAVATION	CU YD	1707	1707	
20400100	BORROW EXCAVATION	CU YD	8358	8358	
20700110	POROUS GRANULAR EMBANKMENT	TON	291		291
20800150	TRENCH BACKFILL	CU YD	5448.6	5448.6	
21301048	EXPLORATION TRENCH 48" DEPTH	FOOT	1000	1000	
25000115	SEEDING, CLASS 1B	ACRE	8.1	8.1	
25000350	SEEDING, CLASS 7	ACRE	12.8	12.8	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1484	1484	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	972	972	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	972	972	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	16.2	16.2	
25100115	MULCH, METHOD 2	ACRE	20.9	20.9	
25100630	EROSION CONTROL BLANKET	SQ YD	1478	1478	
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	282	282	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	3840	3840	
28000300	TEMPORARY DITCH CHECKS	EACH	20	20	
28000500	INLET AND PIPE PROTECTION	EACH	64	64	
28001000	AGGREGATE (EROSION CONTROL)	TON	10.8	10.8	
28100107	STONE RIPRAP, CLASS A4	SQ YD	1416	450	966
28200200	FILTER FABRIC	SQ YD	1416	450	966
30200650	PROCESSING MODIFIED SOILS 12"	SQ YD	20,685	20,685	
30201500	LIME	TON	616	616	
35100100	AGGREGATE BASE COURSE, TYPE A	TON	7215	7215	
40200500	AGGREGATE SURFACE COURSE, TYPE A 6"	SQ YD	237	237	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3389	3389	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	3	3	
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	297	297	
40600895	CONSTRUCTING TEST STRIP	EACH	4	4	
40600990	TEMPORARY RAMP	SQ YD	210	210	
42000411	PORTLAND CEMENT CONCRETE PAVEMENT 9/2" (JOINTED)	SQ YD	8157	8157	
42001300	PROTECTIVE COAT	SQ YD	10516	10516	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	139	139	
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	3164	3164	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	107	107	
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	1930	1930	
44000100	PAVEMENT REMOVAL	SQ YD	7640	7640	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	8930	8930	
44000300	CURB REMOVAL	FOOT	1001	1001	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3768	3768	
44002805	ISLAND REMOVAL	SQ FT	346	346	
44004250	PAVED SHOULDER REMOVAL	SQ YD	1714	1714	
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	635	635	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	10524	10524	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2303	2303	
48202600	BITUMINOUS SHOULDERS SUPERPAVE 8"	SQ YD	268	268	
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1		1
50105220	PIPE CULVERT REMOVAL	FOOT	1161	1161	
50200100	STRUCTURE EXCAVATION	CU YD	685.7		685.7
50800105	REINFORCEMENT BARS	POUND	142,020		142,020
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	720		720
51205200	TEMPORARY SHEET PILING	SQ FT	1261		1261
51500100	NAME PLATES	EACH	1		1
54003000	CONCRETE BOX CULVERTS	CU YD	421		421
54213447	END SECTIONS 12"	EACH	8	8	
54213450	END SECTIONS 15"	EACH	8	8	
54213453	END SECTIONS 18"	EACH	5	5	

\*SPECIALTY ITEM

Rev.

DRAWN BY: JR  
CHECKED BY: JR

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SUMMARY SHEET

### SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	COUNTY: SALINE					
		UNIT	LOCATION:				
			CONSTRUCTION TYPE CODE:		I000-2A	Y031-IF	X028-2A
			FUNDING:		FED 80% STATE 20% ROAD	FED 80% STATE 20% TRAFFIC SIGNAL	FED 80% STATE 20% CULVERT SN 083-2014
		RURAL	FOUR LANE				
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2			
<del>542D1057</del>	<del>PIPE CULVERTS, CLASS D, TYPE 2 12"</del>	<del>FOOT</del>	<del>84</del>	<del>84</del>			
<del>542D1060</del>	<del>PIPE CULVERTS, CLASS D, TYPE 2 15"</del>	<del>FOOT</del>	<del>121</del>	<del>121</del>			
<del>542D1063</del>	<del>PIPE CULVERTS, CLASS D, TYPE 2 18"</del>	<del>FOOT</del>	<del>45</del>	<del>45</del>			
<del>550A0340</del>	<del>STORM SEWERS, CLASS A, TYPE 1 12"</del>	<del>FOOT</del>	<del>176</del>	<del>176</del>			
<del>550A0340</del>	<del>STORM SEWERS, CLASS A, TYPE 1 15"</del>	<del>FOOT</del>	<del>336</del>	<del>336</del>			
<del>550A0340</del>	<del>STORM SEWERS, CLASS A, TYPE 1 18"</del>	<del>FOOT</del>	<del>1366</del>	<del>1366</del>			
<del>550A0340</del>	<del>STORM SEWERS, CLASS A, TYPE 2 12"</del>	<del>FOOT</del>	<del>293</del>	<del>293</del>			
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	392	392			
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	514	514			
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	6120	6120			
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	750	750			
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	2239	2239			
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	282	282			
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	285	285			
<del>550A0480</del>	<del>STORM SEWERS, CLASS A, TYPE 2 48"</del>	<del>FOOT</del>	<del>196</del>	<del>196</del>			
<del>550A2360</del>	<del>STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"</del>	<del>FOOT</del>	<del>157</del>	<del>157</del>			
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	196	196			
550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	945	945			
550A2500	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT					
55100500	STORM SEWERS REMOVAL 12"	FOOT	735	735			
55101200	STORM SEWERS REMOVAL 24"	FOOT	622	622			
550B0010	STORM SEWERS, CLASS B, TYPE I, 4"	FOOT	19	19			
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5			
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	5	5			
<del>60221100</del>	<del>MANHOLES, TYPE A, 3'-DIAMETER, TYPE 1 FRAME, CLOSED LID</del>	<del>EACH</del>	<del>1</del>	<del>1</del>			
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	26	26			
<del>60237420</del>	<del>INLETS, TYPE A, TYPE 20 FRAME AND GRATE</del>	<del>EACH</del>	<del>12</del>	<del>12</del>			
<del>60240301</del>	<del>INLETS, TYPE B, TYPE 8 FRAME AND GRATE</del>	<del>EACH</del>	<del>104</del>	<del>104</del>			
60243500	INLETS, SPECIAL, TYPE 3, 6'	EACH	19	19			
60255500	MANHOLES TO BE ADJUSTED	EACH					
60500040	REMOVING MANHOLES	EACH	36	36			
60500060	REMOVING INLETS	EACH	1	1			
<del>60500125</del>	<del>REMOVING MANHOLES</del>	<del>EACH</del>	<del>114</del>	<del>114</del>			
60600605	CONCRETE CURB, TYPE B	FOOT	14,316	14,316			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	190	190			
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	165	165			
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	146	146			
60610900	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT					
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	2,575	2,575			
63200310	GUARDRAIL REMOVAL	FOOT	182	182			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10			
67100100	MOBILIZATION	L SUM	1	1			
<del>66900450</del>	<del>SPECIAL WASTE PLANS AND REPORTS</del>	<del>L SUM</del>	<del>1</del>	<del>1</del>			
66901000	BACKFILL PLUGS	CU. YD.	250	250			
<del>66900800</del>	<del>NON-SPECIAL WASTE DISPOSAL</del>	<del>CU. YD.</del>	<del>7509</del>	<del>7509</del>			
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1			
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1			
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1			
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	4500	4500			
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1459	1459			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	62283	62283			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1315	1315			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	511	511			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	619	619			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	188	188			
70300320	PAVEMENT MARKING TAPE, TYPE I 4"	FOOT	9350	9350			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	220	220			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	110	110			
<del>66900500</del>	<del>BETX SOIL ANALYSIS</del>	<del>EACH</del>	<del>8</del>	<del>8</del>			
<del>66900530</del>	<del>SOIL DISPOSAL ANALYSIS</del>	<del>EACH</del>	<del>7</del>	<del>7</del>			
<del>66900635</del>	<del>LEAD TCLP SOIL ANALYSIS</del>	<del>EACH</del>	<del>2</del>	<del>2</del>			
<del>66900510</del>	<del>BETX-PNAS SOIL ANALYSIS</del>	<del>EACH</del>	<del>2</del>	<del>2</del>			
<del>X0301820</del>	<del>ENGINEERED BARRIER</del>	<del>SR. YD.</del>	<del>650</del>	<del>650</del>			

DRAWN BY: JS  
CHECKED BY: DB

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ACTIV - 33262-199  
SUMO - 33262-199

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	6
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	SALINE			
			RURAL		URBAN	
			CONSTRUCTION TYPE CODE:		CONSTRUCTION TYPE CODE:	
			FUNDING:		FUNDING:	
		IO00-2A	YO31-1F	XO28-2A		
		FED 80% STATE 20% ROAD FOUR LANE	FED 80% STATE 20% TRAFFIC SIGNAL	FED 80% STATE 20% CULVERT SN 083-2014		
72000100	SIGN PANEL - TYPE 1	SO FT	76		76	
X7800500	POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS, SPECIAL	SO FT	1305	1305		
78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	18783	18783		
78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"	FOOT	1315	1315		
X7800540	POLYUREA PAVEMENT MARKING TYPE II - LINE 8" (SPECIAL)	FOOT	511	511		
X7800550	POLYUREA PAVEMENT MARKING TYPE II - LINE 12" (SPECIAL)	FOOT	619	619		
X7800580	POLYUREA PAVEMENT MARKING TYPE II - LINE 24" (SPECIAL)	FOOT	188	188		
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	544	544		
78300105	PAVEMENT MARKING REMOVAL	FOOT	700	700		
80300100	LOCATING UNDERGROUND CABLE	FOOT	1310		1310	
80500105	SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1		1	
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	832		832	
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	30		30	
81021540	CONDUIT, AUGERED 1 1/2" DIA., PVC	FOOT	170		170	
81021550	CONDUIT, AUGERED 2" DIA., PVC	FOOT	509		509	
81021570	CONDUIT, AUGERED 3" DIA., PVC	FOOT	212		212	
81021590	CONDUIT, AUGERED 4" DIA., PVC	FOOT	85		85	
81400400	CONCRETE HANDHOLE	EACH	8		8	
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1307		1307	
81700315	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO. 10	FOOT	1278		1278	
82500605	LIGHTING CONTROLLER PHOTOCELL RELAY	EACH	1		1	
<del>8360000</del>	<del>POLE FOUNDATION, METAL, 4" DIA., 3' LONG</del>	<del>EACH</del>	<del>4</del>		<del>4</del>	
<del>8400000</del>	<del>REMOVAL OF POLE FOUNDATION, CONCRETE</del>	<del>EACH</del>	<del>4</del>		<del>4</del>	
<del>8400000</del>	<del>REMOVE AND RELOCATE EXISTING LIGHTING UNIT</del>	<del>EACH</del>	<del>1</del>		<del>1</del>	
85700200	FULL - ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1		1	
86600010	GULFBOX JUNCTION	EACH	7		7	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1889		1889	
87301275	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 12C	FOOT	743		743	
87301305	ELECTRIC CABLE IN CONDUIT, LEAD - IN, NO. 14 1 PAIR	FOOT	4353		4353	
87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	2		2	
X7700220	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2		2	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12		12	
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5		3.5	
87800400	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	60		60	
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	8		8	
88500100	INDUCTIVE LOOP DETECTOR	EACH	12		12	
88500200	INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT	EACH	6		6	
88600100	DETECTOR LOOP, TYPE I	FOOT	1656		1656	
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1	
X0300739	UNINTERRUPTIBLE POWER SUPPLY	EACH	1		1	
XX005096	TRENCH FRAMES AND GRATES	FOOT	32	32		
X0321156	HIGH VISIBILITY TEMPORARY FENCING	FOOT	279	279		
X0322729	MATERIAL TRANSFER DEVICE	TON	7052	7052		
X0322752	WORK ZONE PAVEMENT MARKING REMOVAL	FOOT	13900	13900		
X0323310	REMOVAL OF EXISTING SIGNAL SYSTEM	EACH	1		1	
X0323868	DRAINAGE RESTRICTOR	EACH	1	1		
X0712400	TEMPORARY PAVEMENT	SO YD	1561	1561		
X4066528	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N90	TON	3099	3099		
X4066618	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N90	TON	9293	9293		
X4069125	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N90, 8"	SO YD	16321	16321		
X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	100	100		
X8801310	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4		4	
X8801395	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	12		12	
X8801400	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4		4	
XX220000	REMOVE EXISTING LIGHTING SYSTEM	EACH	1		1	
Z0002600	BAR SPLICERS	EACH	142		142	
Z0030250	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, TEST LEVEL 3)	EACH	4		4	
Z0030350	IMPACT ATTENUATOR, RELOCATE (NON-REDIRECTIVE, TEST LEVEL 3)	EACH	2		2	
Z0022800	FENCE REMOVAL	FOOT	335	335		
Z0076600	TRAINEES	HOUR	1500	1500		
* B1012400	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	678		678	
* B2102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MT, 400W	EACH	8		8	
* B3022400	LIGHT POLE, ALUMINUM, 40 FT, MH, 15 FT, DAVIT ARM	EACH	8		8	
* B3602357	LIGHT POLE FOUNDATION METAL 15" BOLT CIRCLE 8"x8"	EACH	8		8	
* B4200100	LIGHTING FOUNDATIONAL REMOVAL	EACH	4		4	
* B7502310	TRAFFIC SIGNAL POST, PAINTED STEEL, 16 FT.	EACH	4		4	

\*SPECIALTY ITEM

△ SFTY - 3N  
○ Y080

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CHECKED BY DB

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Rev.

CONTRACT NO. 98631				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TYPICAL SECTIONS  
U.S. 45

NOMINAL THICKNESS FOR EACH LIFT OF BINDER MUST BE AS FOLLOWS:

13" BINDER	
1st LIFT	5" (MAX.)
2nd LIFT	3"
3rd LIFT	3"
4th LIFT	2" (MAX.)

STRUCTURAL DESIGN TRAFFIC: Year 2022

PV = 25,670 SU = 545 MU = 545

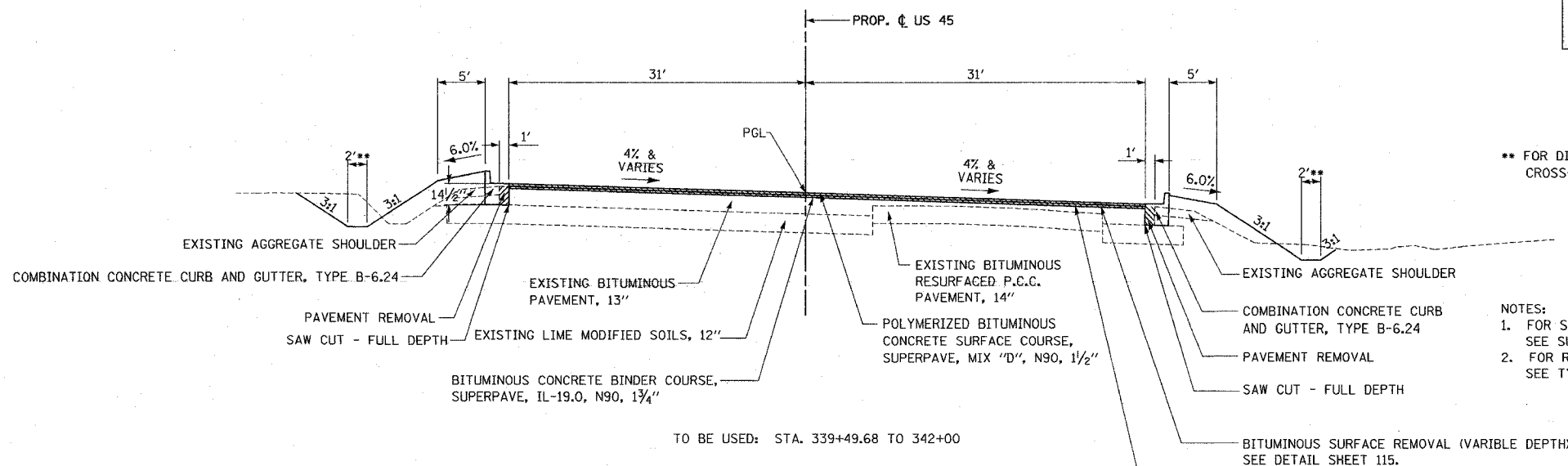
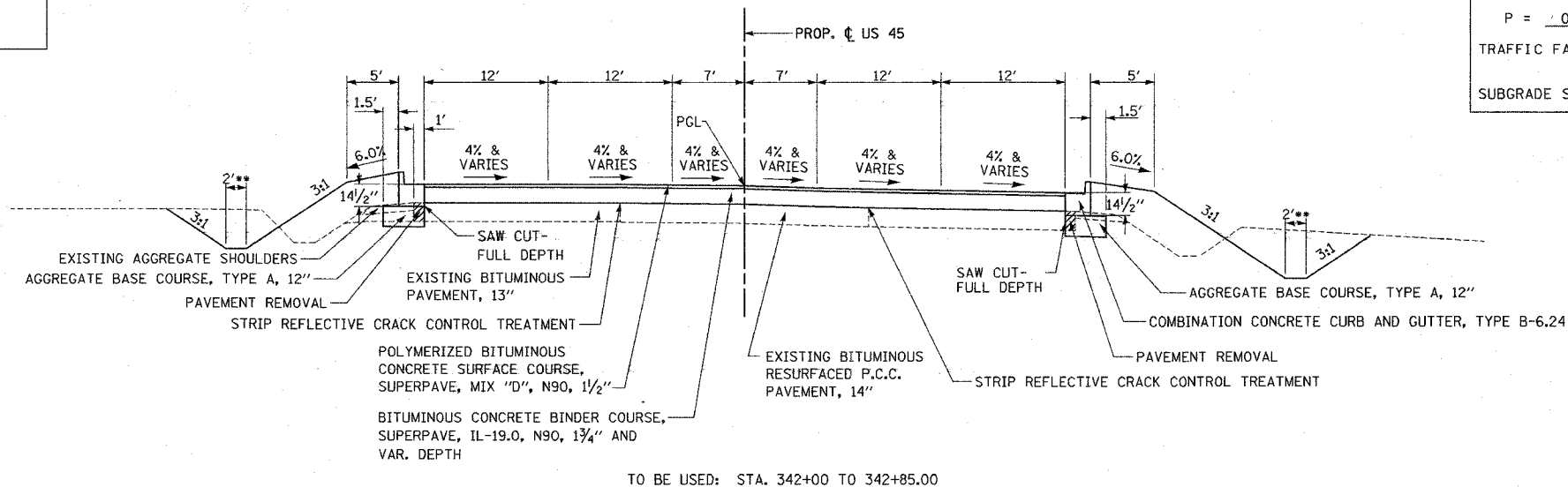
ROAD/STREET CLASSIFICATION: Class I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 0.32 S = 0.45 M = 0.45

TRAFFIC FACTOR: Actual TF = 4.27 AC Type = AC-20

SUBGRADE SUPPORT RATING: FAIR



LEGEND:

	REMOVAL
--	---------

\*\* FOR DITCH LOCATION SEE CROSS-SECTIONS.

- NOTES:
- FOR SUPERELEVATION TRANSITION SEE SUPERELEVATION DETAIL SHEET 85.
  - FOR RIGHT TURN LANE DETAIL SEE TYPICAL SECTION SHEET 14.

MIXTURE REQUIREMENTS:  
THE FOLLOWING BITUMINOUS MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE	AC/PG	RAP%(MAX)	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE
SUPERPAVE SURFACE COURSE, MIX D	SBS PG70-22	0	4.0%, 90 GYRATIONS SUPERPAVE DESIGN	IL-9.5MM OR IL-12.5MM	D SURFACE
SUPERPAVE BINDER COURSE, MIX B	PG 64-22	10	4.0%, 90 GYRATIONS SUPERPAVE DESIGN	IL-19.0	NONE
SHOULDERS	PG 58-22	50	2.0%, 30 GYRATIONS SUPERPAVE DESIGN	BITUMINOUS AGGREGATE MIXTURE, SUPERPAVE	NONE
CLASS D PATCHES	PG 64-22	10	4.0%, 90 GYRATIONS SUPERPAVE DESIGN	IL-19.0	NONE

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CONTRACT NO. 98631				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TYPICAL SECTIONS  
U.S. 45

NOMINAL THICKNESS FOR EACH LIFT OF BINDER MUST BE AS FOLLOWS:

13" BINDER	
1st LIFT	5" (MAX.)
2nd LIFT	3"
3rd LIFT	3"
4th LIFT	2" (MAX.)

STRUCTURAL DESIGN TRAFFIC: Year 2022

PV = 25,670 SU = 545 MU = 545

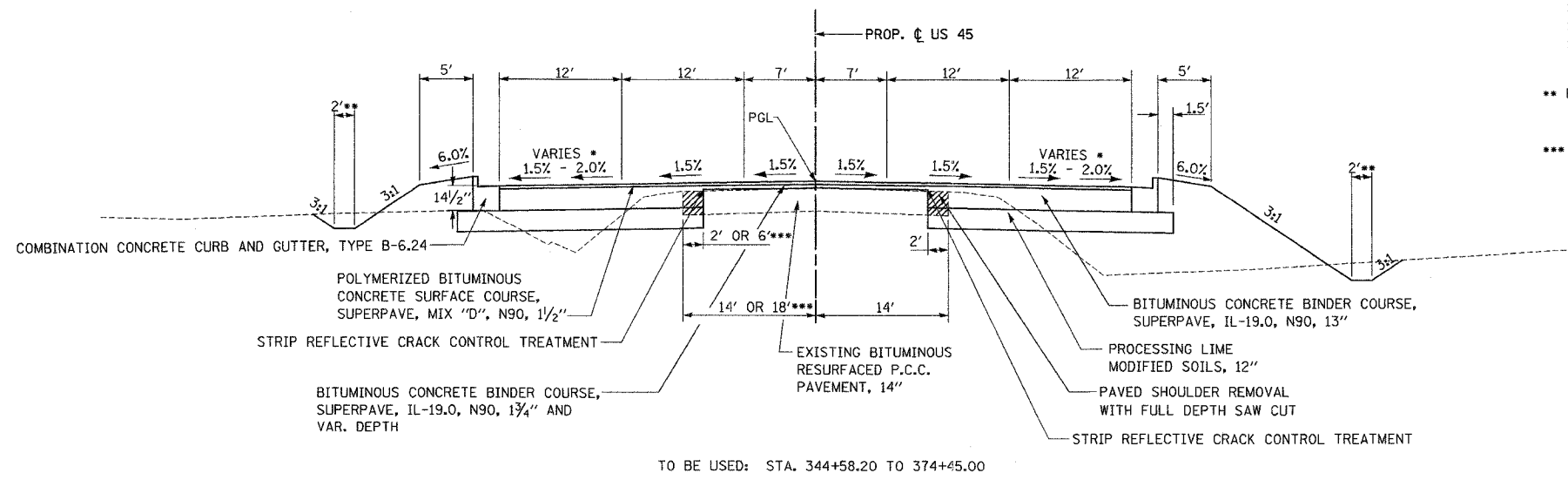
ROAD/STREET CLASSIFICATION: Class I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 0.32 S = 0.45 M = 0.45

TRAFFIC FACTOR: Actual TF = 4.27 AC Type = AC-20

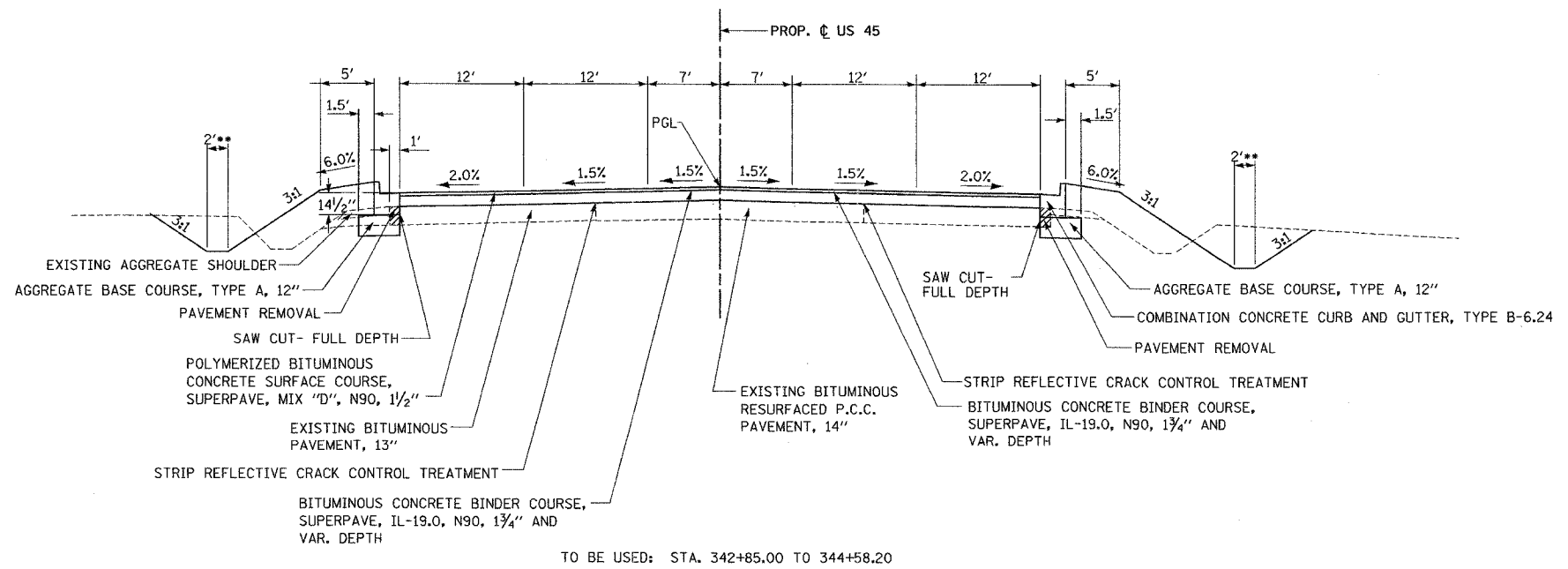
SUBGRADE SUPPORT RATING: FAIR



- PAVEMENT WARPING:  
STA. 352+40 LT. TO 365+80 LT.  
STA. 352+40 RT. TO 364+50 RT.  
STA. 371+80 TO 374+45
- FOR DITCH WIDTH AND DITCH LOCATION SEE CROSS-SECTIONS.
- 14' 1/2' - STA. 344+58.20 LT. TO 372+80 LT.  
18' 7/6' - STA. 372+80 LT. TO 374+45.00 LT.

LEGEND:

	REMOVAL
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CONTRACT NO. 98631				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TYPICAL SECTIONS  
U.S. 45

NOMINAL THICKNESS FOR EACH LIFT OF BINDER MUST BE AS FOLLOWS:

1 3" BINDER	
1st LIFT	5" (MAX.)
2nd LIFT	3"
3rd LIFT	3"
4th LIFT	2" (MAX.)

STRUCTURAL DESIGN TRAFFIC: Year 2022

PV = 25,670 SU = 545 MU = 545

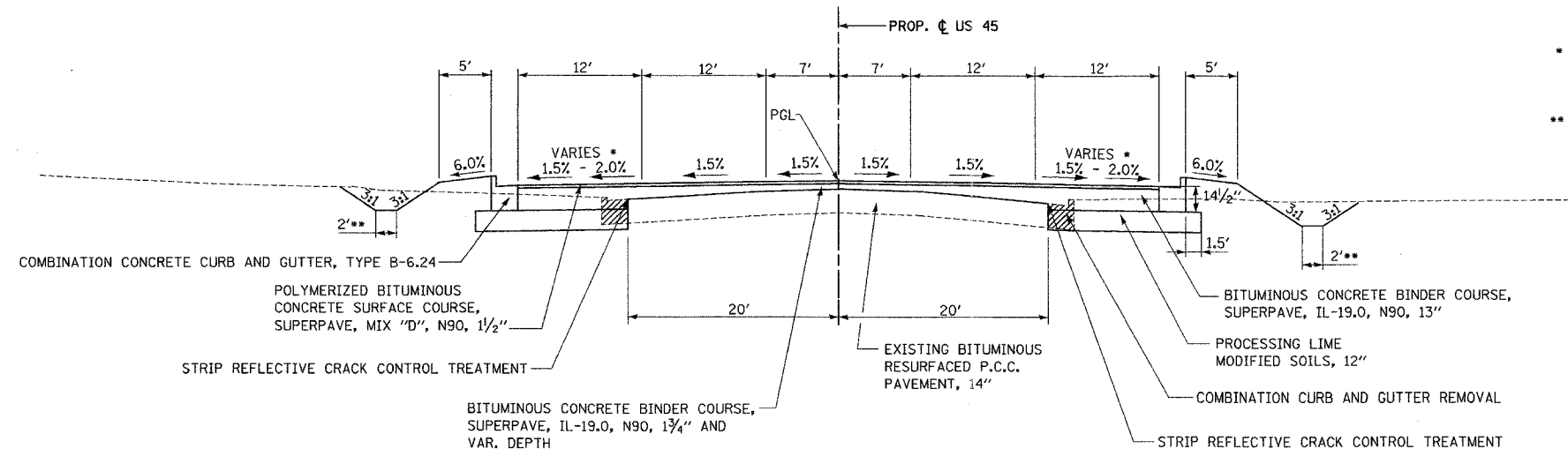
ROAD/STREET CLASSIFICATION: Class I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 0.32 S = 0.45 M = 0.45

TRAFFIC FACTOR: Actual TF = 4.27 AC Type = AC-20

SUBGRADE SUPPORT RATING: FAIR

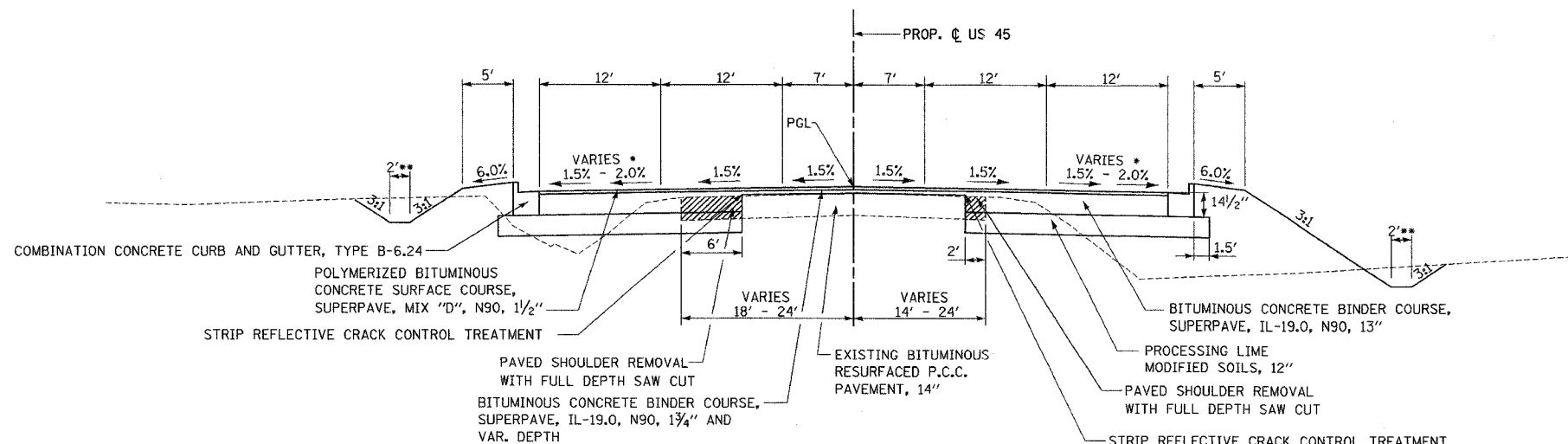


TO BE USED: STA. 375+85.00 TO 385+30.00

- PAVEMENT WARPING:  
STA. 380+25 LT. TO 381+75 LT.  
STA. 380+25 RT. TO 382+84.50 RT.
- \*\* FOR DITCH WIDTH AND DITCH LOCATION SEE CROSS-SECTIONS.

LEGEND:

	REMOVAL
--	---------



TO BE USED: STA. 374+45.00 TO 375+85.00

- PAVEMENT WARPING:  
STA. 374+45 TO 375+70
- \*\* FOR DITCH WIDTH AND DITCH LOCATION SEE CROSS-SECTIONS.

PROJECT NO. 332 / ROADWAY / CONTRACT / TYPICAL SECTIONS /  
 DRAWN BY: J.S. / CHECKED BY: J.B.  
 FILE NO. 332-35584-L00N  
 DATE 04-20-04

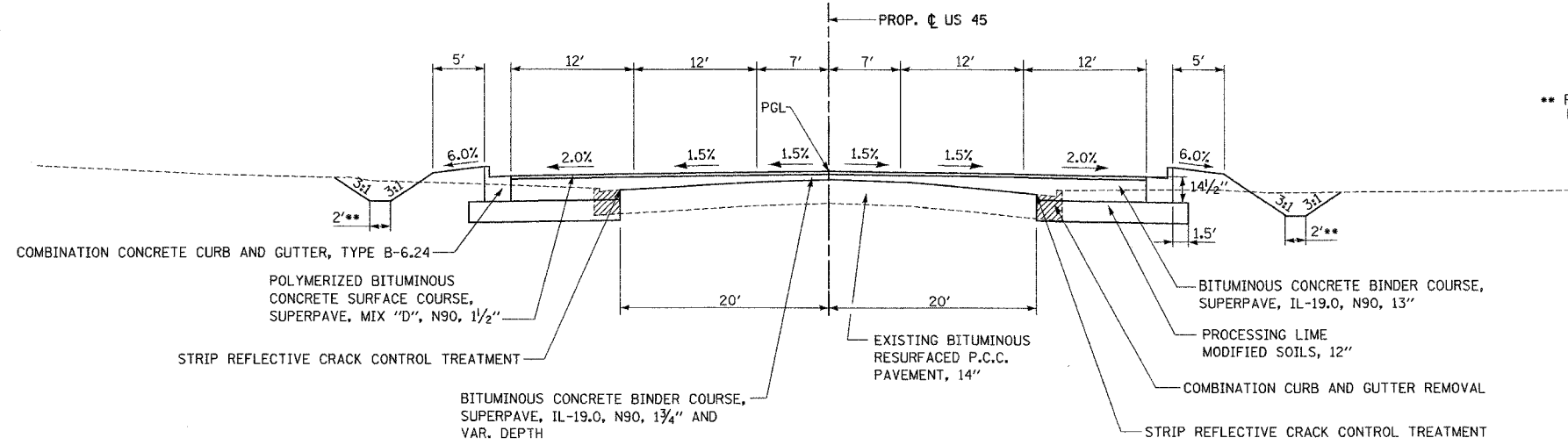
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TYPICAL SECTIONS  
U.S. 45

NOMINAL THICKNESS FOR EACH LIFT OF BINDER MUST BE AS FOLLOWS:

13" BINDER

1st LIFT	5" (MAX.)
2nd LIFT	3"
3rd LIFT	3"
4th LIFT	2" (MAX.)



\*\* FOR DITCH WIDTH AND DITCH LOCATION SEE CROSS-SECTIONS.

TO BE USED: STA. 391+26.00 TO 392+86.47

STRUCTURAL DESIGN TRAFFIC: Year 2022

PV = 25,670 SU = 545 MU = 545

ROAD/STREET CLASSIFICATION: Class I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

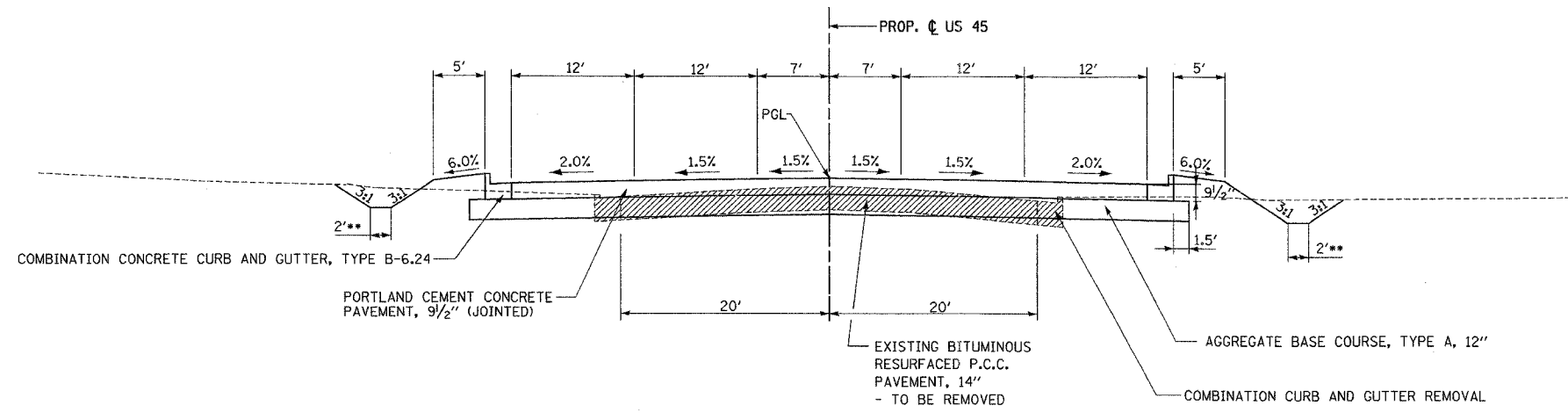
P = 0.32 S = 0.45 M = 0.45

TRAFFIC FACTOR: Actual TF = 4.27 AC Type = AC-20

SUBGRADE SUPPORT RATING: FAIR

LEGEND:

REMOVAL

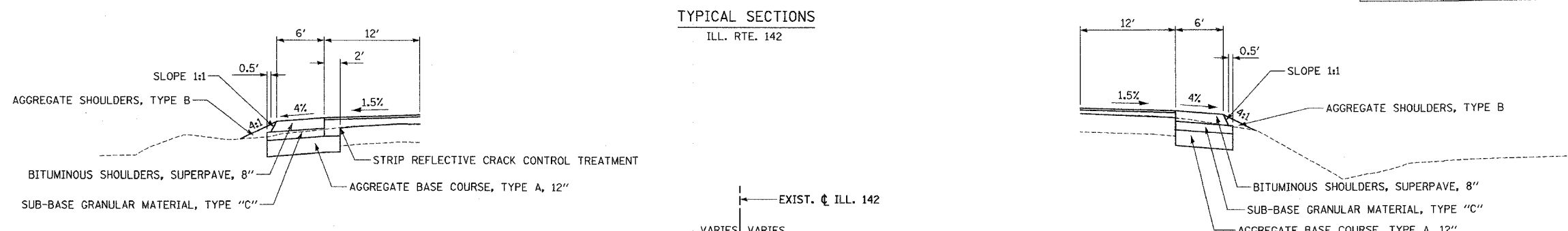


\*\* FOR DITCH WIDTH AND DITCH LOCATION SEE CROSS-SECTIONS.

TO BE USED: STA. 385+30.00 TO 391+26.00

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CONTRACT NO. 98631				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



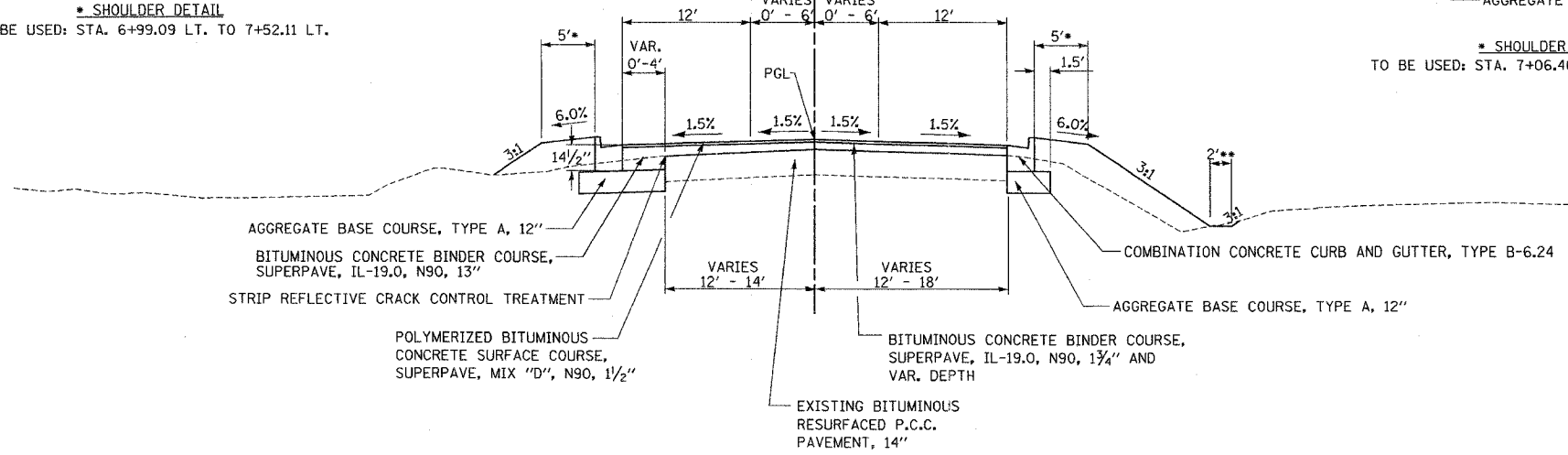
\* SHOULDER DETAIL  
TO BE USED: STA. 6+99.09 LT. TO 7+52.11 LT.

\* SHOULDER DETAIL  
TO BE USED: STA. 7+06.46 RT. TO 7+46.35 RT.

\*\* FOR DITCH WIDTH AND DITCH LOCATION SEE CROSS-SECTIONS.

NOMINAL THICKNESS FOR EACH LIFT OF BINDER MUST BE AS FOLLOWS:

13" BINDER	
1st LIFT	5" (MAX.)
2nd LIFT	3"
3rd LIFT	3"
4th LIFT	2" (MAX.)



ILL. RTE. 142  
TO BE USED: STA. 6+92.63 TO 8+87.88

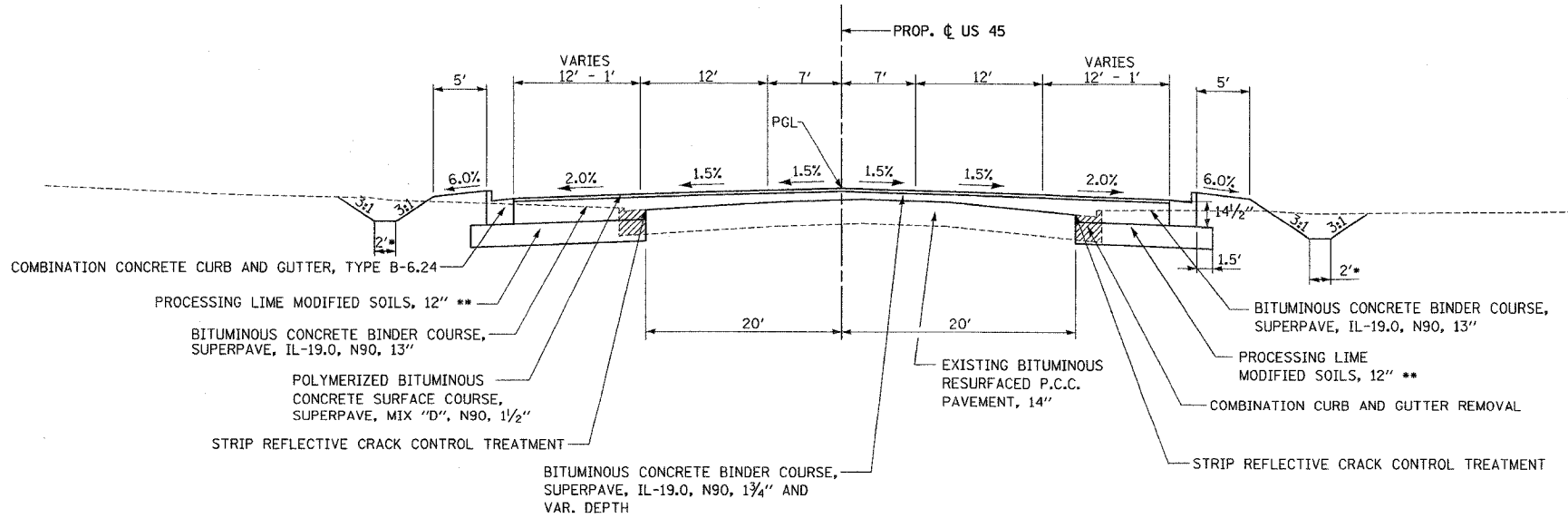
LEGEND:

	REMOVAL
--	---------

US 45

STRUCTURAL DESIGN TRAFFIC:	Year 2022
PV = 25,670	SU = 545 MU = 545
ROAD/STREET CLASSIFICATION:	Class I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 0.32	S = 0.45 M = 0.45
TRAFFIC FACTOR: Actual TF = 4.27	AC Type = AC-20
SUBGRADE SUPPORT RATING:	FAIR

TYPICAL SECTIONS  
U.S. 45



TO BE USED: STA. 392+86.47 TO 395+31.47

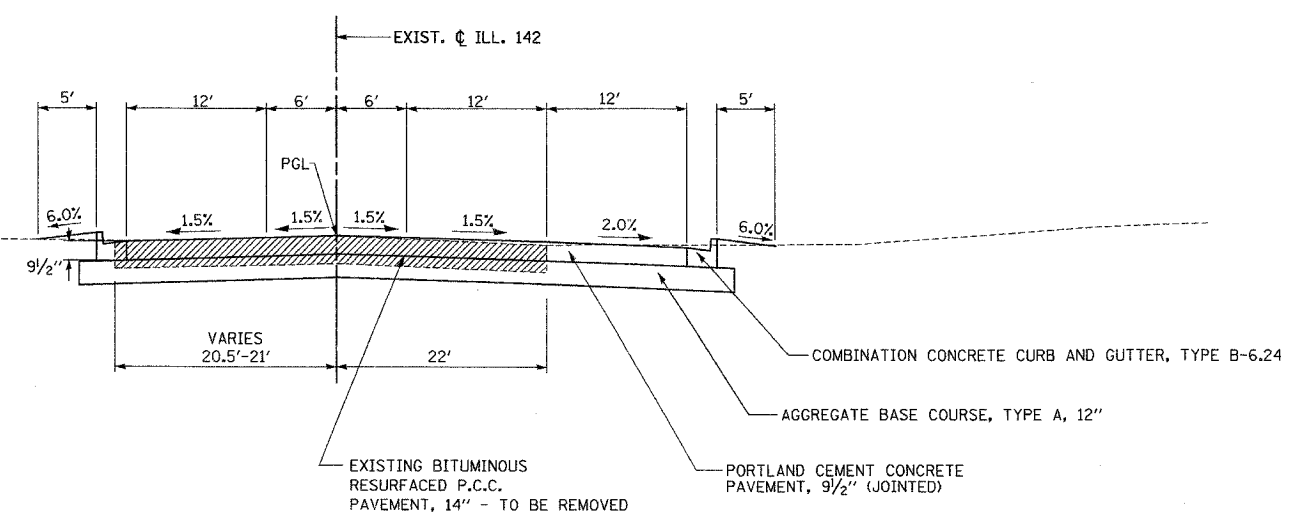
\*\* WHEN WIDENING IS LESS THAN 8', USE AGGREGATE BASE COURSE, TYPE A, 12"

CONTRACT NO. 98631				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TYPICAL SECTIONS  
ILL. RTE. 142

NOMINAL THICKNESS FOR EACH LIFT OF BINDER MUST BE AS FOLLOWS:

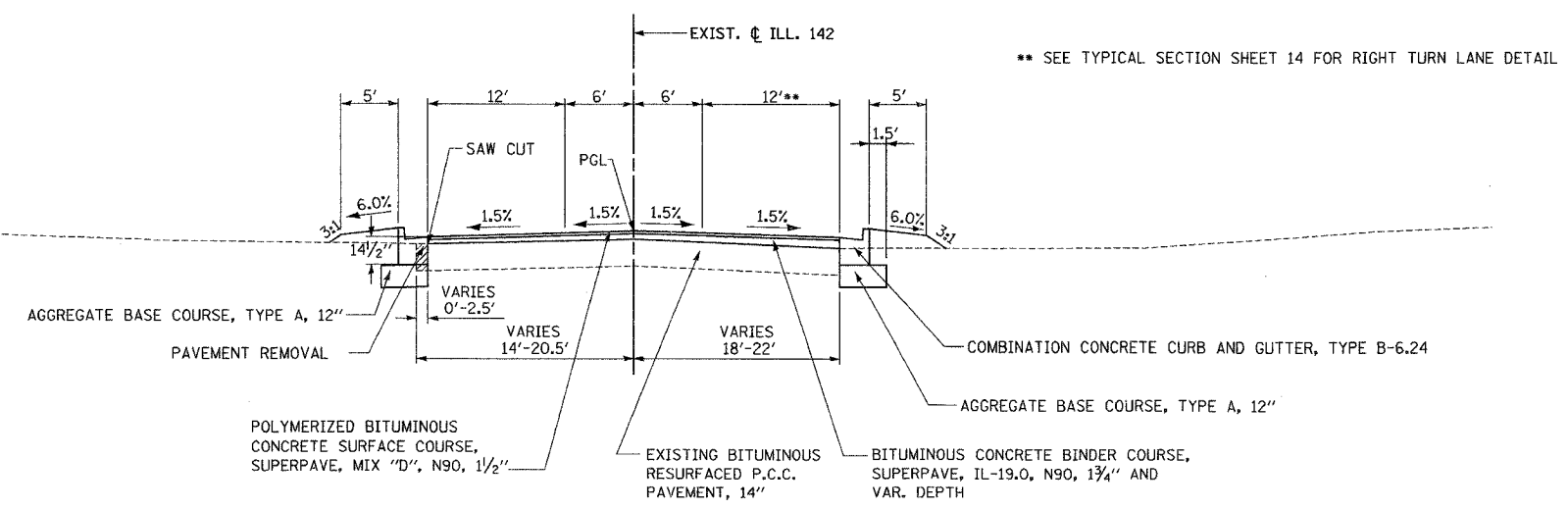
13" BINDER	
1st LIFT	5" (MAX.)
2nd LIFT	3"
3rd LIFT	3"
4th LIFT	2" (MAX.)



ILL. RTE. 142  
TO BE USED: STA. 9+43.00 TO 11+66.53

LEGEND:

	REMOVAL
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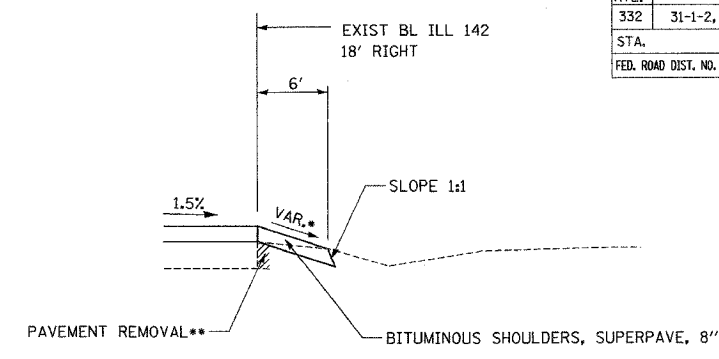
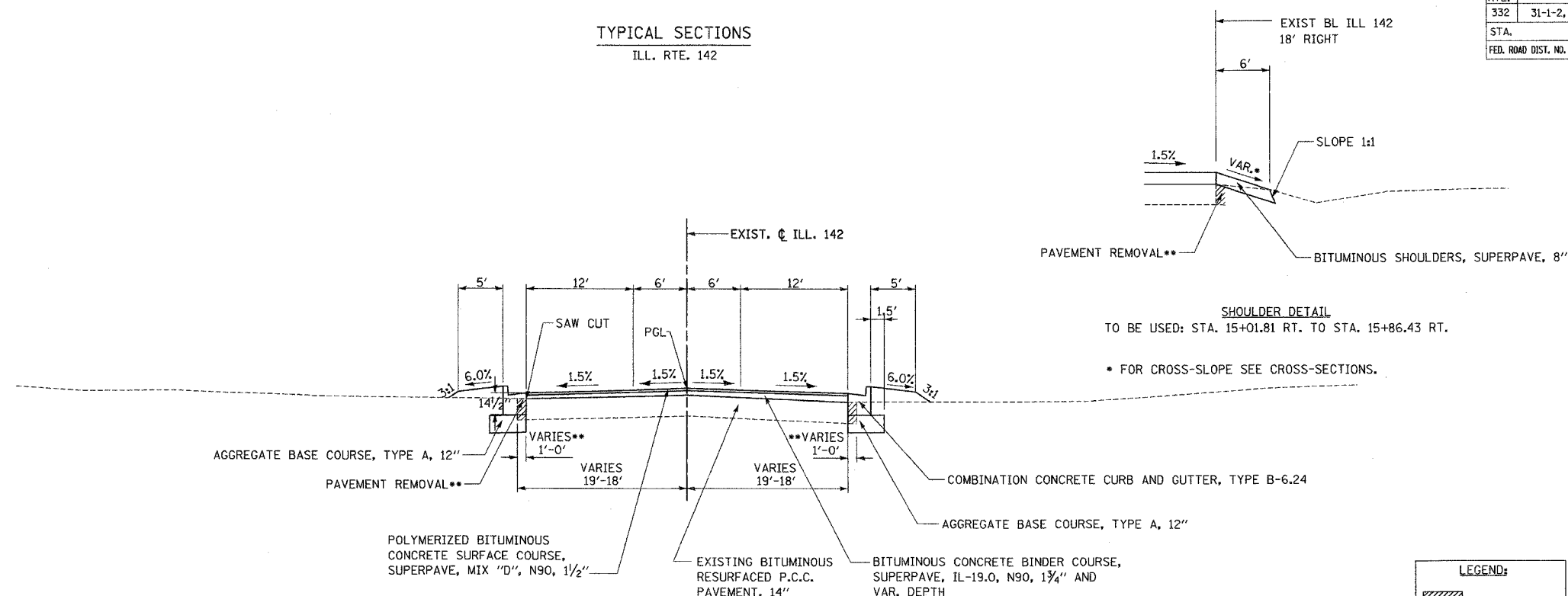
ILL. RTE. 142  
TO BE USED: STA. 8+87.88 TO 9+43.00

\*\* SEE TYPICAL SECTION SHEET 14 FOR RIGHT TURN LANE DETAIL

PROJECT NO.	ROADWAY CONTRACT NO.	TYPICAL SECTIONS
ACT. NO.	DATE	BY
REV. NO.	DATE	BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**TYPICAL SECTIONS**  
ILL. RTE. 142



**SHOULDER DETAIL**  
TO BE USED: STA. 15+01.81 RT. TO STA. 15+86.43 RT.  
• FOR CROSS-SLOPE SEE CROSS-SECTIONS.

**LEGEND:**

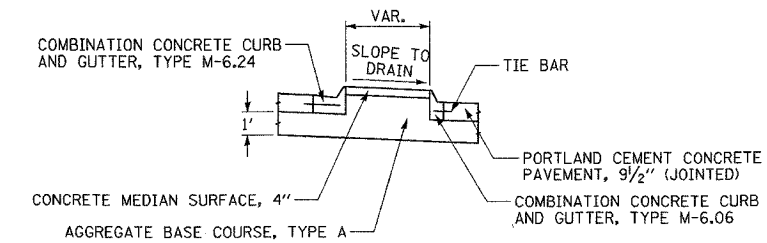
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NOMINAL THICKNESS FOR EACH LIFT OF BINDER MUST BE AS FOLLOWS:

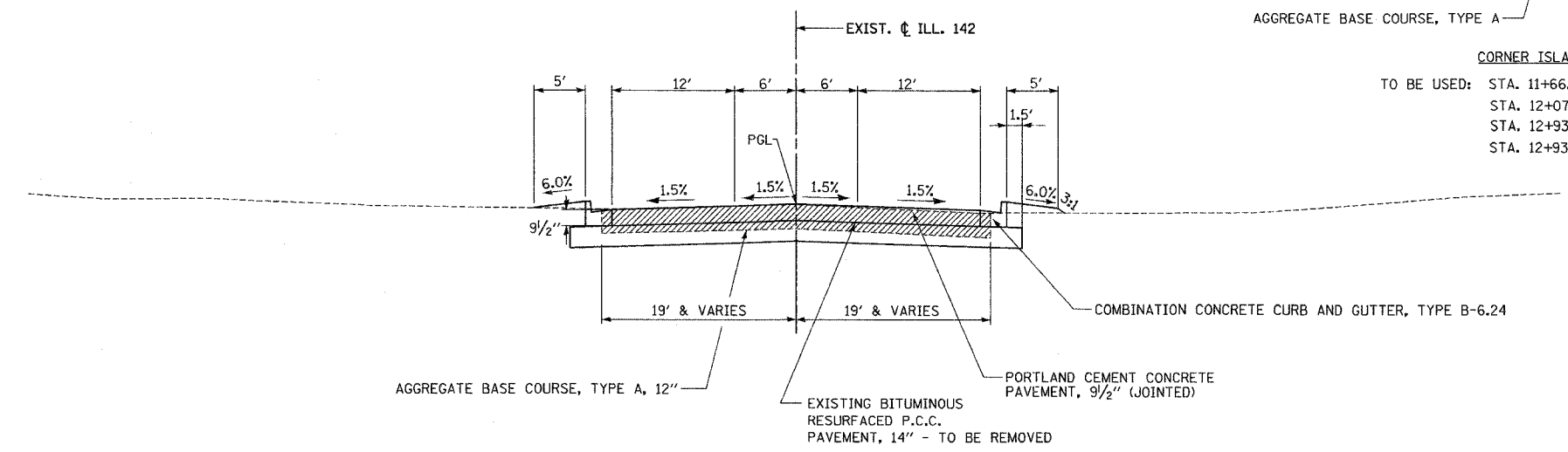
13" BINDER	
1st LIFT	5" (MAX.)
2nd LIFT	3"
3rd LIFT	3"
4th LIFT	2" (MAX.)

**ILL. RTE. 142**  
TO BE USED: STA. 15+50.00 TO 15+86.43

\*\* 0'-1' WIDE PAVEMENT REMOVAL:  
STA. 15+50.00 TO 15+55



**CORNER ISLAND DETAIL**  
TO BE USED: STA. 11+66.53 RT. TO 12+27.65 RT.  
STA. 12+07.04 LT. TO 12+33.61 LT.  
STA. 12+93.47 RT. TO 13+17.06 RT.  
STA. 12+93.47 LT. TO 13+39.81 LT.



**ILL. RTE. 142**  
TO BE USED: STA. 11+66.53 TO 12+30.63  
STA. 12+93.47 TO 15+50.00

NOTE:  
FOR CORNER ISLAND GEOMETRY AND CORNER RADII SEE GEOMETRICS SHEET 84.

M. PROGRESS ROADWAY/CONCRETE/TYPICAL SECTIONS/  
 Active File Reference Files  
 1901-35524.dwg  
 1901-35524.dwg

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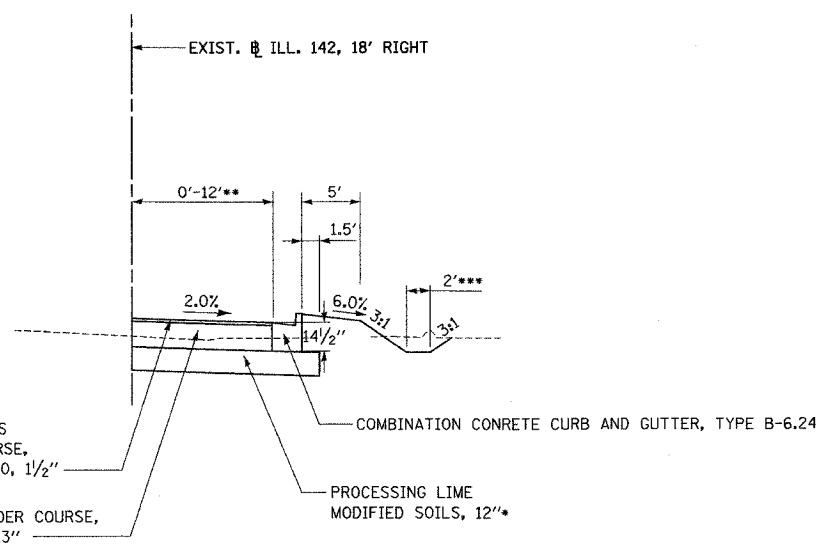
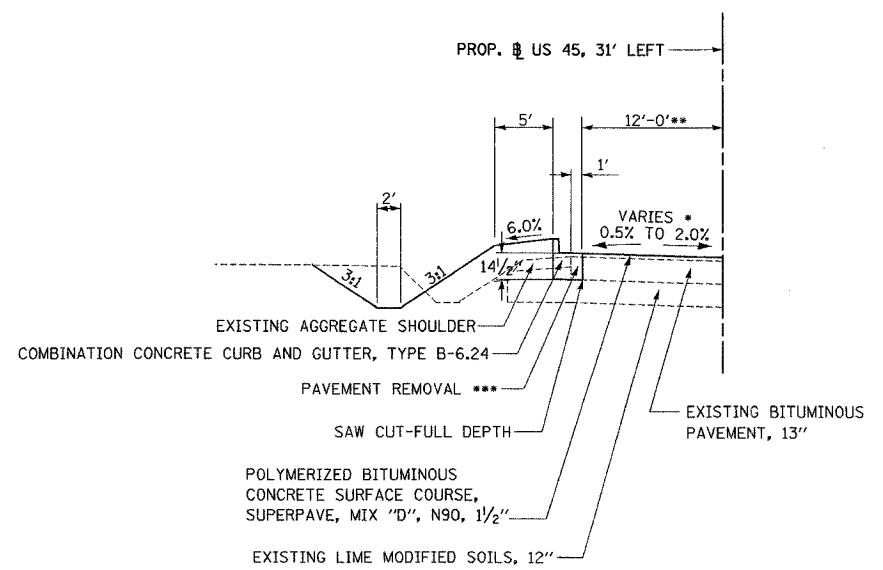
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

U.S. ROUTE 45  
RIGHT TURN LANE DETAIL

ILL. ROUTE 142  
RIGHT TURN LANE DETAIL  
SEE INTERSECTION GEOMETRICS SHEET 84 AND  
PAVEMENT MARKING SHEET 91 FOR  
INTERSECTION AND TRANSITION DETAILS

NOMINAL THICKNESS FOR EACH LIFT OF BINDER MUST BE AS FOLLOWS:

13" BINDER	
1st LIFT	5" (MAX.)
2nd LIFT	3"
3rd LIFT	3"
4th LIFT	2" (MAX.)



TO BE USED FOR RIGHT TURN LANE DEVELOPMENT:

- AT TROLLEY RD.  
STA. 338+65.10 TO 341+36.88 (LT)
- 0.5% AT STA. 338+65.10  
2.0% AT STA. 339+86.80
- 12' - STA. 338+65.10 LT TO 339+86.80 LT  
12' TO 0' - STA. 339+86.80 LT TO 341+36.88 LT
- 1' WIDE PAVEMENT REMOVAL:  
STA. 338+65.10 LT. TO 341+36.88 LT.

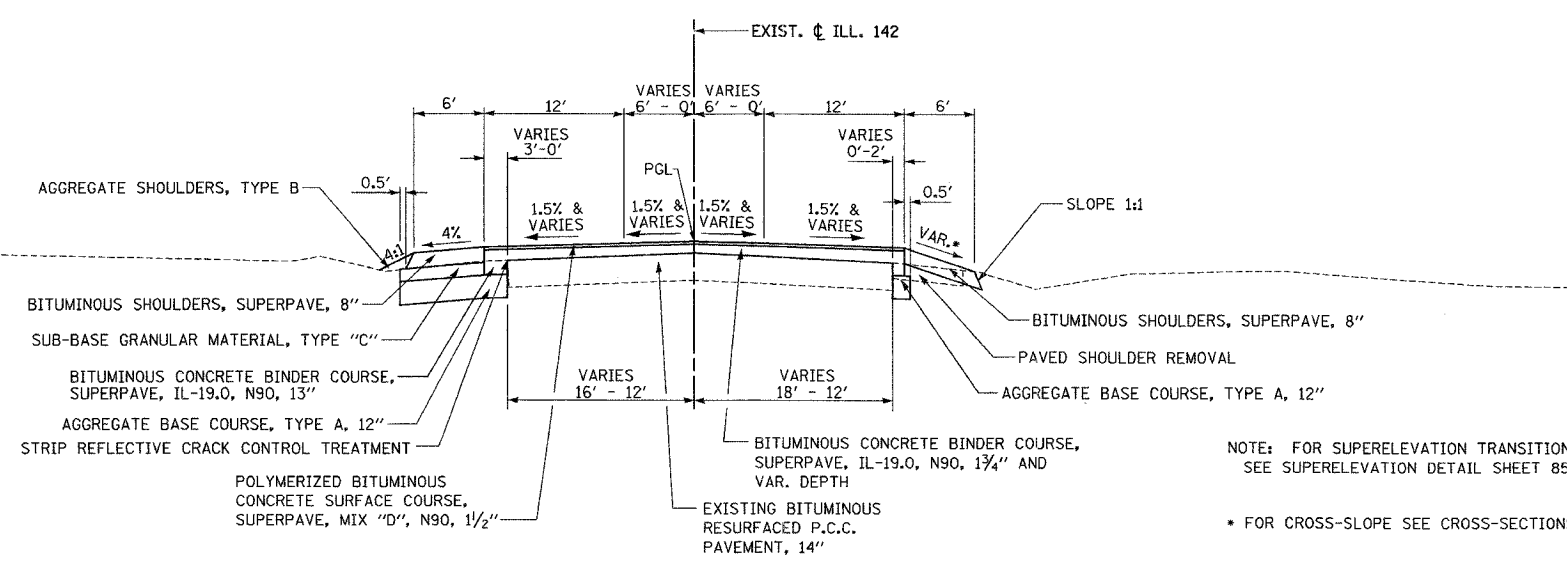
TO BE USED FOR RIGHT TURN LANE DEVELOPMENT:

- AT U.S. RTE. 45  
STA. 7+87.01 TO 9+43.00 (RT)
- WHEN WIDENING IS LESS THAN 8',  
USE AGGREGATE BASE COURSE, TYPE A
- TAPER 0' TO 12' STA. 7+87.01 RT TO 9+36.95 RT
- FOR DITCH LOCATION SEE CROSS-SECTIONS.

US 45

STRUCTURAL DESIGN TRAFFIC:	Year 2022
PV = 25,670	SU = 545 MU = 545
ROAD/STREET CLASSIFICATION:	Class I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 0.32	S = 0.45 M = 0.45
TRAFFIC FACTOR: Actual TF = 4.27	AC Type = AC-20
SUBGRADE SUPPORT RATING:	FAIR

TYPICAL SECTIONS  
ILL. RTE. 142



NOTE: FOR SUPERELEVATION TRANSITION  
SEE SUPERELEVATION DETAIL SHEET 85.

FOR CROSS-SLOPE SEE CROSS-SECTIONS.

ILL. RTE. 142  
TO BE USED: STA. 15+86.43 TO 18+15.66

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CHECKED BY

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Reference Files  
10/21/2015 10:45:00 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	15
STA. TO STA.		FED. AID PROJECT		
FED. ROAD DIST. NO.		ILLINOIS		

**PAVED SHOULDER REMOVAL**

LOCATION STA. TO STA.	PAVED SHOULDER REMOVAL
	SQ. YDS.
U.S. RTE. 45 - LEFT	
344+98 TO 365+85	464
366+14 TO 372+80	148
372+80 TO 375+85	204
375+85 TO 376+05	5
U.S. RTE. 45 - RIGHT	
344+98 TO 365+60	458
365+89 TO 376+00	225
ILL. RTE. 142/STATE ST.	
15+02 RT. TO 18+16 RT.	210
<b>TOTAL</b>	<b>1714</b>

**PAVEMENT REMOVAL**

LOCATION STA. TO STA.	PAVEMENT REMOVAL
	SQ. YDS.
US RTE 45	
* 338+65.10 LT. TO 344+58.20 LT.	66
** 339+49.68 RT. TO 344+58.20 RT.	57
344+58.20 LT TO 344+98.20 LT	42
344+58.20 RT TO 344+98.20 RT	42
INTERSECTION @ US RTE 45 & IL 142	5872
US RTE 45 - TEMPORARY PAVEMENT REMOVAL	
STAGE 1A	
363+90 RT. TO 367+70 RT.	164
STAGE 1B	
364+35 LT. TO 368+20 LT.	192
INTERSECTION @ US RTE 45 & IL 142	1205
<b>TOTAL</b>	<b>7640</b>

- \*NOTE: PAVEMENT REMOVAL FROM STA. 338+65.10 LT. TO 344+58.20 LT. IS FOR ONE FOOT WIDE LEFT EDGE OF PAVEMENT.
- \*\*NOTE: PAVEMENT REMOVAL FROM STA. 339+49.68 RT. TO 344+58.20 RT. IS FOR ONE FOOT WIDE RIGHT EDGE OF PAVEMENT.

**SHOULDERS**

LOCATION STA. TO STA.	SUB-BASE * GRAN. MAT. TY. C	BIT. SHLDRS. SUPERPAVE 8 IN. SQ. YDS.	AGG. ** SHLDRS. TY. B
	TON	SQ. YDS.	TON
ILL. RTE. 142/STATE ST.			
6+99.09 LT. TO 7+52.11 LT.	31	35	13
7+06.46 RT. TO 7+46.35 RT.	24	24	6
15+01.81 RT. TO 18+15.66 RT.		209	
U.S. RTE. 45 TEMPORARY SHOULDERS			
STAGE 1A - STA. 363+90 RT. TO 367+70 RT.			56
STAGE 1B - STA. 364+35 LT. TO 368+20 LT.			36
INTERSECTION @ US 45 & IL 142			192
<b>TOTALS</b>		<b>268</b>	<b>303</b>

- \* NOTE: THIS COLUMN IS FOR INFORMATION ONLY - SUB-BASE GRANULAR MATERIAL TYPE C IS INCLUDED IN THE COST OF THE IMPROVED SUBGRADE.
- \*\* NOTE: SEE MAINTENANCE OF TRAFFIC GENERAL NOTES (SHEET 27) FOR ADDITIONAL AGGREGATE SHOULDERS, TYPE B

**EARTHWORK**

BALANCE	LOCATION STATION TO STATION	EARTH EXCAVATION	CHANNEL EXCAVATION	EMBANKMENT	EXCESS EXCAVATION	EXCAVATION REQUIRED TO COMPLETE	AVERAGE SHRINKAGE FACTOR	BORROW EXCAVATION
		CU YD	CU YD	CU YD	CU YD	CU YD	*	CU YD
	<b>MAINLINE</b>							
	338+65.10 TO 344+90.00	399		521		251	1.48	297
	344+90.00 TO 365+07.50	2111		5562		3963	1.32	4677
	366+50.00 TO 395+31.47	2711		4938		2868	1.31	3384
	<b>SIDE ROADS</b>							
	IL 142							
	7+00.00 TO 11+50.00	517		201	216		1.50	
	14+00.00 TO 18+15.66	663		173	392		1.57	
	<b>CHANNELS</b>							
	TRIB. TO M. FORK SALINE RIVER		1406					1406 **
	DRAINAGE DITCH		301					301 **
	<b>PROJECT TOTALS</b>	<b>6401</b>	<b>1707</b>					<b>8358</b>

- NOTES:
- \* A SHRINKAGE FACTOR OF 1.18 WAS USED TO CALCULATE BORROW EXCAVATION.
  - SWELL FACTORS ARE FOR INFORMATION ONLY.
  - \*\* CONSIDERED UNSUITABLE MATERIAL.

**DRIVEWAY PAVEMENT REMOVAL**

LOCATION STA. TO STA.	DRIVEWAY PAVEMENT REMOVAL
	SQ. YDS.
US 45	
343+34 LT TO 345+50 LT	404
347+23 LT TO 348+54 LT	334
347+33 RT TO 348+09 RT	275
348+32 RT TO 349+27 RT	229
348+79 LT TO 351+37 LT	649
351+35 RT TO 351+85 RT	109
352+43 LT TO 352+86 LT	21
353+70 LT TO 354+39 LT	132
353+98 RT TO 354+63 RT	119
354+58 LT TO 354+99 LT	14
355+39 LT TO 356+04 LT	145
355+57 RT TO 356+25 RT	213
364+39 LT TO 365+19 LT	149
369+28 LT TO 369+78 LT	118
370+40 LT TO 371+04	167
372+74 LT TO 374+08 LT	566
376+99 RT TO 380+65 RT	1013
380+76 RT TO 381+30 RT	102
381+73 RT TO 382+23 RT	76
382+46 RT TO 382+82 RT	84
383+55 RT TO 384+51 RT	221
384+51 RT TO 385+04 RT	63
385+45 RT TO 385+88 RT	59
386+08 RT TO 386+85 RT	127
378+75 LT TO 379+93 LT	290
380+08 LT TO 380+61 LT	138
381+40 LT TO 382+40 LT	123
382+87 LT TO 383+24 LT	30
385+80 LT TO 386+29 LT	76
386+34 LT TO 386+88 LT	108
387+21 LT TO 388+07 LT	447
388+87 RT TO 389+76 RT	458
390+18 RT TO 391+24 RT	254
390+36 LT TO 390+72 LT	68
391+47 RT TO 392+08 RT	127
392+28 LT TO 392+71 LT	99
393+46 RT TO 393+74 RT	78
393+52 LT TO 393+96 LT	89
ILL RTE 142	
7+46 RT TO 7+80 RT	46
7+54.19 LT TO 8+14.52 LT	87
8+92 RT TO 9+34 RT	76
10+11 RT TO 11+36 RT	183
10+69 LT TO 10+99 LT	44
13+87 LT TO 15+79 LT	383
14+18 RT TO 15+02 RT	107
15+79 LT TO 18+44 LT	230
<b>TOTAL</b>	<b>8930</b>



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NEW PAVEMENT, WIDENING & RESURFACING

LOCATION STA. TO STA.	POLY. BIT. CONC. SURF. CSE., SUPER. MIX. "D", N90 TON	BIT. CONC. BINDER CSE., SUPER. IL-19.0, N90 TON	BIT. CONC. BINDER CSE., SUPER. IL-19.0, N90, 8" SQ. YD.	P.C.C. PAVT. 9 1/2" (JOINTED) SQ. YD.	AGGREGATE BSE. CSE. TYPE A TON	PROCESSING LIME MOD. SOILS - 12 IN. SQ. YD.	BIT. MAT. (PRIME COAT) GAL.	STRIP REFLECTIVE CRACK CONTROL TREATMENT FOOT	BIT. SURF. REMOVAL-BUTT JOINT SQ. YD.	BIT. SURF. REMOVAL (VAR. DEPTH) SQ. YDS.	TEMPORARY RAMP SQ. YD.	MATERIAL TRANSFER DEVICE TON	PROTECTIVE COAT SQ. YD.
J.S. RTE. 45													
339+49.68 TO 342+00.00	163	770			153		174	501		1930	41	349	
342+00.00 TO 342+85	50	222			52		53	170				115	
342+85 TO 344+58.20	101	270			106		107	347				234	
344+58.20 TO 374+45	1729	5029	12611			15930	1852	5870				4033	
374+45 TO 375+85	82	235	467			622	87	280				189	
375+85 TO 385+30	547	1773	2311			3150	586	1890				1276	
385+30 TO 391+26				4106	3168								4106
391+26 TO 392+86.47	93	286	391			535	99	321				217	
392+86.47 TO 395+31.47 *	118	372	299		29	448	125	490	135		22	273	
ILL. RTE. 142/STATE ST.													
5+92.63 TO 9+43	81	148	172		277		86	196	80		13	187	
9+43 TO 12+30.63				1535	1227								1535
12+30.63 TO 15+50				1027	861								1027
15+50 TO 15+86.43	13	17	10		23		13					29	
15+86.43 TO 18+15.66	65	171	60		187		69	459	82		14	150	
INTERSECTION @ US RTE 45 & IL 142													
				1489	1017						120		1489
TOTALS	3042	9293	16321	8157	7100	20685	3251	10524	297	1930	210	7052	8157

\* NOTE: IN AREAS WHERE THE WIDENING IS LESS THAN 3', 12" OF AGGREGATE BASE COURSE TYPE A WILL BE UTILIZED IN LIEU OF PROCESSING LIME MODIFIED SOILS - 12 INCH

NOTE: SEE ENTRANCE SCHEDULE FOR ADDITIONAL PAVING QUANTITIES

DRAWN BY AS  
CHECKED BY DB

1. 1/2" PROPOSED ROADWAY CONTRACT GENERAL  
SCALE: 1"=20' (PLAN)  
SCALE: 1"=40' (SECTION)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PROPOSED CONCRETE CURB & GUTTER

LOCATION STA. TO STA.	COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24 FOOT	COMBINATION CONCRETE CURB & GUTTER TYPE M-6.06 FOOT	COMBINATION CONCRETE CURB & GUTTER TYPE M-6.24 FOOT	COMBINATION CONCRETE CURB & GUTTER TYPE M-6.24 (VAR. WIDTH GUTTER FLAG) FOOT	CONCRETE CURB TYPE B FOOT	CURB REMOVAL FOOT	COMBINATION CURB & GUTTER REMOVAL FOOT	CONCRETE MEDIAN SURFACE, 4" SQ. FT.	ISLAND REMOVAL SQ. FT.	PROTECTIVE COAT SQ. YD.
U.S. RTE. 45 - LEFT										
338+65.10 TO 339+49.68	85									28
339+49.68 TO 342+85	316									105
342+85 TO 344+58.20	187									62
344+58.20 TO 374+45	2764				55	100				940
374+45 TO 375+85	143									48
375+85 TO 385+30	634						896			211
385+30 TO 391+26	753	104	87	82		262	698	1533	154	342
391+26 TO 392+86.47	103					48	161			34
392+86.47 TO 395+31.47	200					31				67
U.S. RTE. 45 - RIGHT										
338+65.10 TO 339+49.68	85									
339+49.68 TO 342+85	345									115
342+85 TO 344+58.20	200									67
344+58.20 TO 374+45	2856				47	203				968
374+45 TO 375+85	100									33
375+85 TO 385+30	680						946			227
385+27 TO 385+39										4
385+30 TO 391+26	751	86	78	64	12	12	712	1042	192	326
391+26 TO 392+86.47	148					229	161			49
392+86.47 TO 395+31.47	197									66
ILL. RTE. 142/STATE ST. - LEFT										
6+92.63 TO 11+51.57	327									109
13+69.49 TO 18+15.66	461					23	19			154
ILL. RTE. 142/STATE ST. - RIGHT										
6+92.63 TO 11+51.57	285					25	148			95
13+69.49 TO 18+15.66	35					68	27			12
DRIVEWAYS (U.S. 45)										
338+65.10 TO 395+31.47	2448									816
DRIVEWAYS (ILL. 142/STATE ST.)										
6+92.63 TO 18+15.66	213									71
TOTALS	14316	190	165	146	114	1001	3768	2575	346	4949

NOTE: SEE ENTRANCES SCHEDULE AND NEW PAVEMENT, WIDENING AND RESURFACING SCHEDULE FOR ADDITIONAL PROTECTIVE COAT.

DRAWN BY  
CHECKED BY

U:\PROJ\USE\ROADWAY\CONTRACT\GENERAL  
REF: 352624.DWG  
SCH: 352624.DWG  
DATE: 08/11/08

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	18
STA. TO STA.				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

STORM SEWERS & END SECTIONS

LOCATION STA. TO STA.	STORM SEWERS, CLASS A, TYPE 2								STORM SEWERS RUBBER GASKET CLASS A, TYPE 2			STORM SEWERS, CLASS B, TYPE 1	P.R.C. FLARED END SECTION	TRENCH BACKFILL
	12 INCH FEET	15 INCH FEET	18 INCH FEET	24 INCH FEET	30 INCH FEET	36 INCH FEET	42 INCH FEET	48 INCH FEET	15 INCH FEET	18 INCH FEET	24 INCH FEET	4 INCH FEET	24 INCH EACH	CU.YD.
U.S. RTE. 45														
STA 340+62.00 LT TO STA 341+97.00 LT		135												9.9
STA 342+03.00 LT TO STA 343+17.00 LT		114												13.8
STA 343+23.00 LT TO STA 343+96.00 LT				73										8.8
STA 344+02.00 LT TO STA 344+80.00 LT											78			9.0
STA 344+86.00 LT TO STA 345+63.00 LT											77			8.9
STA 345+69.00 LT TO STA 348+18.00 LT					249									39.3
STA 348+24.00 LT TO STA 349+25.00 LT					101									19.4
STA 349+31.00 LT TO STA 350+97.00 LT					166									20.6
STA 351+03.00 LT TO STA 352+07.00 LT					104									16.4
STA 352+11.00 LT TO STA 352+27.00 LT					16									3.1
STA 352+20.00 LT	9													
STA 352+33.00 LT TO STA 353+47.00 LT					114									29.6
STA 353+50.00 LT		3												
STA 353+53.00 LT TO STA 354+97.00 LT						144								89.1
STA 355+00.00 LT		10												
STA 355+03.00 LT TO STA 356+47.00 LT					144									103.4
STA 356+53.00 LT TO STA 357+17.00 LT					64									49.1
STA 357+23.00 LT TO STA 357+97.00 LT					74									60.4
STA 358+03.00 LT TO STA 358+97.00 LT					94									86.0
STA 359+03.00 LT TO STA 359+97.00 LT					94									95.3
STA 360+00.00 LT			17											
STA 360+03.00 LT TO STA 360+97.00 LT							94							102.5
STA 361+03.00 LT TO STA 361+97.00 LT							94							107.8
STA 362+03.00 LT TO STA 362+97.00 LT							94							112.8
STA 363+03.00 LT TO STA 364+37.00 LT								134						172.1
STA 364+40.00 LT			13											
STA 364+43.00 LT TO STA 365+77.00 LT								134						195.4
STA 365+83.00 LT TO STA 366+00.00 LT								17						26.8
STA 366+43.00 LT TO STA 368+82.00 LT				239										202.2
STA 368+88.00 LT TO STA 369+97.00 LT				109										83.3
STA 370+03.00 LT TO STA 371+06.00 LT				103										42.4
STA 371+12.00 LT TO STA 371+77.00 LT				65										21.0
STA 371+83.00 LT TO STA 372+70.00 LT				87										25.6
STA 372+76.00 LT TO STA 374+27.00 LT				151										39.9
STA 374+30.00 LT	7													
STA 374+33 LT TO STA 375+67.00 LT										134				31.5
STA 375+33.00 LT TO STA 375+49.00 LT	16													
STA 375+51.00 LT TO STA 375+67.00 LT	21													
STA 375+73.00 LT TO STA 376+50.00 LT				77										15.8
STA 376+53.00 LT	6													
STA 376+56.00 LT TO STA 377+33.00 LT				77										15.8
STA 377+36.00 LT	6													
STA 377+39.00 LT TO STA 378+42.00 LT				103										27.2
STA 378+60.00 LT	13													
STA 378+48.00 LT TO STA 380+05.00 LT				157										46.2
STA 380+23.00 LT	13													17.2
STA 380+11.00 LT TO STA 381+17.00 LT				106										28.0
STA 381+20.00 LT	6													
STA 381+23.00 LT TO STA 382+21.00 LT				98										23.0
STA 382+24.00 LT	6													
STA 382+27.00 LT TO STA 382+65.00 LT				38										7.8
STA 382+67.00 LT	4													0.5
STA 382+69.00 LT TO STA 383+34.00 LT				65										13.3
STA 382+70 to STA 382+89.00 LT										19				
STA 383+37.00 LT	6													
STA 383+40.00 LT TO STA 385+22.00 LT				182										42.8
STA 385+25.00 LT	4													
STA 385+28.00 LT TO STA 386+39.00 LT				111										35.9
STA 386+42.00	6													
STA 386+45.00 LT TO STA 387+16.00 LT				71										22.9
STA 387+22.00 LT TO STA 387+74.00 LT										62				14.6
STA 388+63.24 LT TO STA 389+92.00 LT				129										15.0
STA 389+00.00 LT	6													
STA 389+98.00 LT TO STA 390+97.00 LT				99										11.5
STA 391+00.00 LT	3													
STA 391+03.00 LT TO STA 392+17.00 LT				114										16.6
STA 392+00.00 LT	4													
STA 392+23.00 LT TO STA 392+87.00 LT				64										11.2
STA 392+90.00 LT	5													
STA 392+93.00 LT TO STA 394+00.00 LT				107										15.6
STA 394+03.00 LT	5													
STA 394+06.00 LT TO STA 395+28.00 LT				122										17.8
SUBTOTALS	146	262	30	2547	750	614	282	285	0	0	351	19	0	2224.0

DRAWN BY .....  
CHECKED BY .....  
.....

V. M. / PROJ 3326 / ROADWAY / CONTRACT 4 / GENERAL  
3/23/06 10:00 AM  
S:\1001-25864.GPJ

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	19
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STORM SEWERS & END SECTIONS (CONT'D)

LOCATION STA. TO STA.	STORM SEWERS, CLASS A, TYPE 2								STORM SEWERS RUBBER GASKET CLASS A, TYPE 2			STORM SEWERS, CLASS B, TYPE 1	P.R.C. FLARED END SECTION	TRENCH BACKFILL
	12 INCH FEET	15 INCH FEET	18 INCH FEET	24 INCH FEET	30 INCH FEET	36 INCH FEET	42 INCH FEET	48 INCH FEET	15 INCH FEET	18 INCH FEET	24 INCH FEET	4 INCH FEET	24 INCH EACH	CU.YD.
	U.S. RTE. 45													
STA 339+00.00 RT		11												
STA 339+03.00 RT TO STA 339+57.00 RT				54										17.4
STA 339+63.00 RT TO STA 340+17.00 RT				54										17.4
STA 340+23.00 RT TO STA 340+70.00 RT				47										15.2
STA 340+76.00 TO STA 341+47.00 RT				71										18.7
STA 341+50 RT		9												
STA 341+53.00 RT TO STA 342+67.00 RT				114										26.8
STA 342+73.00 TO STA 343+96.00 RT				123										21.5
STA 344+02.00 RT TO STA 345+28.00 RT				126										22.1
STA 345+34.00 RT TO STA 348+15.00 RT											281			74.2
STA 348+18 RT		8												
STA 348+21.00 RT TO STA 349+65.00 RT						144								167.3
STA 349+68.00 RT			11											
STA 349+71.00 RT TO STA 351+27.00 RT						156								158.2
STA 351+33.00 RT TO STA 352+38.00 RT						105								96.1
STA 352+41.00 RT			8											
STA 352+44.00 RT TO STA 353+47.00 RT						103								94.2
STA 353+53.00 RT TO STA 354+97.00 RT						144								138.8
STA 355.00.00 RT			11											
STA 355+03.00 RT TO STA 356+47.00 RT						144								153.1
STA 356+53.00 RT TO STA 357+17.00 RT						64								68.0
STA 357+23.00 RT TO STA 357+97.00 RT						74								78.7
STA 358+03.00 RT TO STA 358+97.00 RT						94								99.9
STA 359+03.00 RT TO STA 359+97.00 RT						94								104.6
STA 360+03.00 RT TO STA 360+97.00 RT						94								109.2
STA 361+03.00 RT TO STA 361+97.00 RT						94								109.2
STA 362+03.00 RT TO STA 362+97.00 RT						94								113.8
STA 363+03.00 RT TO STA 364+47.00 RT						144								186.6
STA 364+53.00 RT TO STA 365+30.00 RT						77								104.6
STA 365+70.00 RT TO STA 365+97.00 RT				27										25.0
STA 366+03.00 RT TO STA 368+82.00 RT				279										247.2
STA 368+88.00 RT TO STA 369+97.00 RT				109										83.3
STA 370+03.00 RT TO STA 370+97.00 RT				94										60.3
STA 371+03.00 RT TO STA 371+77.00 RT				74										26.1
STA 371+83.00 RT TO STA 372+77.00 RT				94										30.4
STA 372+83.00 RT TO STA 374+27.00 RT				144										42.3
STA 374+33.00 RT TO STA 375+67.00 RT											134			35.4
STA 375+73.00 RT TO STA 376+53.00 RT				80										25.8
STA 376+57.00 RT TO STA 376+87.00 RT				30										9.7
STA 376+93.00 RT TO STA 377+84.00 RT				91										26.8
STA 377+02.00 RT	10													
STA 377+87.00 RT	9													
STA 377+90.00 RT TO STA 378+55.00 RT				65										21.0
STA 378+61.00 RT TO STA 380+22.00 RT				161										56.8
STA 380+25.00 RT	6													
STA 380+28.00 RT TO STA 381+35.00 RT				107										34.6
STA 381+38.00 RT	6													
STA 381+41.00 RT TO STA 382+13.00 RT				72										21.2
STA 382+19.00 RT TO STA 382+81.00 RT														17.4
STA 382+86.00 RT	6				62									
STA 382+87.00 RT TO STA 383+50.00 RT														17.7
STA 383+50.00 RT	6													
STA 383+56.00 RT TO STA 385+27.00 RT														52.5
STA 385+31.00 RT	4													
STA 385+33.00 RT TO STA 385+98.00 RT														23.3
STA 385+31.00 RT	25													
STA 386+04.00 RT TO STA 386+97.00 RT														33.3
STA 387+03.00 RT TO STA 387+71.00 RT														22.6
STA 387+77.00 RT TO STA 387+94.00 RT														5.1
STA 388+78.36 RT TO STA 389+94.00 RT				116										13.5
STA 391+00.00 RT	5													
STA 390+00.00 RT TO STA 390+97.00 RT				97										11.3
STA 391+03.00 RT TO STA 392+17.00 RT				114										13.2
STA 392+23.00 RT TO STA 392+87.00 RT				64										7.4
STA 392+93.00 RT TO STA 393+33.00 RT	43													11.8
STA 392+93.00 RT TO STA 393+74.00 RT				81										
STA 393+66.00 RT TO STA 393+74.00 RT	20													21.6
STA 393+80.00 RT TO STA 395+29.00 RT				148										
STA 395+31 RT	7													
ILL. RTE. 142														
STA 6+68.00 LT													1	
STA 6+70.00 LT TO STA 8+35.00 LT				165										19.1
STA 8+37.00 LT		5												
STA 8+39.00 TO STA 10+30.00 LT				191										39.2
STA 10+32.00 LT		5												
STA 10+34.00 LT TO STA 12+13.00 LT														36.7
STA 12+09.00 LT		32												6.1
STA 12+19.00 LT TO STA 13+17.00 LT				98										20.0
STA 13+42.00 LT		50												6.1
STA 13+23.00 LT TO STA 15+08.00 LT				185										23.0
STA 15+10.00 LT		5												
STA 15+12.00 LT TO STA 15+98.00 LT				86										10.0
STA 16+00.00 LT		5												
STA 16+02.00 LT TO STA 18+14.00 LT				212										24.6
STA 18+16.00 LT													1	
STA 10+03.00 RT TO STA 11+28.00 RT									125					15.1
STA 11+32.00 RT TO STA 11+66.00 RT									32					3.9
STA 13+13.45 RT TO STA 13+97.00 RT										112				9.6
SUBTOTALS	147	130	484	3573	0	1625	0	0	157	198	594	0	2	3207.6
TOTALS	293	392	514	6120	750	2239	282	285	157	198	945	19	2	5431.5

NOTE: SEE PIPE CULVERTS AND END SECTIONS SCHEDULE FOR ADDITIONAL END SECTIONS AND TRENCH BACKFILL

DRAWN BY ...JS  
CHECKED BY ...DB

Illinois State Board of Transportation  
SALINE COUNTY  
PROJECT NO. 31-1-2, 31B  
SHEET NO. 19

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	20
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKINGS

LOCATION STA. TO STA.	POLYUREA PAVEMENT MARKING TYPE II - LINE					POLYUREA PAVEMENT MARKING SPECIAL - LINE				POLYUREA PAVEMENT MARKING LETTERS & SYMBOLS, SPECIAL SQ. FT.
	4" SOLID WHITE FEET	4" SOLID YELLOW FEET	4" SKIP DASH WHITE FEET	4" SKIP DASH YELLOW FEET	6" SOLID WHITE FEET	8" SOLID WHITE FEET	12" SOLID WHITE FEET	12" SOLID YELLOW FEET	24" SOLID WHITE FEET	
U.S. RTE. 45										
337+00 TO 349+00		2144	536	436	259					229
349+00 TO 361+00		2400	600	600						250
361+00 TO 373+00		2400	600	600						250
373+00 TO 385+00		2400	600	561						250
385+00 TO 397+00		1871	332	152	428	245	135		108	180
ILL. RTE. 142/STATE ST.										
6+00 TO 19+00	540	2011			628	266	160	324	80	146
SUB-TOTALS	540	13226	2668	2349	1315	511	295	324	188	1305
TOTALS			18783		1315	511	619		188	1305

RAISED REFLECTIVE PAVEMENT MARKERS

LOCATION STA. TO STA.	RAISED REFLECTIVE PAVEMENT MARKER		
	TWO WAY AMBER EACH	ONE WAY CRYSTAL EACH	ONE WAY AMBER EACH
U.S. RTE. 45			
337+00 TO 349+00	55	42	
349+00 TO 361+00	61	31	
361+00 TO 373+00	61	31	
373+00 TO 385+00	61	31	
385+00 TO 397+00	48	40	
ILL. RTE. 142/STATE ST.			
6+00 TO 19+00	18	31	34
SUB-TOTALS	304	206	34
TOTALS		544	

TREE REMOVAL

STATION TO STATION	TREE REM ACRE	DISTANCE FROM CL TO LIMITS OF REMOVAL (FT)
US 45 MAINLINE		
365+00 TO 366+15	0.05	LT 45' TO 65'
365+60 TO 366+45	0.03	RT 50' TO 65'
366+90 TO 367+90	0.05	RT 55' TO 75'
TOTAL	0.13	

GUARDRAIL REMOVAL

LOCATION STA. TO STA.	GUARDRAIL REMOVAL FOOT
U.S. RTE. 45	
364+96 RT. TO 365+49 RT.	53
365+54 LT. TO 365+94 LT.	40
365+79 RT. TO 366+17 RT.	38
366+24 LT. TO 366+75 LT.	51
TOTALS	182

STATION	OFFSET FEET	TREE REMOVAL	
		6-15 UNIT	OVER 15 UNIT
US 45 MAINLINE			
340+15	55 LT		28
342+10	25 LT		30
352+65	40 LT	9	
353+90	45 LT	6	
354+55	35 LT	10	
363+35	60 LT		36
372+15	30 RT		40
374+50	27 RT		29
374+70	30 RT		32
TOTAL		25	195

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	22
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PIPE CULVERTS AND END SECTIONS

LOCATION	PIPE CULVERTS - CLASS D			END SECTION			TRENCH BACKFILL CU. YD.
	TYPE 2 12" FOOT	TYPE 2 15" FOOT	TYPE 2 18" FOOT	12" EACH	15" EACH	18" EACH	
	U.S. RTE. 45						
STA 345+31 RT		11			1		
STA 347+01 RT		30			2		4.3
STA 358+00 RT			15			1	
STA 361+00 RT		18			1		
STA 366+67 RT		28			2		7.9
STA 372+80 RT	16			1			
STA 340+62 LT	6			1			
STA 342+00 LT	6			1			
STA 343+20 LT	4			1			
STA 344+83 LT			8			1	
STA 345+66 LT			7			1	
STA 349+28 LT			7			1	
STA 351+00 LT			8			1	
STA 370+00 LT	18			1			
STA 371+80 LT	15			1			
STA 372+73 LT	12			1			
ILL. RTE. 142							
STA 7+62 RT		34			2		4.9
STA 10+00 RT	7			1			
<b>TOTALS</b>	<b>84</b>	<b>121</b>	<b>45</b>	<b>8</b>	<b>8</b>	<b>5</b>	<b>17.1</b>

NOTE: SEE STORM SEWERS AND END SECTIONS SCHEDULE FOR ADDITIONAL END SECTIONS AND TRENCH BACKFILL.

PIPE CULVERT REMOVAL

LOCATION	OFFSET		PIPE CULVERT REMOVAL FOOT
	LEFT FEET	RIGHT FEET	
U.S. RTE. 45			
340+92.00		26	38
343+12.00		25	52
343+73.00	40		68
345+24.00	23		40
347+14.00		25	26
347+70.00		24	65
347+88.00	23		49
348+87.00		24	49
349+78.00	23		33
351+60.00		23	43
351+65.00	23		91
354+09.00	23		49
354+31.00		27	66
354+74.00	26		38
355+92.00		27	72
358+63.00		32	55
364+78.00	44		43
366+66.00		53	30
369+51.00	49		59
370+77.00	47		49
372+22.00	47		41
393+36.00		35	9
393+54.00		36	36
394+00.00		39	21
ILL. RTE. 142/STATE ST.			
7+62.00		35	39
<b>TOTALS</b>			<b>1161</b>

EROSION CONTROL

LOCATION STA. TO STA.	TEMPORARY DITCH CHECK	INLET AND PIPE PROTECTION
	EACH	
U.S. RTE. 45		
334+00 TO 340+00	2	1
340+00 TO 346+00	2	7
346+00 TO 352+00	1	5
352+00 TO 358+00	2	6
358+00 TO 364+00	3	2
364+00 TO 370+00	6	3
370+00 TO 376+00	3	6
376+00 TO 382+00		9
382+00 TO 386+00		6
386+00 TO 392+00		4
392+00 TO 396+89.14		6
ILL. RTE. 142		
6+50 TO 12+50	1	6
12+50 TO 18+50		3
<b>TOTALS</b>	<b>20</b>	<b>64</b>

SEE ALSO SEDIMENT BASIN DETAIL (SHEET 120) FOR AGGREGATE (EROSION CONTROL) AND EARTH EXCAVATION FOR EROSION CONTROL.

SEEDING

LOCATION STA. TO STA.	SEEDING CLASS 1B	EROSION CONTROL BLANKET	SEEDING CLASS 7	TEMPORARY EROSION CONTROL SEEDING	MULCH METHOD 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE
	ACRE	SQ. YD.	ACRE	POUND	ACRE	POUND	POUND	POUND	TON
U.S. RTE. 45									
334+00 TO 340+00	0.3	44	0.5	150	0.8	56	36	36	0.6
340+00 TO 346+00	0.7	133	1.1	330	1.8	128	84	84	1.4
346+00 TO 352+00	0.6	133	1.2	360	1.8	120	72	72	1.2
352+00 TO 358+00	0.7	133	1.3	390	2.0	136	84	84	1.4
358+00 TO 364+00	0.9	133	1.5	450	2.4	168	108	108	1.8
364+00 TO 370+00	0.9	111	1.3	390	2.2	160	108	108	1.8
370+00 TO 376+00	1.0	142	1.5	450	2.5	180	120	120	2
376+00 TO 382+00	0.7	105	1.1	330	1.8	128	84	84	1.4
382+00 TO 386+00	0.5	92	0.7	210	1.2	88	60	60	1
386+00 TO 392+00	0.7	101	1.1	330	1.8	128	84	84	1.4
392+00 TO 396+89.14	0.3	85	0.5	150	0.8	56	36	36	0.6
RTE 142									
6+50 TO 12+50	0.5	133	0.6	180	1.1	84	60	60	1
12+50 TO 18+50	0.3	133	0.4	120	0.7	52	36	36	0.6
<b>TOTALS</b>	<b>8.1</b>	<b>1478</b>	<b>12.8</b>	<b>3840</b>	<b>20.9</b>	<b>1484</b>	<b>972</b>	<b>972</b>	<b>16.2</b>

STORM SEWER REMOVAL

LOCATION	OFFSET		STORM SEWER REMOVAL 12" FOOT	STORM SEWER REMOVAL 24" FOOT
	LEFT FEET	RIGHT FEET		
U.S. RTE. 45				
372+82 LT TO 374+35 LT	48		153	
374+35 LT TO 375+06 LT	42		71	
375+06 LT TO 375+88 LT	32		82	
375+37 RT TO 375+87 RT		35		50
ILL. RTE. 142				
6+68 LT TO 12+40 LT	28			572
14+95 LT TO 18+05 LT	28		310	
12+81 RT TO 14+00 RT			119	
<b>TOTALS</b>			<b>735</b>	<b>622</b>

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DESIGNER: JEG

### INLETS & MANHOLES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	23
STA. 31-1-2, 31B		TO STA. 31-1-2, 31B		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LOCATION STATION	INLETS, SPECIAL TYPE 3, 6'	INLETS, TYPE A, TYPE 8 GRATE	INLETS, TYPE B, TYPE 8 GRATE	INLETS TYPE A, TYPE 20 FRAME AND GRATE	MANHOLES TYPE A, 4' DIA TIF-CL	MANHOLES TYPE A, 4' DIA GRATE TYPE 8	MANHOLES TYPE A, 5' DIA TIF-CL	TRENCH FRAMES & GRATES FOOT
	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FOOT
US. RTE. 45 - LT STA.								
340+00.00					1			
342+00.00	1							
343+20.00	1							
343+99.00	1							
344+83.00	1							
345+66.00	1							
348+21.00	1							
349+28.00	1							
351+00.00	1							
352+09.00							1	
352+20.00		1						
352+30.00	1							
353+50.00	1			1				
355+00.00	1			1				
356+50.00	1							
357+20.00	1							
358+00.00	1							
359+00.00	1							
360+00.00	1			1				
361+00.00	1							
362+00.00	1							
363+00.00	1							
364+40.00	1			1				
365+80.00	1							
368+85.00	1							
370+00.00	1							
371+09.00	1							
371+80.00	1							
372+73.00	1							
374+30.00	1							
375+31.00	1				1			
375+50.00	1							
375+70.00	1			1				
376+53.00	1							
377+36.00	1							
378+45.00	1							
378+60.00	1							
380+08.00	1							
380+23.00	1							
381+20.00	1							
382+24.00	1							
382+67.00				1	1			
383+05.00	1							32
383+37.00	1							
385+25.00	1							
386+42.00	1							
387+19.00	1							
387+77.00	1							
389+00.00	1							
389+95.00	1							
391+00.00	1							
392+20.00	1							
392+90.00	1							
394+03.00	1							
395+31.00	1							
US. RTE. 45 - RT STA.								
339+00.00	1							
339+60.00	1							
340+20.00	1							
340+73.00	1							
341+50.00	1							
342+70.00	1							
343+99.00	1							
345+31.00	1							
348+18.00	1							
349+68.00	1							
351+30.00	1							
352+41.00	1							
353+50.00	1							
355+00.00	1							
356+50.00	1							
357+20.00	1							
358+00.00	1							
359+00.00	1							
360+00.00	1							
361+00.00	1							
362+00.00	1							
363+00.00	1							
364+50.00	1							
366+00.00	1							
368+85.00	1							
370+00.00	1							
371+00.00	1							
371+80.00	1							
372+80.00	1							
374+30.00	1							
375+70.00	1							
376+55.00	1							
376+90.00	1							
377+02.00	1							
377+87.00	1							
378+58.00	1							
380+25.00	1							
SUB-TOTALS	80	19	11	1	4	0	1	32

### INLETS & MANHOLES (CONT'D)

LOCATION STATION	INLETS, SPECIAL TYPE 3, 6'	INLETS, TYPE A, TYPE 8 GRATE	INLETS, TYPE B, TYPE 8 GRATE	INLETS TYPE A, TYPE 20 FRAME AND GRATE	MANHOLES TYPE A, 4' DIA TIF-CL	MANHOLES TYPE A, 4' DIA GRATE TYPE 8	MANHOLES TYPE A, 5' DIA TIF-CL	TRENCH FRAMES & GRATES FOOT
	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FOOT
381+38.00	1							
382+16.00	1							
382+84.00	1							
382+86.00	1							
383+50.00	1							
383+53.00	1							
385+30.00	1							
385+31.00	1							
386+01.00	1							
387+00.00	1							
387+74.00	1							
387+97.00	1							
389+97.00	1							
391+00.00	1							
392+20.00	1							
392+90.00	1							
393+34.00	1							
393+65.00	1							
393+77.00	1							
395+31.00	1							
ILL. RTE. 142 - LT. STA.								
8+37.00	1							
10+32.00	1							
12+09.00	1							
12+16.00	1							
13+20.00	1							
13+42.00	1							
15+10.00	1							
16+00.00	1							
ILL. RTE. 142 - RT. STA.								
10+00.00	1							
11+30.00	1							
13+99.00	1							
SUB-TOTALS	24	7	1	0	1	5	0	0
TOTALS	104	26	12	1	5	5	1	32

### MANHOLES ADJUSTMENT

LOCATION	MANHOLES TO BE ADJUSTED EACH
US. RTE. 45-LT STA	
347+77.00	1
365+29.00	1
367+27.00	1
369+80.00	1
373+22.00	1
376+70.00	1
378+49.00	1
393+97.00	1
US. RTE. 45-RT STA	
340+36.00	1
343+86.00	1
347+77.00	1
350+80.00	1
354+53.00	1
358+37.00	1
361+50.00	1
364+80.00	1
385+36.00	1
390+90.00	1
393+85.00	1
TOTALS	19

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

RIPRAP

LOCATION STATION	STONE RIPRAP CLASS A4 SQ. YD.	FILTER FABRIC FOR USE WITH RIPRAP SQ. YD.
U.S. RTE. 45		
365+29 LT TO 366+37 LT (DRAINAGE DITCH)	450	450
TOTALS	450	450

NOTE: FOR ADDITIONAL RIPRAP QUANTITIES SEE CULVERT PLAN, SHEET 98

INLETS & MANHOLES REMOVAL

LOCATION STATION	REMOVING MANHOLES	REMOVING INLETS
	EACH	EACH
U.S. RTE. 45-LT STA		
345+57.00	1	
350+50.00	1	
351+95.00	1	
374+33.00		1
375+06.00		1
375+87.00		1
377+64.00		1
379+35.00		1
380+63.00		1
381+11.00		1
382+84.00		1
384+11.00		1
385+67.00		1
386+99.00		2
388+02.00		1
388+84.00		1
388+92.00	1	
391+88.00		1
395+31.00		1
U.S. RTE. 45-RT STA		
375+87.00		1
377+23.00		1
377+90.00		1
379+89.00		1
379+90.00		1
382+11.00		1
382+87.00		1
382+89.00		1
383+51.00		1
385+99.00		1
387+91.00	1	
388+01.00		1
388+99.00		1
389+14.00	1	
390+88.00	1	
391+40.00		1
393+39.00		1
393+65.00	1	
395+31.00		1
ILL. RTE. 142/STATE ST.-LT STA		
8+37.00		1
10+32.00		1
14+96.00		1
16+00.00		1
ILL. RTE. 142/STATE ST.-RT STA		
13+99.00		1
TOTALS	8	36

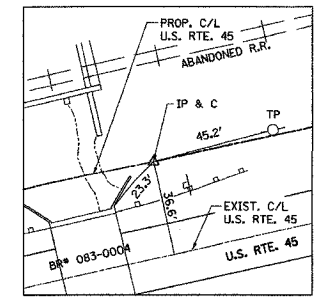
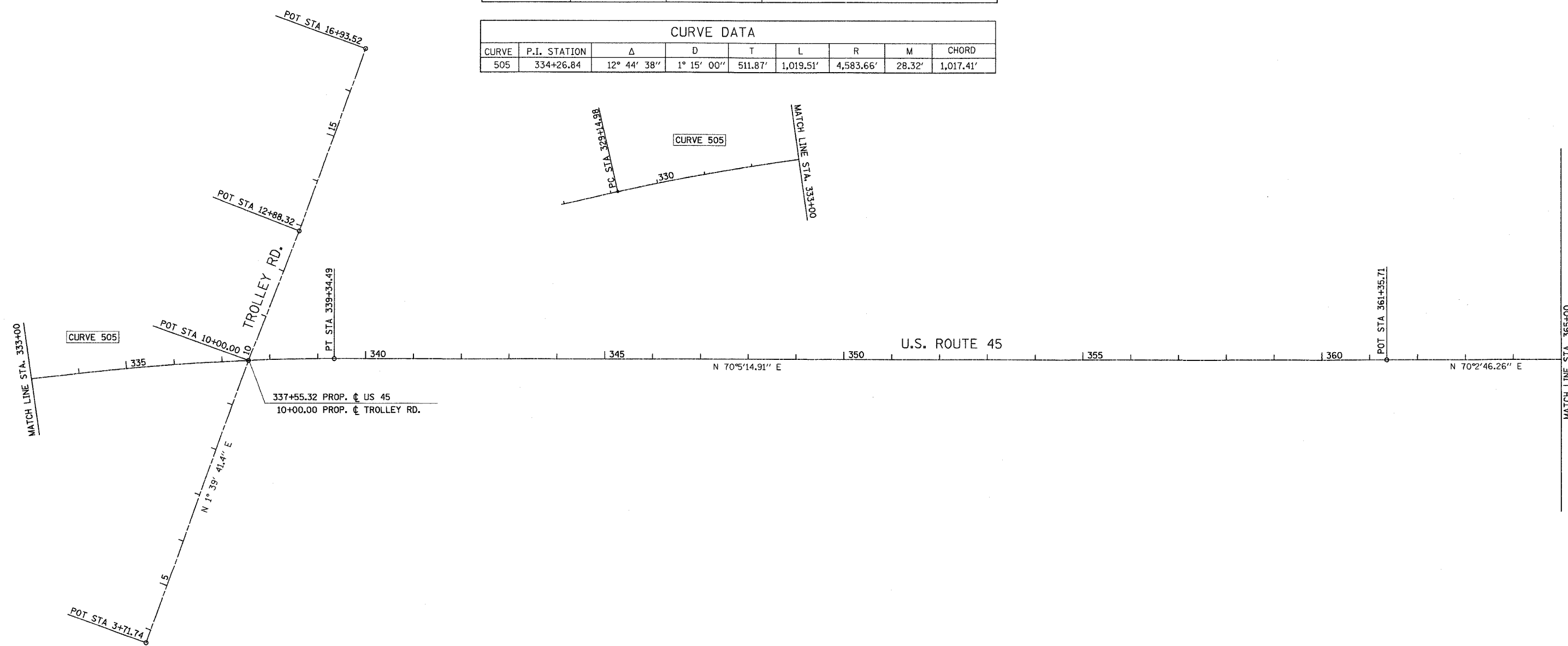
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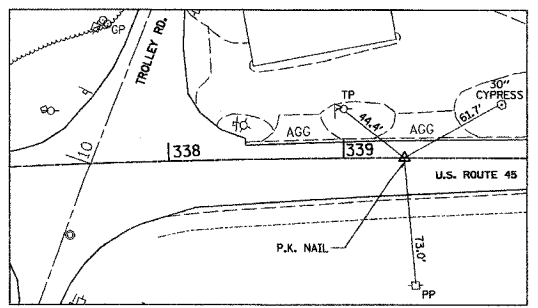
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

COORDINATE DATA			
STATION	NORTHING	EASTING	REMARKS
334+26.84	413,447.36	948,307.55	P.I. CURVE 505 MAINLINE
329+14.98	413,171.16	947,876.60	P.C. CURVE 505 MAINLINE
339+34.49	413,621.70	948,788.81	P.T. CURVE 505 MAINLINE
361+35.71	414,371.40	950,858.43	P.O.T. MAINLINE

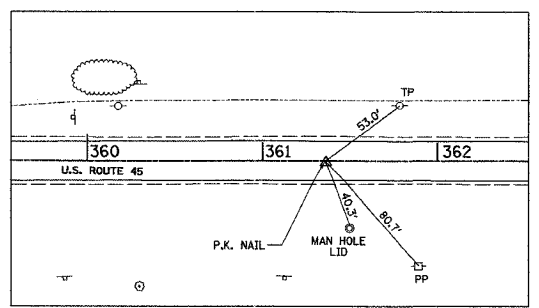
CURVE DATA								
CURVE	P.I. STATION	Δ	D	T	L	R	M	CHORD
505	334+26.84	12° 44' 38"	1° 15' 00"	511.87'	1,019.51'	4,583.66'	28.32'	1,017.41'



ALIGNMENT TIE POINT  
STA. 329+14.98 U.S. ROUTE 45



ALIGNMENT TIE POINT  
STA. 339+34.49 U.S. ROUTE 45



ALIGNMENT TIE POINT  
STA. 361+35.71 U.S. ROUTE 45

**U. S. ROUTE 45  
ALIGNMENT & TIES  
STA. 329+00.00 TO STA. 365+00.00**

1" = 100'

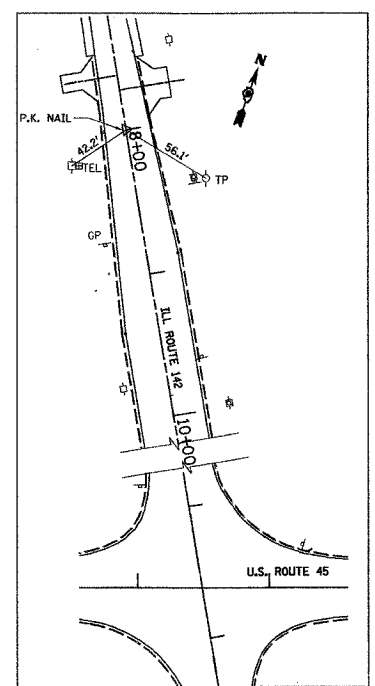
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CHECKED BY

Mr. PROJ. 12567	Mr. PROJ. 12567
Mr. ALI 386430N	Mr. ALI 386430N
Mr. DETBORD 386430N	Mr. DETBORD 386430N

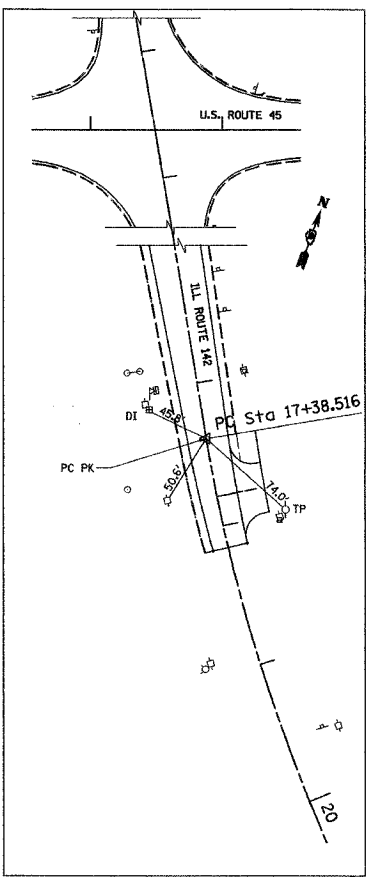
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

COORDINATE DATA			
STATION	NORTHING	EASTING	REMARKS
388+48.82	415,297.28	953,408.67	P.O.T. MAINLINE & ILL. 142
391+89.14	415,413.42	953,728.56	P.O.T. MAINLINE
396+89.14	415,584.05	954,198.54	P.O.T. MAINLINE
0+54.50	416,349.76	952,816.66	P.O.T. ILL. 142
21+97.48	414,481.98	953,867.27	P.I. CURVE 31 ILL. 142
17+38.52	414,882.00	953,642.26	P.C. CURVE 31 ILL. 142
26+13.00	414,342.70	954,304.59	P.T. CURVE 31 ILL. 142
28+76.42	414,262.76	954,555.59	P.O.T. ILL. 142

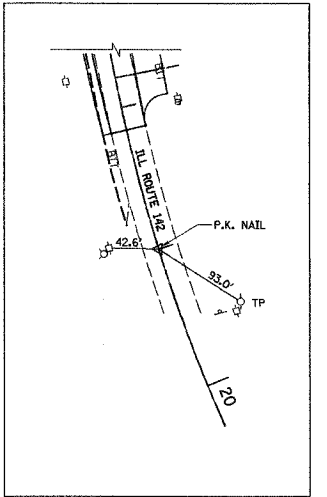
CURVE DATA											
CURVE	P.I. STATION	Δ	D	T	L	R	M	CHORD			
31	21+97.48	42° 58' 38"	4° 54' 52"	458.97'	874.48'	1,165.83'	81.04'	854.13'			



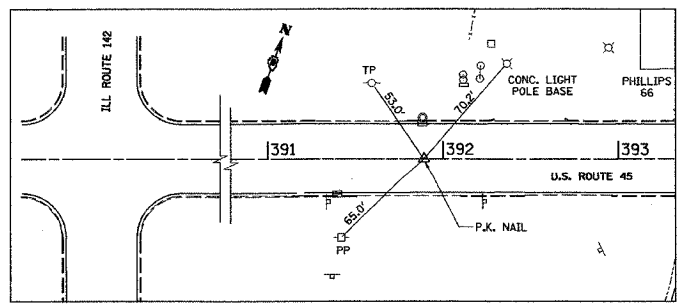
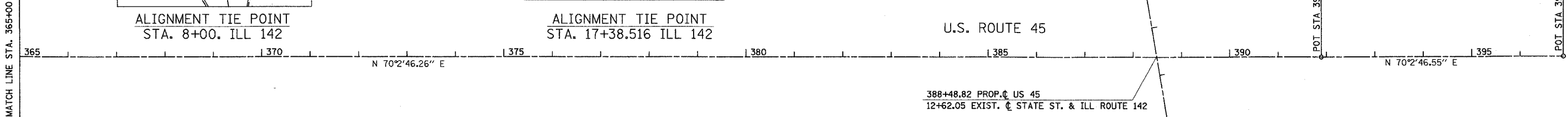
ALIGNMENT TIE POINT  
STA. 8+00. ILL 142



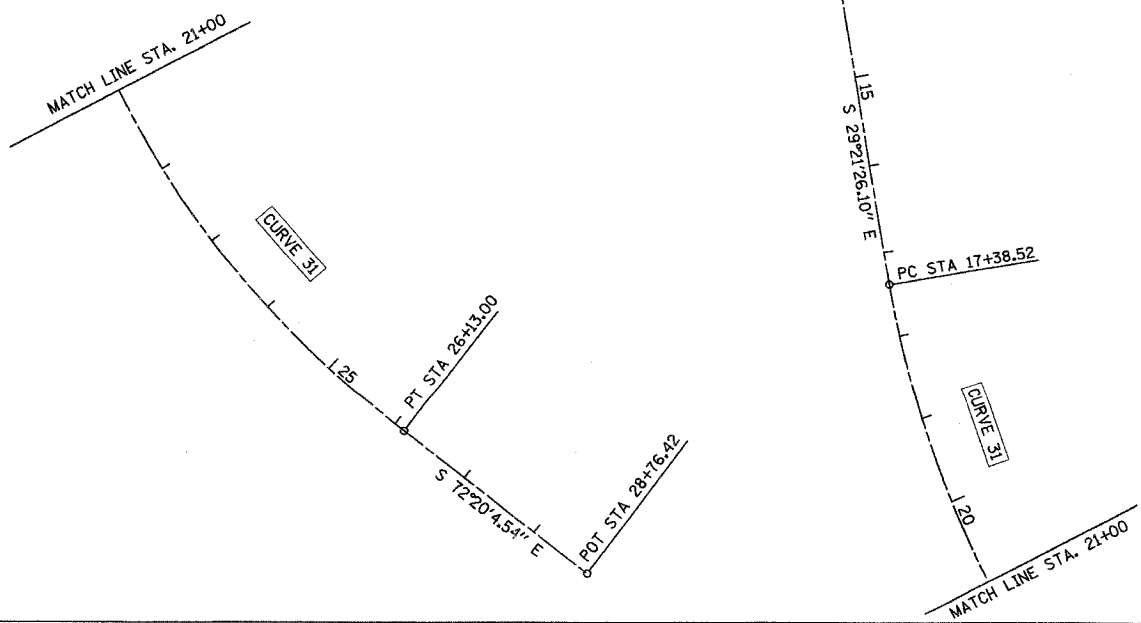
ALIGNMENT TIE POINT  
STA. 17+38.516 ILL 142



ALIGNMENT TIE POINT  
STA. 19+00 ILL 142



ALIGNMENT TIE POINT  
STA. 391+89.14 U.S. ROUTE 45



**U. S. ROUTE 45  
ALIGNMENT & TIES  
STA. 365+00.00 TO STA. 396+89.14  
INCL. ILL ROUTE 142**

1" = 100'

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PROJECT NO. 332  
SECTION 31-1-2, 31B  
COUNTY SALINE  
TOTAL SHEETS 199  
SHEET NO. 26

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

MAINTENANCE OF TRAFFIC US 45

STAGE 1A CONSTRUCTION:

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT.
2. CONSTRUCT TEMPORARY PAVEMENT ADJACENT TO EB LANES (SOUTH SIDE) AT THE PROPOSED BOX CULVERT AS SHOWN ON THE PLANS. PROVIDE TEMPORARY CONCRETE BARRIER AT THE BOX CULVERT AT STA. 365+86 AS SHOWN, FOR TRAFFIC PROTECTION.
3. REMOVE EXISTING SHOULDER AND CONSTRUCT PROPOSED CURB AND GUTTER, STORM SEWER, AND PAVEMENT ON NORTH SIDE OF EXISTING US RTE 45 AND ALONG IL RTE 142. PROVIDE ACCESS TO ALL ENTRANCES AT ALL TIMES. CONSTRUCT PROPOSED PAVEMENT TO FINISHED ELEVATION WITHOUT FINAL LIFT OF BINDER AND SURFACE COURSE.
4. CONSTRUCT TEMPORARY RAMPS ON US 45 AND IL RTE 142.

STAGE 1B CONSTRUCTION:

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT AND NEWLY BUILT PAVEMENT.
2. CONSTRUCT TEMPORARY PAVEMENT ADJACENT TO NEWLY BUILT WB LANES AT THE NEWLY BUILT BOX CULVERT AT STA 365+86 AS SHOWN ON THE PLANS. PROVIDE TEMPORARY CONCRETE BARRIER FOR TRAFFIC PROTECTION.
3. TRAFFIC WILL BE SHIFTED SLIGHTLY TO THE NORTH AT THE BOX CULVERT.
4. REMOVE TEMPORARY PAVEMENT ADJACENT TO EXISTING EB LANE AND CONSTRUCT PROPOSED BOX CULVERT, PAVEMENT WIDENING, AND CURB AND GUTTER.
5. REMOVE EXISTING SHOULDER AND CONSTRUCT PROPOSED CURB AND GUTTER, STORM SEWER, AND PAVEMENT ON SOUTH SIDE OF EXISTING US RTE 45 AND ON THE REMAINDER OF IL RTE 142. PROVIDE ACCESS TO ALL ENTRANCES AT ALL TIMES. CONSTRUCT PROPOSED PAVEMENT TO FINISHED ELEVATION WITHOUT FINAL LIFT OF BINDER AND SURFACE COURSE.
6. CONSTRUCT TEMPORARY RAMPS ON US 45 AND IL RTE 142.

GENERAL NOTES:  
STAGE 1A & 1B

1. WORK MUST NOT BEGIN UNTIL ALL SIGNS AND PAVEMENT MARKINGS THAT CONFLICT WITH STAGE 1 CONSTRUCTION HAVE BEEN REMOVED AND ALL TEMPORARY SIGNS, PAVEMENT MARKINGS, CONCRETE BARRIERS AND BARRICADES ARE IN PLACE AND APPROVED BY THE ENGINEER.
2. THE CONTRACTOR WILL PROVIDE ALL BARRIERS AND SIGNS FOR THE MAINTENANCE OF TRAFFIC UNLESS IDENTIFIED IN THE SPECIAL PROVISIONS.
3. MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON US 45 AND ON IL RTE 142 AS MUCH AS POSSIBLE.
4. WORK IN STAGE 2 WILL NOT COMMENCE UNTIL ALL WORK IN STAGE 1 IS COMPLETED.

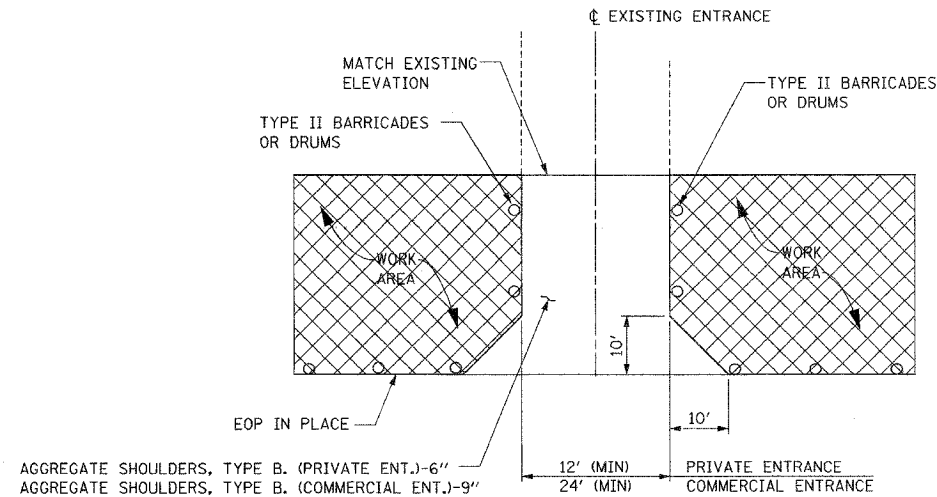
GENERAL NOTES:  
STAGE 2

1. REMOVE TEMPORARY PAVEMENT ADJACENT TO WB LANES AT THE BOX CULVERT AND CONSTRUCT PROPOSED PAVEMENT AND CURB AND GUTTER.
2. CONSTRUCT PCC PAVEMENT AT THE INTERSECTION OF US 45 AND ILL 142 AS SHOWN ON PLANS.
3. CONSTRUCT ALL REMAINING LIFTS OF BINDER COURSE USING HIGHWAY STANDARDS 701502 AND 701602.
4. THE CONTRACTOR WILL PROVIDE ALL BARRIERS AND SIGNS FOR THE MAINTENANCE OF TRAFFIC UNLESS IDENTIFIED IN THE SPECIAL PROVISIONS.
5. MAINTAIN ONE LANE OF TRAFFIC ON US 45 IN EACH DIRECTION AT ALL TIMES.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THROUGH TRAFFIC AT EXISTING INTERSECTIONS WITH US 45 AND PROVIDE ACCESS TO ALL ENTRANCES AND SIDEROADS DURING STAGE 2 CONSTRUCTION.
7. AFTER COMPLETION OF ALL ROADWAY WORK IN STAGE 2 THE TRAFFIC WILL BE REALIGNED AND STAGE 3 CONSTRUCTION WILL COMMENCE AS APPROVED BY THE ENGINEER.

MAINTENANCE OF TRAFFIC US 45

GENERAL NOTES:  
STAGE 3

1. CONSTRUCT BIT. SURFACE COURSE USING HIGHWAY STANDARDS 701502 AND 701602.
2. THE CONTRACTOR WILL PROVIDE ALL BARRIERS AND SIGNS FOR THE MAINTENANCE OF TRAFFIC UNLESS IDENTIFIED IN THE SPECIAL PROVISIONS.
3. MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON US 45 AT ALL TIMES.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ACCESS TO ALL ENTRANCES DURING STAGE 3 CONSTRUCTION.
5. AFTER COMPLETION OF ALL ROADWAY WORK IN STAGE 3 PERMANENT PAVEMENT MARKING WILL BE APPLIED.



TEMPORARY ACCESS DETAIL

NTS

MOT PAY ITEMS

DESCRIPTION	UNIT	QUANTITY
TRAFFIC CONTROL AND PROTECTION STANDARD 701201	L SUM	1
TRAFFIC CONTROL AND PROTECTION STANDARD 701306	L SUM	1
TRAFFIC CONTROL AND PROTECTION STANDARD 701326	L SUM	1
TRAFFIC CONTROL AND PROTECTION STANDARD 701501	L SUM	1
TRAFFIC CONTROL AND PROTECTION STANDARD 701502	L SUM	1
TRAFFIC CONTROL AND PROTECTION STANDARD 701602	L SUM	1
TRAFFIC CONTROL AND PROTECTION STANDARD 701701	L SUM	1
SHORT-TERM PAVEMENT MARKING	FOOT	4500
TEMPORARY PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	1459
TEMPORARY PAVEMENT MARKING-LINE 4"	FOOT	62283
TEMPORARY PAVEMENT MARKING-LINE 6"	FOOT	1315
TEMPORARY PAVEMENT MARKING-LINE 8"	FOOT	511
TEMPORARY PAVEMENT MARKING-LINE 12"	FOOT	619
TEMPORARY PAVEMENT MARKING-LINE 24"	FOOT	188
PAVEMENT MARKING TAPE, TYPE 1 4"	FOOT	9350
WORK ZONE PAVEMENT MARKING REMOVAL	FOOT	13900
TEMPORARY CONCRETE BARRIER	FOOT	220
RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	110
PAVEMENT MARKING REMOVAL	FOOT	700
TEMPORARY PAVEMENT	SQ YD	1561
AGGREGATE SHOULDERS, TYPE B	TON	2000
IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, TEST LEVEL 3)	EACH	4
IMPACT ATTENUATOR, RELOCATE (NON-REDIRECTIVE, TEST LEVEL 3)	EACH	2

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**U.S. ROUTE 45**  
**MAINTENANCE OF TRAFFIC**  
**GENERAL NOTES**  
**TEMPORARY ACCESS DETAIL**

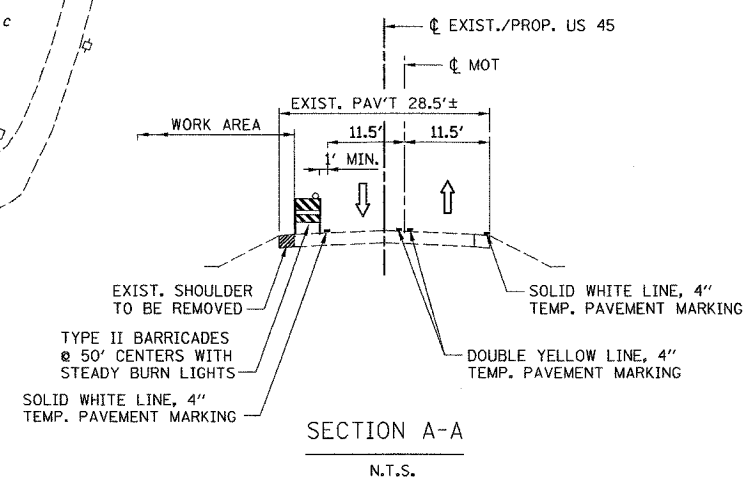
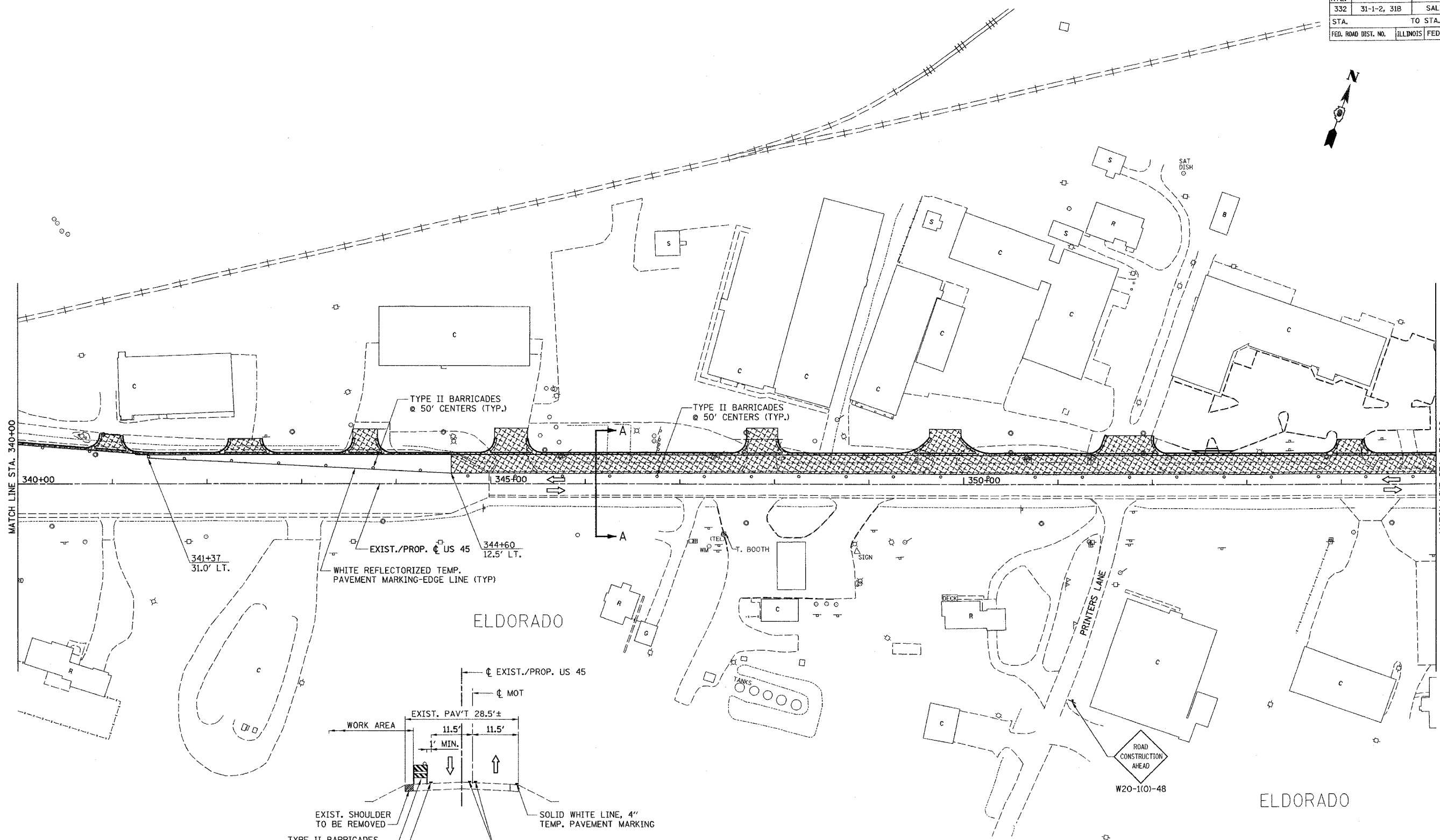
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	29
STA. 340+00		TO STA. 355+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND:**

- PERMANENT CONSTRUCTION
- TEMPORARY PAVEMENT
- BARRICADE, TYPE III
- BARRICADE, TYPE II

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**U.S. ROUTE 45**  
**MAINTENANCE OF TRAFFIC**  
**STAGE 1A**  
**STA. 340+00 TO STA. 355+00**

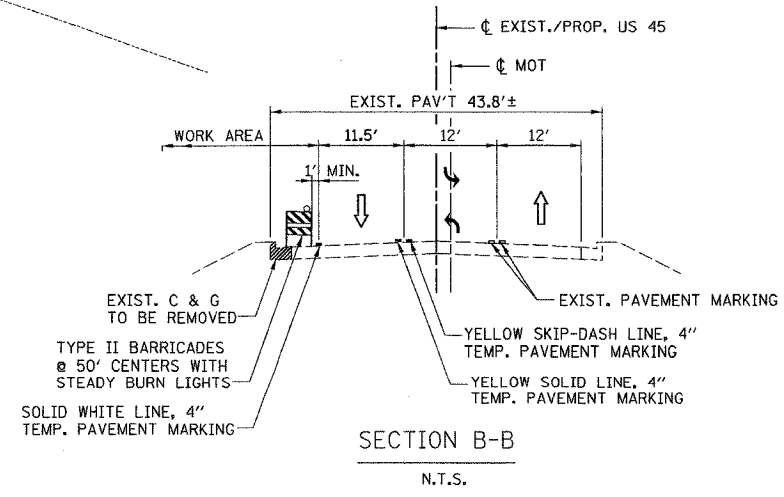
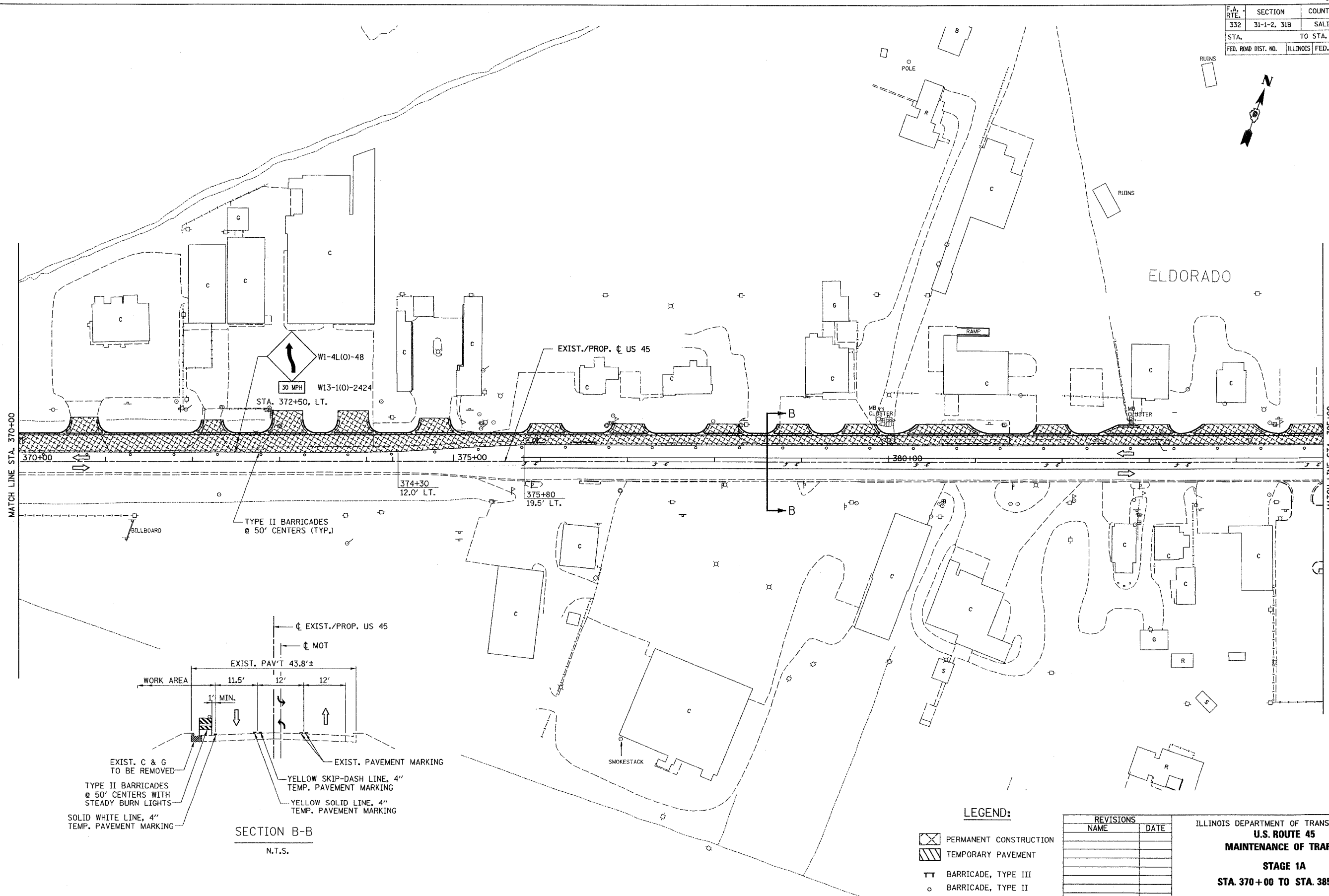
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND:**

- PERMANENT CONSTRUCTION
- TEMPORARY PAVEMENT
- BARRICADE, TYPE III
- BARRICADE, TYPE II

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**U.S. ROUTE 45**  
**MAINTENANCE OF TRAFFIC**  
**STAGE 1A**  
**STA. 370+00 TO STA. 385+00**

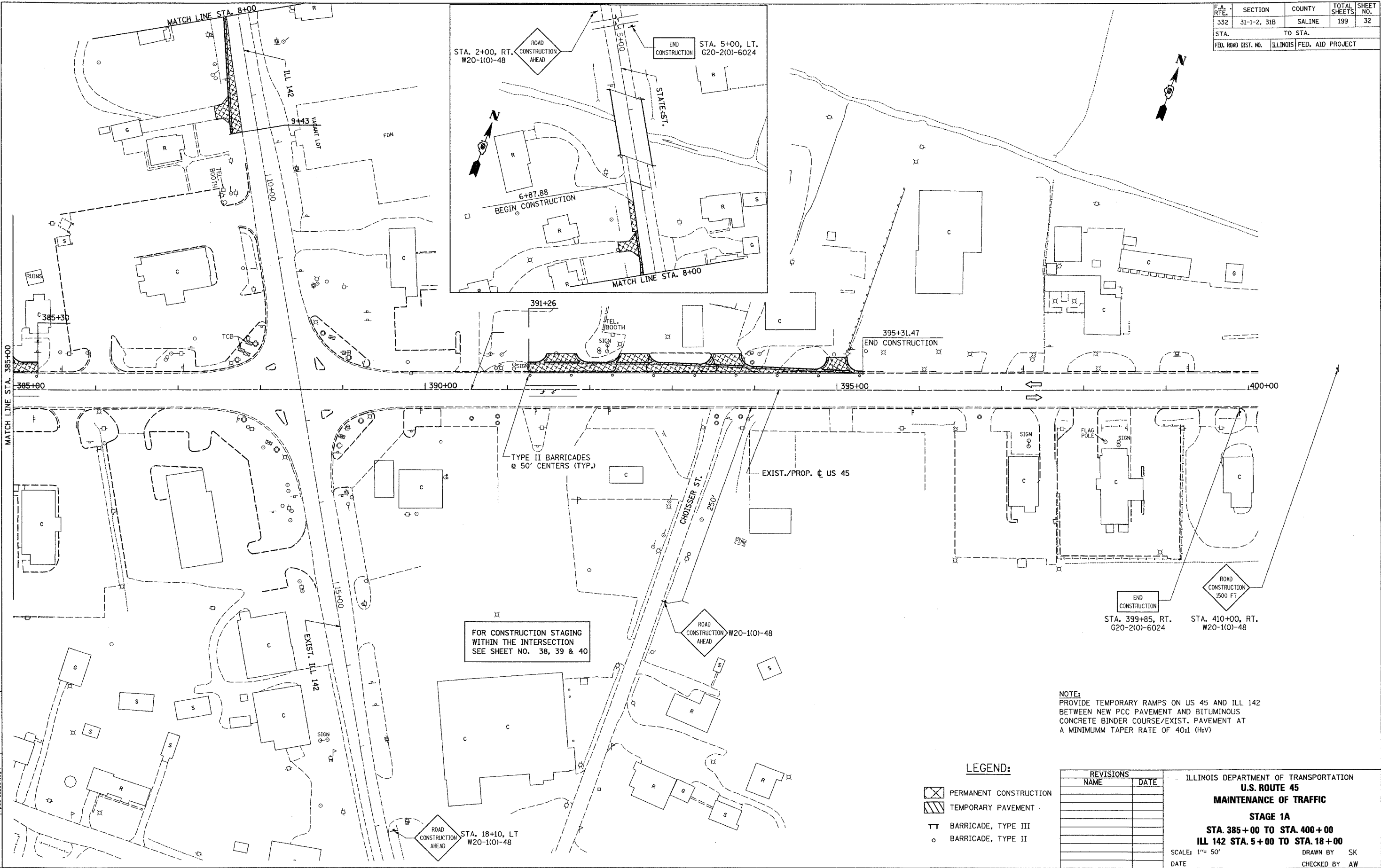
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	32
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



M/F PROJECTS/PROJ-3556 /ROADWAY/COMMON  
 Active File: 3556.dgn  
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 Date: 11/14/00  
 User: jk  
 Plot: 11/14/00 10:00 AM

**NOTE:**  
 PROVIDE TEMPORARY RAMPS ON US 45 AND ILL 142  
 BETWEEN NEW PCC PAVEMENT AND BITUMINOUS  
 CONCRETE BINDER COURSE/EXIST. PAVEMENT AT  
 A MINIMUM TAPER RATE OF 40:1 (H:V)

**LEGEND:**

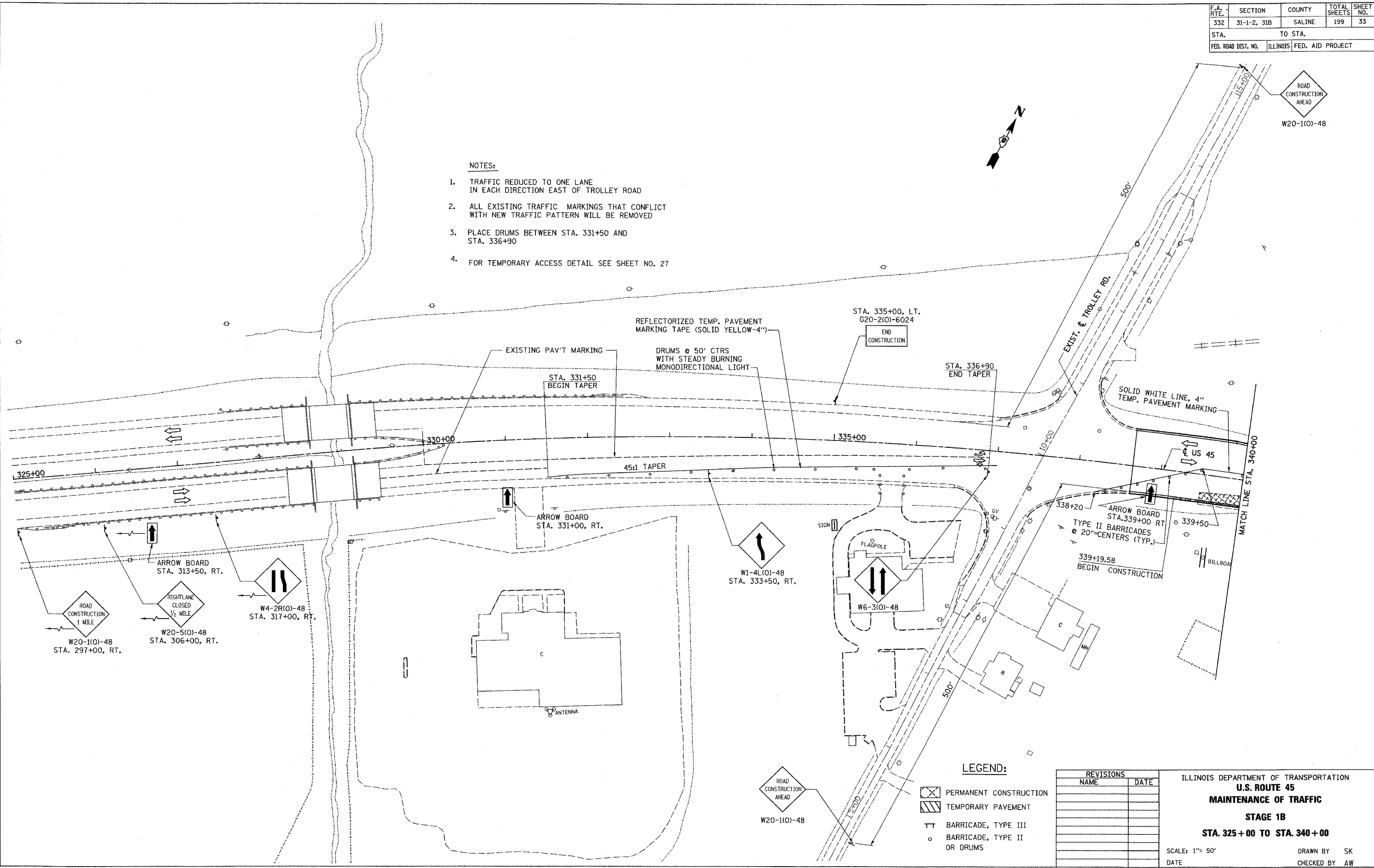
- PERMANENT CONSTRUCTION
- TEMPORARY PAVEMENT
- BARRICADE, TYPE III
- BARRICADE, TYPE II

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**U.S. ROUTE 45**  
**MAINTENANCE OF TRAFFIC**  
**STAGE 1A**  
**STA. 385+00 TO STA. 400+00**  
**ILL 142 STA. 5+00 TO STA. 18+00**  
 SCALE: 1"= 50'  
 DATE \_\_\_\_\_ DRAWN BY SK  
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- NOTES:**
1. TRAFFIC REDUCED TO ONE LANE IN EACH DIRECTION EAST OF TROLLEY ROAD
  2. ALL EXISTING TRAFFIC MARKINGS THAT CONFLICT WITH NEW TRAFFIC PATTERN WILL BE REMOVED
  3. PLACE DRUMS BETWEEN STA. 331+50 AND STA. 336+90
  4. FOR TEMPORARY ACCESS DETAIL SEE SHEET NO. 27



**LEGEND:**

- PERMANENT CONSTRUCTION
- TEMPORARY PAVEMENT
- BARRICADE, TYPE III
- BARRICADE, TYPE II OR DRUMS

REVISIONS	
NAME	DATE

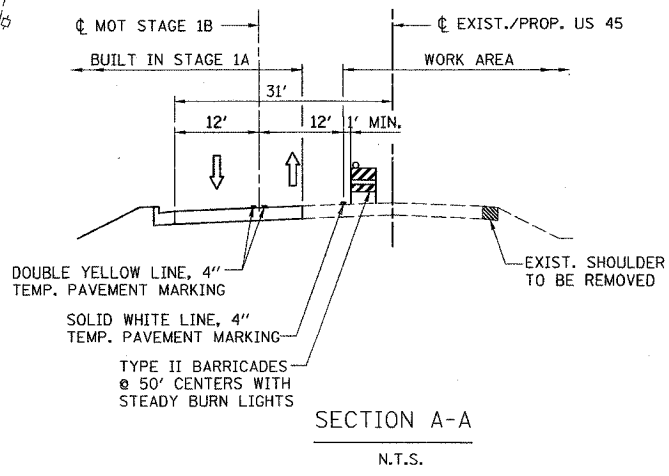
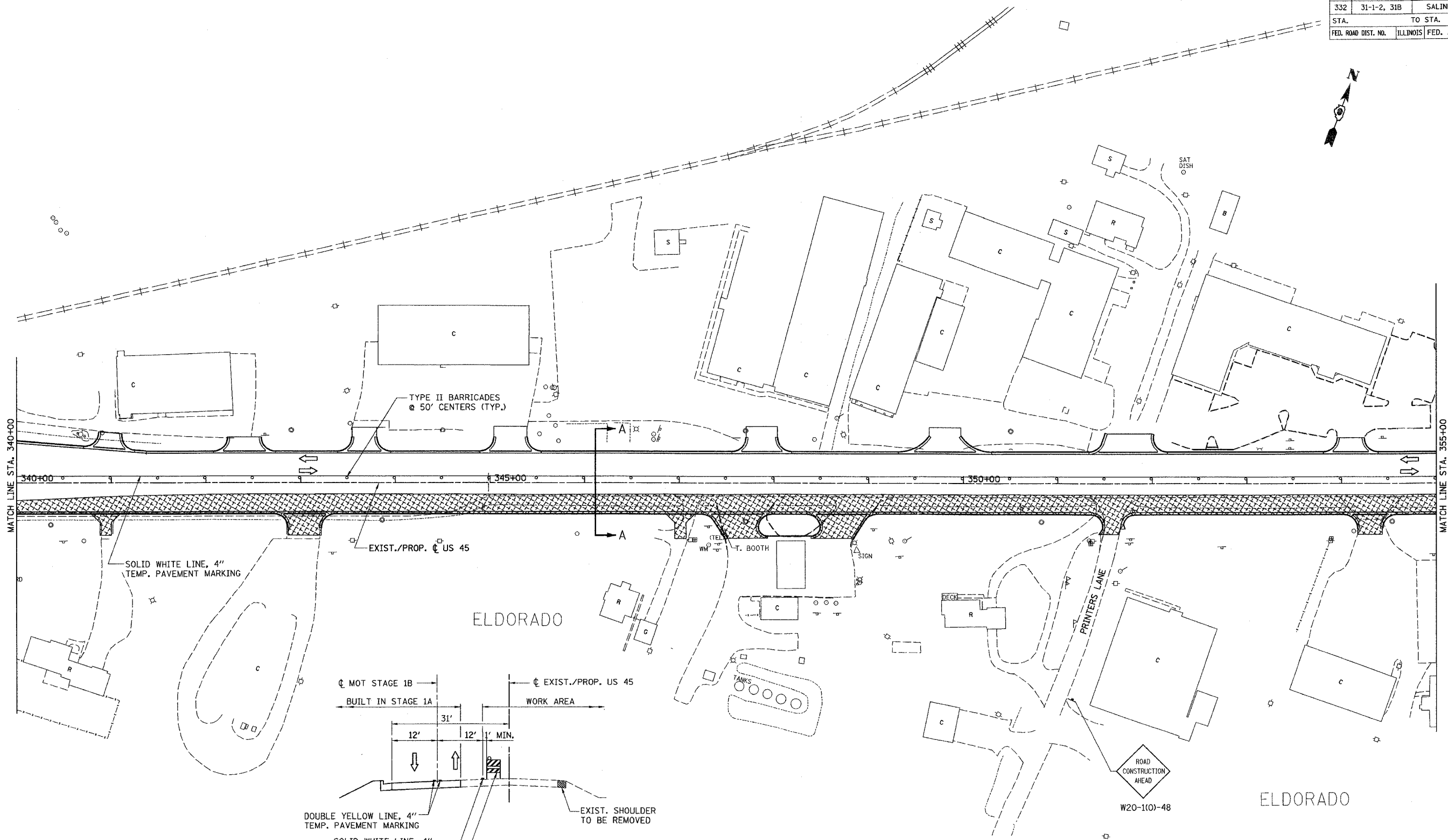
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**U.S. ROUTE 45**  
**MAINTENANCE OF TRAFFIC**  
**STAGE 1B**  
**STA. 325 + 00 TO STA. 340 + 00**

SCALE: 1" = 50'  
 DATE

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	34
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND:

- PERMANENT CONSTRUCTION
- TEMPORARY PAVEMENT
- BARRICADE, TYPE III
- BARRICADE, TYPE II

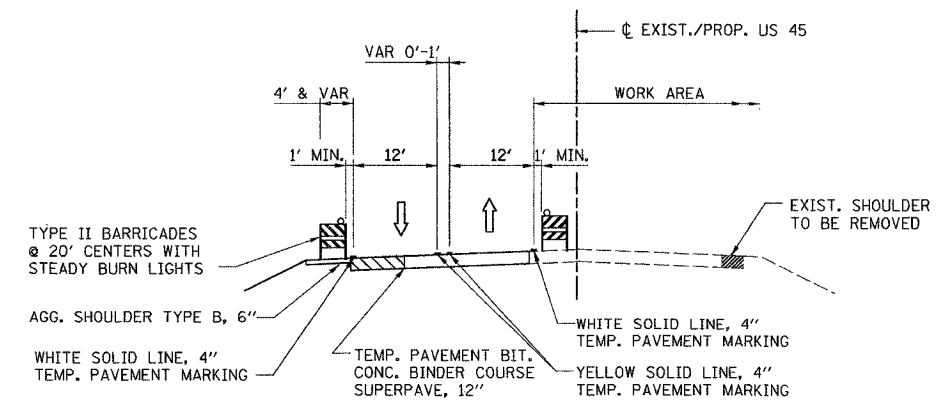
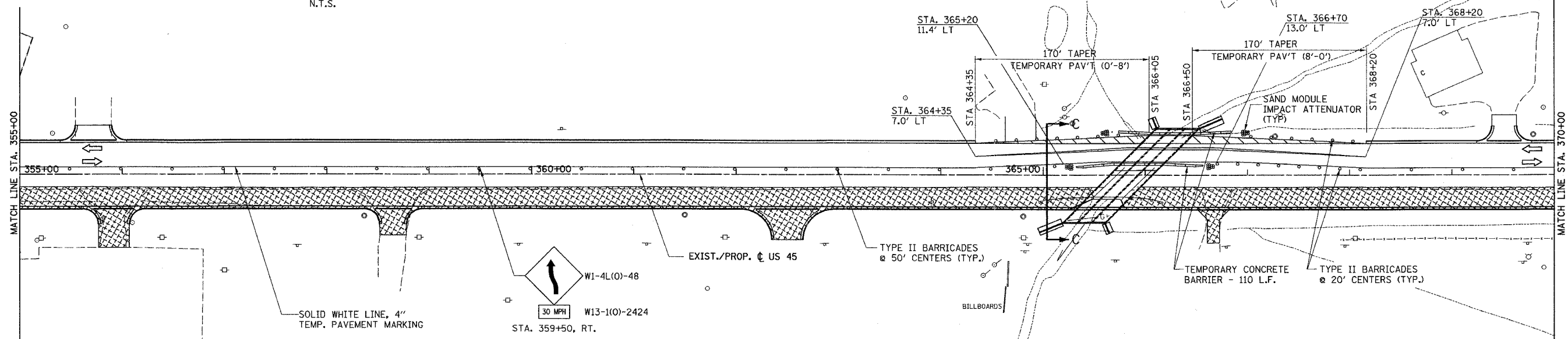
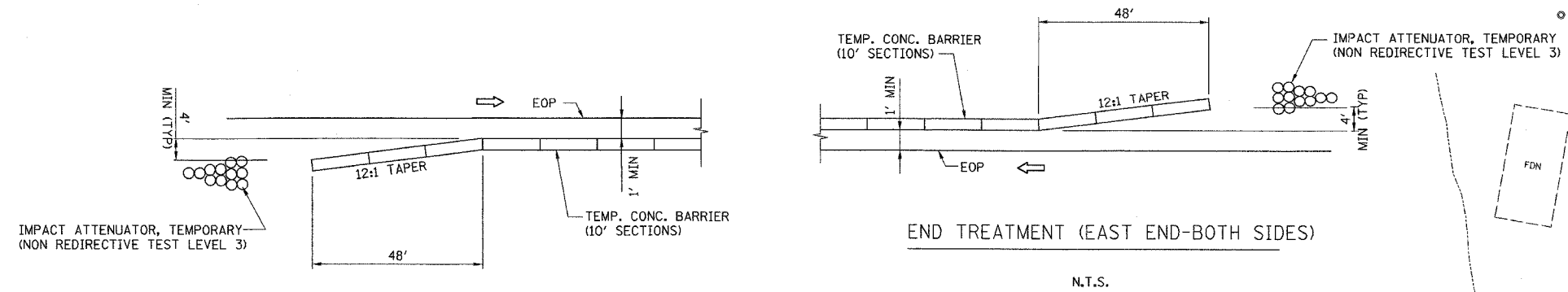
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**U.S. ROUTE 45**  
**MAINTENANCE OF TRAFFIC**  
**STAGE 1B**  
**STA. 340+00 TO STA. 355+00**

SCALE: 1" = 50'  
 DATE: \_\_\_\_\_ DRAWN BY: SK  
 CHECKED BY: AW

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 PROJECT: PROJECT/ROADWAY/CONTRACT NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	35
STA. TO STA.				
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT



**NOTE:**  
1. FOR TYPICAL SECTION AT PROPOSED STRUCTURE SEE STRUCTURAL DRAWINGS.

**LEGEND:**

- PERMANENT CONSTRUCTION
- TEMPORARY PAVEMENT
- BARRICADE, TYPE III
- BARRICADE, TYPE II

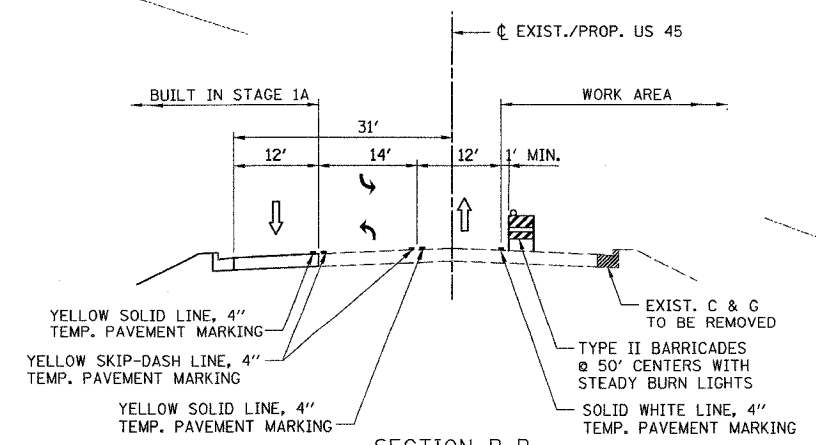
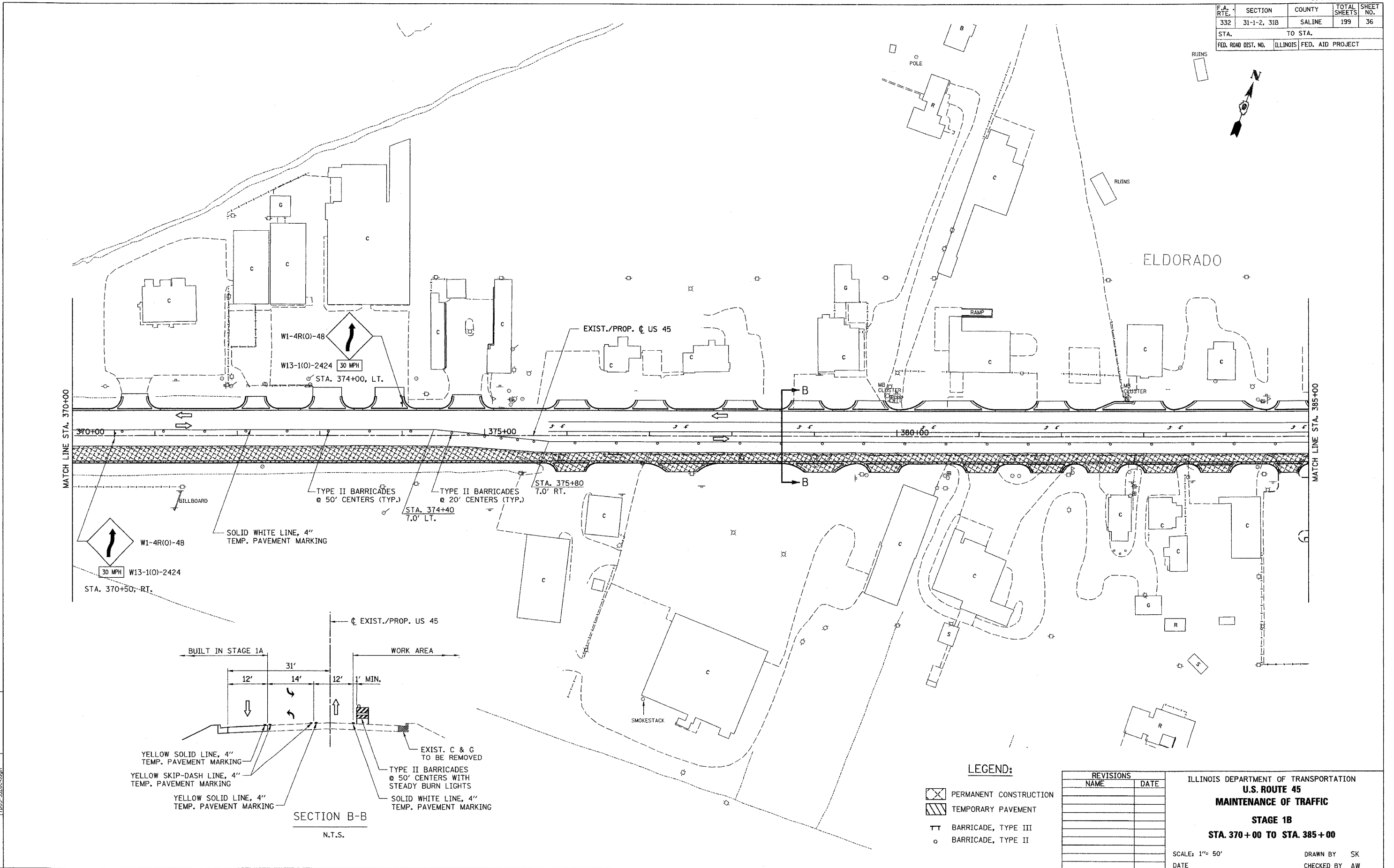
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**U.S. ROUTE 45**  
**MAINTENANCE OF TRAFFIC**  
**STAGE 1B**  
**STA. 355+00 TO STA. 370+00**

SCALE: 1" = 50'  
DATE: \_\_\_\_\_ DRAWN BY: SK  
CHECKED BY: AW

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	36
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- LEGEND:**
- PERMANENT CONSTRUCTION
  - TEMPORARY PAVEMENT
  - BARRICADE, TYPE III
  - BARRICADE, TYPE II

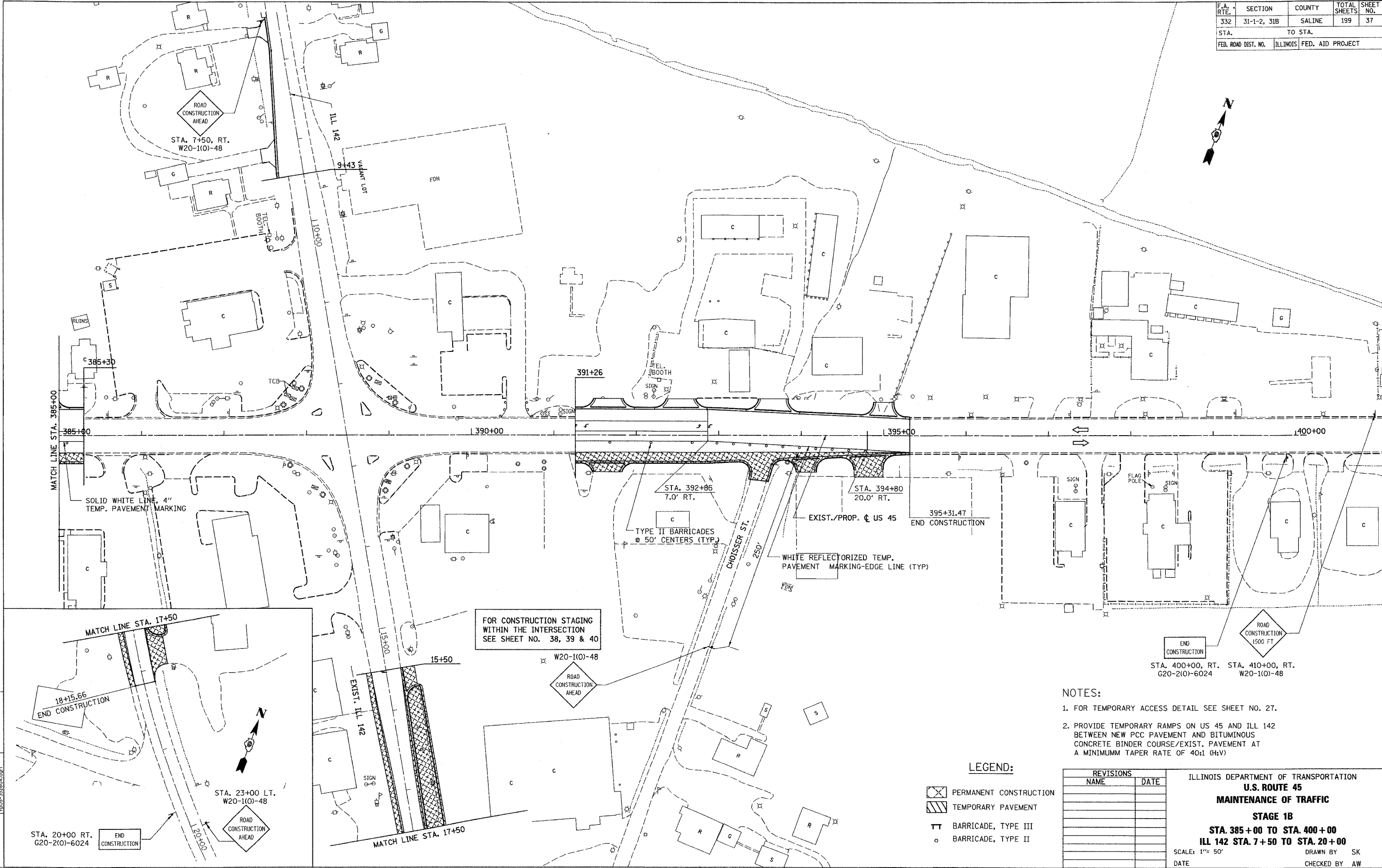
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**U.S. ROUTE 45**  
**MAINTENANCE OF TRAFFIC**  
**STAGE 1B**  
**STA. 370+00 TO STA. 385+00**

SCALE: 1" = 50'  
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	37
STA. 385+00		TO STA. 400+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



FOR CONSTRUCTION STAGING WITHIN THE INTERSECTION SEE SHEET NO. 38, 39 & 40

- NOTES:**
- FOR TEMPORARY ACCESS DETAIL SEE SHEET NO. 27.
  - PROVIDE TEMPORARY RAMPS ON US 45 AND ILL 142 BETWEEN NEW PCC PAVEMENT AND BITUMINOUS CONCRETE BINDER COURSE/EXIST. PAVEMENT AT A MINIMUM TAPER RATE OF 40:1 (H:V)

**LEGEND:**

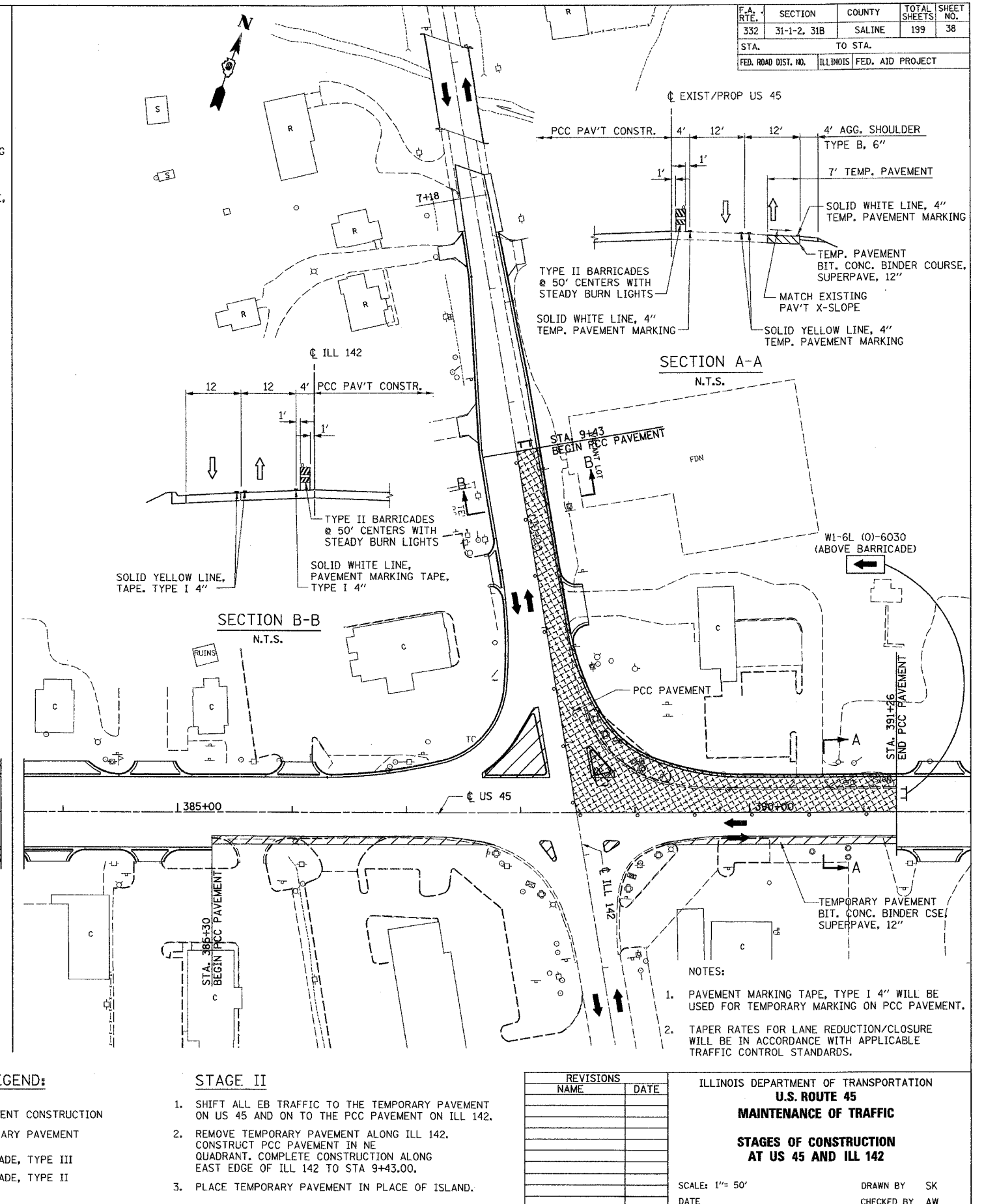
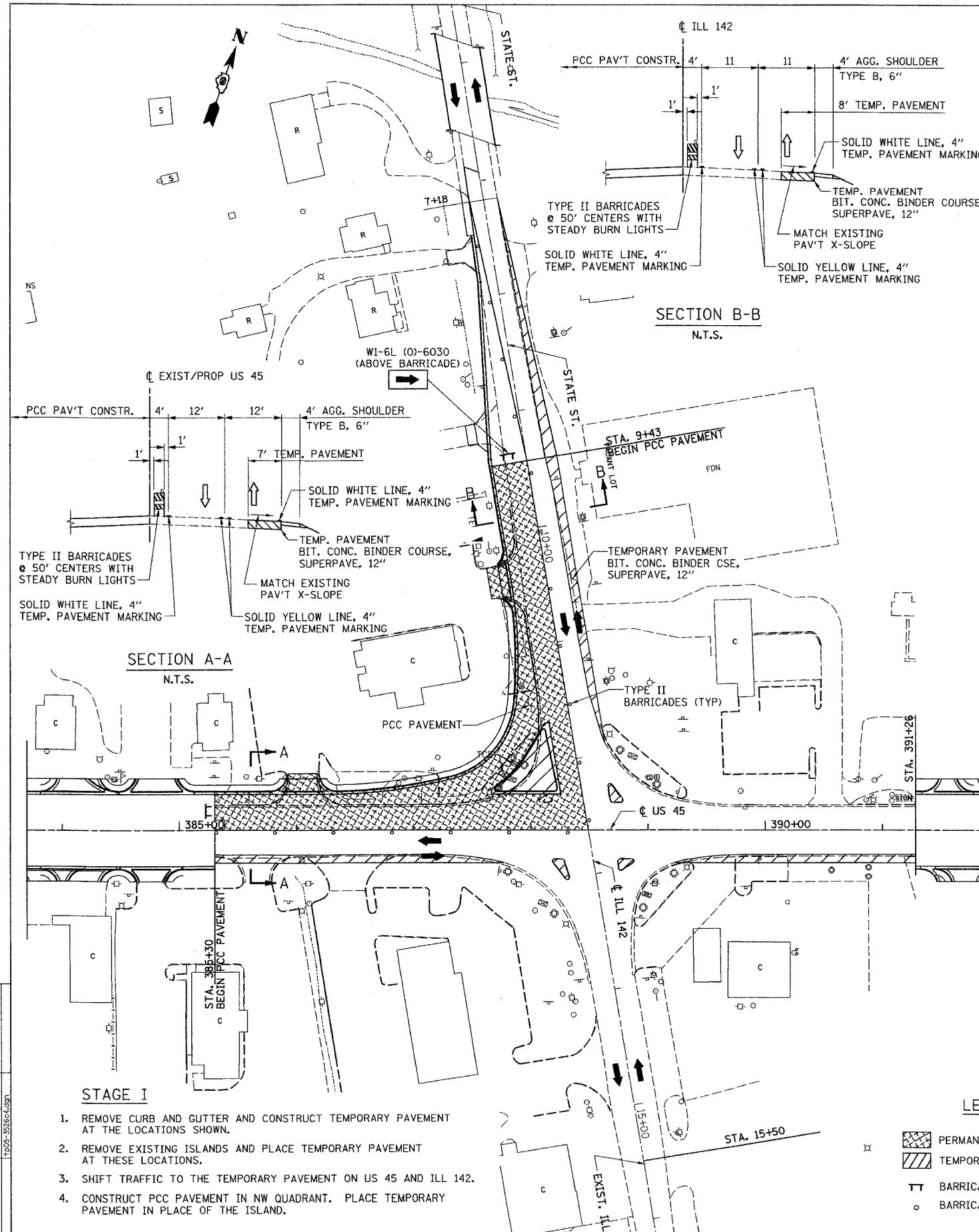
- PERMANENT CONSTRUCTION
- TEMPORARY PAVEMENT
- BARRICADE, TYPE III
- BARRICADE, TYPE II

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**U.S. ROUTE 45**  
**MAINTENANCE OF TRAFFIC**  
**STAGE 1B**  
**STA. 385+00 TO STA. 400+00**  
**ILL 142 STA. 7+50 TO STA. 20+00**  
 SCALE: 1" = 50'  
 DATE \_\_\_\_\_ DRAWN BY SK  
 CHECKED BY AW

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROJECT NO.	332
SECTION	31-1-2, 31B
SHEET NO.	38
DATE	
BY	
CHECKED BY	
IN CHARGE	

- STAGE I**
1. REMOVE CURB AND GUTTER AND CONSTRUCT TEMPORARY PAVEMENT AT THE LOCATIONS SHOWN.
  2. REMOVE EXISTING ISLANDS AND PLACE TEMPORARY PAVEMENT AT THESE LOCATIONS.
  3. SHIFT TRAFFIC TO THE TEMPORARY PAVEMENT ON US 45 AND ILL 142.
  4. CONSTRUCT PCC PAVEMENT IN NW QUADRANT. PLACE TEMPORARY PAVEMENT IN PLACE OF THE ISLAND.

- LEGEND:**
- PERMANENT CONSTRUCTION
  - TEMPORARY PAVEMENT
  - BARRICADE, TYPE III
  - BARRICADE, TYPE II

- STAGE II**
1. SHIFT ALL EB TRAFFIC TO THE TEMPORARY PAVEMENT ON US 45 AND ON TO THE PCC PAVEMENT ON ILL 142.
  2. REMOVE TEMPORARY PAVEMENT ALONG ILL 142. CONSTRUCT PCC PAVEMENT IN NE QUADRANT. COMPLETE CONSTRUCTION ALONG EAST EDGE OF ILL 142 TO STA 9+43.00.
  3. PLACE TEMPORARY PAVEMENT IN PLACE OF ISLAND.

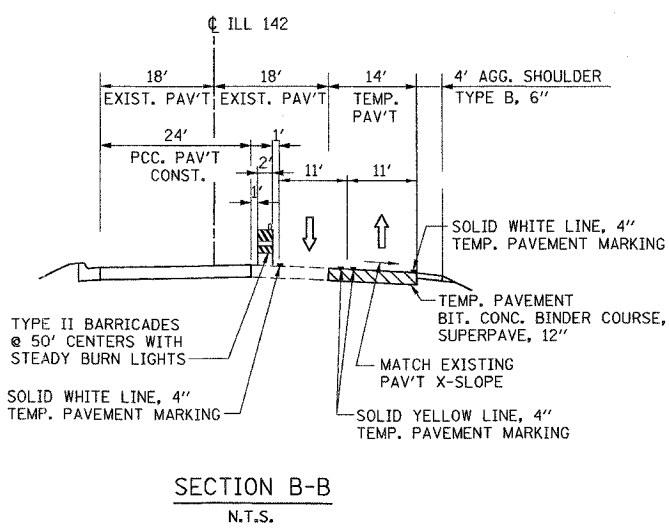
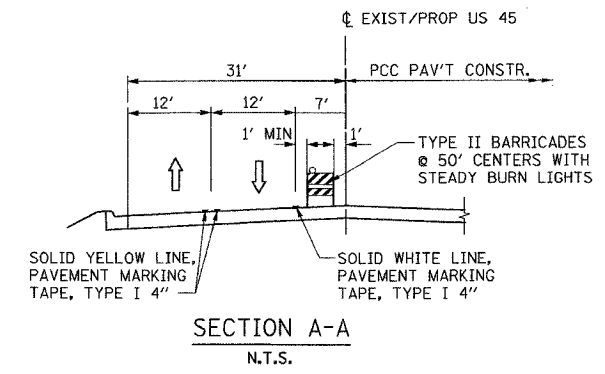
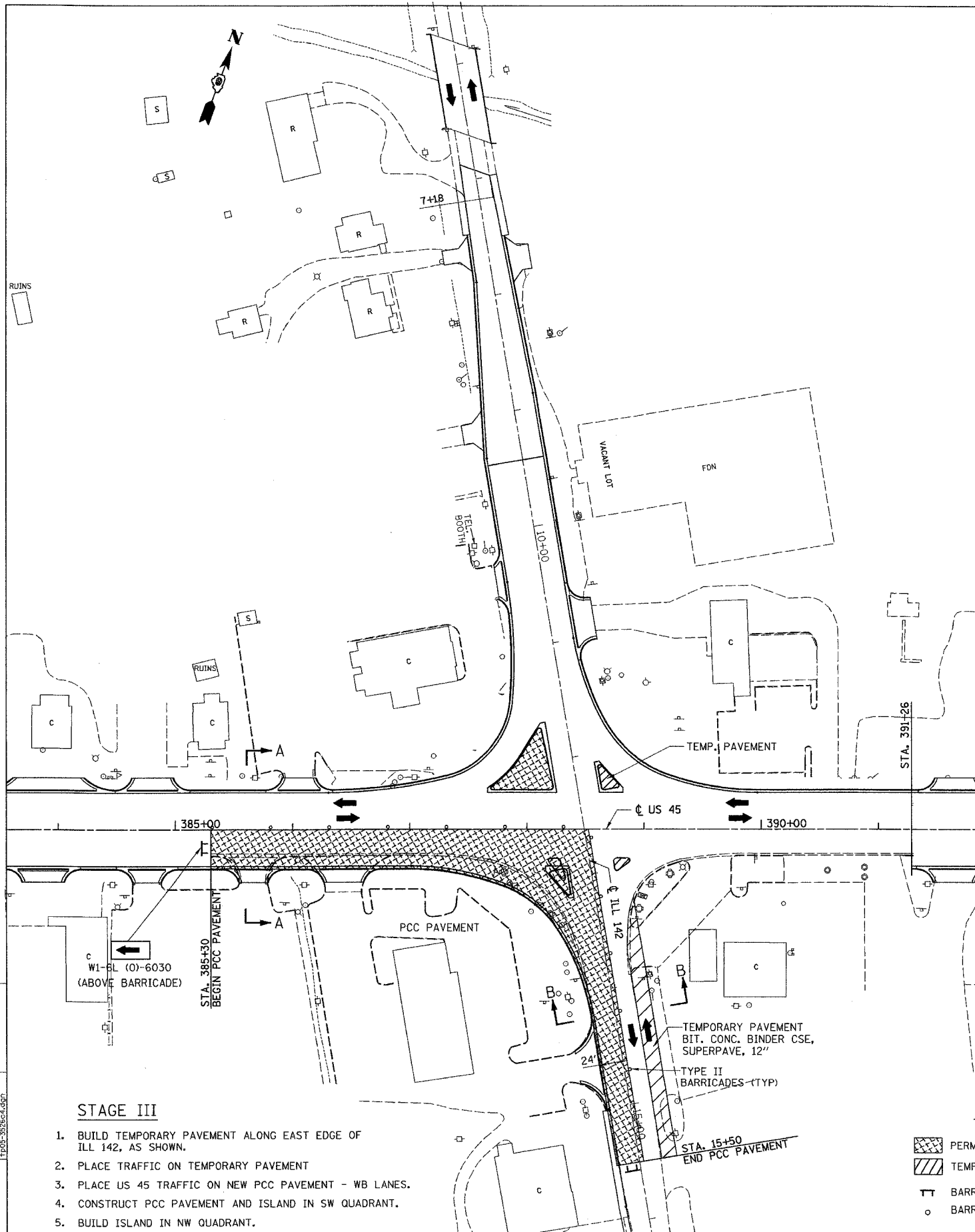
- NOTES:**
1. PAVEMENT MARKING TAPE, TYPE I 4" WILL BE USED FOR TEMPORARY MARKING ON PCC PAVEMENT.
  2. TAPER RATES FOR LANE REDUCTION/CLOSURE WILL BE IN ACCORDANCE WITH APPLICABLE TRAFFIC CONTROL STANDARDS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**U.S. ROUTE 45**  
**MAINTENANCE OF TRAFFIC**  
**STAGES OF CONSTRUCTION**  
**AT US 45 AND ILL 142**

SCALE: 1" = 50'  
 DATE: \_\_\_\_\_  
 DRAWN BY: SK  
 CHECKED BY: AW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	39
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- NOTES:
- PAVEMENT MARKING TAPE, TYPE I 4" WILL BE USED FOR TEMPORARY MARKING ON PCC PAVEMENT.
  - TAPER RATES FOR LANE REDUCTION/CLOSURE WILL BE IN ACCORDANCE WITH APPLICABLE TRAFFIC CONTROL STANDARDS.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**U.S. ROUTE 45**  
**MAINTENANCE OF TRAFFIC**  
**STAGES OF CONSTRUCTION**  
**AT US 45 AND ILL 142**

SCALE: 1"= 50'  
 DATE \_\_\_\_\_ DRAWN BY SK  
 CHECKED BY AW

REVISIONS	
NAME	DATE

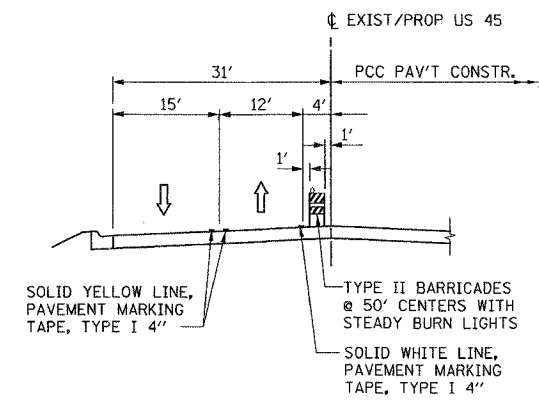
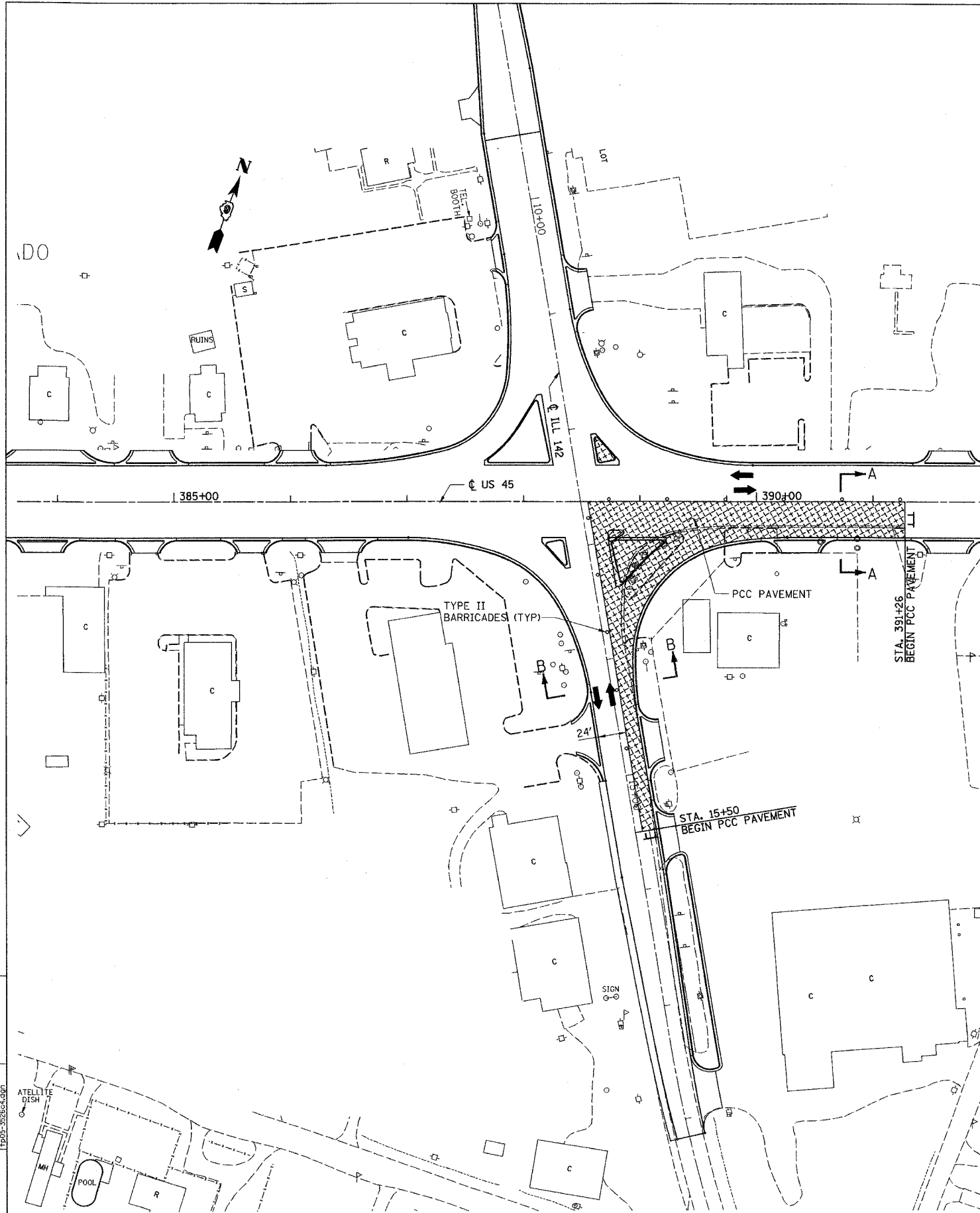
- STAGE III**
- BUILD TEMPORARY PAVEMENT ALONG EAST EDGE OF ILL 142, AS SHOWN.
  - PLACE TRAFFIC ON TEMPORARY PAVEMENT
  - PLACE US 45 TRAFFIC ON NEW PCC PAVEMENT - WB LANES.
  - CONSTRUCT PCC PAVEMENT AND ISLAND IN SW QUADRANT.
  - BUILD ISLAND IN NW QUADRANT.

- LEGEND:**
- PERMANENT CONSTRUCTION
  - TEMPORARY PAVEMENT
  - BARRICADE, TYPE III
  - BARRICADE, TYPE II

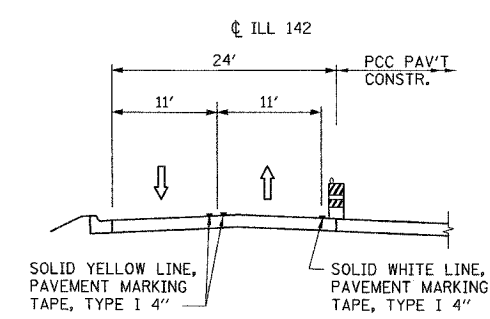
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 DATE: 01/15/01  
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 CHECKED BY: JAC  
 PLOT: 01/15/01



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	40
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



SECTION A-A  
N.T.S.



SECTION B-B  
N.T.S.

**STAGE IV**

1. MAINTAIN US 45 TRAFFIC ON WB LANES.
2. SHIFT NB TRAFFIC TO NEW PAVEMENT ON ILL 142.
3. CONSTRUCT REMINDER OF PCC PAVEMENT AND ISLAND IN SE AND NE QUADRANT.

**LEGEND:**

- PERMANENT CONSTRUCTION
- TEMPORARY PAVEMENT
- BARRICADE, TYPE III
- BARRICADE, TYPE II

**NOTES:**

1. PAVEMENT MARKING TAPE, TYPE I 4", WILL BE USED FOR TEMPORARY MARKING ON PCC PAVEMENT.
2. TAPER RATES FOR LANE REDUCTION/CLOSURE WILL BE IN ACCORDANCE WITH APPLICABLE TRAFFIC CONTROL STANDARDS.

M:\PROJECTS\PROJECTS\ROADWAY\COMMON\...  
 Active File: ...  
 No: 352624.dgn  
 No: 352624.dgn  
 No: 352624.dgn

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**U.S. ROUTE 45**  
**MAINTENANCE OF TRAFFIC**  
**STAGES OF CONSTRUCTION**  
**AT US 45 AND ILL 142**

SCALE: 1" = 50'  
 DATE: \_\_\_\_\_ DRAWN BY: SK  
 CHECKED BY: AW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	41
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROP. CURVE 505  
 PI STA. = 334+26.84  
 $\Delta = 12^\circ 44' 38''$  (RT)  
 $D = 1^\circ 15' 00''$   
 $R = 4,583.66'$   
 $T = 511.87'$   
 $L = 1,019.51'$   
 $E = 28.49'$   
 $e = 4\%$   
 P.C. STA. = 329+14.98  
 P.T. STA. = 339+34.49

NOTE:  
 REMOVE OUTSIDE 1' OF WESTBOUND LANES  
 FROM STA. 338+65.10 LT. TO 344+58.20 LT.

NOTE:  
 REMOVE OUTSIDE 1' OF EASTBOUND LANES  
 FROM STA. 339+49.68 RT. TO 344+58.20 RT.

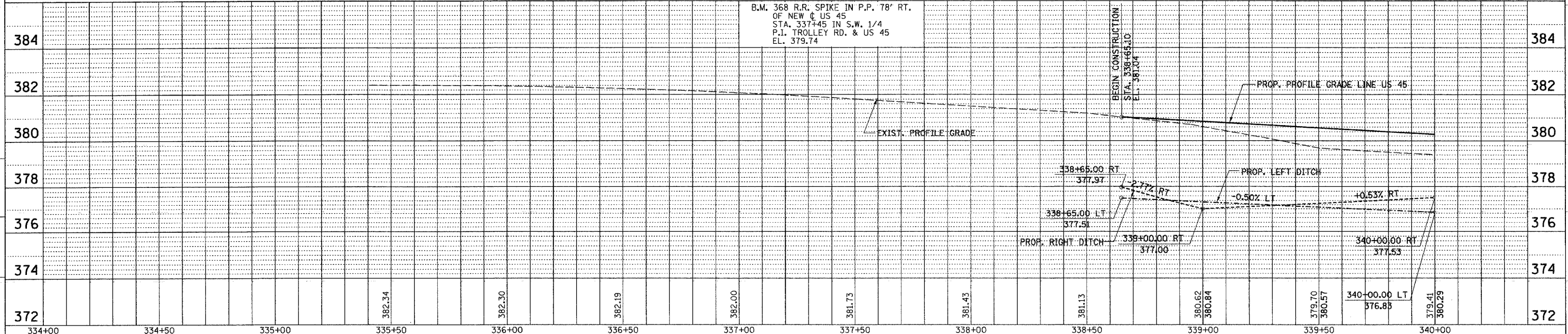
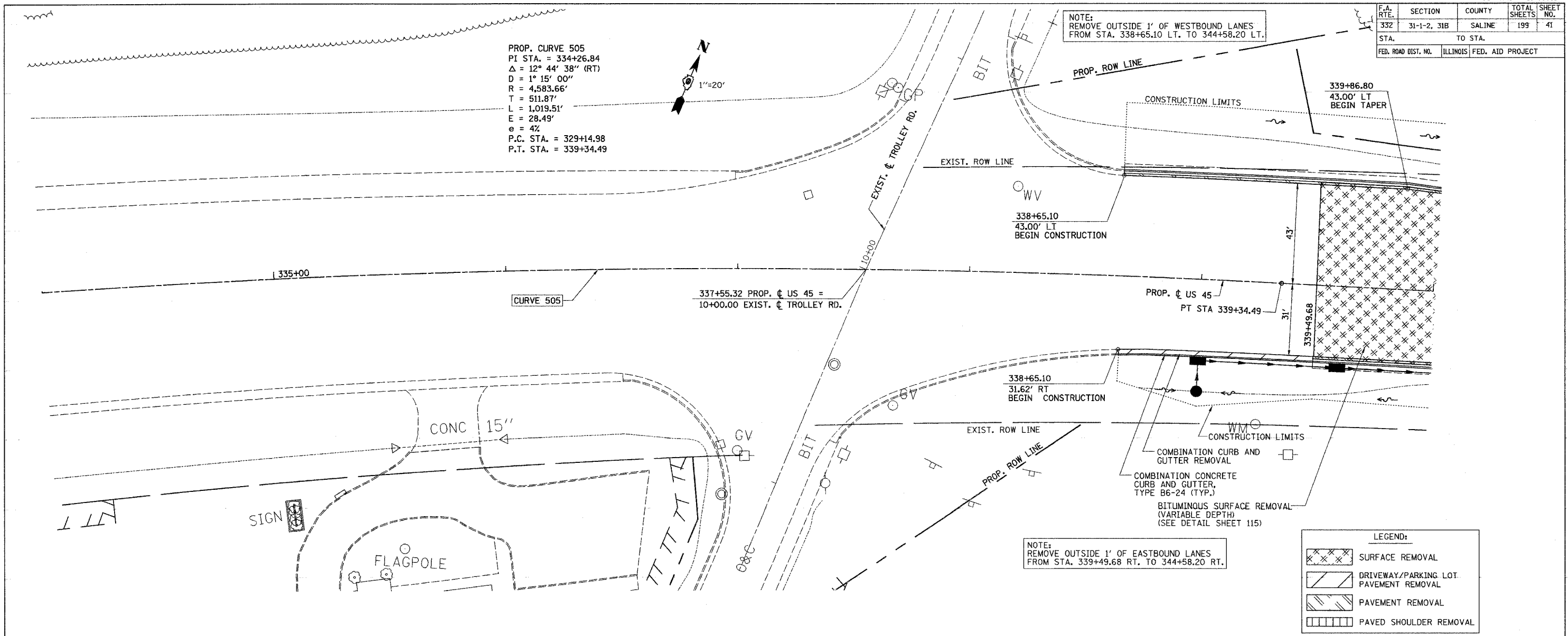
LEGEND:

	SURFACE REMOVAL
	DRIVEWAY/PARKING LOT PAVEMENT REMOVAL
	PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL

PLAN  
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 PLOTTED BY: [ ]  
 CHECKED BY: [ ]  
 DATE: [ ]

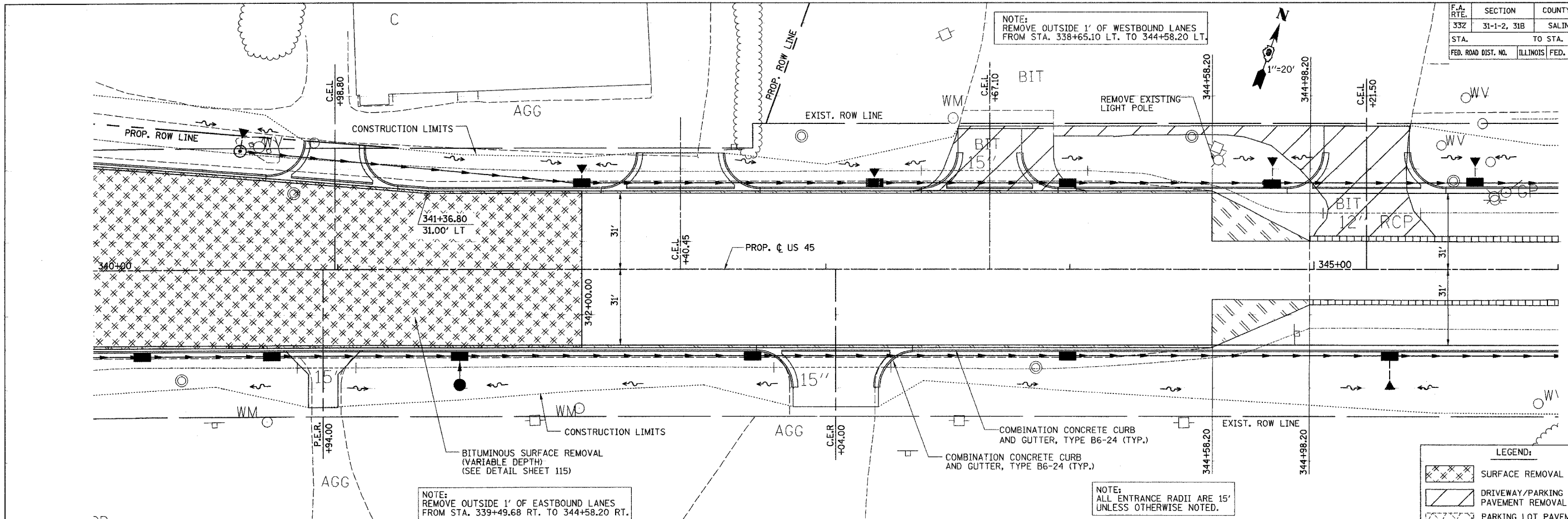
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 PLOTTED BY: [ ]  
 CHECKED BY: [ ]  
 DATE: [ ]

ACTIVE FILE  
 PROJECT: [ ]  
 DRAWN BY: [ ]



PLAN PROFILE - US 45 STA. 334+00 TO STA. 340+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	42
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

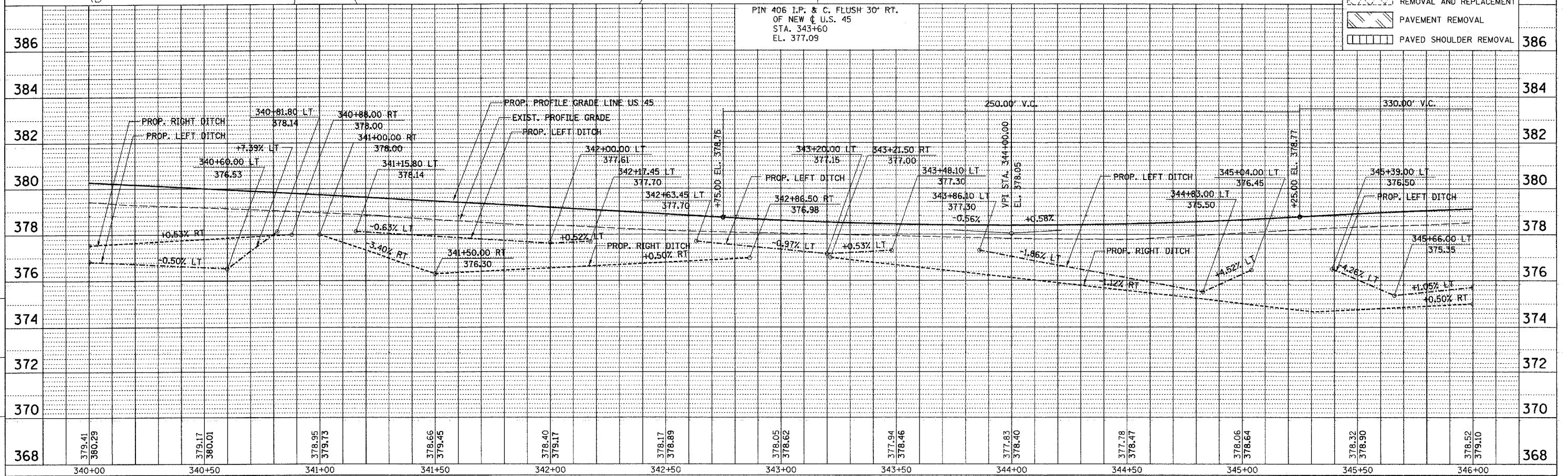


NOTE: REMOVE OUTSIDE 1' OF EASTBOUND LANES FROM STA. 339+49.68 RT. TO 344+58.20 RT.

NOTE: ALL ENTRANCE RADII ARE 15' UNLESS OTHERWISE NOTED.

LEGEND:

	SURFACE REMOVAL
	DRIVEWAY/PARKING LOT PAVEMENT REMOVAL
	PARKING LOT PAVEMENT REMOVAL AND REPLACEMENT
	PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL



PLAN

DATE	BY	REVISION
7/20/00	...	...
8/20/00	...	...
9/20/00	...	...

PLAN & PROFILE CHECKED BY: DR  
 DRAINAGE CHECKED BY: JS  
 DRAWN BY: JS

PROFILE

DATE	BY	REVISION
7/20/00	...	...
8/20/00	...	...
9/20/00	...	...

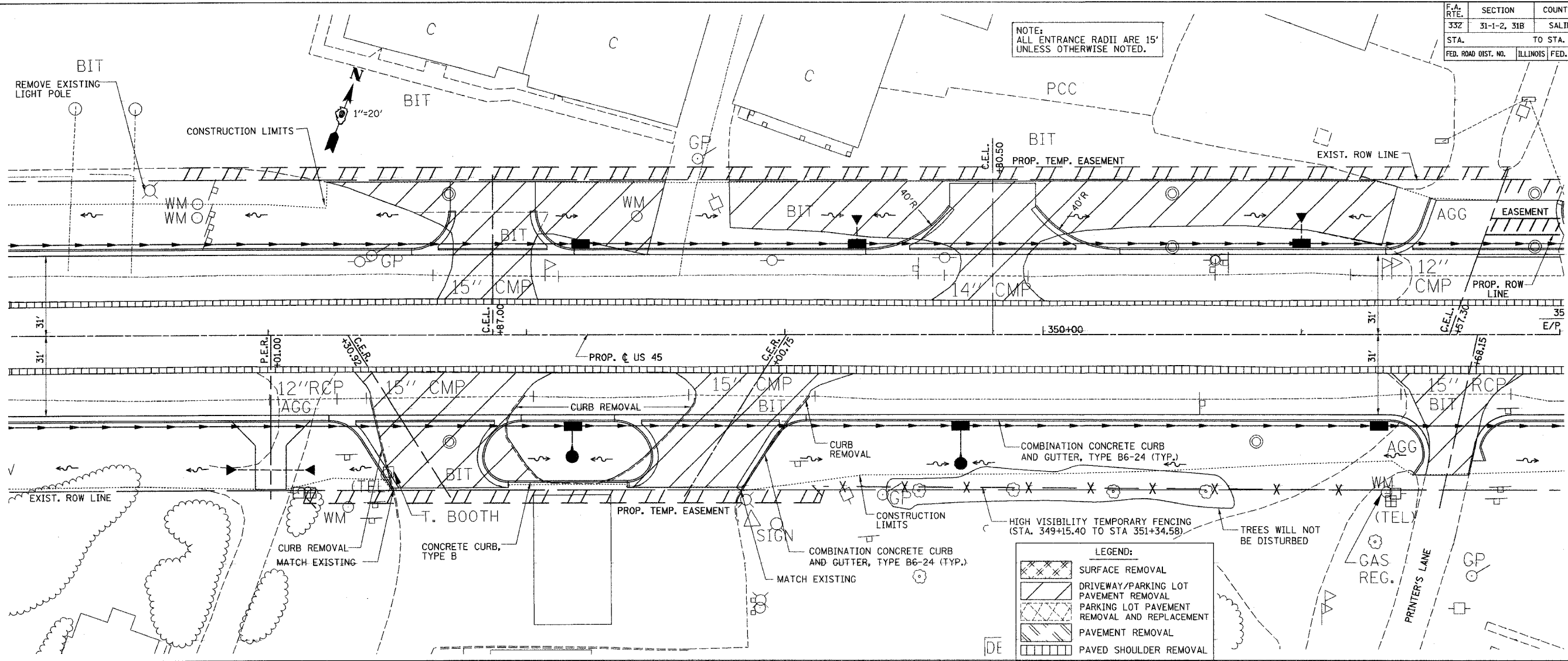
Active Files

FILE NAME	DATE
...	...
...	...

PLAN PROFILE - US 45 STA. 340+00 TO STA. 346+00

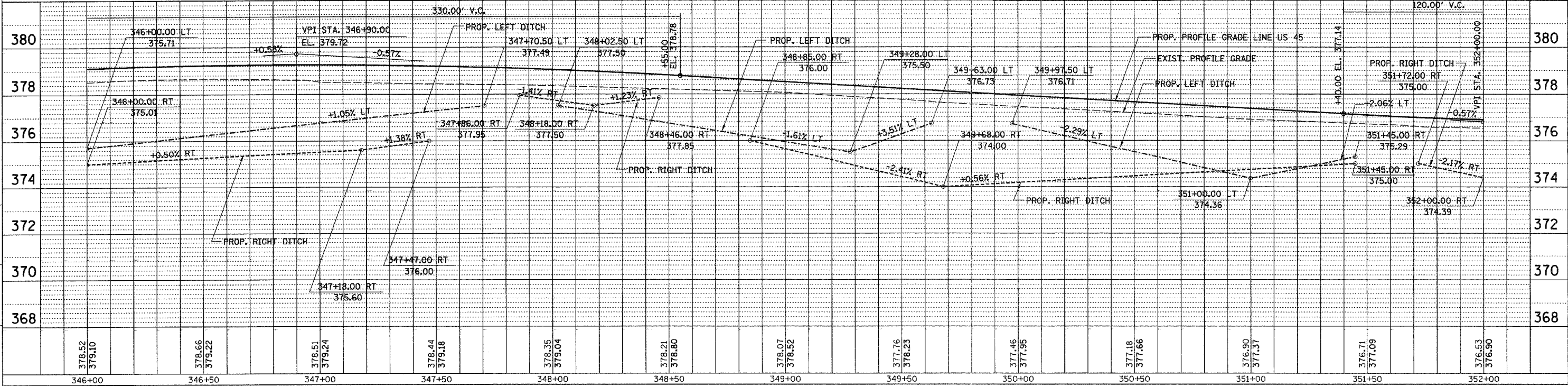
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	45
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTE: ALL ENTRANCE RADII ARE 15' UNLESS OTHERWISE NOTED.



**LEGEND:**

- SURFACE REMOVAL
- DRIVEWAY/PARKING LOT PAVEMENT REMOVAL
- PARKING LOT PAVEMENT REMOVAL AND REPLACEMENT
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL



PLAN PROFILE - US 45 STA. 346+00 TO STA. 352+00

DATE: 7/01/00  
 BY: [Signature]  
 CHECKED: [Signature]  
 PLAN: SURVEYED, REVISIONS, ALIGNED, RT. OF WAY CHECKED, NOTE BOOK, PAID FILE NAME, SEE BELOW

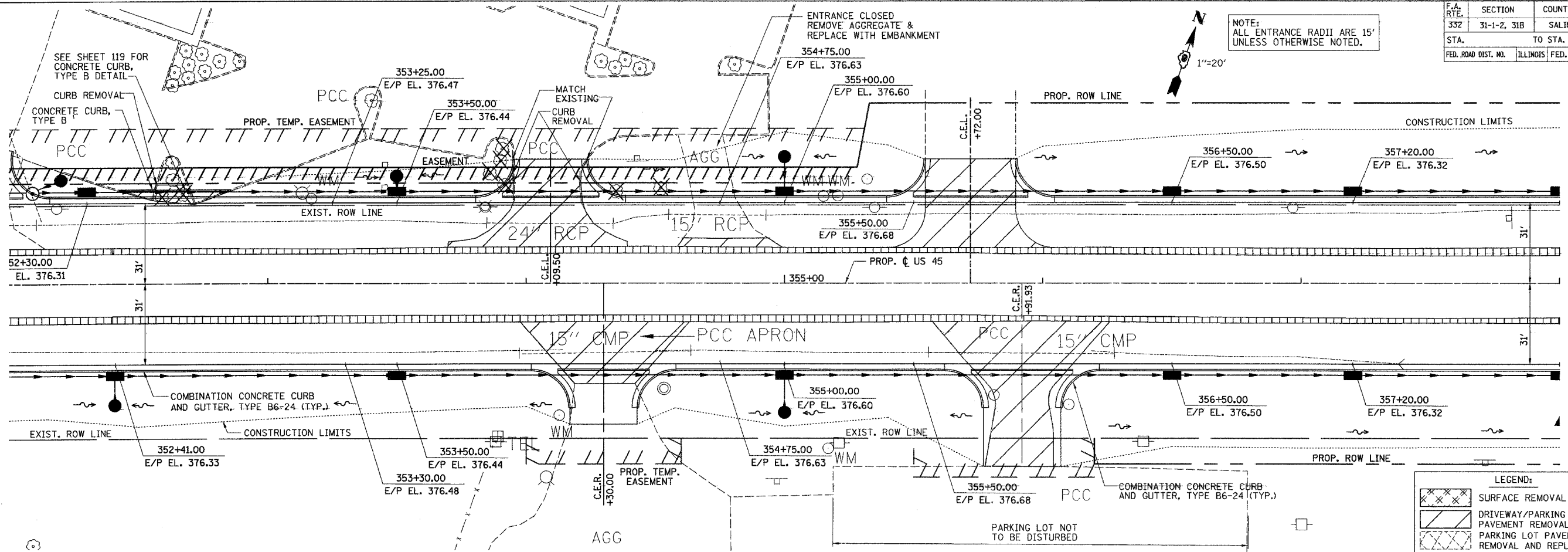
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 BY: [Signature]  
 CHECKED: [Signature]  
 PLAN & PROFILE CHECKED BY: [Signature]  
 DRAINAGE CHECKED BY: [Signature]  
 DRAWN BY: [Signature]

DATE: 7/01/00  
 BY: [Signature]  
 CHECKED: [Signature]  
 PROFILE: SURVEYED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHECKED, NOTE BOOK, SEE BELOW

DATE: 7/01/00  
 BY: [Signature]  
 CHECKED: [Signature]  
 M.I. PROJECTS/PROCESSES/ROADWAY/COMMON/RT. OF WAY FIRST, DESIGN/LEGEND

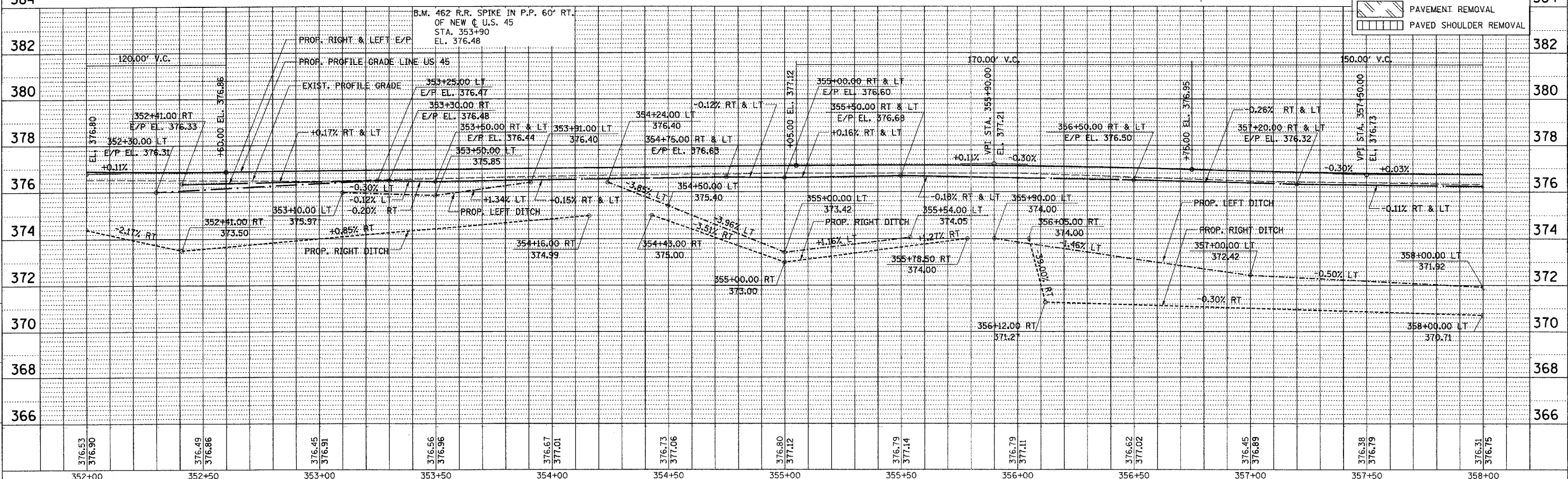
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	44
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTE: ALL ENTRANCE RADII ARE 15' UNLESS OTHERWISE NOTED.



LEGEND:

	SURFACE REMOVAL
	DRIVEWAY/PARKING LOT PAVEMENT REMOVAL
	PARKING LOT PAVEMENT REMOVAL AND REPLACEMENT
	PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL



PLAN PROFILE - US 45 STA. 352+00 TO STA. 358+00

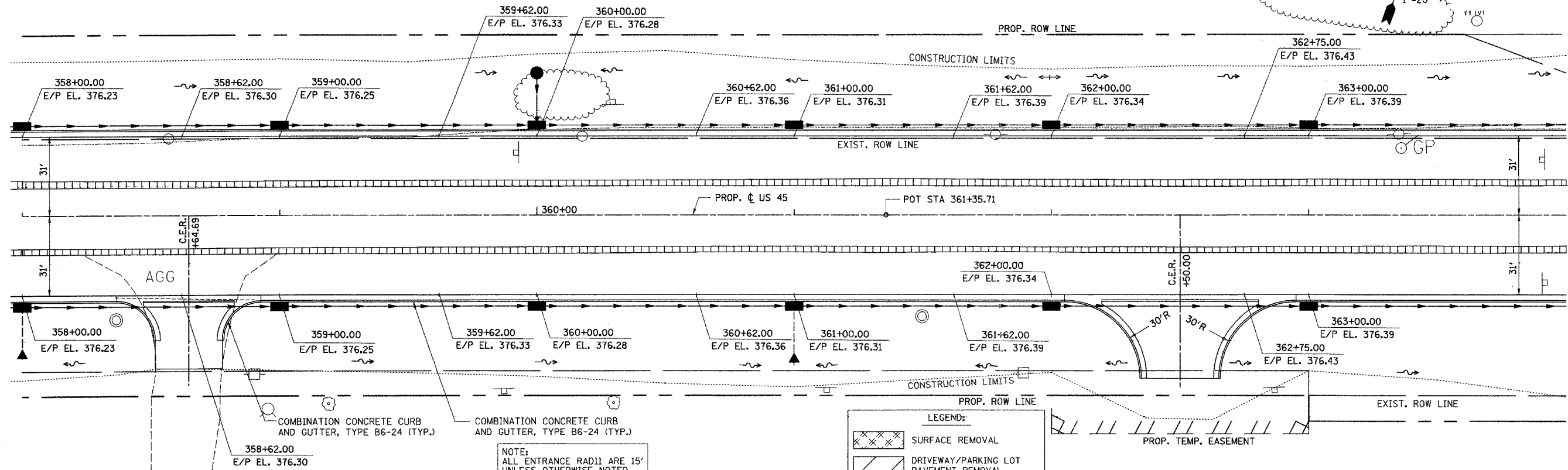
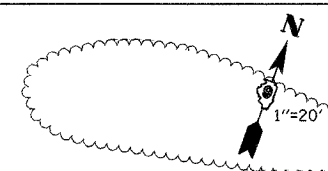
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 SURVEYED: [Signature]  
 PLAN: [Signature]  
 NOTE: [Signature]

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 CHECKED: [Signature]  
 SURVEYED: [Signature]  
 PLAN & PROFILE CHECKED BY: [Signature]  
 DRAINAGE CHECKED BY: [Signature]  
 DRAWN BY: [Signature]

DATE: 11/11/11  
 BY: [Signature]  
 CHECKED: [Signature]  
 SURVEYED: [Signature]  
 PROFILE: [Signature]  
 NOTE: [Signature]

DATE: 11/11/11  
 BY: [Signature]  
 CHECKED: [Signature]  
 SURVEYED: [Signature]  
 PROFILE: [Signature]  
 NOTE: [Signature]

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	45
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



**LEGEND:**

- SURFACE REMOVAL
- DRIVEWAY/PARKING LOT PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL

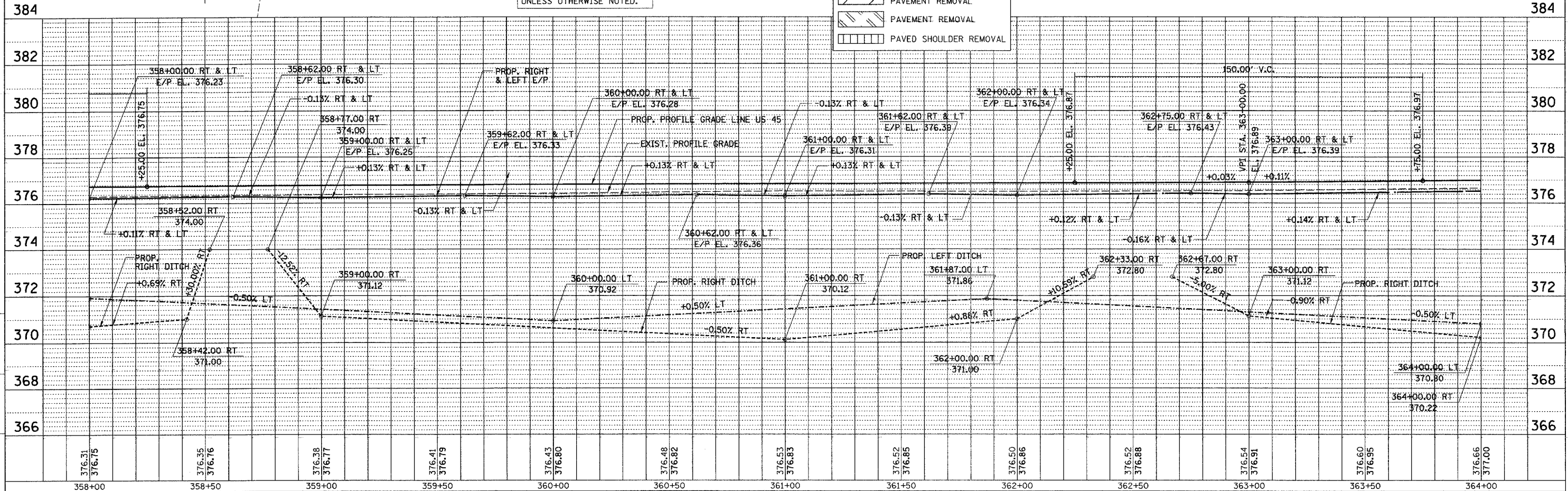
NOTE:  
ALL ENTRANCE RADII ARE 15'  
UNLESS OTHERWISE NOTED.

DATE: 7/01  
BY: [Signature]  
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DESIGNED BY: [Signature]  
DRAWN BY: [Signature]  
NO. [ ]  
NOTE BOOK NO. [ ]  
ADD FILE NAME: [ ]  
SEE BELOW

PLAN & PROFILE CHECKED BY: [Signature]  
DRAINAGE CHECKED BY: [Signature]  
DRAWN BY: [Signature]

DATE: 7/01  
BY: [Signature]  
CHECKED BY: [Signature]  
DESIGNED BY: [Signature]  
DRAWN BY: [Signature]  
NO. [ ]  
NOTE BOOK NO. [ ]  
ADD FILE NAME: [ ]  
SEE BELOW

M:\PROJECTS\PROJ0536\ROADWAY\COMMON\  
Reference Files  
Active Files  
2/2/2014 5:00pm



PLAN PROFILE - US 45 STA. 358+00 TO STA. 364+00

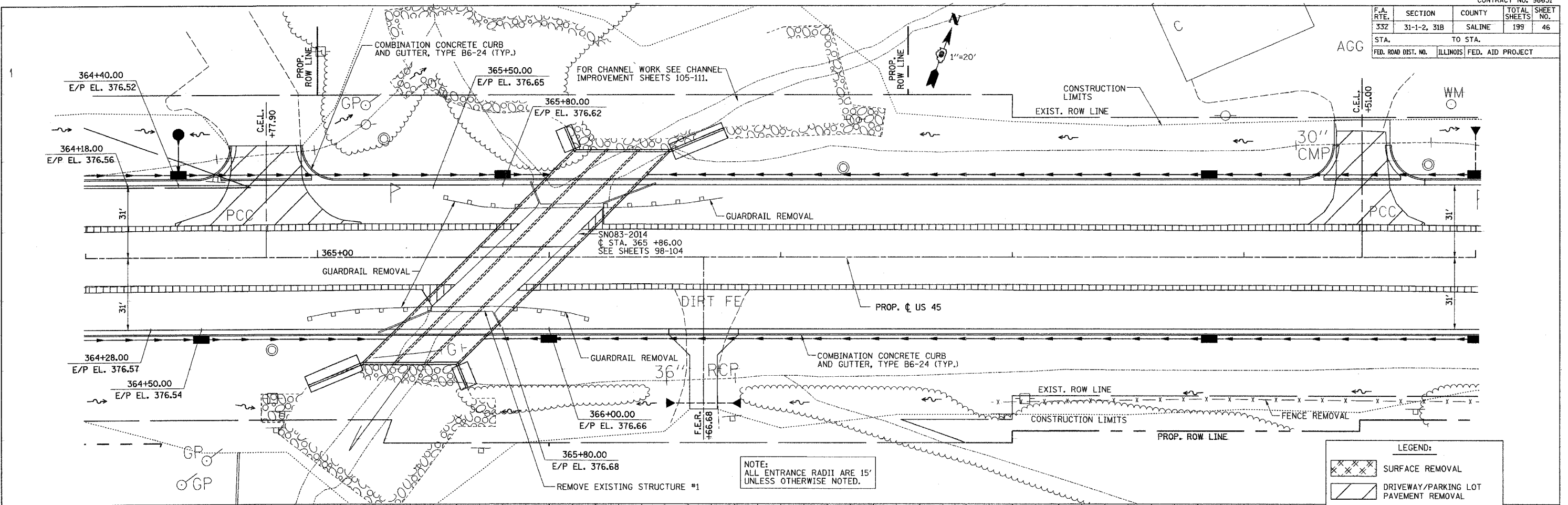
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	46
STA. 364+00		TO STA. 370+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	BY	REVISION
7/0		
7/0		
7/0		
7/0		

PLAN & PROFILE CHECKED BY: DB  
 DRAINAGE CHECKED BY: JS  
 DRAWN BY: JS

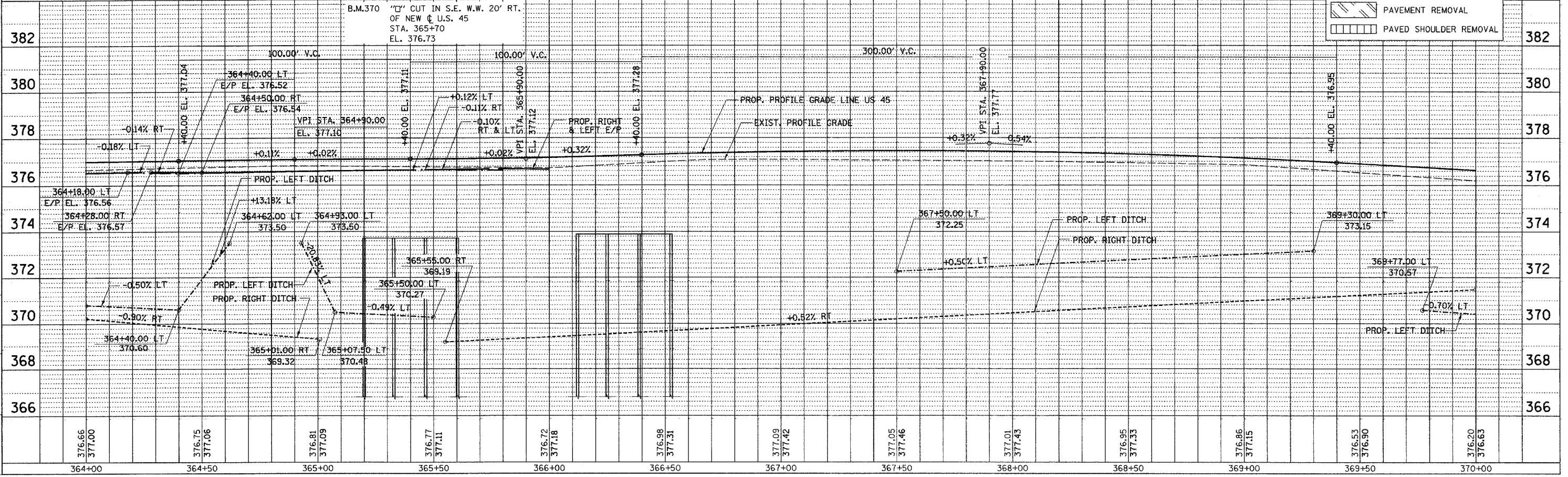
DATE	BY	REVISION
7/0		
7/0		
7/0		
7/0		

PROFILE SURVEYED BY: DB  
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 NOTE BOOK NO. 123456789  
 STRUCTURE DATA FILE NO. 123456789



LEGEND:

	SURFACE REMOVAL
	DRIVEWAY/PARKING LOT PAVEMENT REMOVAL
	PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL



PLAN PROFILE - US 45 STA. 364+00 TO STA. 370+00

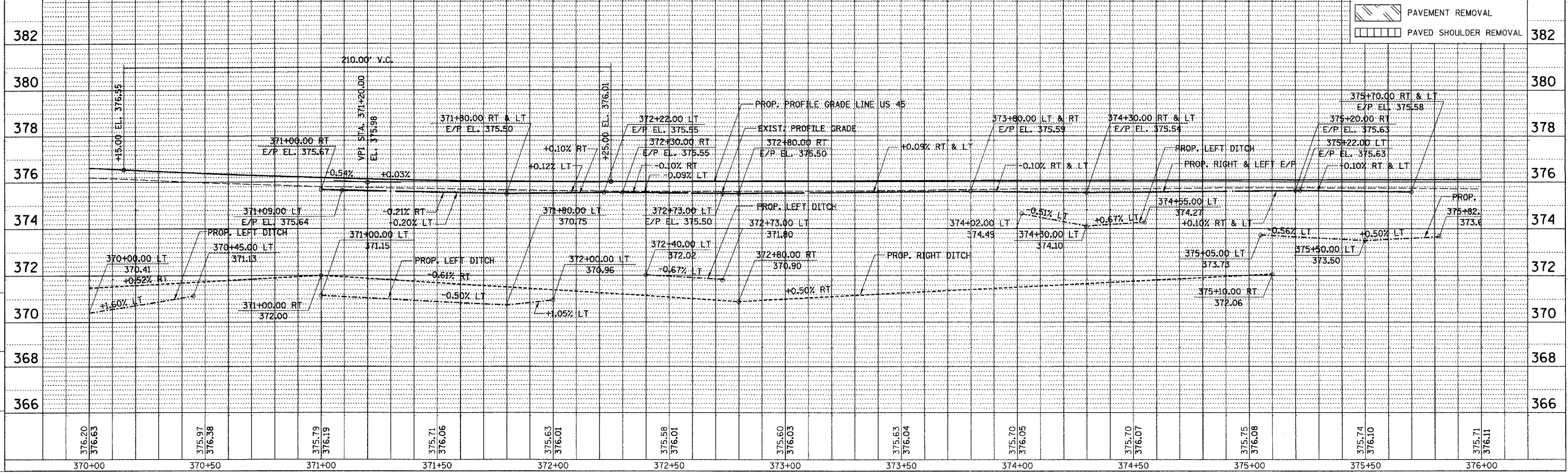
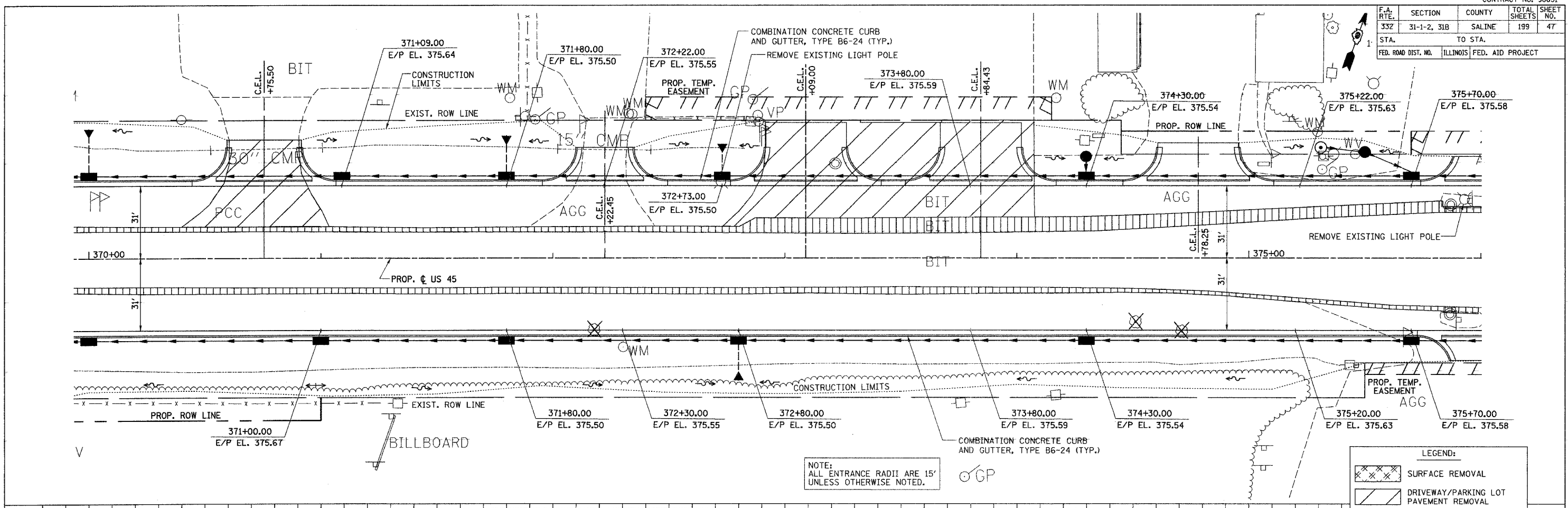
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	47
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

PLAN	SURVEYED	BY	
	PLOTTED	BY	
	NOTED	BY	
	DATE		
	NO.		

PLAN & PROFILE CHECKED BY	DB
DRAINAGE CHECKED BY	MS
DRAWN BY	MS

PROFILE	SURVEYED	BY	
	PLOTTED	BY	
	NOTED	BY	
	DATE		
	NO.		

ACTIVE FILE	DATE
PROJECTS/PROJ3556/ROADWAY/COMMUN	10/10/03
REVISIONS	



LEGEND:

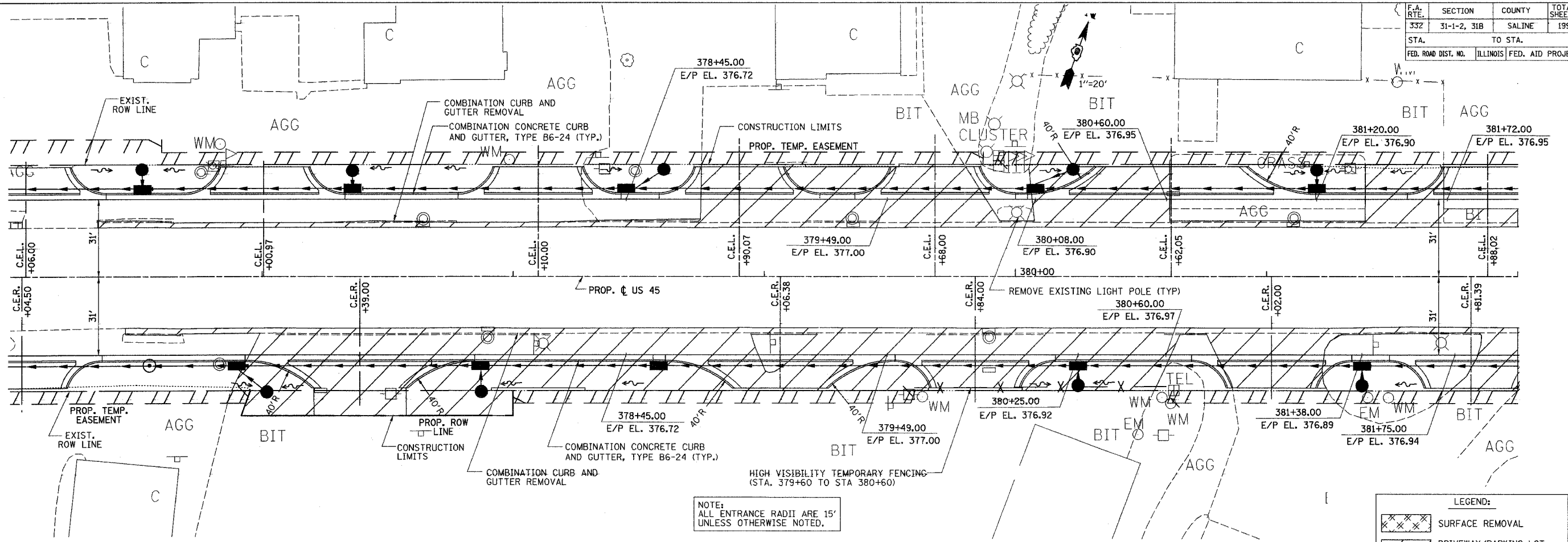
[Pattern]	SURFACE REMOVAL
[Pattern]	DRIVEWAY/PARKING LOT PAVEMENT REMOVAL
[Pattern]	PAVEMENT REMOVAL
[Pattern]	PAVED SHOULDER REMOVAL

NOTE: ALL ENTRANCE RADII ARE 15' UNLESS OTHERWISE NOTED.

PLAN PROFILE - US 45 STA. 370+00 TO STA. 376+00



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	48
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



NOTE:  
ALL ENTRANCE RADII ARE 15'  
UNLESS OTHERWISE NOTED.

LEGEND:

	SURFACE REMOVAL
	DRIVEWAY/PARKING LOT PAVEMENT REMOVAL
	PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL

PLAN

DATE	BY	REVISION

NOTE BOOK NO. \_\_\_\_\_

DATE SURVEYED \_\_\_\_\_ BY \_\_\_\_\_

DATE ALIGNED \_\_\_\_\_ BY \_\_\_\_\_

DATE CHECKED \_\_\_\_\_ BY \_\_\_\_\_

DATE FILED \_\_\_\_\_ BY \_\_\_\_\_

PLAN & PROFILE CHECKED BY \_\_\_\_\_

DRAINAGE CHECKED BY \_\_\_\_\_

DRAWN BY \_\_\_\_\_

PROFILE

DATE	BY	REVISION

NOTE BOOK NO. \_\_\_\_\_

DATE SURVEYED \_\_\_\_\_ BY \_\_\_\_\_

DATE GRADES CHECKED \_\_\_\_\_ BY \_\_\_\_\_

DATE PROFILE NOTATION CHECKED \_\_\_\_\_ BY \_\_\_\_\_

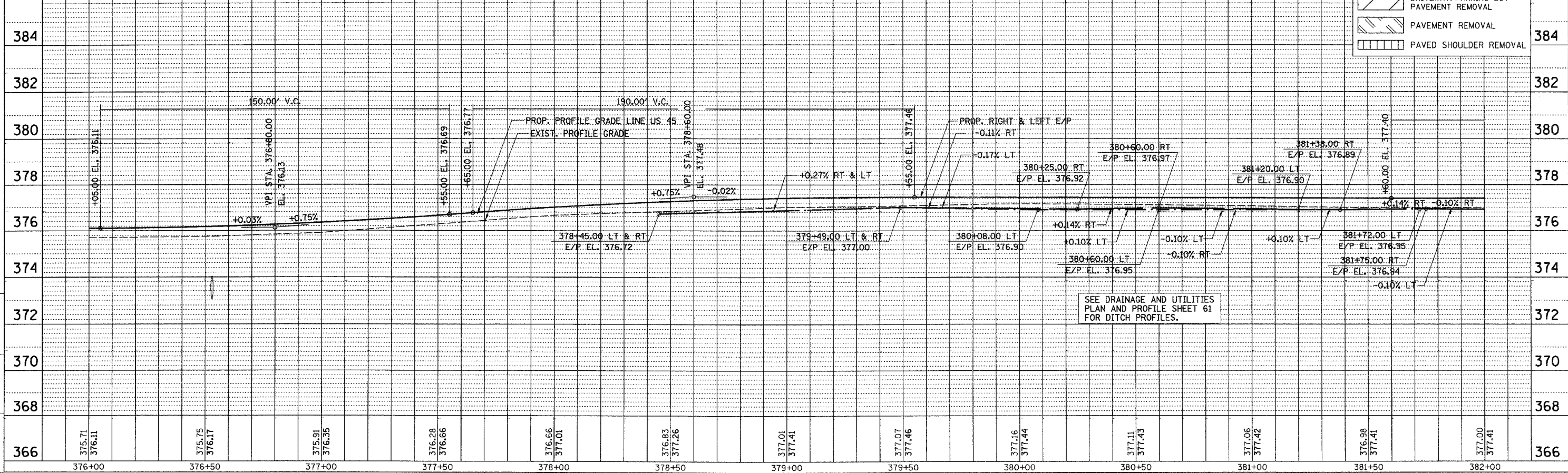
ACTIVE FILE NO. \_\_\_\_\_

PROJECTS/PROPOSALS/ISSUES/REMARKS/REVISIONS

DATE \_\_\_\_\_ BY \_\_\_\_\_

DATE \_\_\_\_\_ BY \_\_\_\_\_

DATE \_\_\_\_\_ BY \_\_\_\_\_



SEE DRAINAGE AND UTILITIES PLAN AND PROFILE SHEET 61 FOR DITCH PROFILES.

PLAN PROFILE - US 45 STA. 376+00 TO STA. 382+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	49
STA. TO STA.		ILLINOIS FED. AID PROJECT		

PLAN

DATE	BY	REVISION
7/27/07	...	...

REVISIONS: 1. SEE BELOW

PLAN & PROFILE CHECKED BY: DB

DRAINAGE CHECKED BY: JS

DRAWN BY: JS

PROFILE

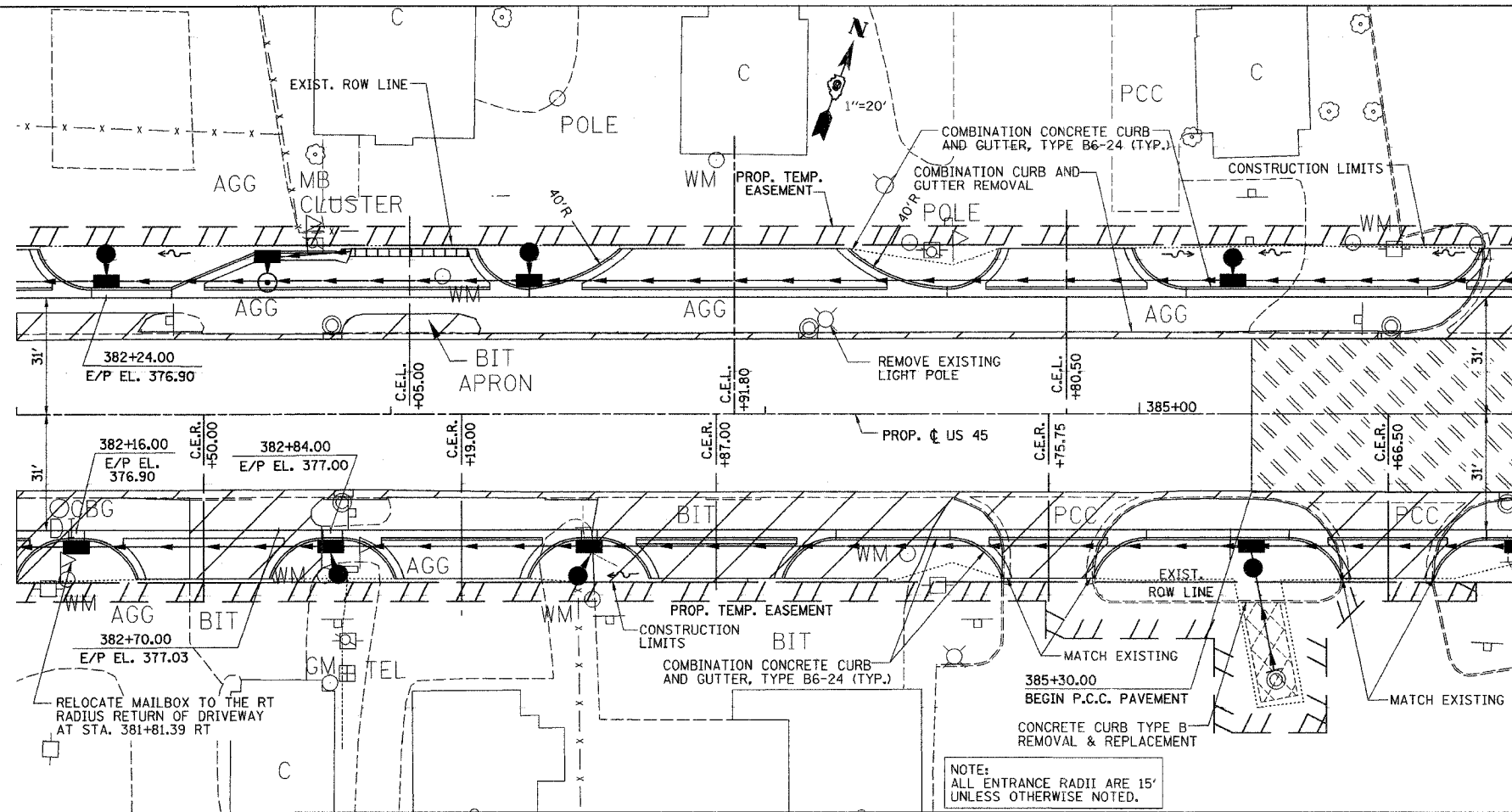
DATE	BY	REVISION
7/27/07	...	...

REVISIONS: 1. SEE BELOW

PROJECT: PROPOSED ROADWAY/CONCRETE PAVEMENT

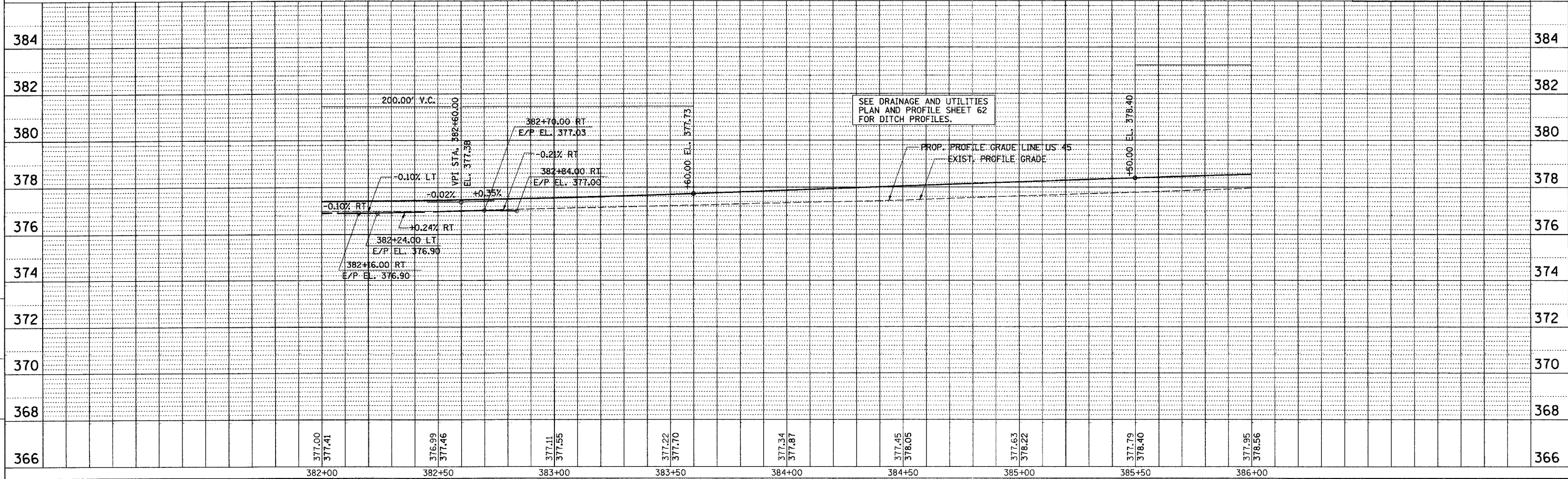
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PROJECT NO.: ...



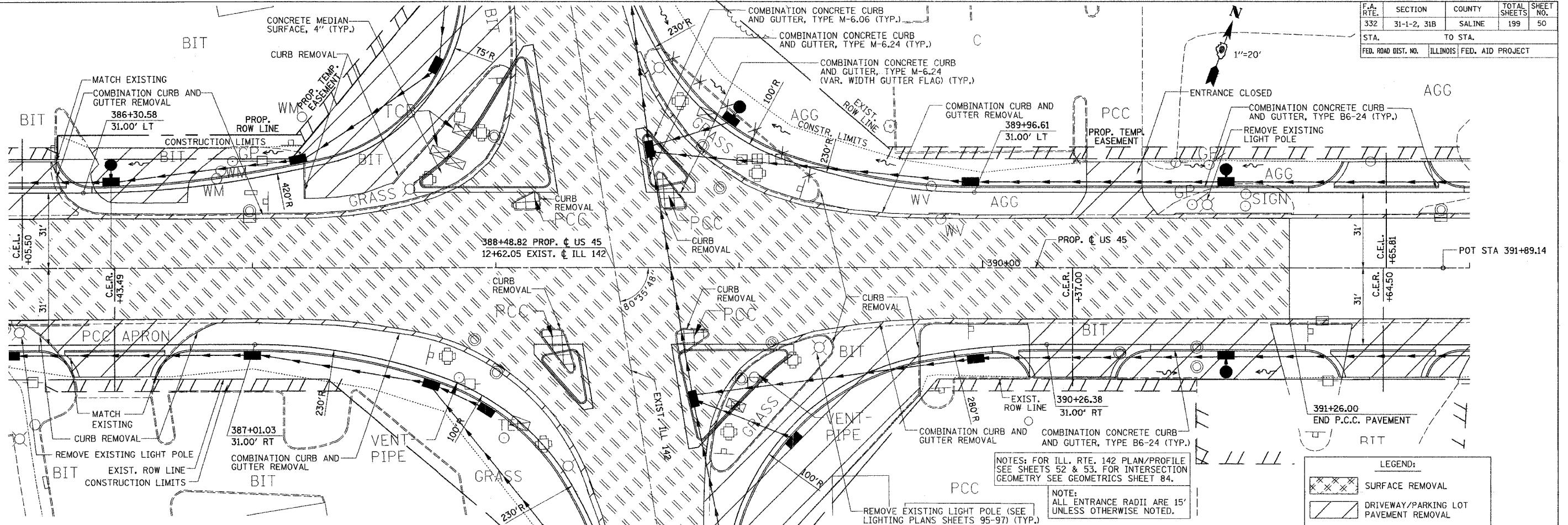
LEGEND:

	SURFACE REMOVAL
	DRIVEWAY/PARKING LOT PAVEMENT REMOVAL
	PARKING LOT PAVEMENT REMOVAL AND REPLACEMENT
	PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL



PLAN PROFILE - US 45 STA. 382+00 TO STA. 386+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	50
STA. TO STA.		ILLINOIS FED. AID PROJECT		



NOTES: FOR ILL. RTE. 142 PLAN/PROFILE SEE SHEETS 52 & 53. FOR INTERSECTION GEOMETRY SEE GEOMETRICS SHEET 84.

NOTE: ALL ENTRANCE RADII ARE 15' UNLESS OTHERWISE NOTED.

LEGEND:

	SURFACE REMOVAL
	DRIVEWAY/PARKING LOT PAVEMENT REMOVAL
	ISLAND REMOVAL
	PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL

PLAN

DATE	BY	REVISION
7/20/00	...	...
7/20/00	...	...
7/20/00	...	...

PLAN & PROFILE CHECKED BY: DR

DRAINAGE CHECKED BY: MT

DESIGNED BY: JS

DRAWN BY:

PROFILE

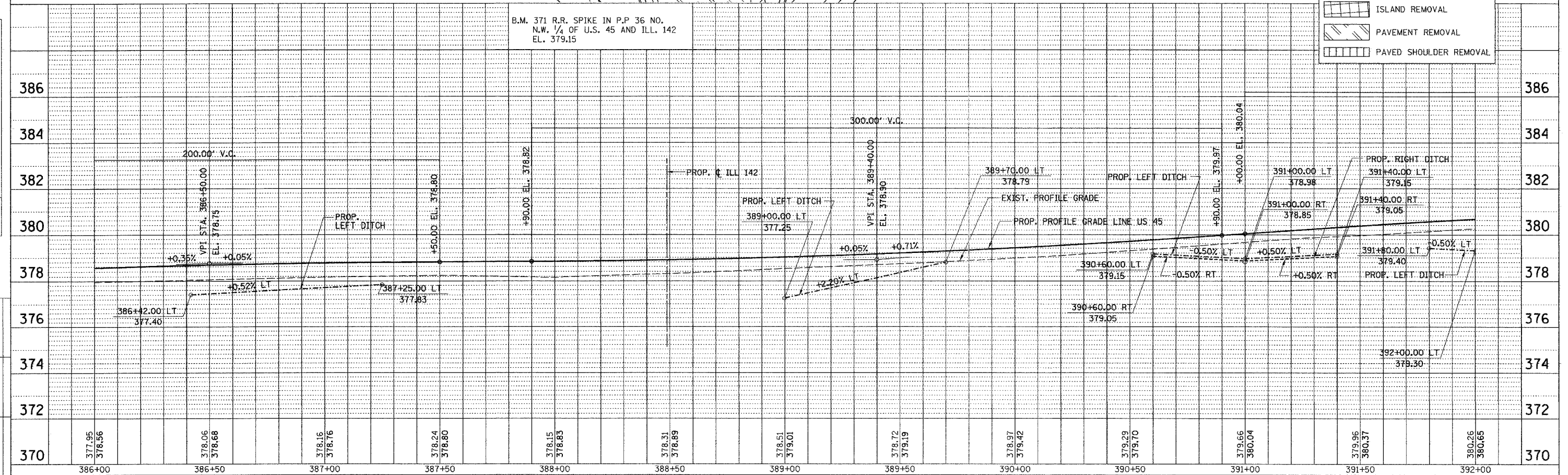
DATE	BY	REVISION
7/20/00	...	...
7/20/00	...	...
7/20/00	...	...

PROFILE GRADES CHECKED BY: DR

STRUCTURE NOTES CHECKED BY: DR

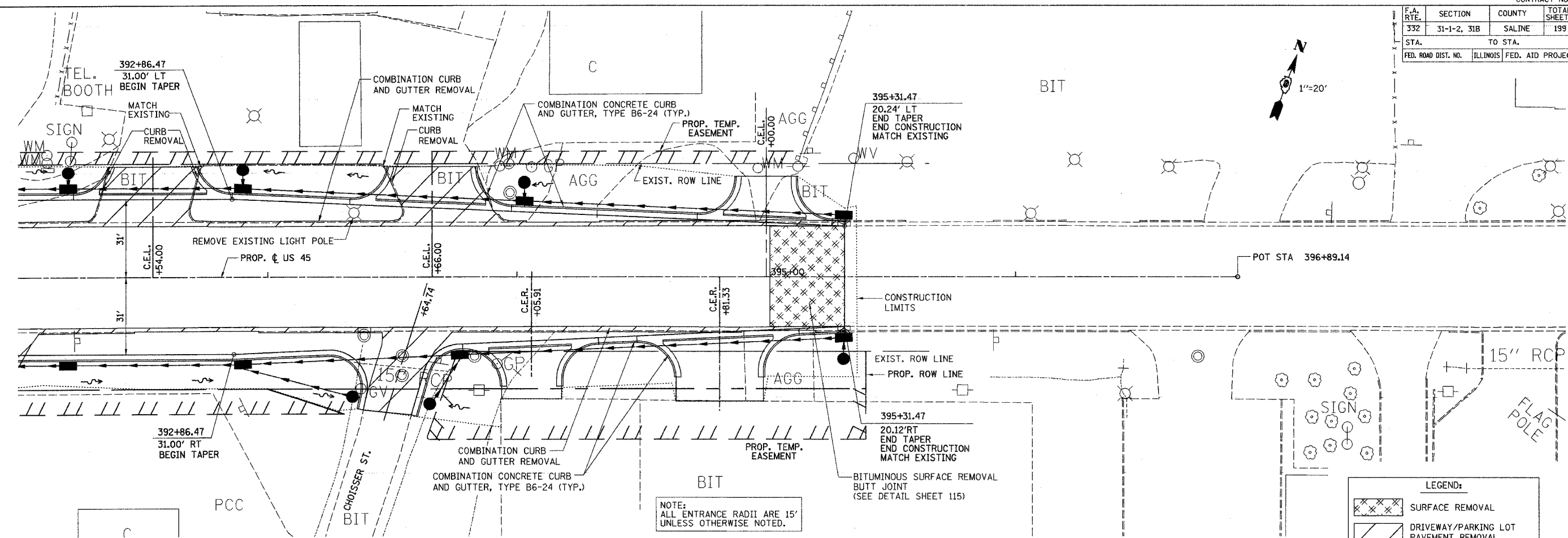
PROJECTS/PROFILES/ROADWAY/COMMON

DATE	BY	REVISION
7/20/00	...	...
7/20/00	...	...
7/20/00	...	...



PLAN PROFILE - US 45 STA. 386+00 TO STA. 392+00

CONTRACT NO. 98631				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	51
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

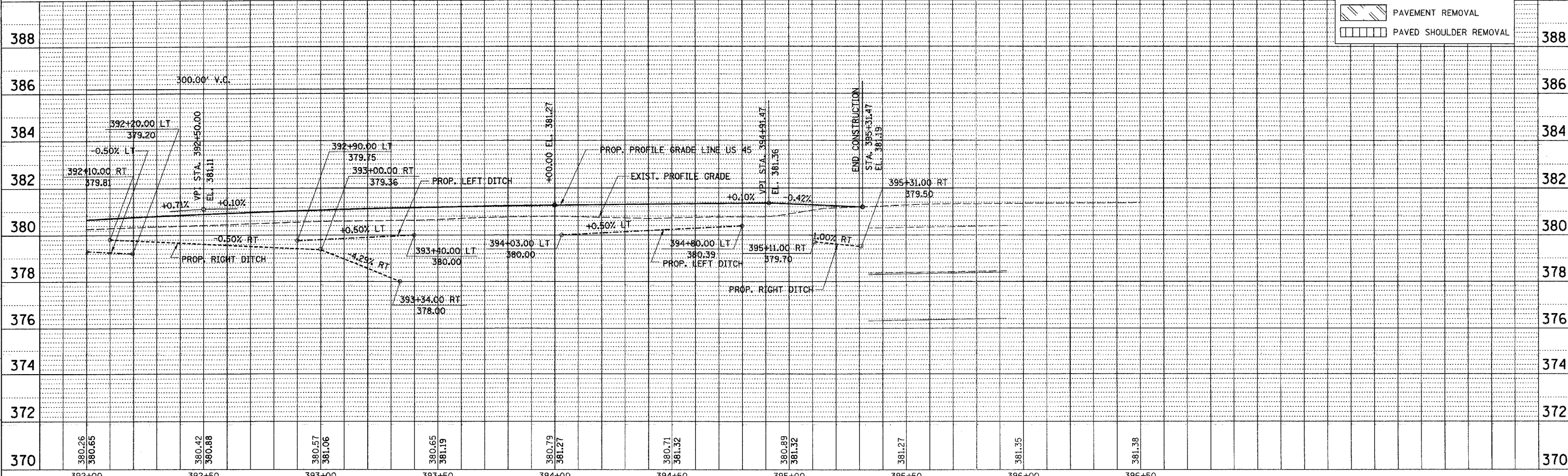


DATE: 7/01 BY: J.S.  
 PLAN CHECKED: J.S.  
 SURVEYED: J.S.  
 ALIGNED: J.S.  
 PLOTTED: J.S.  
 DATE: 7/01 BY: J.S.  
 PLAN CHECKED: J.S.  
 SURVEYED: J.S.  
 ALIGNED: J.S.  
 PLOTTED: J.S.

DATE: 7/01 BY: J.S.  
 PROFILE CHECKED: J.S.  
 SURVEYED: J.S.  
 GRADES CHECKED: J.S.  
 DATE: 7/01 BY: J.S.  
 PROFILE CHECKED: J.S.  
 SURVEYED: J.S.  
 GRADES CHECKED: J.S.

NOTE:  
 ALL ENTRANCE RADII ARE 15'  
 UNLESS OTHERWISE NOTED.

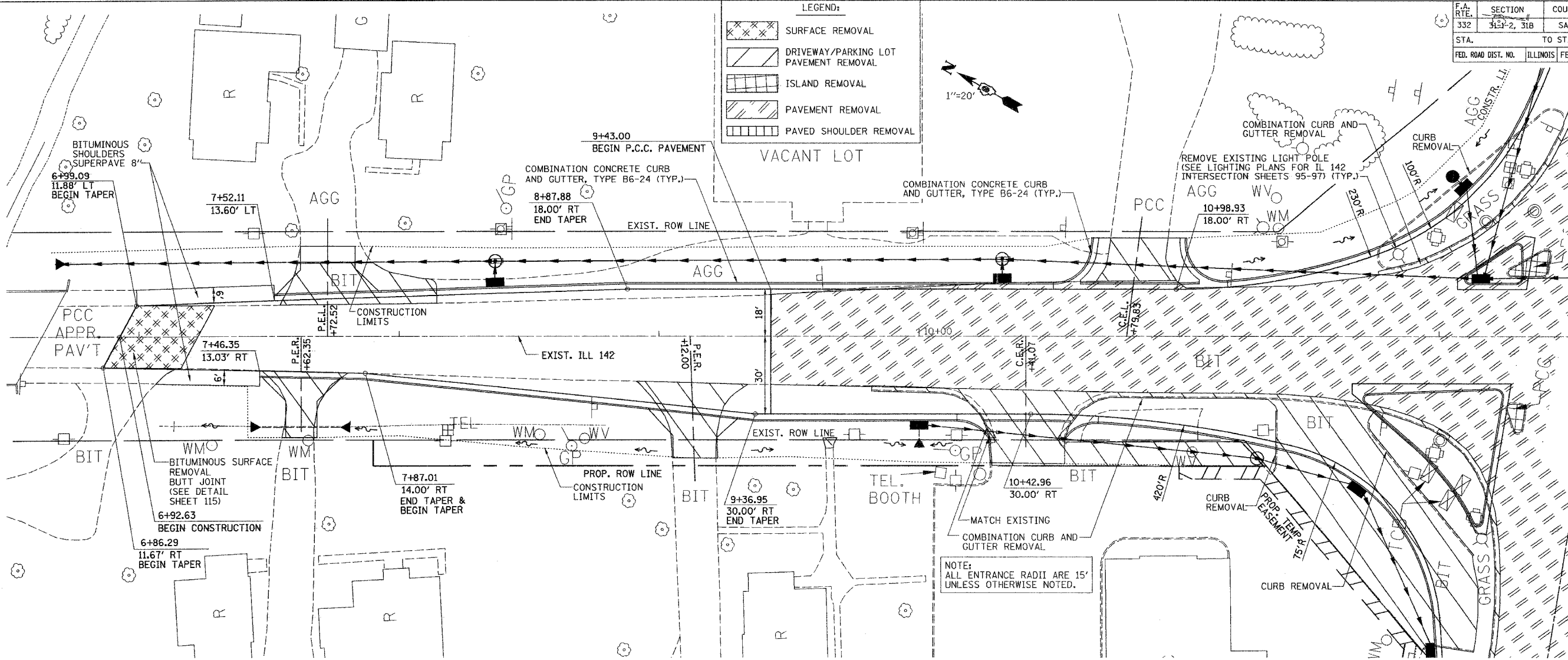
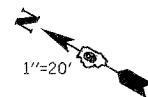
LEGEND:	
	SURFACE REMOVAL
	DRIVEWAY/PARKING LOT PAVEMENT REMOVAL
	PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL



PLAN PROFILE - US 45 STA. 392+00 TO STA. 396+89.14

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	312-2, 318	SALINE	199	52
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- LEGEND:
- [Cross-hatched box] SURFACE REMOVAL
  - [Diagonal lines box] DRIVEWAY/PARKING LOT PAVEMENT REMOVAL
  - [Vertical lines box] ISLAND REMOVAL
  - [Horizontal lines box] PAVEMENT REMOVAL
  - [Stippled box] PAVED SHOULDER REMOVAL



NOTE: ALL ENTRANCE RADII ARE 15' UNLESS OTHERWISE NOTED.

PLAN

DATE: 1/20/00  
BY: JRS  
CHECKED: JRS  
DATE: 1/20/00

SURVEYED BY: JRS  
ALIGNED BY: JRS  
NOTED BY: JRS  
DATE: 1/20/00

NOTE BOOK NO.: 0822024-12-001  
FILE NAME: SEE BELOW

PLAN & PROFILE CHECKED BY: JRS  
DRAINAGE CHECKED BY: JRS  
DRAWN BY: JRS

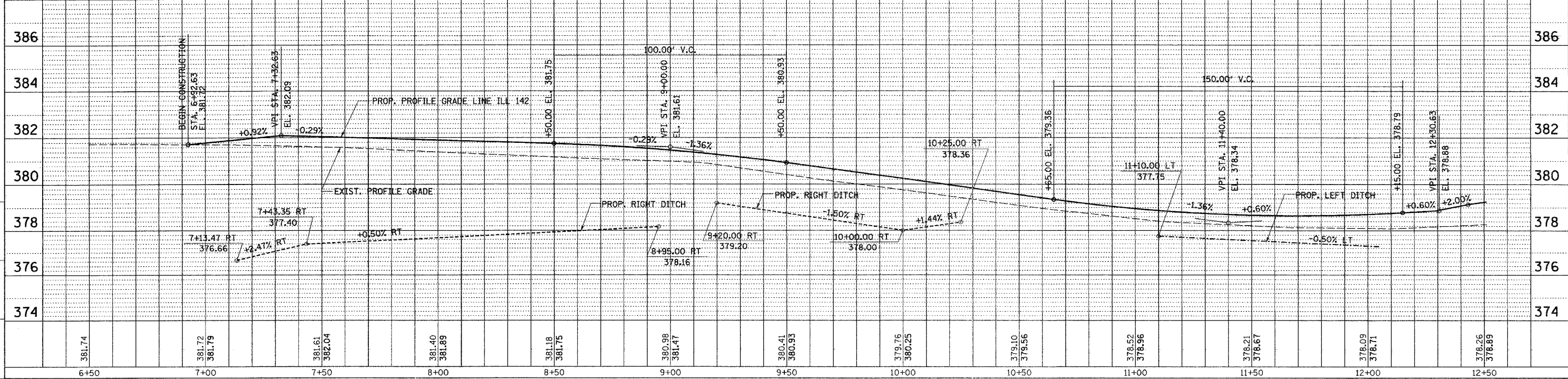
PROFILE

DATE: 1/20/00  
BY: JRS  
CHECKED: JRS  
DATE: 1/20/00

SURVEYED BY: JRS  
GRADES CHECKED: JRS  
BLM. NOTED BY: JRS  
STRUCTURE NOTATIONS SHOWN

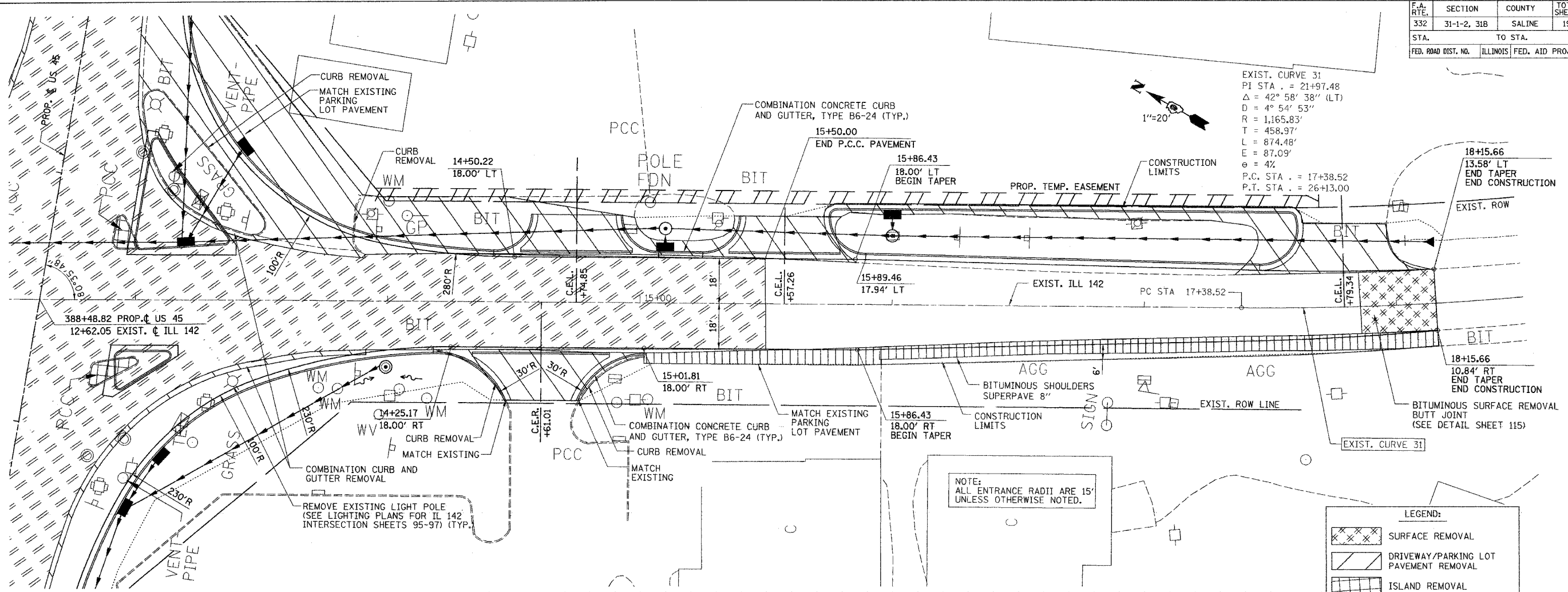
PROJECT: PROPOSED HIGHWAY CONSTRUCTION  
NO. 12+50

DATE: 08/20/04-12-001



PLAN PROFILE - ILL. RTE 142 STA. 6+50 TO STA. 12+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	53
STA. 12+50 TO STA. 18+50		ILLINOIS FED. AID PROJECT		



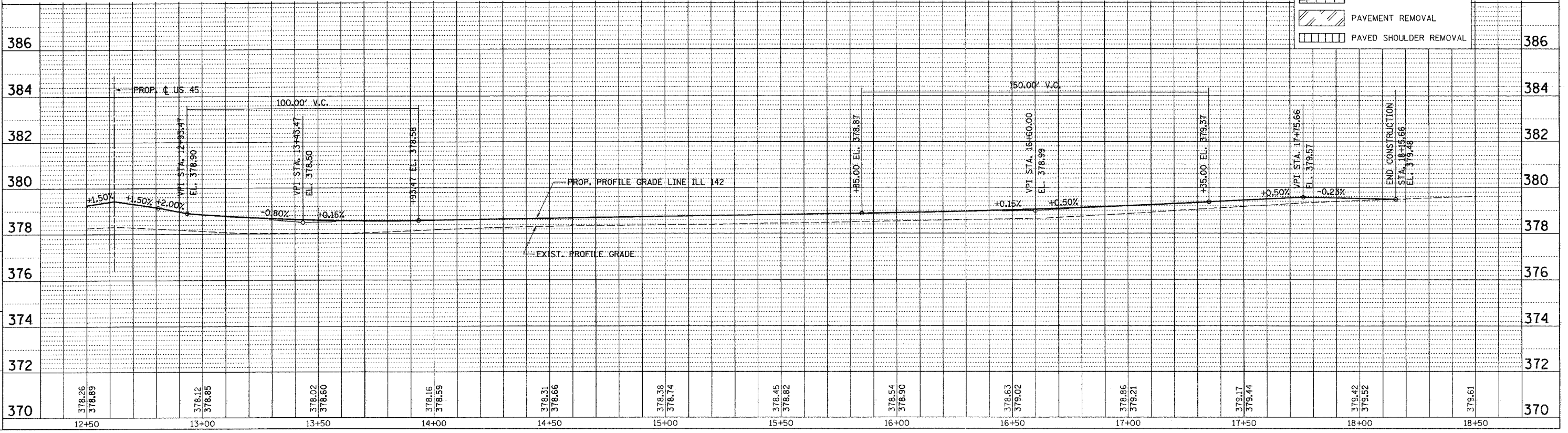
EXIST. CURVE 31  
 PI STA. = 21+97.48  
 Δ = 42° 58' 38" (LT)  
 D = 4° 54' 53"  
 R = 1,165.83'  
 T = 458.97'  
 L = 874.48'  
 E = 87.09'  
 e = 4%  
 P.C. STA. = 17+38.52  
 P.T. STA. = 26+13.00

NOTE:  
 ALL ENTRANCE RADII ARE 15'  
 UNLESS OTHERWISE NOTED.

LEGEND:

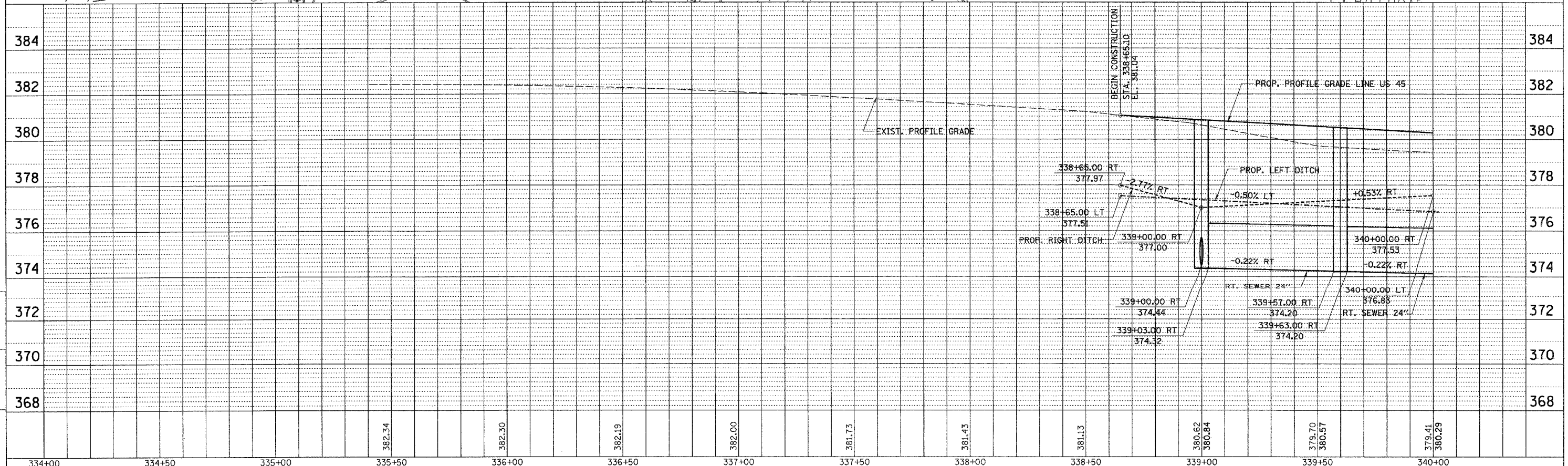
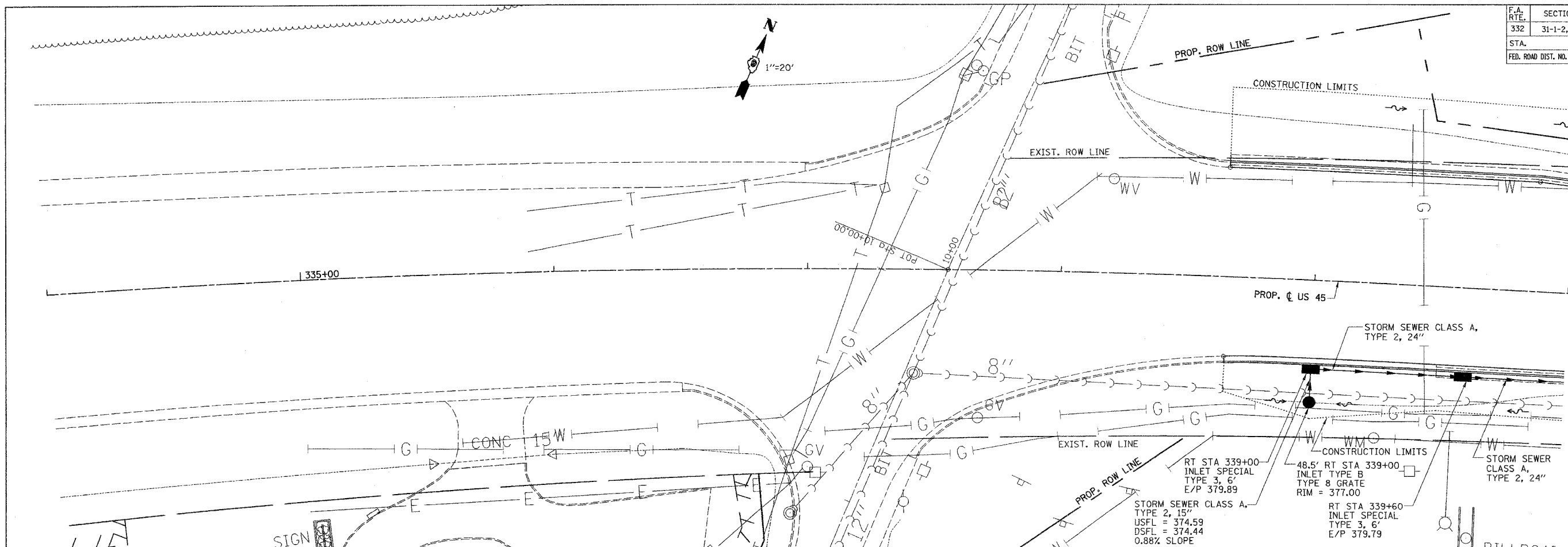
	SURFACE REMOVAL
	DRIVEWAY/PARKING LOT PAVEMENT REMOVAL
	ISLAND REMOVAL
	PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL

DATE: 12/01/00	BY: [Signature]
DATE: 12/01/00	BY: [Signature]
DATE: 12/01/00	BY: [Signature]
DATE: 12/01/00	BY: [Signature]
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PLAN PROFILE - ILL. RTE. 142 STA. 12+50 TO STA. 18+50

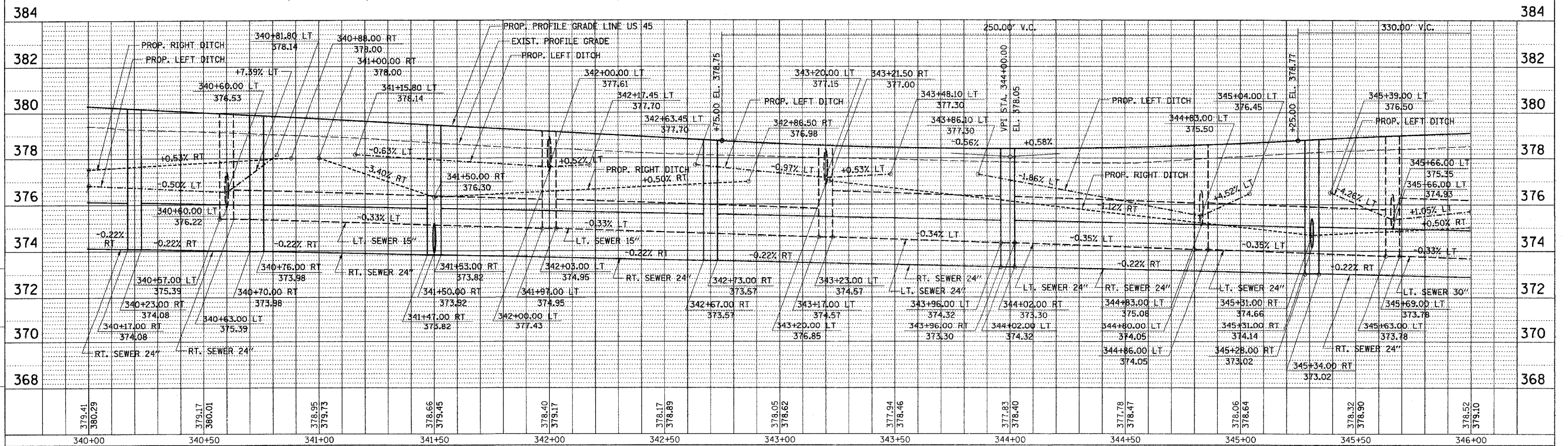
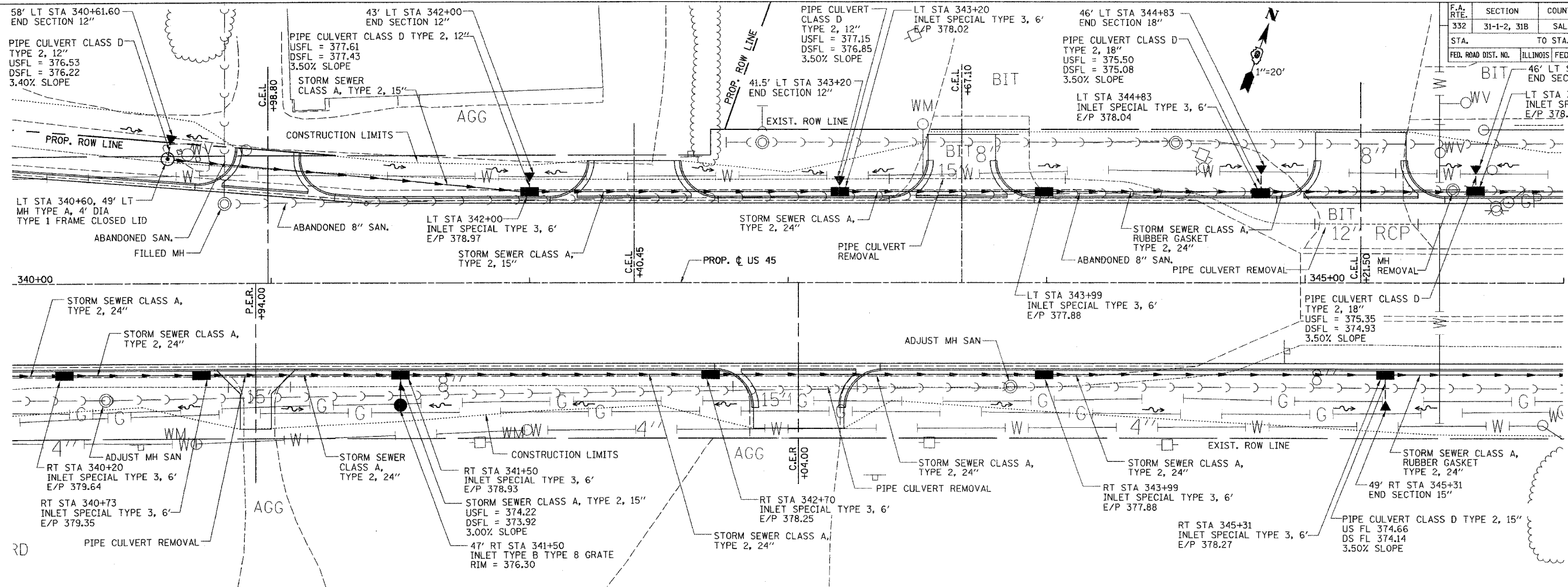
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	54
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



M:\PROJECTS\PROJECTS\ROADWAY\COMMON\Reference Files  
 Active Files

**DRAINAGE AND UTILITIES PLAN PROFILE - STA. 334 +00 TO STA. 340 +00**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	55
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



**DRAINAGE AND UTILITIES PLAN PROFILE - STA. 340+00 TO STA. 346+00**

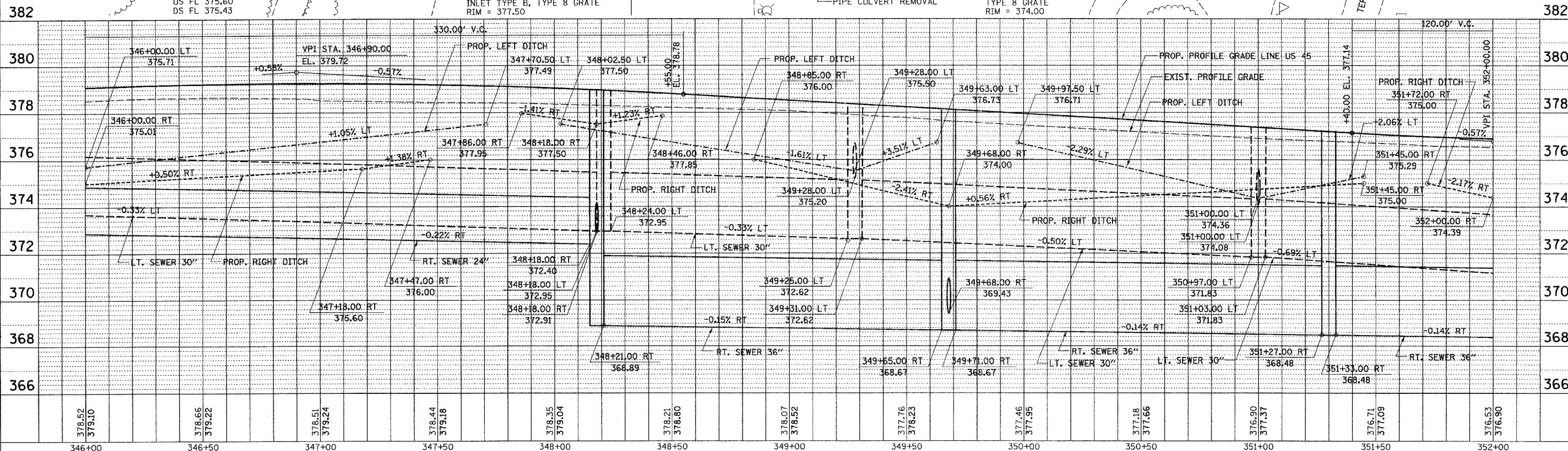
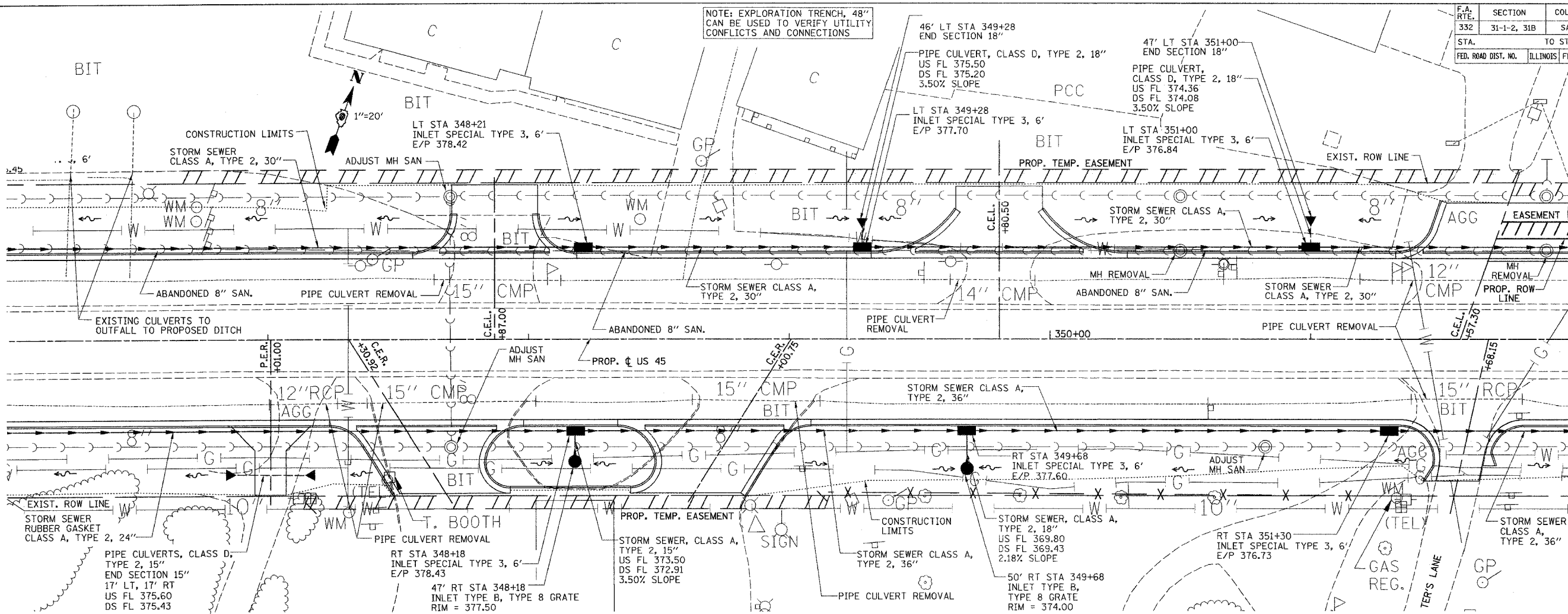
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 2/2/2017 2:05pm



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	56
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTE: EXPLORATION TRENCH, 48" CAN BE USED TO VERIFY UTILITY CONFLICTS AND CONNECTIONS

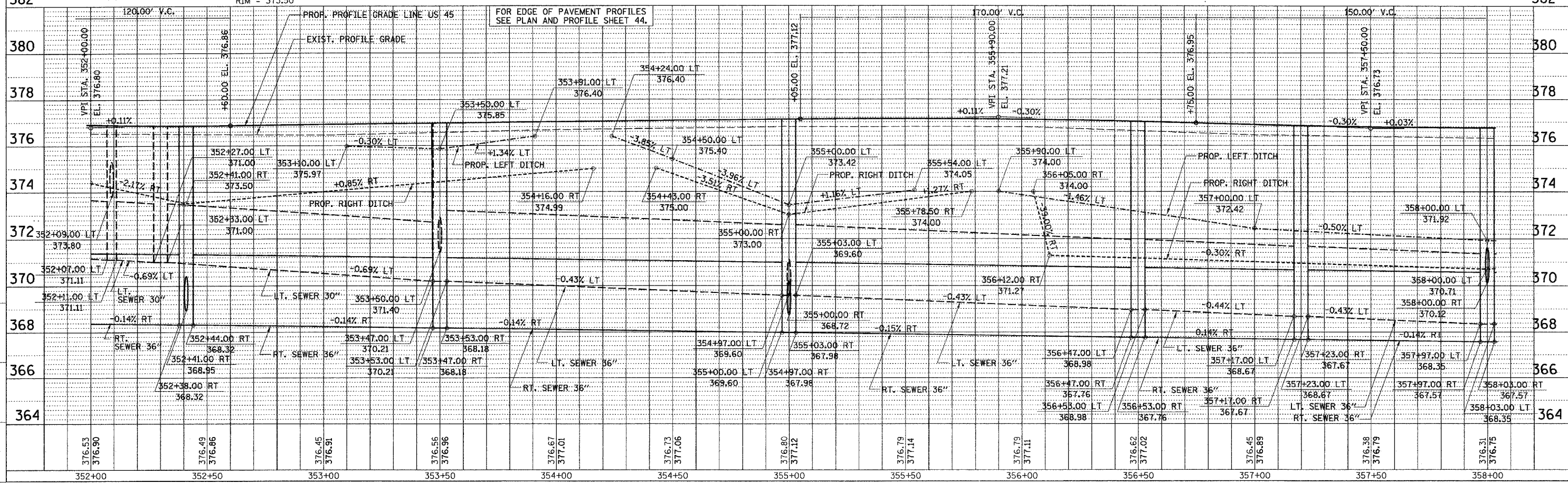
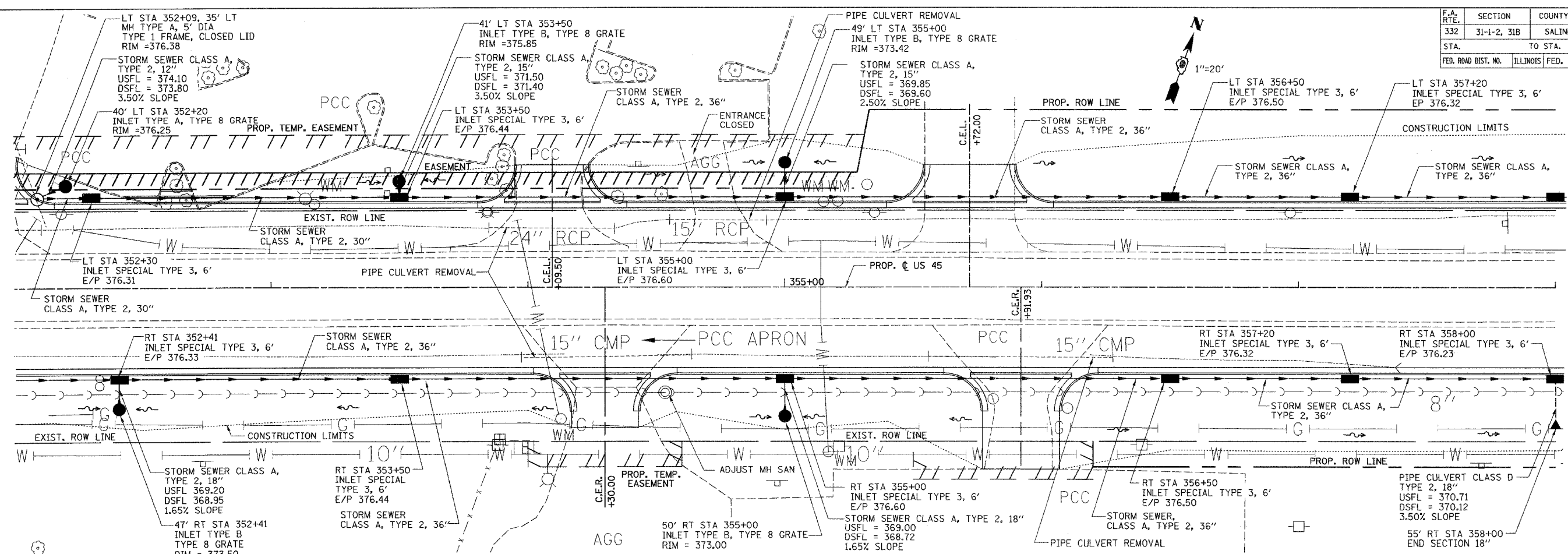


DRAINAGE AND UTILITIES PLAN PROFILE - STA. 346+00 TO STA. 352+00

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 Reference File:

CHECKED BY: M.T.  
 DRAWN BY: J.S.

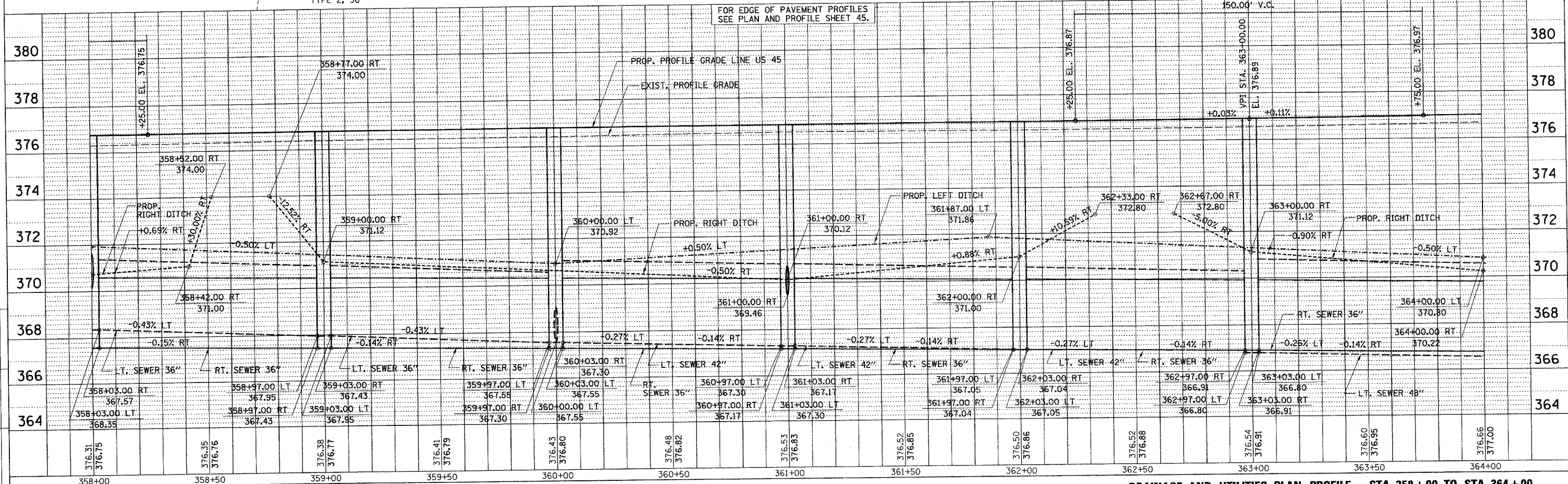
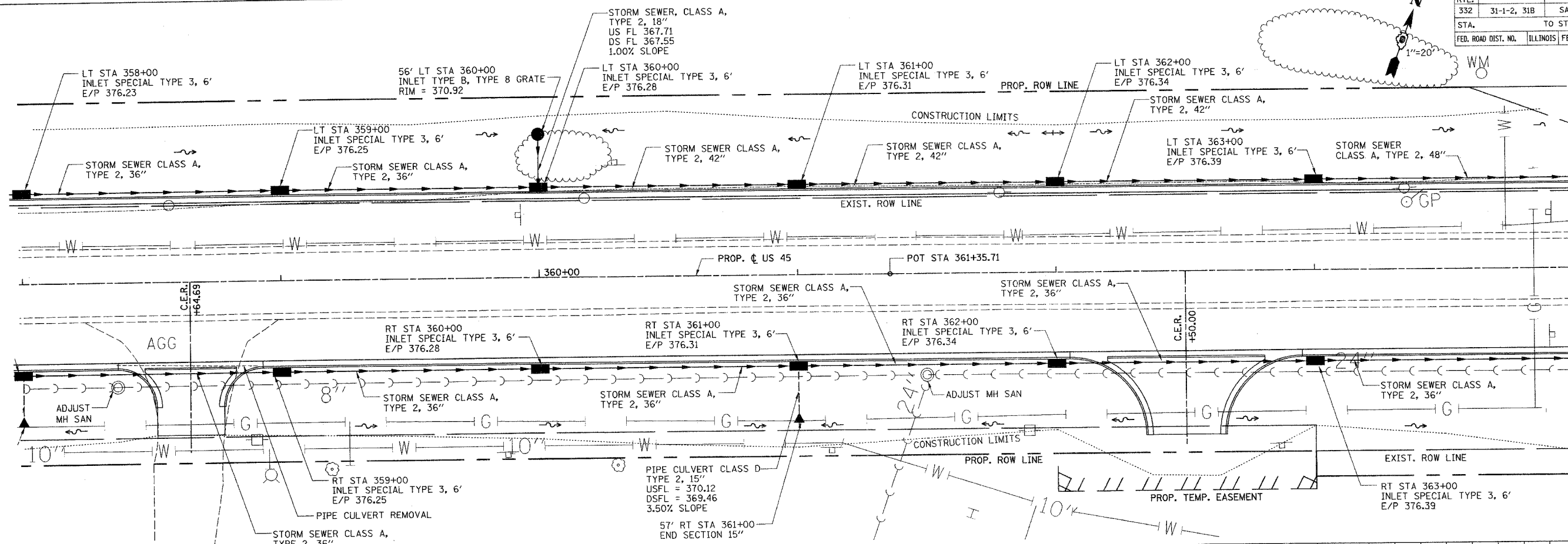
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	57
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



DRAINAGE AND UTILITIES PLAN PROFILE - STA. 352+00 TO STA. 358+00

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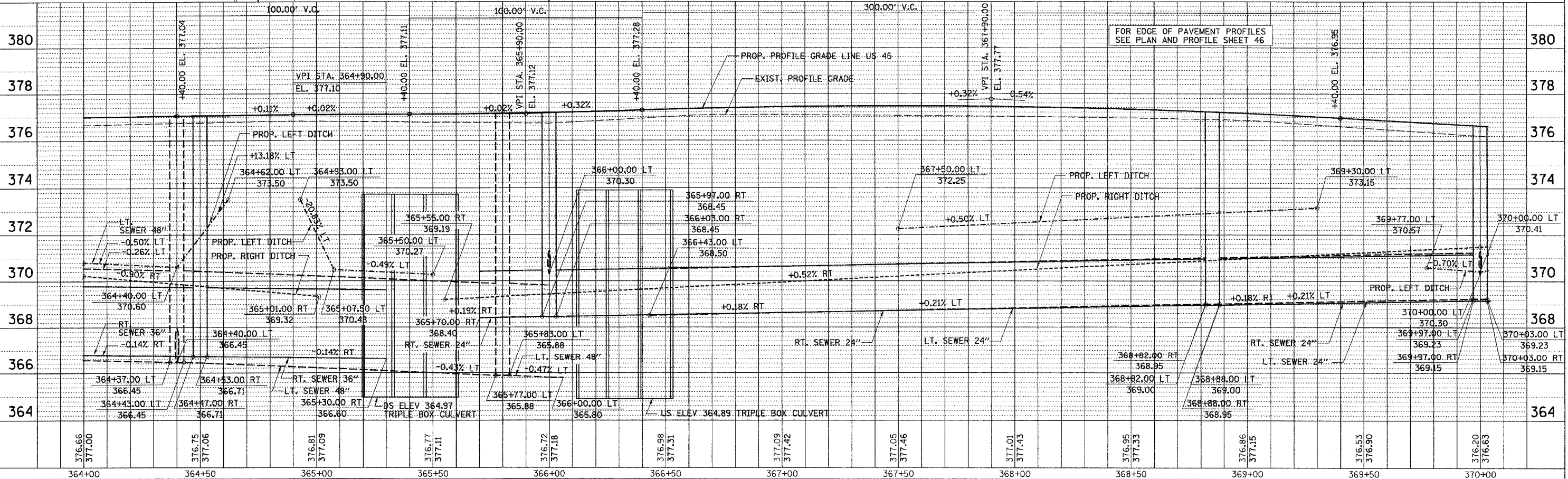
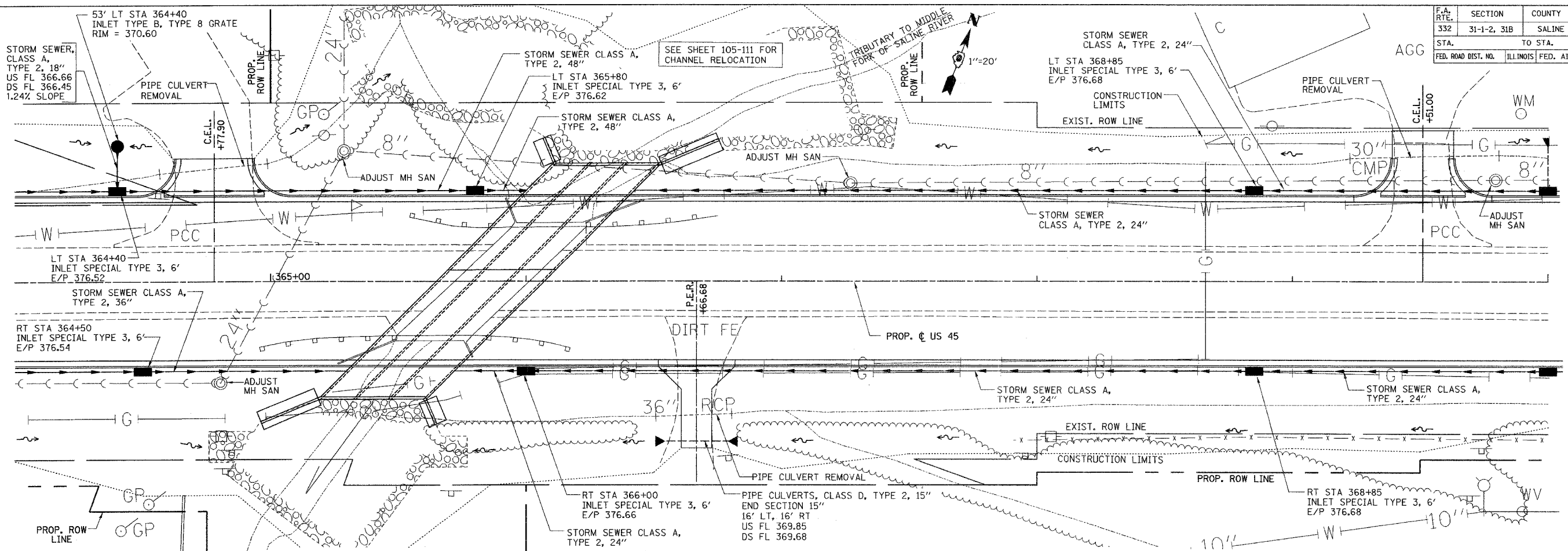
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	58
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



DRAINAGE AND UTILITIES PLAN PROFILE - STA. 358+00 TO STA. 364+00

CHECKED BY: MT  
 DRAWN BY: JS  
 PROJECT: PROPOSED HIGHWAY/ROADWAY CONSTRUCTION  
 ACTIVITY: Plan  
 REFERENCE: Files  
 8/20/04-13:00

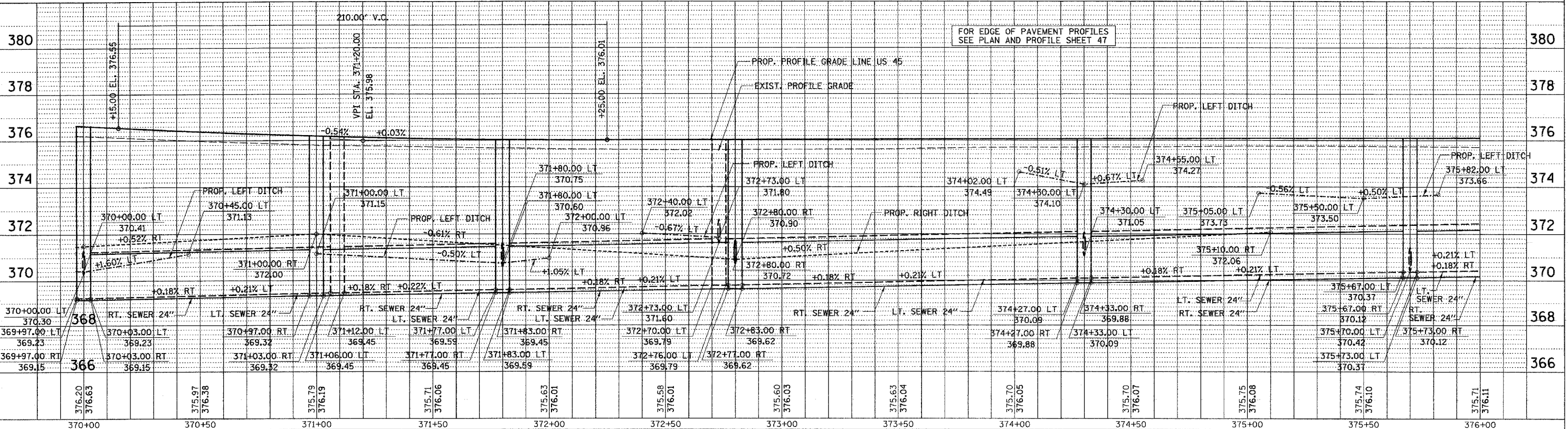
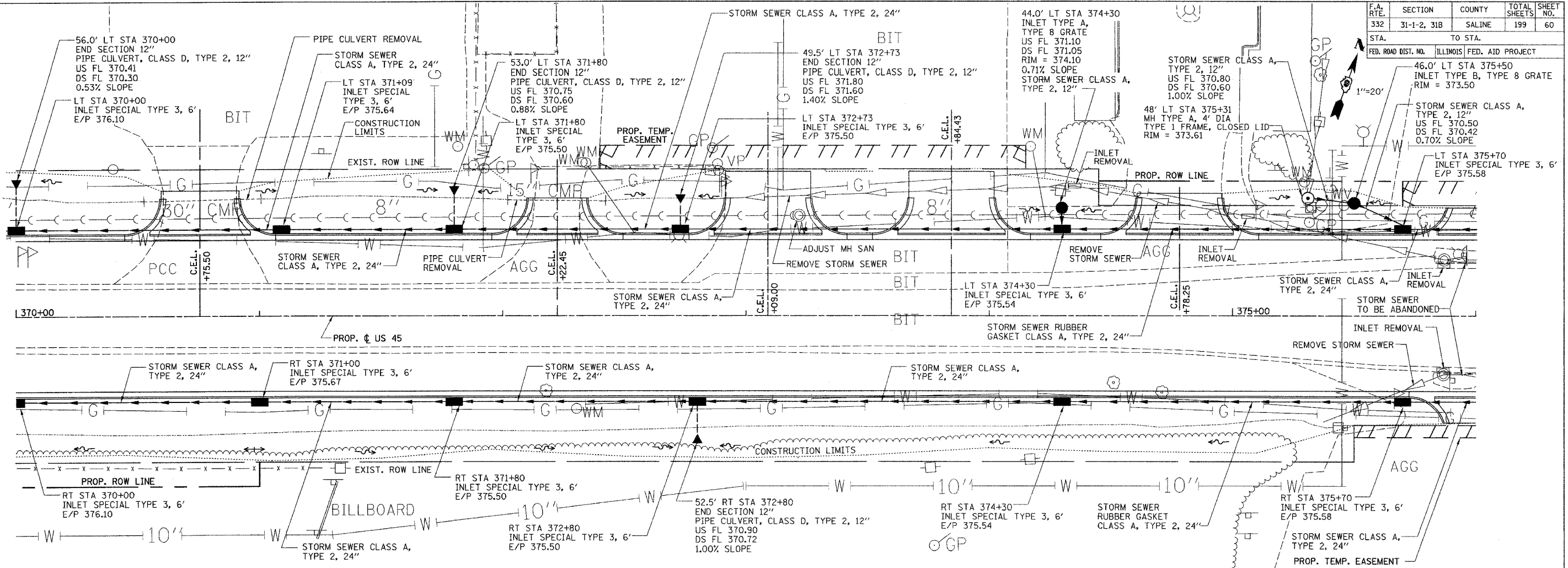
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	59
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**DRAINAGE AND UTILITIES PLAN PROFILE - STA. 364+00 TO STA. 370+00**

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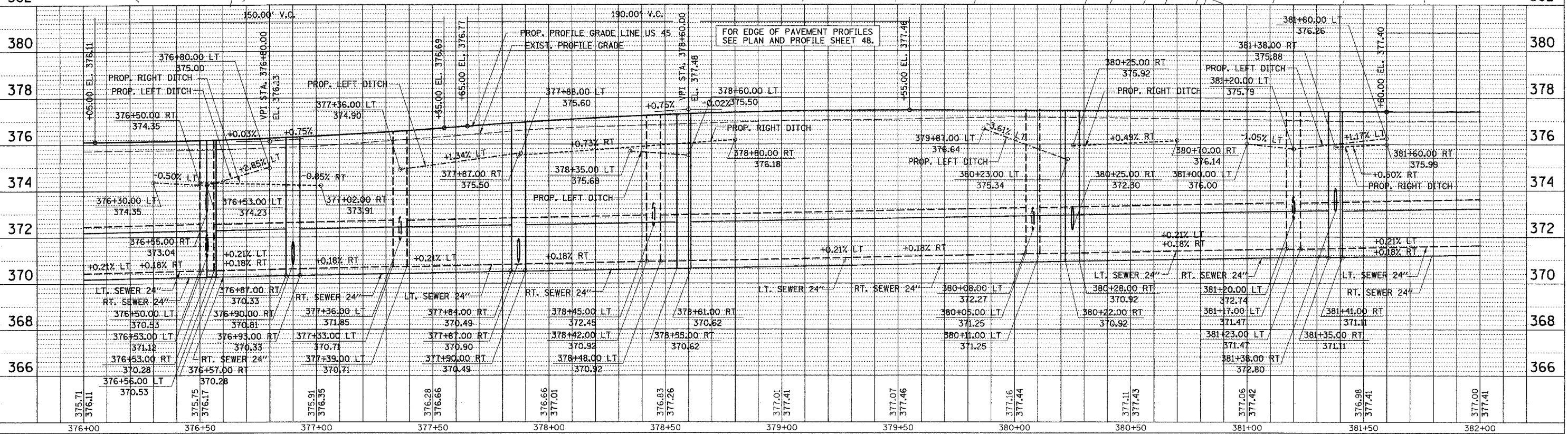
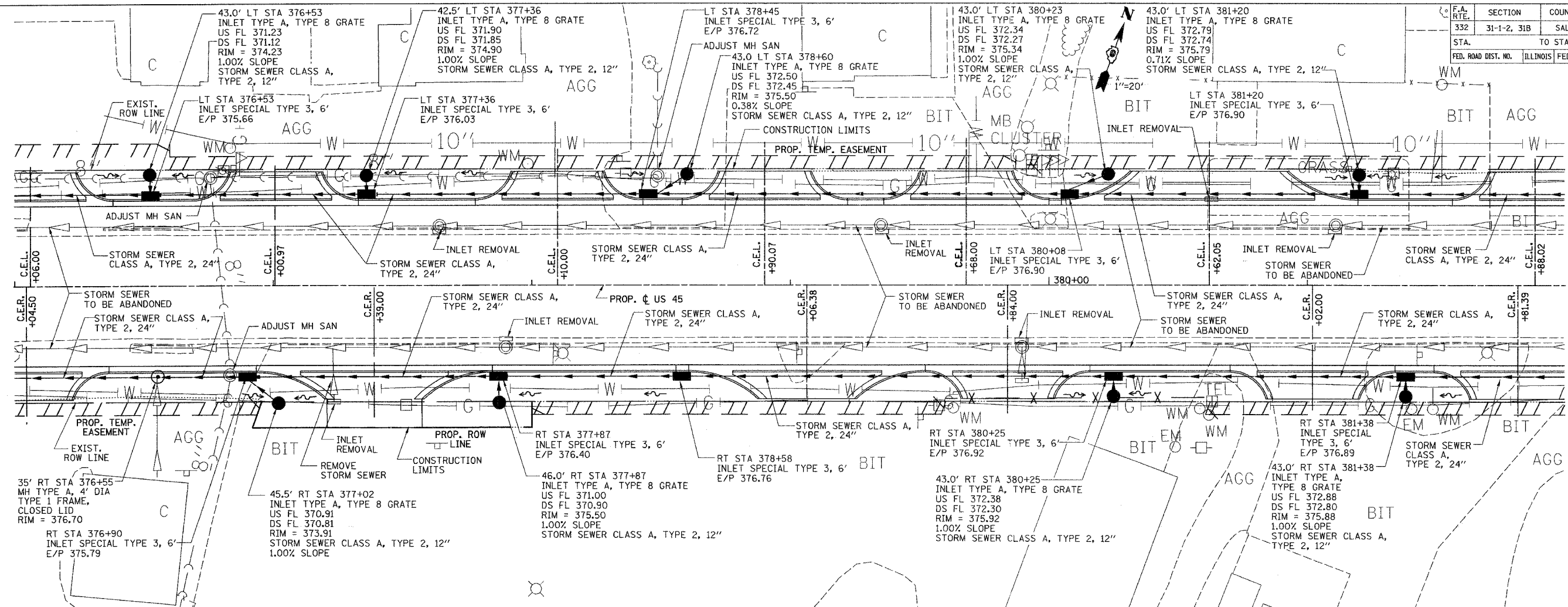
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	60
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.				



DRAINAGE AND UTILITIES PLAN PROFILE - STA. 370+00 TO STA. 376+00

CHECKED BY: [Signature]  
 DRAWN BY: [Signature]  
 PROJECT: [Project Name]  
 DATE: [Date]

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	61
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

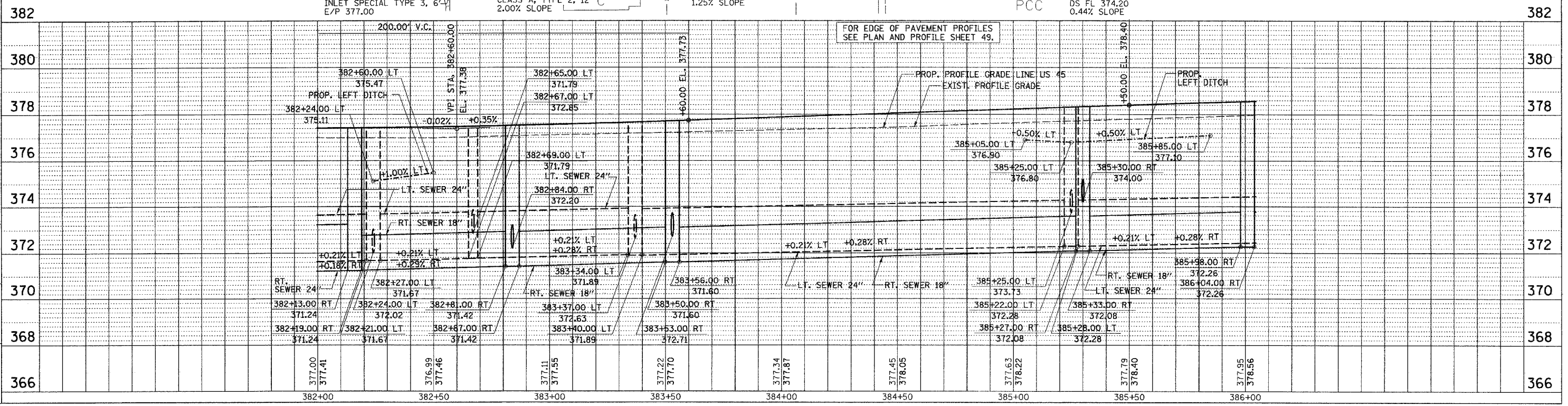
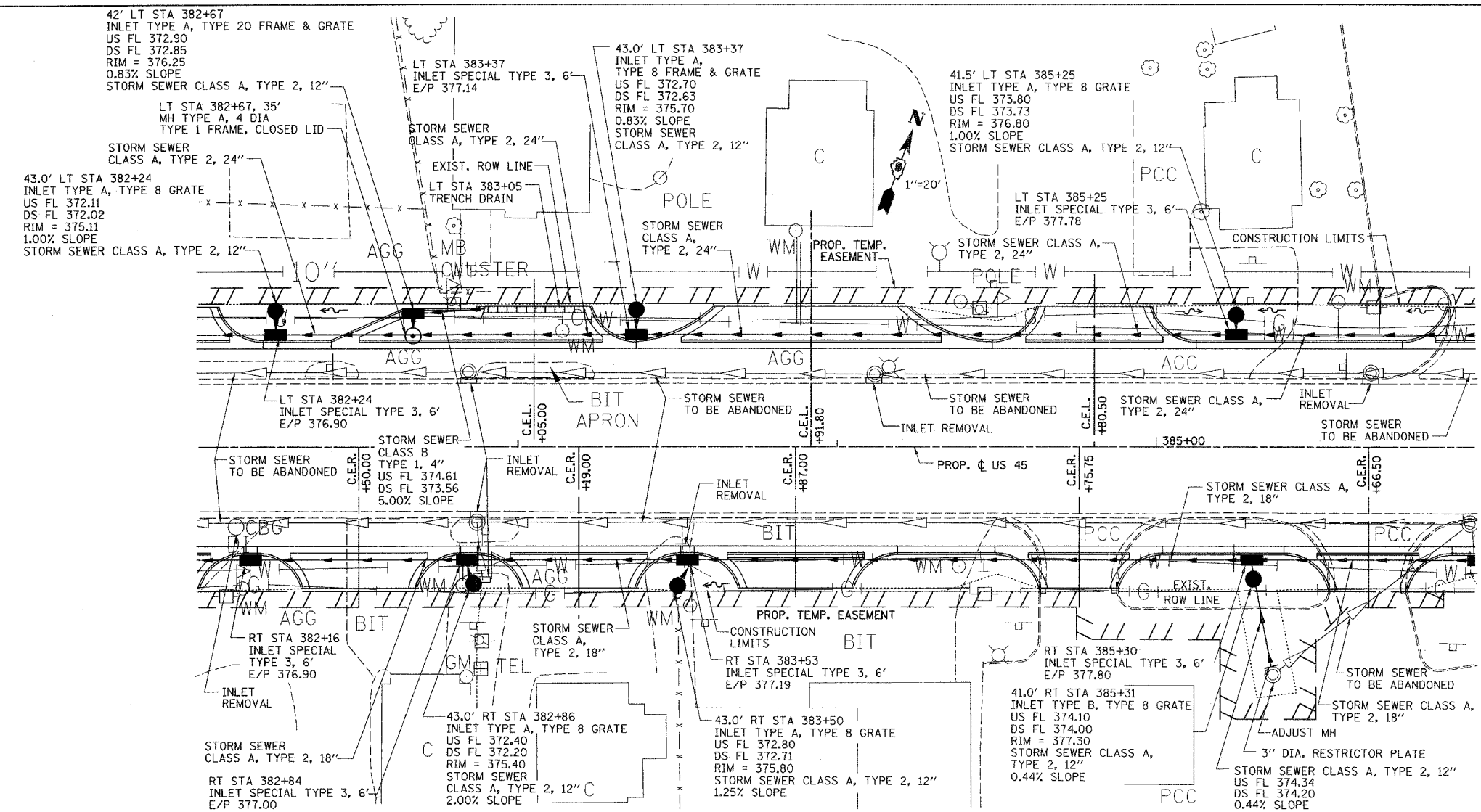


DRAINAGE AND UTILITIES PLAN PROFILE - STA. 376+00 TO STA. 382+00

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	62
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

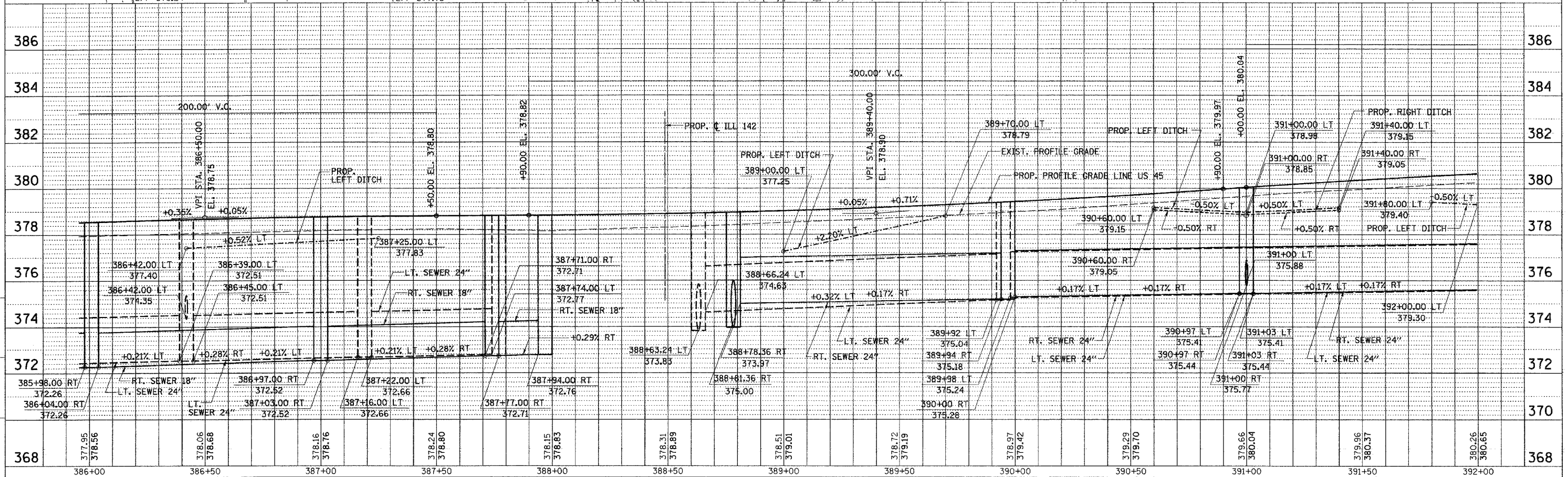
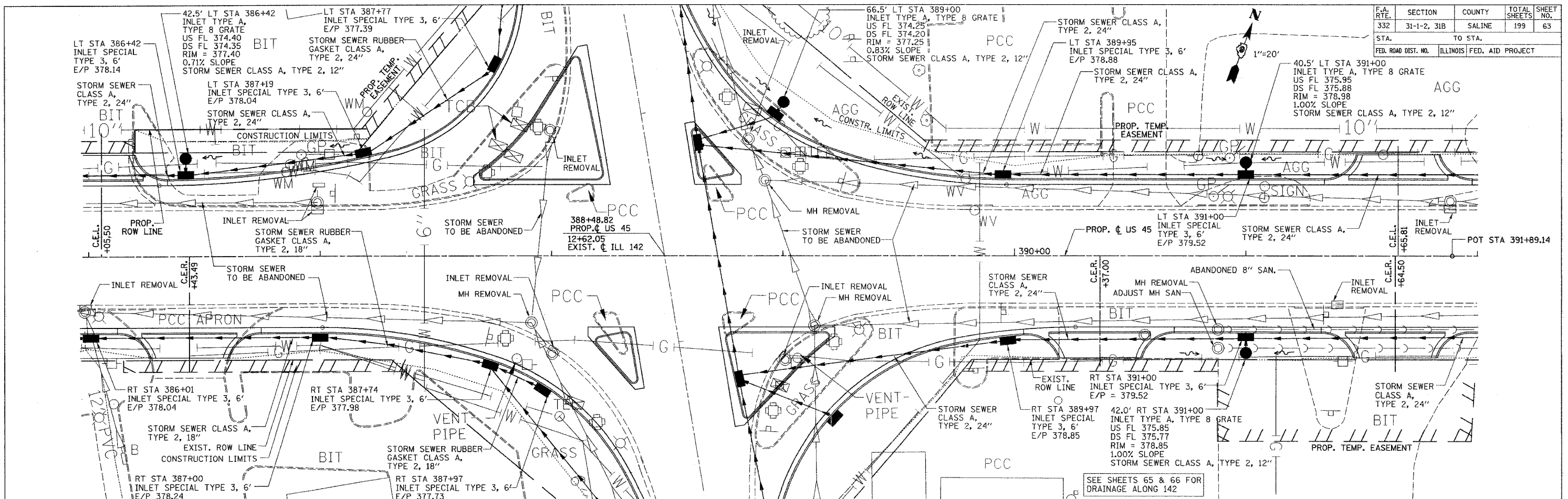


DRAINAGE AND UTILITIES PLAN PROFILE - STA. 382+00 TO STA. 386+00

CHECKED BY: M.L.  
 DRAWN BY: J.S.

PROJECT: PROHIBITIVE ROADWAY/STAIRWAY  
 ACTION: REPAIR  
 DRAWING NO.: 31B-01

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	63
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

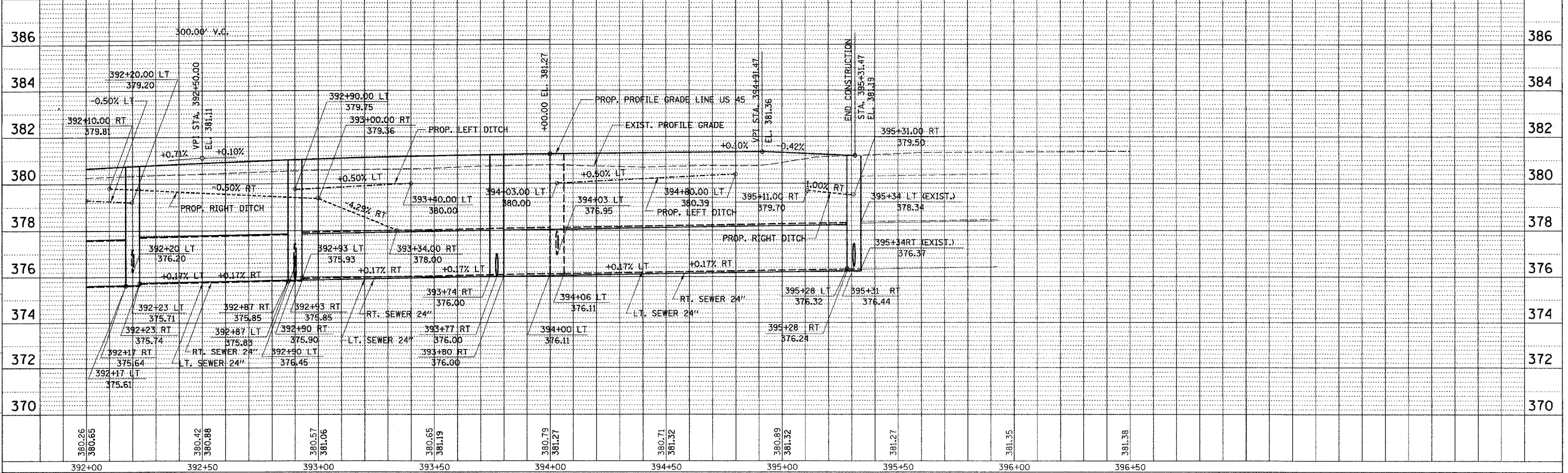
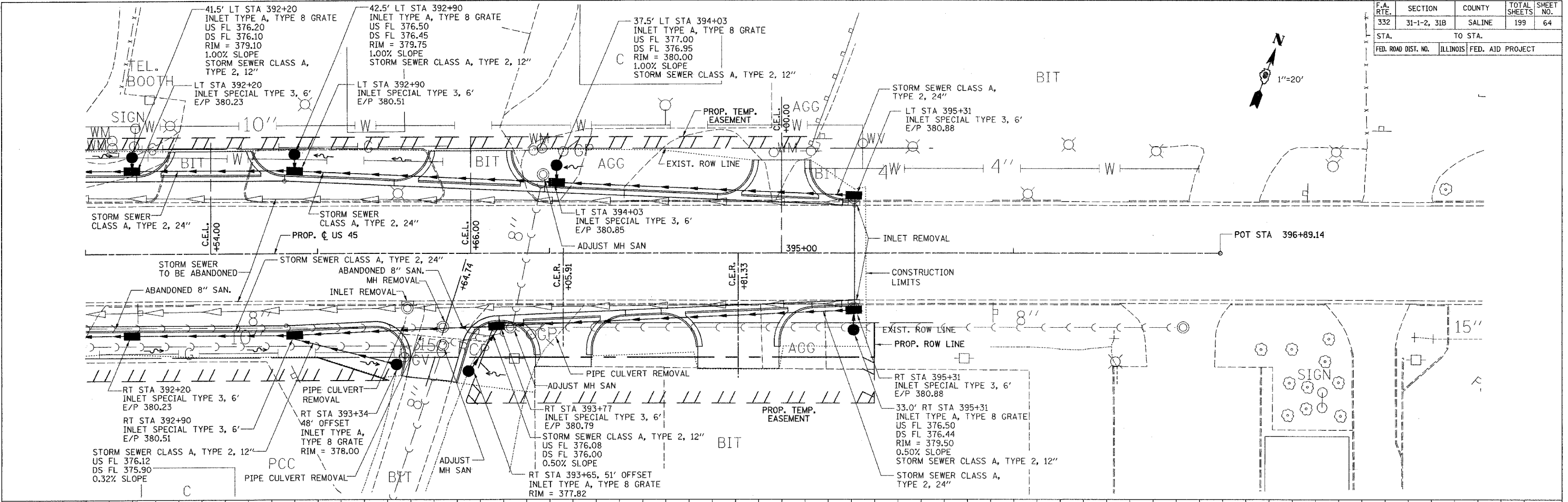
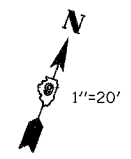


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 Active File  
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**DRAINAGE AND UTILITIES PLAN PROFILE - STA. 386+00 TO STA. 392+00**



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	64
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

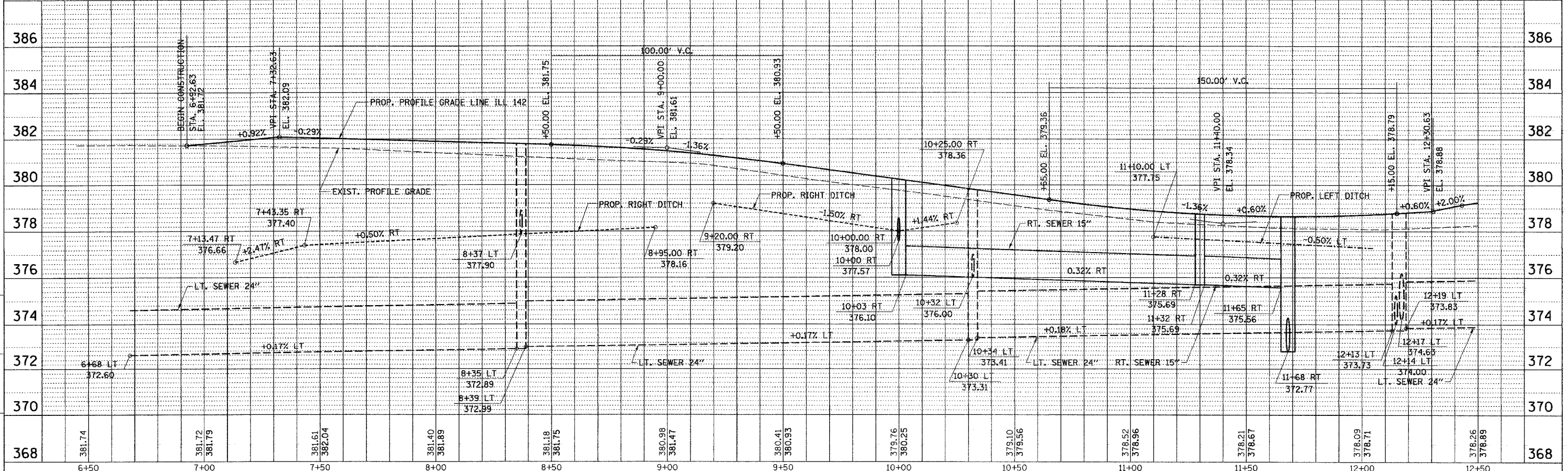
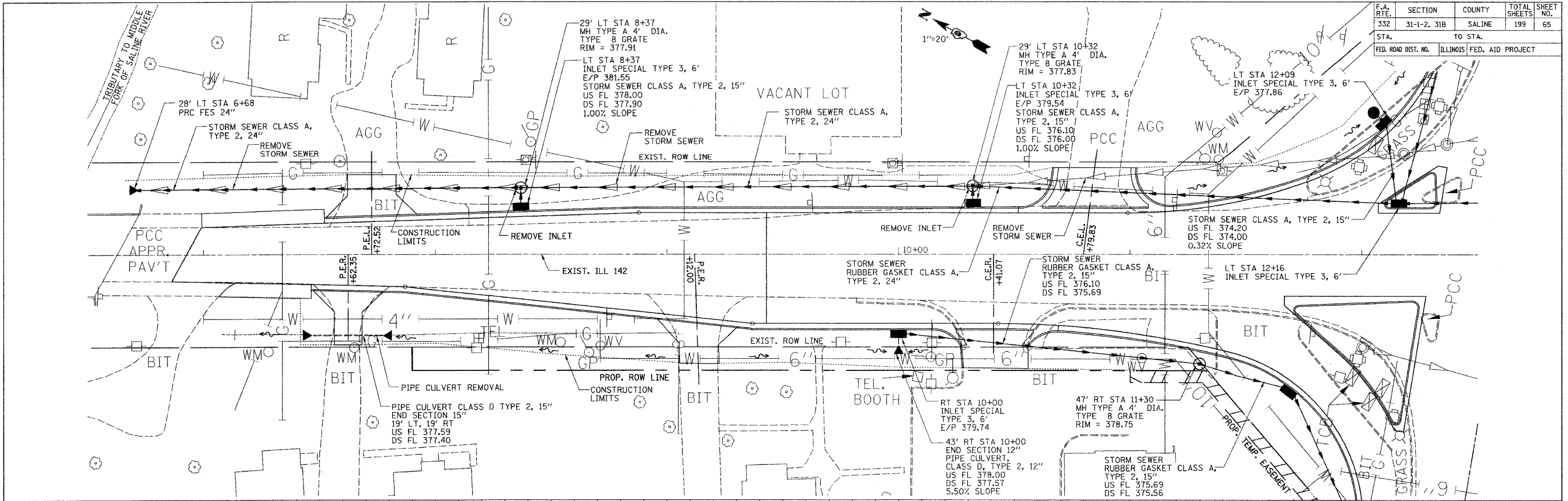


DRAINAGE AND UTILITIES PLAN PROFILE - STA. 392+00 TO STA. 396+89.14

CHECKED BY: J.S.  
DRAWN BY: J.S.

PROJECT: SALINE COUNTY, ILLINOIS  
DATE: 08/20/04

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	65
STA. 6+50 TO STA. 12+50		ILLINOIS FED. AID PROJECT		

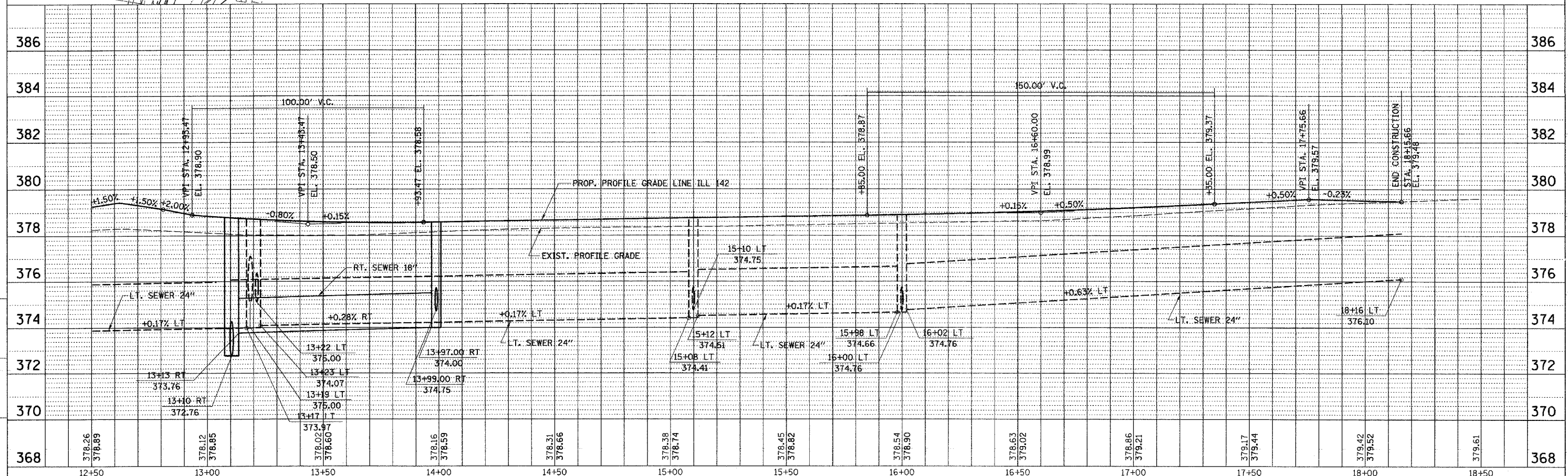
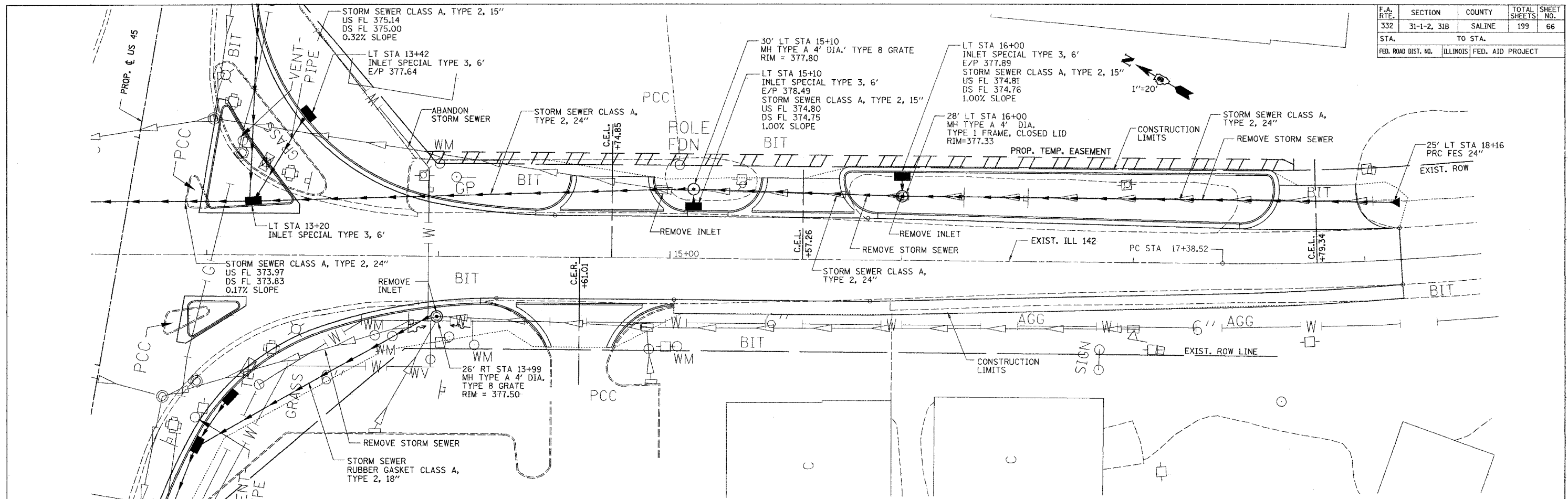


DRAINAGE AND UTILITIES PLAN PROFILE - STA. 6+50 TO STA. 12+50

CHECKED BY: M.L.  
DRAWN BY: J.S.

PROJECT: FERRISSE/ROADWAY/COMMON  
ACTIVE FILE: 8/20/04-12:50P

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	66
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



DRAINAGE AND UTILITIES PLAN PROFILE - STA. 12+50 TO STA. 18+50

CHECKED BY: [Signature]  
DRAWN BY: [Signature]

PROJECT: [Project Name]  
DATE: [Date]

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1 & 42-1	SALINE	199	67
STA. 320+00		TO STA. 350+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NORTHBOUND LANES

STABILITY ANALYSIS  
SOUTH ABUTMENT; 2:1 END SLOPE  
EQ = 0.00 MIN. F.O.S. = 2.95  
EQ = 0.11 MIN. F.O.S. = 2.34

STABILITY ANALYSIS  
NORTH ABUTMENT; 2:1 END SLOPE  
EQ = 0.00 MIN. F.O.S. = 4.28  
EQ = 0.11 MIN. F.O.S. = 3.26

SOILS PROFILE LEGEND

	SANDY CLAY LOAM		SILT CLAY LOAM
	SANDY LOAM		SILT CLAY
	SANDY CLAY		SILT LOAM
	SAND		SILT
	GRAVEL		LOAM
	SHALE		CLAY
	SANDSTONE & LIMESTONE		CLAY LOAM

DRY \_\_\_\_\_ DRY V.W. \_\_\_\_\_ VERY MOIST  
 DA \_\_\_\_\_ DAMP W \_\_\_\_\_ WET  
 M \_\_\_\_\_ MOIST 2% \_\_\_\_\_ % MOISTURE

★ DENOTES SAMPLES ANALYZED BY THE LABORATORY  
 WATER ELEVATION

EXISTING PROFILE

PROPOSED PROFILE

THE SOILS PROFILE IS A REPRESENTATION OF THE PROBABLE CONDITIONS BETWEEN THE BORINGS. THE BORINGS REPRESENT CONDITIONS ONLY AT SPECIFIC LOCATIONS AND EXACTLY WHAT LIES IN BETWEEN IS SUBJECT TO INTERPRETATION AND ENGINEERING JUDGMENT.

SOUTHBOUND LANES

STABILITY ANALYSIS  
SOUTH ABUTMENT; 2:1 END SLOPE  
EQ = 0.00 MIN. F.O.S. = 3.49  
EQ = 0.11 MIN. F.O.S. = 2.90

STABILITY ANALYSIS  
NORTH ABUTMENT; 2:1 END SLOPE  
EQ = 0.00 MIN. F.O.S. = 4.01  
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EXISTING PROFILE

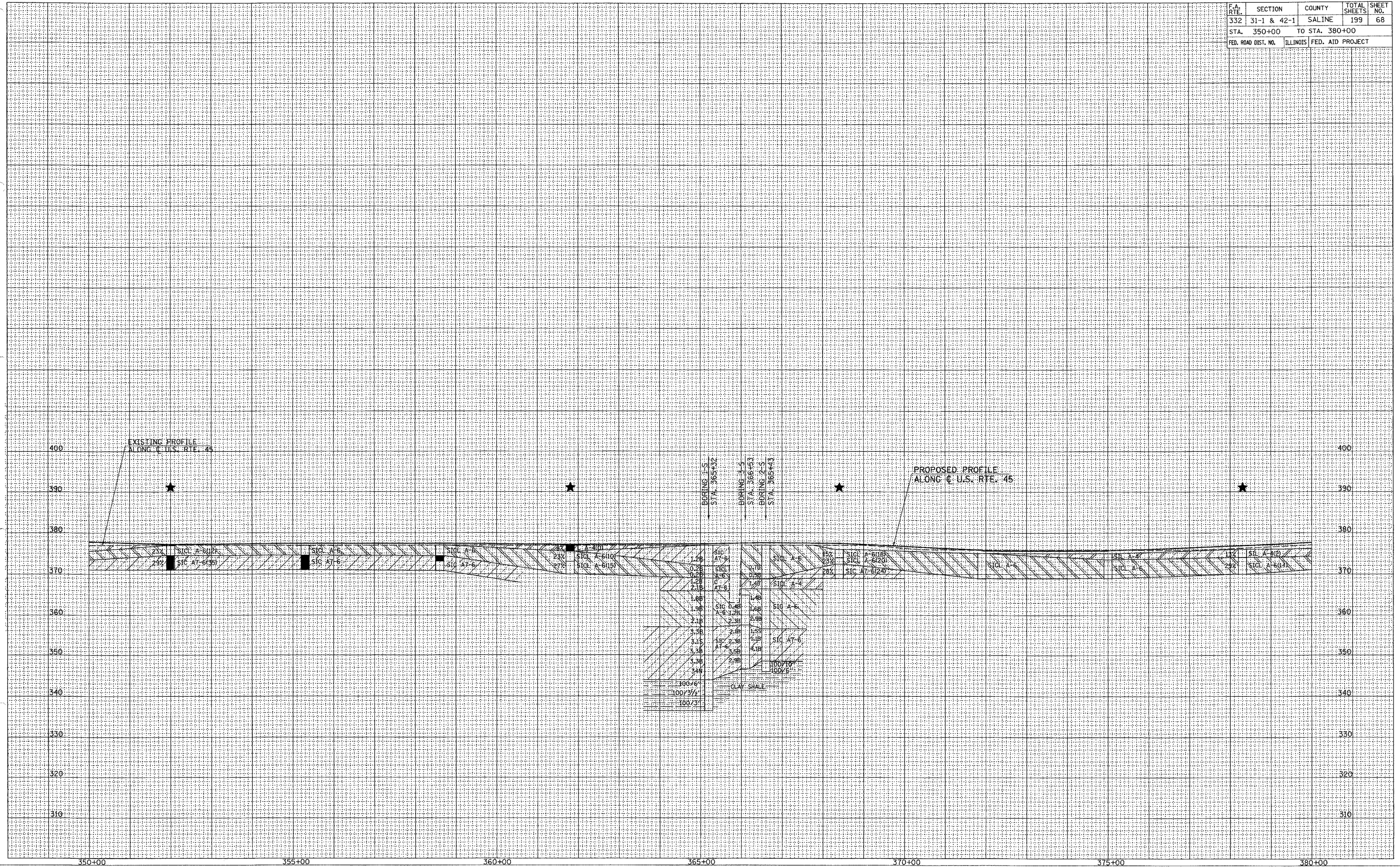
PROPOSED PROFILE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1 & 42-1	SALINE	199	68
STA. 350+00		TO STA. 380+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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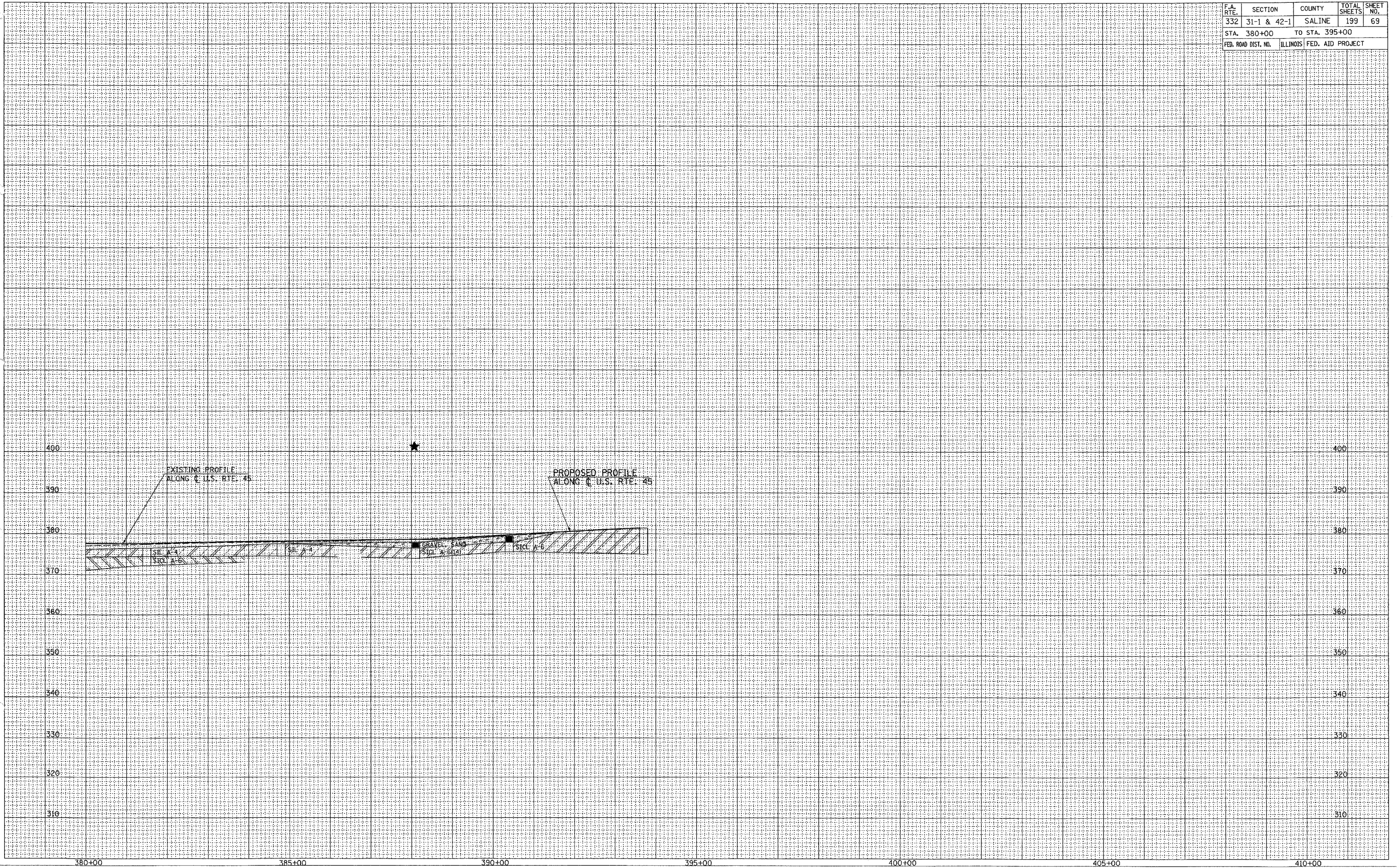


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1 & 42-1	SALINE	199	69
STA. 380+00		TO STA. 395+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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NOTE BOOK NO. \_\_\_\_\_  
DATE \_\_\_\_\_  
AREAS CHECKED \_\_\_\_\_

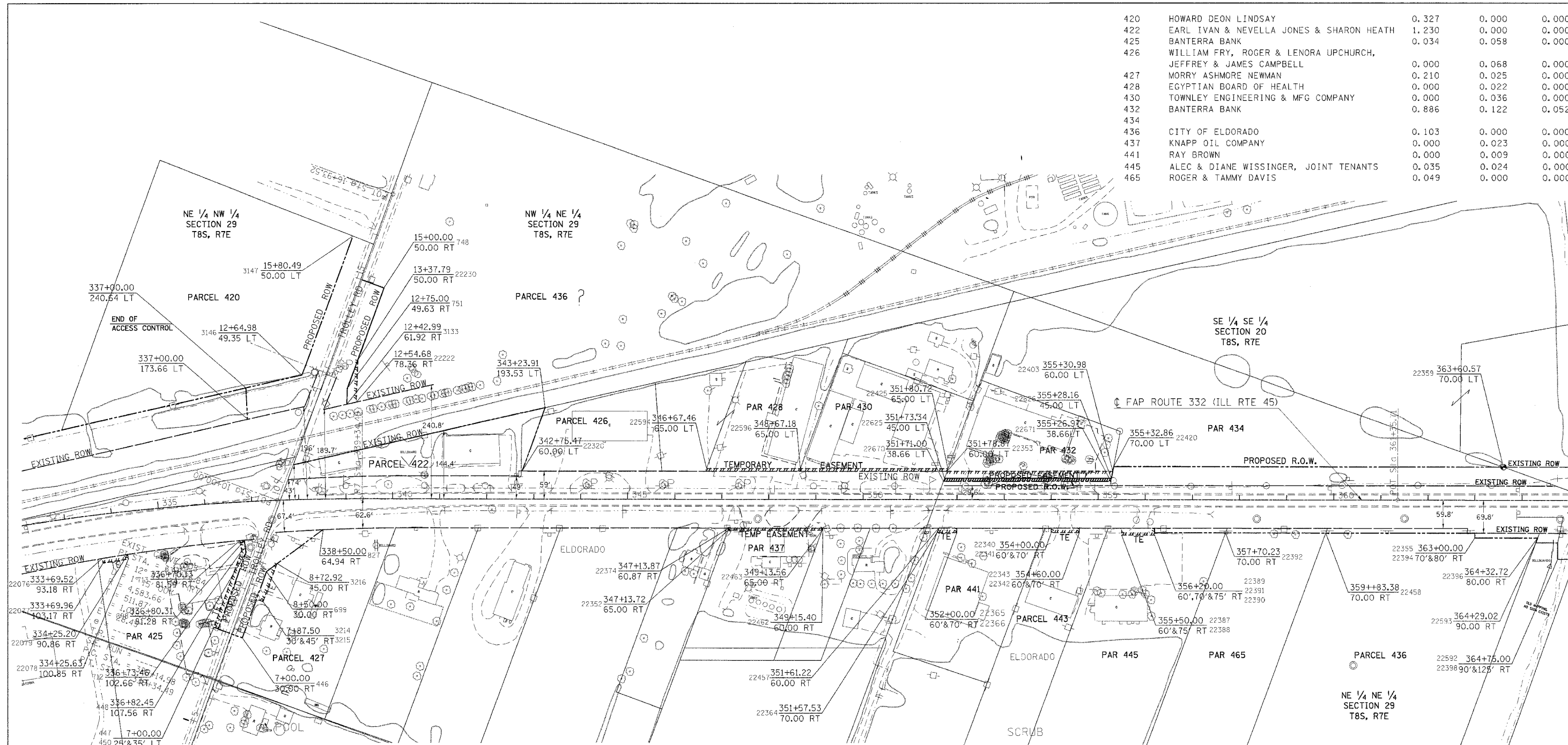
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SURVEY PLOTTED  
NOTE BOOK NO. \_\_\_\_\_  
DATE \_\_\_\_\_  
AREAS CHECKED \_\_\_\_\_



F.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	198	70

PARCEL NO.	NAME	ROW	TE	PE
420	HOWARD DEON LINDSAY	0.327	0.000	0.000
422	EARL IVAN & NEVELLA JONES & SHARON HEATH	1.230	0.000	0.000
425	BANTERRA BANK	0.034	0.058	0.000
426	WILLIAM FRY, ROGER & LENORA UPCHURCH, JEFFREY & JAMES CAMPBELL	0.000	0.068	0.000
427	MORRY ASHMORE NEWMAN	0.210	0.025	0.000
428	EGYPTIAN BOARD OF HEALTH	0.000	0.022	0.000
430	TOWNLEY ENGINEERING & MFG COMPANY	0.000	0.036	0.000
432	BANTERRA BANK	0.886	0.122	0.052
434				
436	CITY OF ELDORADO	0.103	0.000	0.000
437	KNAPP OIL COMPANY	0.000	0.023	0.000
441	RAY BROWN	0.000	0.009	0.000
445	ALEC & DIANE WISSINGER, JOINT TENANTS	0.035	0.024	0.000
465	ROGER & TAMMY DAVIS	0.049	0.000	0.000



POINT COORDINATES

PT 446	N 413257.37	E 948651.28	PT 22079	N 413340.56	E 948360.81	PT 22391	N 414129.94	E 950397.40
PT 447	N 413257.42	E 948596.28	PT 22222	N 413809.10	E 948707.30	PT 22392	N 414181.11	E 950538.65
PT 448	N 413430.42	E 948596.46	PT 22230	N 413894.99	E 948680.02	PT 22394	N 414352.27	E 951040.16
PT 450	N 413257.43	E 948586.28	PT 22320	N 413794.24	E 949088.98	PT 22396	N 414397.56	E 951164.91
PT 699	N 413453.77	E 948584.23	PT 22340	N 414064.41	E 950187.14	PT 22398	N 414369.69	E 951220.01
PT 699	N 413407.37	E 948651.43	PT 22341	N 414055.01	E 950190.55	PT 22403	N 414231.89	E 950267.79
PT 712	N 413431.48	E 948586.46	PT 22342	N 414075.45	E 950246.96	PT 22420	N 414221.85	E 950269.42
PT 713	N 413449.56	E 948575.16	PT 22343	N 414084.85	E 950243.56	PT 22425	N 414107.26	E 949938.40
PT 748	N 414057.20	E 948680.27	PT 22352	N 413825.98	E 949543.59	PT 22457	N 413983.09	E 949962.64
PT 751	N 413830.83	E 948679.54	PT 22353	N 414101.93	E 949938.37	PT 22458	N 414253.70	E 950739.05
PT 827	N 413532.53	E 948732.51	PT 22355	N 414361.67	E 951036.75	PT 22462	N 413899.37	E 949731.52
PT 3133	N 413798.51	E 948689.88	PT 22359	N 414513.93	E 951045.91	PT 22463	N 413894.04	E 949731.49
PT 3146	N 413823.71	E 948579.29	PT 22364	N 413972.43	E 949962.57	PT 22592	N 414402.59	E 951208.07
PT 3147	N 414137.84	E 948580.39	PT 22365	N 413996.30	E 949999.10	PT 22593	N 414386.90	E 951164.84
PT 3214	N 413344.85	E 948666.37	PT 22366	N 413986.90	E 950002.51	PT 22594	N 413932.45	E 949455.83
PT 3215	N 413344.87	E 948651.37	PT 22374	N 413831.31	E 949543.63	PT 22596	N 414000.47	E 949643.60
PT 3216	N 413430.27	E 948666.46	PT 22387	N 414115.50	E 950320.18	PT 22625	N 414085.94	E 949938.27
PT 22076	N 413314.03	E 948313.07	PT 22388	N 414101.40	E 950333.28	PT 22626	N 414206.79	E 950271.88
PT 22077	N 413305.32	E 948317.99	PT 22389	N 414139.34	E 950353.99	PT 22670	N 414079.18	E 949938.23
PT 22078	N 413331.78	E 948365.61	PT 22390	N 414125.24	E 950399.10	PT 22671	N 414200.42	E 950272.92

RIGHT OF WAY PLANS  
FAP ROUTE 332

PROJECT NON-FA SECTION 31-1-1

STATION 335+00 TO

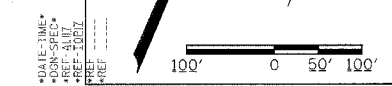
STATION 391+89.14

COUNTY SALINE

SCALE 1"=100' SHEET 2 OF 3

JOB NO.: B-99-111-00

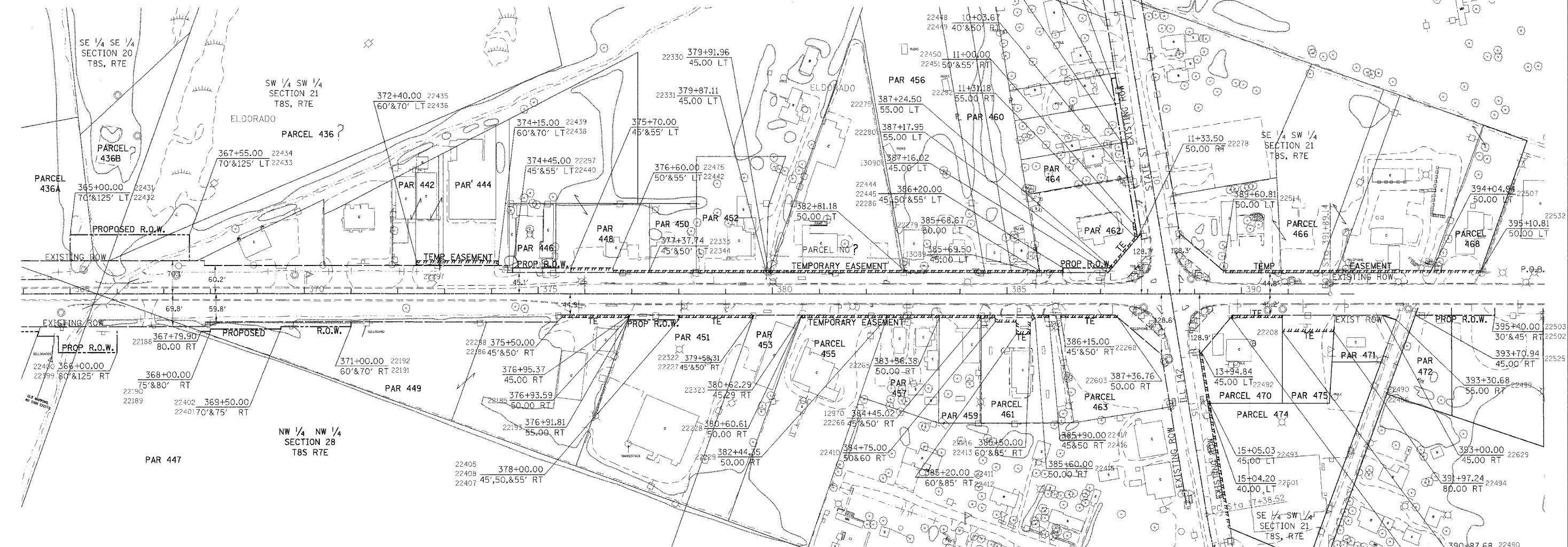
DATE \_\_\_\_\_  
REVISED BY \_\_\_\_\_  
DATE \_\_\_\_\_  
DRAWN BY \_\_\_\_\_



PARCEL NO.	NAME	ROW	TE	PE	PARCEL NO.	NAME	ROW	TE	PE	PARCEL NO.	NAME	ROW	TE	PE
436A	JONES, ET. AL.	0.061	0.000	0.000	459	JIMMY DEAN LAMPERT	0.000	0.010	0.000	466	FIRST BANK OF ELDORADO	0.000	0.028	0.000
436B	CITY OF ELDORADO	0.055	0.000	0.000	460	MAQBOOL AHMAD	0.000	0.013	0.000	468	L. RUSSELL CORPORATION	0.000	0.035	0.000
438	BOB K. MURRAY	0.055	0.000	0.000	461	HARDEE'S FOOD SYSTEMS, INC	0.000	0.052	0.000	470	MB PROPERTIES-HUCK'S FOOD & FUEL STORE 197	0.000	0.012	0.000
442	CECIL UZZLE	0.000	0.013	0.000	462	JEFFREY CAIN	0.000	0.019	0.000	471	MB PROPERTIES-MEDICAP PHARMACY	0.004	0.031	0.000
444	RICHARD & DIANNA UZZLE	0.000	0.027	0.000	463	GOLDEN ARCH LTD PARTNERSHIP	0.000	0.006	0.000	472	PARTNERS IN ELDORADO INC.	0.012	0.000	0.000
446	SHARON S. BOGCESS	0.021	0.000	0.000	464A	FETCHO	0.017	0.000	0.000	473	ELDORADO OFFICE, L.C.C.	0.031	0.000	0.000
447	WILLIAM AND LAVERNE FRY & MARY RODGERS, JOINT TENANTS	0.082	0.000	0.000	464	FETCHO	0.037	0.000	0.000	474	MB PROPERTIES-BIG JOHN'S SUPERSTORE	0.000	0.035	0.000
448	LEON & JANET RUSSELL	0.028	0.009	0.000						475	MB PROPERTIES-COMMON ACCESS AREA	0.000	0.089	0.000
449	DANIEL CUMMINS & DAVID NAAS	0.094	0.017	0.000										
450	ELIZABETH A. COOLEY	0.000	0.011	0.000										
451	SHERRILL L. CANTRELL	0.024	0.018	0.000										
452	W.J. & MARGARET MILLS	0.000	0.017	0.000										
453	DON EWAN	0.000	0.012	0.000										
455	ROBERT & JUDITH STEINBROOK	0.000	0.021	0.000										
456	ELDORADO ENTERPRISES, INC	0.000	0.053	0.000										
457	LEO & BILLIE BOGCESS	0.000	0.013	0.000										

REVISED BY DATE

DRAWN BY DATE



**POINT COORDINATES**

PT 12970 N 415117.19 E 953044.49	PT 22282 N 415384.38 E 953296.57	PT 22416 N 415161.96 E 953182.45	PT 22492 N 415203.60 E 953512.99
PT 13089 N 415244.26 E 953130.76	PT 22286 N 415270.89 E 953174.82	PT 22417 N 415166.66 E 953180.74	PT 22493 N 415107.57 E 953567.01
PT 13090 N 415294.22 E 953268.37	PT 22297 N 414860.51 E 952073.76	PT 22431 N 414561.52 E 951176.97	PT 22494 N 415340.99 E 953763.47
PT 22185 N 414856.05 E 952339.85	PT 22298 N 414811.74 E 952203.17	PT 22432 N 414613.21 E 951158.20	PT 22499 N 415410.02 E 953880.37
PT 22186 N 414807.04 E 952204.88	PT 22322 N 414951.69 E 952588.64	PT 22433 N 414700.24 E 951397.89	PT 22502 N 415490.86 E 954073.71
PT 22188 N 414516.04 E 951491.25	PT 22323 N 414986.61 E 952684.81	PT 22434 N 414648.54 E 951416.66	PT 22503 N 415504.96 E 954068.59
PT 22189 N 414522.90 E 951510.15	PT 22330 N 415047.17 E 952587.89	PT 22435 N 414804.65 E 951875.95	PT 22507 N 415534.06 E 953914.34
PT 22190 N 414527.60 E 951508.44	PT 22331 N 415045.51 E 952583.33	PT 22436 N 414814.05 E 951872.54	PT 22514 N 415382.50 E 953496.87
PT 22191 N 414634.68 E 951788.72	PT 22333 N 414960.41 E 952348.93	PT 22438 N 414873.77 E 952037.04	PT 22516 N 415563.33 E 953201.65
PT 22192 N 414644.08 E 951785.31	PT 22344 N 414965.11 E 952347.22	PT 22439 N 414864.37 E 952040.45	PT 22517 N 415568.24 E 953210.36
PT 22193 N 414850.74 E 952339.89	PT 22399 N 414412.35 E 951337.51	PT 22440 N 414869.91 E 952070.35	PT 22522 N 415684.20 E 953133.66
PT 22201 N 415300.30 E 953548.84	PT 22400 N 414454.65 E 951322.15	PT 22442 N 414943.28 E 952272.45	PT 22523 N 415689.10 E 953142.38
PT 22226 N 415242.80 E 953564.19	PT 22401 N 414578.79 E 951649.43	PT 22444 N 415261.49 E 953178.23	PT 22525 N 415433.16 E 953914.80
PT 22227 N 414946.39 E 952588.69	PT 22402 N 414583.49 E 951647.73	PT 22445 N 415266.19 E 953176.52	PT 22532 N 415570.19 E 954013.85
PT 22228 N 414981.30 E 952684.84	PT 22403 N 414897.06 E 952438.17	PT 22448 N 415502.87 E 953247.13	PT 22539 N 414877.89 E 953696.67
PT 22229 N 415044.00 E 952857.55	PT 22407 N 414887.66 E 952441.58	PT 22449 N 415497.97 E 953238.41	PT 22601 N 415105.84 E 953562.25
PT 22265 N 415082.23 E 952962.86	PT 22408 N 414892.36 E 952439.88	PT 22450 N 415414.01 E 953285.64	PT 22603 N 415212.04 E 953320.40
PT 22268 N 415170.49 E 953205.95	PT 22410 N 415113.31 E 953077.77	PT 22451 N 415411.56 E 953281.28	PT 22629 N 415408.95 E 953848.12
PT 22275 N 415306.56 E 953273.05	PT 22411 N 415128.67 E 953120.06	PT 22475 N 414933.88 E 952275.96	PT 22679 N 415641.78 E 953168.00
PT 22278 N 415384.81 E 953302.07	PT 22412 N 415105.17 E 953128.60	PT 22486 N 415303.60 E 953660.49	PT 22680 N 415636.88 E 953160.28
PT 22279 N 415248.68 E 953128.27	PT 22413 N 415115.41 E 953156.80	PT 22490 N 415331.80 E 953650.25	
PT 22280 N 415304.32 E 953266.89	PT 22415 N 415151.72 E 953154.25	PT 22491 N 415294.15 E 953546.57	

**RIGHT OF WAY PLANS**  
**EAP ROUTE 332**

PROJECT NON-EA SECTION 31-1-1

STATION 335+00 TO

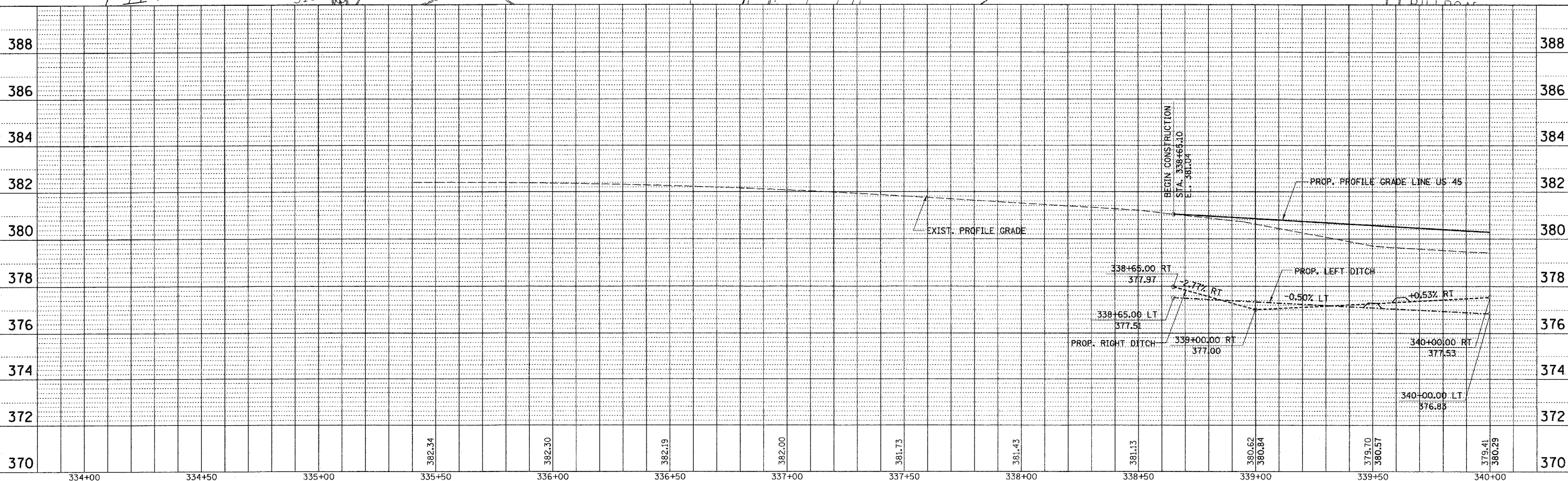
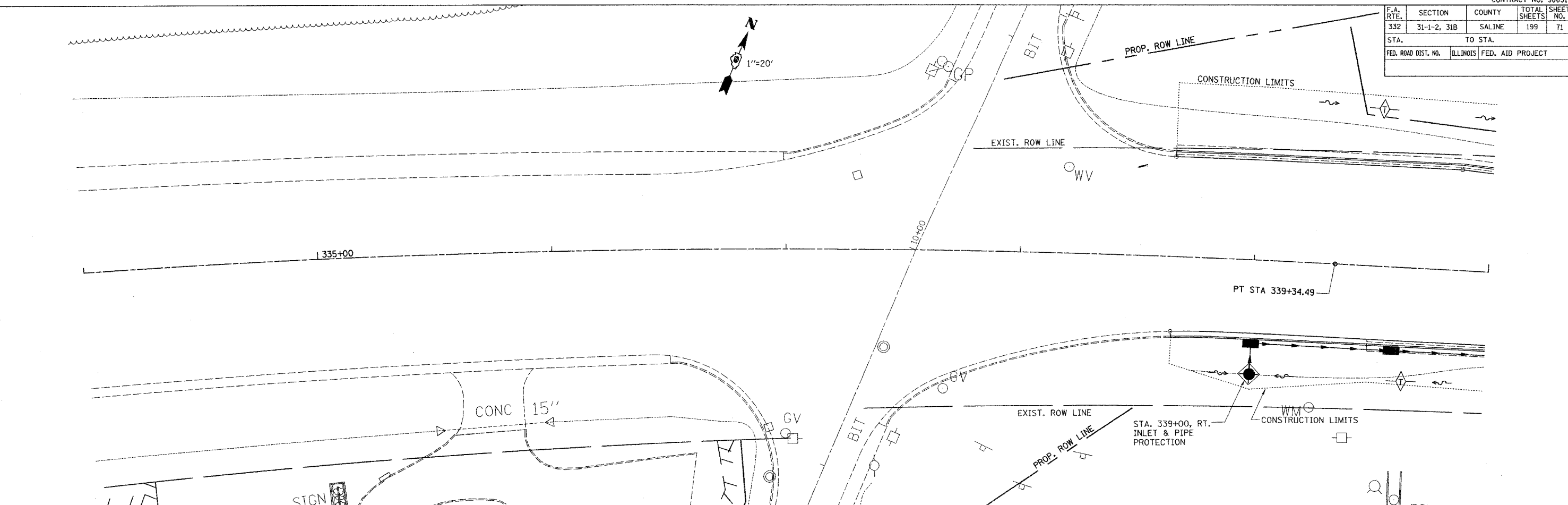
STATION 391+89.14

COUNTY SALINE

SCALE 1"=100' SHEET 3 OF 3



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	71
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

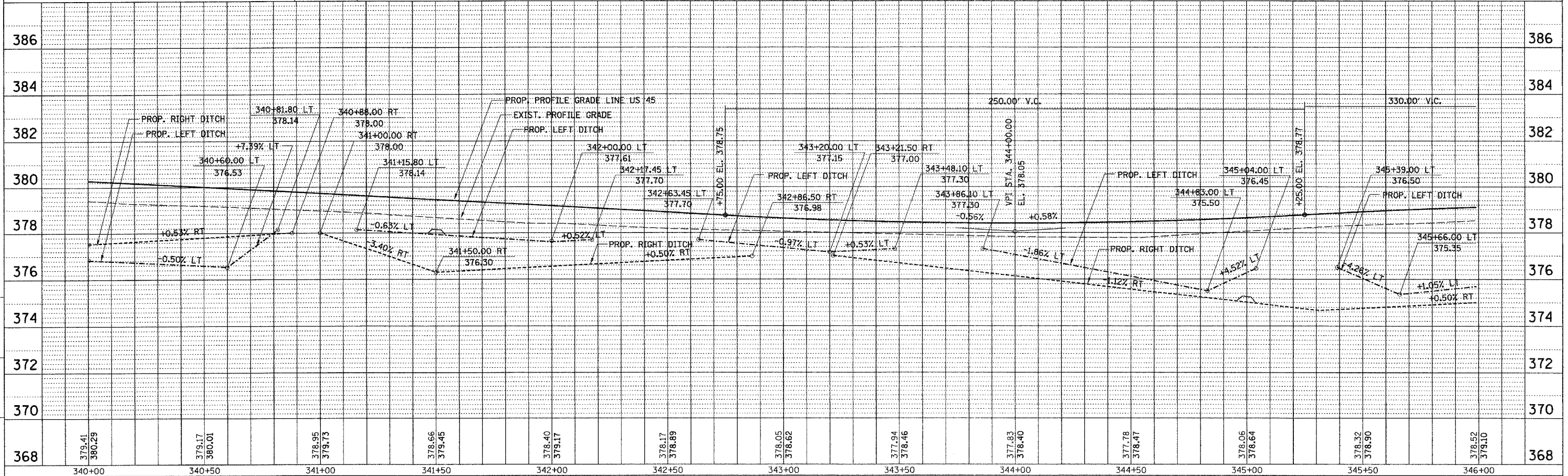
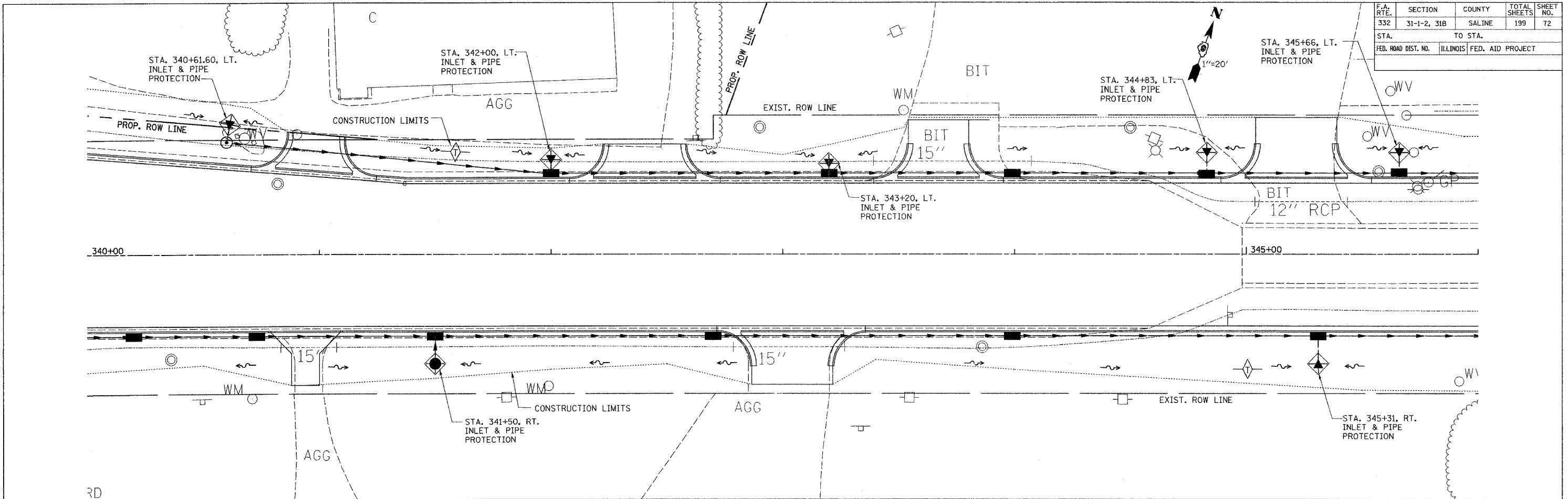


TEMPORARY EROSION CONTROL PLAN - STA. 334 + 00 TO STA. 340 + 00

CHECKED BY: M.T.  
DRAWN BY: S.K.

M:\PROJECTS\PROJECTS\ROADWAY\COMMON\Active Files  
Reference Files  
2020-04-13.dgn

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	72
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

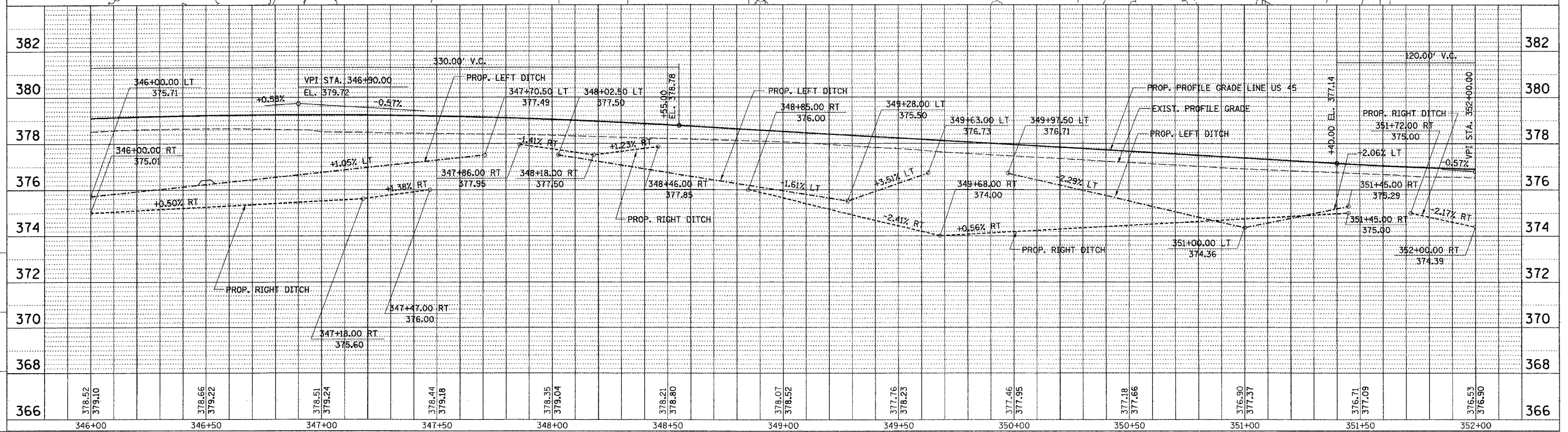
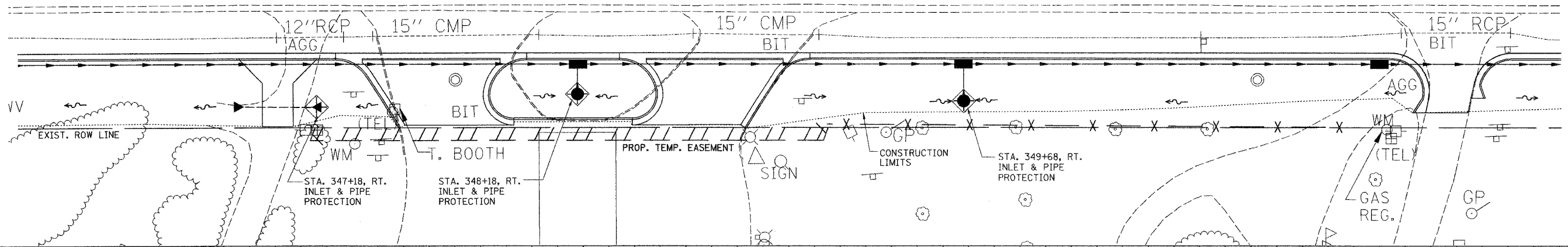
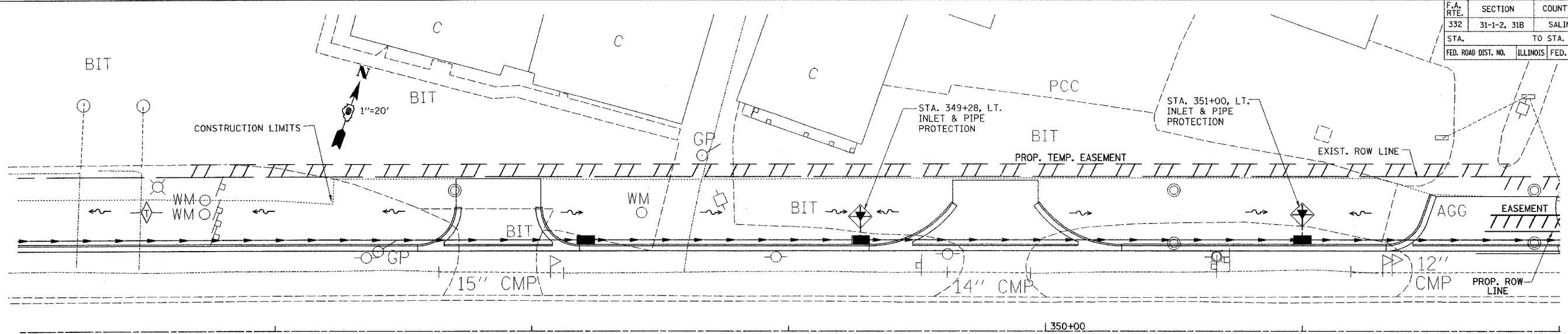


CHECKED BY: MT  
DRAWN BY: JS

Mr. PROJECTS/REGULATIONS/ROADWAY/COMMON  
Active File:  
98631-001

TEMPORARY EROSION CONTROL PLAN - STA. 340+00 TO STA. 346+00

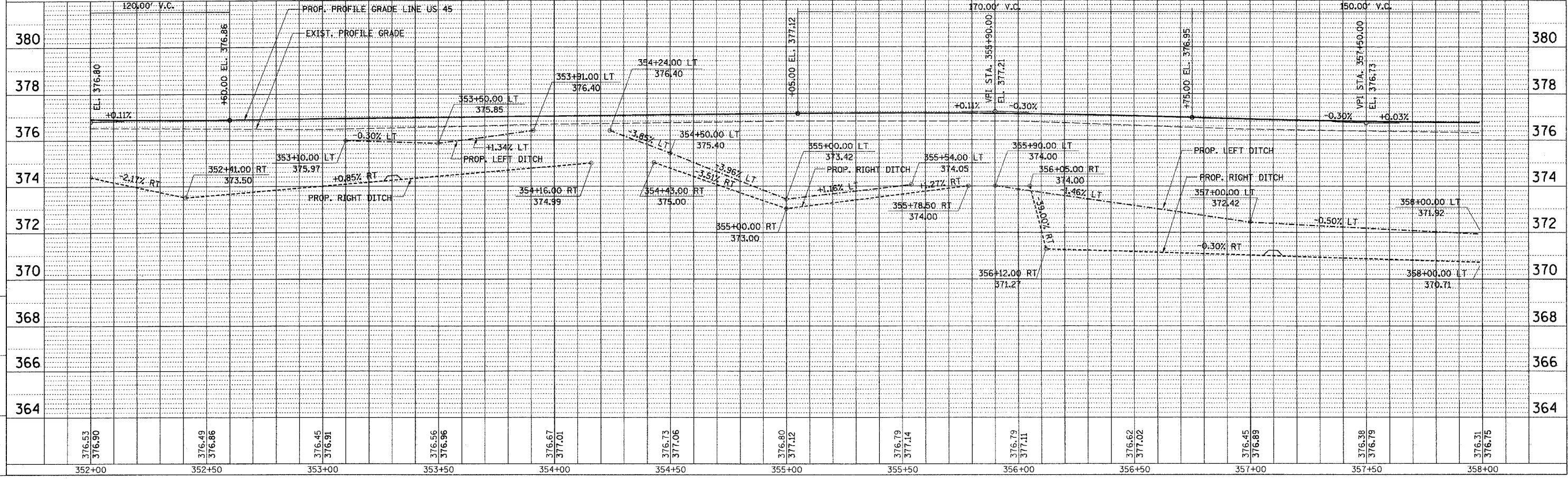
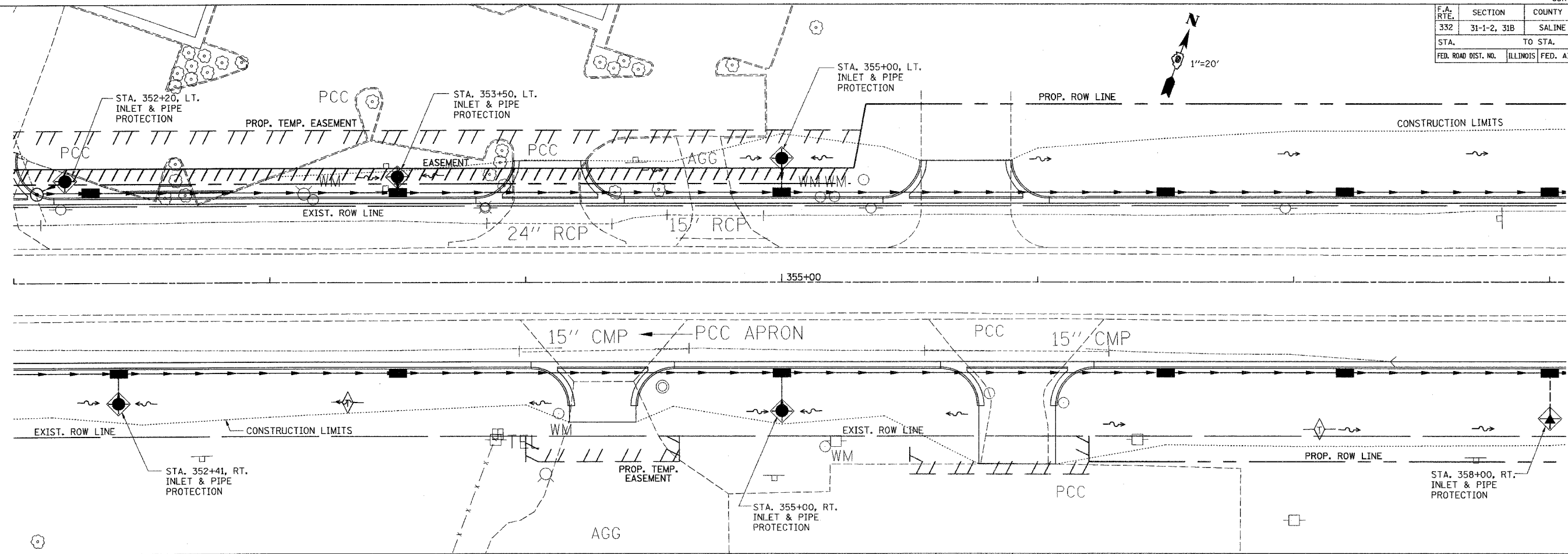
CONTRACT NO. 98631				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	73
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



M:\PROJECTS\PROJ\352\ROADWAY\COMMON\References Files  
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 DRAWN BY: JAT  
 CHECKED BY: JAT

TEMPORARY EROSION CONTROL PLAN - STA. 346+00 TO STA. 352+00

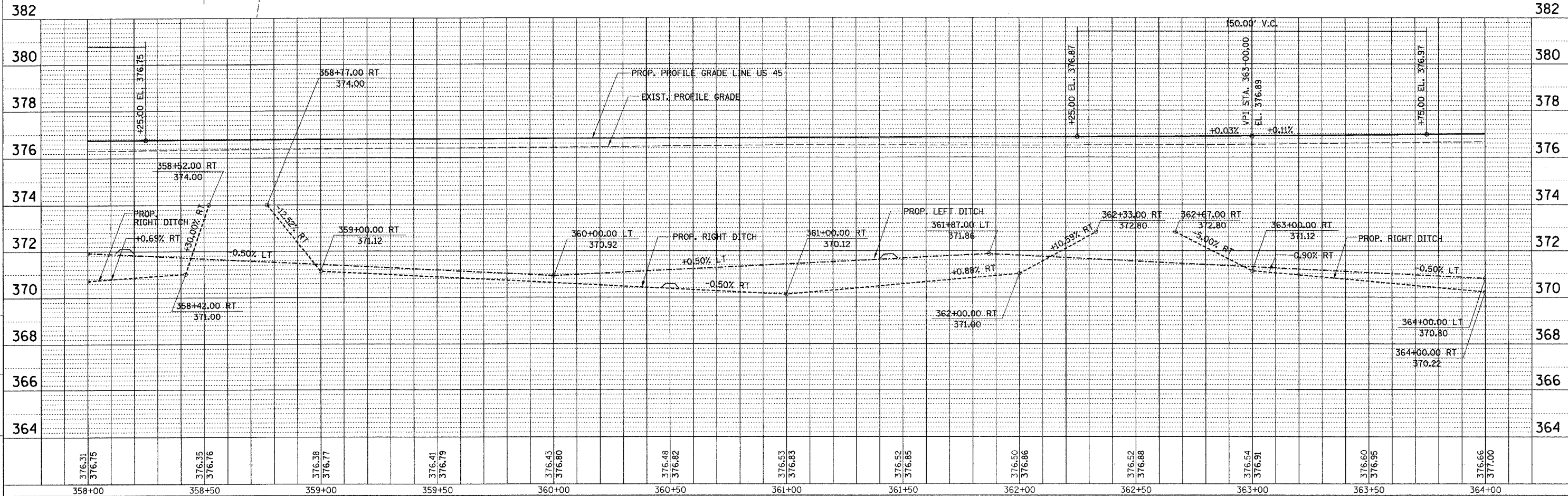
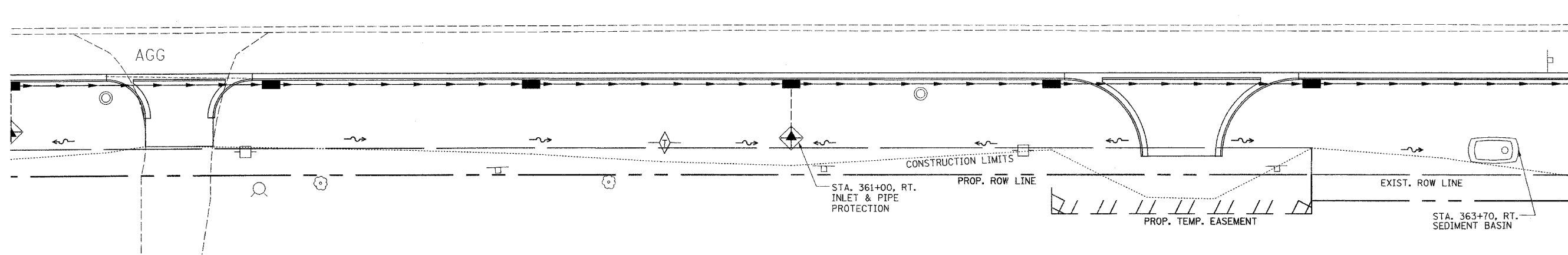
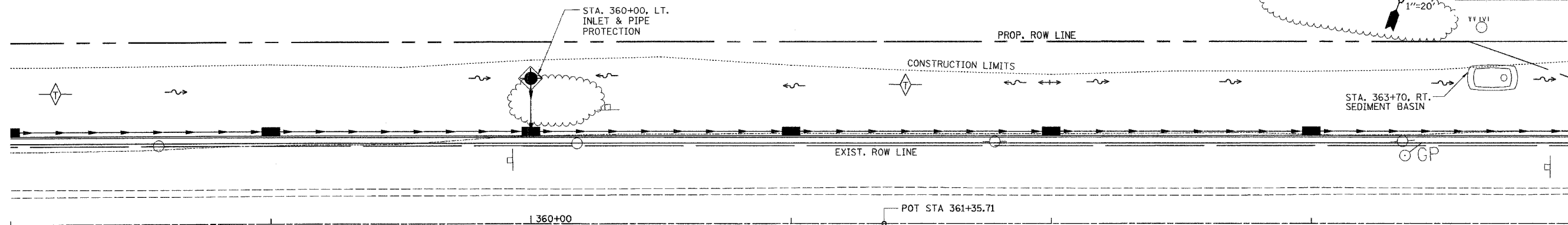
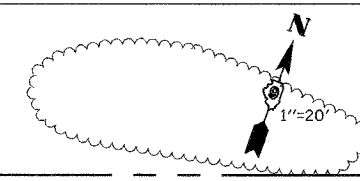
CONTRACT NO. 98631				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	74
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



M:\PROJECTS\PROJECTS\ROADWAY\CONCOM/Referencia Files  
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TEMPORARY EROSION CONTROL PLAN - STA. 352+00 TO STA. 358+00

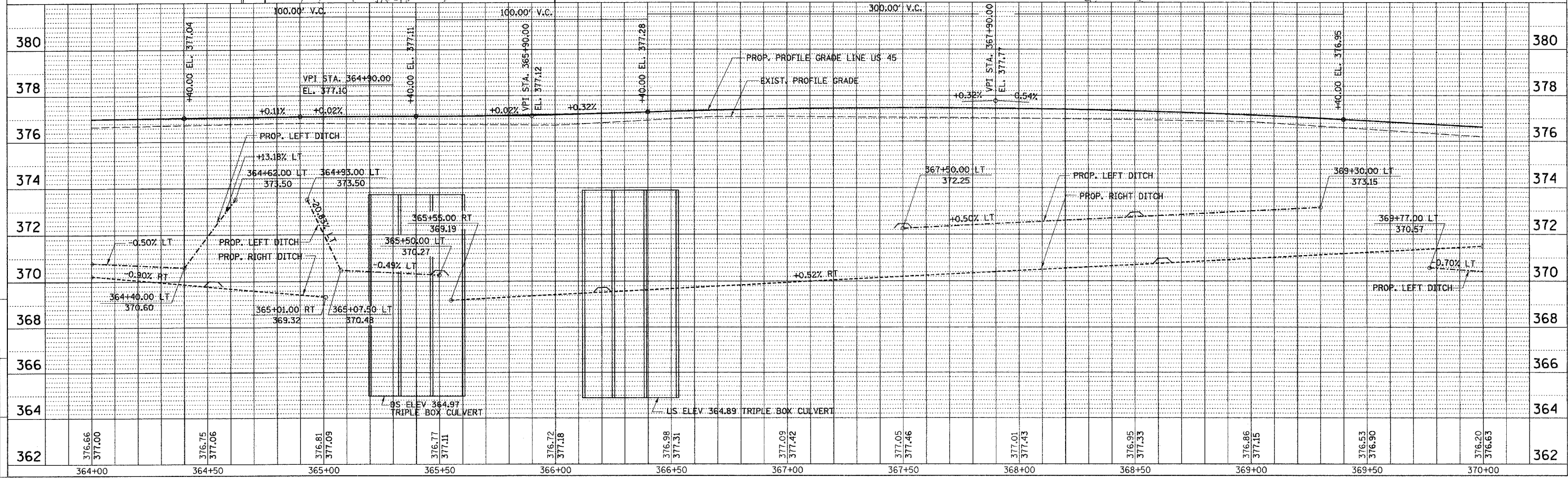
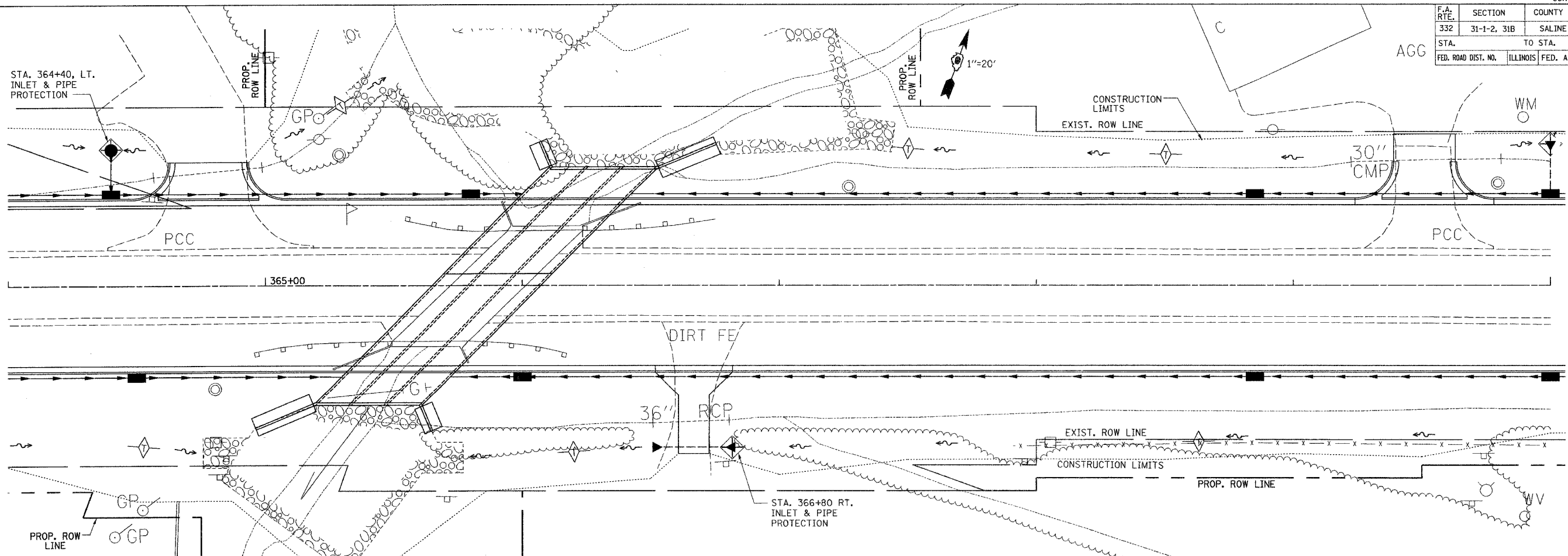
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	75
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



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TEMPORARY EROSION CONTROL PLAN - STA. 358+00 TO STA. 364+00

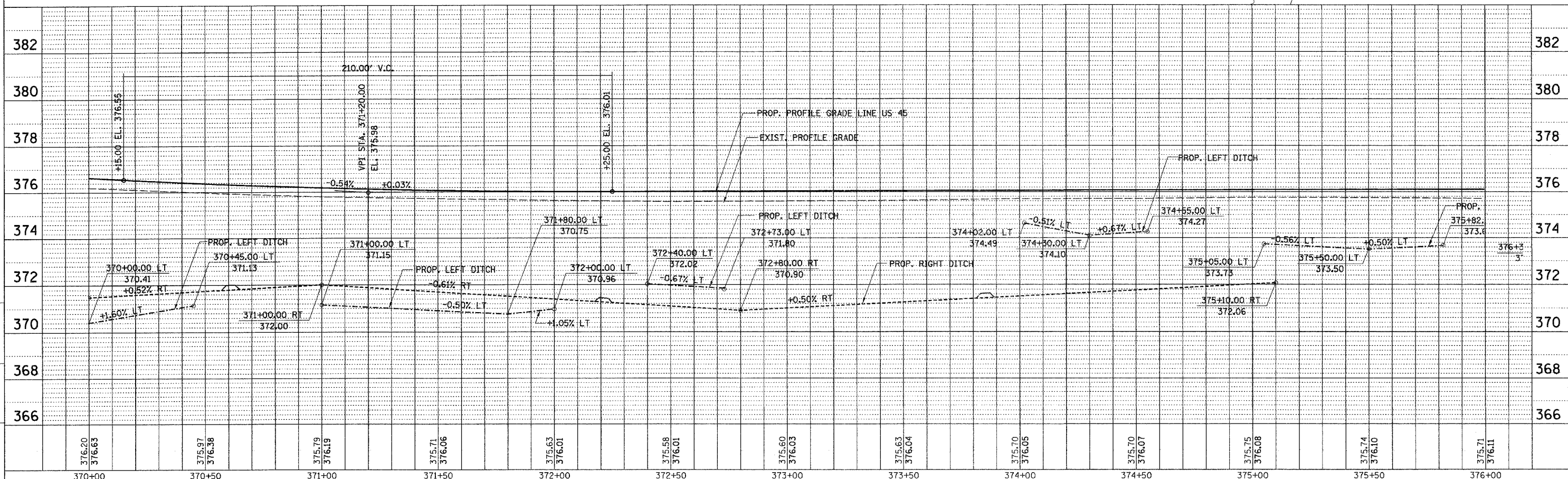
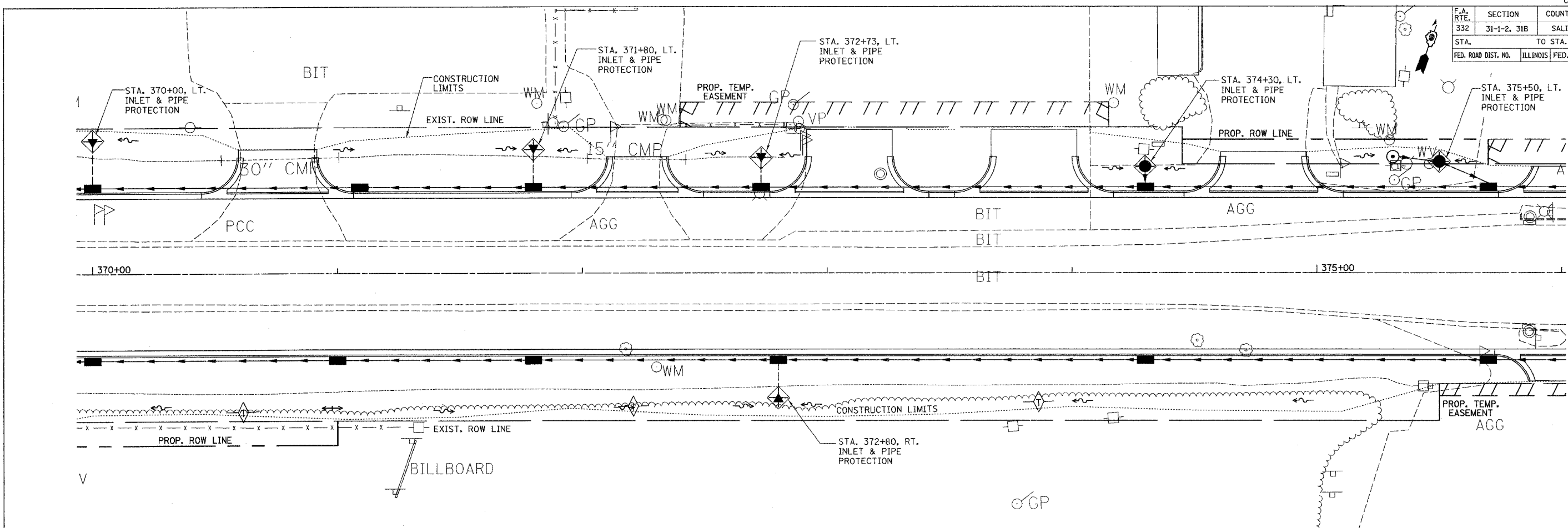
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	76
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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TEMPORARY EROSION CONTROL PLAN - STA. 364+00 TO STA. 370+00

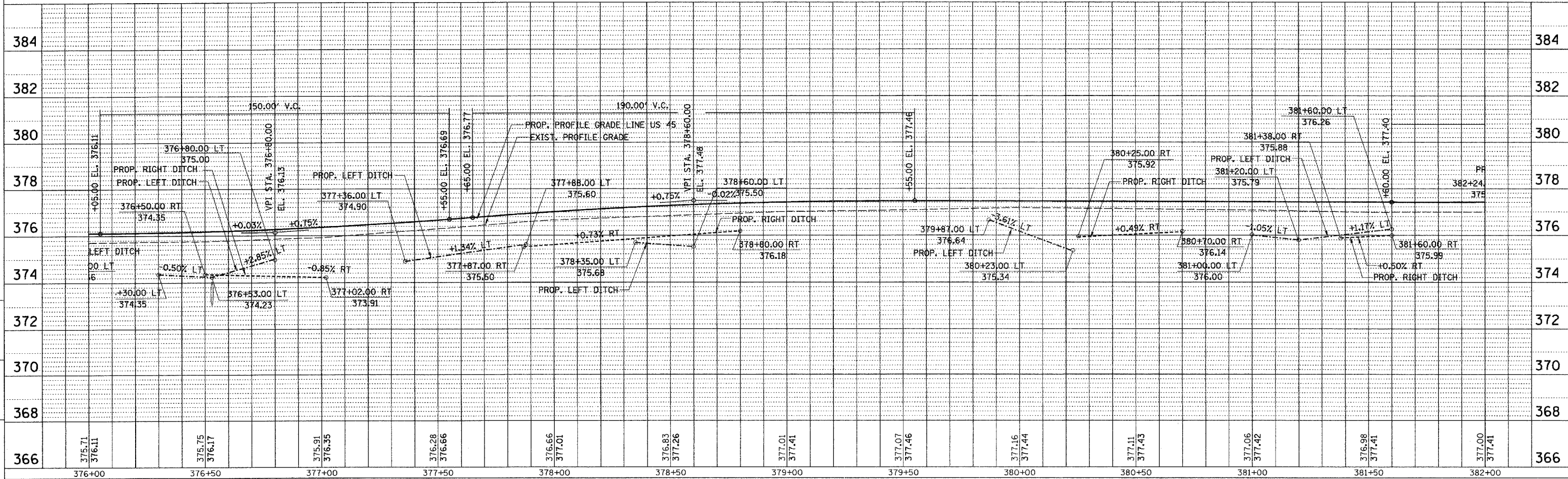
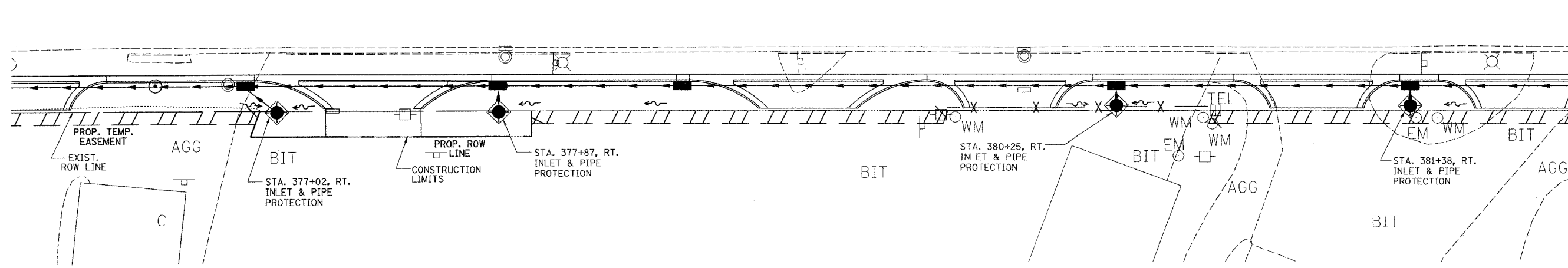
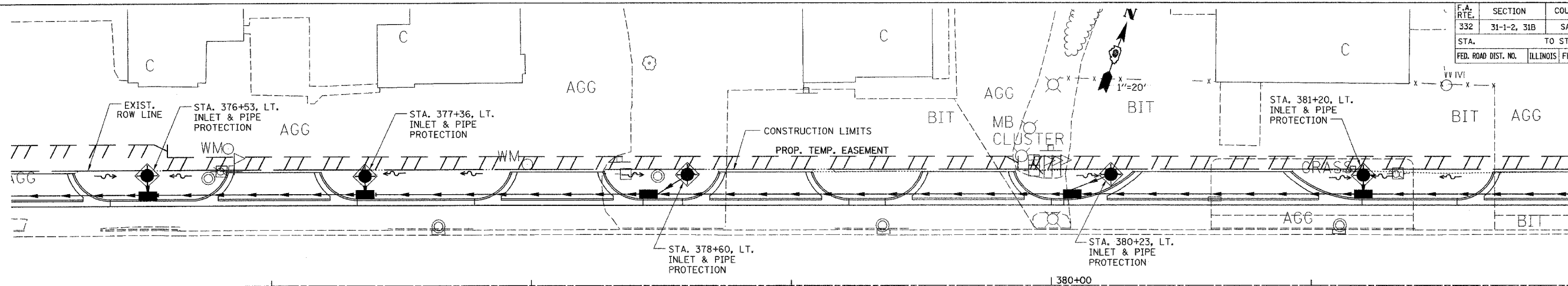
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	77
STA. 370+00 TO STA. 376+00		ILLINOIS FED. AID PROJECT		



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**TEMPORARY EROSION CONTROL PLAN - STA. 370+00 TO STA. 376+00**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	78
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

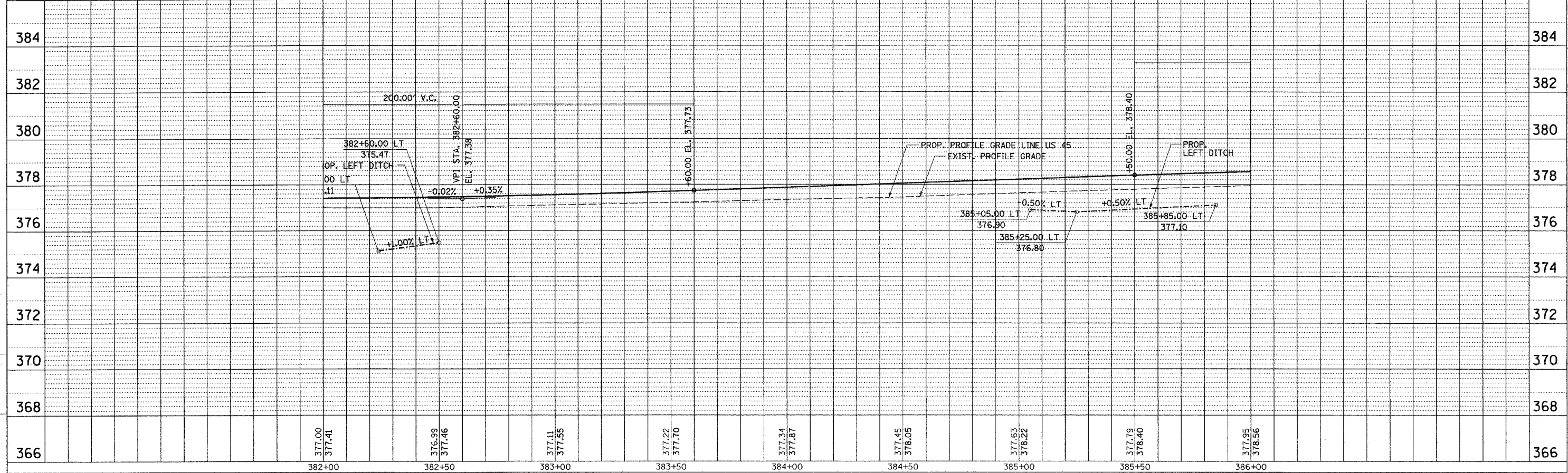
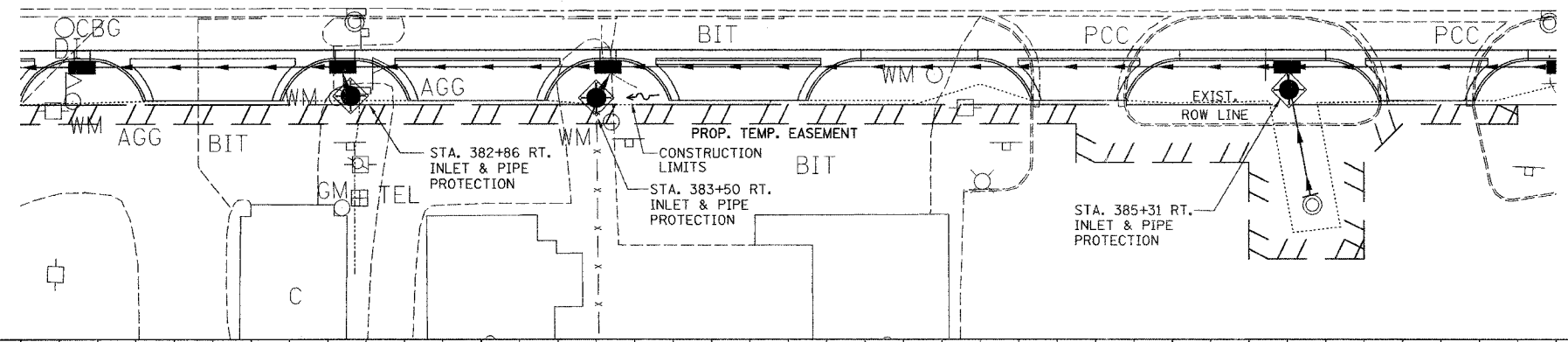
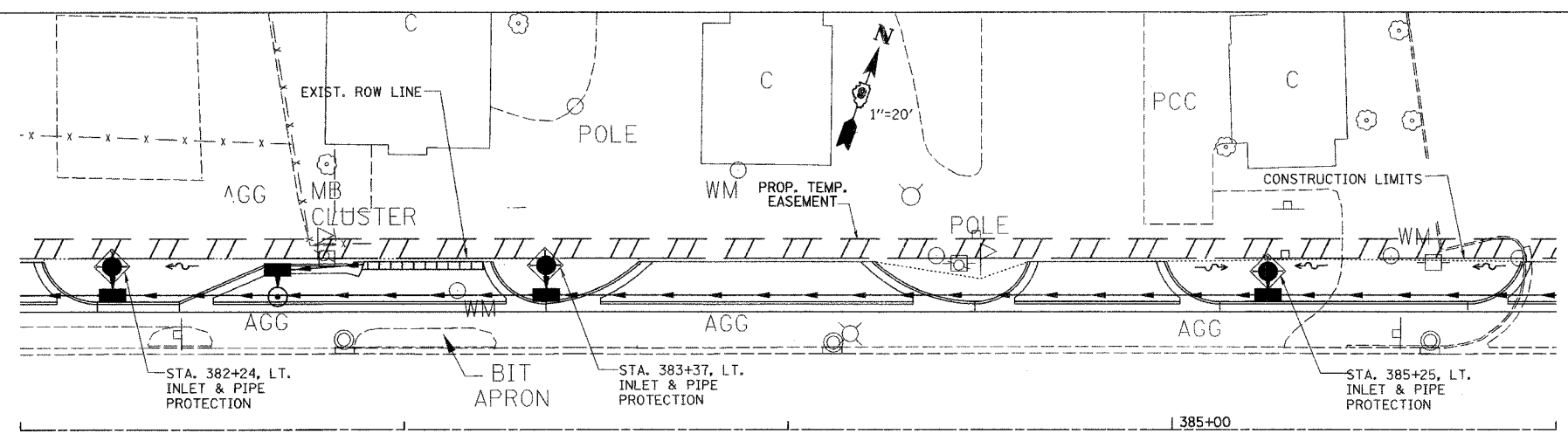


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**TEMPORARY EROSION CONTROL PLAN - STA. 376+00 TO STA. 382+00**



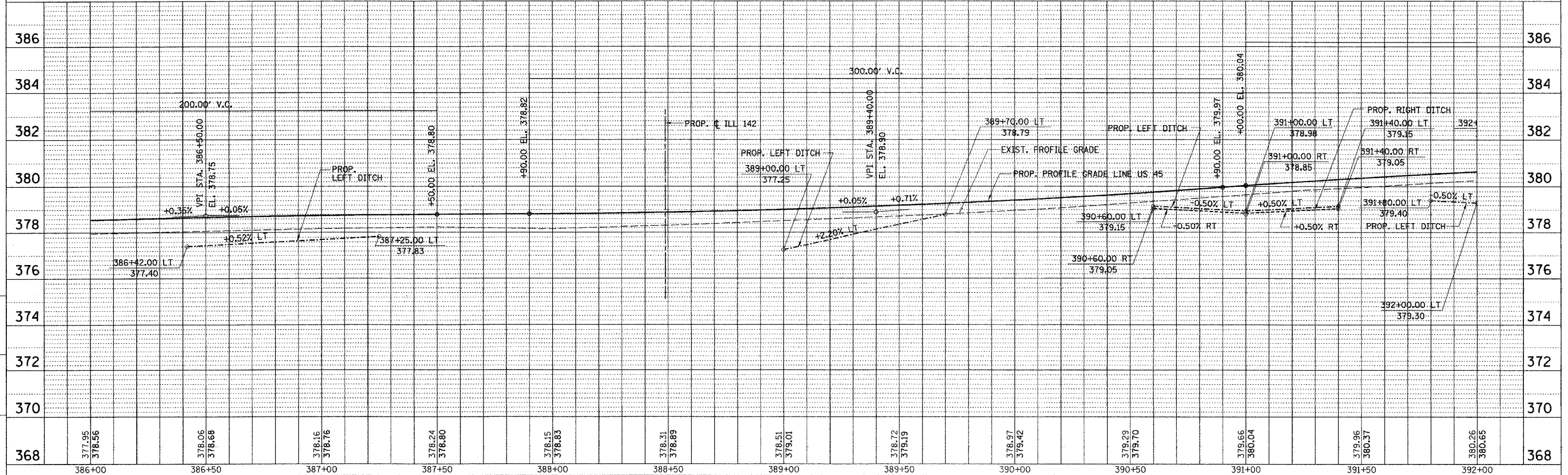
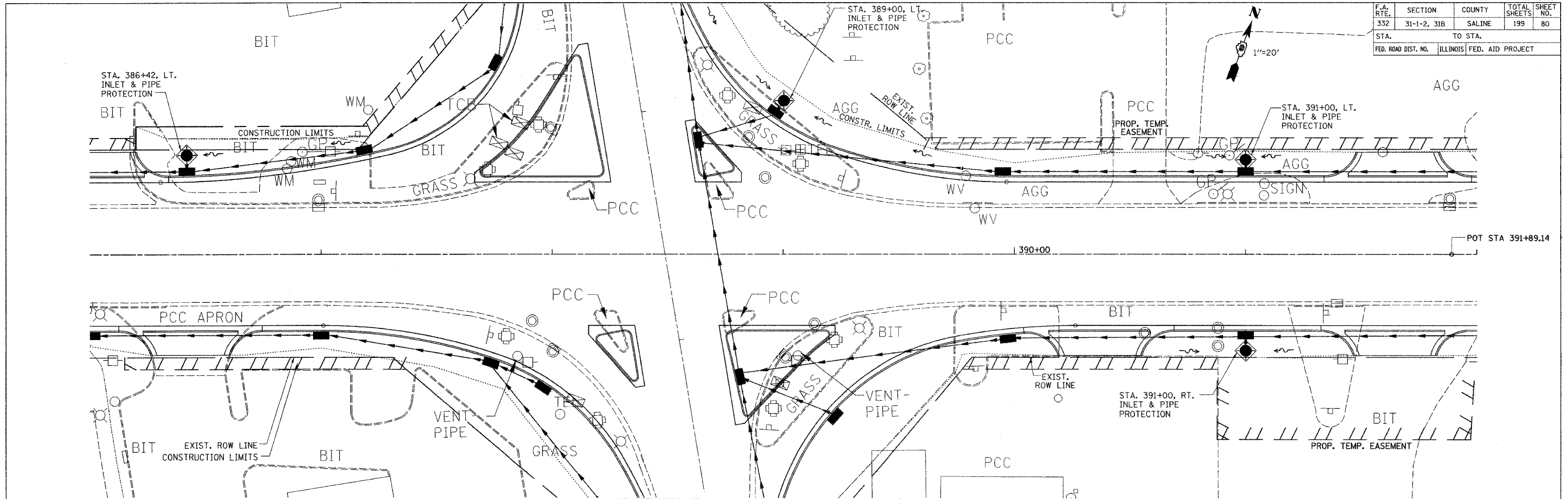
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	79
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



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 DRAWN BY: SK  
 CHECKED BY: MT

**TEMPORARY EROSION CONTROL PLAN - STA. 382+00 TO STA. 386+00**

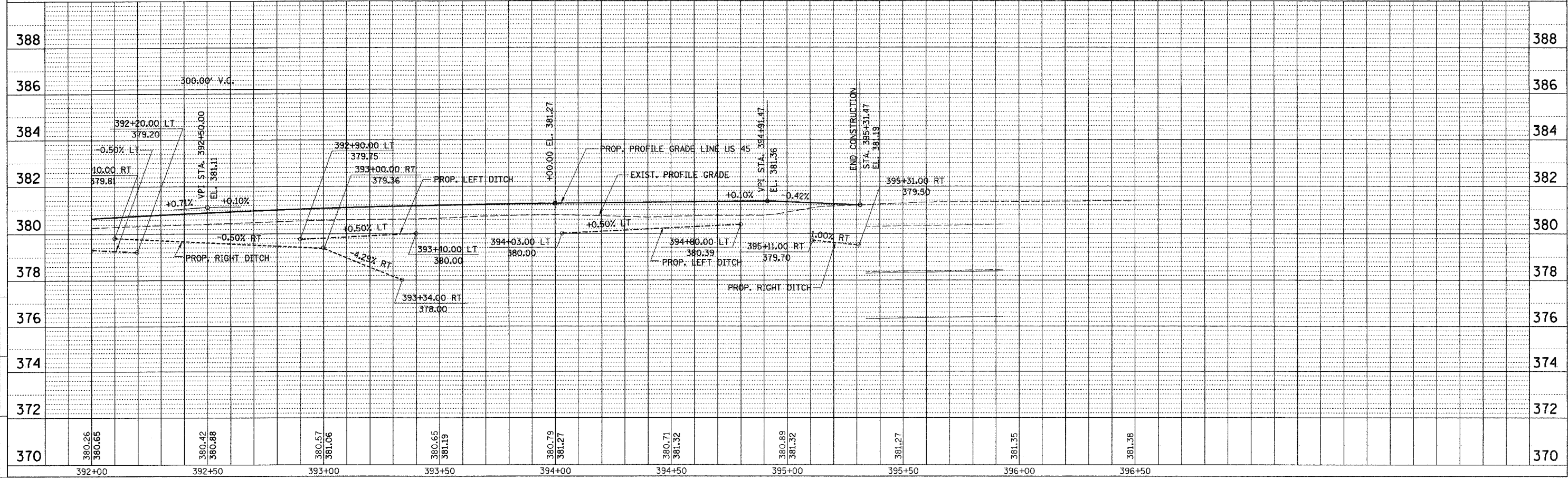
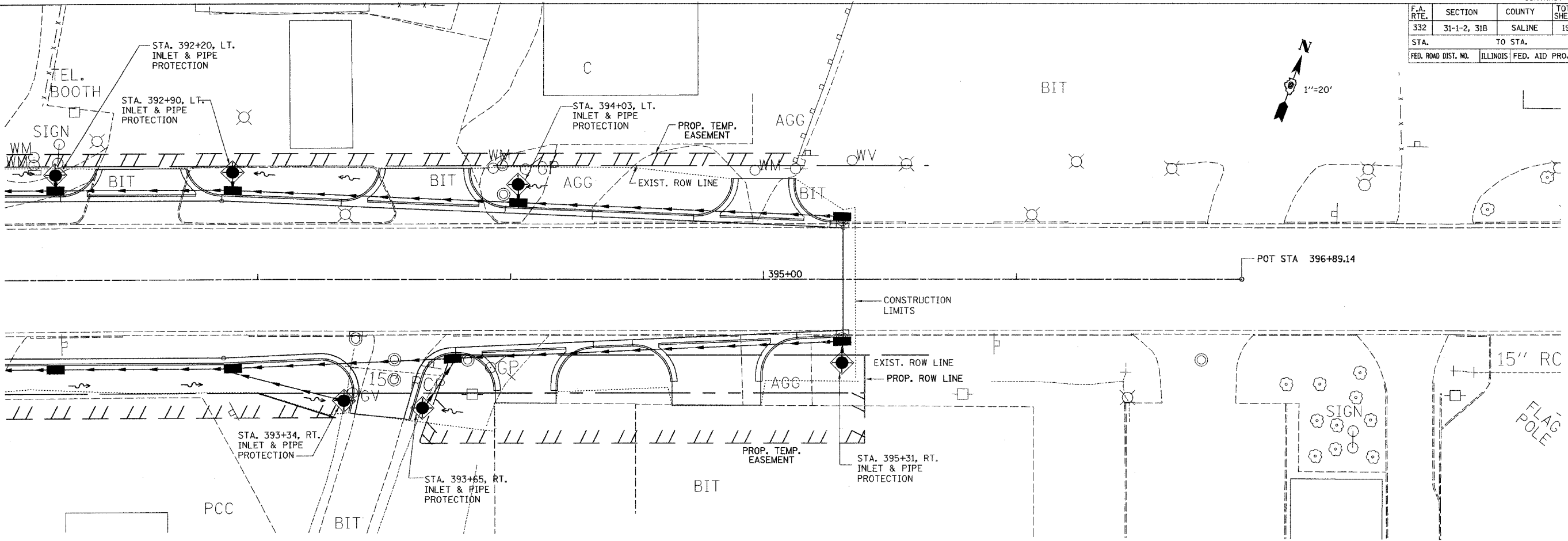
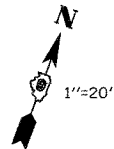
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	80
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CHECKED BY: J.M.  
 DRAWN BY: S.K.  
 PROJECT: I-74/PROJ 3535/ROADWAY/CONCRETE  
 ACTION: PLAN  
 DATE: 10-09-01

TEMPORARY EROSION CONTROL PLAN - STA. 386+00 TO STA. 392+00

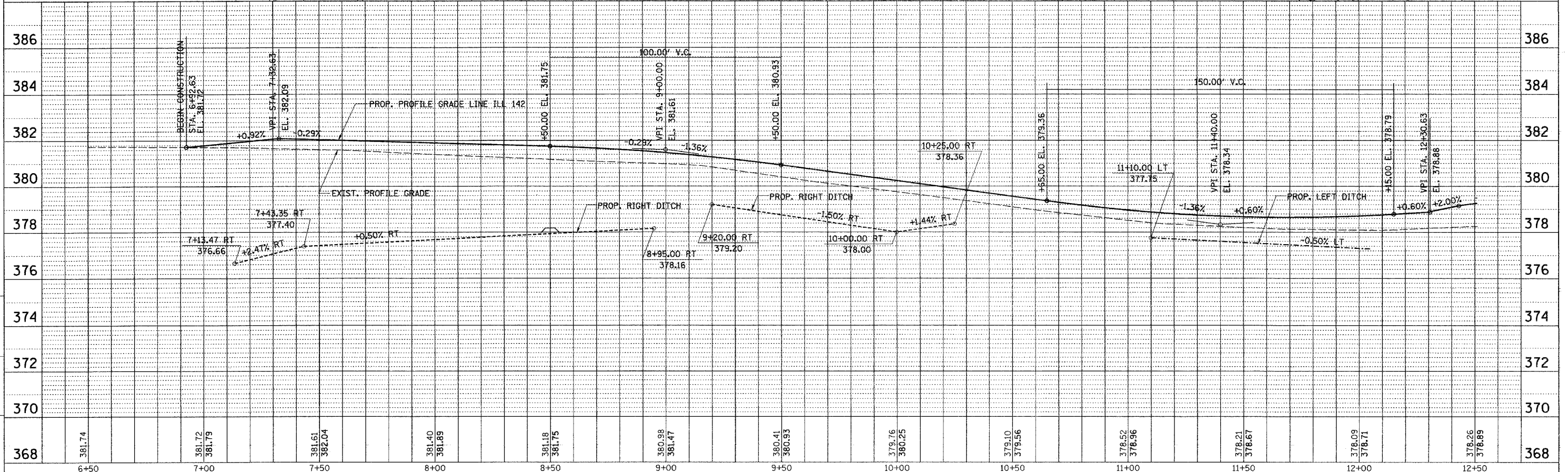
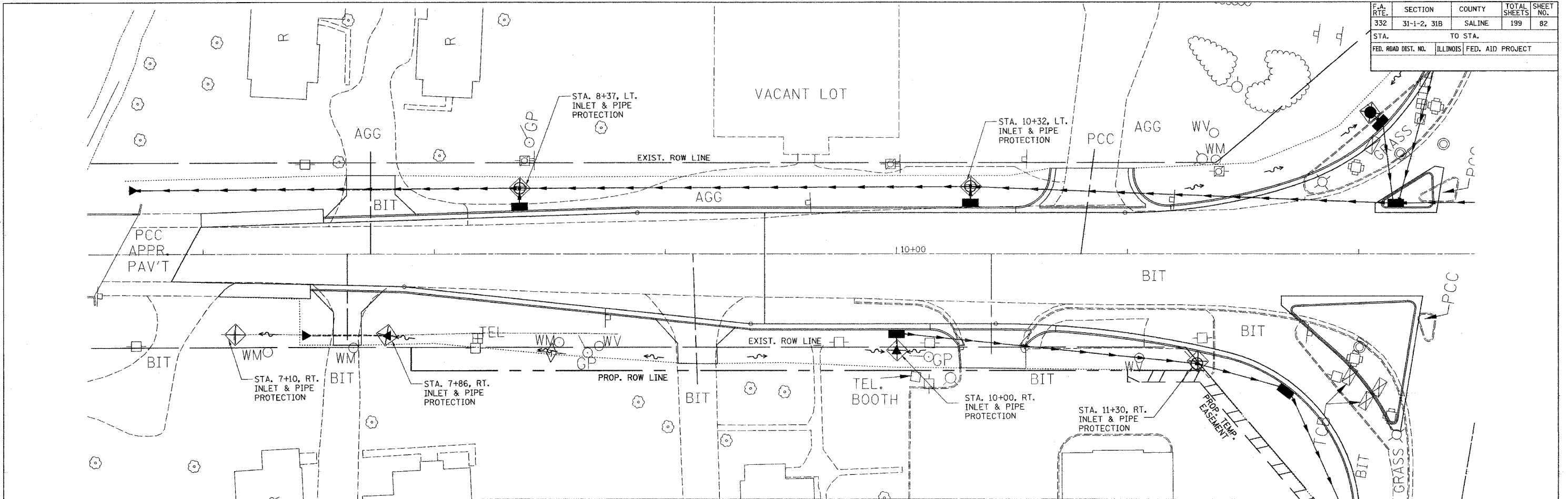
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332	31-1-2, 31B	SALINE	199	81
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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 CHECKED BY: MT

TEMPORARY EROSION CONTROL PLAN - STA. 392+00 TO STA. 396+89.14

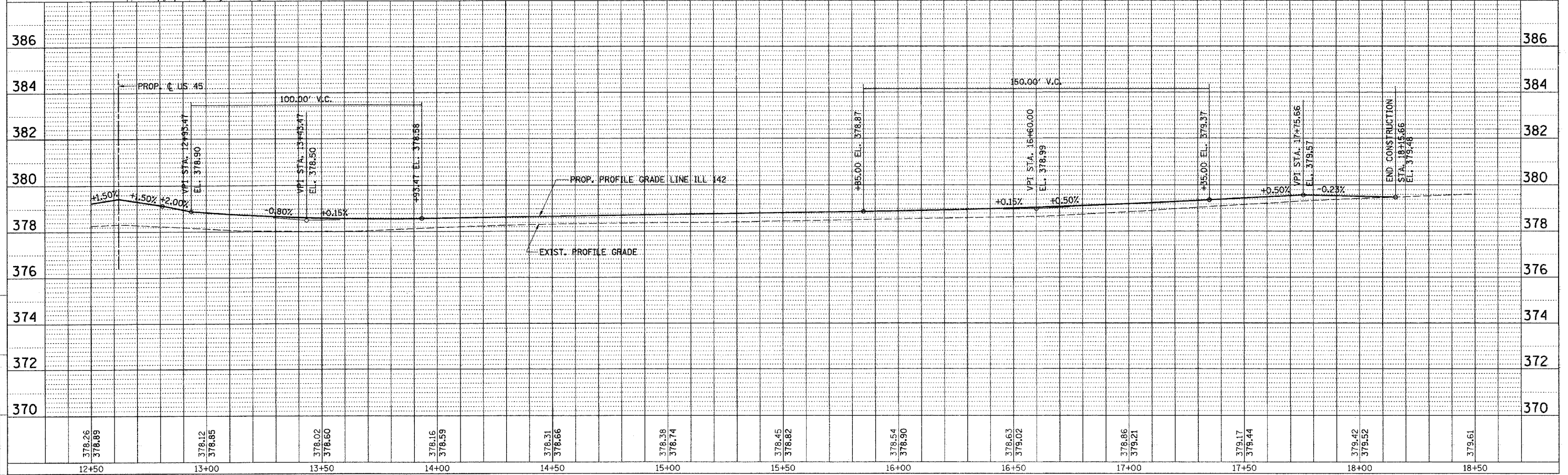
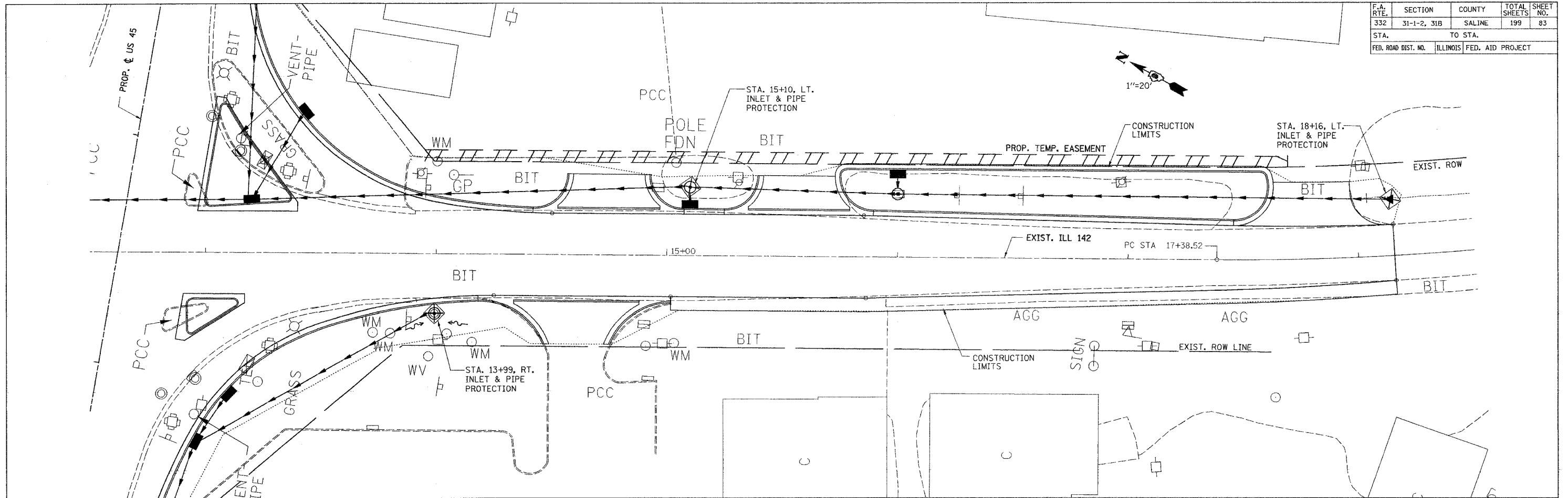
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332	31-1-2, 31B	SALINE	199	82
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CHECKED BY: JMT  
DRAWN BY: SK

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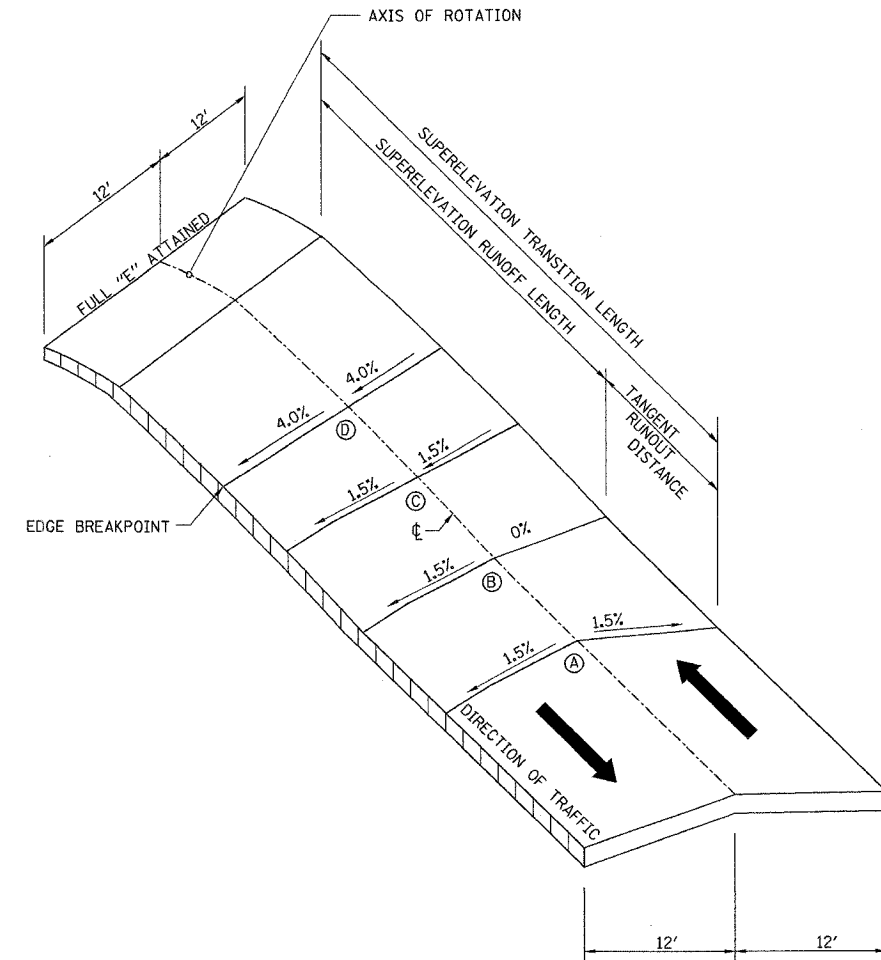
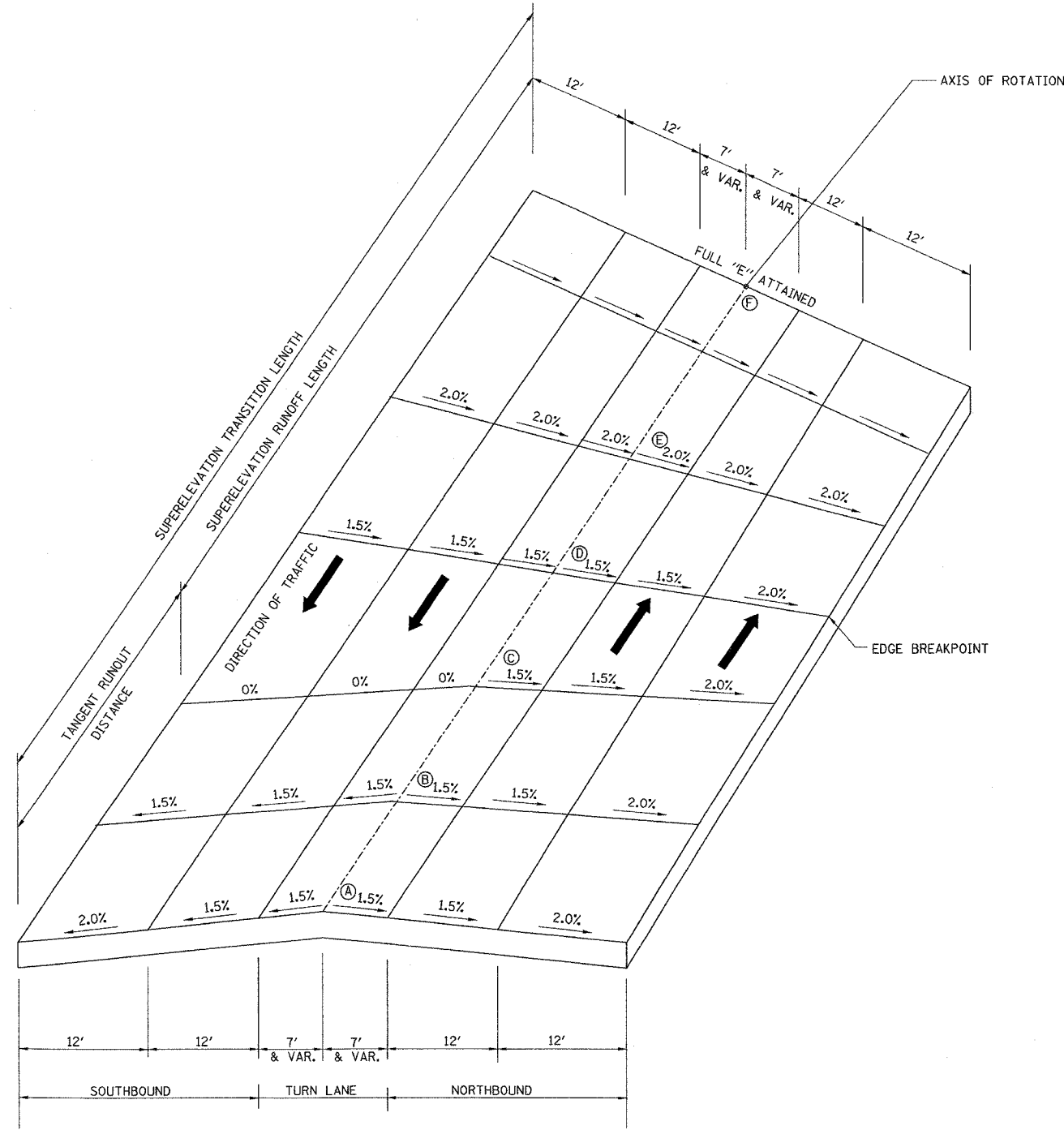
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332	31-1-2, 31B	SALINE	199	83
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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 DRAWN BY: JG  
 CHECKED BY: JG



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	85
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



E=DESIGN SUPERELEVATION RATE

NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD.

NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD.

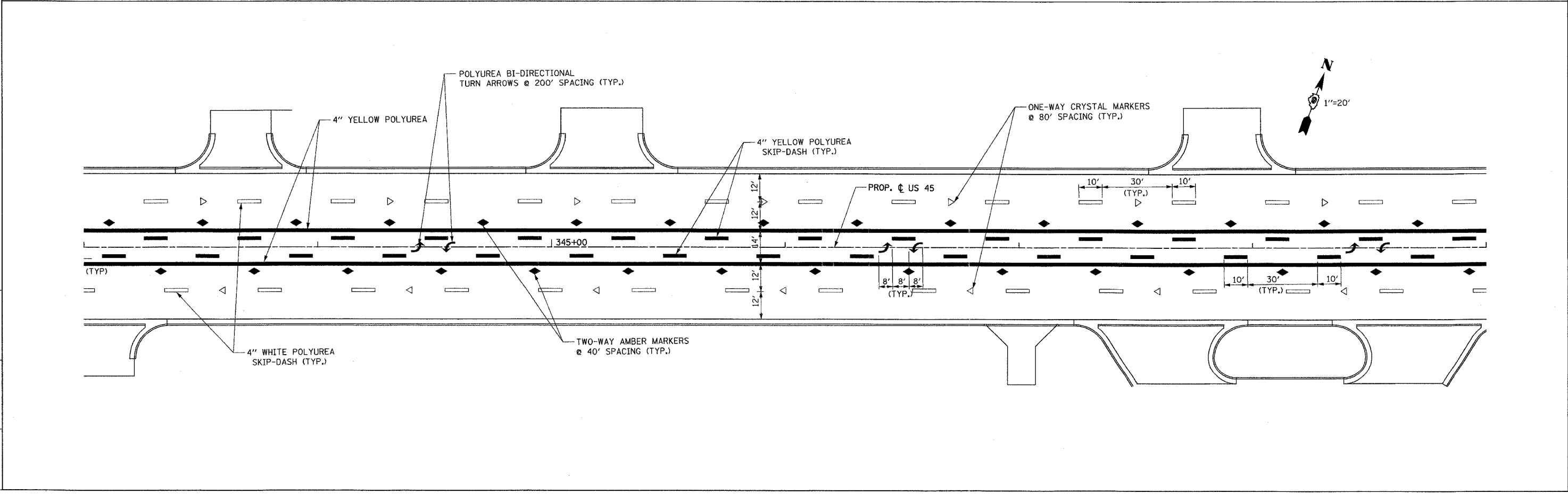
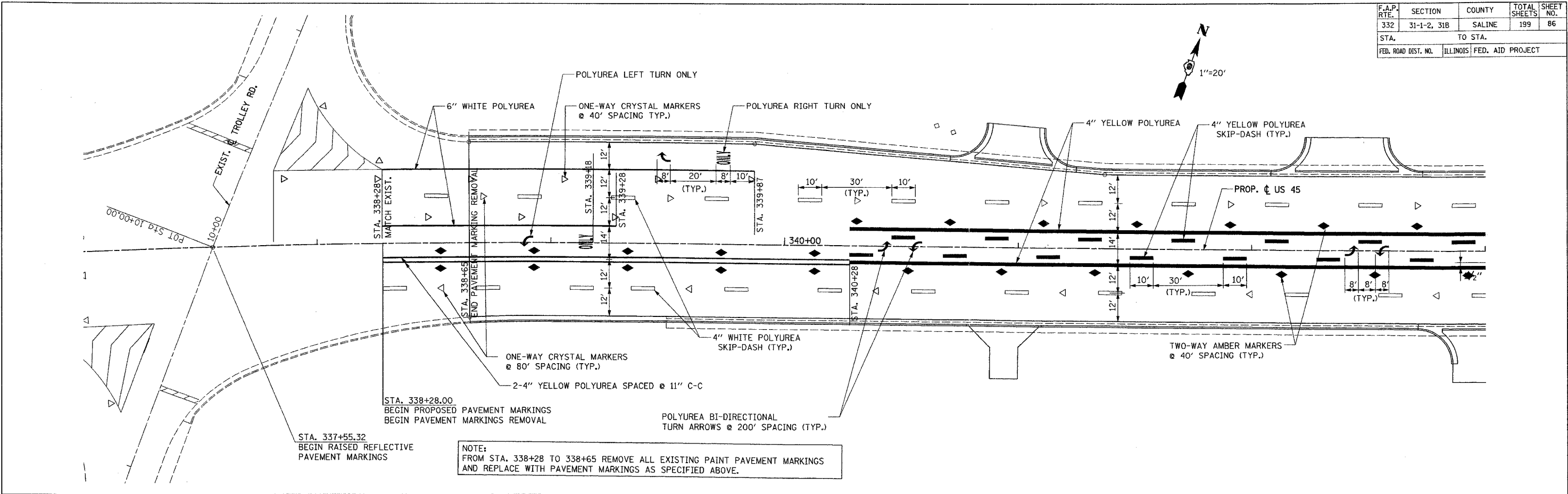
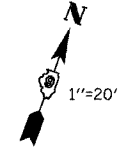
CURVE NAME	FULL SUPER RATE 'E'	STA. A	STA. B	STA. C	STA. D	STA. E	STA. F
CURVE 505							
ATTAIN							
REMOVE	4.00%	342+85	342+69	341+48	340+27	339+87	338+26

CURVE NAME	FULL SUPER RATE 'E'	STA. A	STA. B	STA. C	STA. D
CURVE 31					
ATTAIN	4.00%	16+34	16+72	17+09	17+72
REMOVE					

DRAWN BY JDE  
CHECKED BY MJC

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	86
STA. 337+00		TO STA. 340+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



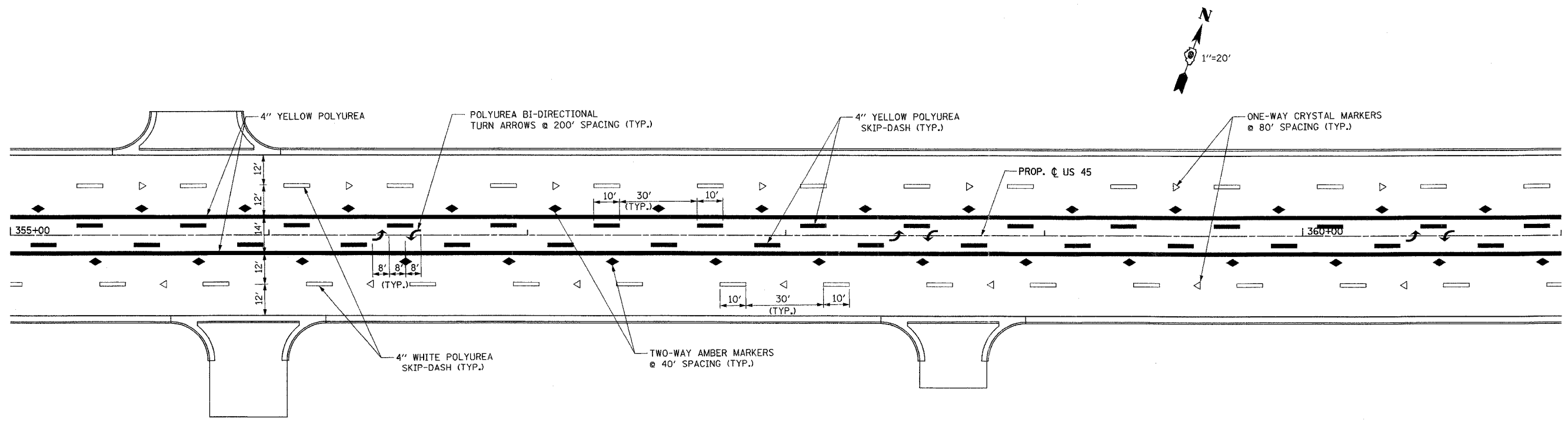
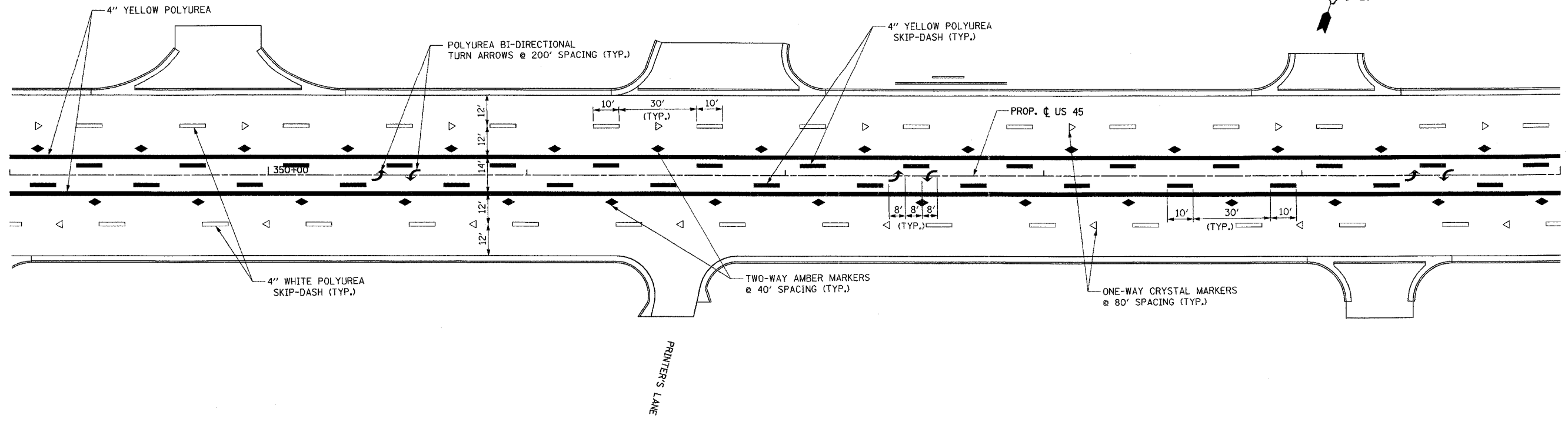
PAVEMENT MARKING—STA. 337+00 TO STA. 349+00

CHECKED BY  
DRAWN BY

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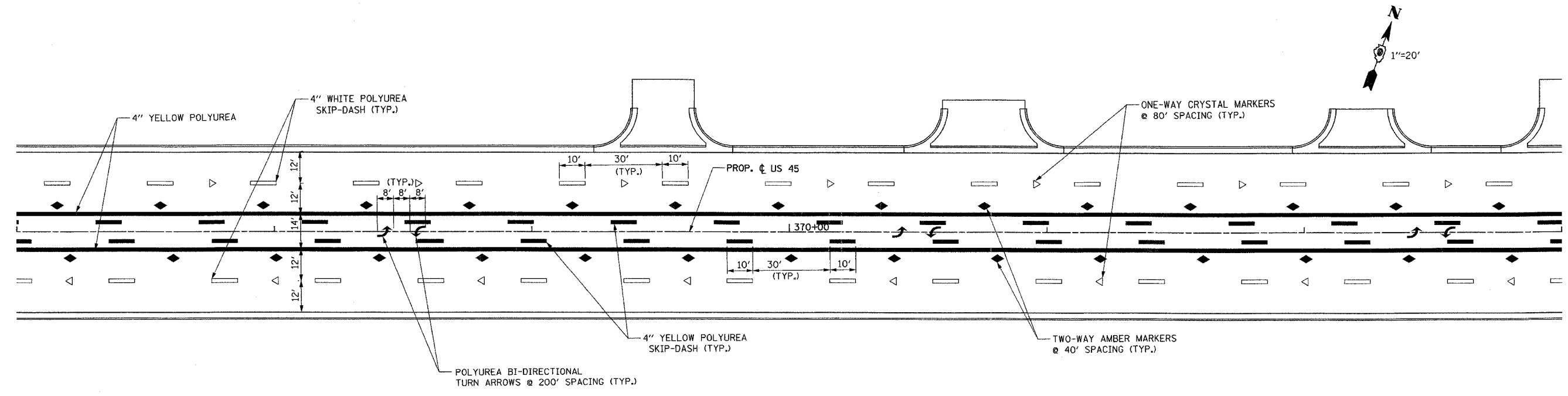
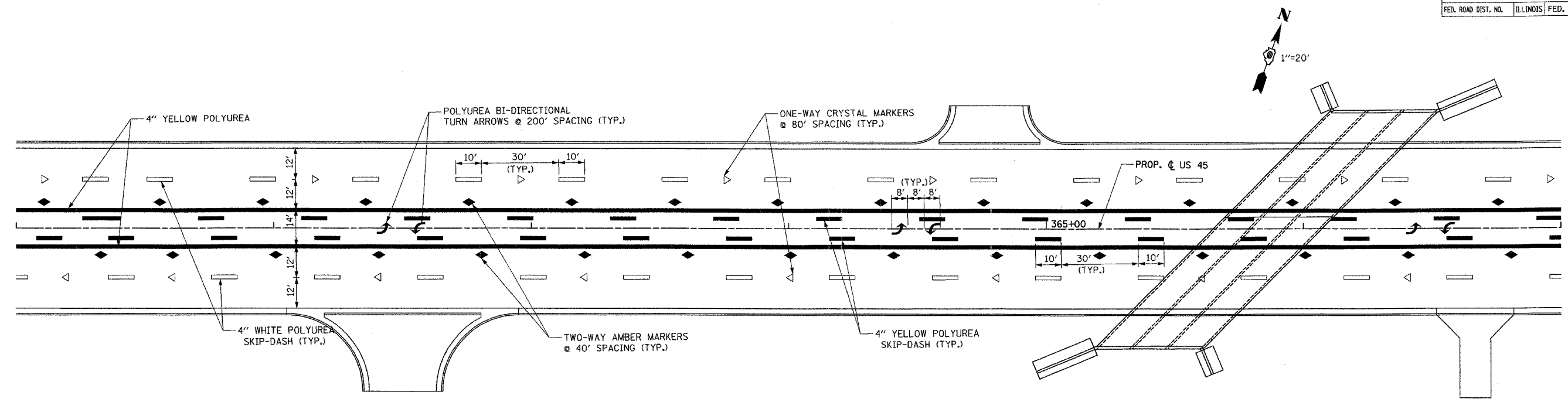


CONTRACT NO. 98631				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	87
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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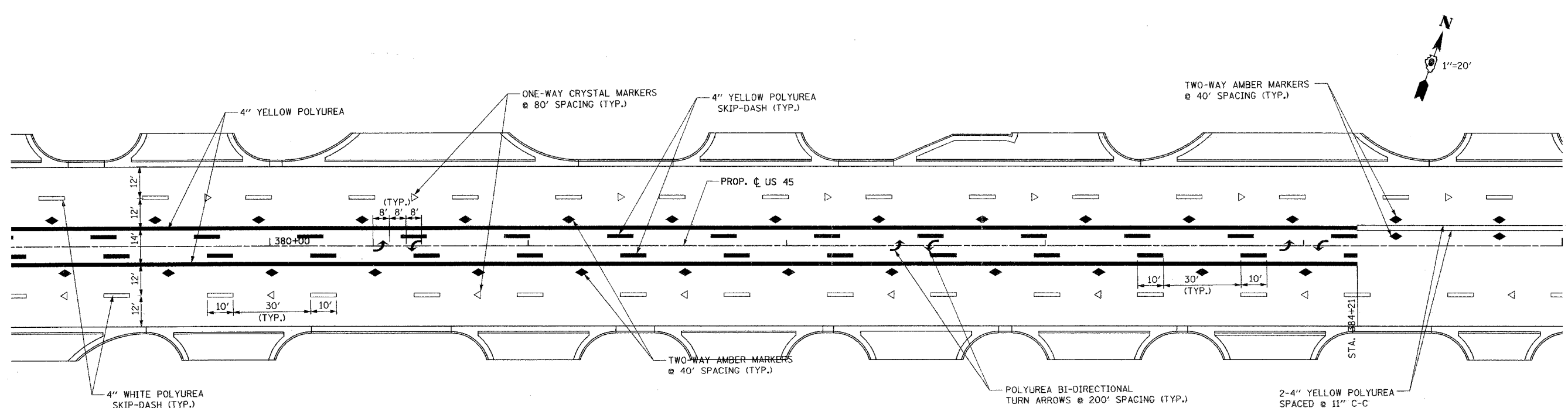
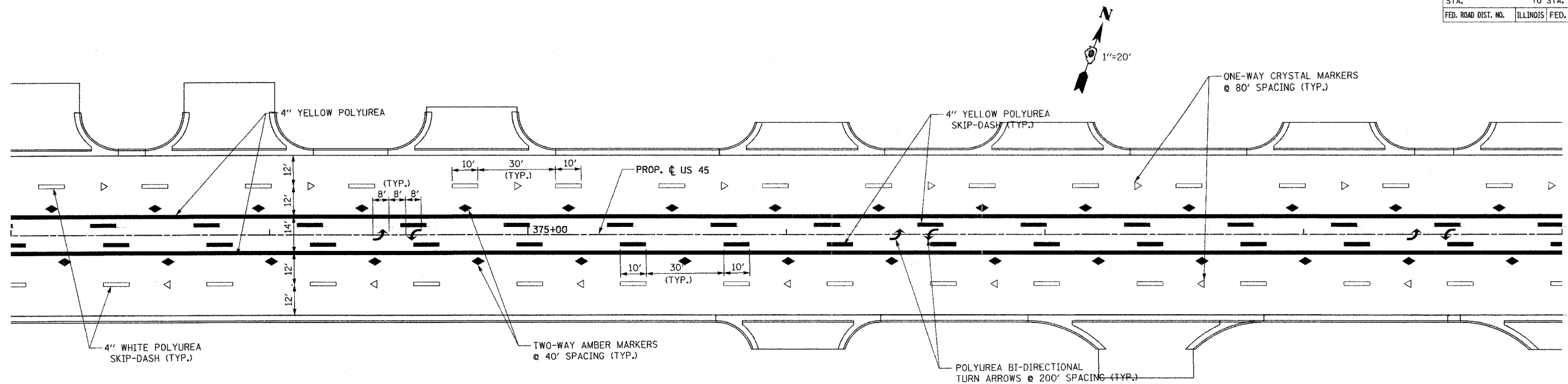
CONTRACT NO. 98631				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	88
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



M/I PROJECTS/PROJECTS/ROADWAY/CONTRACT 4/STRIPING/
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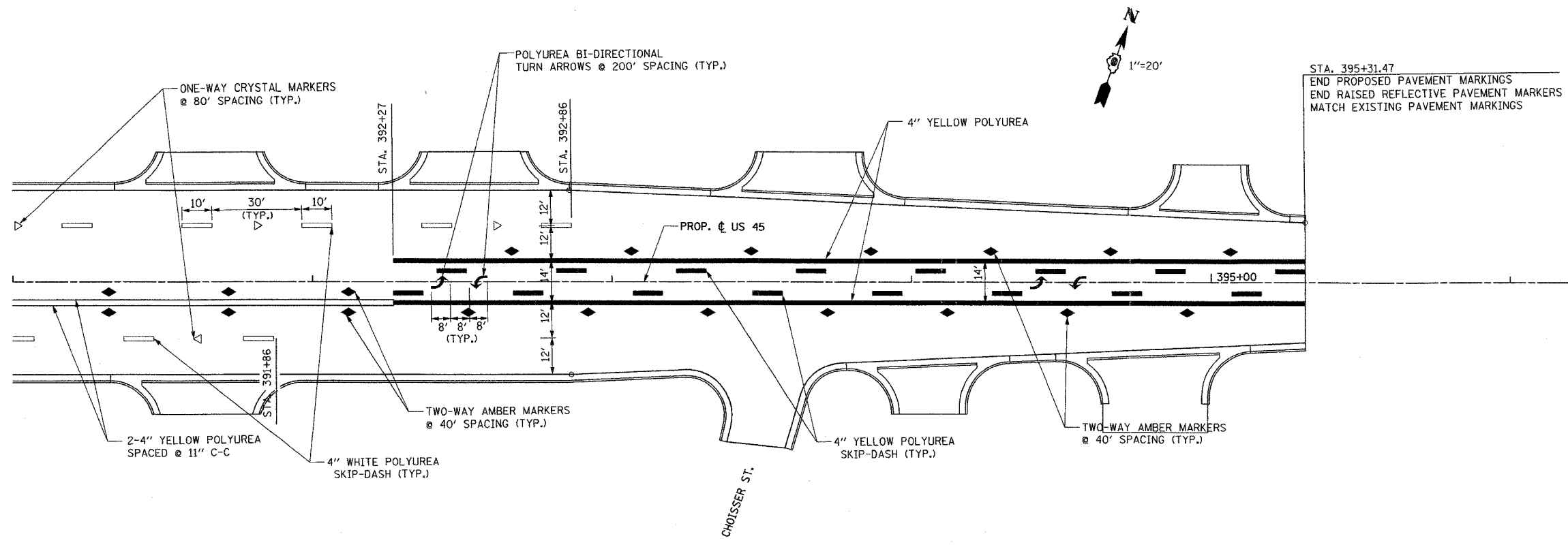
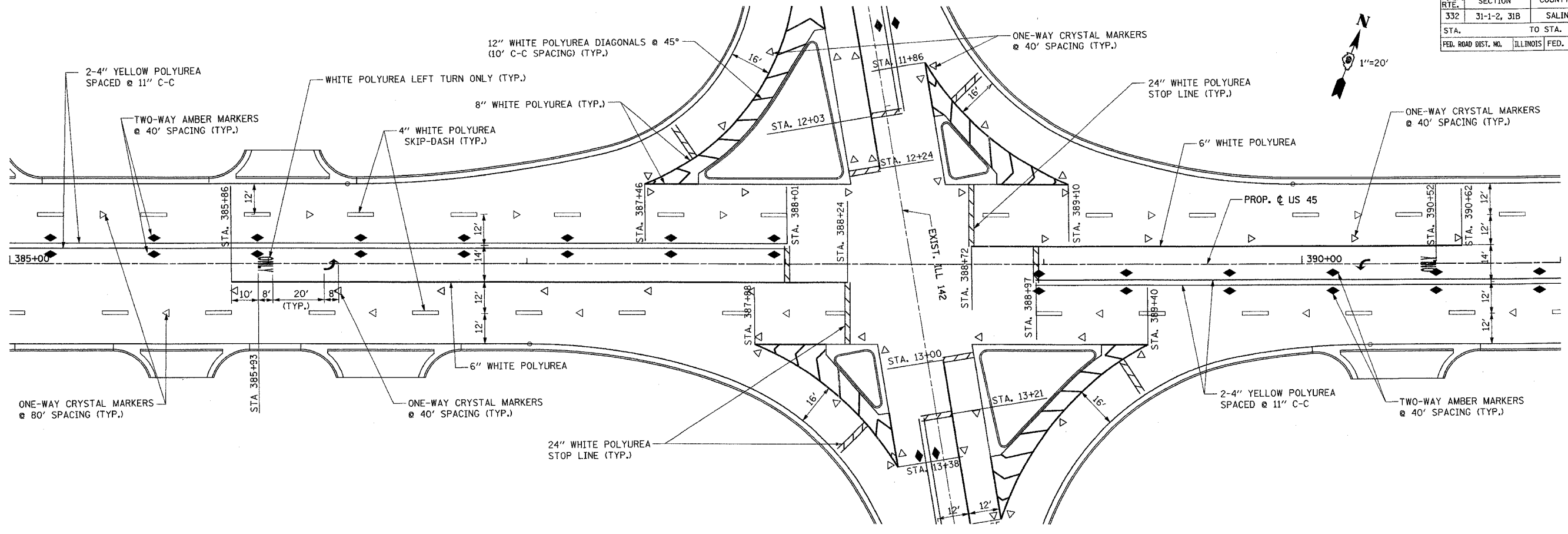
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
332	31-1-2, 31B	SALINE	199 89
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



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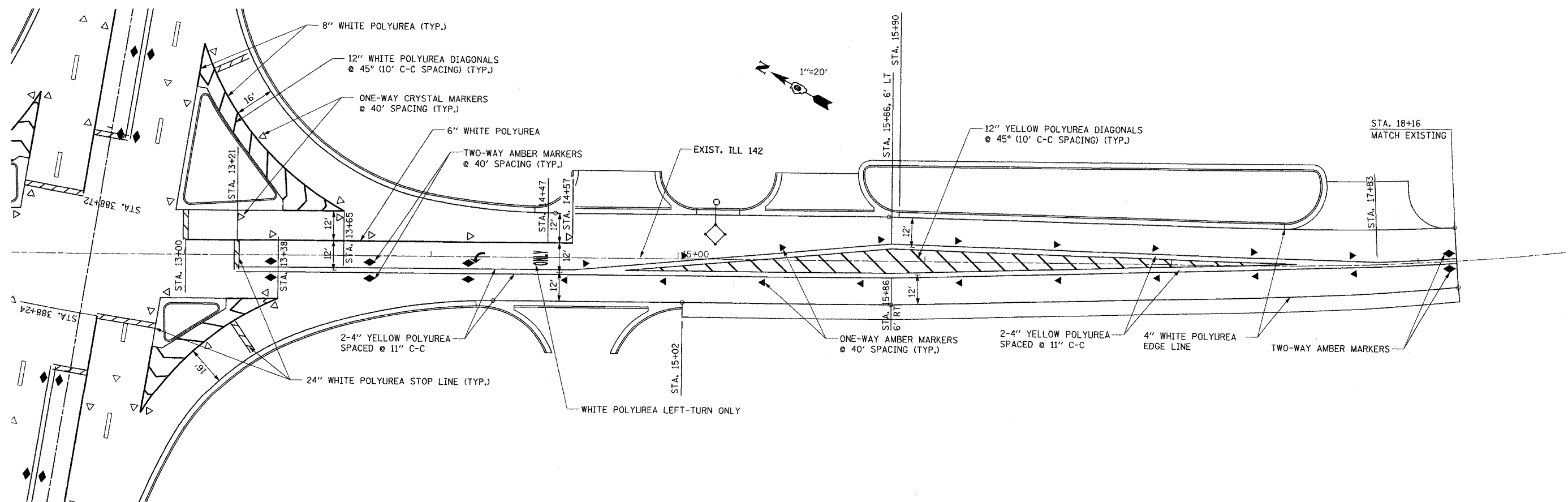
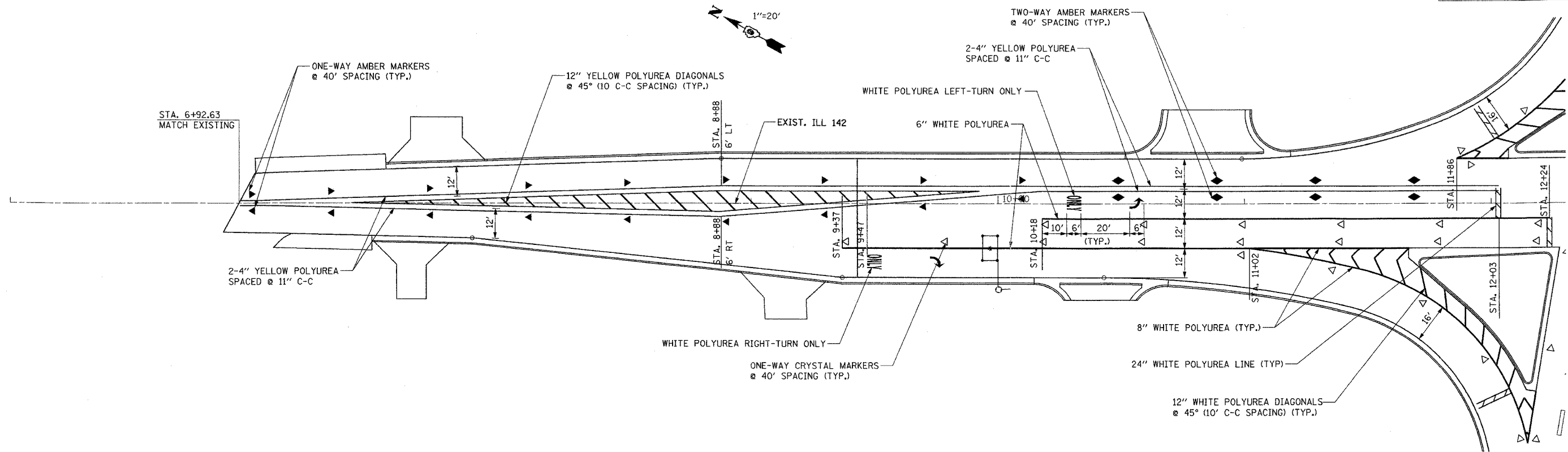
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332	31-1-2, 31B	SALINE	199	90
STA. 385+00		TO STA. 397+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



CHECKED BY: J.S.  
DRAWN BY: J.S.

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ACTING FILE
FILE NO. 152624-0501
FILE NO. 352624
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CONTRACT NO. 98631			
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STA. 6+92.63		TO STA. 12+24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

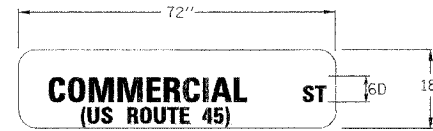


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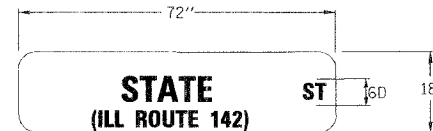
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	92
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**SCHEDULE OF QUANTITIES**

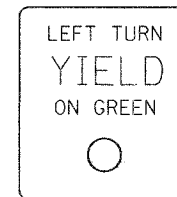
PAY ITEMS	UNIT	TOTAL QUANT.
72000100	SIGN PANEL, TYPE 1	SQ FT 76
80300100	LOCATING UNDERGROUND CABLE	FOOT 1310
80500105	SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH 1
81012600	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT 832
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT 678
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT 30
81021500	CONDUIT, AUGERED, 1 1/2" DIA., PVC	FOOT 170
81021500	CONDUIT, AUGERED, 2" DIA., PVC	FOOT 509
81021500	CONDUIT, AUGERED, 3" DIA., PVC	FOOT 212
81021500	CONDUIT, AUGERED, 4" DIA., PVC	FOOT 85
81400000	CONCRETE HANDHOLE	EACH 8
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT 1307
81700315	ELECTRIC CABLE IN CONDUIT, 600V, (EPR-TYPE RHW) 3-1/C, NO. 10	FOOT 1278
82100400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH 8
82500605	LIGHTING CONTROLLER - PHOTOCELL RELAY	EACH 1
83002600	LIGHT POLE, ALUMINUM, 40 FT., M.H., 15 FT. DAVIT ARM	EACH 8
83600357	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 8'	EACH 8
84200700	LIGHTING FOUNDATION REMOVAL	EACH 4
85700200	FULL ACTUATED CONTROLLER AND TYPE IV CABINET	EACH 1
86600010	GULFBOX JUNCTION	EACH 7
87301255	ELECTRIC CABLE IN CONDUIT SIGNAL NO. 14 7C	FOOT 1889
87301275	ELECTRIC CABLE IN CONDUIT SIGNAL NO. 14 12C	FOOT 743
87301305	ELECTRIC CABLE IN CONDUIT LEAD-IN, NO. 14, 1 PAIR	FOOT 4353
87502310	TRAFFIC SIGNAL POST, PAINTED STEEL 16'	EACH 4
87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH 2
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH 2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT 12
87800200	CONCRETE FOUNDATION, TYPE D	FOOT 3.5
87800400	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT 60
88200100	TRAFFIC SIGNAL BACKPLATE	EACH 8
88500100	INDUCTIVE LOOP DETECTOR	EACH 12
88500200	INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT	EACH 6
88600100	DETECTOR LOOP, TYPE 1	FOOT 1656
88000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH 1
X0300739	UNINTERRUPTIBLE POWER SUPPLY	EACH 1
X0323310	REMOVAL OF EXISTING SIGNAL SYSTEM	EACH 1
X8801310	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH 4
X8801395	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH 12
X8801400	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH 4
XX220000	REMOVE EXISTING LIGHTING SYSTEM	EACH 1



**STREET NAME SIGN**  
 MAST ARM MOUNTED  
 STA. 388+39, 40' RT.  
 STA. 388+59, 38' LT.



**STREET NAME SIGN**  
 MAST ARM MOUNTED  
 STA. 388+10, 17' LT.  
 STA. 388+90, 20' RT.



R10-12  
 24" X 30"  
 MAST ARM MOUNTED  
 STA. 388+10, 3' LT.  
 STA. 388+47, 38' RT.  
 STA. 388+49, 36' LT.  
 STA. 388+90, 3' RT.  
 BRACKET MOUNTED  
 STA. 388+10, 40' LT.  
 STA. 388+68, 40' LT.  
 STA. 388+90, 40' RT.  
 STA. 388+29, 42' RT.

**GENERAL NOTES**

- ALL ELECTRIC CABLE AND CONDUIT QUANTITIES ARE ROUNDED UP TO THE NEAREST 5 FEET.
- THE FURNISHING AND INSTALLATION OF THE 1-1/2" CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT WILL BE INCLUDED IN THE LOOP INSTALLATION AND SEPARATE PAYMENT WILL NOT BE MADE FOR THIS WORK.
- THE INDUCTION LOOP WIRE AND LEAD-IN WIRE WILL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION OR AS INDICATED ON THE PLANS.
- SHIELDED CABLE TO LOOP LEADS WILL BE GROUNDED AT THE CONTROLLER TERMINAL ONLY.
- ALL DETECTOR LOOP CORNERS WILL BE CORE DRILLED 2 INCHES MINIMUM DIAMETER.
- WHILE SIGNAL HEADS ARE MOUNTED IN PLACE, BUT NOT YET IN OPERATION, THEY MUST BE SECURELY COVERED IN WHITE PLASTIC.
- EXISTING SURFACE DISTURBED DURING EXCAVATION FOR FOUNDATIONS AND PUSH PITS MUST BE RESTORED TO THE LIMITS AND CONDITION SPECIFIED BY THE ENGINEER OR AS SHOWN ON THE PLANS. UNLESS NOTED OTHERWISE ON THE PLANS THE REMOVAL AND RESTORATION WILL BE INCLUDED IN THE CONTRACT.
- THE LOCATION OF THE DETECTOR LOOPS AND TRAFFIC SIGNAL FOUNDATIONS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER OF TRAFFIC OPERATIONS.
- IN AREAS WHERE MULTIPLE RUNS OF PARALLEL CONDUIT ARE IN THE SAME LOCATION, TRENCH AND BACKFILL WILL ONLY BE PAID FOR ONCE.
- NOT USED
- SAWED SLOTS FOR TWISTED PAIR ELECTRIC CABLE WILL BE LARGER THAN SINGLE CONDUCTOR LOOP SLOTS.
- ALL DETECTOR LOOPS MUST BE INSTALLED PRIOR TO RESURFACING.
- ALL PROPOSED MAST ARM POLES MUST BE LOCATED NO CLOSER THAN 6 FT. FROM FACE OF CURB TO THE CENTER OF POLE; ALL PROPOSED TRAFFIC SIGNAL POSTS WILL BE LOCATED NO CLOSER THAN 4-1/2' FROM THE FACE OF CURB TO CENTER OF THE POST, UNLESS OTHERWISE SHOWN ON THE PLAN.
- THE CONTRACTOR WILL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.
- THE DISTRICT BUREAU OF OPERATIONS MUST BE NOTIFIED AT LEAST 10 DAYS PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS.



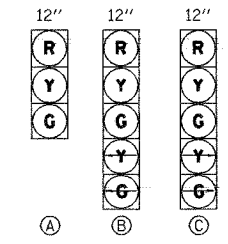
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 IL RTE 142  
 TRAFFIC SIGNAL & LIGHTING  
 SCHEDULE OF QUANTITIES  
 AND SIGN DETAILS

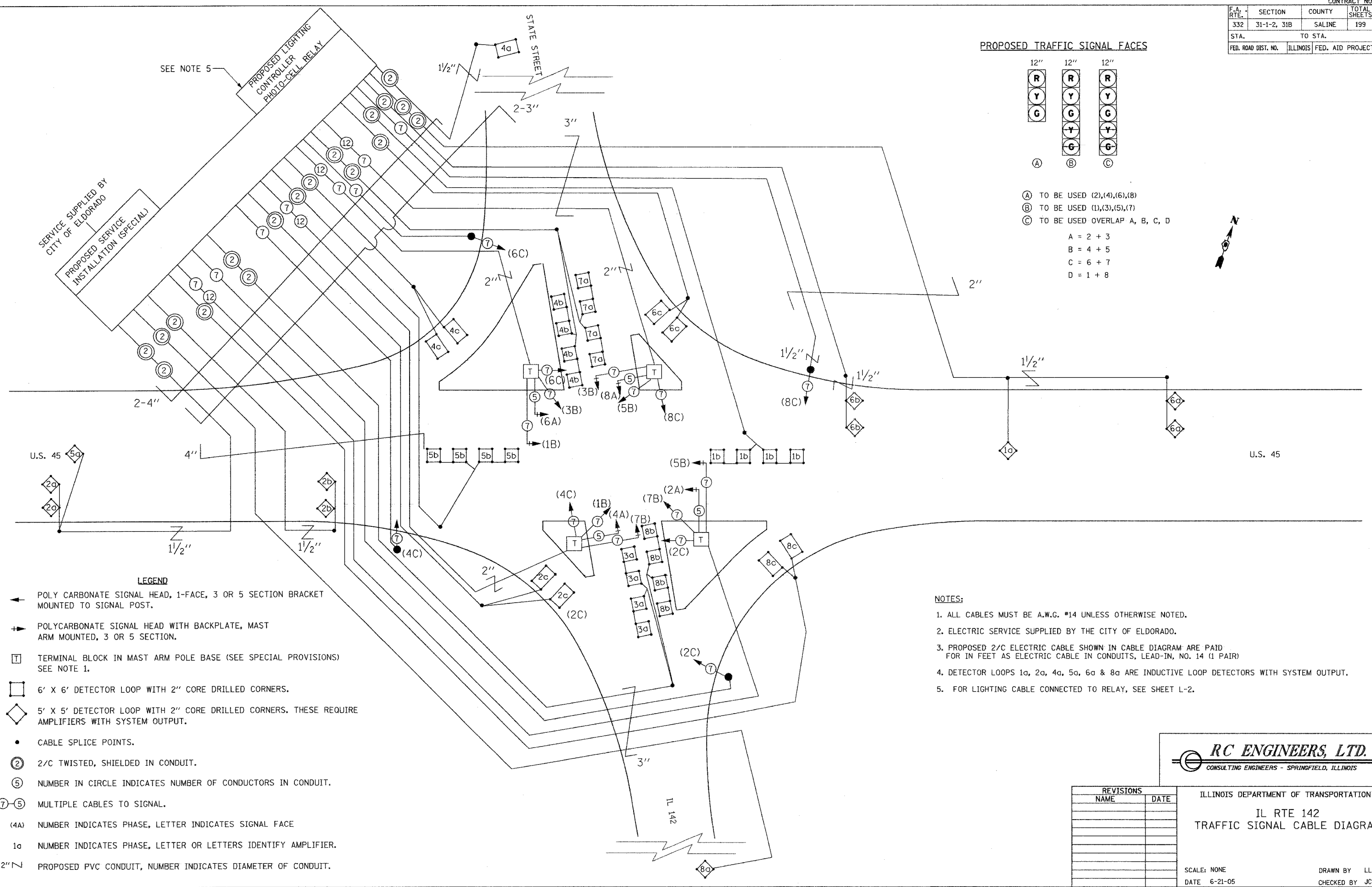
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 DRAWN BY: LLO/DJK  
 CHECKED BY: JCP/RCG

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	93
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PROPOSED TRAFFIC SIGNAL FACES



- (A) TO BE USED (2),(4),(6),(8)
- (B) TO BE USED (1),(3),(5),(7)
- (C) TO BE USED OVERLAP A, B, C, D
- A = 2 + 3
- B = 4 + 5
- C = 6 + 7
- D = 1 + 8



LEGEND

- ← POLY CARBONATE SIGNAL HEAD, 1-FACE, 3 OR 5 SECTION BRACKET MOUNTED TO SIGNAL POST.
- POLYCARBONATE SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED, 3 OR 5 SECTION.
- T TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS) SEE NOTE 1.
- 6' X 6' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS.
- ◇ 5' X 5' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. THESE REQUIRE AMPLIFIERS WITH SYSTEM OUTPUT.
- CABLE SPLICE POINTS.
- ② 2/C TWISTED, SHIELDED IN CONDUIT.
- ⑤ NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN CONDUIT.
- ⑦-⑤ MULTIPLE CABLES TO SIGNAL.
- (4A) NUMBER INDICATES PHASE, LETTER INDICATES SIGNAL FACE
- 1a NUMBER INDICATES PHASE, LETTER OR LETTERS IDENTIFY AMPLIFIER.
- 2" PVC PROPOSED PVC CONDUIT, NUMBER INDICATES DIAMETER OF CONDUIT.

NOTES:

1. ALL CABLES MUST BE A.W.G. #14 UNLESS OTHERWISE NOTED.
2. ELECTRIC SERVICE SUPPLIED BY THE CITY OF ELDORADO.
3. PROPOSED 2/C ELECTRIC CABLE SHOWN IN CABLE DIAGRAM ARE PAID FOR IN FEET AS ELECTRIC CABLE IN CONDUITS, LEAD-IN, NO. 14 (1 PAIR)
4. DETECTOR LOOPS 1a, 2a, 4a, 5a, 6a & 8a ARE INDUCTIVE LOOP DETECTORS WITH SYSTEM OUTPUT.
5. FOR LIGHTING CABLE CONNECTED TO RELAY, SEE SHEET L-2.

**RC ENGINEERS, LTD.**  
CONSULTING ENGINEERS - SPRINGFIELD, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
IL RTE 142  
TRAFFIC SIGNAL CABLE DIAGRAM

SCALE: NONE  
DATE 6-21-05  
DRAWN BY LLO  
CHECKED BY JCP

FILES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	94
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**STOP BAR LOCATIONS**

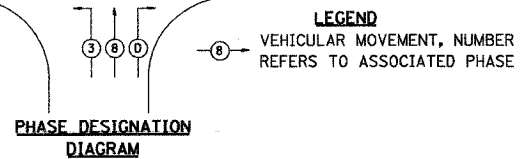
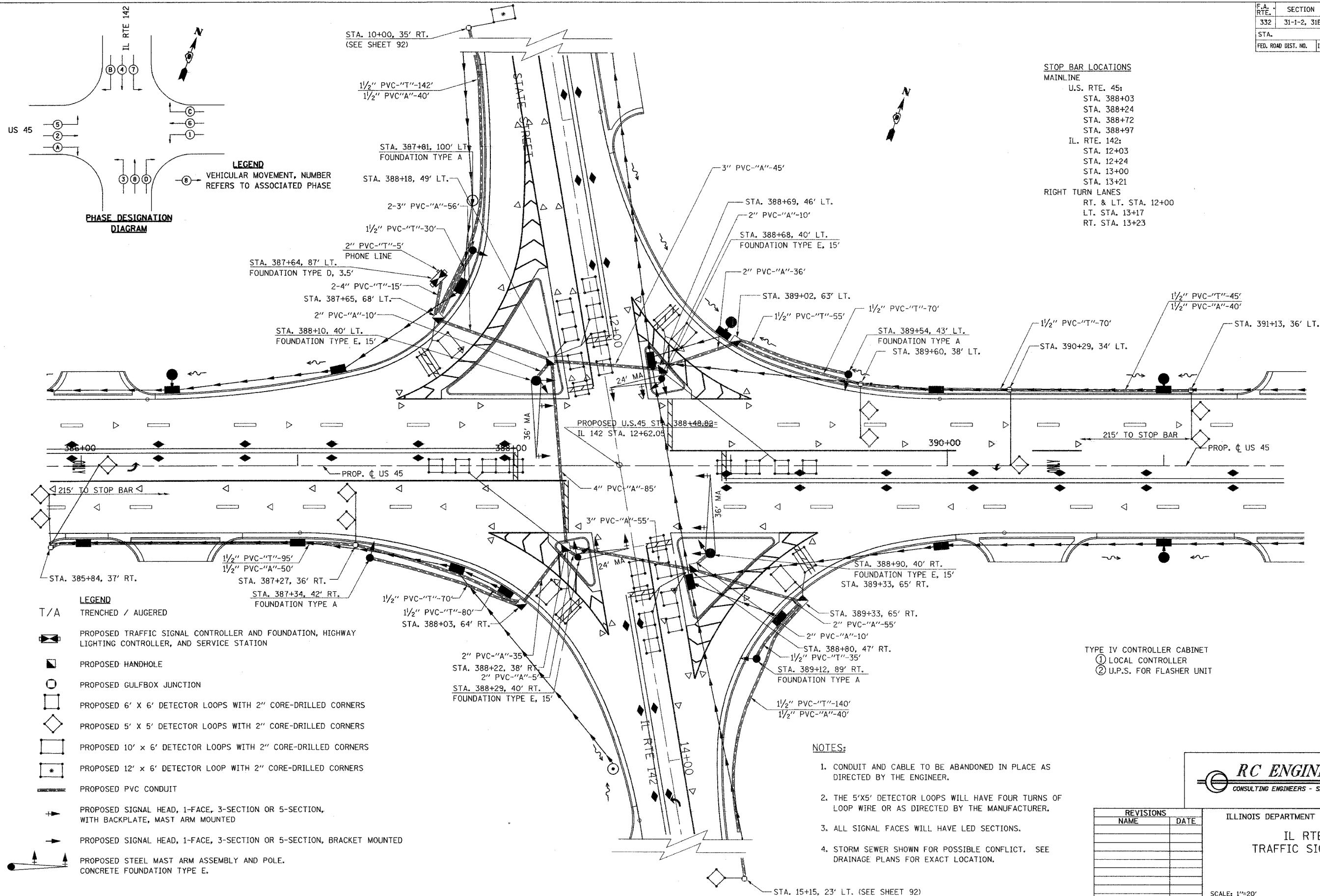
**MAINLINE**

- U.S. RTE. 45:
- STA. 388+03
- STA. 388+24
- STA. 388+72
- STA. 388+97

- IL. RTE. 142:
- STA. 12+03
- STA. 12+24
- STA. 13+00
- STA. 13+21

**RIGHT TURN LANES**

- RT. & LT. STA. 12+00
- LT. STA. 13+17
- RT. STA. 13+23



- LEGEND**
- T/A TRENCHED / AUGERED
  - PROPOSED TRAFFIC SIGNAL CONTROLLER AND FOUNDATION, HIGHWAY LIGHTING CONTROLLER, AND SERVICE STATION
  - PROPOSED HANDHOLE
  - PROPOSED GULFBOX JUNCTION
  - PROPOSED 6' X 6' DETECTOR LOOPS WITH 2" CORE-DRILLED CORNERS
  - PROPOSED 5' X 5' DETECTOR LOOPS WITH 2" CORE-DRILLED CORNERS
  - PROPOSED 10' X 6' DETECTOR LOOPS WITH 2" CORE-DRILLED CORNERS
  - PROPOSED 12' X 6' DETECTOR LOOP WITH 2" CORE-DRILLED CORNERS
  - PROPOSED PVC CONDUIT
  - PROPOSED SIGNAL HEAD, 1-FACE, 3-SECTION OR 5-SECTION, WITH BACKPLATE, MAST ARM MOUNTED
  - PROPOSED SIGNAL HEAD, 1-FACE, 3-SECTION OR 5-SECTION, BRACKET MOUNTED
  - PROPOSED STEEL MAST ARM ASSEMBLY AND POLE. CONCRETE FOUNDATION TYPE E.

- NOTES:**
1. CONDUIT AND CABLE TO BE ABANDONED IN PLACE AS DIRECTED BY THE ENGINEER.
  2. THE 5'X5' DETECTOR LOOPS WILL HAVE FOUR TURNS OF LOOP WIRE OR AS DIRECTED BY THE MANUFACTURER.
  3. ALL SIGNAL FACES WILL HAVE LED SECTIONS.
  4. STORM SEWER SHOWN FOR POSSIBLE CONFLICT. SEE DRAINAGE PLANS FOR EXACT LOCATION.

- TYPE IV CONTROLLER CABINET**
- ① LOCAL CONTROLLER
  - ② U.P.S. FOR FLASHER UNIT

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CONSULTING ENGINEERS - SPRINGFIELD, ILLINOIS

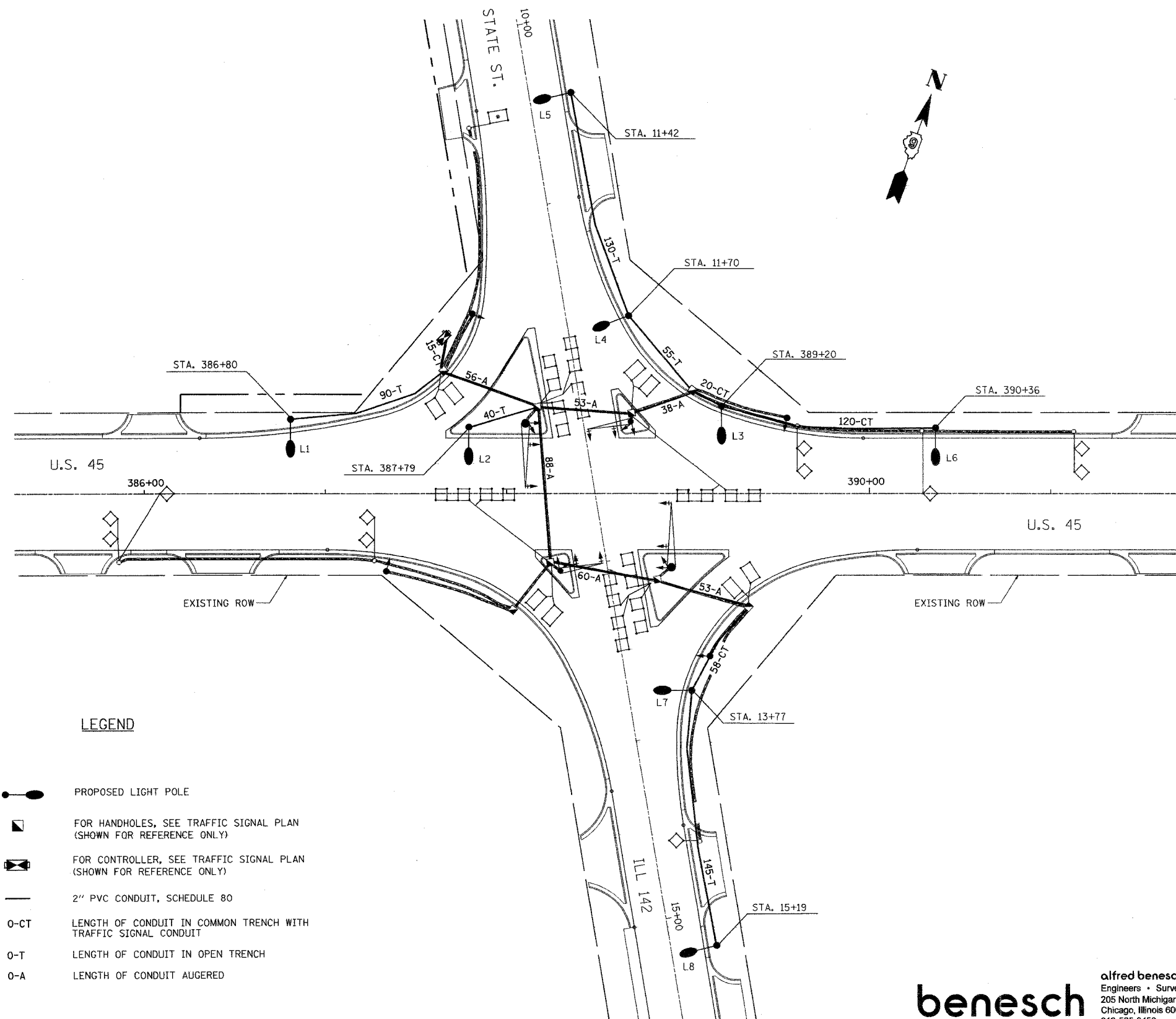
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**IL RTE 142  
TRAFFIC SIGNAL PLAN**

REVISIONS	
NAME	DATE

SCALE: 1"=20'  
DATE: 6-21-05  
DRAWN BY: LLO/DJK  
CHECKED BY: JCP/VJD



CONTRACT NO. 98631				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	95
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**GENERAL NOTES-LIGHTING PLAN**

1. THE CONTRACTOR WILL MATCH THE BOLT CIRCLE OF THE POLE BASE WITH THE BOLT CIRCLE OF THE PROPOSED METAL FOUNDATION.
2. ANCHOR BOLTS WILL NOT BE PAID SEPARATELY, BUT WILL BE INCIDENTAL TO THE FOUNDATION.
3. THE LIGHTING INSTALLATION WILL COMPLY WITH APPLICABLE NEC CODE AND STANDARDS.
4. LIGHT POLES WILL LOCATED 6 FT FROM THE FACE OF THE CURB TO THE CENTER OF THE POLE.
5. LIGHT POLES WILL BE AFFIXED WITH POLE NUMBERS TO MATCH THE EXISTING POLE NUMBERS. IF THE EXISTING POLES DO NOT SHOW ANY POLE NUMBERS, THAN THE NEW POLE NUMBERS WILL BE AFFIXED PER PLANS. POLE NUMBER SPECIFICATIONS WILL BE PER STANDARD SPECIFICATIONS SEC. 1069.02.
6. STANDARD SPECIFICATIONS SEC. 1069.02.
7. LIGHT POLE LOCATIONS WILL BE PER PLAN LOCATIONS +5' OR AS DIRECTED BY THE ENGINEER TO AVOID CONFLICTS.
8. CONTRACTOR WILL COMPLY WITH GENERAL ELECTRICAL/LIGHTING REQUIREMENTS PER SS SECTION 801. LIGHTING WILL BE MAINTAINED OPERATIONAL EVERY NIGHT AND THE COST OF MAINTENANCE IS INCLUDED IN THE RELOCATION OF EXISTING LIGHTING UNIT ITEM.
9. LIGHTING SYSTEM WILL COMPLY WITH NEC 250 AND SEC. 806 FOR GROUNDING REQUIREMENTS, THIS WORK WILL NOT BE PAID SEPARATELY BUT WILL BE INCLUDED IN THE ELECTRIC CABLE IN CONDUIT PAY ITEM.
10. BREAKAWAY COUPLINGS TO BE INSTALLED AT ALL LIGHT POLE LOCATIONS. COUPLING WILL BE INCIDENTAL TO THE LIGHT POLE UNIT.
11. FOR CONTROLLER LOCATION, SEE PROPOSED TRAFFIC SIGNAL PLAN.

**LEGEND**

- PROPOSED LIGHT POLE
- FOR HANDHOLES, SEE TRAFFIC SIGNAL PLAN (SHOWN FOR REFERENCE ONLY)
- FOR CONTROLLER, SEE TRAFFIC SIGNAL PLAN (SHOWN FOR REFERENCE ONLY)
- 2" PVC CONDUIT, SCHEDULE 80
- O-CT LENGTH OF CONDUIT IN COMMON TRENCH WITH TRAFFIC SIGNAL CONDUIT
- O-T LENGTH OF CONDUIT IN OPEN TRENCH
- O-A LENGTH OF CONDUIT AUGERED

L-1

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		IL RTE 142 AT U.S. 45 PROPOSED LIGHTING PLAN
SCALE: 1"=30'		DRAWN BY DJK CHECKED BY RCC
DATE		

**benesch**

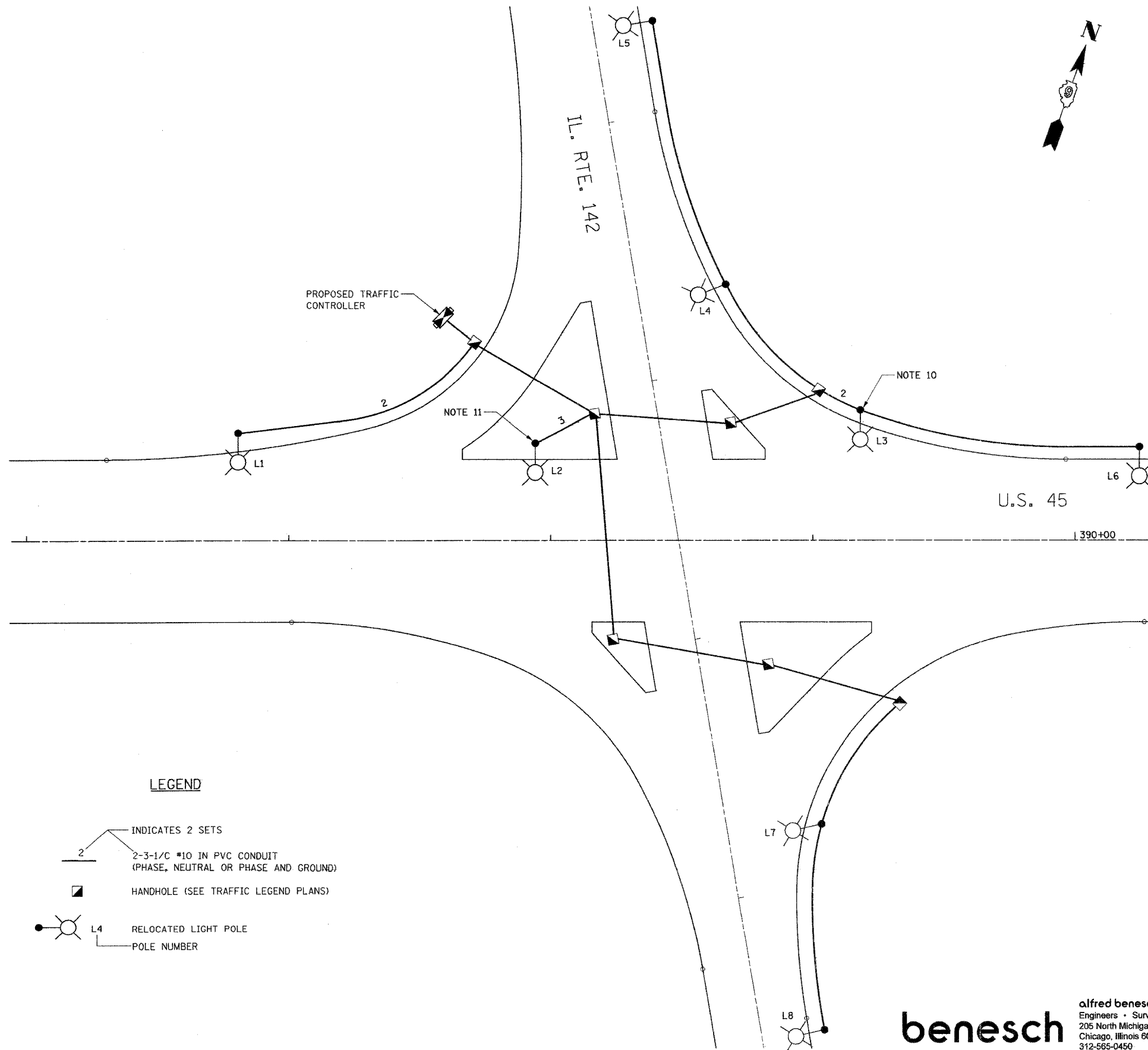
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Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450

FILE 49

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	96
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**GENERAL NOTES-LIGHTING PLAN**

1. A 30 AMP CIRCUIT BREAKER WILL BE ADDED TO THE PROPOSED TRAFFIC CONTROLLER. THIS CIRCUIT BREAKER WILL BE DEDICATED TO THE FEED FOR THE STREET LIGHTING IN THE AREA.
2. ALL CONDUCTORS MUST BE COLOR CODED. PHASE (BLACK OR RED), NEUTRAL (WHITE), GROUND (GREEN). CONDUCTORS WILL BE CONTINUOUS WITHOUT SPLICES FROM THE LIGHT POLE TO THE HANDHOLE AND BETWEEN HANDHOLES AND TO THE CONTROLLER.
3. SPLICING OF LIGHTING CONDUCTORS WILL NOT BE PERMITTED IN THE BELOW GRADE HANDHOLES. SPLICING WILL BE DONE AT THE POLE HANDHOLES ONLY.
4. LIGHT POLES SHALL HAVE FUSES AND FUSE HOLDERS PER SS SEC. 1065.01.
5. POLE WIRE WILL BE #10 AWG PER SS SEC. 1066.09.
6. THE LIGHTING INSTALLATION WILL COMPLY WITH APPLICABLE NEC CODE AND STANDARDS.
7. CONTRACTOR SHALL MATCH THE LUMINAIRE INPUT VOLTAGE WITH SERVICE VOLTAGE AT THE POLE HANDHOLE. IF THE LUMINAIRE INPUT VOLTAGE IS DIFFERENT FROM THE SERVICE VOLTAGE, THE CONTRACTOR WILL BE PERMITTED TO REPLACE THE BALLAST, LUMINAIRE OR TRANSFORMER AT NO ADDITIONAL COST TO THE CONTRACT TO MAKE THE LIGHTING SYSTEM OPERATIONAL.
8. CONTRACTOR WILL COMPLY WITH GENERAL ELECTRICAL/LIGHTING REQUIREMENTS PER SS SECTION 801. LIGHTING WILL BE MAINTAINED OPERATIONAL EVERY NIGHT AND THE COST OF MAINTENANCE IS INCLUDED IN THE RELOCATION OF EXISTING LIGHTING UNIT ITEM.
9. LIGHTING SYSTEM WILL COMPLY WITH NEC 250 AND SEC. 806 FOR GROUNDING REQUIREMENTS, THIS WORK WILL NOT BE PAID SEPARATELY BUT WILL BE INCLUDED IN THE ELECTRIC CABLE IN CONDUIT PAY ITEM.
10. SPLICE BOTH LIGHT UNITS L4 AND L6 TO L3 AT LIGHT POLE HANDHOLE.
11. SPLICE BOTH LIGHT UNITS L3 AND L7 TO L2 AT LIGHT POLE HANDHOLE.



**LEGEND**

- 2 — INDICATES 2 SETS
- 2-3-1/C #10 IN PVC CONDUIT (PHASE, NEUTRAL OR PHASE AND GROUND)
- HANDHOLE (SEE TRAFFIC LEGEND PLANS)
- ⊙ L4 RELOCATED LIGHT POLE
- POLE NUMBER

L-2

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL RTE 142 AT U.S. 45  
LIGHTING WIRING PLAN

SCALE: NONE  
DATE

DRAWN BY DJK  
CHECKED BY RCG

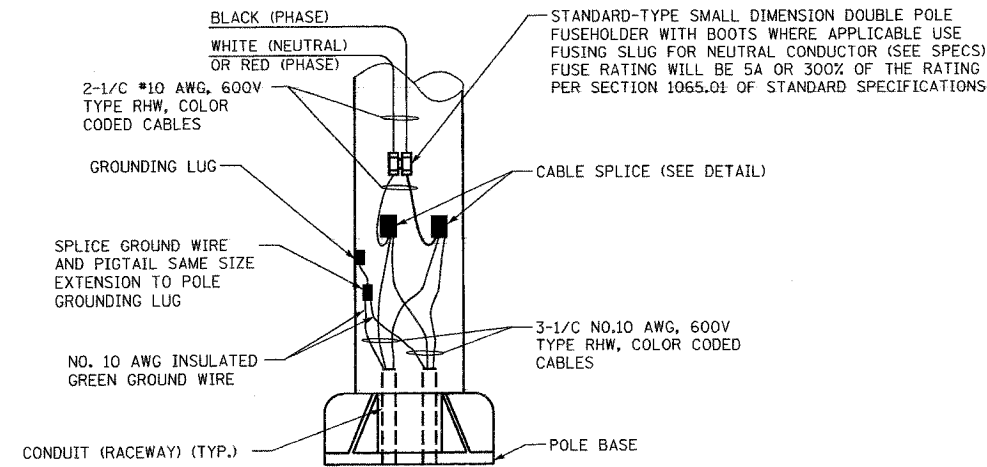
**benesch**

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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450

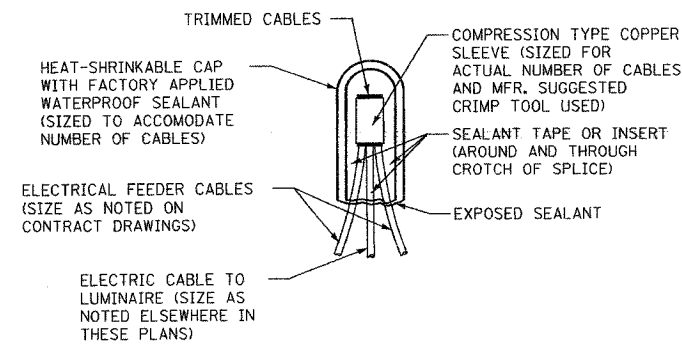
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	97
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. THE HELIX FOUNDATION SHAFT BASE PLATES, HELICAL PLATE, HELIX SCREW, PILOT POINT, AND STOCK BAR WILL BE ASTM A36 STRUCTURAL STEEL OR BETTER.
3. ALL WELDS MUST BE CONTINUOUS AND NOT LESS THAN 6.35 mm (1/4") FILLET WELDS. THE WELDED FOUNDATION MUST BE CAPABLE OF WITHSTANDING 13558.18 n.m (10,000 FT/LBS) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT WILL BE INSTALLED VERTICAL AND THE BASE PLATE MUST BE IN LEVEL.
5. THE CABLE TRENCH WILL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. ANCHOR BOLT STUDS WILL BE 25.4 mm (1-INCH) DIAMETER AND WILL COMPLY WITH THE REQUIREMENTS OF ASTM DESIGNATION A687.
7. THE CONTRACTOR MUST COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURERS REQUIREMENTS WHERE APPLICABLE.
8. ANY VOIDS WITHIN THE METAL FOUNDATION MUST BE FILLED WITH FINE AGGREGATE.
9. METAL FOUNDATIONS WILL BE INSTALLED IN UNDISTURBED SOIL. PRE DRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
10. THE METAL FOUNDATION MUST NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURERS MAXIMUM TORQUE RATING NOR WILL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 4.750 KNM (3,500 FT LB). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE MUST BE REMOVED AND REPLACED WITH CONCRETE FOUNDATION AT NO ADDITIONAL COST.
11. THE BOLT CIRCLE D MUST MATCH THE BOTTOM BOLT CIRCLE OF THE EXISTING TRANSFORMER BASE.
12. CONTRACTOR WILL FURNISH AND INSTALL 10' LONG SHAFT HELIX FOUNDATION AT LOCATIONS WITH 2:1 OR STEEP SLOPE AT NO ADDITIONAL COST.

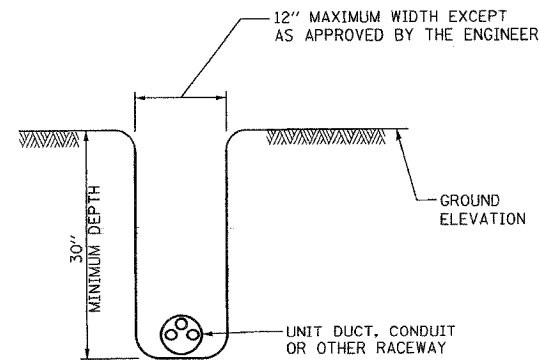


**POLE WIRING DETAIL**  
N.T.S.

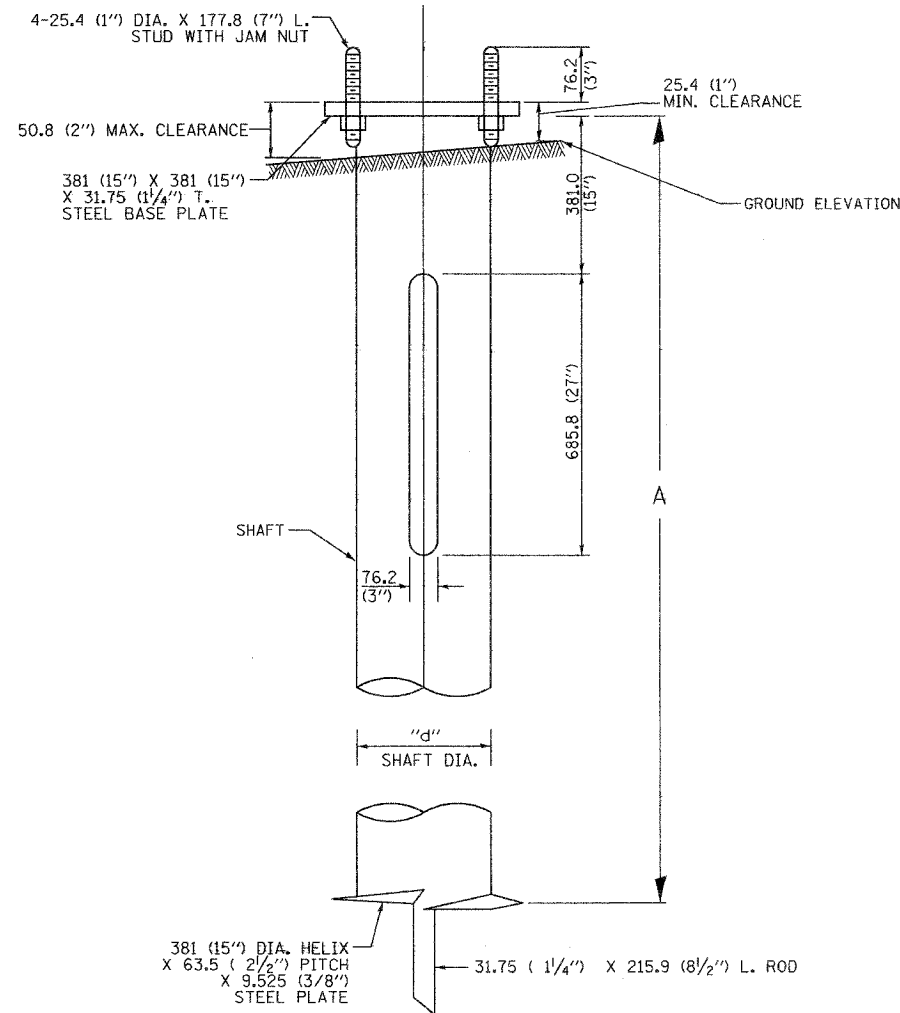
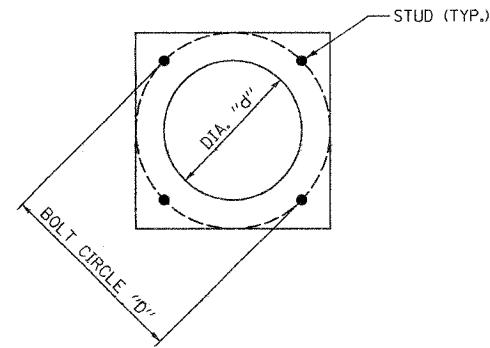


**TYPICAL SPLICE DETAIL**  
N.T.S.

NOTE THAT NUMBER OF CABLES IN SPLICE MAY VARY



**TYPICAL TRENCH DETAIL**  
N.T.S.



**HELIX FOUNDATION SIZE**

POLE MOUNTING HEIGHT	BOLT CIRCLE "D"	SHAFT LENGTH "A"		SHAFT DIA. "d"
		ON FLAT GROUND	ON 2:1 OR STEEP SLOPE	
40'-0"	15	10'-0"	10'-0"	10"

**METAL HELIX FOUNDATION MATERIALS**

ITEM	MATERIAL REQUIREMENT	
BASEPLATE	AASHTO M 270M	GALVANIZED, AASHTO M 111, GRADE B
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM)	GALVANIZED, AASHTO M 111, GRADE B
HELIX SCREW	AASHTO M 183 OR ASTM A 635	GALVANIZED, AASHTO M 111, GRADE B
PILOT POINT	AASHTO M 183 OR ASTM A 575	GALVANIZED, AASHTO M 111, GRADE B
ANCHOR RODS/STUDS	AASHTO M 314	GALVANIZED, AASHTO M 232
HEXAGON NUTS	AASHTO M 291M	GALVANIZED, AASHTO M 232
WASHERS	AASHTO M 293	GALVANIZED, AASHTO M 232

L-3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILL. RTE. 142 AND U.S. 45  
LIGHTING DETAILS

SCALE: NONE  
DATE

DRAWN BY DJK  
CHECKED BY RCG

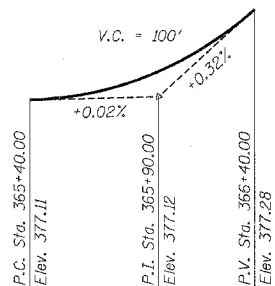
**benesch**

alfred benesch & company  
Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450

Bench Mark : BM 370 "□" Cut in SE wing wall of Bridge 083-0003 at Sta. 365+70, 20' Rt. of new Rt. 45 @ Elev. 376.732

Existing Structure : S.N. 083-0003, single span 30'-2 1/4" bk to bk abutments, 16" R.C. slab bridge 68'-7" out to out closed abutments. Originally Built in 1922. Built as S.B.I. Route 1, Section 31B-Y at Sta. 365+85.7. Structure widened in 1948. The contractor shall remove existing structure SN 083-0003 and construct new triple box culvert SN 083-2014. Traffic shall be maintained during the construction of the structure by stage construction.

No Salvage.



**PROFILE GRADE**  
Along @ U.S. Route 45

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

Reinforcement bars shall conform to the requirements of AASHTO M 31, or M 322 Grade 60.

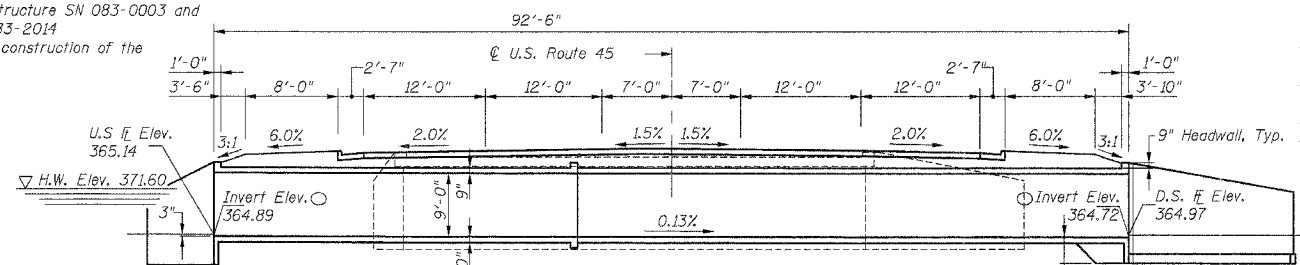
Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

For Backfilling and Embankment, See Standard Specifications.

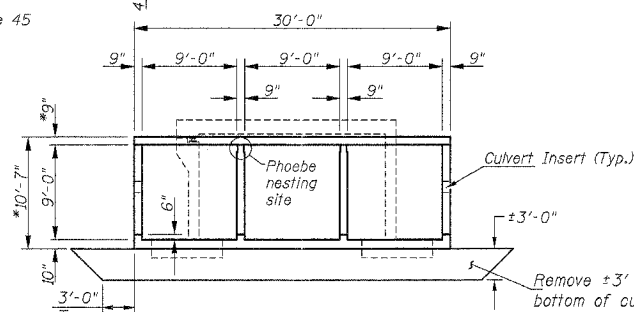
Exposed edges shall have a 3/4" chamfer unless otherwise noted.

A distance of half the length of the wingwall but not less than 6'-0" of barrel shall be cast monolithically with the wingwalls.

Precast alternate is not allowed



**ELEVATION**  
Dimensions at Right Angle to @ U.S. Route 45



**SECTION THRU BARREL**

Remove ±3' of soil below proposed bottom of culvert and spread footings for T-type wingwalls and backfill with 7" of Porous Granular Embankment (CA-6) and 2'-6" of Breaker-Run Crushed Stone.

F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1, 42-1	SALINE	199	78
STA.		TO STA.		
FED. ROAD DIST. NO. 9 ILLINOIS FED. AID PROJECT				

Sheet 1 of 7 Sheets  
**CONTRACT NO. 98631**

**LOADING HS20-44**

Allow 50 lb/ft<sup>2</sup> for future wearing surface.

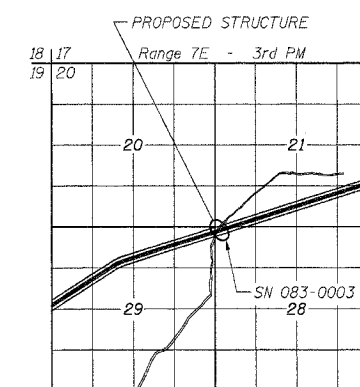
**DESIGN SPECIFICATIONS**

1996 AASHTO with 1997, 1998, 1999 and 2000 interims.

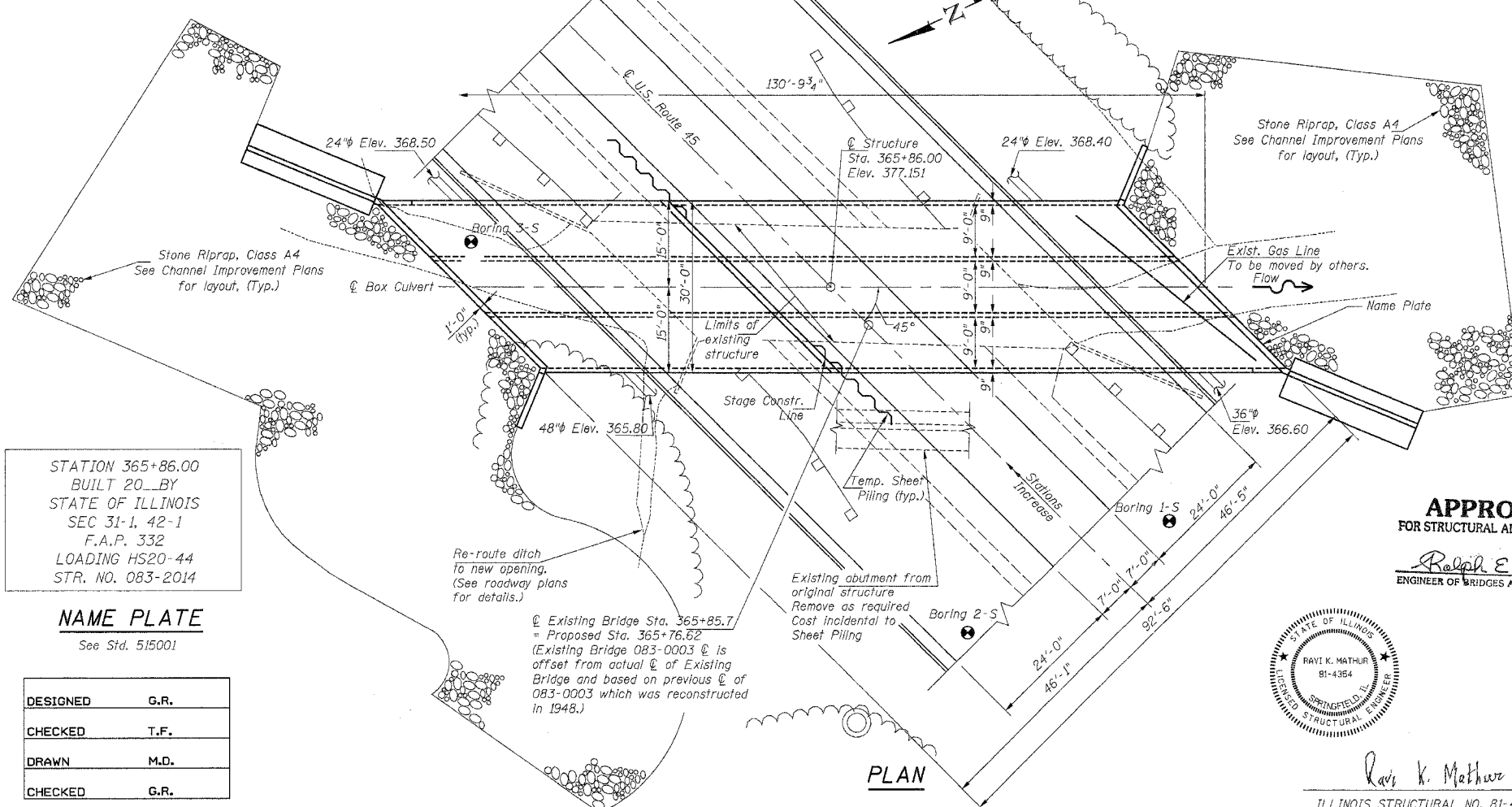
**DESIGN STRESSES**

**FIELD UNITS**

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinf.)  
 $q_{all} = 2,300$  psf



**LOCATION SKETCH**



**PLAN**

STATION 365+86.00  
BUILT 20\_\_ BY  
STATE OF ILLINOIS  
SEC 31-1, 42-1  
F.A.P. 332  
LOADING HS20-44  
STR. NO. 083-2014

**NAME PLATE**

See Std. 515001

DESIGNED	G.R.
CHECKED	T.F.
DRAWN	M.D.
CHECKED	G.R.

**TOTAL BILL OF MATERIAL**

ITEMS	UNIT	TOTAL
Removal of Existing Structures	Each	1
Concrete Box Culvert	Cu. Yd.	421.4
Reinforcement Bars	Pound	142,020
Reinforcement Bars, Epoxy Coated	Pound	720
Name Plates	Each	1
Stone Riprap, Class A4	Sq. Yd.	966
Filter Fabric for use with Riprap	Sq. Yd.	966
Temporary Sheet Piling	Sq. Ft.	1,261
Bar Splacers	Each	142
Structure Excavation	Cu. Yd.	685.7
Porous Granular Embankment	Ton	291
Breaker Run Crushed Stone	Ton	1,157

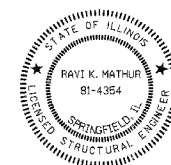
**WATERWAY INFORMATION**

Drainage Area = 1.9 Sq. Mi. Low Grade Elev. = 377.1 ft. @ Sta. 365+86

Flood	Freq. Yr.	Q cfs	Opening Sq. ft.		Nat. H.W.E. ft.	Head - ft.		Headwater Elev. - ft.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	50	755	77	165	371.6	2.4	0.3	374.0	371.9
Base	100	855	83	173	371.9	2.7	0.4	374.6	372.3
Overlapping	—	—	—	—	—	—	—	—	—
Max. Calc.	500	1090	95	191	372.6	3.3	0.7	375.9	373.3

**APPROVED**  
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson  
ENGINEER OF BRIDGES AND STRUCTURES



Ravi K. Mathur 6.24.2005  
ILLINOIS STRUCTURAL NO. 81-4354 EXPIRES 11-30-2006

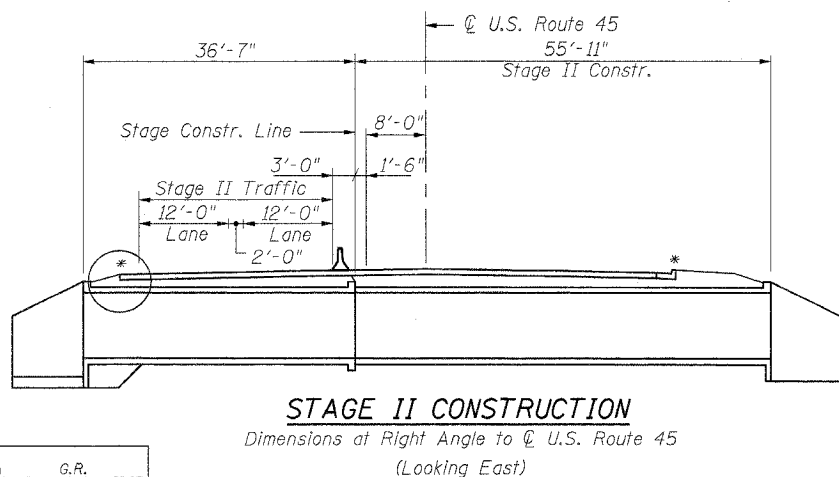
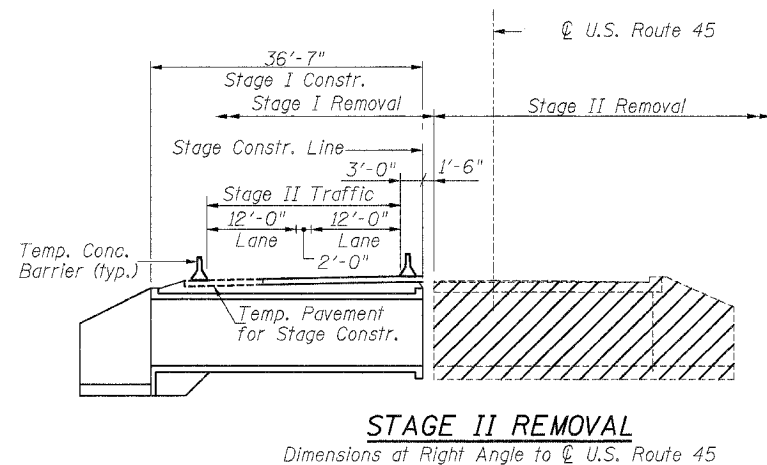
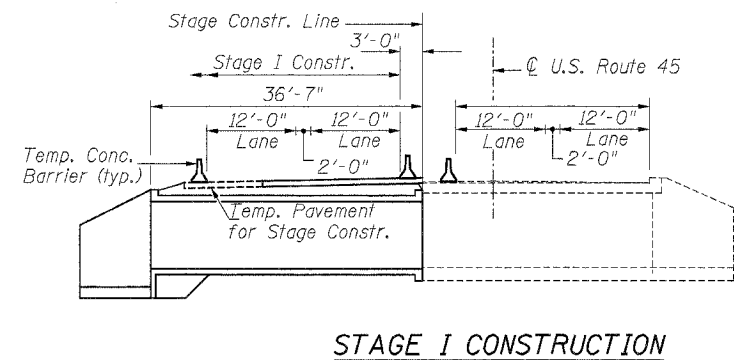
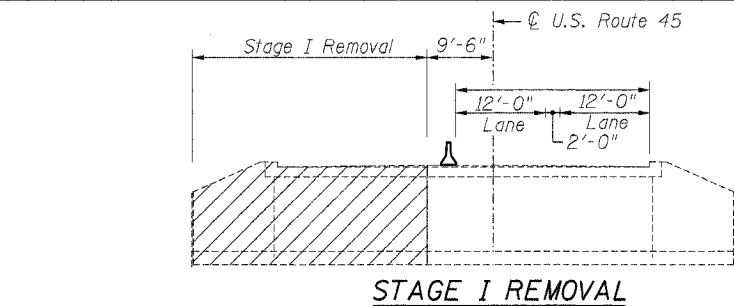
**GENERAL PLAN**  
**U.S. ROUTE 45 OVER**  
**TRIBUTARY TO MIDDLE FORK OF SALINE RIVER**  
**F.A.P. ROUTE 332 SECTION 31-1, 42-1**  
**SALINE COUNTY**  
**STATION 365+86.00**  
**STRUCTURE NUMBER 083-2014**



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

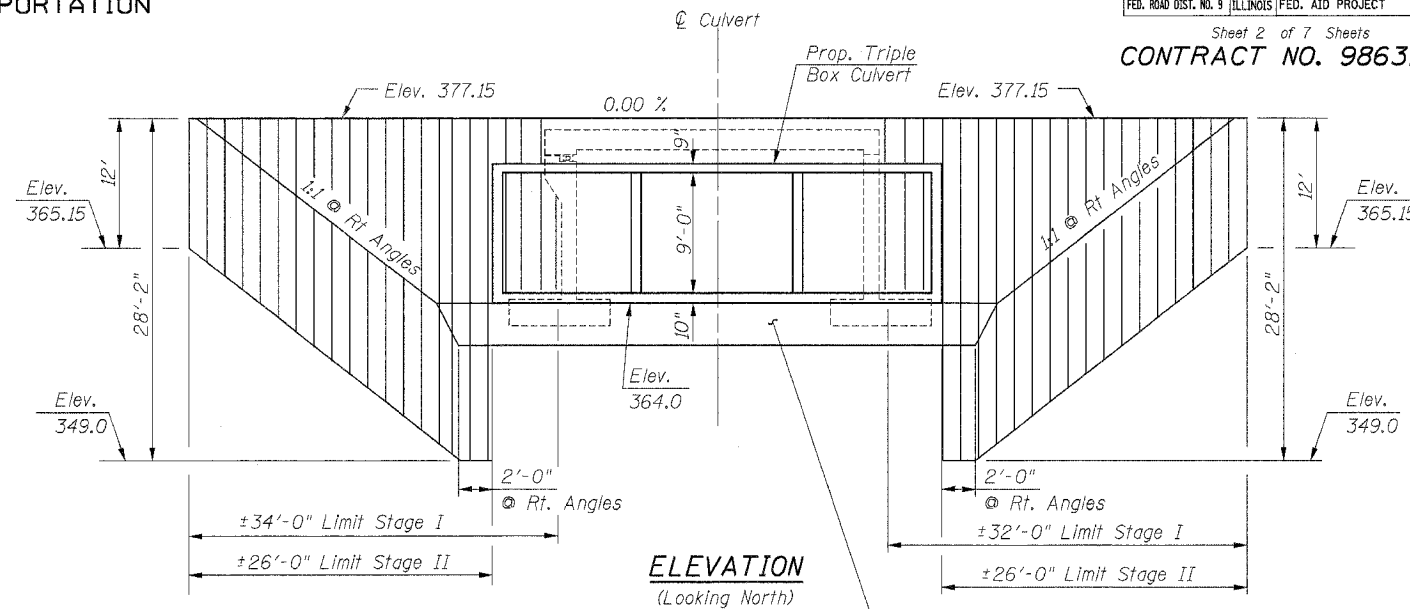
F.A.P. SECTION	COUNTY	TOTAL SHEET NO.
332 31-1, 42-1	SALINE	199 99
STA.	TO STA.	
FED. ROAD DIST. NO. 9	ILLINOIS FED. AID PROJECT	

Sheet 2 of 7 Sheets  
CONTRACT NO. 98631



DESIGNED	G.R.
CHECKED	T.F.
DRAWN	M.D.
CHECKED	G.R.

Hatched Areas indicate removal of existing structures  
\*Construct C & G before opening Rdwy to permanent traffic.



Remove ±3' of soil below proposed bottom of culvert and spread footings for T-type wingwalls and backfill with 7" of Porous Granular Embankment (CA-6) and 2'-6" of Breaker-Run Crushed Stone.

**MATERIAL REQUIREMENTS**

Minimum Required Section Modulus of Temporary Sheet Piling: 26.4 in<sup>3</sup>/Ft  
 fy= 38.5 Ksi (Temporary Sheet Piling)  
 fy= 36 Ksi (Structural Steel M270 Gr. 250)  
 Embedment Depth = ±12'

**TEMPORARY SHEET PILING DETAIL**

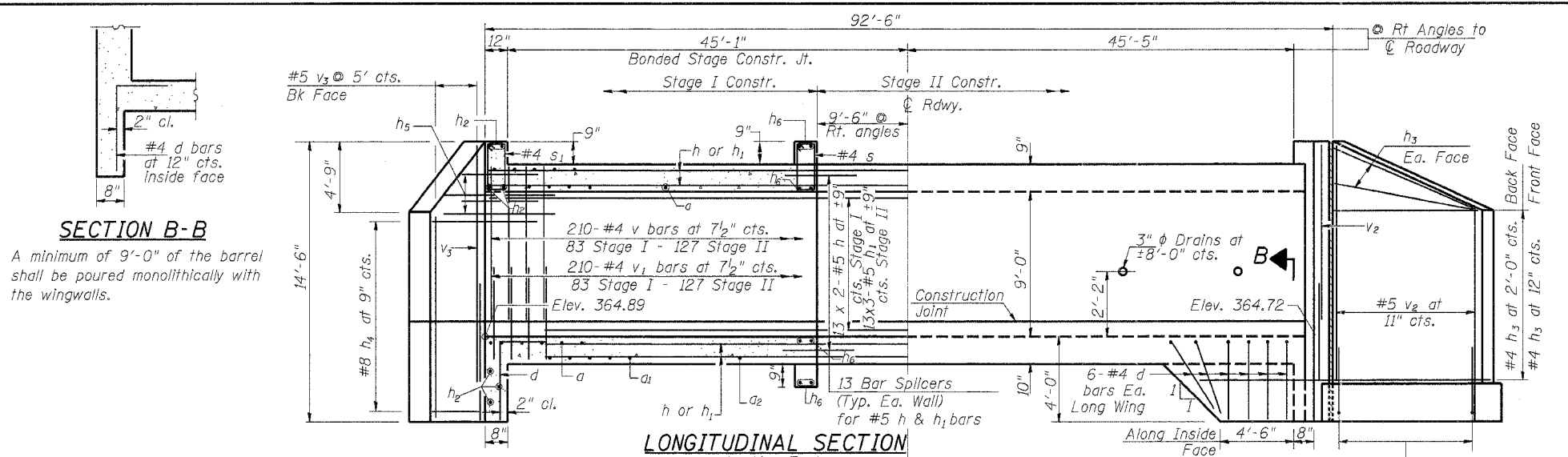
If the contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans for lesser design requirements, then full design submittals with the required seals will be expected by the Department for review and approval.

STAGE CONSTRUCTION DETAILS  
U.S. ROUTE 45 OVER  
TRIBUTARY TO MIDDLE FORK OF SALINE RIVER  
F.A.P. ROUTE 332 SECTION 31-1, 42-1  
SALINE COUNTY  
STATION 365+86.00  
STRUCTURE NUMBER 083-2014

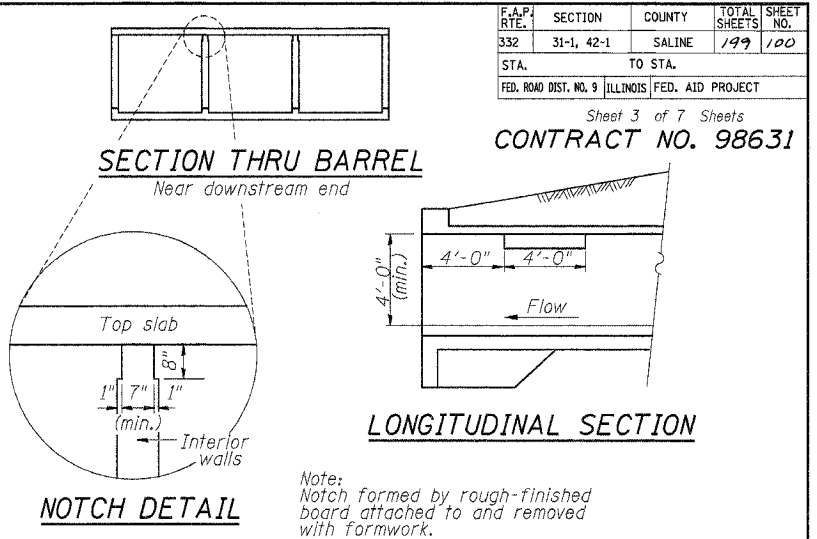


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1, 42-1	SALINE	199	100
STA.	TO STA.			
FED. ROAD DIST. NO. 9 ILLINOIS FED. AID PROJECT				

Sheet 3 of 7 Sheets  
**CONTRACT NO. 98631**



**SECTION B-B**  
 A minimum of 9'-0" of the barrel shall be poured monolithically with the wingwalls.

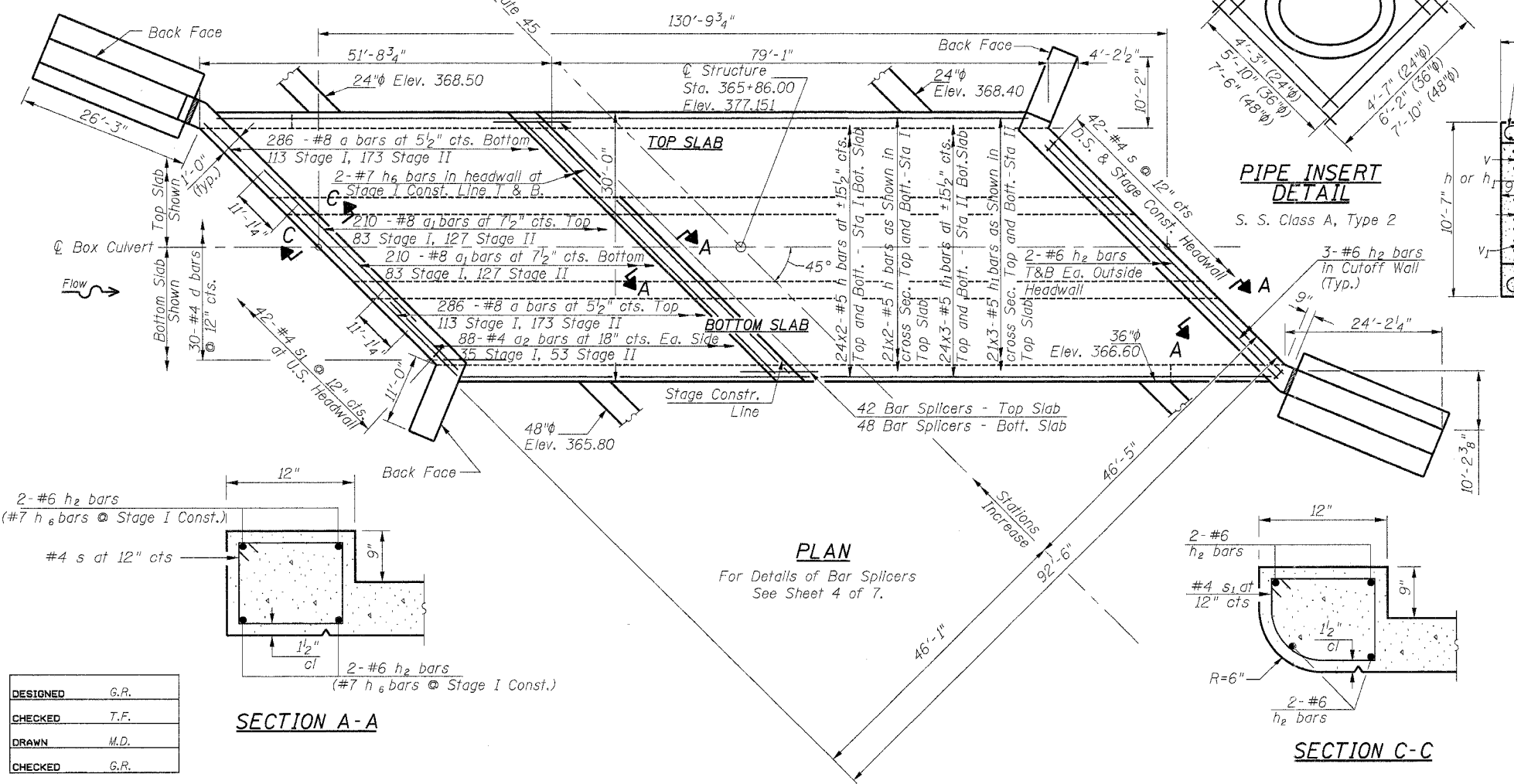
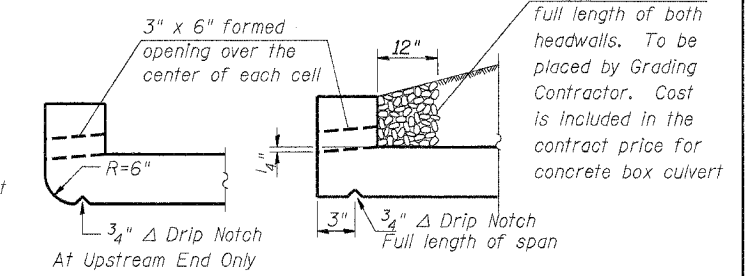


\*Note:  
 See Sheet 5 of 7 for wingwall reinforcement details

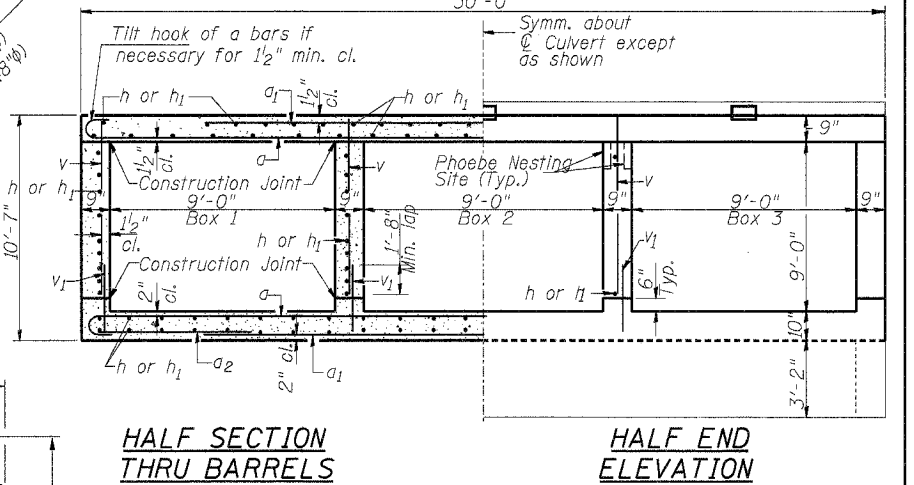
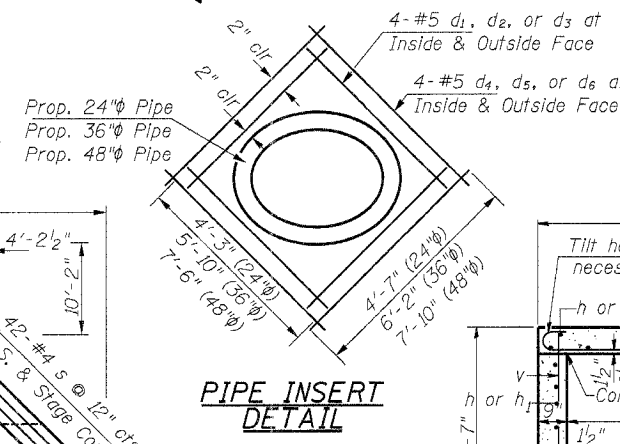
**\*SHORT WING**  
 Showing Back Face

WING WALLS	BARREL
#4 - 1'-8"	#4 - 1'-4"
#5 - 2'-2"	#5 - 1'-8"
#6 - 2'-7"	#7 - 2'-9"
#7 - 3--5"	#9 - 4'-7"

**\*LONG WING**  
 Showing Back Face



**PLAN**  
 For Details of Bar Splicers See Sheet 4 of 7.



**HALF SECTION THRU BARRELS**

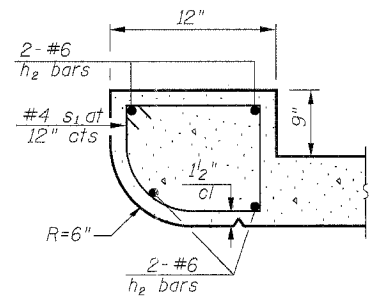
**HALF END ELEVATION**

Max. Soil Pressure Under Footing = 2.94 K/sq. ft.  
 Bars indicated thus 21 x 2-#4 bars etc. indicates 21 lines of bars with 2 lengths per line.

**CULVERT DETAILS**  
**U.S. ROUTE 45 OVER**  
**TRIBUTARY TO MIDDLE FORK OF SALINE RIVER**  
**F.A.P. ROUTE 332 SECTION 31-1, 42-1**  
**SALINE COUNTY**  
**STATION 365+86.00**  
**STRUCTURE NUMBER 083-2014**

DESIGNED	G.R.
CHECKED	T.F.
DRAWN	M.D.
CHECKED	G.R.

**SECTION A-A**



**SECTION C-C**

**RC ENGINEERS, LTD.**  
 CONSULTING ENGINEERS - SPRINGFIELD, ILLINOIS

Work this sheet with sheet No. 5 of 7