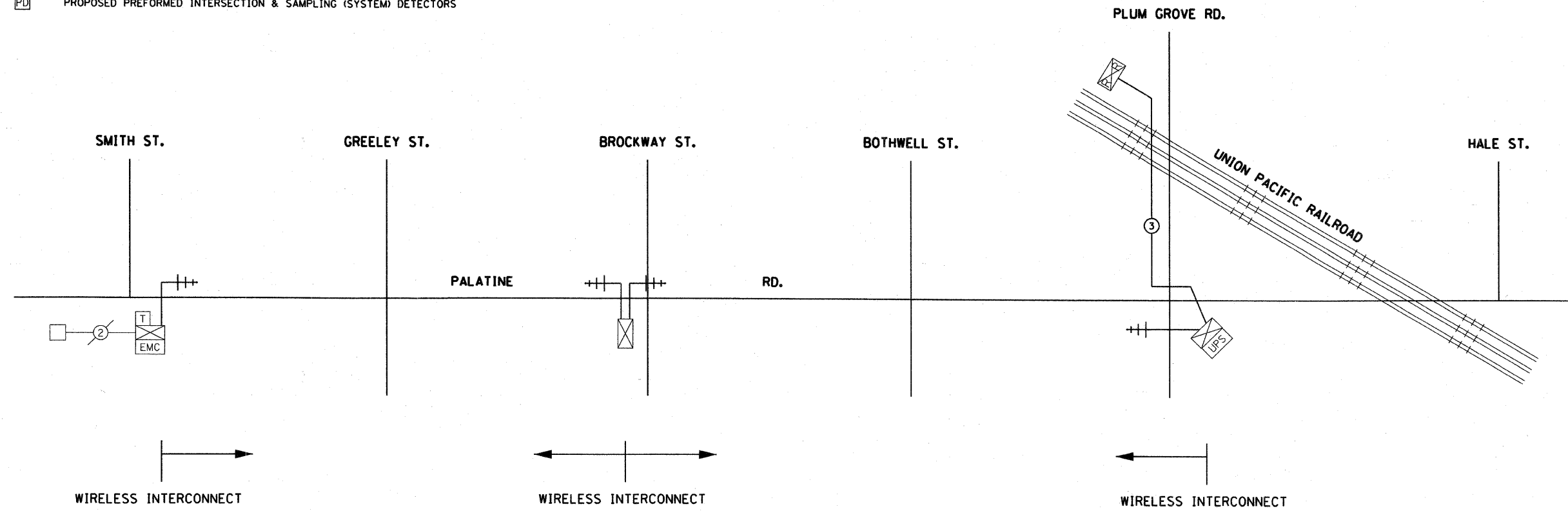
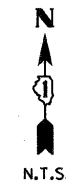


**INTERCONNECT SCHEMATIC LEGEND**

- |  |  |  |  |
|--|--|--|--|
|  | EXISTING RAILROAD CONTROLLER CABINET   |  | EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS                   |
|  | EXISTING INTERSECTION CONTROLLER   |  | PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS                   |
|  | PROPOSED INTERSECTION CONTROLLER   |  | EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F |
|  | EXISTING MASTER CONTROLLER   |  | PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F |
|  | PROPOSED MASTER CONTROLLER   |  | EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE |
|  | MASTER MASTER CONTROLLER   |  | PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE |
|  | EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS  |  | EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED    |
|  | PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS  |  | PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED    |
|  | EXISTING INTERSECTION LOOP DETECTORS, PROPOSED SAMPLING (SYSTEM) DETECTORS.                  |  | EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED               |
|  | EXISTING SAMPLING (SYSTEM) DETECTORS   |  | PROPOSED LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED               |
|  | PROPOSED SAMPLING (SYSTEM) DETECTORS   |  | EXISTING ELECTRIC CABLE, 1/C (AS SPECIFIED)                      |
|  | EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS. |  | PROPOSED ELECTRIC CABLE, 1/C (AS SPECIFIED)                      |
|  | EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED SAMPLING (SYSTEM) DETECTORS.                  |  | EXISTING TELEPHONE CONNECTION                                    |
|  | EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS                                |  | PROPOSED TELEPHONE CONNECTION                                    |
|  | PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS                                |  | RADIO INTERCONNECT ANTENNA                                       |



NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TEMPORARY INTERCONNECT SCHEMATIC  
 PALATINE ROAD  
 SMITH STREET TO PLUM GROVE ROAD  
 SCALE: NTS  
 DATE: OCTOBER 19, 2009  
 DRAWN BY: DMB  
 CHECKED BY: RY

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

**ABBREVIATIONS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	102
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
CONTRACT NO. 63083				

SYMBOL	DESCRIPTION
A	AMPERE
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
ALUM.	ALUMINUM
B.C.	BOLT CIRCLE
☉	CENTERLINE
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CTV	CABLE TV
DIA	DIAMETER
E	EXISTING UNIT TO REMAIN
EA.	EACH
EM	EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM)
ER	EXISTING RELOCATED UNIT
FT	FEET OR FOOT
FU	FUSE
GALV.	GALVANIZED
GFI	GROUND FAULT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
I.D.	INNER DIAMETER
IES	ILLUMINATING ENGINEERING SOCIETY (OF NORTH AMERICA - IESNA)
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE

SYMBOL	DESCRIPTION
KW	KILOWATTS
MA	MAST ARM
MH	METAL HALIDE
M.H.	MOUNTING HEIGHT
NEC	NATIONAL ELECTRIC CODE
NO. #	NUMBER
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
P	PROPOSED
PNL	PANEL
PS	PULSE START
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED UNLESS NOTED OTHERWISE)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
REC	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
SS	STAINLESS STEEL
STA	STATION
T	TEMPORARY LIGHTING UNIT
TMP	TEMPORARY
TYP	TYPICAL
UD	UNIT DUCT
UL	UNDERWRITERS LABORATORIES
U.N.O	UNLESS NOTED OTHERWISE
V	VOLT
W	WATT
W/MW	WITH MESSENGER WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER

SYMBOL	DESCRIPTION
	LIGHTING UNIT
	EXISTING LIGHTING UNIT TO REMAIN
	EXISTING LIGHTING UNIT TO BE REMOVED
	EXISTING COMBINATION TRAFFIC SIGNAL AND LIGHTING UNIT TO BE REMOVED
	TYPE D1, CITY OF PALATINE STANDARD DECORATIVE LIGHTING UNIT: FLUTED, TAPERED STEEL POLE, 250 W PS MH LUMINAIRE WITH TYPE III DISTRIBUTION AND 20 A, 120V GFI RECEPTACLE
	TYPE D2, CITY OF PALATINE STANDARD DECORATIVE LIGHTING UNIT: FLUTED, TAPERED STEEL POLE, 250 W PS MH LUMINAIRE WITH TYPE IV DISTRIBUTION AND 20A, 120V GFI RECEPTACLE
	TYPE D3, CITY OF PALATINE STANDARD DECORATIVE LIGHTING UNIT: FLUTED, TAPERED STEEL POLE, TWO 250 W PS MH LUMINAIRES WITH TYPE III DISTRIBUTION AND 20A, 120V GFI RECEPTACLE
	EXISTING CONDUIT AND WIRE TO REMAIN
	EXISTING CONDUIT AND WIRE TO BE REMOVED
	CONCEALED CONDUIT UNDERGROUND, TRENCHED OR PUSHED
	RACEWAY OR DIRECT BURIAL CABLE UNDERGROUND, WITHOUT ENCASEMENT
	UNIT DUCT
	ELECTRIC JUNCTION BOX
	LIGHTING CONTROL CABINET (DOOR SIDE AS INDICATED)
	TRAFFIC CONTROL CABINET (DOOR SIDE AS INDICATED)
	POLE MOUNTED ELECTRIC UTILITY TRANSFORMER(S)
	MAIN SERVICE FUSED DISCONNECT SWITCH (RATING AS INDICATED)

SYMBOL	DESCRIPTION
	ELECTRIC UTILITY POLE
	GROUND ROD
	TEMPORARY WOOD POLE
	POWER CIRCUIT
	EQUIPMENT ENCLOSURE
	CONTROL OR INTERLOCK CIRCUIT
	CONDUCTOR CONNECTION
	MOLDED CASE CIRCUIT BREAKER (600V, THERMAL-MAGNETIC TYPE, UNLESS NOTED OTHERWISE)
	CONDUCTOR CONNECTION
	NO CONNECTION
	TERMINAL ON A DEVICE
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	SINGLE POLE, SINGLE THROW SWITCH
	SINGLE POLE, DOUBLE THROW SWITCH
	TRANSFORMER (KVA RATING AND VOLTAGE AS INDICATED)
	METERING DEVICE
	FUSE (RATING AS INDICATED)
	CONNECTION TO GROUND
	NORMALLY CLOSED MOMENTARY PUSH BUTTON SWITCH
	NORMALLY OPEN MOMENTARY PUSH BUTTON SWITCH

RL-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 VILLAGE OF PALATINE  
 PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
 SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
**ABBREVIATIONS AND SYMBOLS**  
 SCALE: VERT. NONE  
 HORIZ. NONE  
 DATE: OCTOBER 19, 2009  
 DRAWN BY: RRA  
 CHECKED BY: KMY





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	103
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63083				

**GENERAL NOTES:**

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST FOLLOWING STATE OF ILLINOIS STANDARD AND SPECIFICATIONS: THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007 AND IES, NEC.
- THE CONTRACTOR SHALL CALL J.U.L.I.E. (1-800-892-0123) 72 HOURS BEFORE EXCAVATION FOR UNDERGROUND UTILITY LOCATIONS. UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES, EVEN THOUGH THEY MAY NOT APPEAR ON THE PLANS. ANY DAMAGE DONE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO BIDDING ON THE PROJECT.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING WORK AND COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES, ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE VILLAGE OF PALATINE.
- WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- QUANTITIES OF RIGID GALVANIZED STEEL CONDUIT AND PVC CONDUIT WHERE INDICATED ON THE PLANS, ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE CONFORMANCE WITH SPECIFIED REQUIREMENTS.
- GROUNDING CONNECTIONS AT ALL EQUIPMENT FOUNDATIONS SHALL BE EXOTHERMICALLY WELDED, UNLESS NOTED OTHERWISE, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO POURING CONCRETE OR BACKFILLING, AS APPLICABLE.
- NO EQUIPMENT OR MATERIAL SHALL BE DELIVERED TO THE JOB SITE PRIOR TO THE APPROVAL AND INSPECTION OF THE ENGINEER. ANY EQUIPMENT OR MATERIAL DELIVERED TO THE JOB SITE PRIOR TO APPROVAL AND INSPECTION SHALL BE REMOVED FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE.
- CONDUIT PUSHED AND IN TRENCH SHALL EXTEND (2') BEYOND THE SHOULDER, CURB, BARRIER WALL AND/OR GUARDRAIL, AS APPLICABLE.
- THE PROPOSED LIGHTING CONTROL CABINET SHALL BE INSTALLED WITHIN THE RIGHT OF WAY WITH THE EXACT LOCATION TO BE CONFIRMED IN THE FIELD.
- THE CONTRACTOR SHALL PREPARE A PRELIMINARY SCHEDULE WHEN THE CONTRACT COMMENCES WHICH ESTABLISHES THE DATE WHEN THE ELECTRICAL SERVICES WILL BE REQUIRED. THIS SCHEDULE SHALL BE FORWARDED IN WRITING TO THE VILLAGE OF PALATINE. SUBSEQUENT UPDATING OF THE SCHEDULE SHALL BE FORWARDED TO THE VILLAGE OF PALATINE AS CHANGES MAY OCCUR IN THE DATE OF SERVICE REQUIREMENTS. TEN (10) DAYS BEFORE THE ELECTRICAL SERVICES ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF PALATINE BY PHONE AND CONFIRM THE REQUEST IN WRITING.
- ALL LUMINAIRES SHALL BE ORIENTED WITH OPTICS PERPENDICULAR TO THE ROADWAY UNLESS NOTED OTHERWISE OR DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
- ALL UNIT DUCT, CONDUIT, AND APPERTUNANCES ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH THE APPROVAL OF THE ENGINEER.
- CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 36" DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF UNIT DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
- WHERE MULTIPLE CONDUITS ADJACENT TO EACH OTHER ARE INSTALLED IN A COMMON TRENCH, TRENCH AND BACKFILL WILL NOT BE PAID FOR EACH CONDUIT, BUT WILL BE PAID FOR THE LENGTH OF THE COMMON TRENCH ONLY.

19. ALL EXISTING AREAS THAT ARE DAMAGED AS PART OF THIS WORK, INCLUDING BUT NOT LIMITED TO FENCING, CURB AND GUTTER, LANDSCAPING, PAVEMENT, DRIVEWAYS, AND WHERE RESTORATION IS NOT COVERED BY THE APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS, SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THIS CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.

20. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO FURTHER EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPROPRIATE EXCAVATION PAY ITEM.

21. ALL PITS USED FOR INSTALLING PUSHED (JACKED) STEEL CONDUITS UNDER EXISTING ROADWAYS SHALL BE LOCATED 5'-0" (MINIMUM) CLEAR FROM THE EDGE OF SHOULDER. LOCATIONS OF THE CONDUIT CROSSINGS SHOWN ARE APPROXIMATE AND MAY BE SHIFTED AS NECESSARY TO MEET THE MOTORISTS. THE CONTRACTOR SHALL SUBMIT PLANS FOR THE LOCATION AND SIZE OF EACH PIT AND MAINTENANCE AND PROTECTION OF TRAFFIC AT THE SITE OF EACH PIT FOR THE APPROVAL OF THE ENGINEER BEFORE THE EXCAVATION OF ANY PIT MAY BEGIN.

22. PROPOSED ROADWAY LIGHT POLES SHALL HAVE A SET-BACK OF 1'-6" FROM THE BACK-OF-CURB TO THE FACE OF LIGHT POLES UNLESS NOTED OTHERWISE INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

23. ALL CABLES SHALL BE TAGGED WITH INFORMATION PERTAINING TO THE DIRECTION THAT THE CABLE GOES AND THE VOLTAGE OF THE CIRCUIT IN EACH LIGHT BASE OR HANDHOLE. THE CONTRACTOR, PRIOR TO ENERGIZING OF THE LIGHTS BY THE UTILITY, SHALL PLACE AN ACCURATE LAMINATED PLAN IN THE CONTROLLER. THE PLAN SHALL SHOW THE WIRING ARRANGEMENT (COLOR CODING IF APPLICABLE), VOLTAGE OF EACH LIGHTING CIRCUIT, WATTAGE OF EACH LAMP, AND ANY OTHER PERTINENT INFORMATION THAT WOULD ASSIST IN THE TROUBLESHOOTING OF THE LIGHTING CIRCUITS.

RL-2

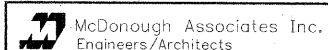
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)

**GENERAL NOTES**

SCALE: VERT. \_\_\_\_\_  
HORIZ. NONE  
DATE OCTOBER 19, 2009

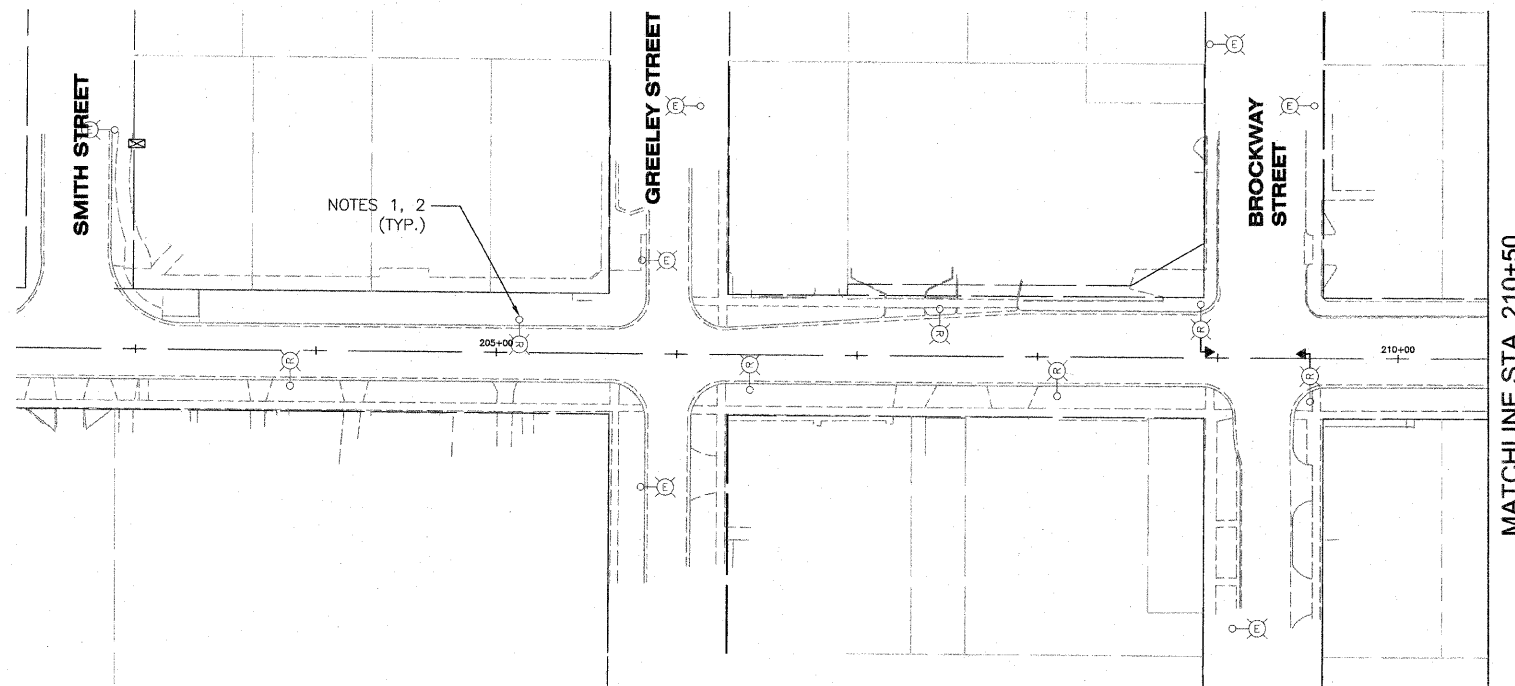
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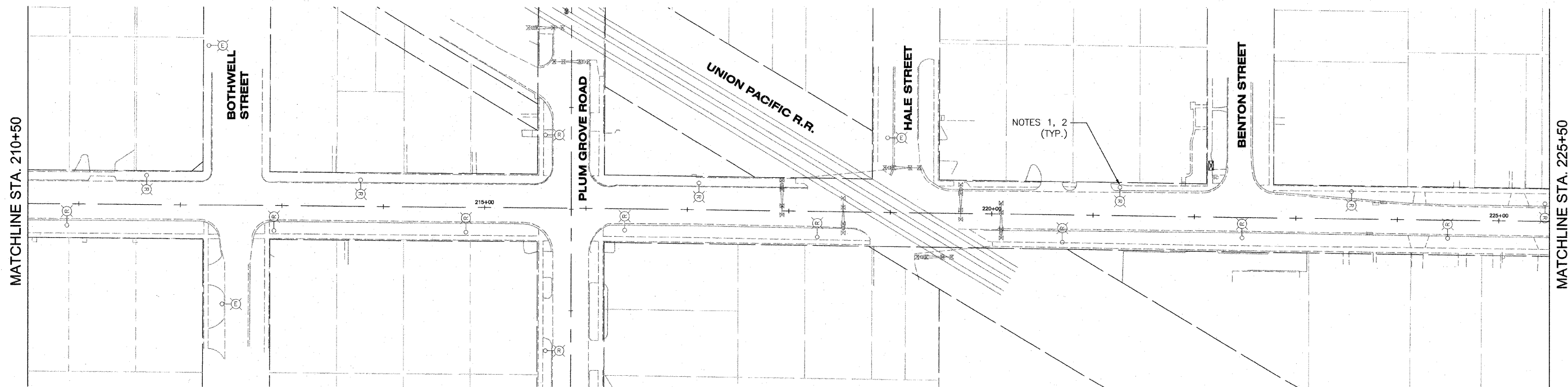
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1285	02-00075-00-PV	COOK	161	104
STA. _____ TO STA. _____		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63083				

**NOTES:**

- EXISTING LIGHTING UNIT SHALL BE REMOVED AND SALVAGED IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
- EXISTING LIGHT POLE FOUNDATION SHALL BE REMOVED IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS.

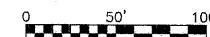


**PALATINE ROAD**



**PALATINE ROAD**

RL-3



**McDonough Associates Inc.**  
Engineers/Architects

REVISIONS	
NAME	DATE

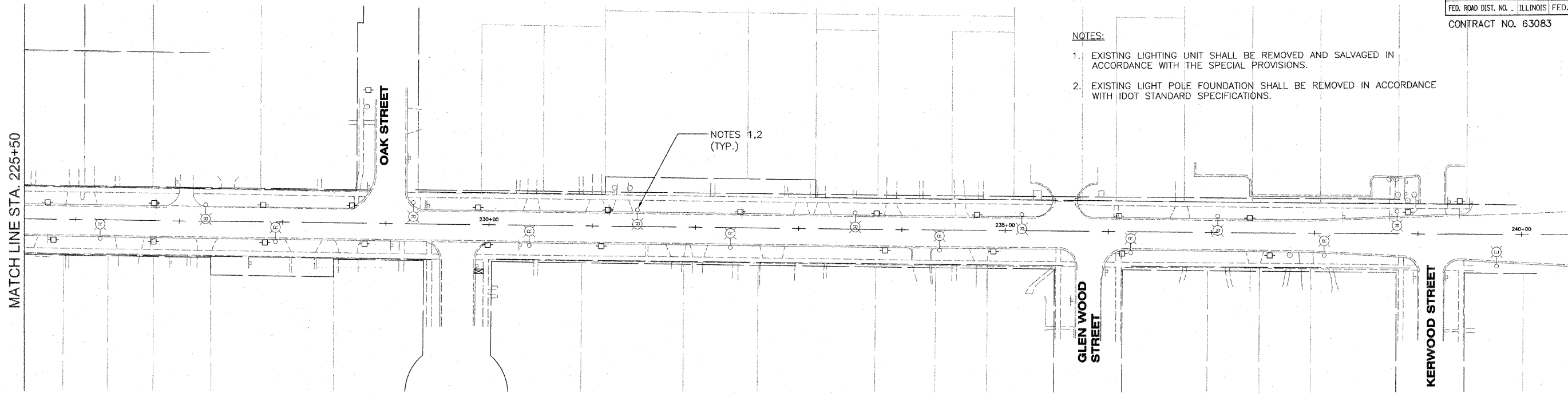
ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
**EXISTING LIGHTING AND REMOVAL PLANS**  
SCALE: VERT. \_\_\_\_\_  
HORIZ. 1" = 50'-0"  
DATE OCTOBER 19, 2009  
DRAWN BY RA  
CHECKED BY KMY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	105
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 63083				

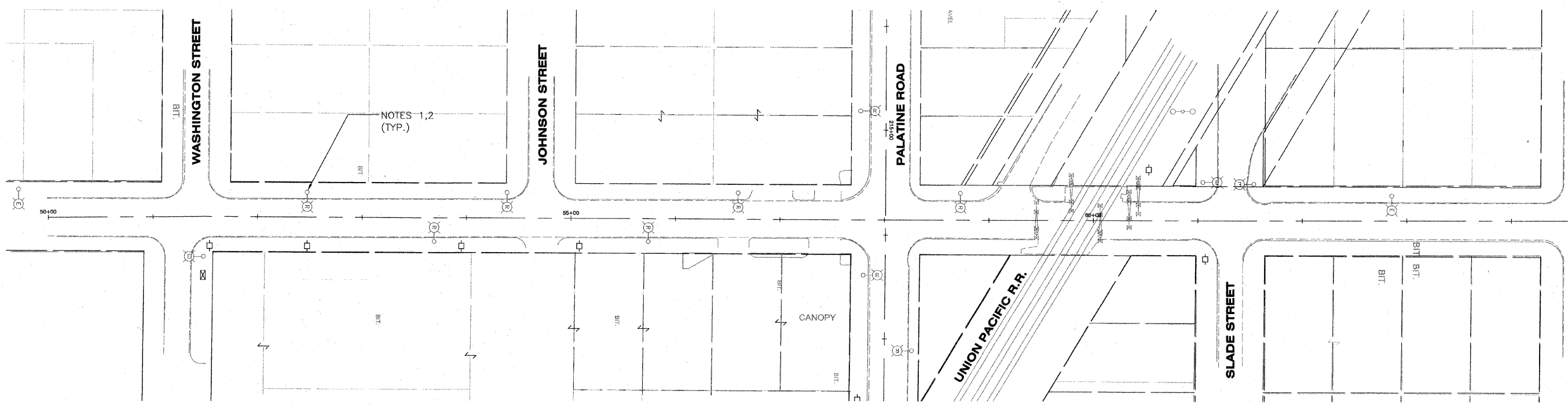
**NOTES:**

- EXISTING LIGHTING UNIT SHALL BE REMOVED AND SALVAGED IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
- EXISTING LIGHT POLE FOUNDATION SHALL BE REMOVED IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS.

NOTES 1,2 (TYP.)

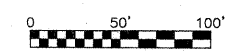


**PALATINE ROAD**



**PLUM GROVE ROAD**

RL-4



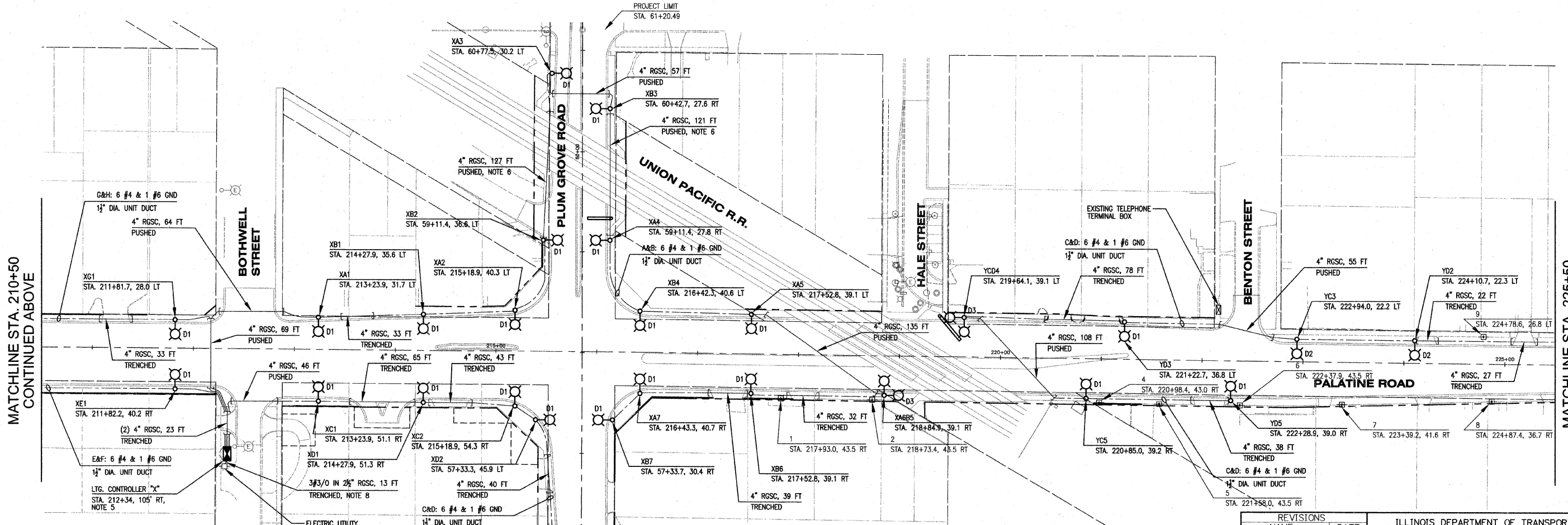
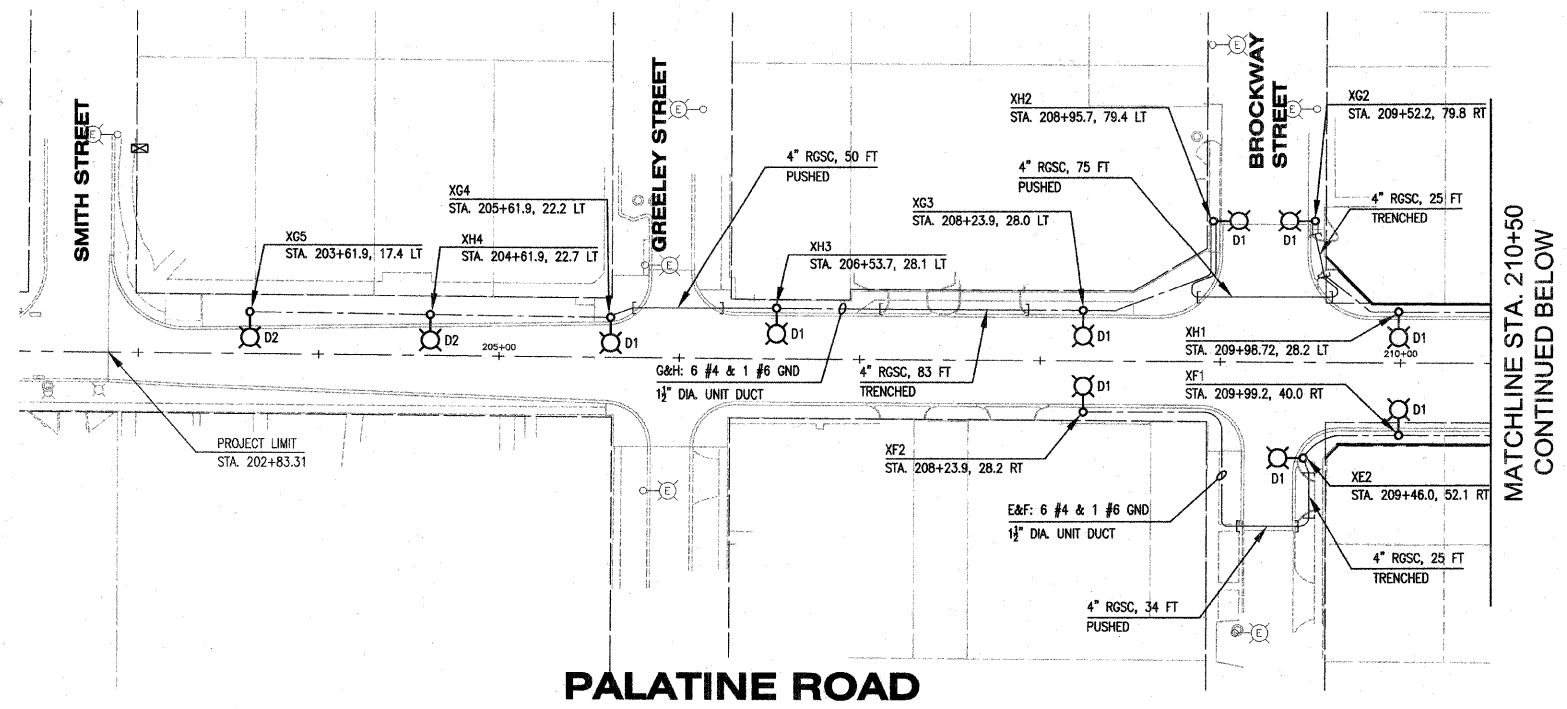
McDonough Associates Inc.  
Engineers/Architects

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
**EXISTING LIGHTING AND REMOVAL PLANS**  
SCALE: VERT. \_\_\_\_\_  
HORIZ. 1" = 50'-0"  
DATE OCTOBER 19, 2009  
DRAWN BY RA  
CHECKED BY KMY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	106
STA. _____ TO STA. _____		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63083				

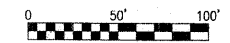
- NOTES:
- REFER TO DRAWING RL-1 FOR SYMBOL LIST AND ABBREVIATIONS.
  - REFER TO DRAWING RL-2 FOR GENERAL NOTES.
  - REFER TO DRAWING RL-7 FOR LIGHT POLE DETAILS.
  - CONDUIT AND CABLE CALLOUTS ARE TYPICAL UNLESS NOTED OTHERWISE.
  - REFER TO DRAWING RL-10 FOR LIGHTING CONTROLLER INSTALLATION DETAILS.
  - CONTRACTOR SHALL INSTALL RGC CROSSING RAILROAD TRACKS AT A MINIMUM DEPTH OF 6 FEET BELOW GRADE TO AVOID CONFLICT WITH THE TRACK, TIES, AND RELATED APPURTENANCES. ALL WORK SHALL BE COORDINATED WITH THE ENGINEER IN THE FIELD. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF PUSHED CONDUIT PAY ITEM. NO SEPARATE PAYMENT WILL BE MADE.
  - REFER TO DRAWING RL-12 FOR ELECTRIC SERVICE INSTALLATION DETAILS.
  - ASSUMED NEW ComEd POLE LOCATION. EXACT NEW ComEd POLE LOCATION TO BE DETERMINED BY ComEd.



MATCHLINE STA. 210+50  
CONTINUED ABOVE

MATCHLINE STA. 225+50  
CONTINUED ON DRAWING RL-6

MATCHLINE STA. 56+25  
PLUM GROVE ROAD  
**PALATINE ROAD**



REVISIONS	
NAME	DATE

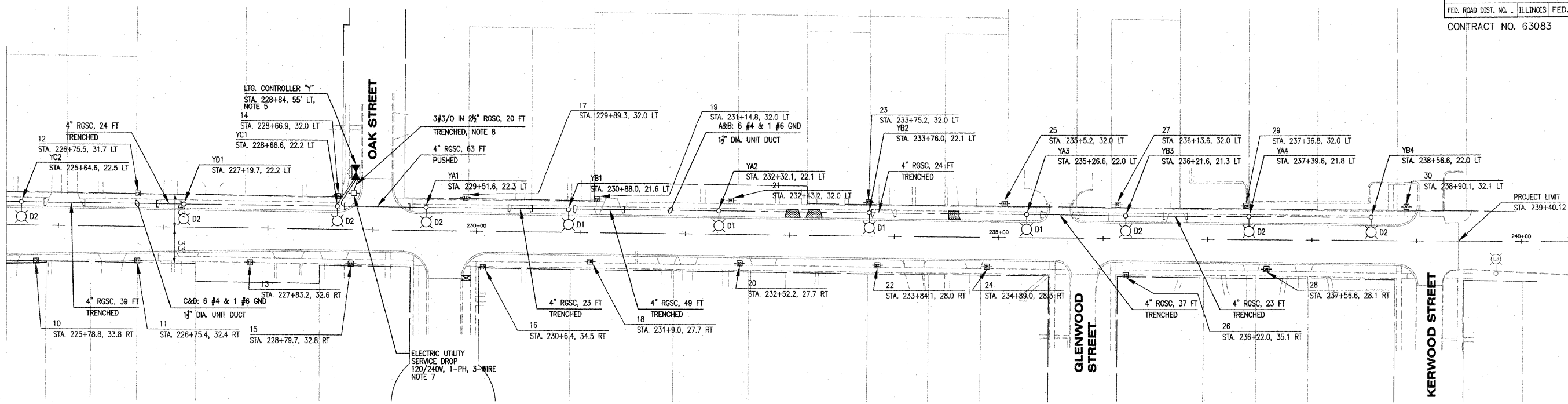
ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
**PROPOSED LIGHTING PLANS**  
SCALE: VERT. \_\_\_\_\_  
HORIZ. 1" = 50'-0"  
DATE: OCTOBER 19, 2009  
DRAWN BY: CJM  
CHECKED BY: KMY

McDonough Associates Inc.  
Engineers/Architects

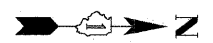
RL-5

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	107
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 63083				

MATCHLINE STA. 225+50  
CONTINUED ON DRAWING RL-5

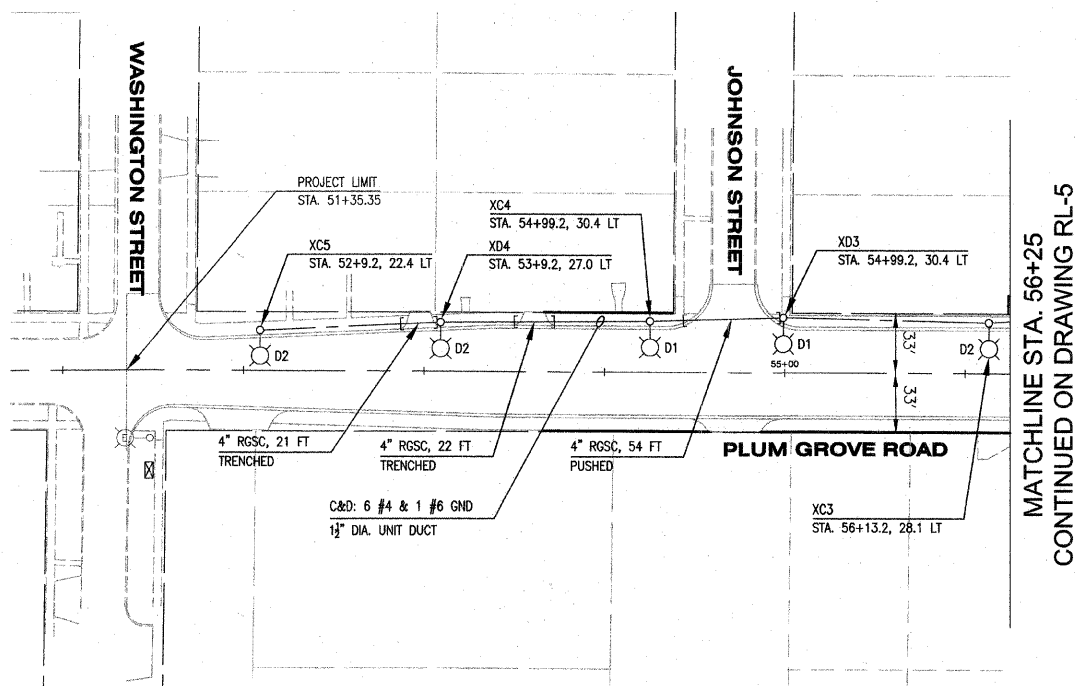


**PALATINE ROAD**



**NOTES:**

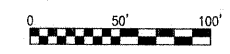
1. REFER TO DRAWING RL-1 FOR SYMBOL LIST AND ABBREVIATIONS.
2. REFER TO DRAWING RL-2 FOR GENERAL NOTES.
3. REFER TO DRAWING RL-7 FOR LIGHT POLE DETAILS.
4. CONDUIT AND CABLE CALLOUTS ARE TYPICAL UNLESS NOTED OTHERWISE.
5. REFER TO DRAWING RL-10 FOR LIGHTING CONTROLLER INSTALLATION DETAILS.
6. CONTRACTOR SHALL INSTALL RGC CROSSING RAILROAD TRACKS AT A MINIMUM DEPTH OF 6 FEET BELOW GRADE TO AVOID CONFLICT WITH THE TRACK, TIES, AND RELATED APPURTENANCES. ALL WORK SHALL BE COORDINATED WITH THE ENGINEER IN THE FIELD. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF PUSHED CONDUIT PAY ITEM. NO SEPARATE PAYMENT WILL BE MADE.
7. REFER TO DRAWING RL-12 FOR ELECTRIC UTILITY SERVICE INSTALLATION DETAILS.
8. ASSUMED RELOCATED ComEd POLE LOCATION. EXACT RELOCATED ComEd POLE LOCATION TO BE DETERMINED BY ComEd.



**PLUM GROVE ROAD**

MATCHLINE STA. 56+25  
CONTINUED ON DRAWING RL-5

RL-6

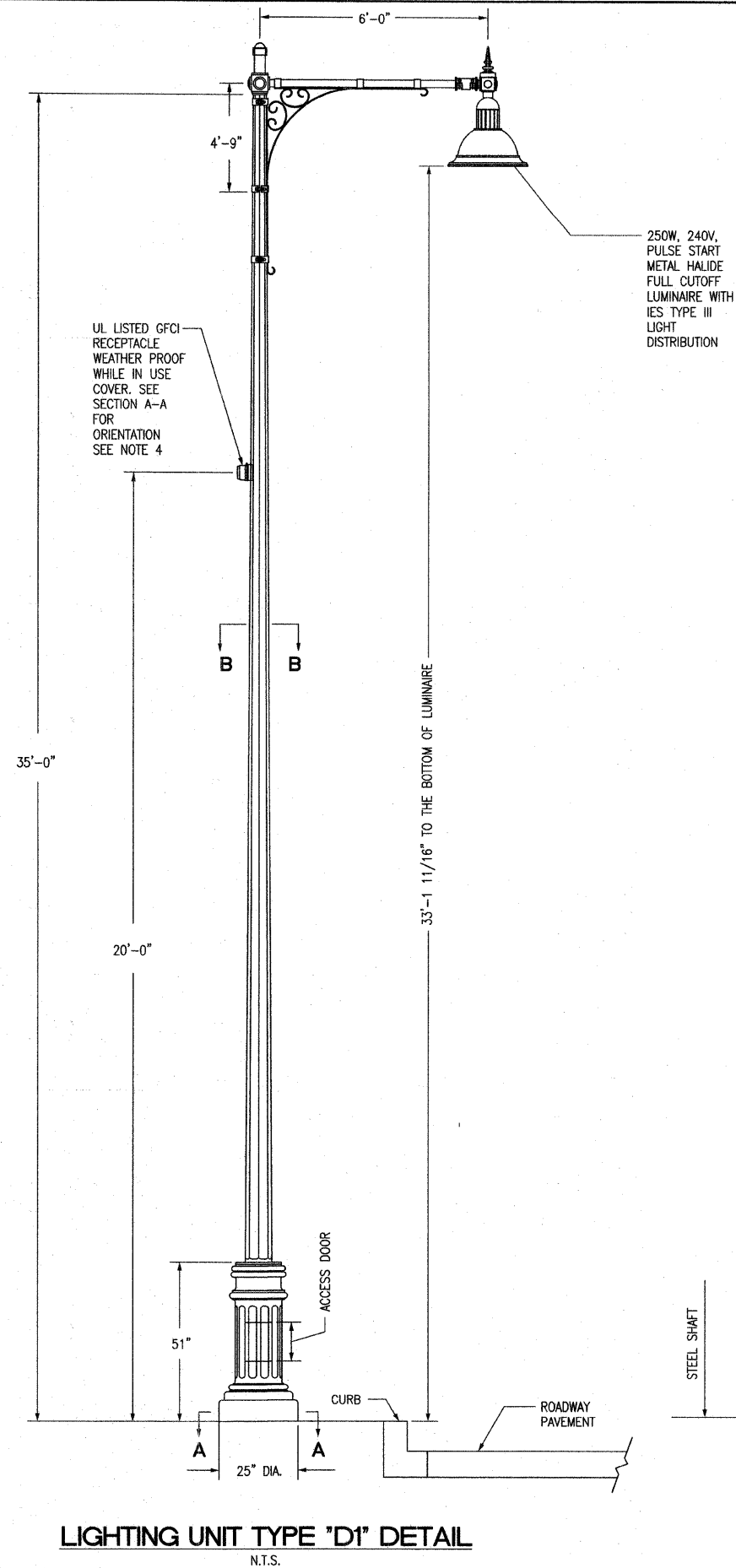


McDonough Associates Inc.  
Engineers/Architects

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
**PROPOSED LIGHTING PLANS**  
SCALE: VERT. \_\_\_\_\_  
HORIZ. 1" = 50'-0"  
DATE: OCTOBER 19, 2009  
DRAWN BY: CJM  
CHECKED BY: KMY

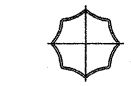
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	108
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63083				



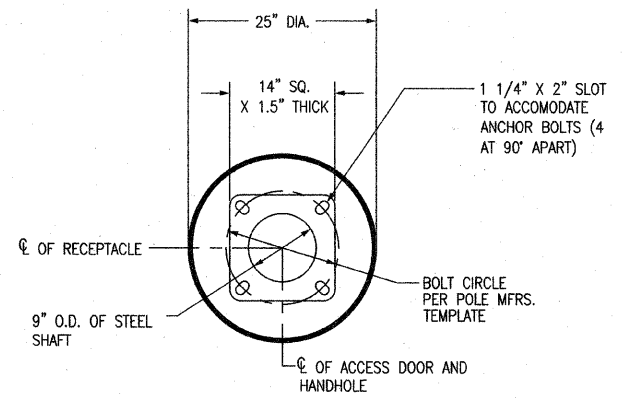
**LIGHTING UNIT TYPE "D1" DETAIL**  
N.T.S.

250W, 240V,  
PULSE START  
METAL HALIDE  
FULL CUTOFF  
LUMINAIRE WITH  
IES TYPE III  
LIGHT  
DISTRIBUTION

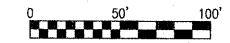
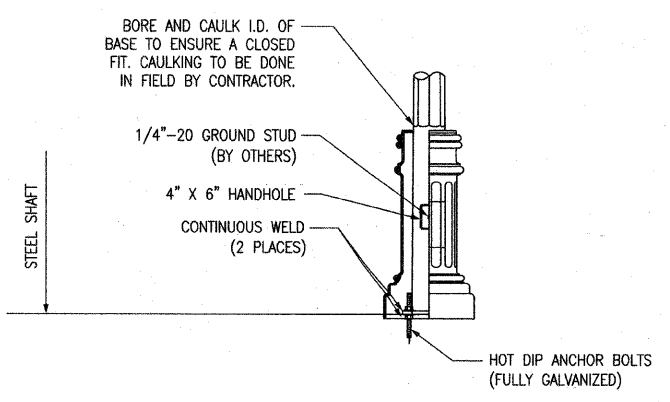
UL LISTED GFCI  
RECEPTACLE  
WEATHER PROOF  
WHILE IN USE  
COVER. SEE  
SECTION A-A  
FOR  
ORIENTATION  
SEE NOTE 4



**SECTION B-B**  
8 SHARP FLUTE  
7 GAUGE STEEL  
.14" TAPER PER FT  
N.T.S.



**SECTION A-A**  
N.T.S.



**McDonough Associates Inc.**  
Engineers/Architects

**NOTES:**

- LIGHTING UNIT TYPE "D2" SHALL BE SIMILAR TO LIGHTING UNIT TYPE "D1" EXCEPT THE LUMINAIRE DISTRIBUTION TYPE AS INDICATED ON SYMBOL LIST ON RAWING RL-1.
- LIGHTING UNIT TYPE "D3" SHALL BE SIMILAR TO LIGHTING UNIT TYPE "D1" EXCEPT THE ASSEMBLY SHALL HAVE TWO LUMINAIRES WITH 6'-0" CROSS ARMS MOUNTED AT 90° AS INDICATED ON THE SYMBOL LIST ON DRAWING RL-1.
- FOR LIGHT POLE FOUNDATION DETAILS, REFER TO DRAWING RL-8.
- GFCI RECEPTACLE WEATHERPROOF COVER SHALL CONFORM TO NEC ARTICLE 406.8B.1.

RL-7

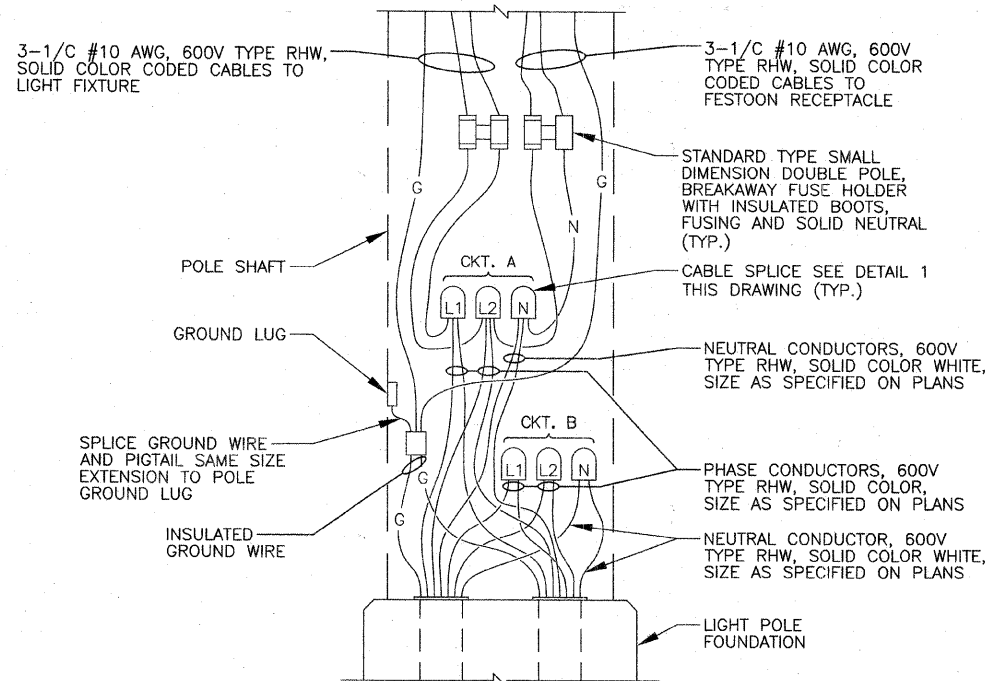
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)

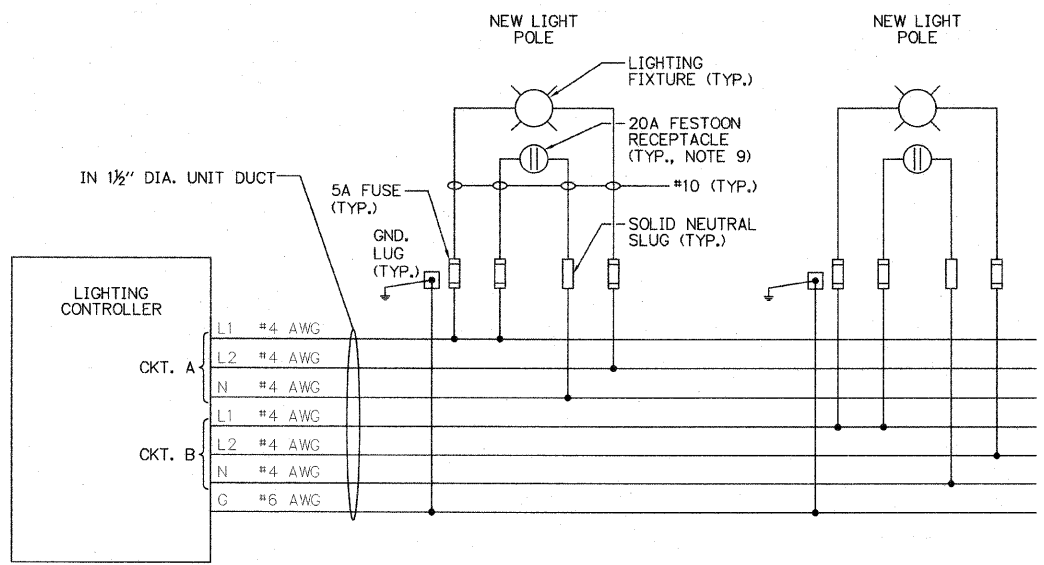
**LIGHTING UNIT DETAIL**

SCALE: VERT. \_\_\_\_\_  
HORIZ. NONE  
DATE: OCTOBER 19, 2009

DRAWN BY: RRA  
CHECKED BY: KMY

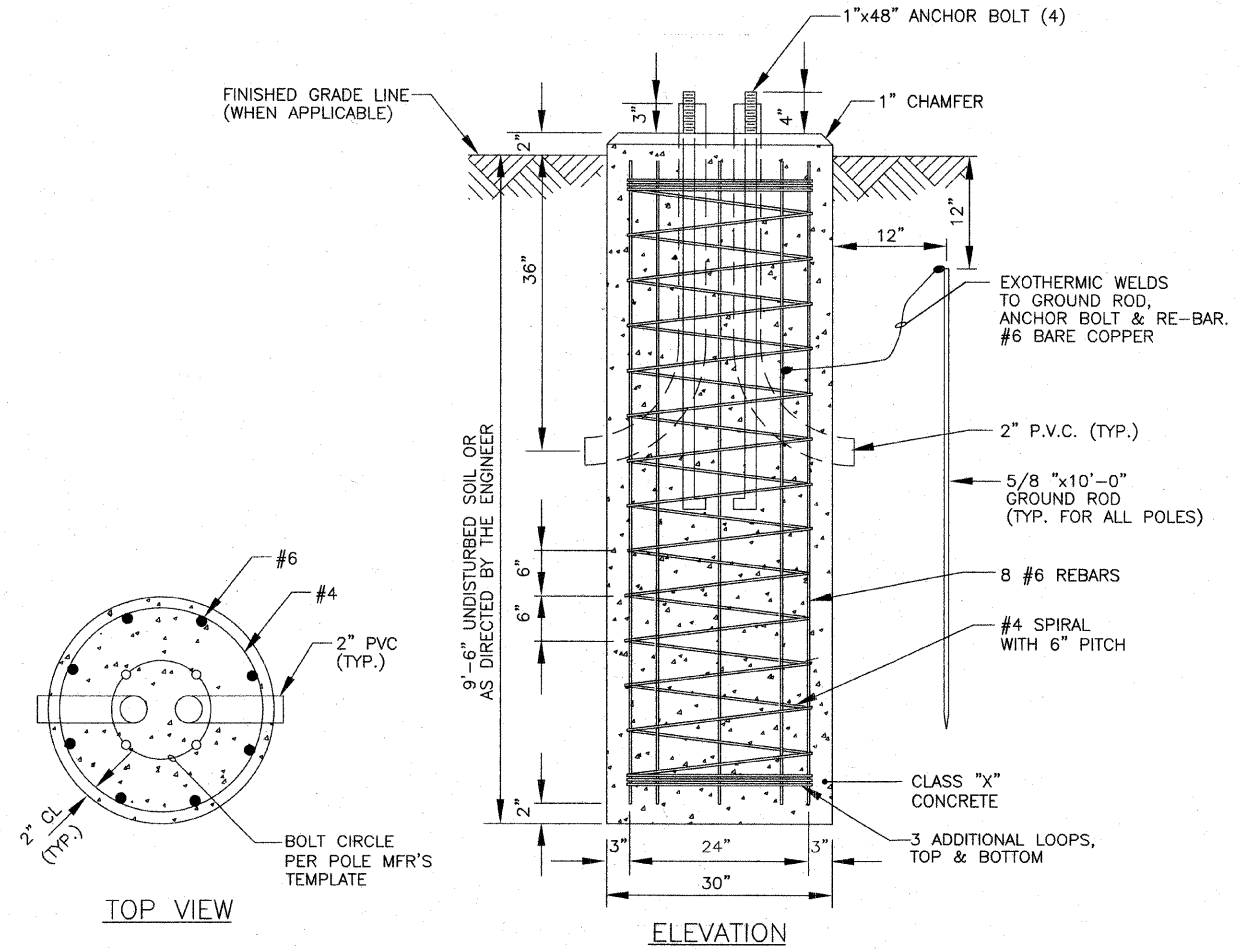


**1 POLE BASE WIRING DIAGRAM**  
NOT TO SCALE SEE NOTES 6 THROUGH 8

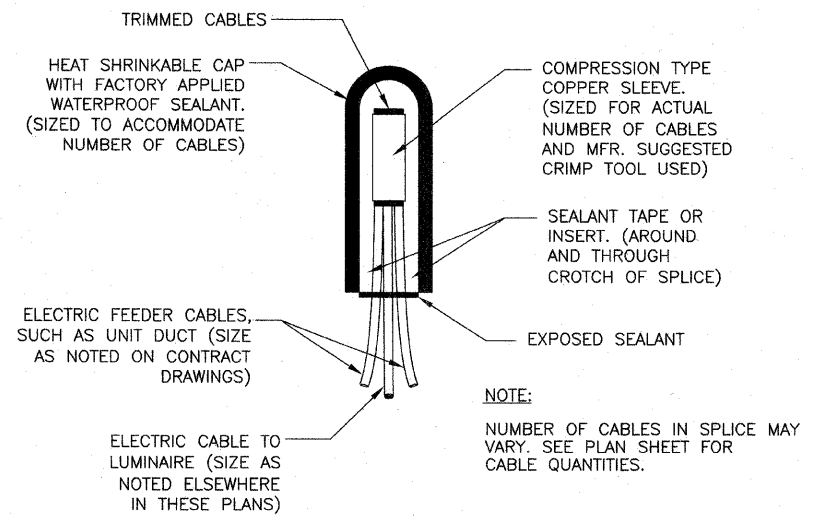


**3 LIGHTING CONTROLLER WIRING DIAGRAM**  
NOT TO SCALE SEE NOTES 6 AND 8

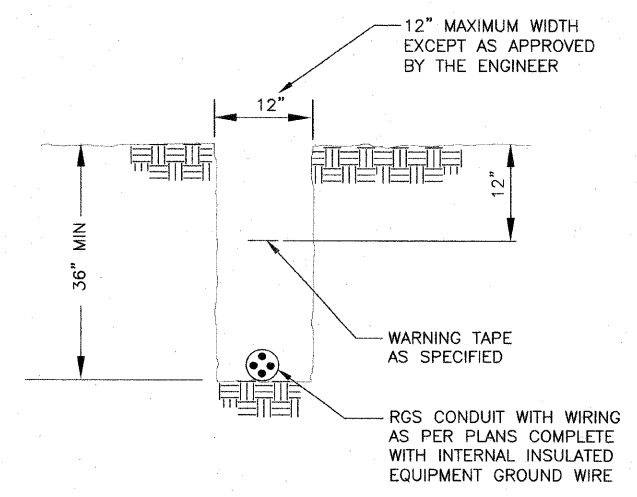
- NOTES:**
1. MINIMUM UNCONFINED COMPRESSIVE STRENGTH FOR COHESIVE SOILS  $Q_u = .8$  TONS PER SQ. FT. MINIMUM STANDARD PENETRATION TEST VALUE FOR GRANULAR SOILS  $N = 10$  BLOWS PER FOOT.
  2. MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 3500 PSI AT THE END OF 28 DAYS.
  3. ALL REINFORCEMENT SHALL BE EPOXY COATED WITH A MINIMUM YIELD POINT OF 60000 PSI.
  4. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN FORMS.
  5. EXCAVATION FOR THE POLE FOUNDATION SHALL BE WITH AN AUGER 24 INCHES IN DIAMETER.
  6. FUSES SHALL BE OF THE TIME DELAY TYPE (SEE SPECS.).
  7. FOR AN END POLE, CAP AND SEAL THE UNUSED ELBOW.
  8. CABLE/WIRE COLOR CODING:  
BLACK - L2 PHASE CONDUCTOR  
RED - L1 PHASE CONDUCTOR  
WHITE - NEUTRAL CONDUCTOR  
GREEN - GROUND CONDUCTOR
  9. FESTOON RECEPTACLES ON ODD-NUMBERED LIGHT POLES SHALL BE ENERGIZED FROM THE L1 PHASE CONDUCTOR OF THE CIRCUIT, WHILE RECEPTACLES ON EVEN-NUMBERED LIGHT POLES SHALL BE ENERGIZED FROM THE L2 PHASE CONDUCTOR.



**2 LIGHT POLE FOUNDATION DETAIL LIGHTING UNIT**  
NOT TO SCALE SEE NOTES 1 THROUGH 5



**4 TYPICAL SPLICE DETAIL**  
NOT TO SCALE



**5 TYPICAL WIRING IN TRENCH DETAIL**  
NOT TO SCALE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF PALATINE PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION SMITH STREET TO US 14 (NORTHWEST HIGHWAY) <b>MISCELLANEOUS LIGHTING DETAILS</b>
NAME	DATE	
		SCALE: VERT. HORIZ. N.T.S. DATE OCTOBER 19, 2009 DRAWN BY RRA CHECKED BY KMY



BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
(A)	1	MAIN CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 200 AMP, 240V, 2 POLE, NON-INTER CHANGEABLE TRIP, INTERRUPTING RATING 35,000 AMP AT 240 VOLT.
(B)	1	PANELBOARD, 120/240V, 1-PHASE, 3-WIRE, 36 1-P BRANCH CIRCUITS, 225A MAIN LUGS, WITH (16) 2P-30A, 240V, BOLT-ON BRANCH CIRCUIT BREAKERS, INTERRUPTING RATING 35,000 AMP AT 240 VOLT. (NOTE 2)
(C)	2	15 AMP, 1P, 120V CIRCUIT BREAKER, INTERRUPTING RATING 35,000 AMP AT 120 VOLT
(D)	1	200A, 600V, 2-POLE, ELECTRICALLY HELD LIGHTING CONTACTOR WITH 120V COIL. EATON CN35NN2A
(E)	1	FISHER PIERCE OLC FPPA105M PHOTOCCELL (MOUNTED ON THE TOP OF CONTROL CABINET)
(F)	1	SQUARE D 9001KYK111 HAND-OFF-AUTO SWITCH
(G)	2	200A, 600V, 2-POLE MARATHON DISTRIBUTION POWER BLOCK
(H)	1	OMRON DOOR SWITCH A20GQ7BK
(I)	1	GENERAL ELECTRIC H7-120V-15F-3W-DD (60W ENCLOSED AND GASKETED INCANDESCENT FIXTURE)
(J)	1	CINCH 3 POINT TB
(K)	1	LEVITON 6599 15A GFCI RECEPTACLE
(L)	1	WHITE-RODGERS THERMOSTAT #2B61-186 0-50 DEG.
(M)	1	SS HEATER, VULCAN ELECTRIC COMPANY, #0S1408-250B, 250 WATTS
(N)	2	COPPER GROUND AND NEUTRAL BUS, MINIMUM 1/4" X 1" X 12"
(P)	1	BRACKET MOUNTED SURGE ARRESTER FOR 240/120V, 3W SERVICE
(R)	1	METER SOCKET FOR ELECTRIC UTILITY COMPANY METER
(S)	1	RELAY, 120V COIL, 10A CONTACTS, COIL INRUSH LESS THAN 1000VA

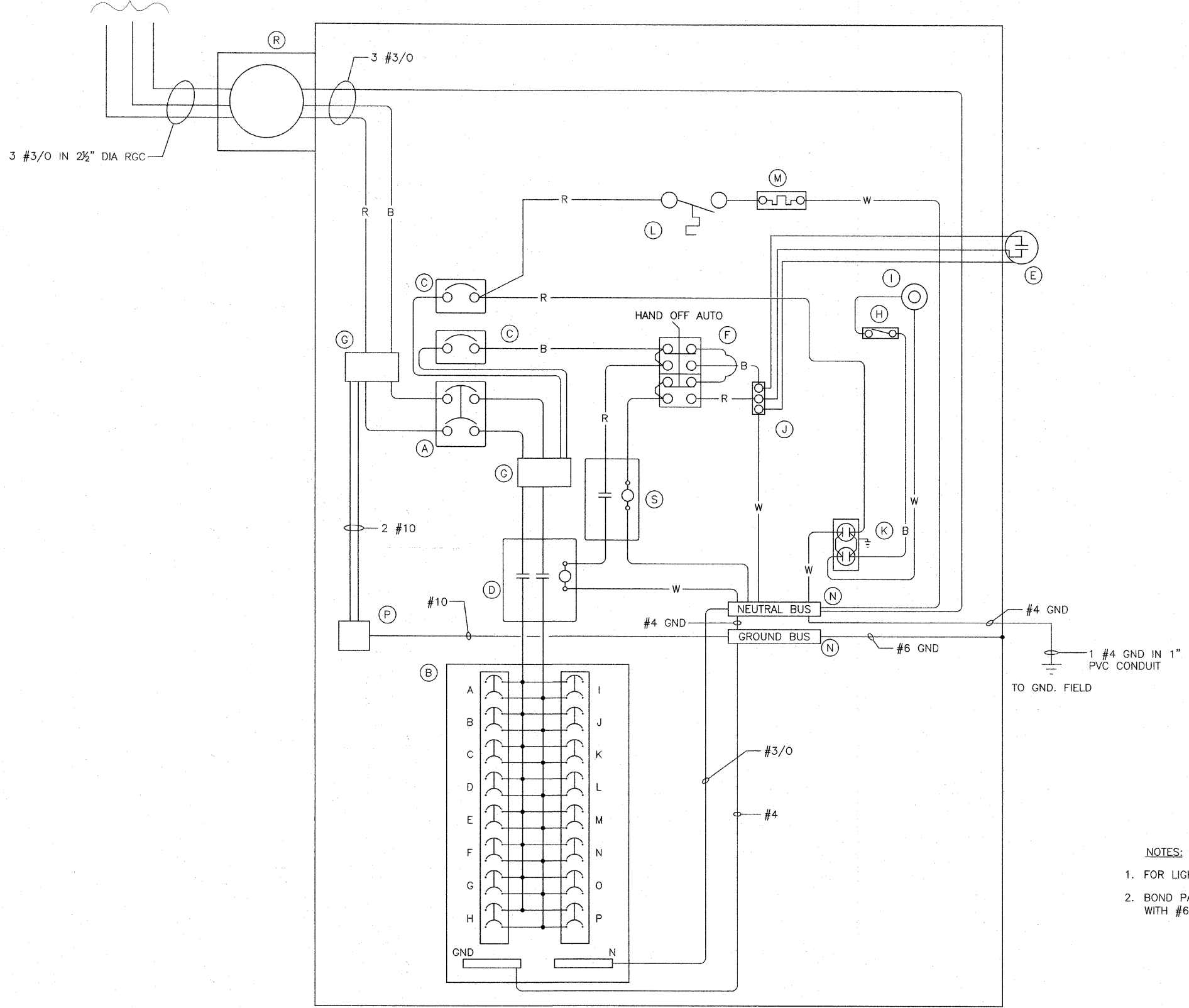
POWER WIRING RHH/RHW  
CONTROL WIRING #12 MTW  
NEUTRAL BUS COLOR CODED WHITE  
GROUND BUS COLOR CODED GREEN  
UL LISTED

W = WHITE  
B = BLACK  
R = RED

**NOTES:**

- FOR LIGHTING CONTROLLER INSTALLATION DETAILS, SEE DRAWING RL-10.
- BOND PANELBOARD ENCLOSURE TO THE CONTROLLER ENCLOSURE WITH #6 GND.

ELECTRICAL SERVICE FROM COMED  
200A, 120/240V, 1 PH, 3W

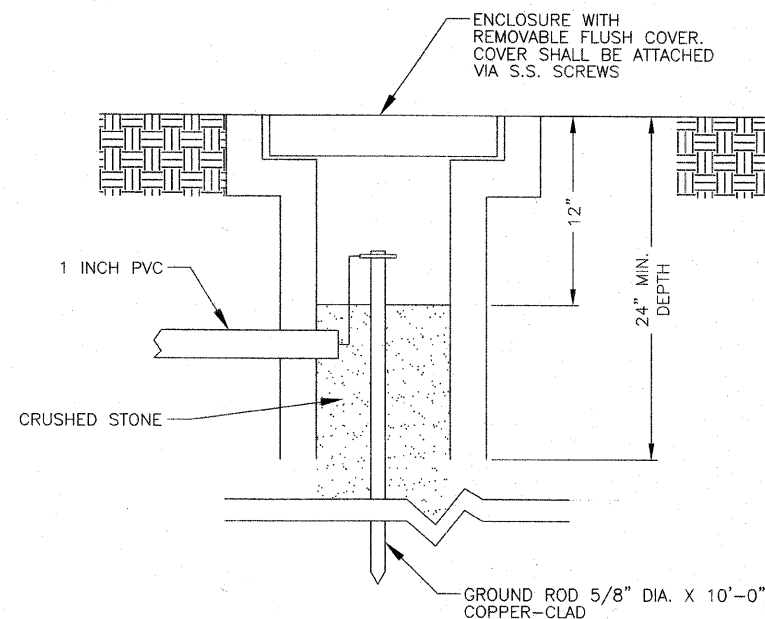


RL-9

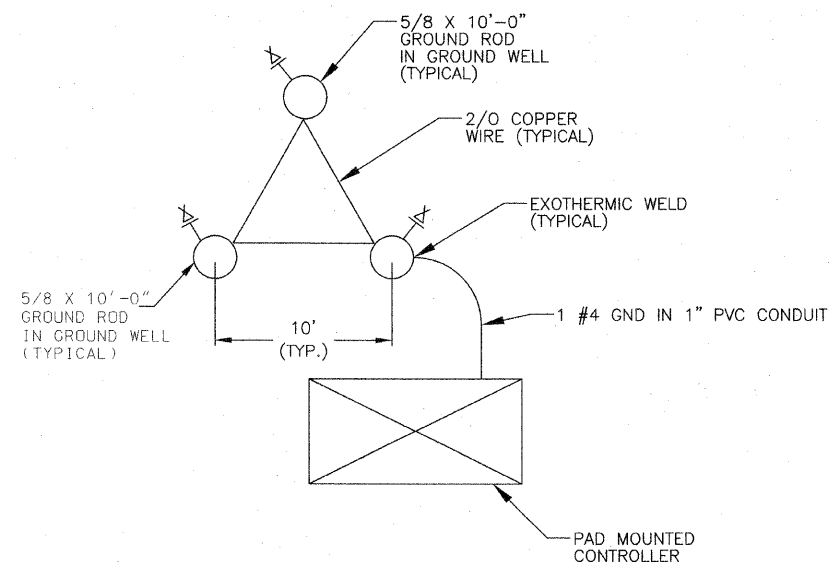
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
**TYPICAL LIGHTING CONTROLLER  
WIRING DIAGRAM**  
SCALE: VERT. \_\_\_\_\_  
HORIZ. N.T.S.  
DATE: OCTOBER 19, 2009  
DRAWN BY: CJM  
CHECKED BY: KMY





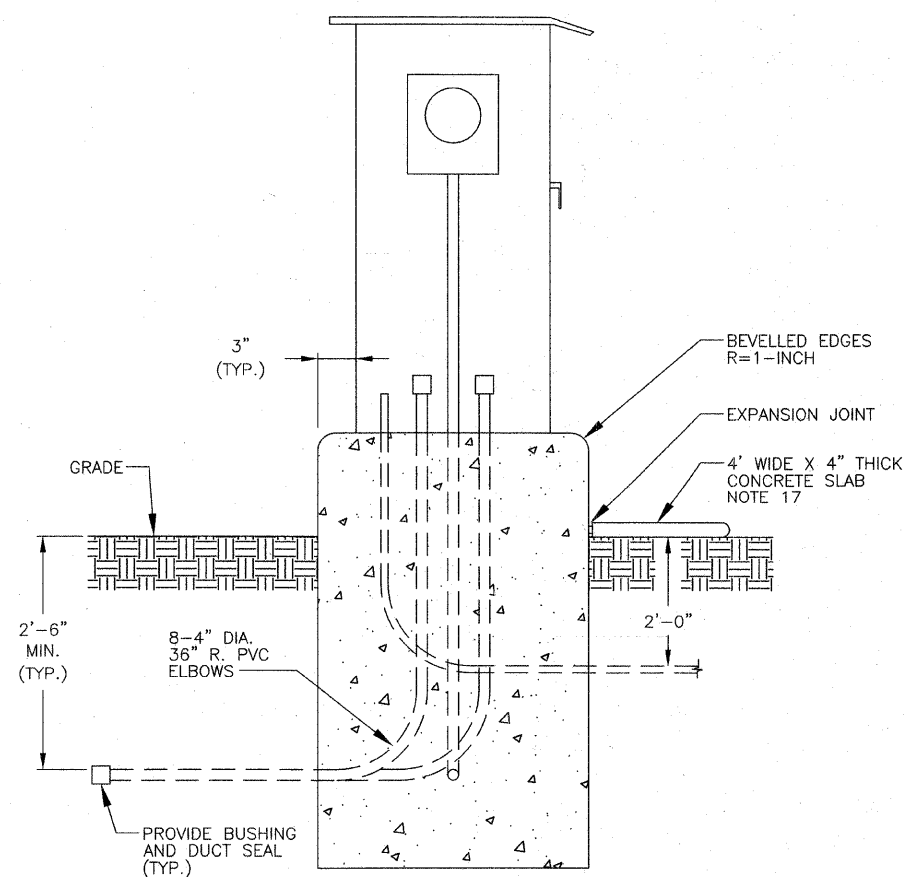
GROUND WELL DETAIL



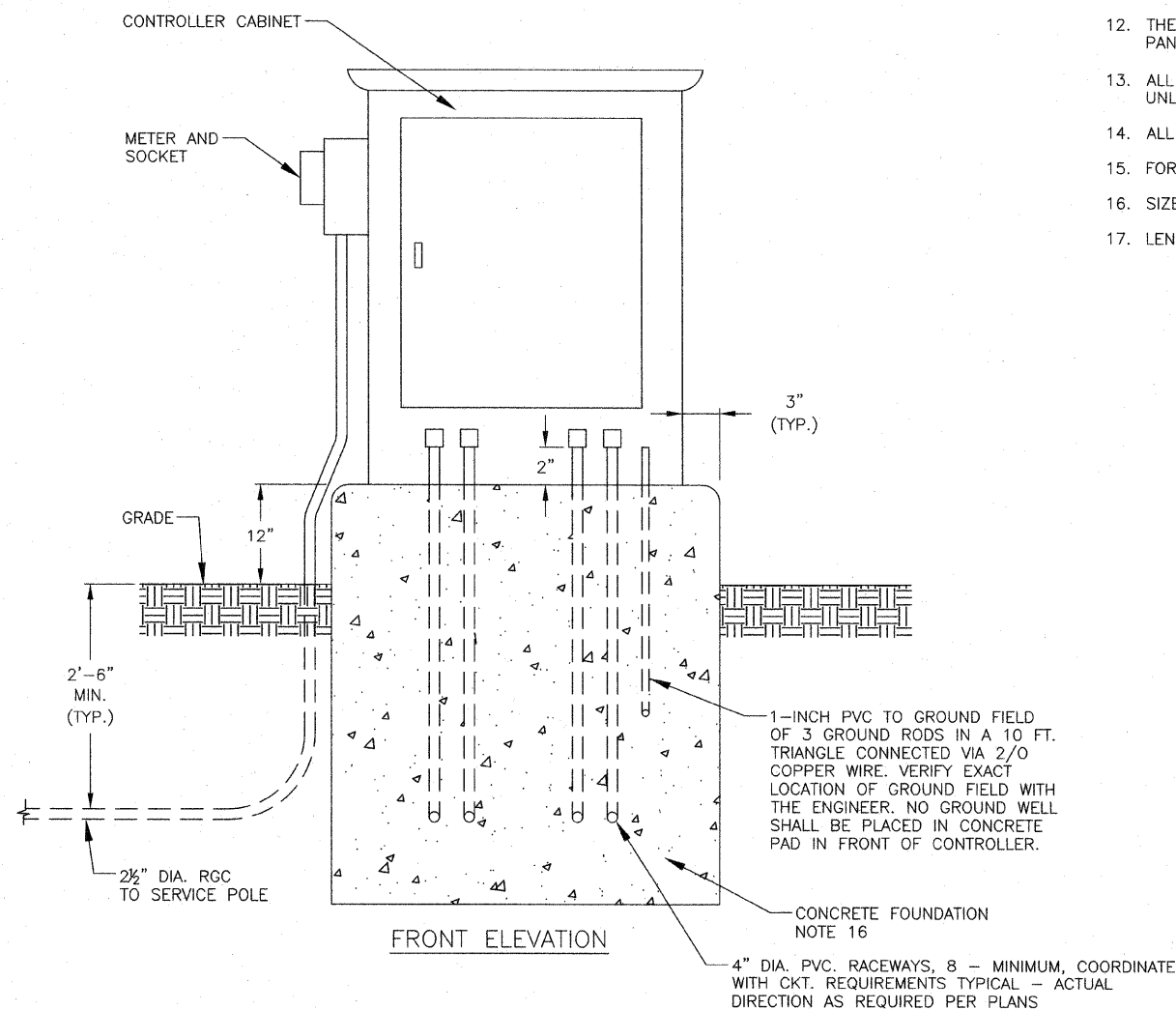
GROUND FIELD DETAIL

NOTES:

- COORDINATE PLACEMENT OF RACEWAYS WITH CONTROLLER MANUFACTURER TO ASSURE DOOR LATCH DOES NOT INTERFERE WITH CABLES OR OTHER DEVICES.
- THE CONTRACTOR SHALL PROVIDE A GROUND FIELD AT EACH CABINET LOCATION. THE GROUND RODS, ANCHOR BOLTS, AND REINFORCEMENT STEEL SHALL ALL BE INTERCONNECTED.
- THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF GROUND FIELD WITH THE ENGINEER.
- ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS.
- NAME PLATE SHALL HAVE ENGRAVED 0.75 INCH HIGH LETTERS FILLED IN BLACK: "ROADWAY LIGHTING CONTROLLER, VILLAGE OF PALATINE".
- ONE INCH THICK POLYISOCYANURATE INSULATION SHALL BE INSTALLED AND PERMANENTLY CEMENTED ON ALL SIDES OF THE CABINET AND DOORS.
- ALL DEVICES SHALL BE FRONT REMOVABLE.
- ALL LUGS SHALL BE OF COPPER SCREWS AND CONNECTORS, SPRING HELD.
- ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW.
- ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW.
- CIRCUIT BREAKERS, CONTACTORS, AND OTHER COMPONENTS SHALL BE PANEL MOUNTED ON 0.125 INCH THICK GLASTIC INSULATION BACK PANEL.
- THE COMPLETED CONTROLLER SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL PANEL UNDER UL508.
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- FOR LIGHTING CONTROLLER WIRING DIAGRAM, SEE DRAWING RL-9.
- SIZE OF CONCRETE FOUNDATION AS REQUIRED TO SUPPORT CONTROL CABINET.
- LENGTH OF CONCRETE SLAB SHOULD MATCH LENGTH OF CONCRETE FOUNDATION.



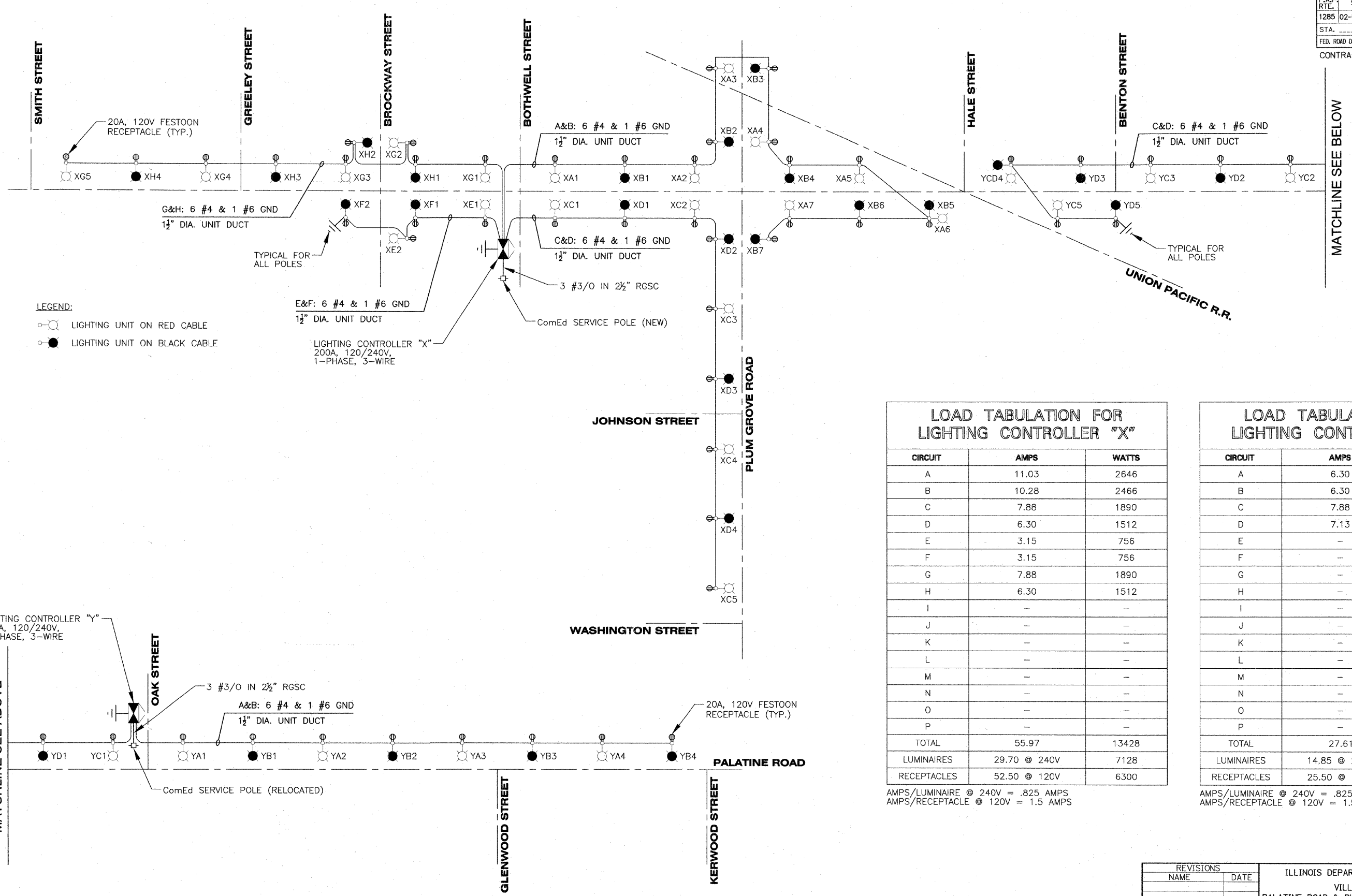
LEFT SIDE ELEVATION



FRONT ELEVATION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
**TYPICAL LIGHTING CONTROLLER  
INSTALLATION DETAILS**  
SCALE: VERT. \_\_\_\_\_  
HORIZ. N.T.S.  
DATE: OCTOBER 19, 2009  
DRAWN BY: CJM  
CHECKED BY: KMY



**LEGEND:**

- LIGHTING UNIT ON RED CABLE
- LIGHTING UNIT ON BLACK CABLE

**LOAD TABULATION FOR LIGHTING CONTROLLER "X"**

CIRCUIT	AMPS	WATTS
A	11.03	2646
B	10.28	2466
C	7.88	1890
D	6.30	1512
E	3.15	756
F	3.15	756
G	7.88	1890
H	6.30	1512
I	-	-
J	-	-
K	-	-
L	-	-
M	-	-
N	-	-
O	-	-
P	-	-
TOTAL	55.97	13428
LUMINAIRES	29.70 @ 240V	7128
RECEPTACLES	52.50 @ 120V	6300

AMPS/LUMINAIRE @ 240V = .825 AMPS  
 AMPS/RECEPTACLE @ 120V = 1.5 AMPS

**LOAD TABULATION FOR LIGHTING CONTROLLER "Y"**

CIRCUIT	AMPS	WATTS
A	6.30	1512
B	6.30	1512
C	7.88	1890
D	7.13	1710
E	-	-
F	-	-
G	-	-
H	-	-
I	-	-
J	-	-
K	-	-
L	-	-
M	-	-
N	-	-
O	-	-
P	-	-
TOTAL	27.61	6624
LUMINAIRES	14.85 @ 240V	3564
RECEPTACLES	25.50 @ 120V	3060

AMPS/LUMINAIRE @ 240V = .825 AMPS  
 AMPS/RECEPTACLE @ 120V = 1.5 AMPS

LIGHTING CONTROLLER "Y"  
 200A, 120/240V,  
 1-PHASE, 3-WIRE

MATCHLINE SEE ABOVE

RL-11

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 VILLAGE OF PALATINE  
 PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
 SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
**LIGHTING CONTROLLERS  
 ONE LINE DIAGRAM**  
 SCALE: VERT. \_\_\_\_\_  
 HORIZ. N.T.S.  
 DATE: OCTOBER 19, 2009  
 DRAWN BY: CJM  
 CHECKED BY: KMY

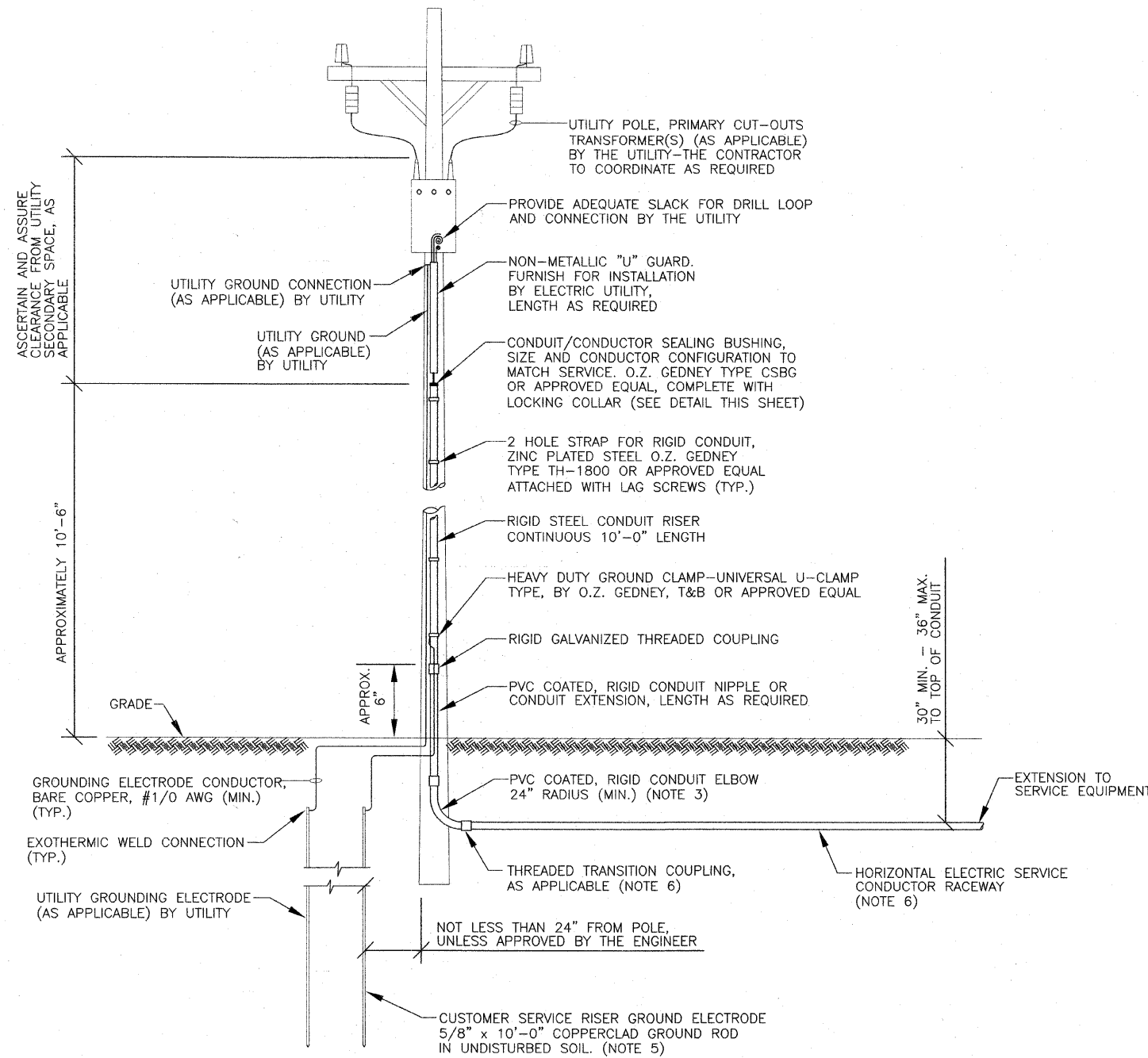


**APPLICATION:**

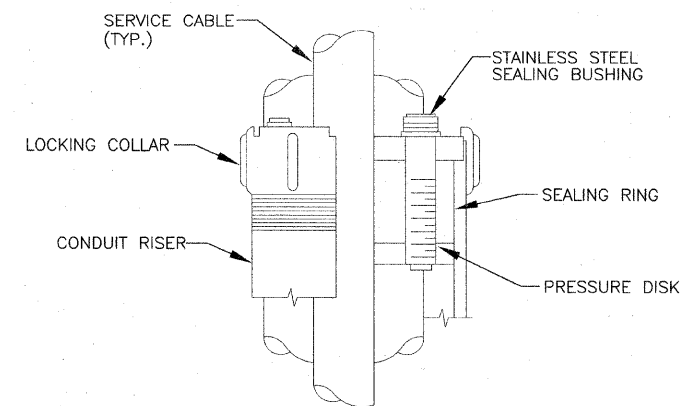
THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPARATELY MOUNTED SERVICE EQUIPMENT.

**NOTES:**

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE ON THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE "ELECTRIC UTILITY SERVICE INSTALLATION" PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALLIC NON-METALLIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT AND DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION AND SHALL BE INCLUDED IN THE "ELECTRIC UTILITY SERVICE INSTALLATION" PAY ITEM.



**1 ELECTRIC SERVICE INSTALLATION DETAIL**  
NOT TO SCALE



**2 SEALING BUSHING DETAIL**  
NOT TO SCALE

RL-12

REVISIONS	
NAME	DATE

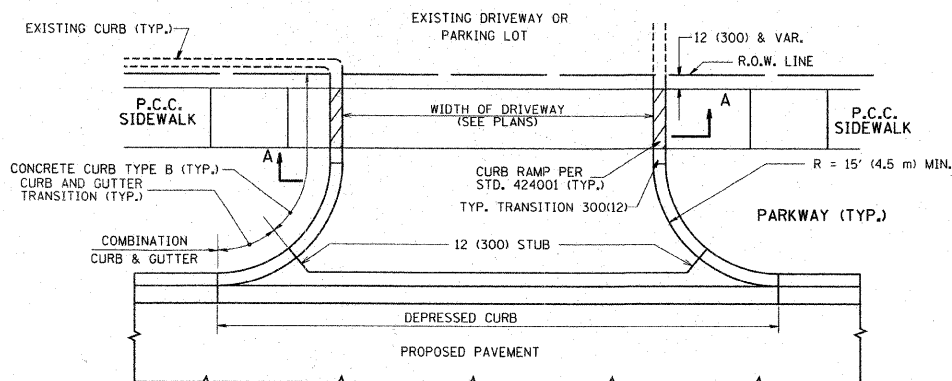
ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)

**ELECTRICAL SERVICE  
INSTALLATION DETAILS**

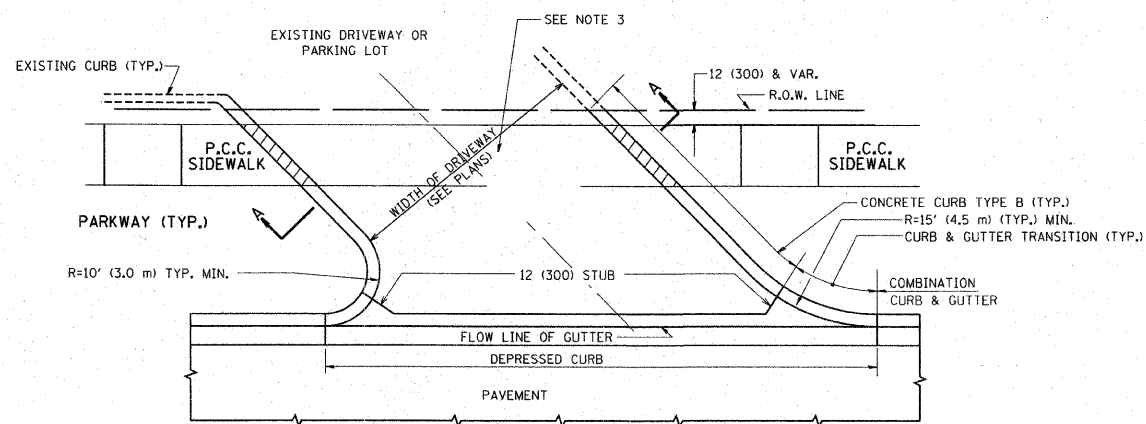
SCALE: VERT. \_\_\_\_\_  
HORIZ. N.T.S.  
DATE: OCTOBER 19, 2009  
DRAWN BY: RRA  
CHECKED BY: KMY

**McDonough Associates Inc.**  
Engineers/Architects

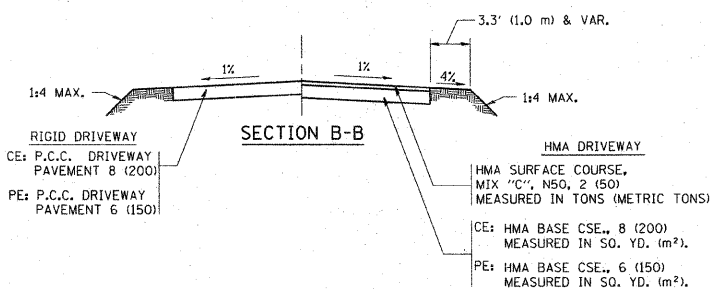
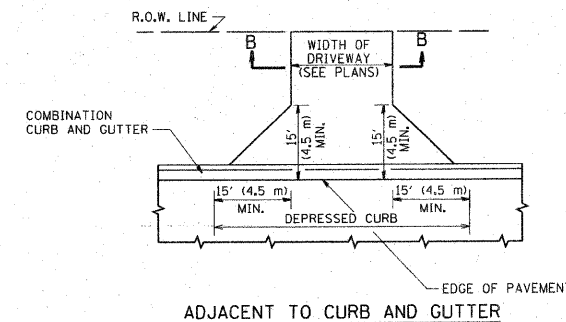
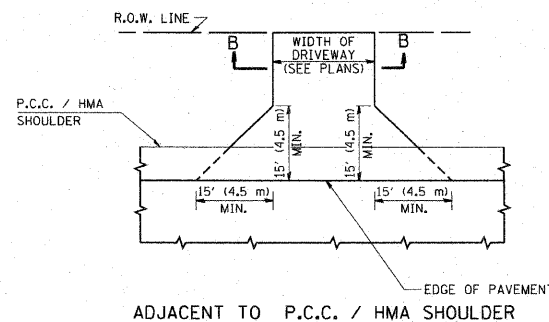
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	114
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. _____ ILLINOIS		FED. AID PROJECT		



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



**RURAL FIELD ENTRANCE (FE)**  
 HMA SURFACE COURSE,  
 MIX "C", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 AGGREGATE BASE CSE., TYPE B, 8 (200)  
 MEASURED IN SQ. YD. (m²).

**GENERAL NOTES:**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

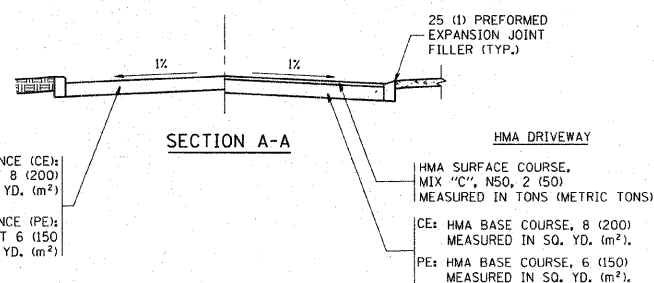
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



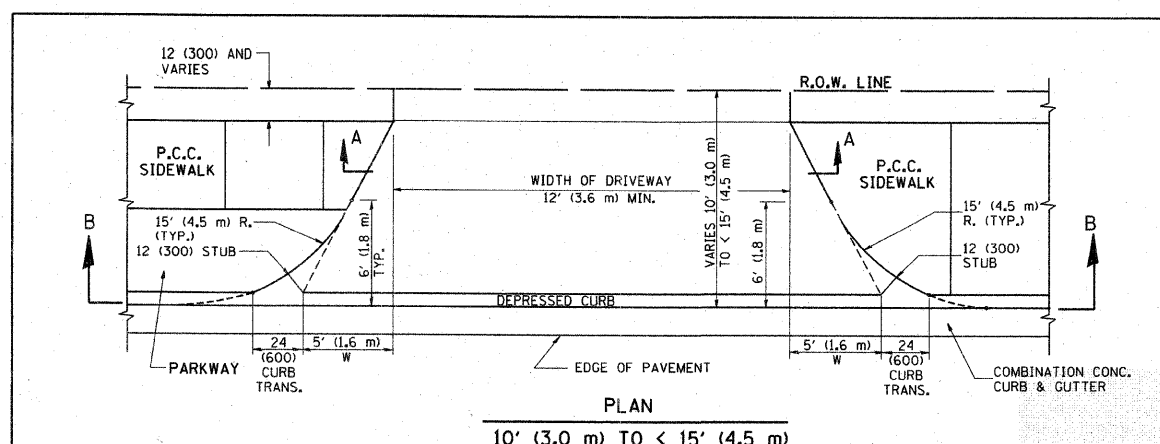
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PLOT SCALE = 4/8" = 1' IN.	CHECKED -	REVISOR - P. LOFLUER 04-15-03	REVISOR - R. BORO 01-01-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT	CONTRACT NO.
PLOT DATE = 6/12/2008	DATE - 11-04-95	REVISOR - R. BORO 06-11-08									

REVISIONS	
NAME	DATE

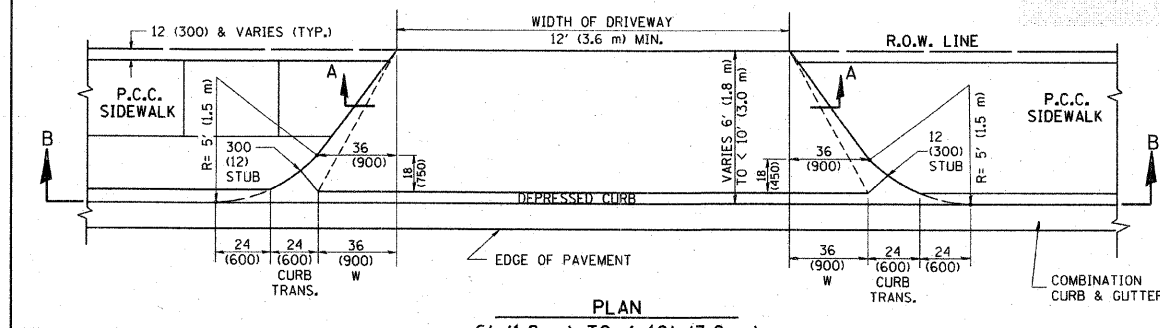
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 VILLAGE OF PALATINE  
 PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
 SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
 DRIVEWAY DETAILS  
 DISTANCE BETWEEN R.O.W. AND  
 FACE OF CURB & EDGE OF  
 SCALE: VERT. SHOULDER >= 15'  
 HORIZ.  
 DATE: OCTOBER 19, 2009  
 DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

PLOT DATE = \$DATE\$  
 FILE NAME = \$FILENAME\$  
 PLOT SCALE = \$PLOTSCALE\$  
 USER NAME = \$USER\$

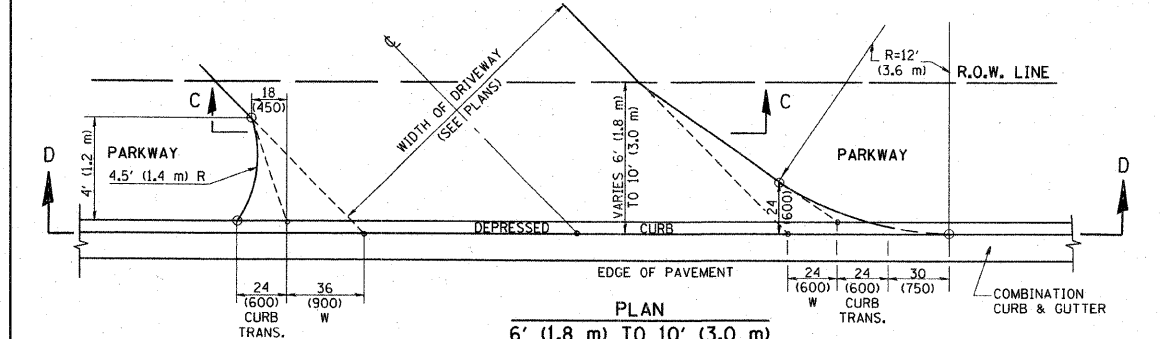
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	115
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



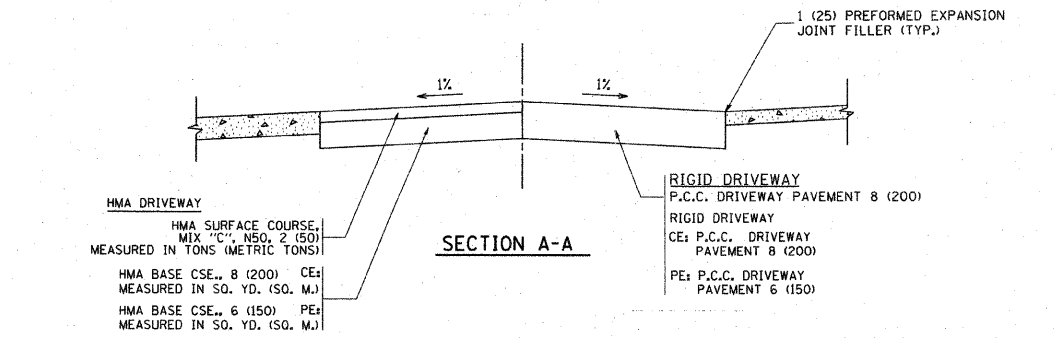
PLAN  
10' (3.0 m) TO < 15' (4.5 m)



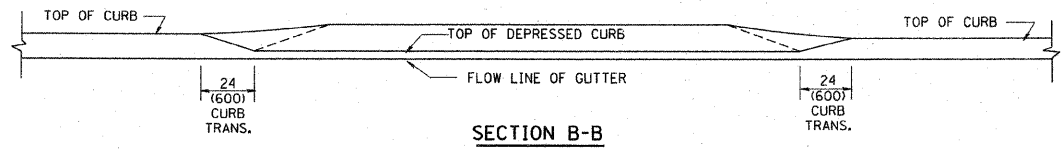
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6' (1.8 m) TO < 10' (3.0 m)



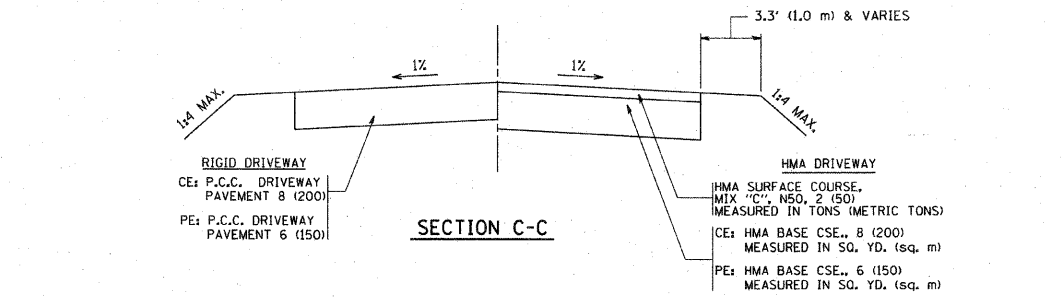
PLAN  
6' (1.8 m) TO 10' (3.0 m)



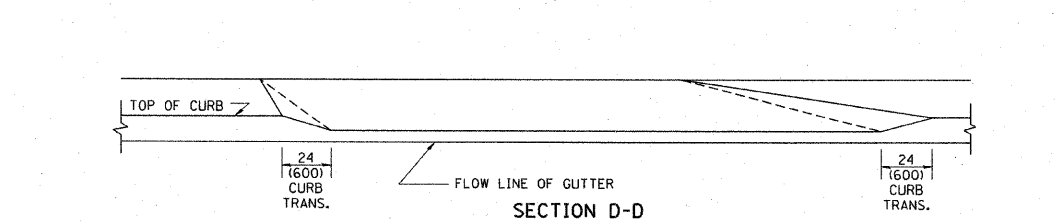
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

FILE NAME =	USER NAME = geglionob	DESIGNED - R. SHAH	REVISED - T. HOLTZ 04-08-97
W:\ds\std\22-34\ba02.dgn		DRAWN -	REVISED - M. GOMEZ 04-06-01
		CHECKED -	REVISED - P. LOFLEUR 04-15-03
		DATE - 11-06-95	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

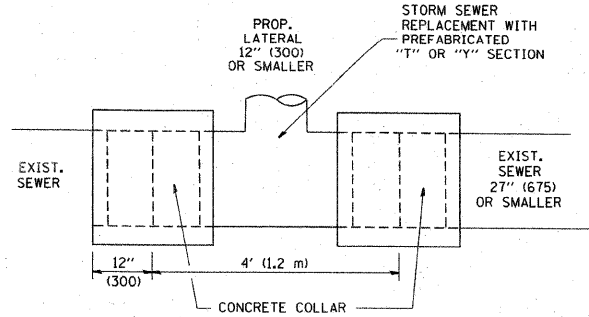
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400-02 (BD-02)			
CONTRACT NO.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

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SCALE = \$SCALE\$  
USER NAME = \$USER\$

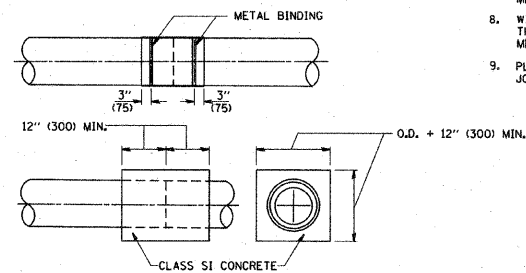
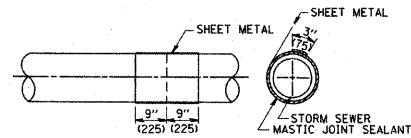
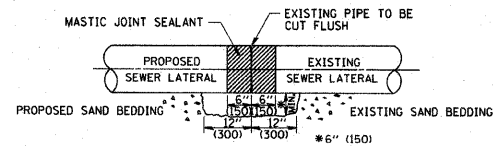
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
DRIVEWAY DETAILS  
DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 15'  
SCALE: VERT. HORIZ.  
DATE OCTOBER 19, 2009  
DRAWN BY  
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	116
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		



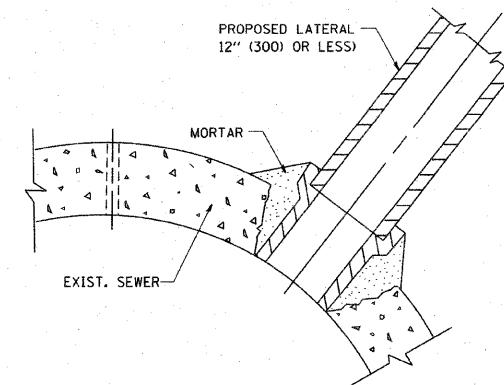
**DETAIL "A"**  
LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



**DETAIL "B"**  
CLASS SI CONCRETE COLLAR

**CONSTRUCTION SEQUENCE**

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



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

**NOTES**

**MATERIAL**

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

**CONSTRUCTION METHODS**

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

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

**GENERAL**

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

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

**BASIS OF PAYMENT**

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

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

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

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

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

FILE NAME = W:\dstatd\22x34\bd07.dgn	USER NAME = ggj:arobt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92
		DRAWN -	REVISED - R. SHAH 09-09-94
		CHECKED -	REVISED - R. SHAH 10-25-94
		DATE - 07-25-90	REVISED - R. SHAH 06-12-96

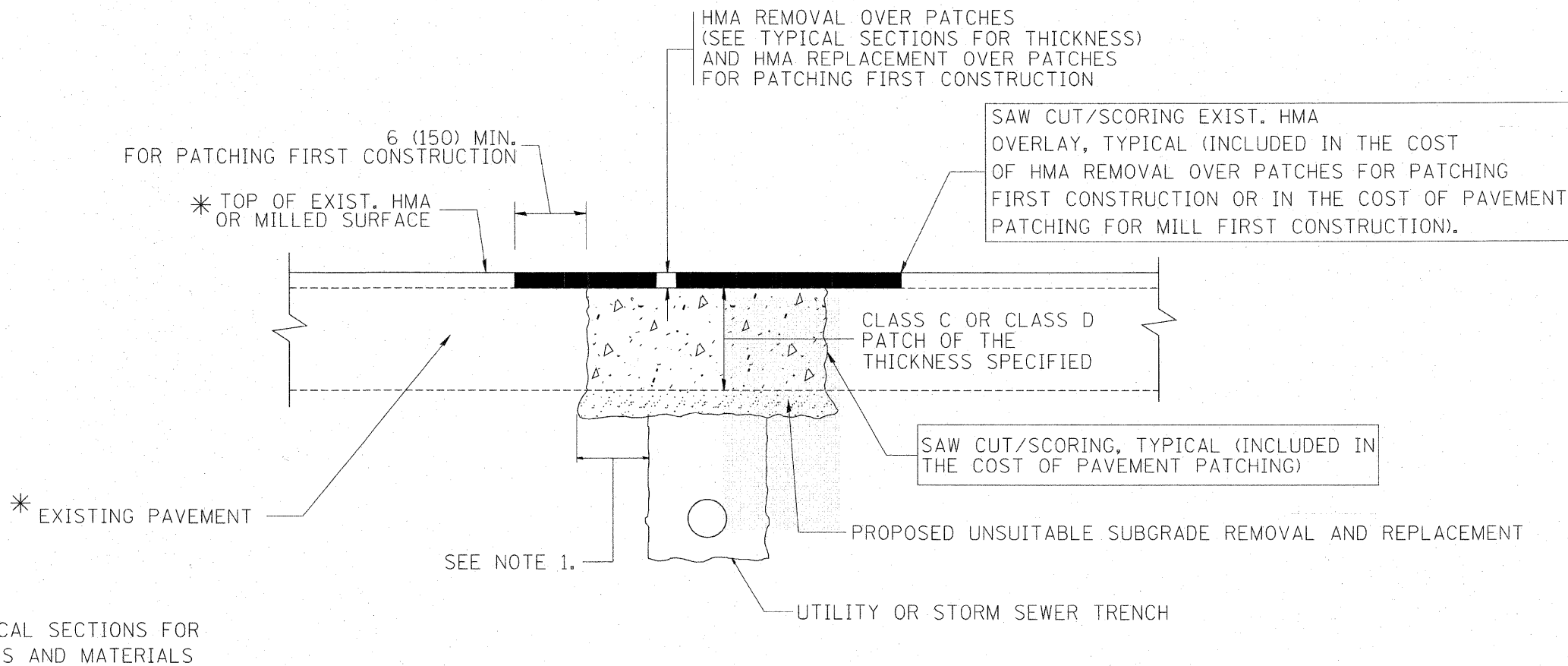
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD500-01 (BD-7)	CONTRACT NO.	
				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
**DETAIL OF STORM SEWER  
CONNECTION TO EXISTING SEWER**  
SCALE: VERT.  
HORIZ.  
DATE: OCTOBER 19, 2009  
DRAWN BY  
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	117
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

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

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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ct:\projects\dstata22x34\bd22.dgn		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 09-04-07
		DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400-04 (BD-22)			
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

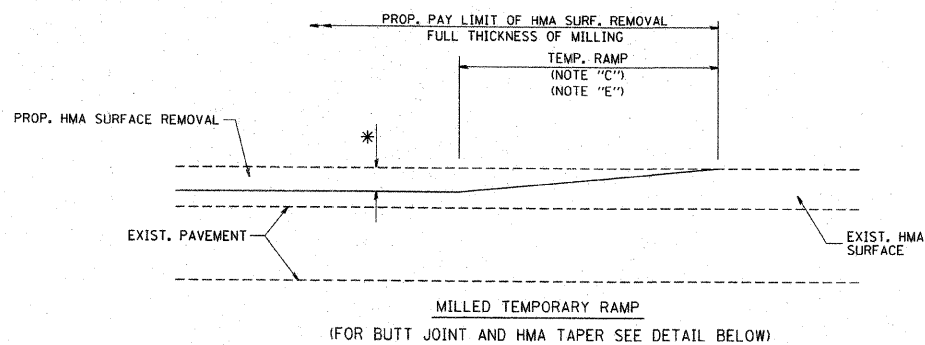
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REVISIONS	
NAME	DATE

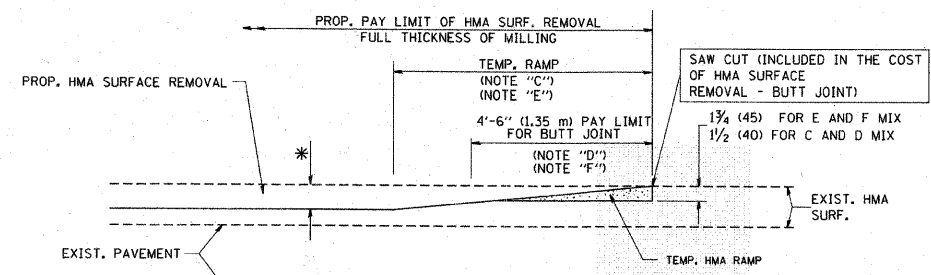
ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT  
SCALE: VERT.  
HORIZ.  
DATE OCTOBER 19, 2009  
DRAWN BY  
CHECKED BY



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	181	118
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

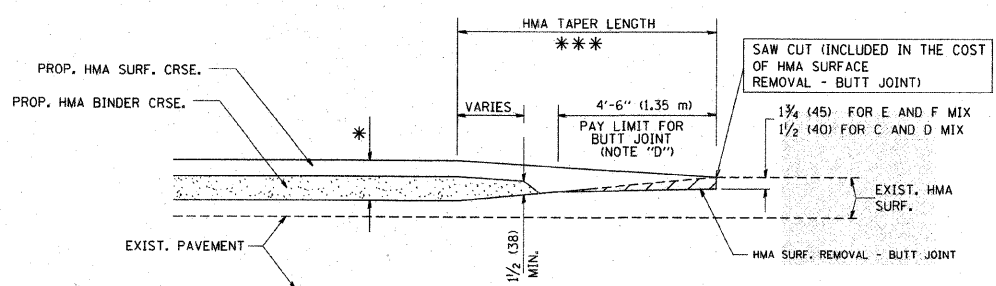


OPTION 1  
MILLED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

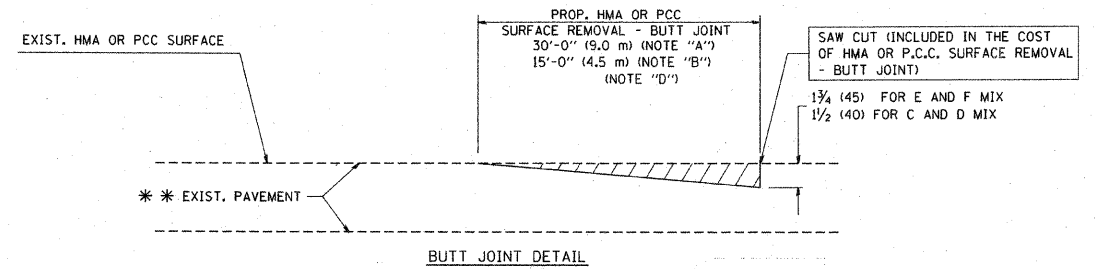


OPTION 2  
HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

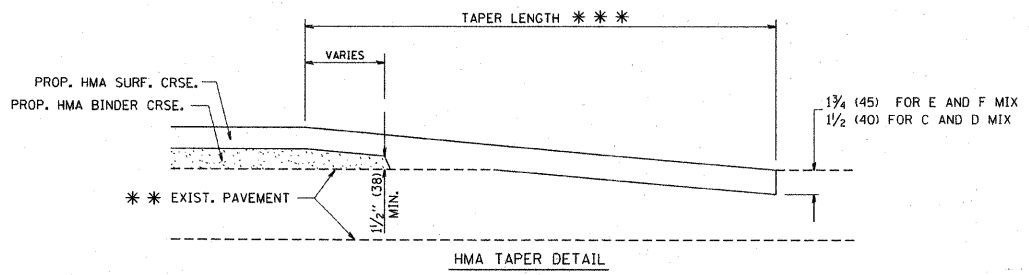
OPTION 2  
TYPICAL TEMPORARY RAMP



BUTT JOINT AND HMA TAPER  
TYPICAL BUTT JOINT AND HMA TAPER  
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER  
FOR RESURFACING ONLY

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

FILE NAME = W:\data\22x34\bd32.dgn	USER NAME = gaglanobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
		CHECKED -	REVISED - M. GOMEZ 04-06-01
		DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. _____ TO STA. _____

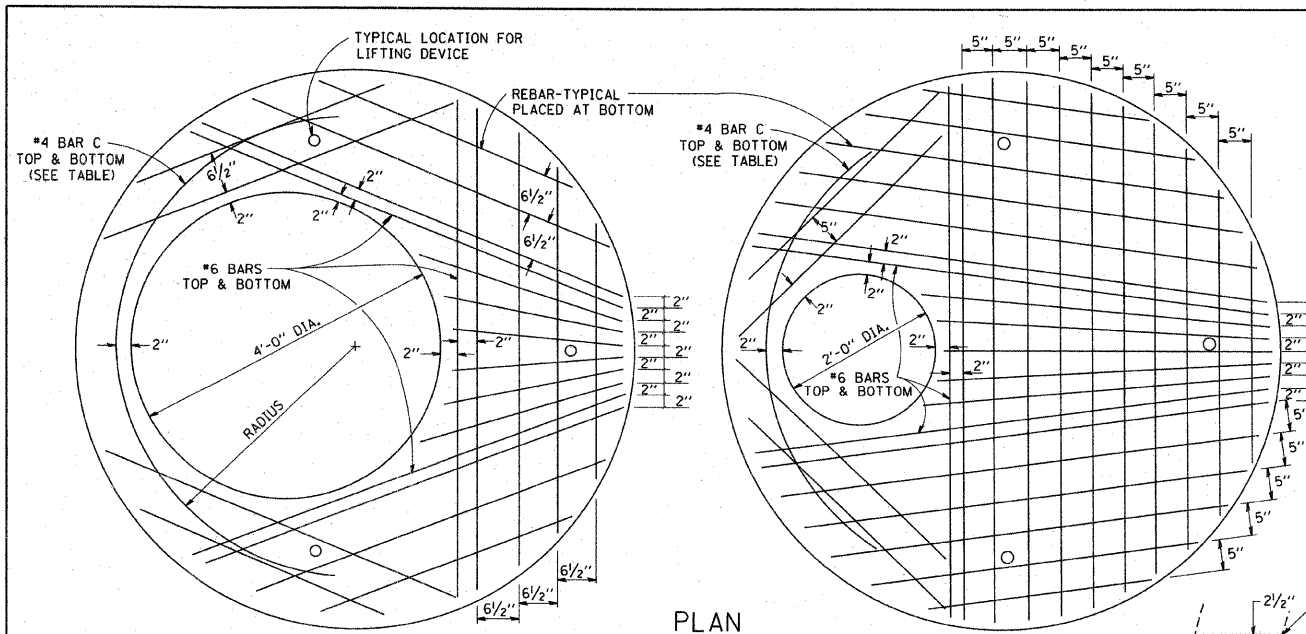
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	BD400-05 BD32			
CONTRACT NO.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

REVISIONS	
NAME	DATE

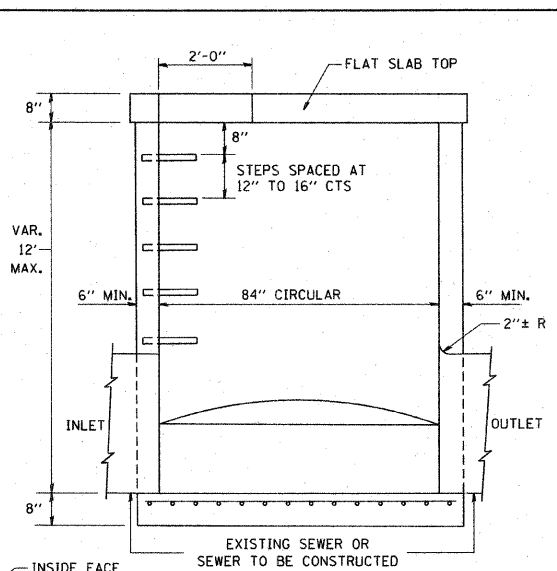
ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
  
BUTT JOINT AND HMA TAPER DETAILS  
  
SCALE: VERT.  
HORIZ.  
DATE OCTOBER 19, 2009  
  
DRAWN BY  
CHECKED BY



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	119
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PLAN  
SHOWING REBAR REINFORCEMENT



ELEVATION

**GENERAL NOTES**

ALTERNATE MATERIAL FOR THE WALLS MAY BE CONCRETE MASONRY UNITS, PRECAST REINFORCED CONCRETE SECTIONS OR CAST-IN-PLACE CONCRETE. THE CAST IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN MAY BE USED WHEN APPROVED BY THE ENGINEER.

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF THREE (3) INCHES. STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN (10') OR LESS.

IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING AND INSTALLING FLAT SLAB TOP.

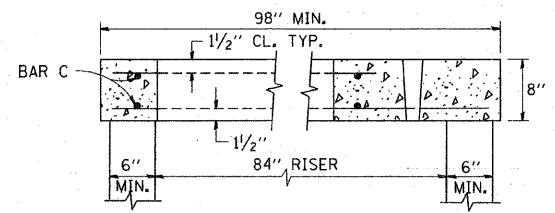
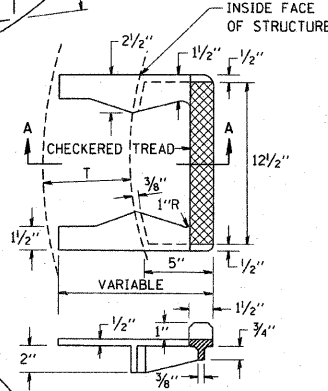
PRECAST FLAT SLAB TOP SHALL CONFORM TO ARTICLES 505.01 THRU 505.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE STRENGTH SHALL BE 4,000 PSI AFTER 28 DAYS. REINFORCEMENT BARS AND WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.10. ONLY GRADE 60 REINFORCEMENT BARS WILL BE PERMITTED.

BOTTOM SLAB SHALL BE REINFORCED BY EITHER REINFORCEMENT BARS OR WELDED WIRE FABRIC. THE MINIMUM REINFORCEMENT SHALL BE 0.46 SQUARE INCH PER LINEAR FOOT IN BOTH DIRECTIONS.

JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL.

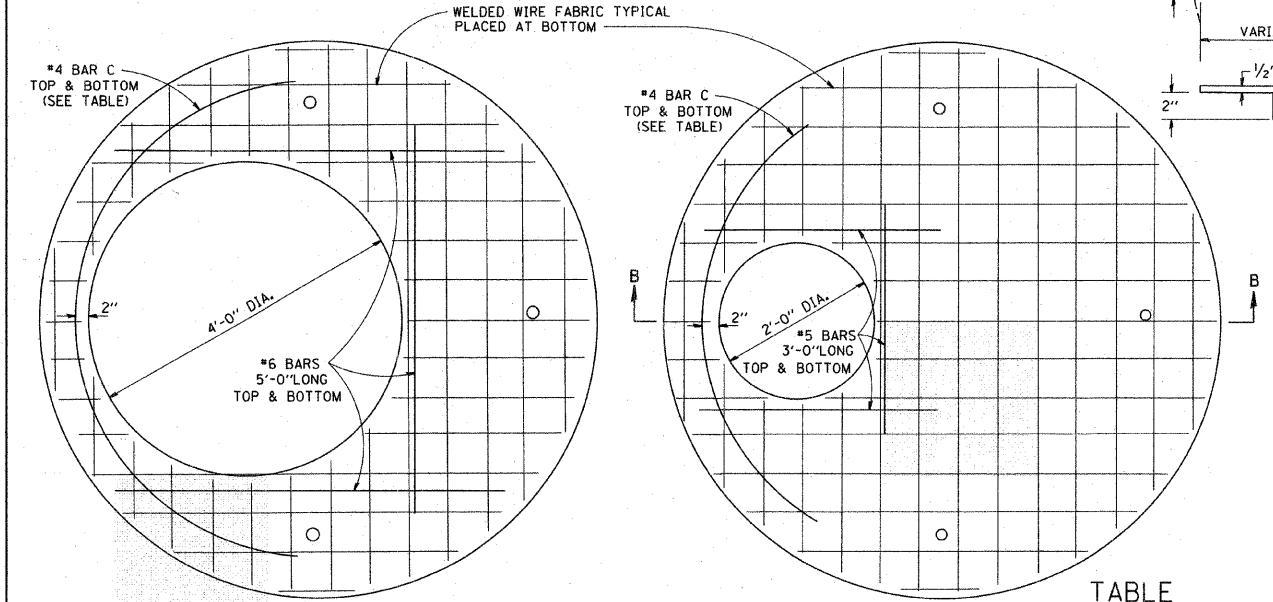
LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.

**SEC. A-A  
CAST IRON STEPS**

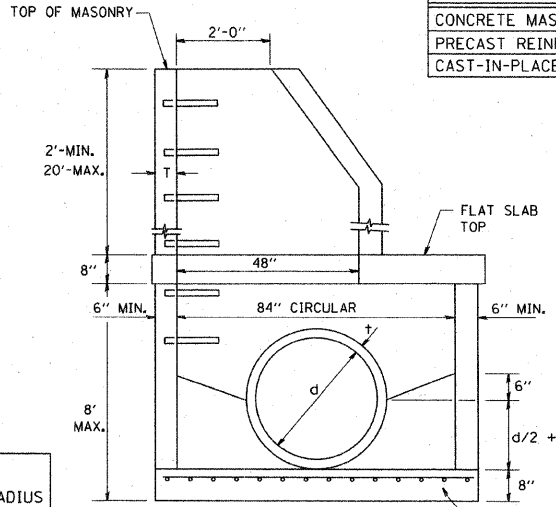


SECTION B-B

ALTERNATE MATERIALS FOR RISERS	T (MIN.)
CONCRETE MASONRY UNITS	5"
PRECAST REINFORCED CONCRETE SECTIONS	4"
CAST-IN-PLACE CONCRETE	6"



PLAN  
SHOWING WELDED WIRE FABRIC REINFORCEMENT



ELEVATION

DIAMETER OF OPENING	REINFORCEMENT "A" WWF OR BAR SIZE EACH DIRECTION	OR BAR SIZE	BAR C		
			SIZE	LENGTH	RADIUS
2'-0"	1.06 SQ.IN./LIN.FT.	#6	#4	6'-0"	38"
4'-0"	0.82 SQ.IN./LIN.FT.	#6	#4	9'-0"	38"

NOTE: THIS STRUCTURE SHOULD BE USED WITH PIPES SIZE 54" DIA. OR SMALLER.

FILE NAME = W:\distd\122x34\bd37.dgn	USER NAME = geglennbt	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MANHOLE TYPE A 7 FOOT DIAMETER</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	BD600-11			(BD-37)	CONTRACT NO.			
PLOT DATE = 1/4/2008	DATE = 10-18-02	REVISED -	SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

REVISIONS	
NAME	DATE

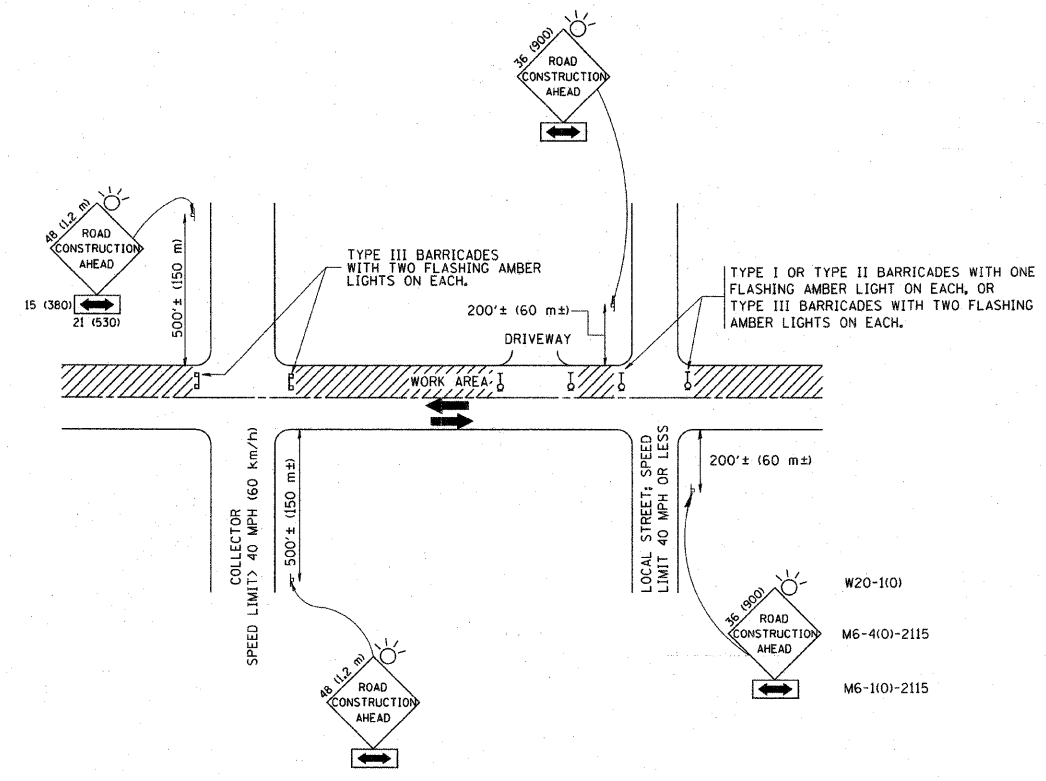
ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)

MANHOLE TYPE A  
7 FOOT DIAMETER

SCALE: VERT. HORIZ.  
DATE: OCTOBER 19, 2009

DRAWN BY  
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	120
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAY:
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 70150L, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME w:\dststd\22x34\ca18.dgn	USER NAME gaglianobt	DESIGNED LHA	REVISOR J. OBERLE 10-18-95
		DRAWN -	REVISOR A. HOUSEH 03-06-96
		CHECKED -	REVISOR A. HOUSEH 10-15-96
		DATE 06-89	REVISOR T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-10			
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. _____ TO STA. _____
		FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT

DATE \$DATE\$  
FILE NAME \$FILENAME\$  
PLOT SCALE \$PLOTSCALE\$  
USER NAME \$USER\$

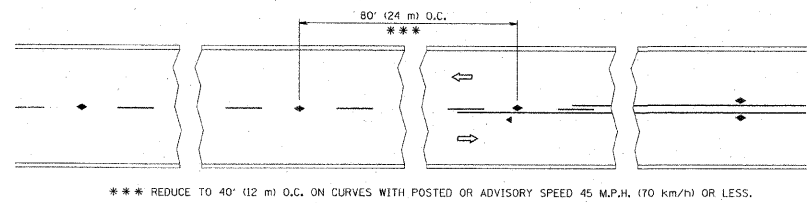
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
TRAFFIC CONTROL AND PROTECTION  
FOR SIDE STREETS, INTERSECTIONS,  
AND DRIVEWAYS

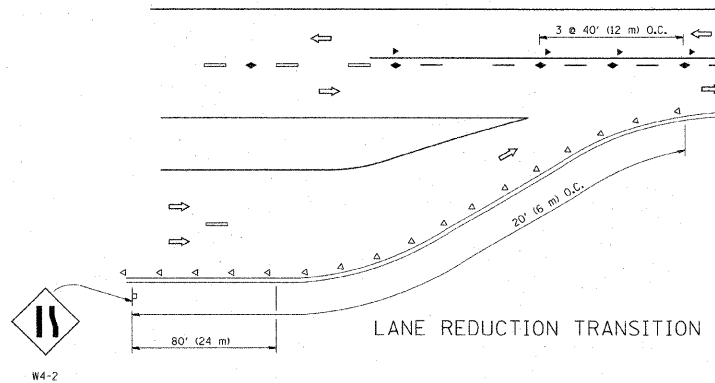
SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE OCTOBER 19, 2009

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

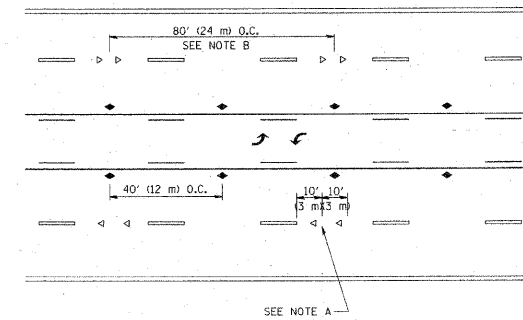
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	121
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



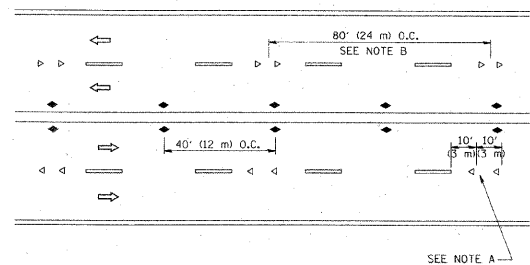
TWO-LANE/TWO-WAY



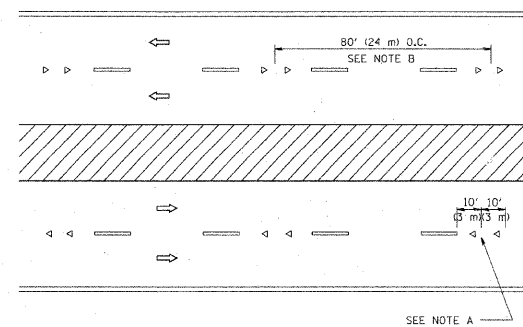
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

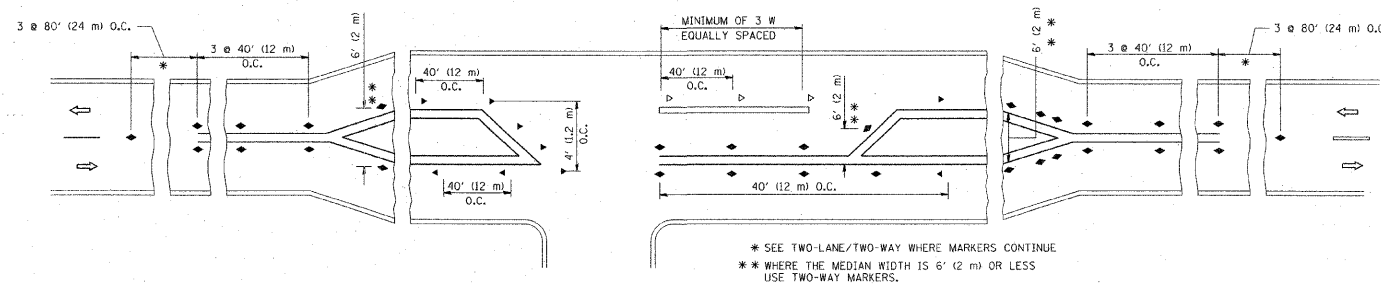
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED -T, RAMMACHER 09-19-94
c:\p\work\p\p\dot\drivakosgn\08108315\1.dgn		DRAWN -	REVISED -T, RAMMACHER 03-12-99
	PLOT SCALE = 50,000 / IN.	CHECKED -	REVISED -T, RAMMACHER 01-06-00
	PLOT DATE = 1/17/2009	DATE -	REVISED -C, JUCIUS 09-09-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

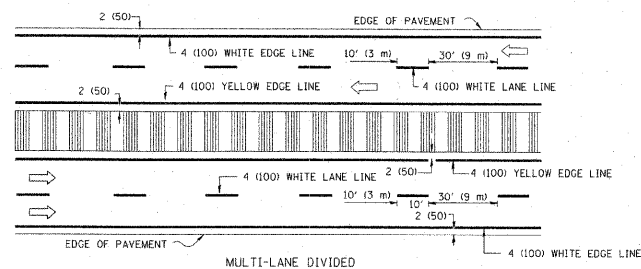
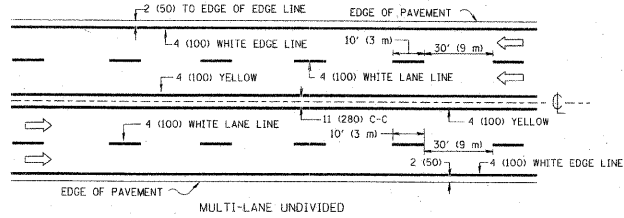
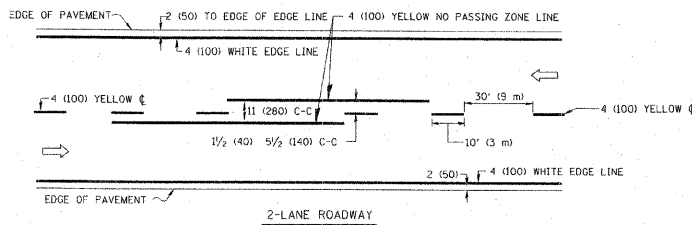
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-11			
CONTRACT NO. _____				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLOT DATE = \$DATE\$  
FILE NAME = \$DTPLOT\$  
USER NAME = \$USER\$

REVISIONS	
NAME	DATE

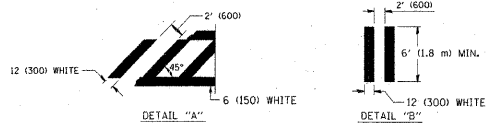
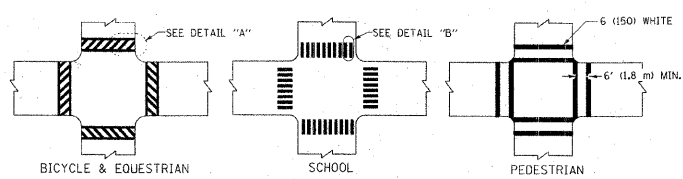
ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS  
(SNOW PLOW RESISTANT)  
SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE OCTOBER 19, 2009  
DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

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

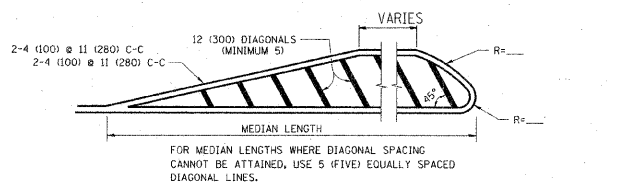
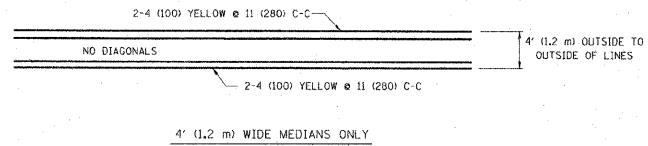


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

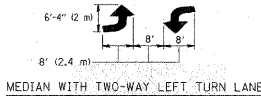
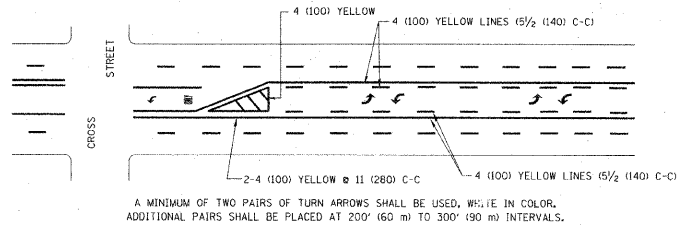


TYPICAL CROSSWALK MARKING



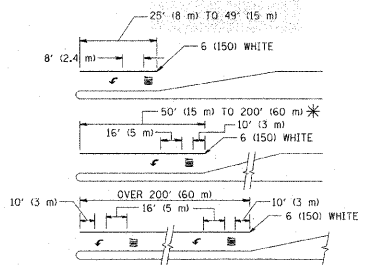
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h))  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE



TYPICAL PAINTED MEDIAN MARKING

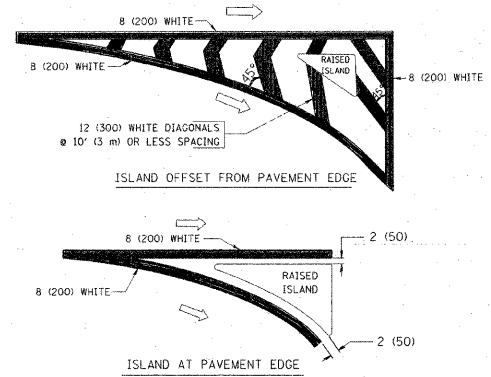
TYPICAL TURN LANE MARKING



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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS 18' (2.4m)	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BICYCLE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK; IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' @ 11.8 m LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED - T. RAMMACH 10-27-94
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	PLOT SCALE = 50,000 / IN.	CHECKED -	REVISED -
	PLOT DATE = 4/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS

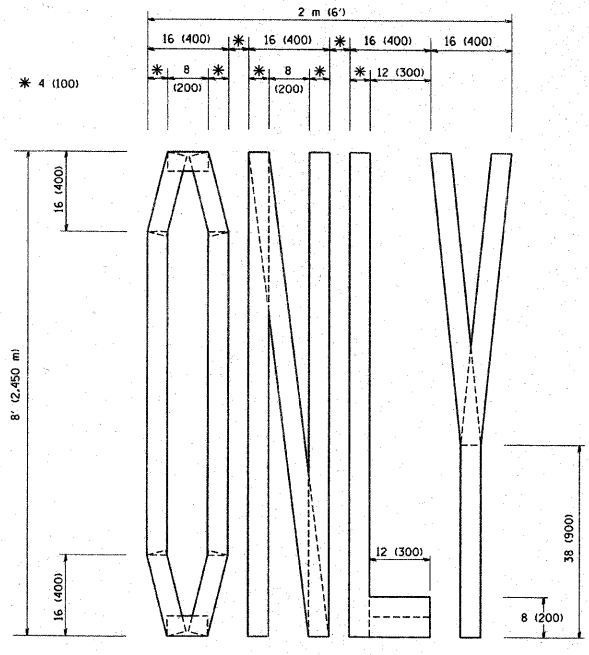
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-13			
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

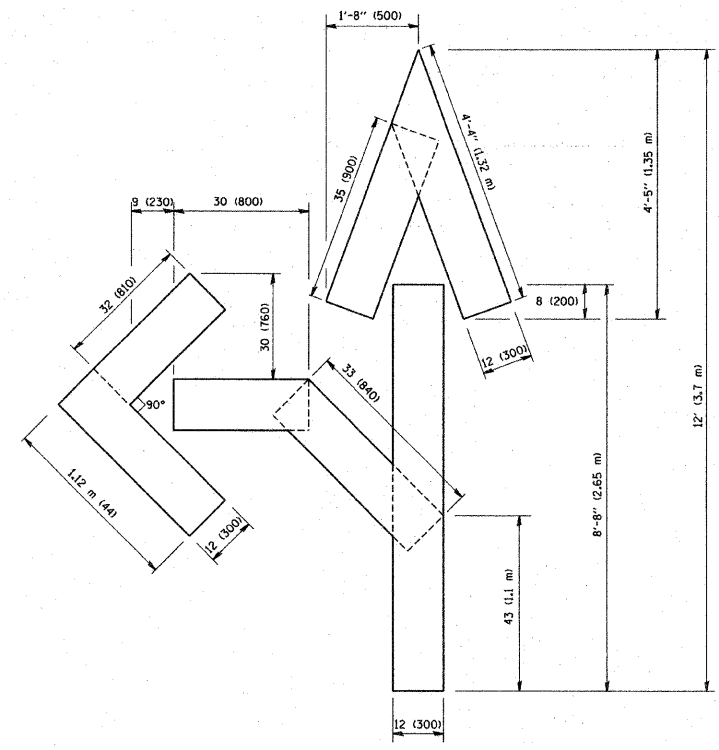
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS  
SCALE: VERT.  
HORIZ.  
DATE: OCTOBER 19, 2009  
DRAWN BY  
CHECKED BY

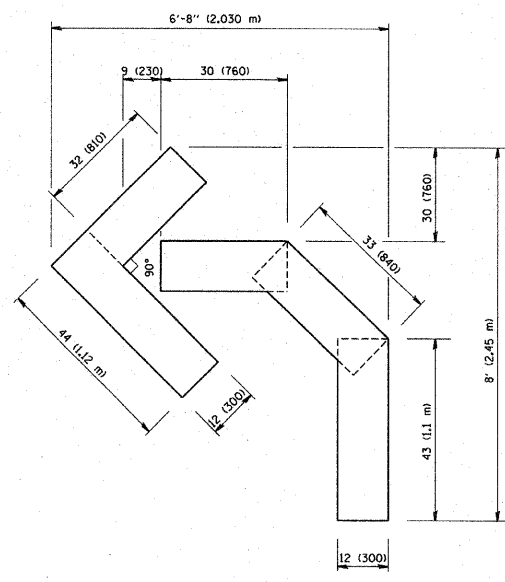
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	123
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



QUANTITY  
4 (100) LINE = 64.1 ft. (19.7 m)  
21.1 sq. ft. (1.97 sq. m)



QUANTITY  
4 (100) LINE = 82.5 ft. (25.3 m)  
27.5 sq. ft. (2.53 sq. m)



QUANTITY  
4 (100) LINE = 45.5 ft. (13.9 m)  
15.2 sq. ft. (1.39 sq. m)

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

FILE NAME = W:\dststd\22x34\1216.dgn	USER NAME = gegljanob	DESIGNED -	REVISED -T. RAMMACHER 06-05-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -T. RAMMACHER 11-04-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-16	CONTRACT NO.		
		CHECKED -	REVISED -T. RAMMACHER 03-02-98						FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	
		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00									

PLOT DATE = \$DATE\$  
FILE NAME = \$FILENAME\$  
PLOT SCALE = \$SCALE\$  
USER NAME = \$USER\$

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
PAVEMENT MARKING  
LETTERS AND SYMBOLS  
FOR TRAFFIC STAGING  
SCALE: VERT.  
HORIZ.  
DATE OCTOBER 19, 2009  
DRAWN BY  
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-0075-00-PV	COOK	161	124
STA. _____ TO STA. _____		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

**ROUTE MARKERS**

FOR U.S. ROUTES MI-40-2424

FOR ILLINOIS ROUTES MI-50-2424

R.R. UNMARKED ROUTES SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

**ARROWS SIGNS**

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-3-2115

**CARDINAL DIRECTION & DETOUR SIGNS**

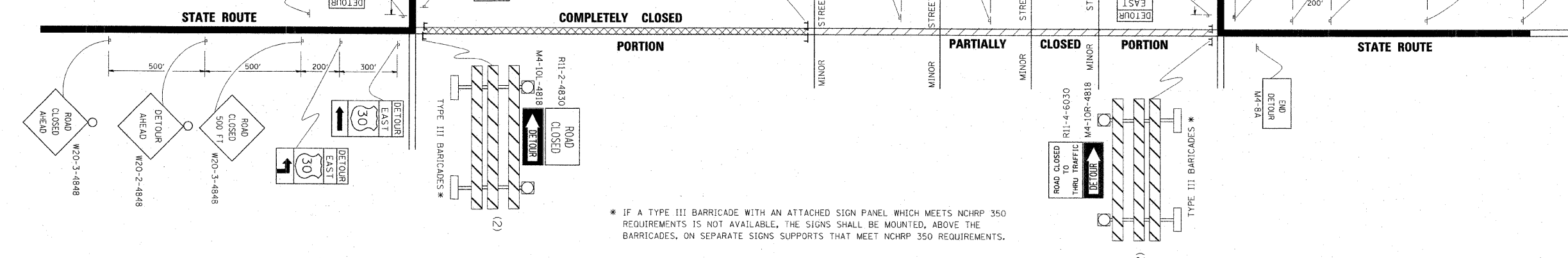
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



FILE NAME =	USER NAME = drsvakosgn	DESIGNED -	REVISED - 10-18-02
ca:\pwwork\pwwork\DRIVAKOSGN\01083151\21.dgn		DRAWN -	REVISED - R. BORO 09-14-09
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING  
FOR CLOSING STATE HIGHWAYS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-21			
CONTRACT NO. _____				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)

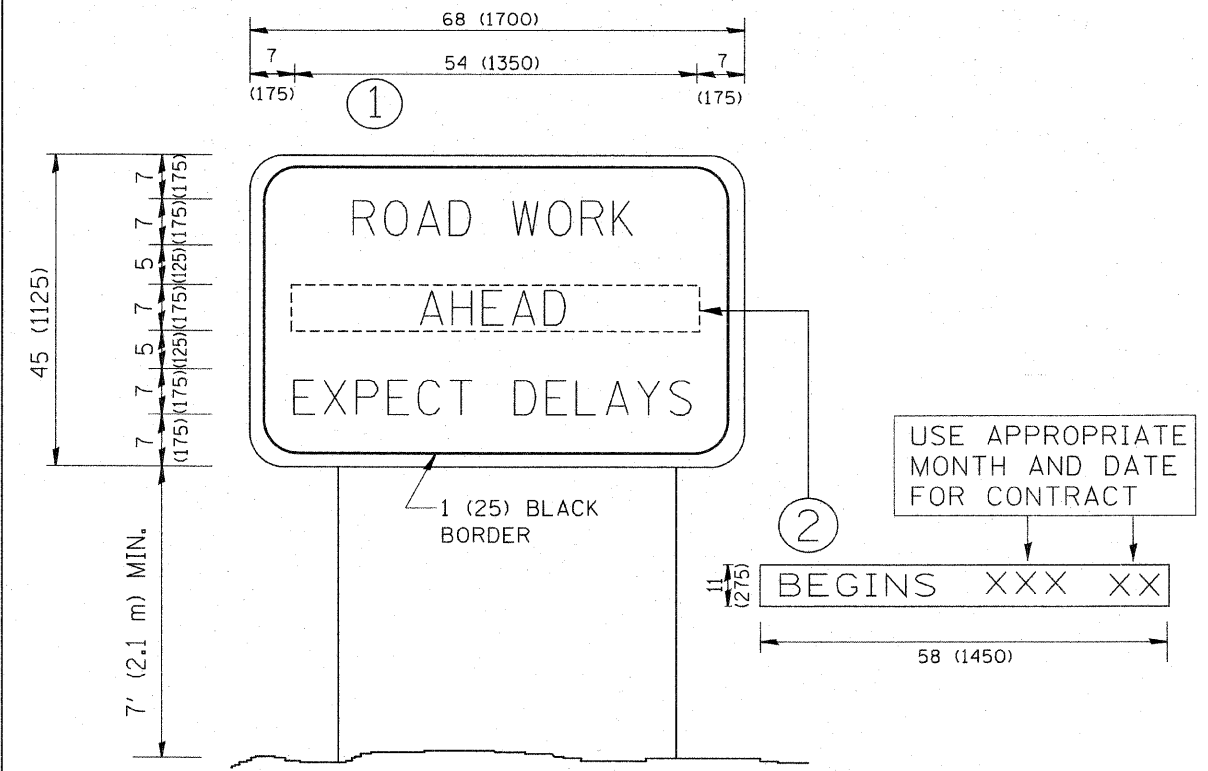
TYPICAL MARKING  
FOR CLOSING STATE HIGHWAYS

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE: OCTOBER 19, 2009

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

PLOT DATE = \$DATE\$  
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PLOT SCALE = \$SCALE\$  
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	125
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		



**NOTES:**

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

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

FILE NAME = W:\distatd\22x34\to22.dgn	USER NAME = geglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
		CHECKED -	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUICIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. _____	TO STA. _____	F.A. RTE. _____	SECTION _____	COUNTY _____	TOTAL SHEETS _____	SHEET NO. _____
				TC-22		CONTRACT NO. _____		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

REVISIONS	
NAME	DATE

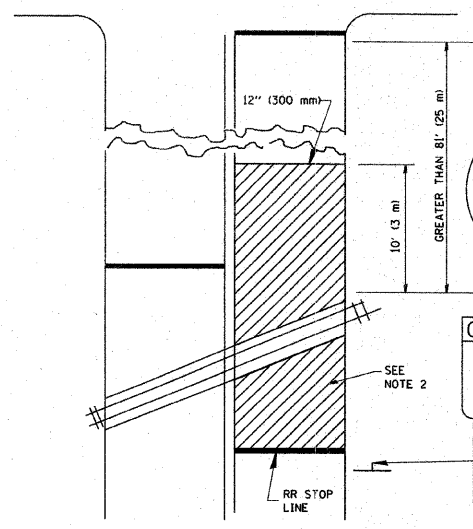
ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
  
ARTERIAL ROAD INFORMATION SIGN  
  
SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE: OCTOBER 19, 2009  
  
DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

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FILE NAME = \$FILENAME\$  
PLOT SCALE = \$SCALE\$  
USER NAME = \$USER\$

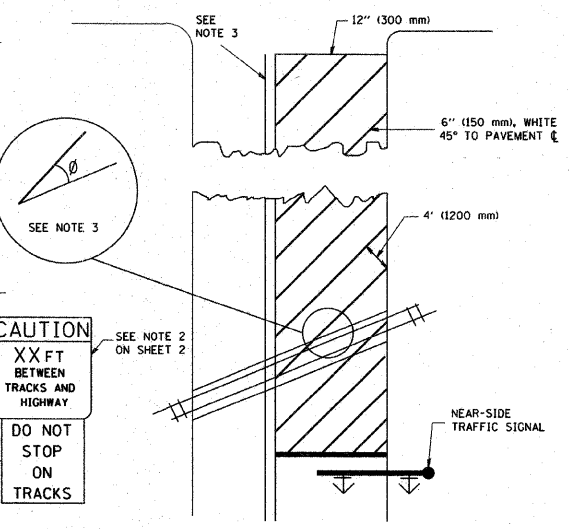


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

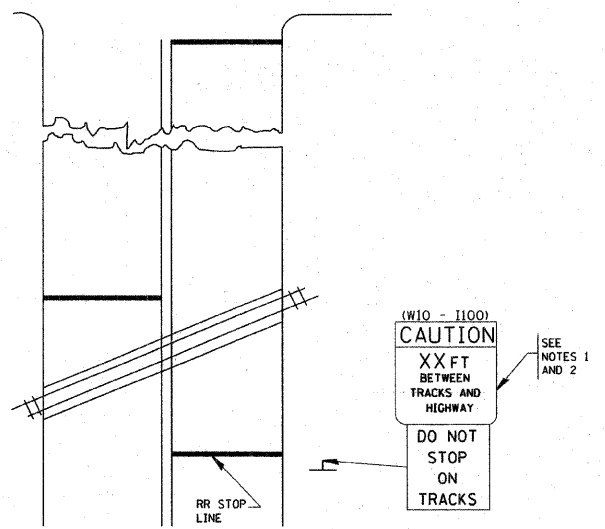
WITH INTERSECTION TRAFFIC SIGNALS



WITH NEAR-SIDE TRAFFIC SIGNALS



WITH NONSIGNALIZED INTERSECTION  
81' (25 m) OR LESS TO CLOSEST RAIL



NOTES:

1. PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED, THE PAVEMENT MARKINGS EXTENDS TO THE INTERSECTION.
3. WHERE THE ANGLE BETWEEN THE DIAGONAL STRIPES AND THE TRACK (W) WOULD BE LESS THAN APPROXIMATELY 20°, THE STRIPES SHOULD BE SLOPED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

NOTE 1:

1. DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET (1.8 m) FROM THE RAIL CLOSEST TO THE INTERSECTION TO THE STOP LINE OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET (1.5 m). WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE THE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
2. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION.

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

FILE NAME = w:\dstata\22x34\tc23.dgn	USER NAME = ggglisr0bt	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -
			01-01-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING  
TREATMENT FOR RAILROAD CROSSINGS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-23			
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. _____ TO STA. _____
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

PLOT DATE = \$DATE\$  
FILE NAME = \$FILENAME\$  
PLOT SCALE = \$SCALE\$  
USER NAME = \$USER\$

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF PALATINE  
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)

TYPICAL SUPPLEMENT SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSING

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE: OCTOBER 19, 2009

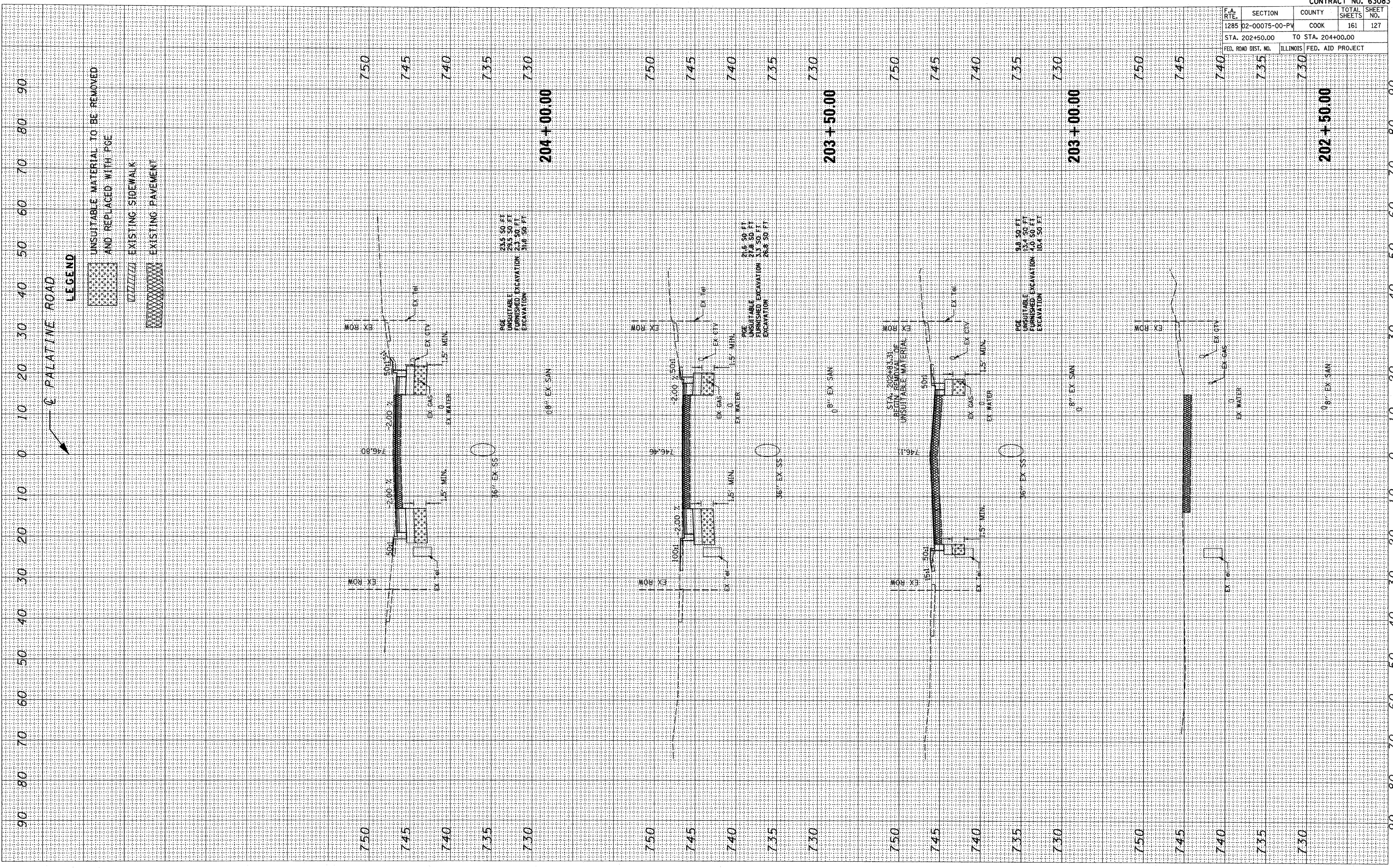
DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	127
STA. 202+50.00		TO STA. 204+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	



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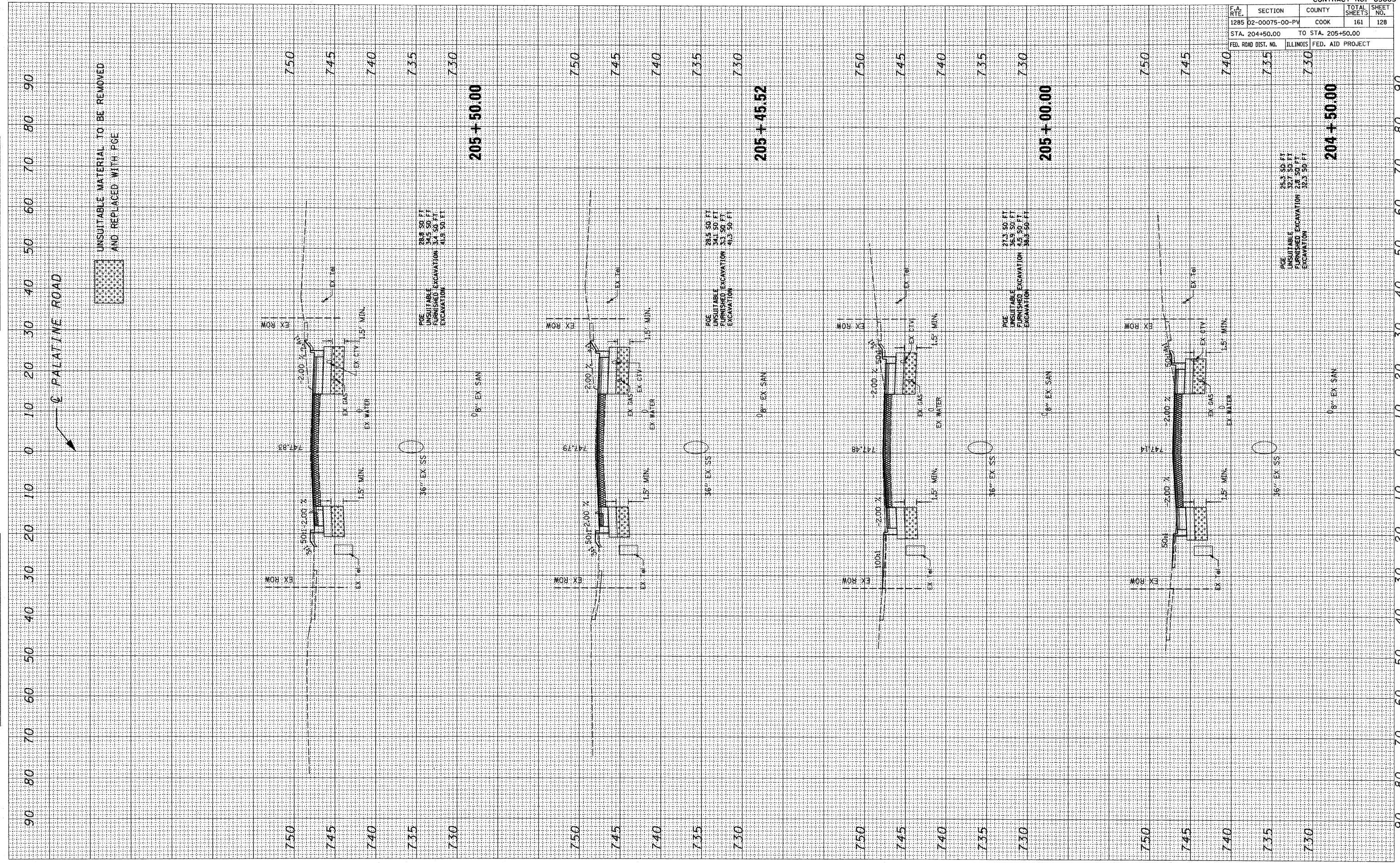


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 NO. OF STAKES BY DATE  
 NO. OF TEMPLATES BY DATE  
 NO. OF AREAS CHECKED BY DATE

ORIGINAL SURVEY BY DATE  
 NO. SURVEYED BY DATE  
 NO. OF STAKES BY DATE  
 NO. OF TEMPLATES BY DATE  
 NO. OF AREAS CHECKED BY DATE

PLOT DATE = 10/22/2009  
 PLOT NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #USER#

CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285 D2-00075-00-PV		COOK	161	128
STA. 204+50.00		TO STA. 205+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



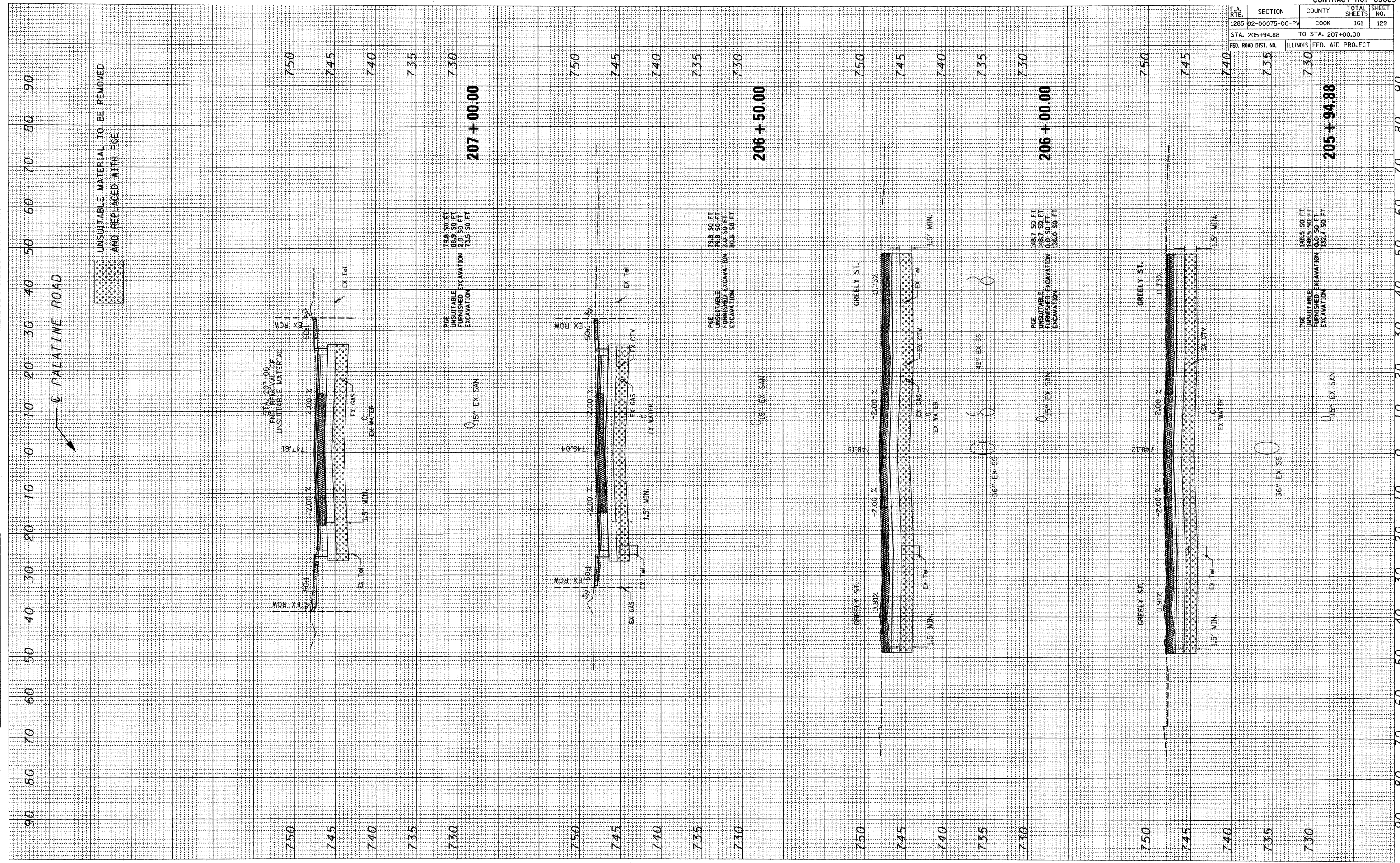


FINAL SURVEY BY DATE  
 SURVEYED BY DATE  
 PLOTTED BY DATE  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED  
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ORIGINAL SURVEY BY DATE  
 SURVEYED BY DATE  
 PLOTTED BY DATE  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED  
 NO.

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 PLOT SCALE = #SCALE#  
 USER NAME = #USER#

CONTRACT NO. 63083	
F.A. SITE	SECTION
1285	02-00075-00-PV
COUNTY	COOK
TOTAL SHEETS	161
SHEET NO.	129
STA. 205+94.88	TO STA. 207+00.00
FED. ROAD DIST. NO.	ILLINOIS
FED. AID PROJECT	

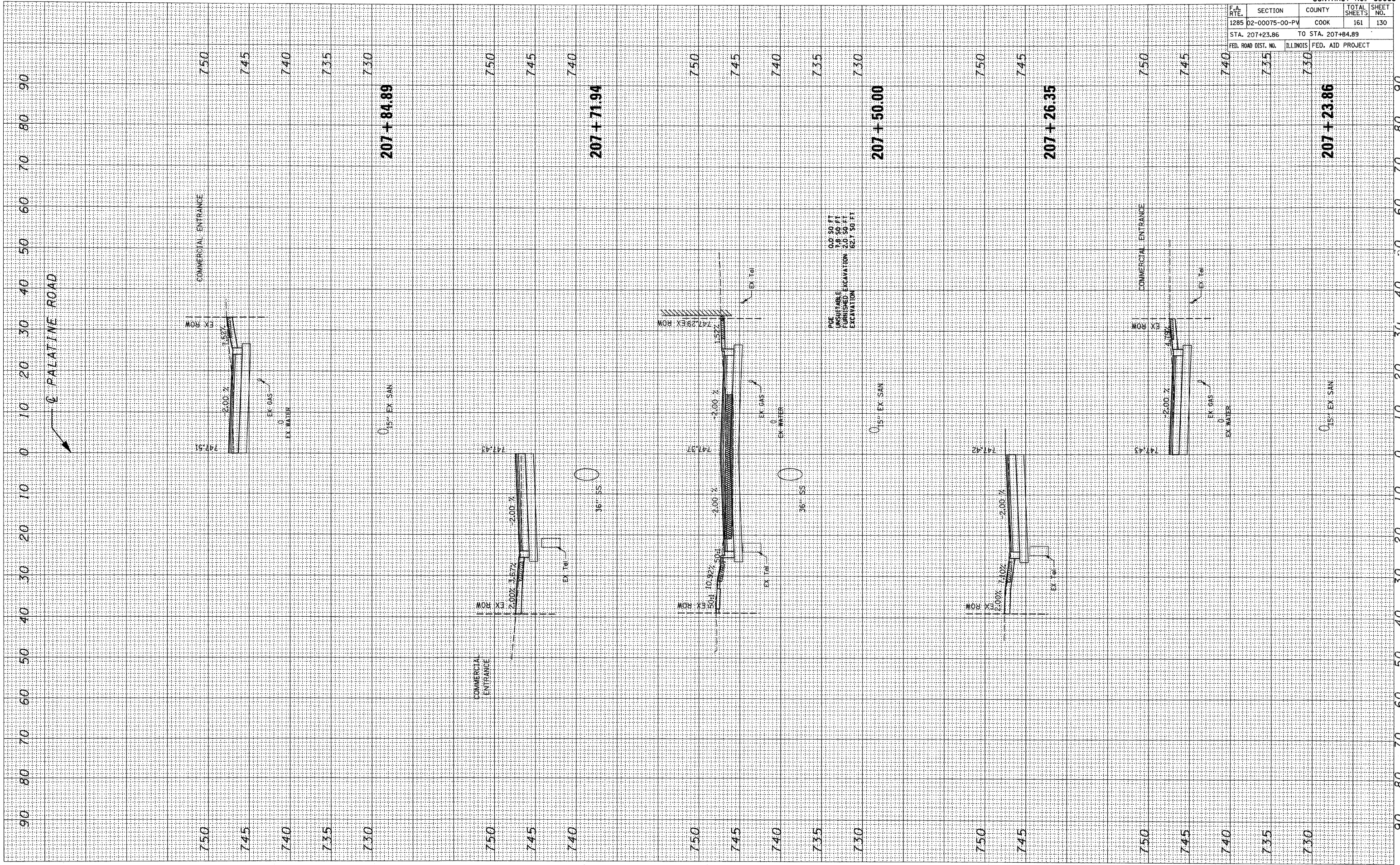




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ORIGINAL SURVEY BY DATE  
 SURVEYED BY DATE  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

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



CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285 D2-00075-00-PV		COOK	161	130
STA. 207+23.86		TO STA. 207+84.89		
ILLINOIS FED. AID PROJECT				

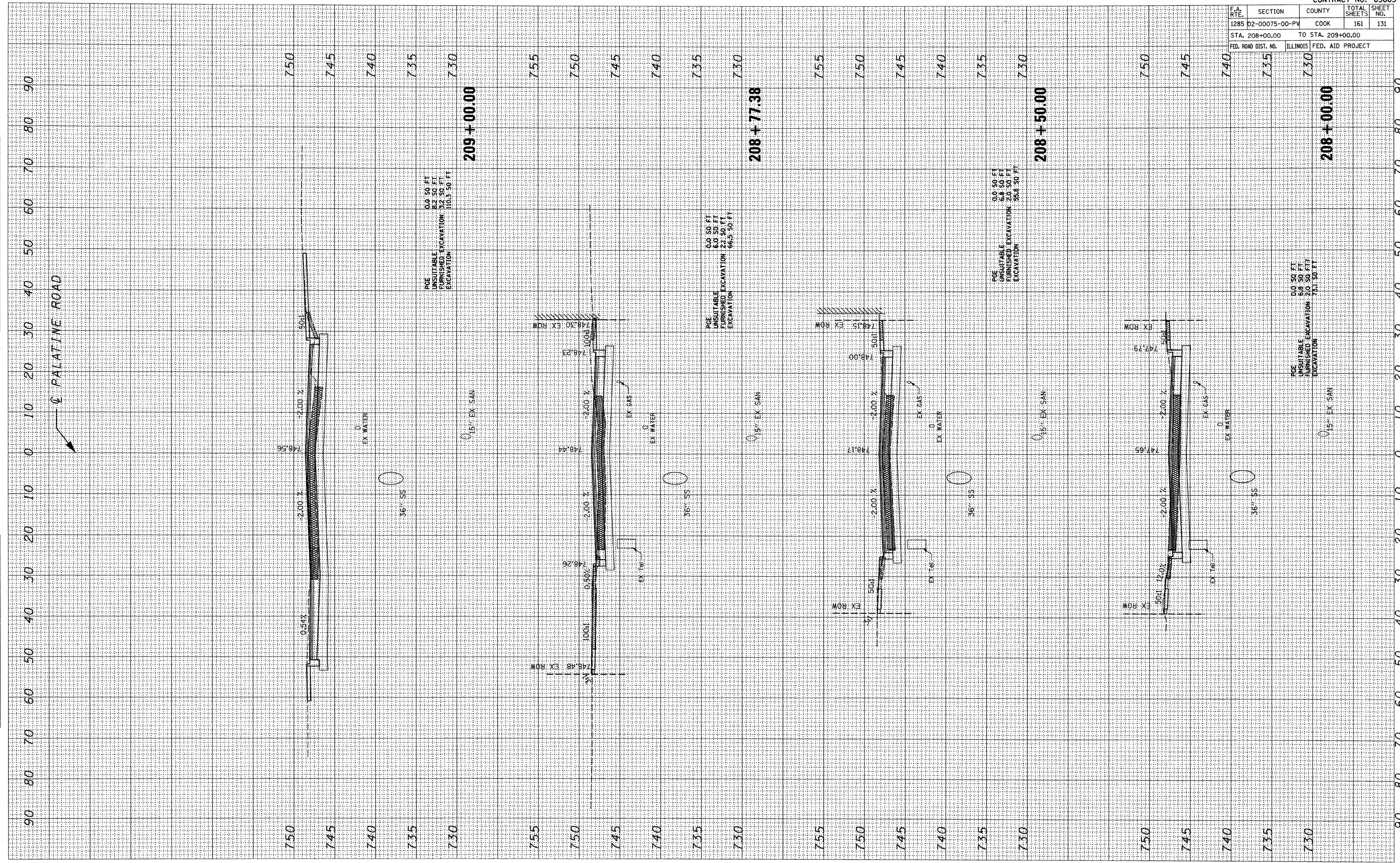


F.A. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285 D2-00075-00-PW	COOK	ILLINOIS	161	131
STA. 208+00.00 TO STA. 209+00.00		FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NO. _____		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
NO. _____		
NOTE BOOK		
AREAS CHECKED		

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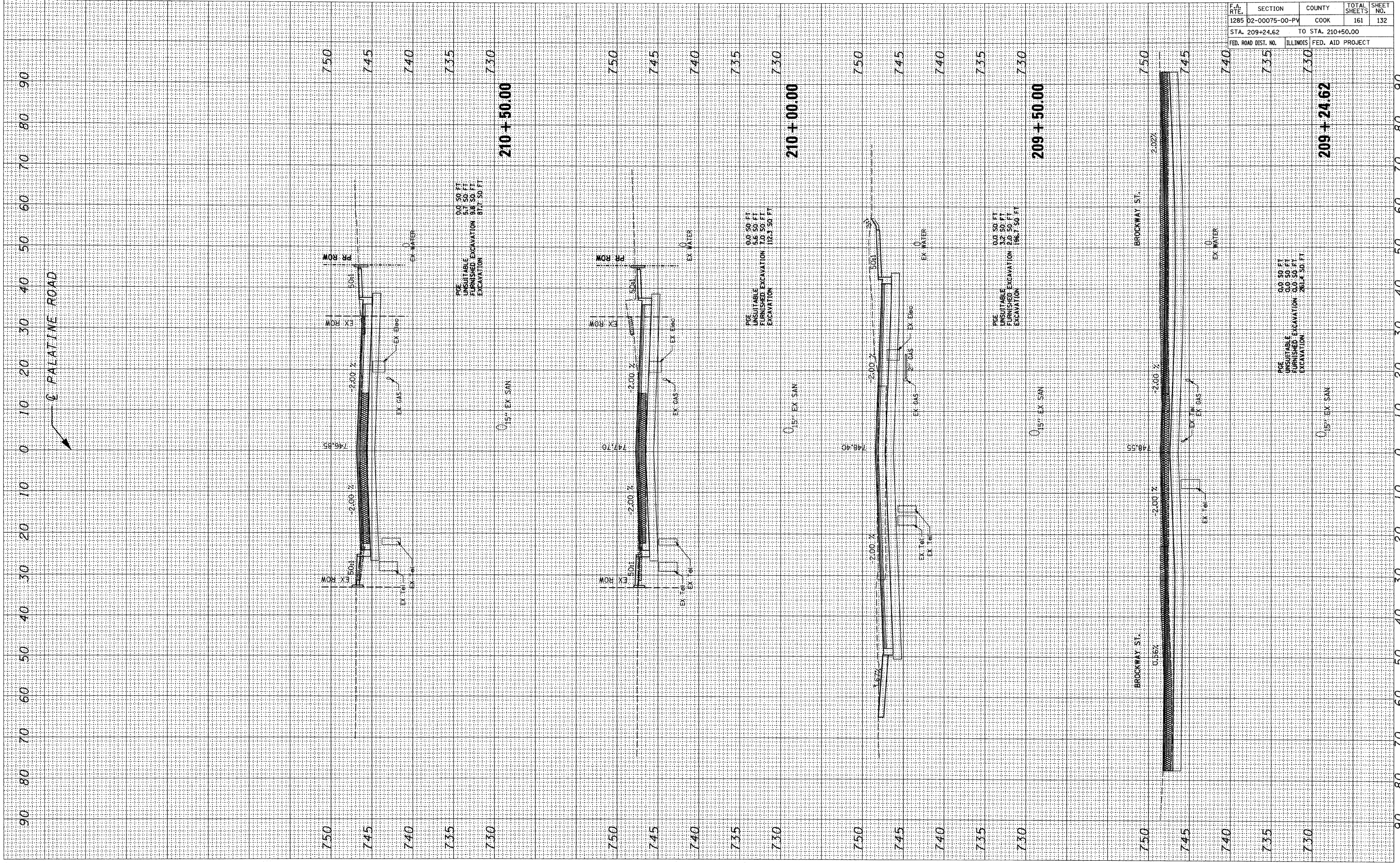
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ORIGINAL SURVEY BY DATE  
 SURVEYED BY DATE  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

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



CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	D2-00075-00-PV	COOK	161	132
STA. 209+24.62		TO STA. 210+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

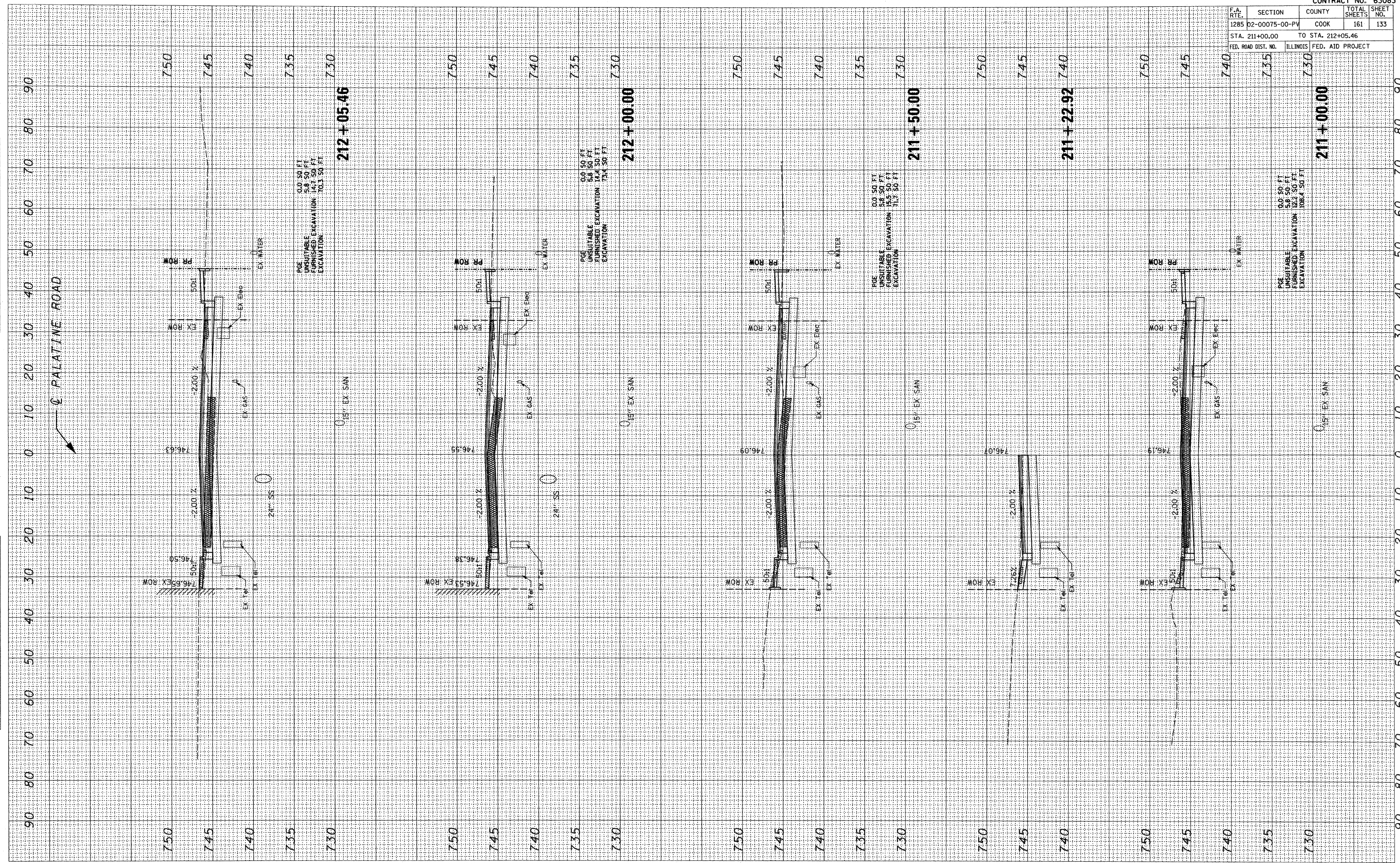


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	D2-00075-00-PV	COOK	161	133
STA. 211+00.00 TO STA. 212+05.46		FED. AID PROJECT		
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

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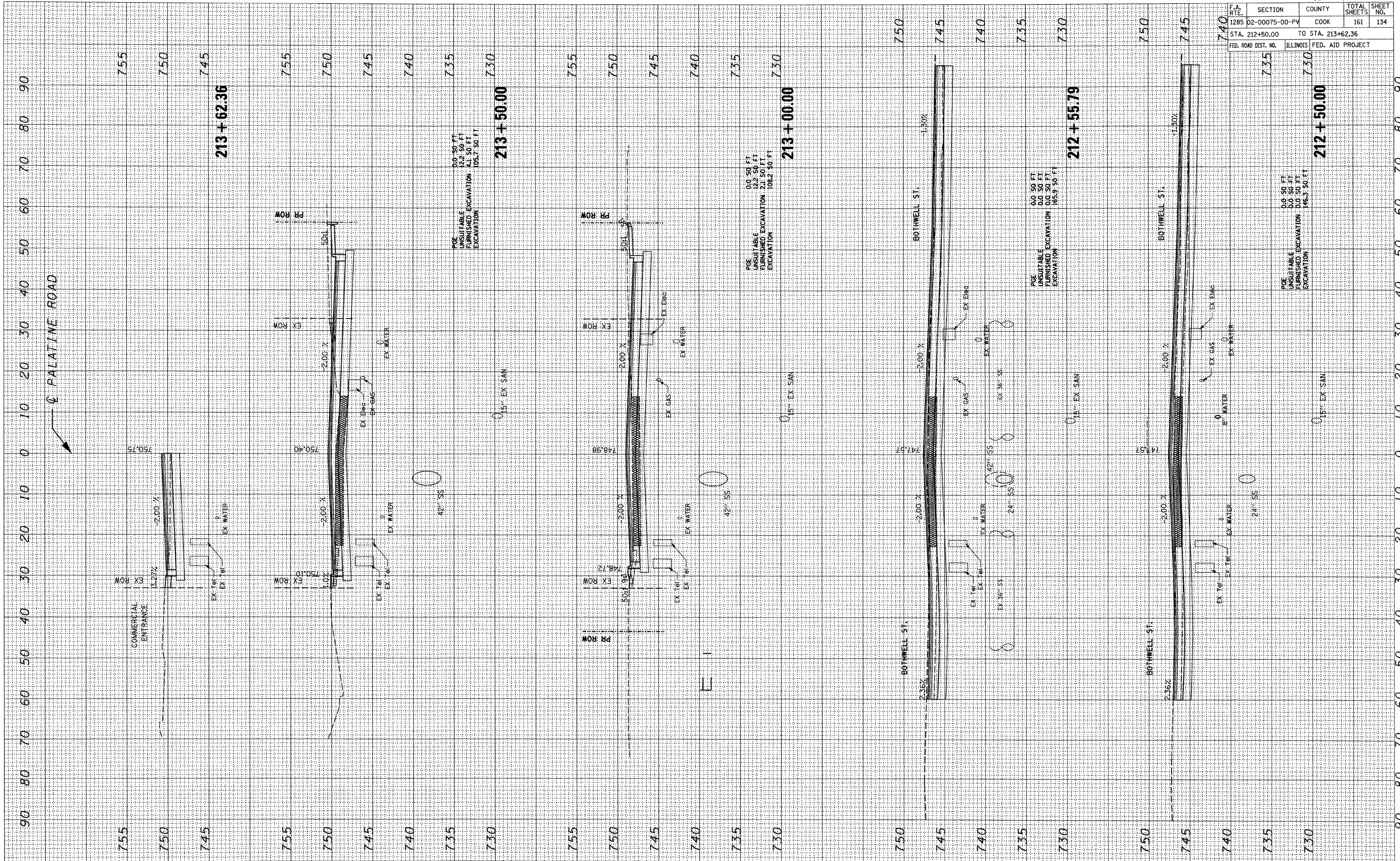




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 NOTE BOOK NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

FINAL SURVEY PLOTTED  
 SURVEY FILED  
 NOTE BOOK NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_



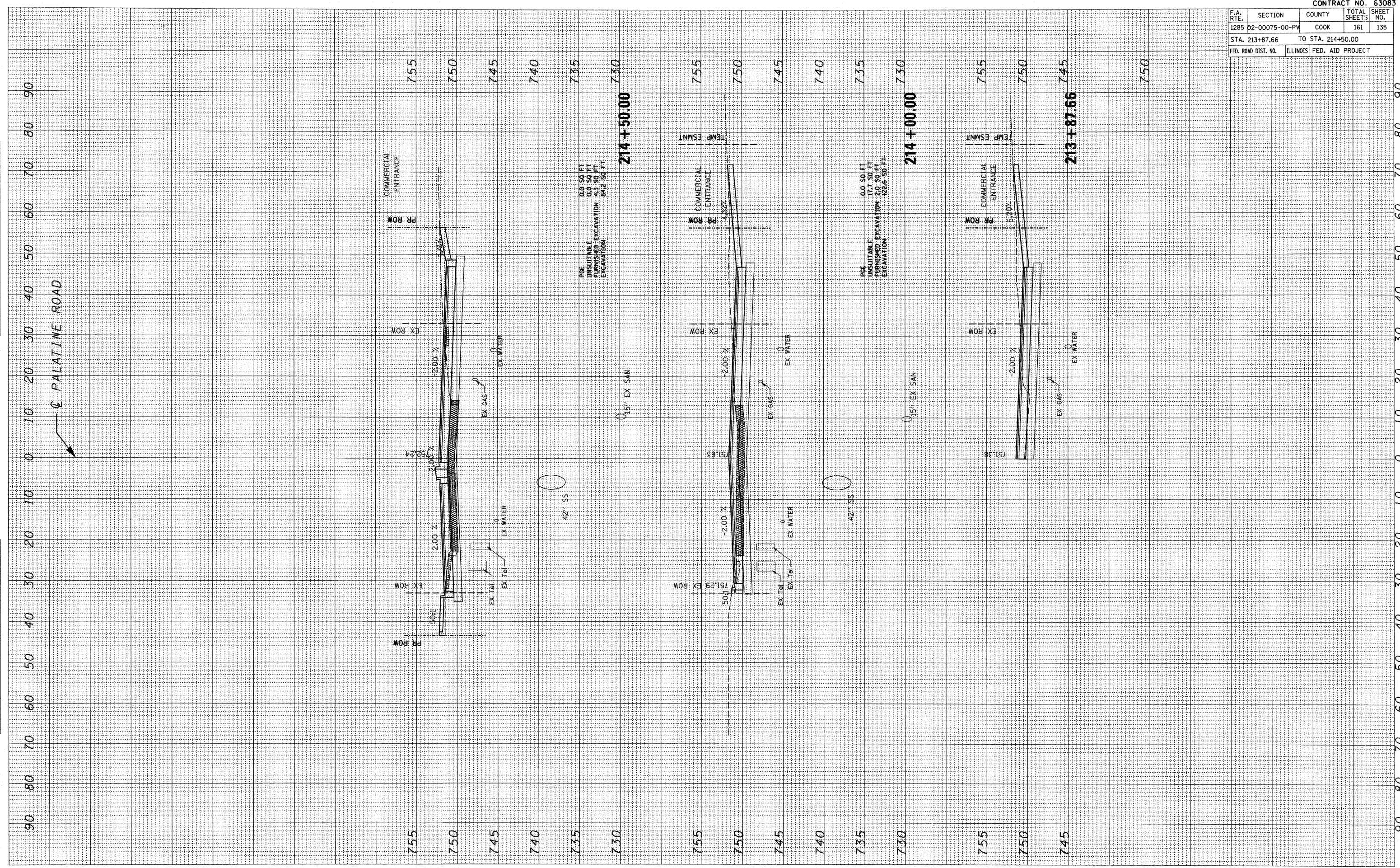
CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285 02-00075-00-PV	COOK		161	134
STA. 212+50.00		TO STA. 213+62.36		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FINAL SURVEY  
 SURVEYED \_\_\_\_\_ BY \_\_\_\_\_ DATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_

ORIGINAL SURVEY  
 SURVEYED \_\_\_\_\_ BY \_\_\_\_\_ DATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
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PLOT DATE = 10/22/2009  
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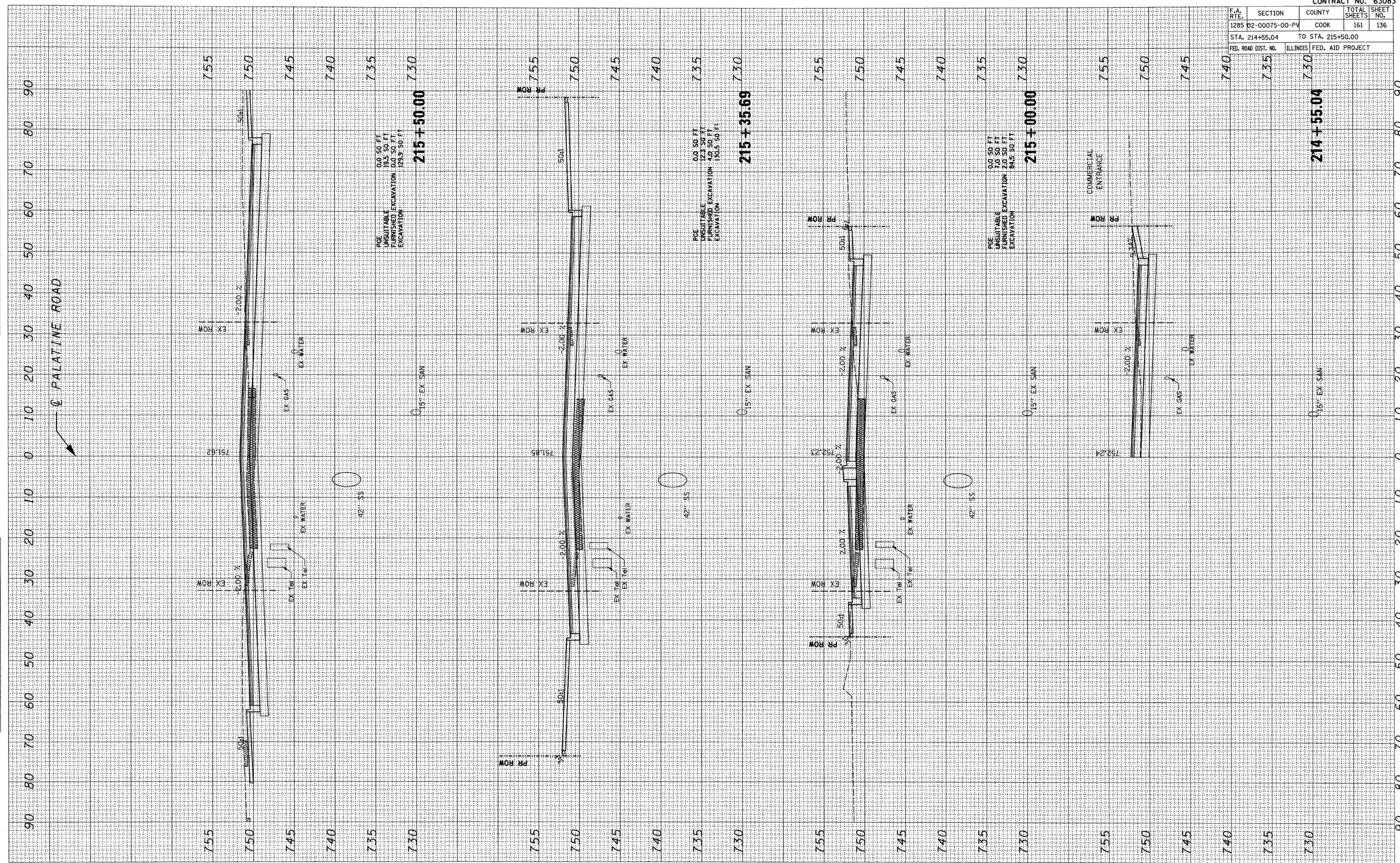
CONTRACT NO. 63083			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
1285	02-00075-00-PV	COOK	161
STA. 213+87.66		TO STA. 214+50.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



PLOT DATE = 10/22/2009  
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ORIGINAL SURVEY BY DATE  
 SURVEYED BY DATE  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

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



CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	136
STA. 214+55.04		TO STA. 215+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PALATINE ROAD

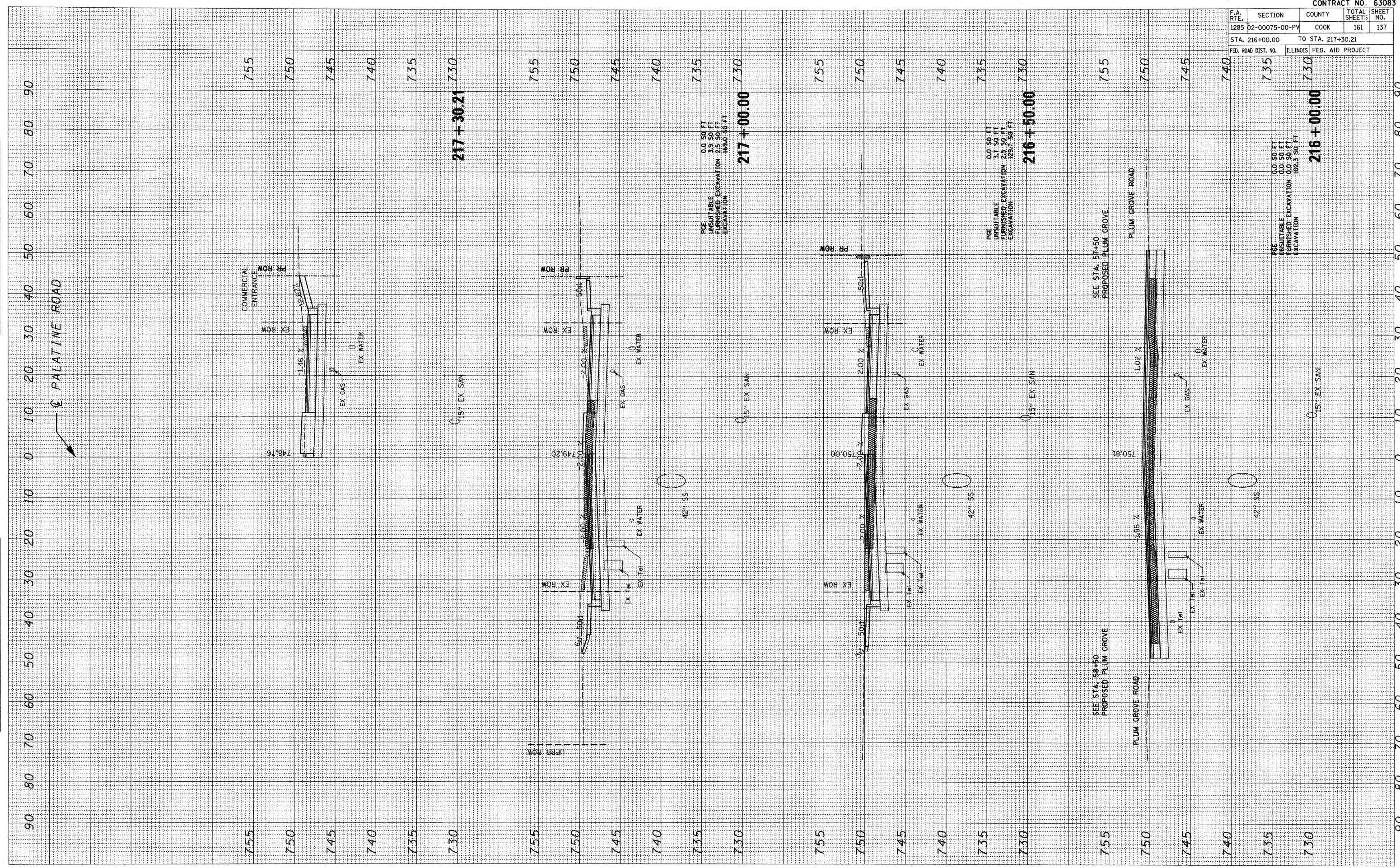
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FINAL SURVEY BY DATE  
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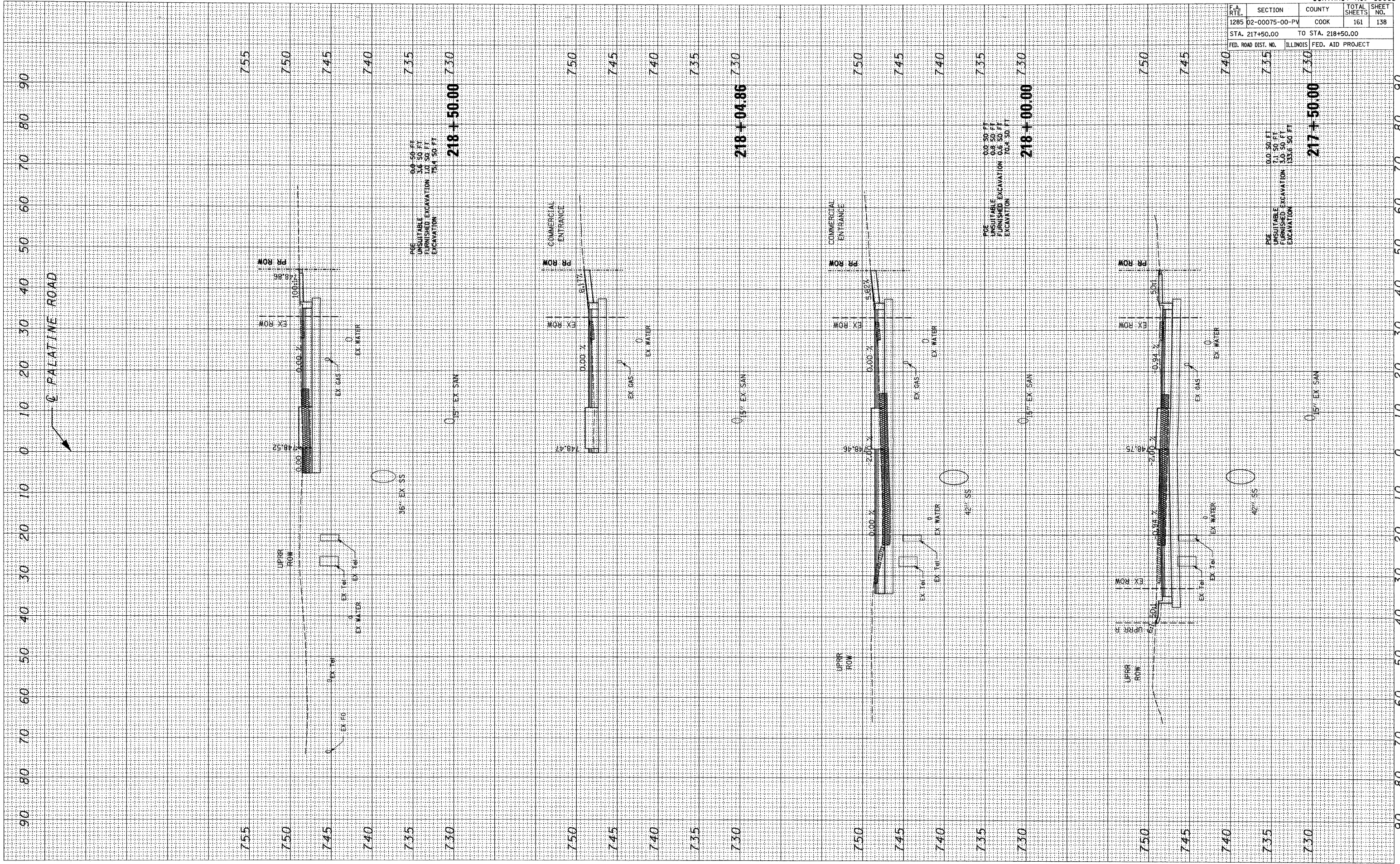
CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285 D2-00075-00-PV		COOK	161	137
STA. 216+00.00		TO STA. 217+30.21		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PLOT DATE = 10/22/2009  
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 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

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



CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285 02-00075-00-PV		COOK	161	138
STA. 217+50.00		TO STA. 218+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



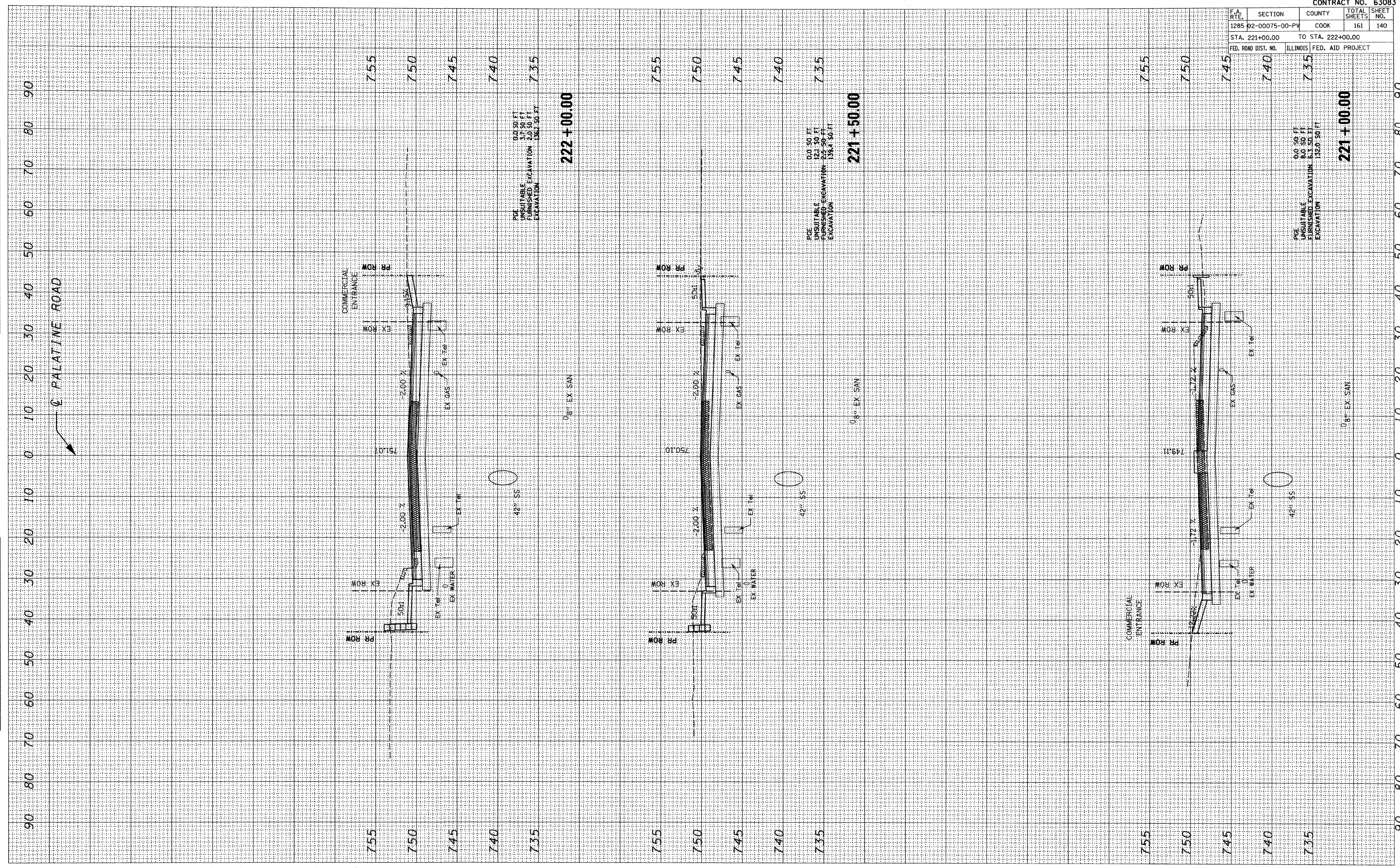




FINAL SURVEY BY DATE  
 SURVEYED BY  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

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

PLOT DATE = 12/22/2009  
 FILE NAME = FILEL\*  
 PLOT SCALE = SCALE\*  
 USER NAME = USER\*



F.A. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285 02-00075-00-PV		COOK	161	140	
STA. 221+00.00		TO STA. 222+00.00			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 63083  
 PPE UNSUITABLE 0.0 50 FT  
 FURNISHED EXCAVATION 8.0 50 FT  
 EXCAVATION 6.3 50 FT  
 136.2 50 FT  
**221+00.00**

PPE UNSUITABLE 0.0 50 FT  
 FURNISHED EXCAVATION 8.0 50 FT  
 EXCAVATION 6.3 50 FT  
 136.2 50 FT  
**222+00.00**

PPE UNSUITABLE 0.0 50 FT  
 FURNISHED EXCAVATION 8.0 50 FT  
 EXCAVATION 6.3 50 FT  
 136.2 50 FT  
**221+50.00**

PPE UNSUITABLE 0.0 50 FT  
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 EXCAVATION 6.3 50 FT  
 136.2 50 FT  
**221+00.00**

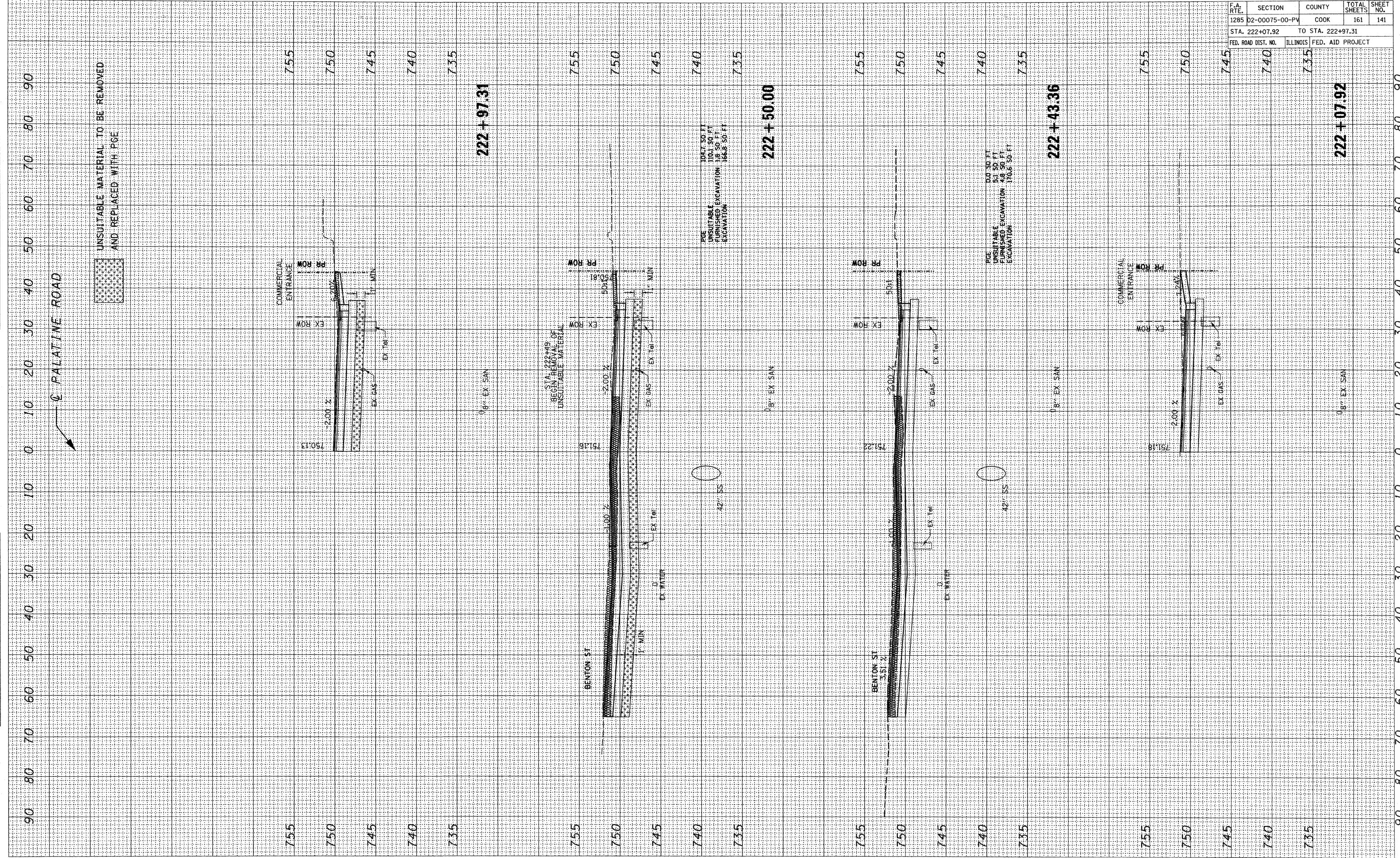
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 EXCAVATION 6.3 50 FT  
 136.2 50 FT  
**221+00.00**



PLOT DATE = 10/22/2009  
 FILE NAME = #FILE#  
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ORIGINAL SURVEY BY DATE  
 SURVEYED BY DATE  
 FILE NAME = #FILE#  
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FINAL SURVEY BY DATE  
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 PLOT SCALE = #SCALE#  
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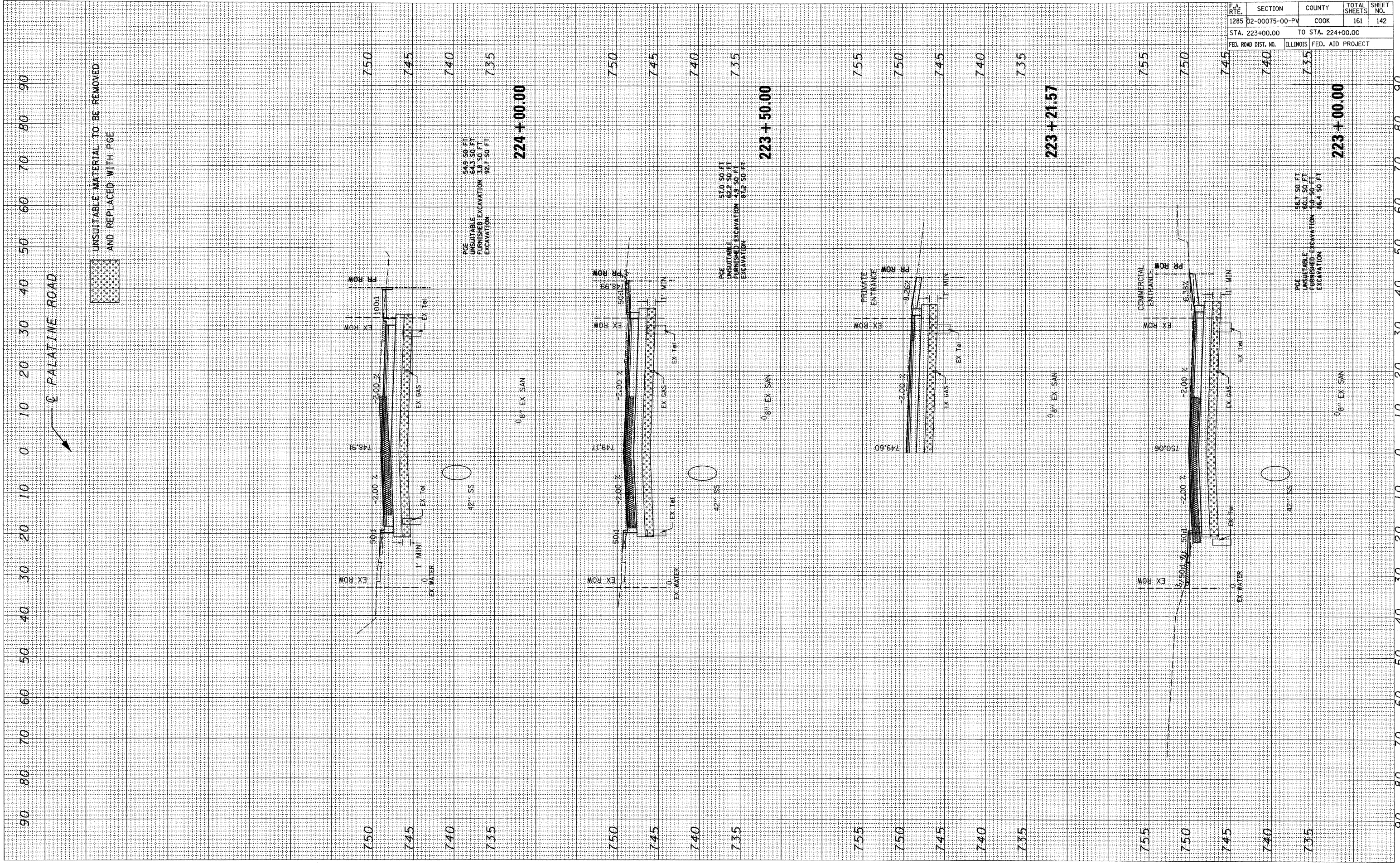
CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	D2-00075-00-PV	COOK	161	141
STA. 222+07.92		TO STA. 222+97.31		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



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

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



CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	D2-00075-00-PV	COOK	161	142
STA. 223+00.00		TO STA. 224+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PALATINE ROAD

481101.dgn 10/22/2009 7:48:49 AM

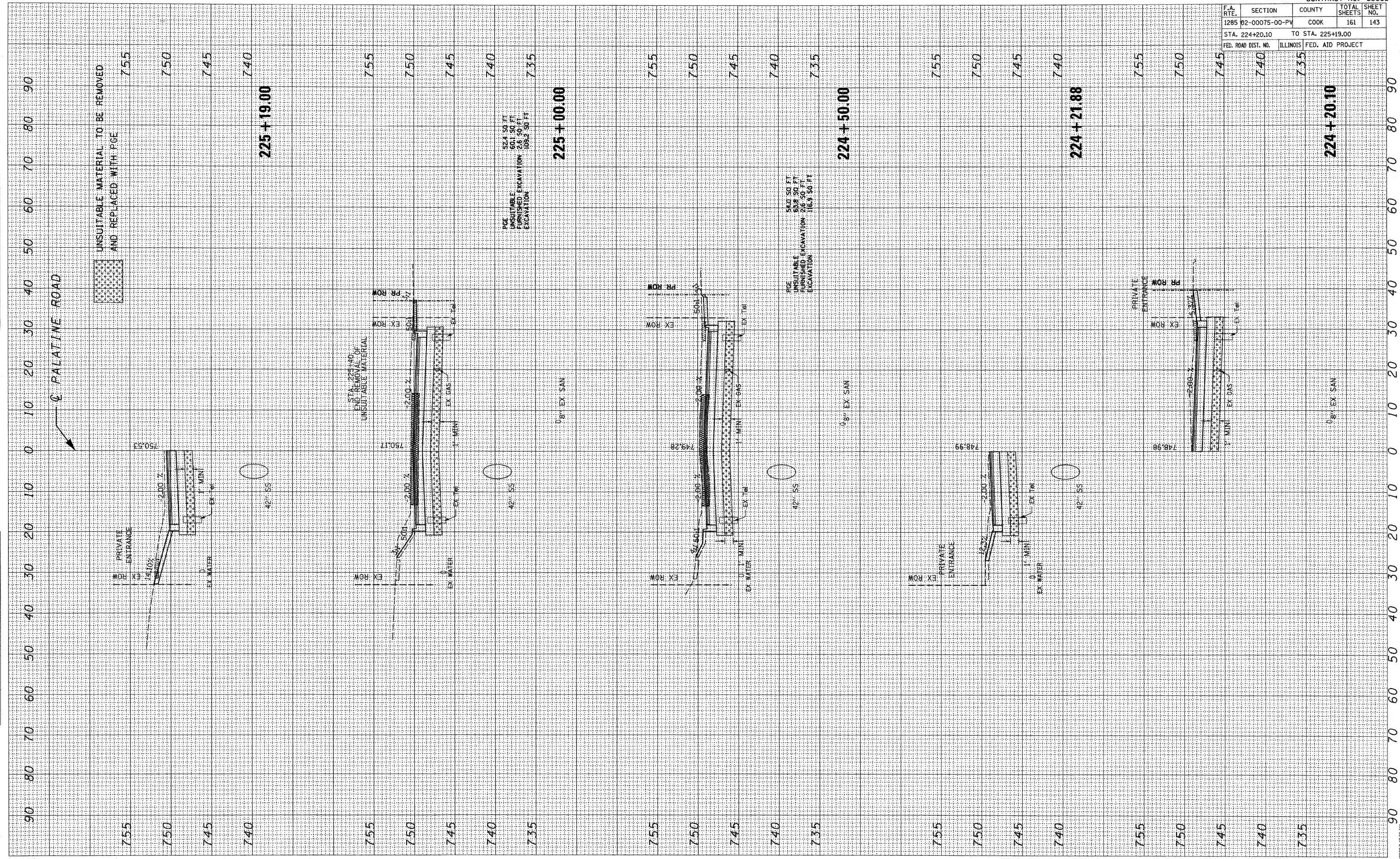


ORIGINAL SURVEY  
 SURVEYED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 PLOTTED BY: \_\_\_\_\_  
 NO. \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

FINAL SURVEY  
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 DATE: \_\_\_\_\_  
 PLOTTED BY: \_\_\_\_\_  
 NO. \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

PLOT DATE: 10/22/2009  
 FILE NAME: #FILE#  
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CONTRACT NO. 63083	
F.A. RTE.	SECTION
1285	02-00075-00-PV
COUNTY	COOK
TOTAL SHEETS	161
SHEET NO.	143
STA. 224+20.10 TO STA. 225+19.00	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

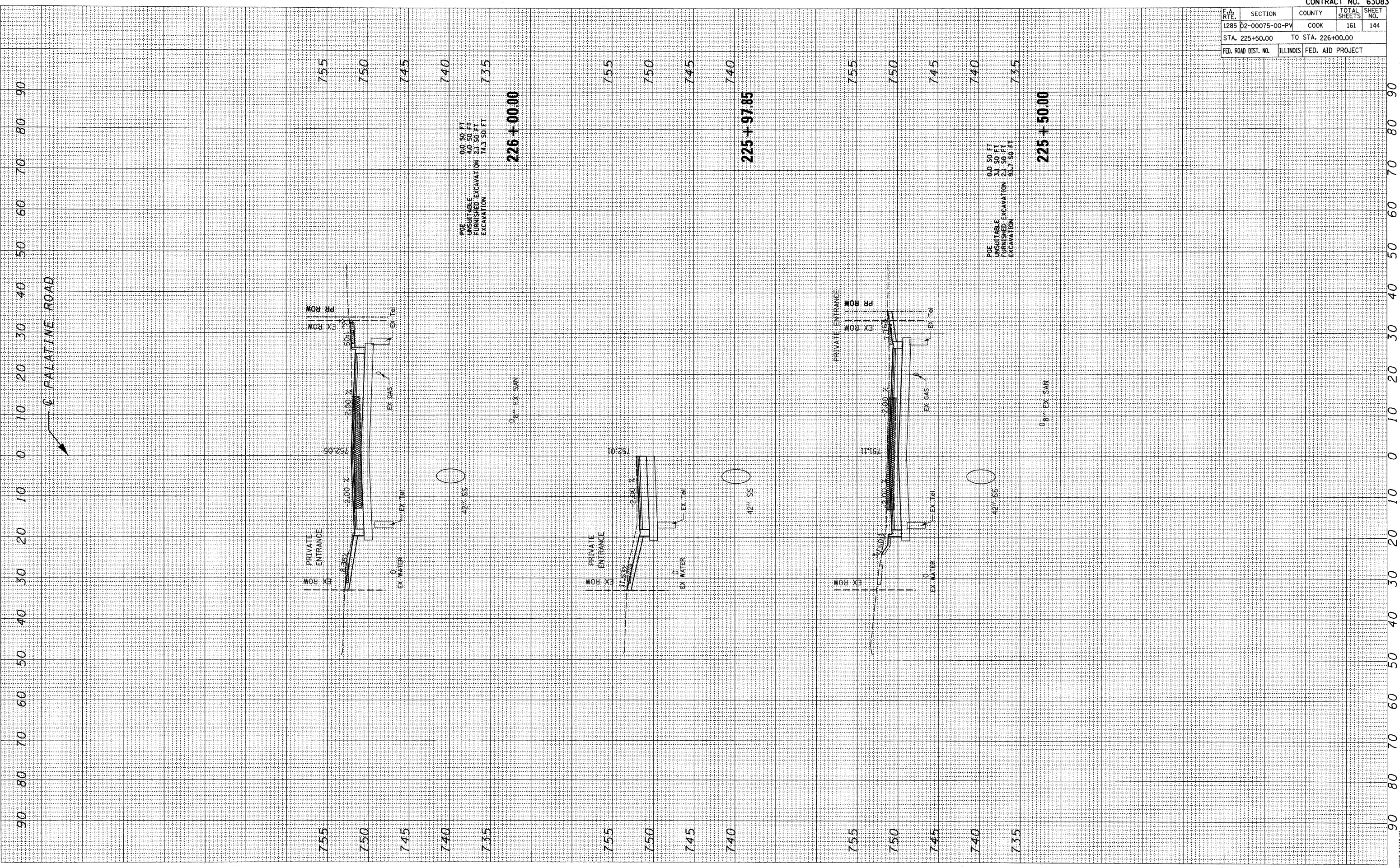




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ORIGINAL SURVEY BY DATE  
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 NOTE BOOK NO. BY DATE  
 TEMPLATE NO. BY DATE  
 AREAS CHECKED

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



CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	144
STA. 225+50.00		TO STA. 226+00.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

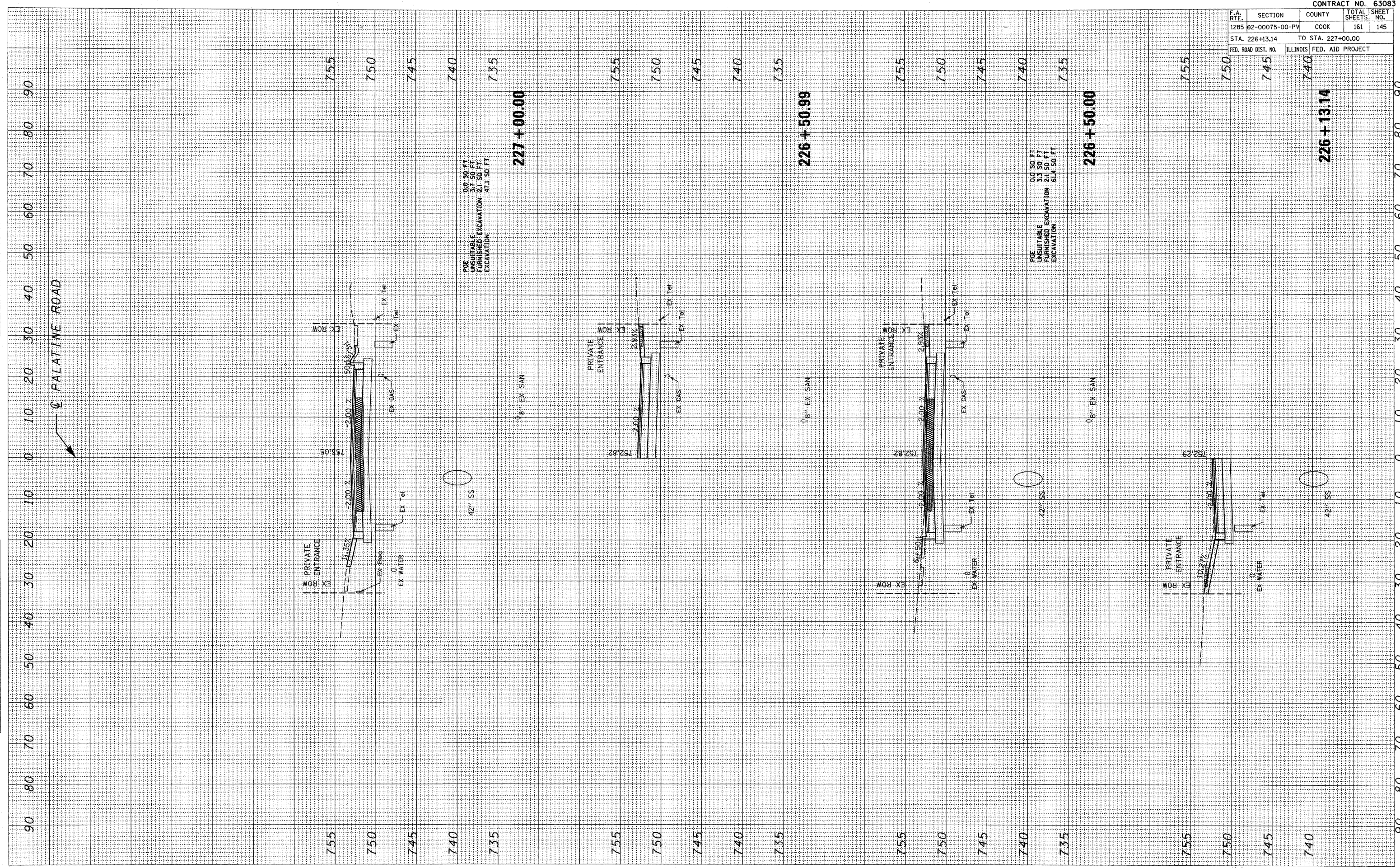


FINAL SURVEY BY DATE  
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 NOTE BOOK NO. DATE  
 TEMPLATE AREAS CHECKED

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

PLOT DATE = 10/22/2009  
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 PLOT SCALE = #SCALE#  
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CONTRACT NO. 63083	
F.A. RTE.	SECTION
1285	02-00075-00-PV
COUNTY	COOK
TOTAL SHEETS	161
SHEET NO.	145
STA. 226+13.14 TO STA. 227+00.00	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

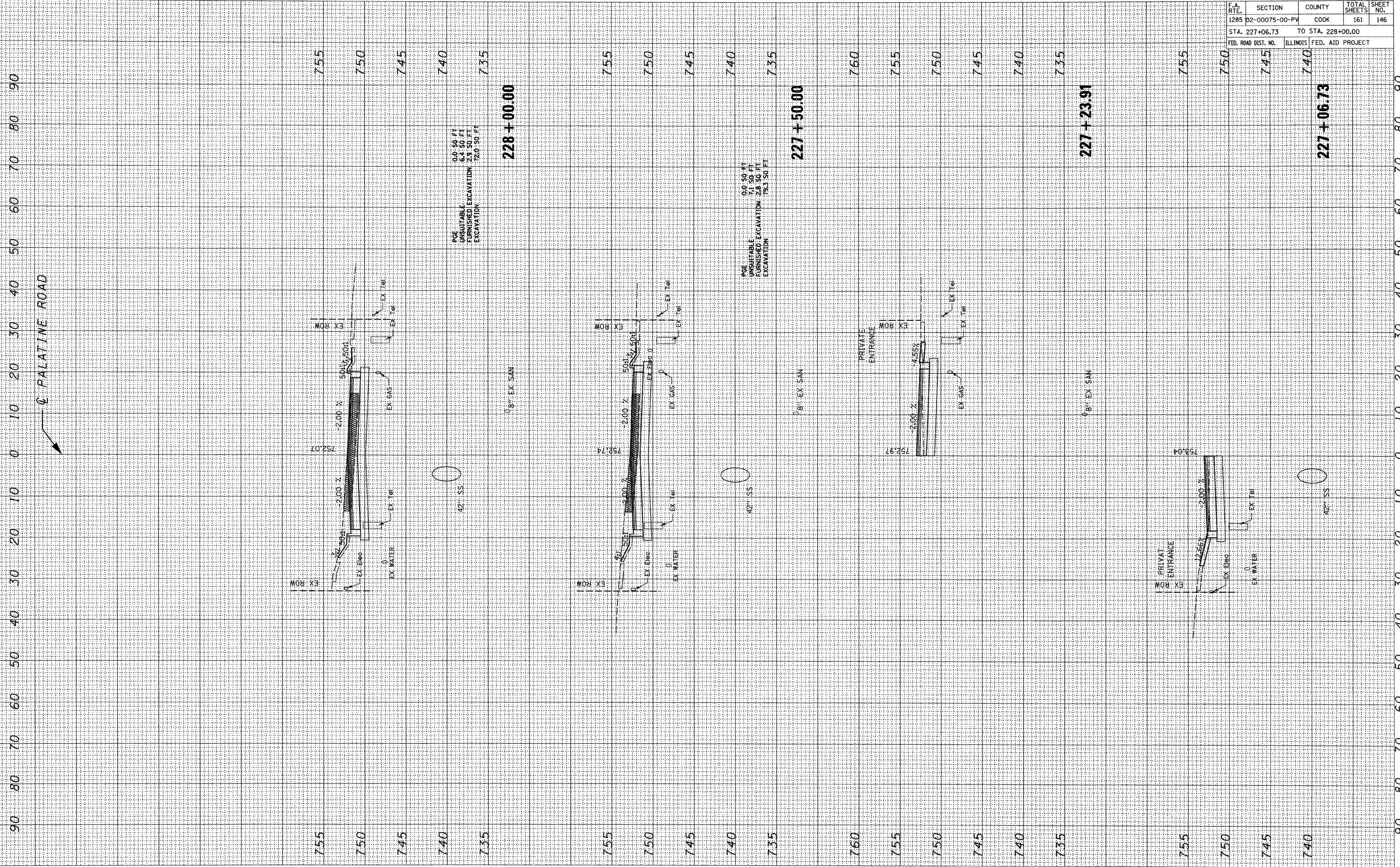




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 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

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



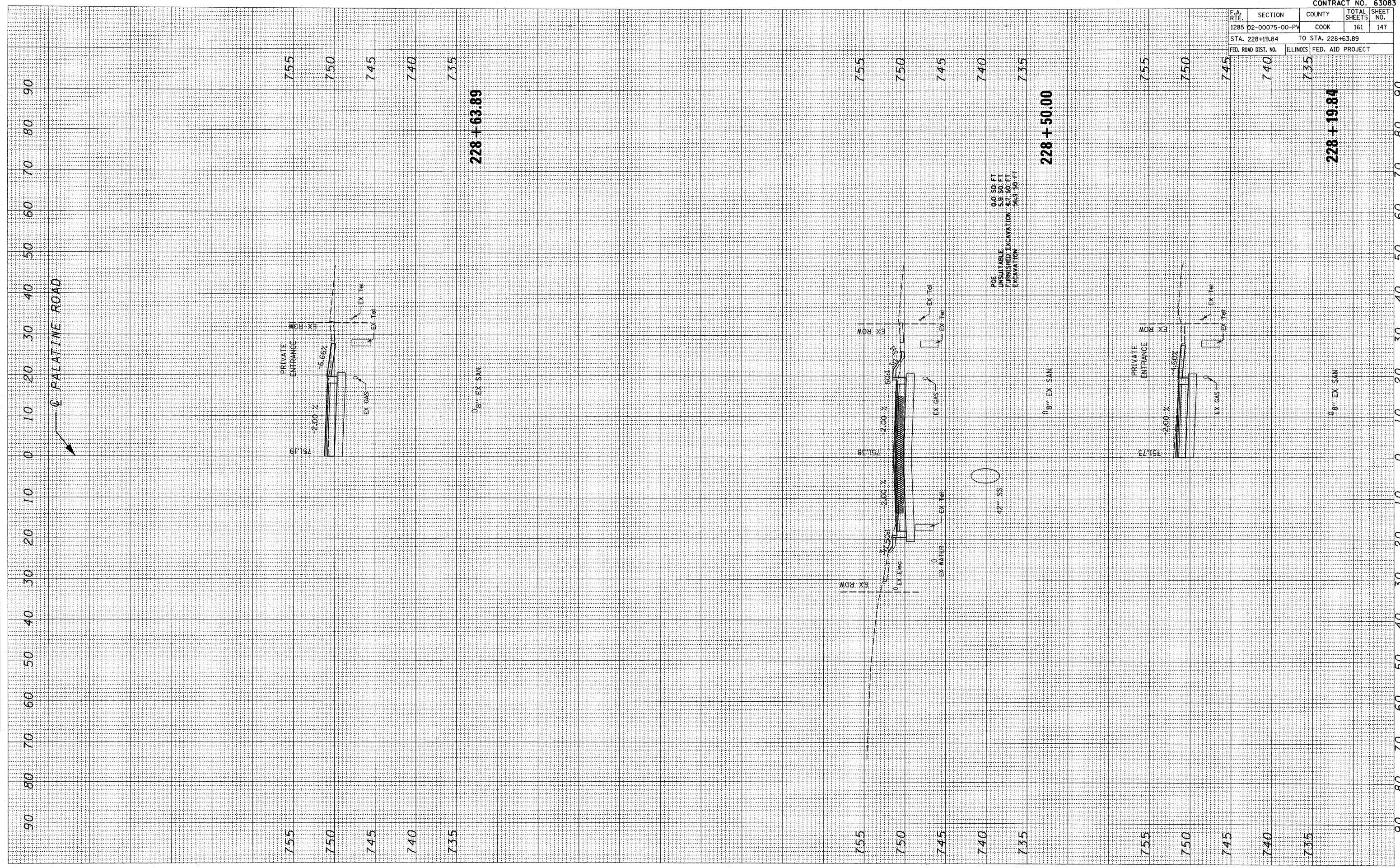
CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	D2-00075-00-PV	COOK	161	146
STA. 227+06.73		TO STA. 228+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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



**228 + 63.89**

**228 + 50.00**

**228 + 19.84**

42" SS

PGE UNSUITABLE  
 FURNISHED EXCAVATION  
 0.0 50.0 FT  
 5.9 50.0 FT  
 4.7 50.0 FT  
 56.9 50.0 FT

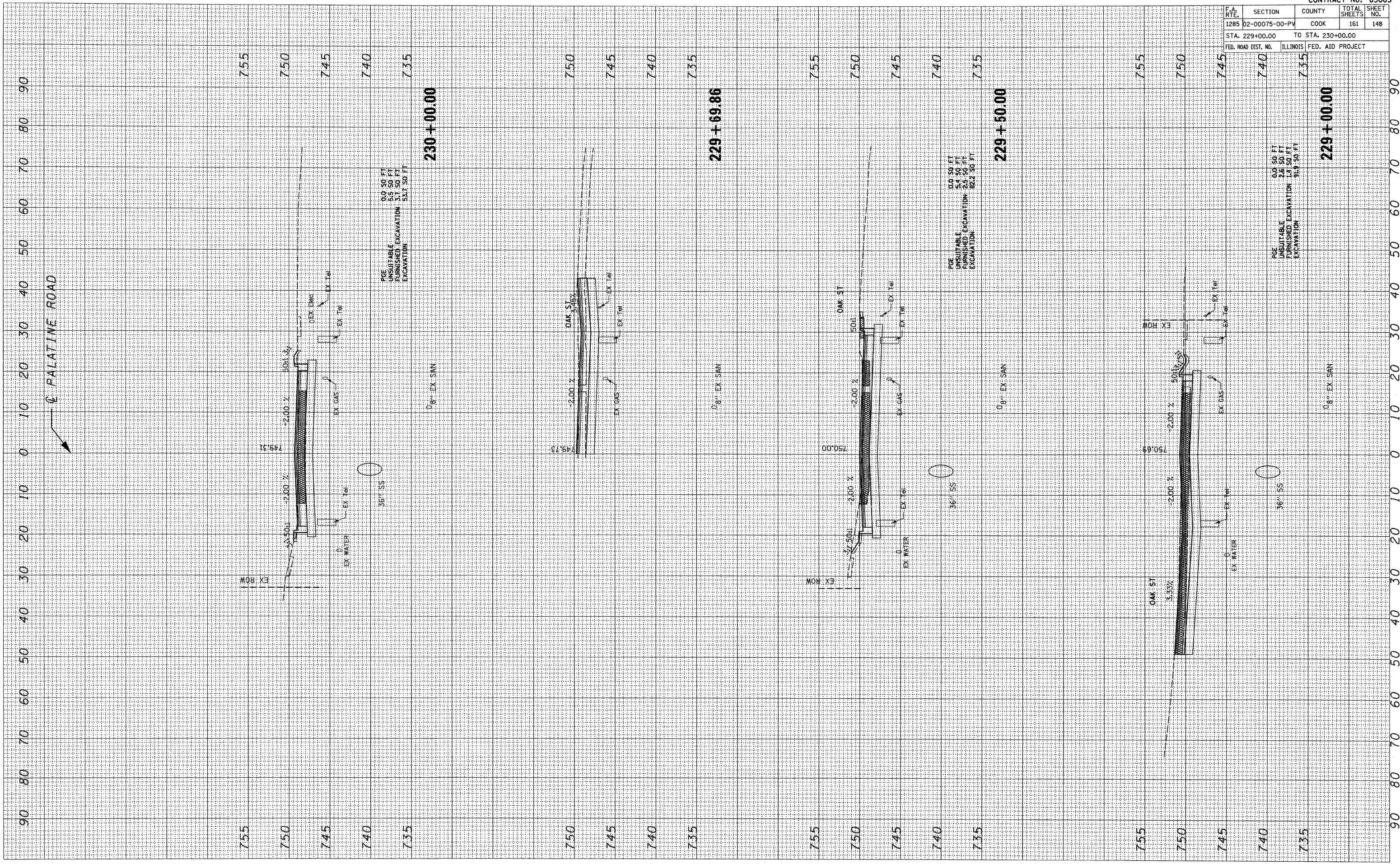
CONTRACT NO. 63083			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
1285	02-00075-00-PV	COOK	161
STA. 228+19.84		TO STA. 228+63.89	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



PLOT DATE = 10/22/2009  
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ORIGINAL SURVEY BY DATE  
 SURVEYED BY DATE  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

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



PALATINE ROAD

CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	148
STA. 229+00.00		TO STA. 230+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PQE UNSUITABLE  
 UNFURNISHED EXCAVATION  
 EXCAVATION  
 0.0 50 FT  
 5.4 50 FT  
 5.5 50 FT  
 82.2 50 FT

PQE UNSUITABLE  
 UNFURNISHED EXCAVATION  
 EXCAVATION  
 0.0 50 FT  
 2.8 50 FT  
 9.9 50 FT

PQE UNSUITABLE  
 UNFURNISHED EXCAVATION  
 EXCAVATION  
 0.0 50 FT  
 6.5 50 FT  
 5.7 50 FT  
 53.7 50 FT

PQE UNSUITABLE  
 UNFURNISHED EXCAVATION  
 EXCAVATION  
 0.0 50 FT  
 5.4 50 FT  
 5.5 50 FT  
 82.2 50 FT

PQE UNSUITABLE  
 UNFURNISHED EXCAVATION  
 EXCAVATION  
 0.0 50 FT  
 2.8 50 FT  
 9.9 50 FT

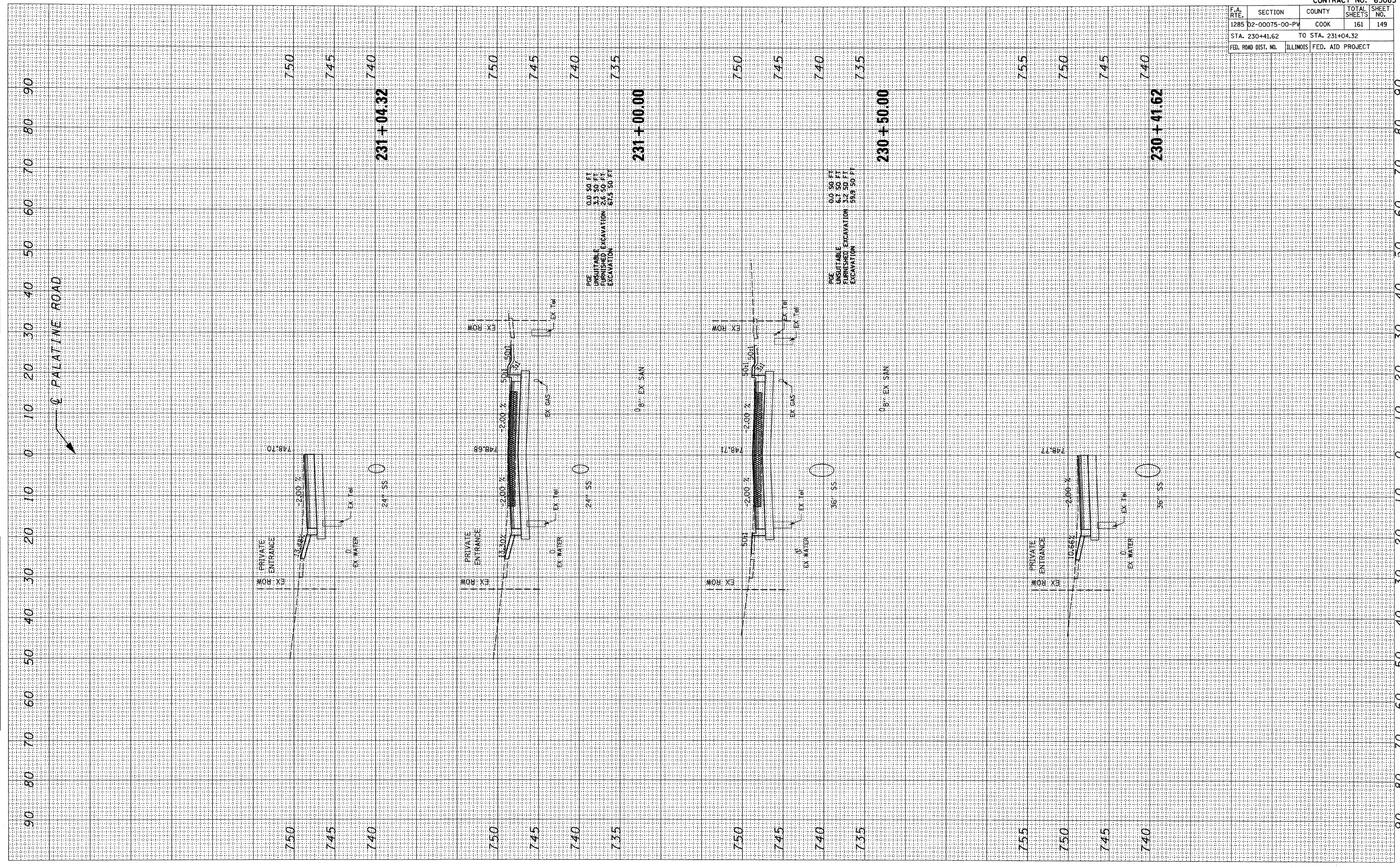


FINAL SURVEY BY DATE  
 SURVEYED BY DATE  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

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

PLOT DATE = 10/22/2009  
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CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	D2-00075-00-PV	COOK	161	149
STA. 230+41.62		TO STA. 231+04.32		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PALATINE ROAD

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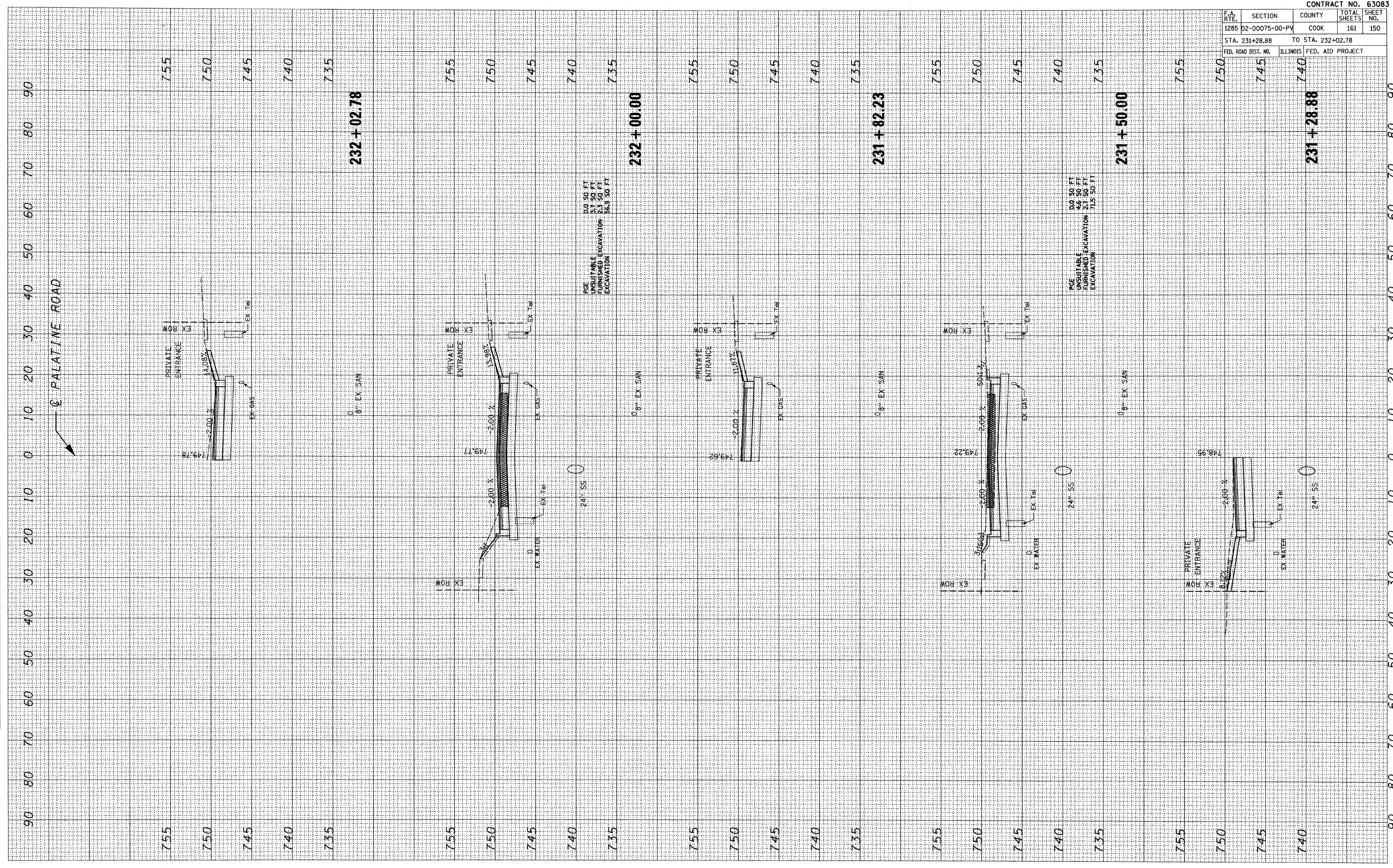


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ORIGINAL SURVEY BY DATE  
 SURVEYED BY  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

PLOT DATE = 10/22/2009  
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CONTRACT NO. 63083			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
1285	D2-00075-00-PV	COOK	161
STA. 231+28.88		TO STA. 232+02.78	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



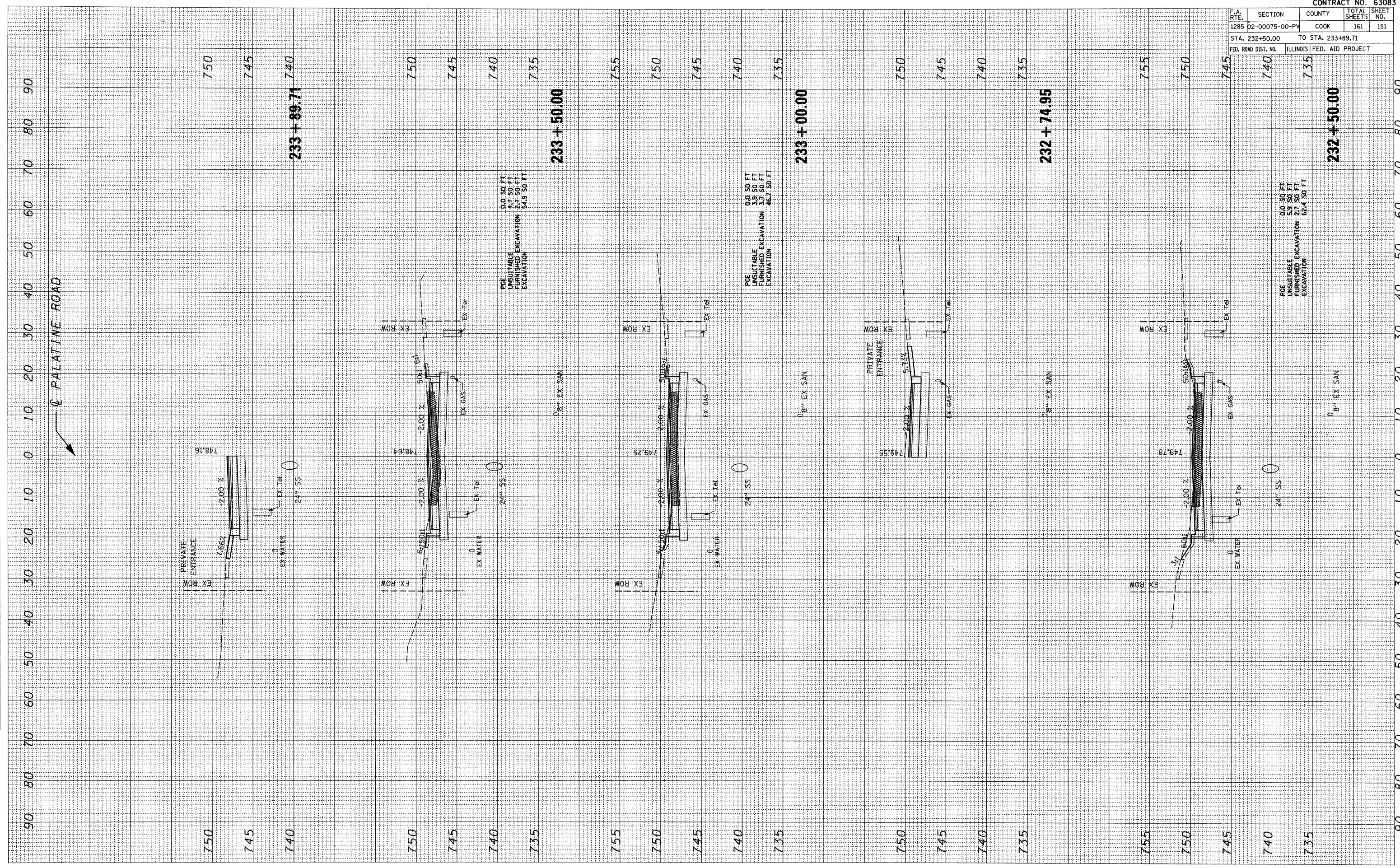


FINAL SURVEY BY DATE  
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ORIGINAL SURVEY BY DATE  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

PLOT DATE = 10/22/2009  
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 PLOT SCALE = #SCALE#  
 USER NAME = #USER#

CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285 D2-00075-00-PV		COOK	161	151
STA. 232+50.00		TO STA. 233+89.71		
ILLINOIS FED. AID PROJECT				



POE UNSUITABLE EXCAVATION 0.0 50 FT  
 FURNISHED EXCAVATION 4.7 50 FT  
 EXCAVATION 2.7 50 FT  
 SALE 50 FT  
**233 + 50.00**

POE UNSUITABLE EXCAVATION 0.0 50 FT  
 FURNISHED EXCAVATION 3.9 50 FT  
 EXCAVATION 2.6 50 FT  
**233 + 00.00**

POE UNSUITABLE EXCAVATION 0.0 50 FT  
 FURNISHED EXCAVATION 5.9 50 FT  
 EXCAVATION 2.7 50 FT  
 SALE 50 FT  
**232 + 50.00**

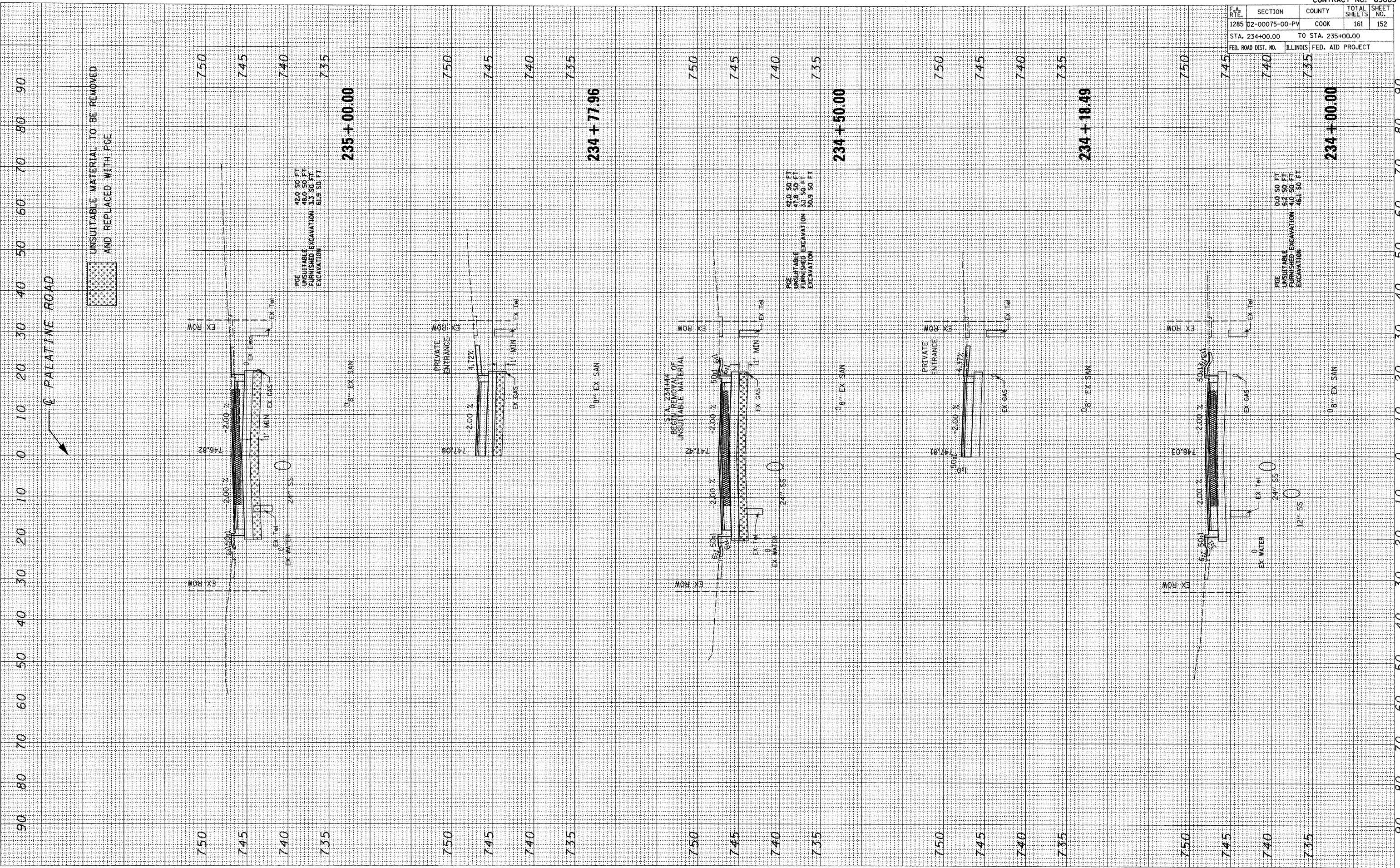


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ORIGINAL SURVEY BY DATE  
 NOTE BOOK NO. TEMPLATE AREAS CHECKED

FINAL SURVEY BY DATE  
 NOTE BOOK NO. TEMPLATE AREAS CHECKED

CONTRACT NO. 63083  
 SECTION COUNTY TOTAL SHEETS  
 1285 02-00075-00-PV COOK 161 152  
 STA. 234+00.00 TO STA. 235+00.00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



PALATINE ROAD

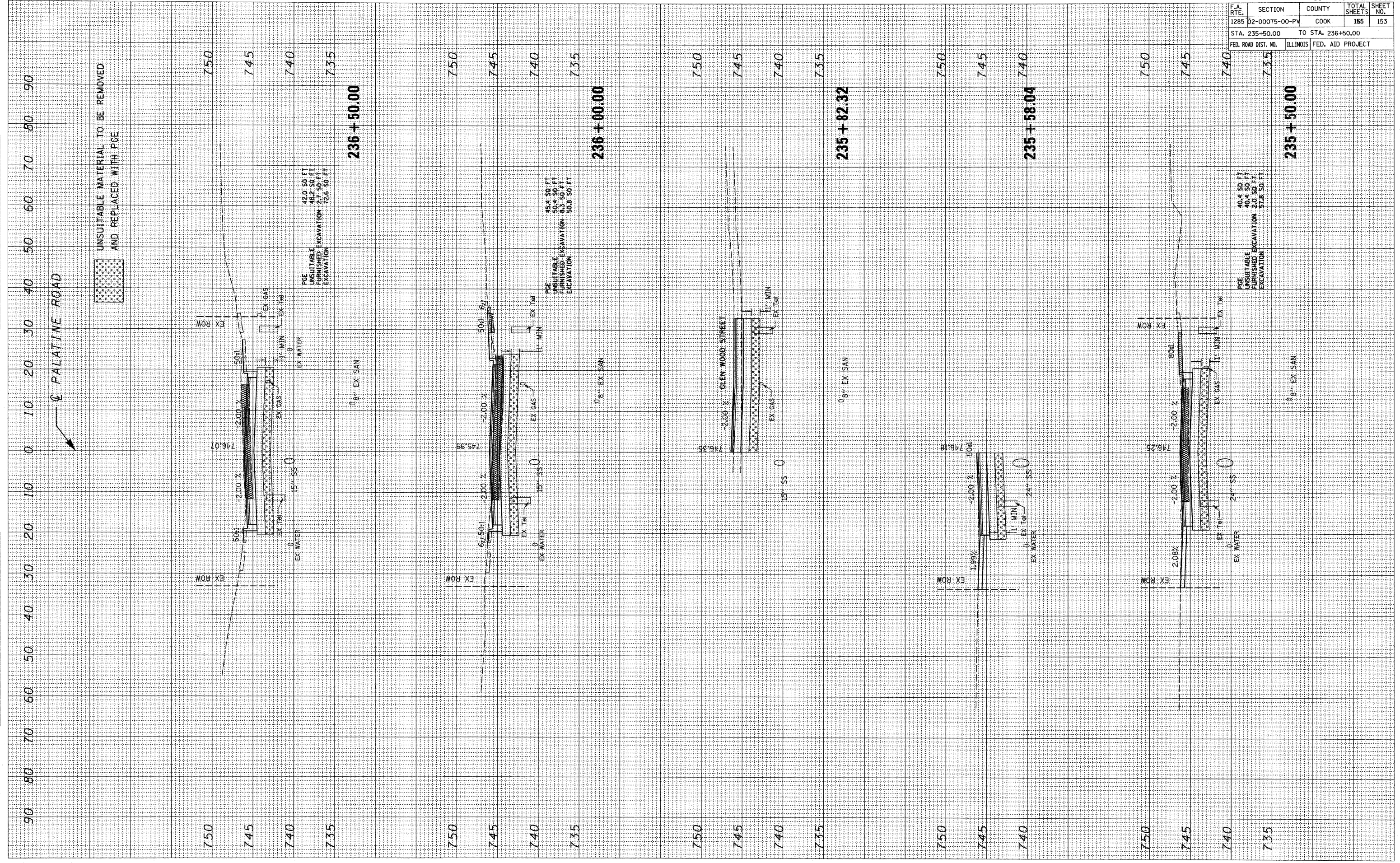
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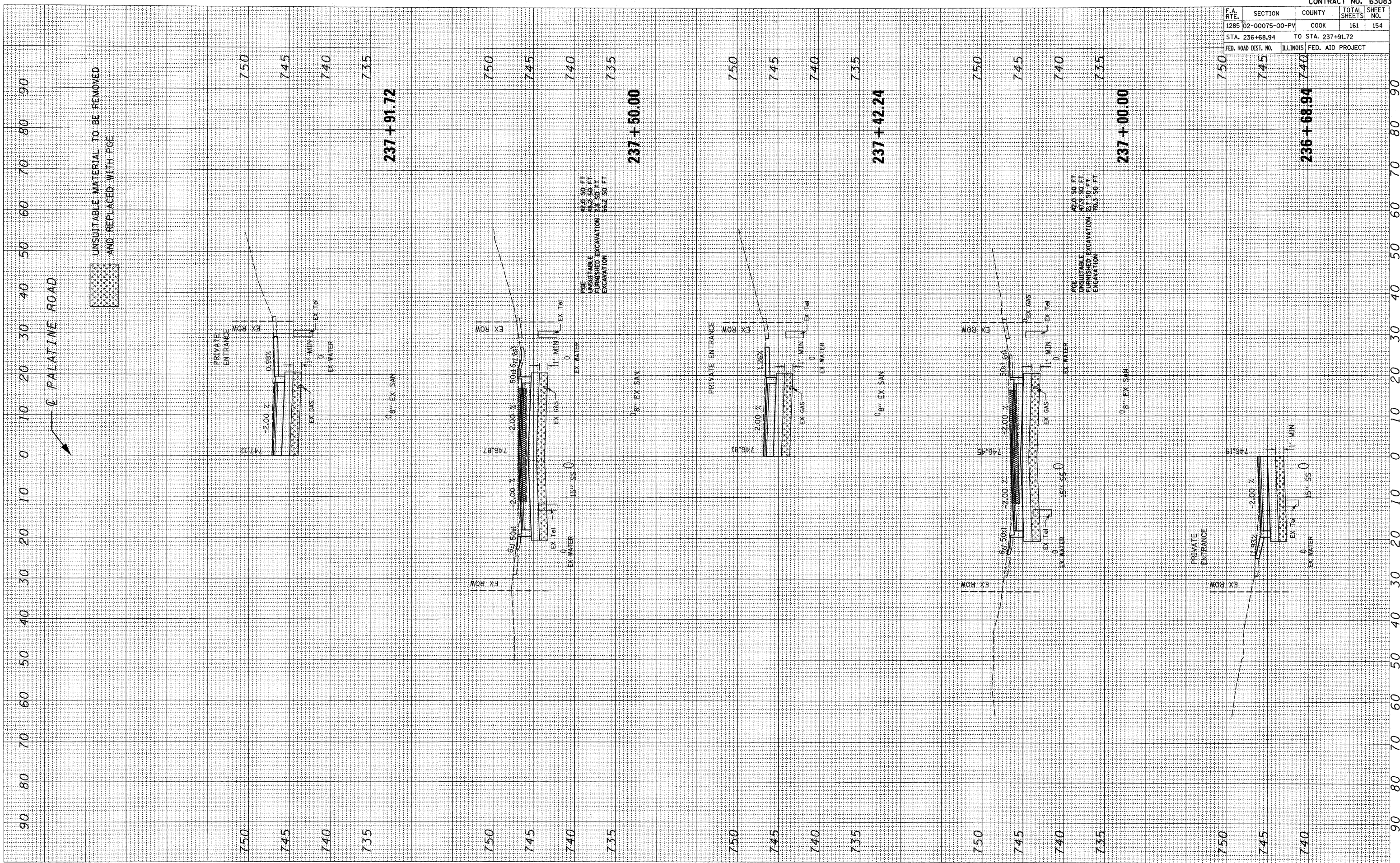
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 SURVEYED BY DATE  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

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



CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	D2-00075-00-PV	COOK	155	153
STA. 235+50.00		TO STA. 236+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		









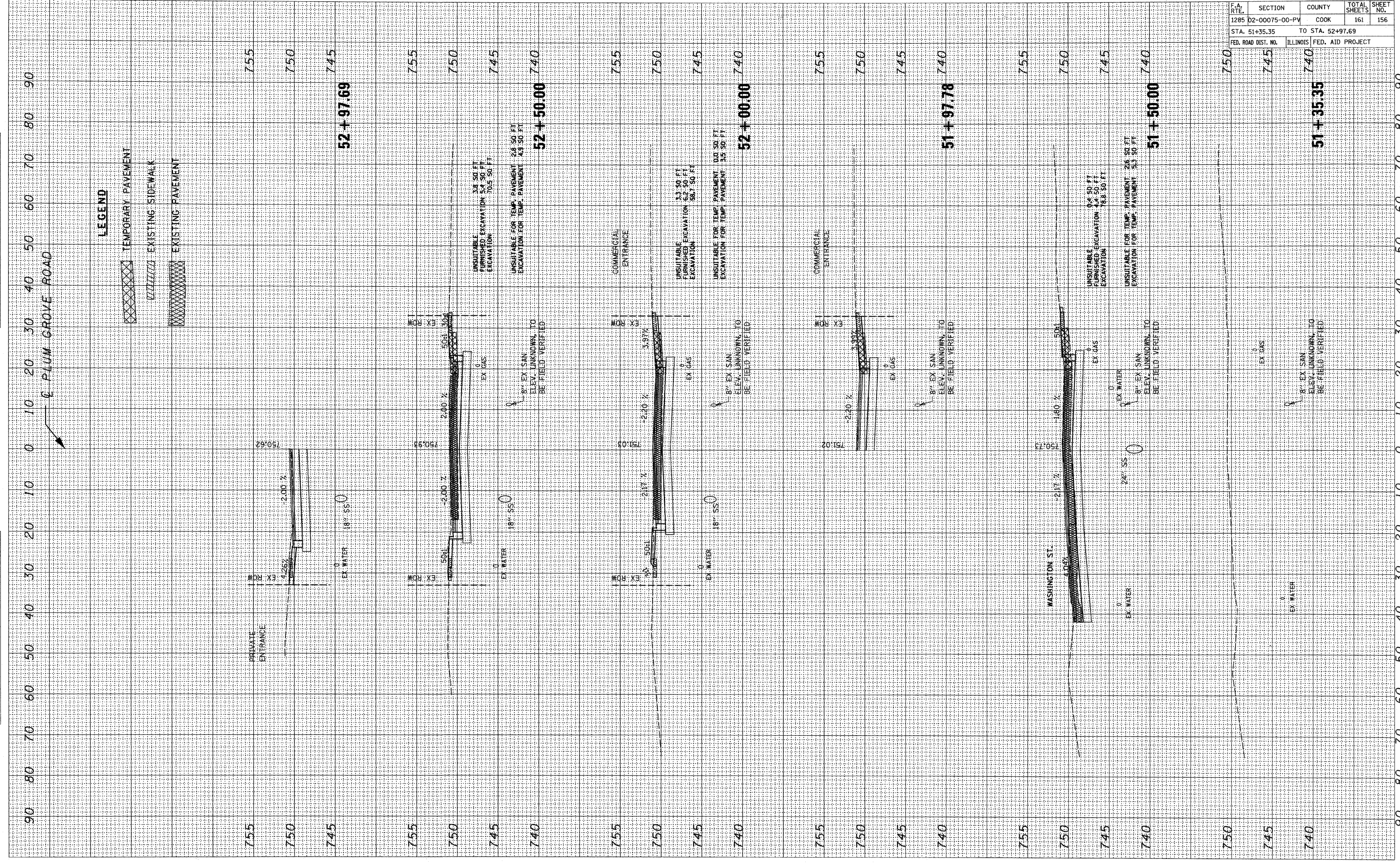


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	D2-00075-00-PV	COOK	161	156
STA. 51+35.35		TO STA. 52+97.69		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

FINAL SURVEY	BY	DATE
NO. _____		
NO. _____		
NO. _____		

ORIGINAL SURVEY	BY	DATE
NO. _____		
NO. _____		
NO. _____		

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LEGEND

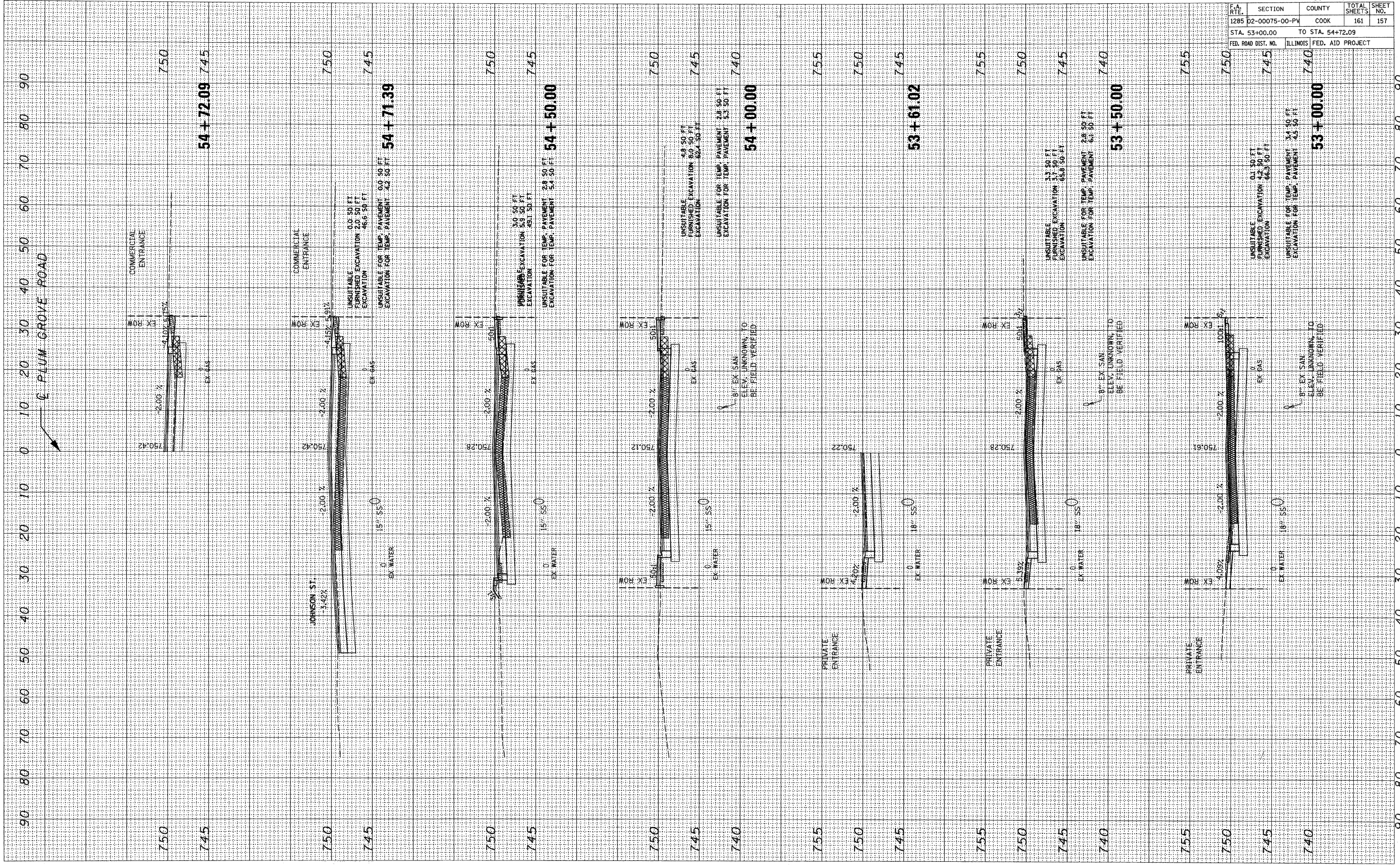
- TEMPORARY PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT



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ORIGINAL SURVEY BY DATE  
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 TEMPLATE AREAS CHECKED

FINAL SURVEY BY DATE  
 SURVEYED BY DATE  
 NOTE BOOK NO.  
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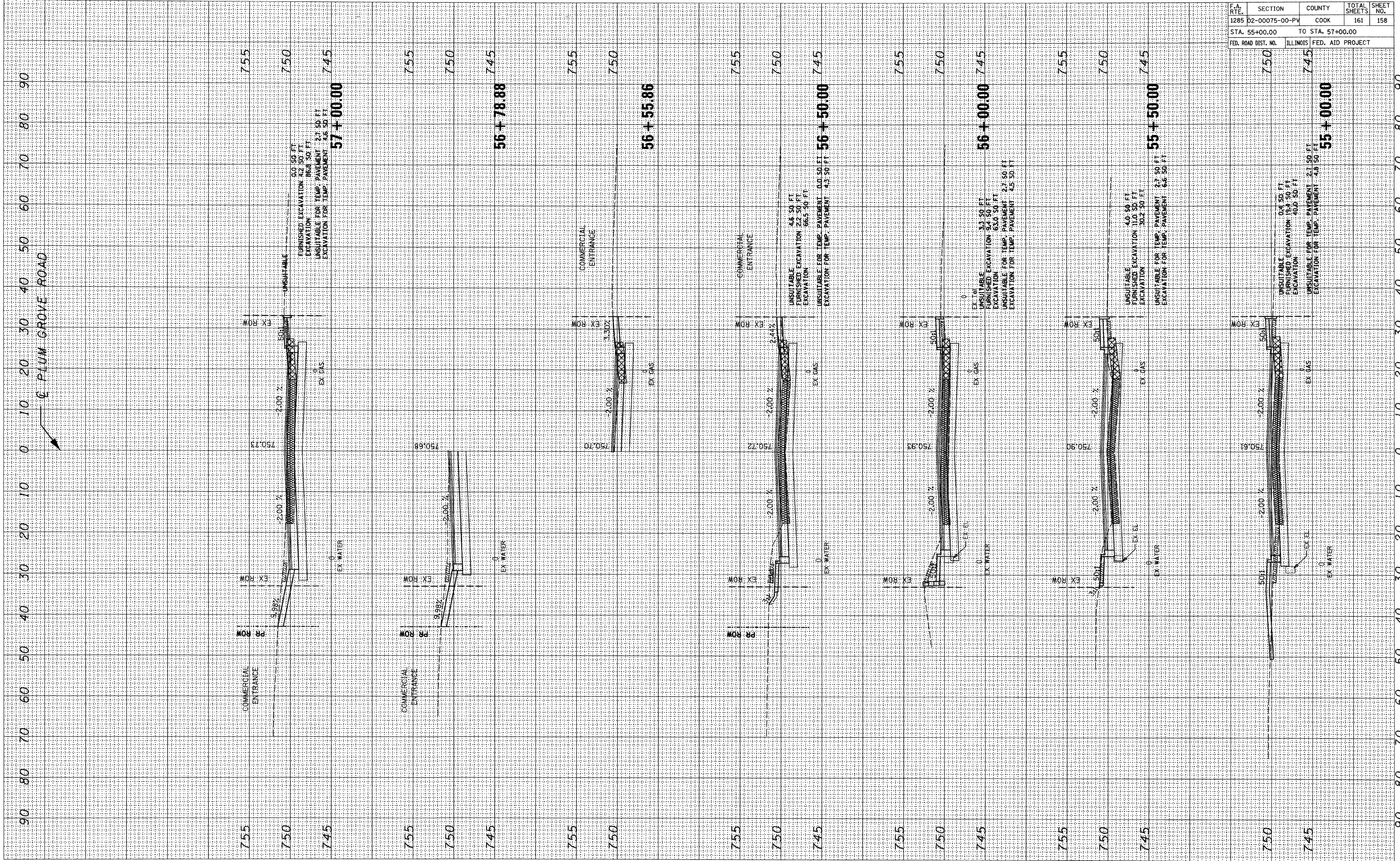
PLUM GROVE ROAD

CONTRACT NO. 63083

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	157
STA. 53+00.00 TO STA. 54+72.09		ILLINOIS FED. AID PROJECT		

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F.A. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285		02-00075-00-PV	COOK	161	158
STA. 55+00.00		TO STA. 57+00.00			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		



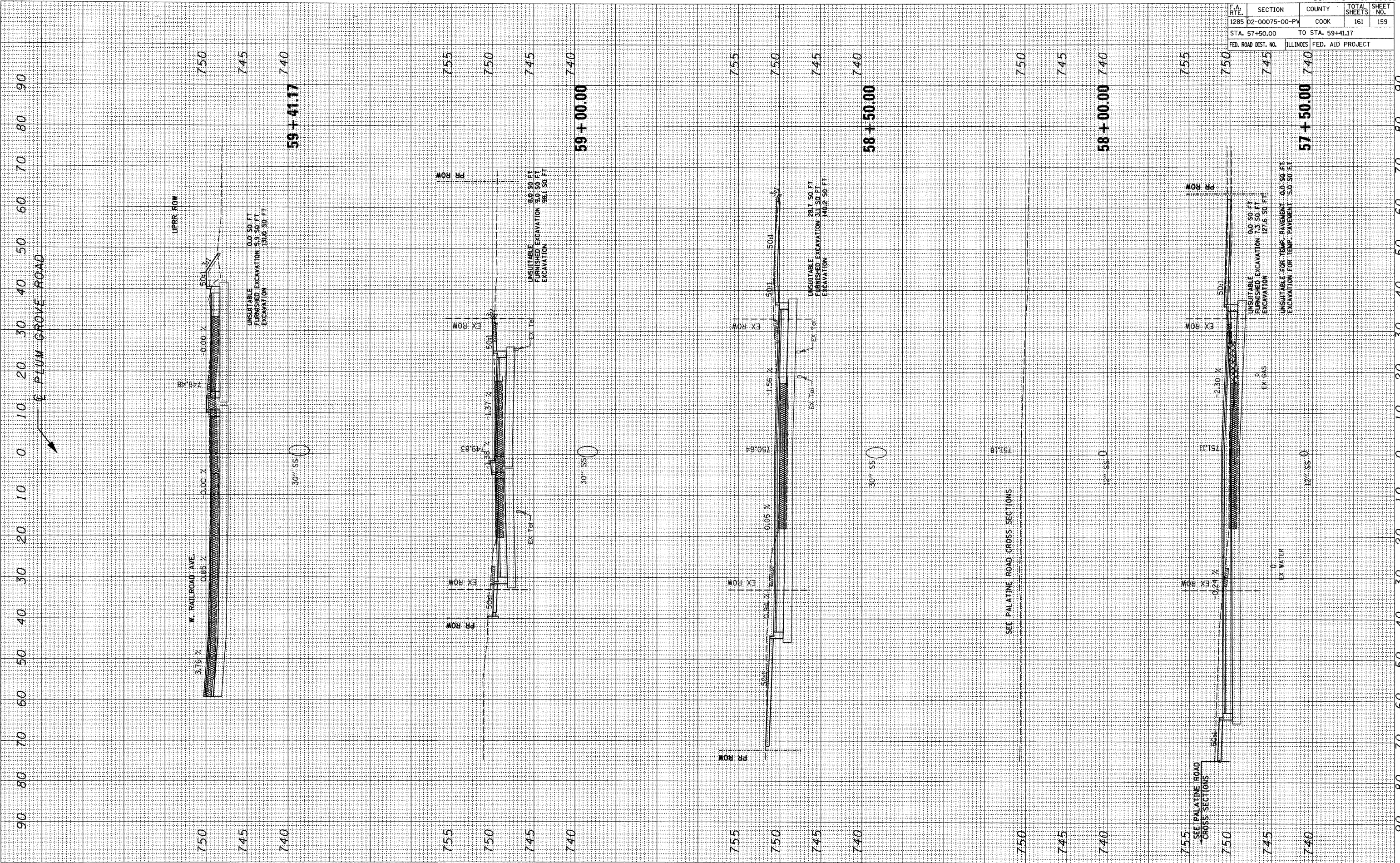
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ORIGINAL SURVEY BY DATE  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

FINAL SURVEY BY DATE  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

CONTRACT NO. 63083

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	D2-00075-00-PV	COOK	161	159
STA. 57+50.00		TO STA. 59+41.17		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLUM GROVE ROAD

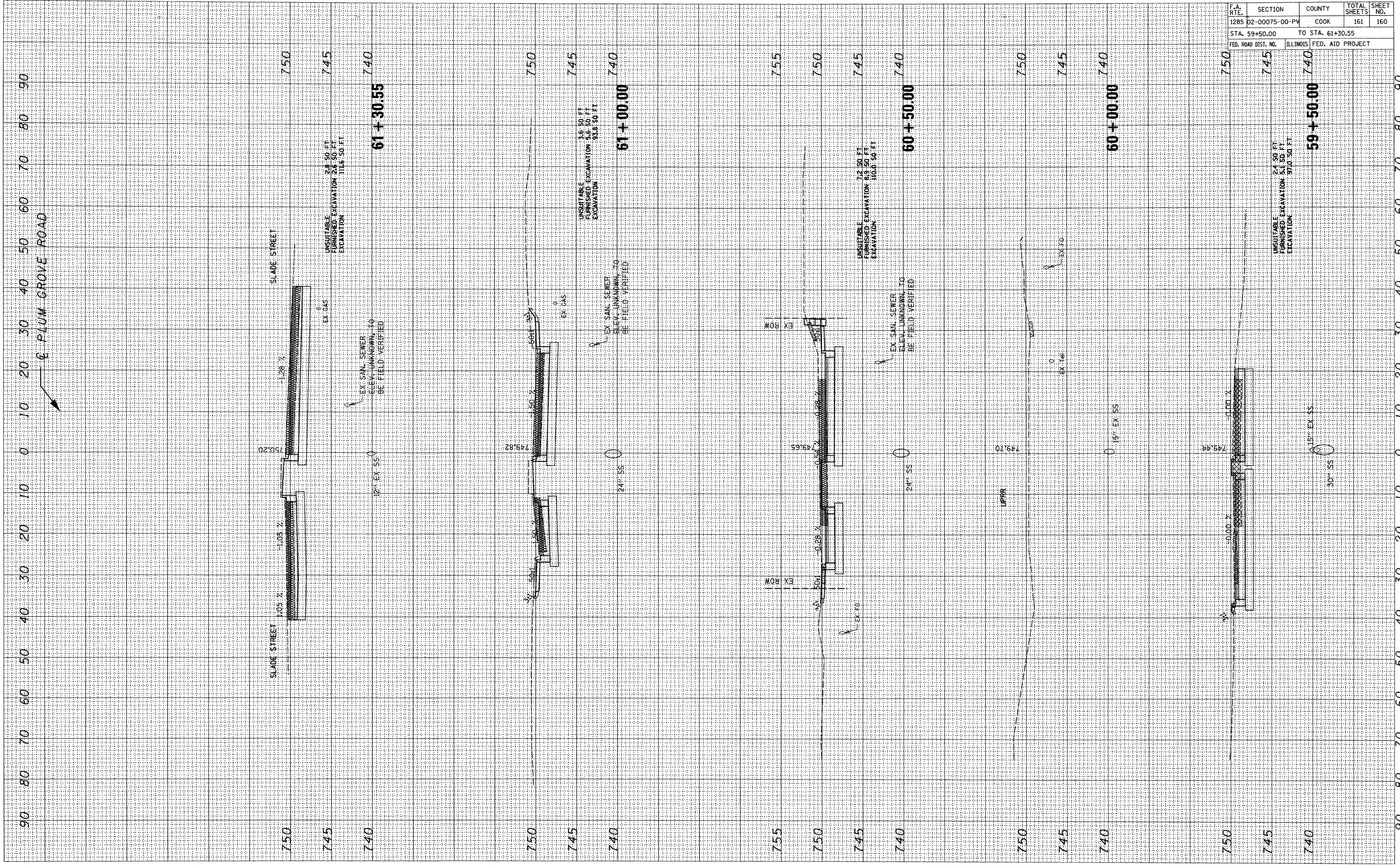
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ORIGINAL SURVEY BY DATE  
 NOTE BOOK NO. TEMPLATE AREAS CHECKED

FINAL SURVEY BY DATE  
 NOTE BOOK NO. TEMPLATE AREAS CHECKED



CONTRACT NO. 63083				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	D2-00075-00-PV	COOK	161	160
STA. 59+50.00		TO STA. 61+30.55		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	161
STA. 61+50.00		TO STA. 61+80.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
NO.		

PLOT DATE = 10/22/2009  
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