INDEX OF SHEETS

- LEGEND, SUMMARY OF QUANTITIES AND GENERAL NOTES
- TYPICAL SECTIONS
- PLAN SHEETS
- PAVEMENT MARKING PLAN
- STANDARDS AND DETAILS
- PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

HIGHWAY STANDARDS

000001-04 STANDARD SYMBOLS ABBRIAVIATIONS AND PATERNS

424001-04 CURB RAMPS FOR SIDEWALKS

442201-02 CLASS C AND D PATCHES

606001-03 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

701501-03 URBAN LANE CLOSURE 2L, 2W UNDIVIDED

701701-04 URBAN LANE CLOSURE MULTILANE INTERSECTION 701801-03 LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK

OR SIDEWALK CLOSURE

702001-06 TRAFFIC CONTROL DEVICES 780001-01 TYPICAL PAVEMENT MARKINGS

B.L.R. 17-3 TRAFFIC CONTROL DEVICES DAY LABOR CONSTRUCTION

B.L.R. 22-4 TRAFFIC CONTROL DEVICES

CONSTRUCTION ON RURAL OR LOCAL HIGHWAYS

602301-01 INLET TYPE A

604001-02 FRAME AND LIDS TYPE 1

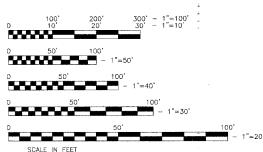
TRAFFIC DATA KEYSTONE AVENUE ADT = 2318

DESIGN DESIGNATION: LOCAL STREET

AUGUSTA STREET

DESIGN DESIGNATION: LOCAL STREET

POSTED SPEED 25 M.P.H.



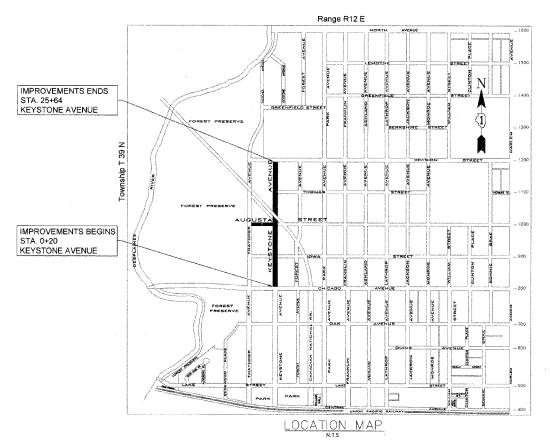
WARNING

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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED **FEDERAL AID HIGHWAY**

KEYSTONE AVENUE FROM CHICAGO AVENUE TO DIVISION STREET **AUGUSTA STREET** FROM THATCHER AVENUE TO KEYSTONE AVENUE

> **SECTION NO. 07-00087-00-RS PROJECT NO. HPP-4065(002)** JOB NO. C-91-158-07 **VILLAGE OF RIVER FOREST, COOK COUNTY**

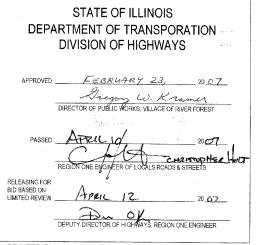


LENGTH OF IMPROVEMENTS GROSS PROJECT LENGTH (KEYSTONE AVENUE) = 2544 FEET = 0.48 MILES
NET PROJECT LENGTH (KEYSTONE AVENUE) = 2520 FEET
GROSS AND NET PROJECT LENGTH (AUGUSTA STREET) = 500 FEET = 0.095 MILES



CONTRACT NO. 83915





PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS



GREGORY W. KRAMER

ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-040597 EXPIRATION DATE: 11/30/07

> VILLAGE OF RIVER FOREST ENGINEERING DEPARTMENT 400 PARK AVE. RIVER FOREST, IL 60305 (630) 366-8500 FAX (630) 366-3702

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CODE NO	ITEM	UNIT	TOTAL QUANTITY
20800150	TRENCH BACKFILL	CU YD	1.5
21101610	TOPSOIL FURNISH AND PLACE, 3"	SQ YD	65
25200110	SODDING, SALT TOLERANT	SQ YD	65
25200200	SUPPLEMENTAL WATERING	UNIT	14
31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	28
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	960
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	822
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	300
42400800	DETECTABLE WARNINGS	SQ FT	24
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	9530
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	145
44000600	SIDEWALK REMOVAL	SQ FT	300
550A0030	STORM SEWERS, CLASS A, TYPE 1 8"	FOOT	3
60234500	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID (24" DEPTH)	EACH	1
6030031 0	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	15
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1
60500060	REMOVING INLETS .	EACH	1
60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	145
67100100	MOBILIZATION	LSUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1
÷78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	14.4
×78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	320
×78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	118
¥78000610	THERMOPLASTIC PAVEMENT MARKING - LINE 16"	FOOT	88
X 4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	401
XX006392	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	4 75
Z0019600	DUST CONTROL WATERING	UNIT	14
Z0062000	SAWCUTTING	FOOT	145

INDICATES SPECIALITY HEIVIS		*	INDICATES SPECIALITY ITEMS
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EXISTING	LEGEND	PROPOSED
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——————————————————————————————————————	COMBINED SEWER	>> >>
and the second second second	STORM SEWER	$\longrightarrow\longrightarrow\longrightarrow$
	SILT FENCE	S
	TREE FENCE	—— T ———
- 8	TREE	(i)
0	MANHOLE	•
	DRAINAGE FLOW	
٥	FIRE HYDRANT	A
9	BUFFALO BOX	
ig	FENCE	•
	BUILDING	
. 6	FLOW DIRECTION	- Var Hamilton
123.45	SPOT GRADE	123.45
	DOWN SPOUT	$\stackrel{\frown}{\Longrightarrow}$
THOATV	CABLE T.V.	—CATV —
	ABANDON EXISTING SEWER (PLUG)	
	ABANDON EXISTING WATER	
	CENTER LINE	
	R.O.W. LINE	
	LEFT E.O.P.	
	RIGHT E.O.P.	***************************************
	WATER MAIN	
Market area () area area area area area area area ar	GAS MAIN	—— G ——
Management of the State of the	TELEPHONE CABLE	—— TEL ——
SL	STREET LIGHT CABLE	, —— SL ——
THE STATE OF THE S	COMMONWEALTH EDDISON LINE	E
0	CATCH BASIN	•
T.	INLET	-
	VALVE VAULT	•

DOMESTIC WATER SERVICE

STREET LIGHT POLE ELECTRIC POLE

ELECTRIC HAND HOLE

STRUCTURES TO BE REMOVED

CONC. REMOVAL & REPLACEMENT

REMOVAL & REPLACE STRUCTURE

ADJUST FRAME

FILL STRUCTURES

RECONSTRUCT

HOUSE ADDRESS

GAS BOX

VALVE BOX

LECEND

F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET" NO.
	07-00087-C	0-RS	COOK	10	2
FED F	ROAD DIST NO. 1	ALL INCOME.	HIGH ERIO	PITY DO	O ECT

CONTRACT NO. 83915

Plan Notes

- 1. Pipe Connection to Manholes A structural grade concrete or grout with minimum 28 day compressive strength of 3,000 psi shall be used. Existing reinforcement shall be bent into new concrete. The surface of the exposed concrete shall be sound, free from loose debris, brushed and coated with suitable bonding compound.
- 2. <u>Top of Curb Elevations</u> Before setting the top of curb elevations, the engineer shall check the existing elevations at the adjacent property line, and if necessary, the Contractor is required to vary the curb exposure and/or gutter elevations in order to more closely follow the proper line grades. The proposed curb exposure shall vary in height from 6 inches (MAX.) to 4 inches (MIN.)
- Earth Excavations Except as noted in the special provisions, earth excavation which is necessary for the construction of proposed combination concrete curb and gutter, driveway pavement, sidewalk, street return radius and alley return adjustments shall be considered incidental to their respective pay items of removal and no additional compensation will be paid.
- Street Returns A 20 feet radius shall be used on all intersecting street returns
- Existing Utilities Contractor must notify companies for locations prior to commencement of work. Existing utilities shall be maintained in service at all times. Utilities and obstructions shown on the plans were derived from the best possible information through contacts made with various utilities and agencies known to have structures in the area. The location, material and dimensions of existing obstructions are based upon available records, and are shown on the plans and profile strictly as an aid to the Contractor, but must not be construed as being accurate, correct or complete. All structures above and below ground that are encountered during construction shall be properly supported and maintained. The Contractor shall make all arrangements with the Owner of such structures for shifting, support, temporary relocation and for protection where necessary. If damaged during construction, the Contractor shall make or pay to have made all repairs to the structure to the satisfaction of the Owner of the structure. No extra payment shall be made for such interferences or obstructions.
- Utility locations: The Contractor shall contact Julie (800) 892-0123, and the Village of River Forest Department of Public Works (708) 366-8500 for utility locations prior to commencing construction. A joint July locate meeting is required. The Contractor shall notify all utility companies prior to construction to verify in the field all existing utilities and shall be responsible for protection of same. Contractor must exercise caution while working around existing utilities and existing trees in the area.
- 7. Access/Resident Control: The Contractor shall not close any street or private driveway without consent of the Engineer, and the proper notification of the affected resident(s) in the event the Engineer deems it necessary to close any driveways or streets, the Engineer shall made the necessary arrangements with the property owners, Police Department (708) 366-7125, and Fire Department
- 8. Use of fire hydrant: No fire hydrant shall be used to obtain water unless a hydrant use permit is obtained. Permit application can be obtained at the Village of River Forest, Department of Public Works, 400 Park Avenue, River Forest, Illinois 60305 (708-366-8500).
- 9. <u>Notification of Work:</u> The Contractor shall notify the Village of River Forest at least 48 hours prior to initial start of operations, and also prior to any temporary cessation and resumption of operations, and 24 hours prior to each inspection at (708-366-8500).
- 10. Service connections for existing utilities (gas, water and sanitary sewer) are not shown on the drawings. Contractor shall assume service connections cross street opposite from utility location indicated on drawings and shall take care not to disturb them.
- 11. Utility service (i.e., combined sewer, storm sewer, water main, gas, telephone, electric cable TV) are generally shown on the drawings but may not be complete. Contractor shall maintain all utility services and repair any damage resulting from construction operations.

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VILLAGE OF RIVER FOREST ENGINEERING DEPARTMENT 400 PARK AVE. RIVER FOREST, IL 60305 (708) 366-8500

KEYSTONE AVENUE AND AUGUSTA STREET RESURFACING IMPROVEMENTS LEGEND, SUMMARY OF QUANTITIES AND GENERAL NOTES SECTION NO: 07-00083-00-RS

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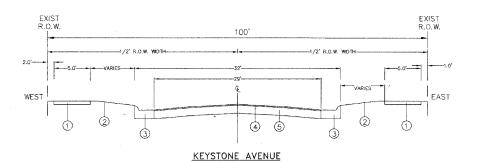
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SECTION COUNTY 07-00087-00-RS COOK FED. ROAD DIST. NO. 1 ILLINOIS HIGH PRIORITY PROJECT

CONTRACT NO. 83915



EXISTING TYPICAL SECTION

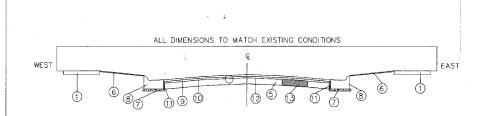
STA: 0+20 TO STA 25+64

1 1/2" SURFACE CS -3/4" POLMERIZED LEVELING BINDER EXIST BIT SURFACE TO REMIAN EXIST PCC BASE COURSE-

EXIST R.O.W. EXIST R.O.W. ---1/2' R.O.W. WIDTH-EAST

> **AUGUSTA STREET** EXISTING TYPICAL SECTION

STA: 0+00 TO STA 5+00



KEYSTONE AVENUE PROPOSED TYPICAL SECTION STA: 0+20 TO STA 25+64

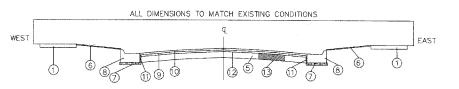
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HOT MIX ASPHALT MIXTURE REQUIREMENTS AC TYPE HOT MIX ASPHALT SURFACE COURSE, PG 64-22 4% @ 50 GYR MIX C, N50, IL-9.5 MM POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 SBS/SBR 4% @ 50 GYR PG 76-28/22 CLASS D PATCHES, 8 INCHES (SPECIAL) BINDER IL-19 MM 4% @ 70 GYR

- THE UNIT WEIGHT USED TO CALCULATE ALL BITUMINOUS SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
- WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

LEGEND

- 1. EXISTING P.C.C. SIDEWALK
- 2. EXISTING PARKWAY
- 3. EXISTING COMBINATION CONCRETE CURB AND GUTTER $B\!-\!6.12$
- 4. EXISTING HOT MIX ASPHALT SURFACE COURSE VARIABLE THICKNESS
- 5. EXISTING PCC BASE COURSE.
- 6. PROPOSED TOPSOIL PLACEMENT AND SODDING AT LOCATIONS C&G REPLACEMENT
- 7. PROPOSED SUB-BASE GRANULAR MATERIAL TYPE B
- 8. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 AT DESIGNATED LOACTION BY ENGINEER
- 9. PROPOSED POLMERIZED LEVELING BINDER, SUPERPAVE, MIX IL-4.75, 0.75"
- 10. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"
- 11. PROPOSED PCC BASE COURSE 8", WIDTH AS REQUIRED (INCIDENTAL TO COMB. CURB AND GUTTER)
- 12. PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- 13. PROPOSED CLASS D PATCHES, 8 INCHES (SPECIAL)



AUGUSTA STREET PROPOSED TYPICAL SECTION STA: 0+00 TO STA 5+00

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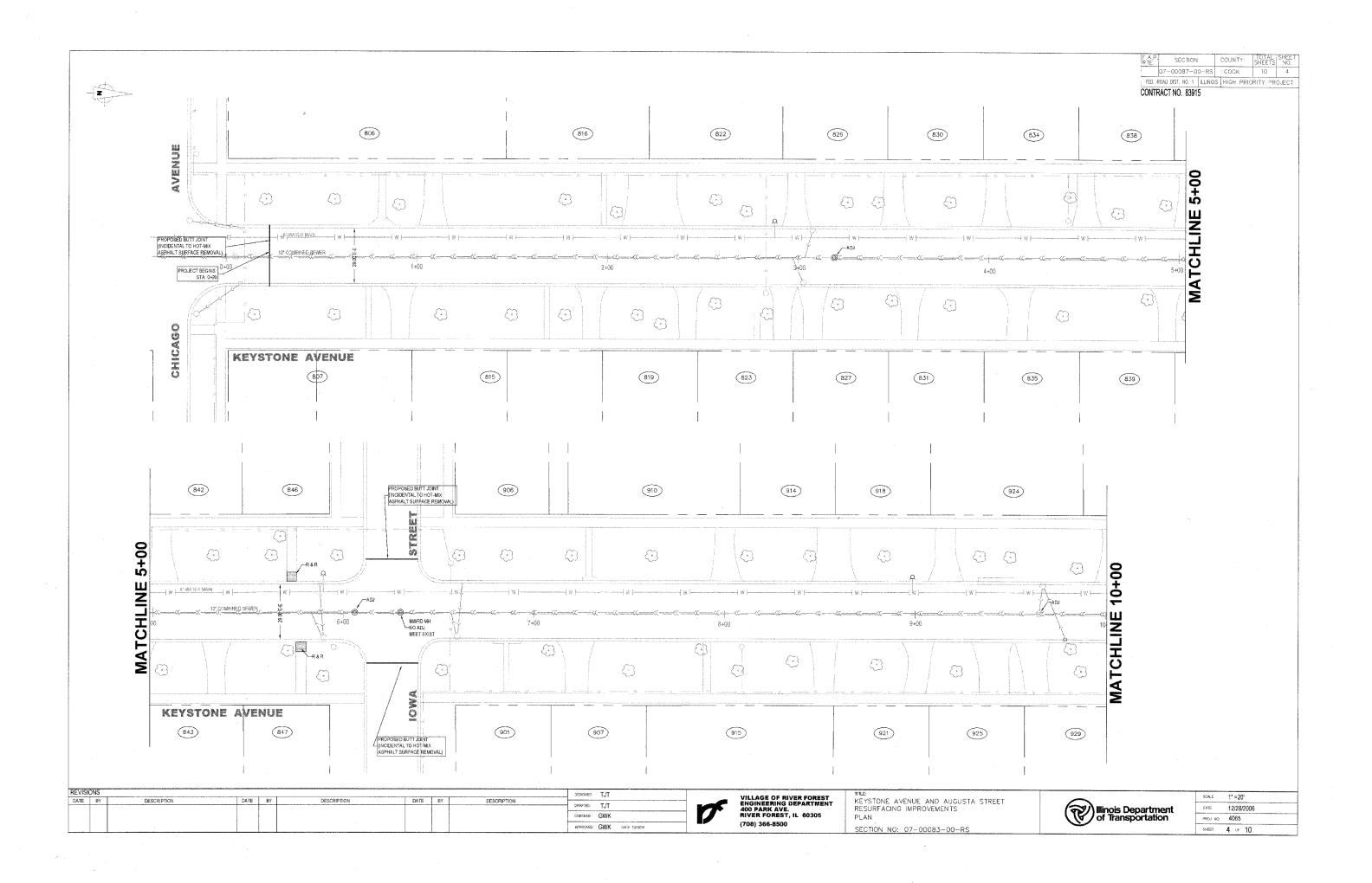


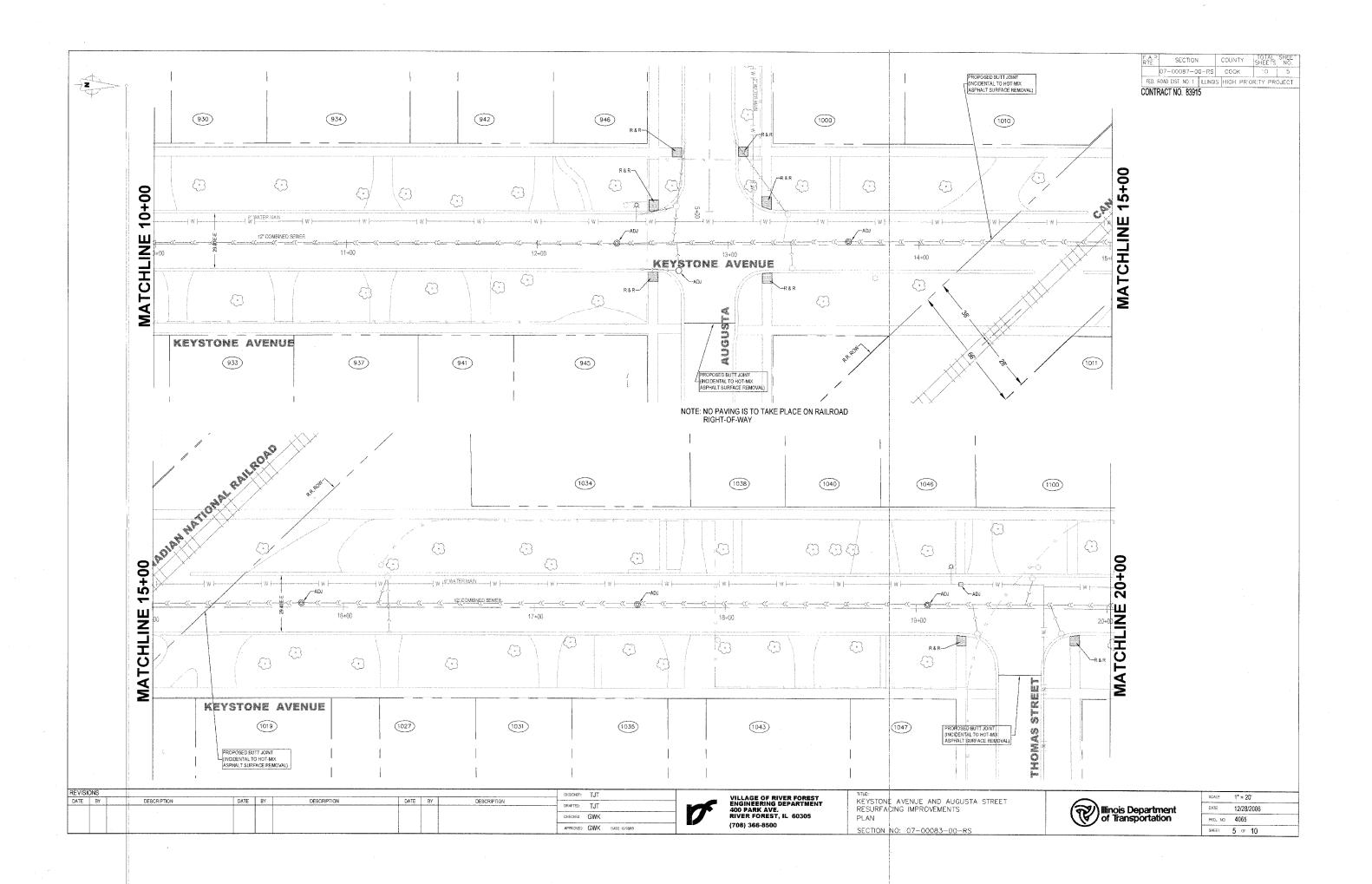
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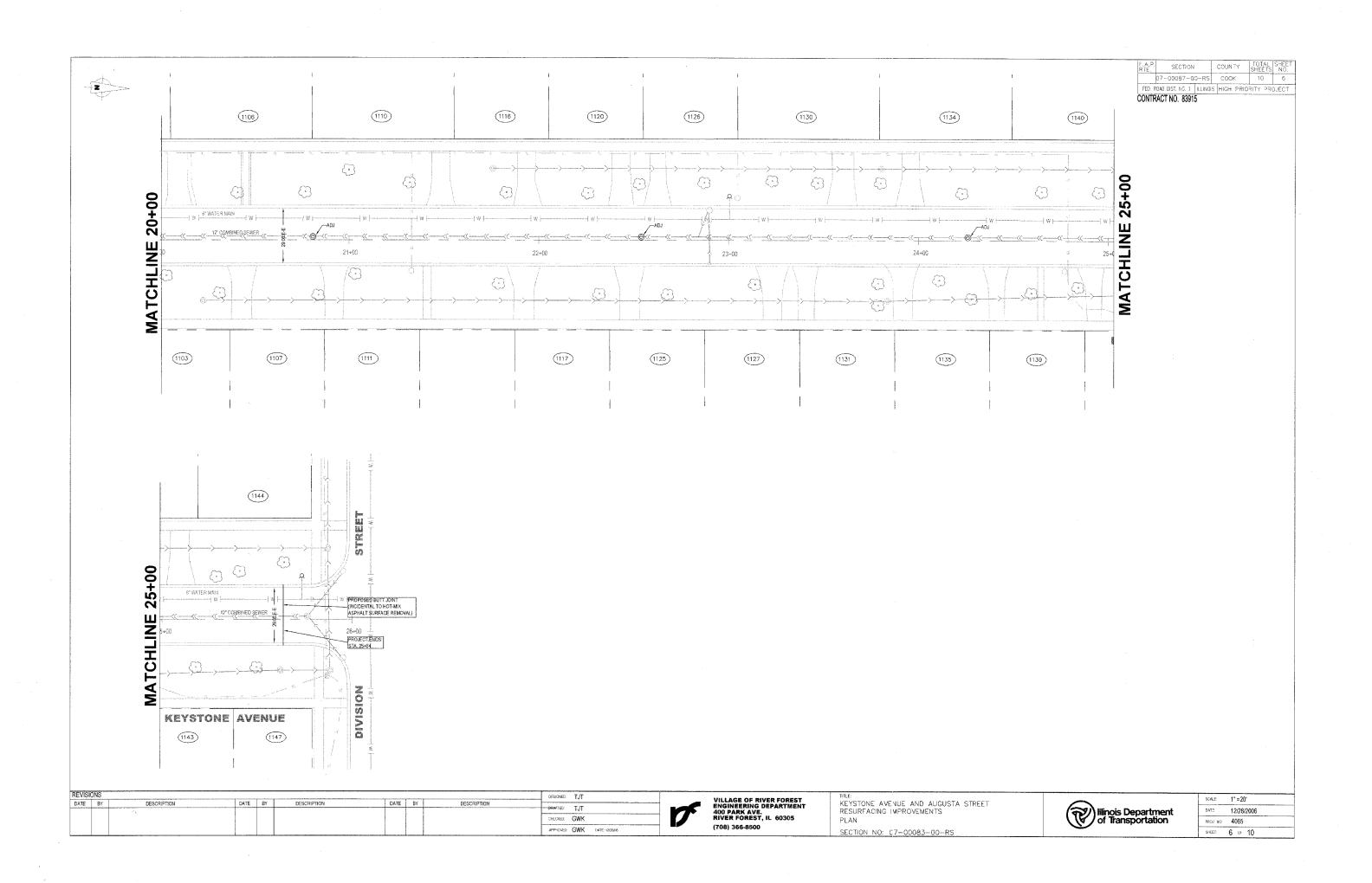
KEYSTONE AVENUE AND AUGUSTA STREET RESURFACING IMPROVEMENTS TYPICAL SECTIONS SECTION NO: 07-00083-00-RS

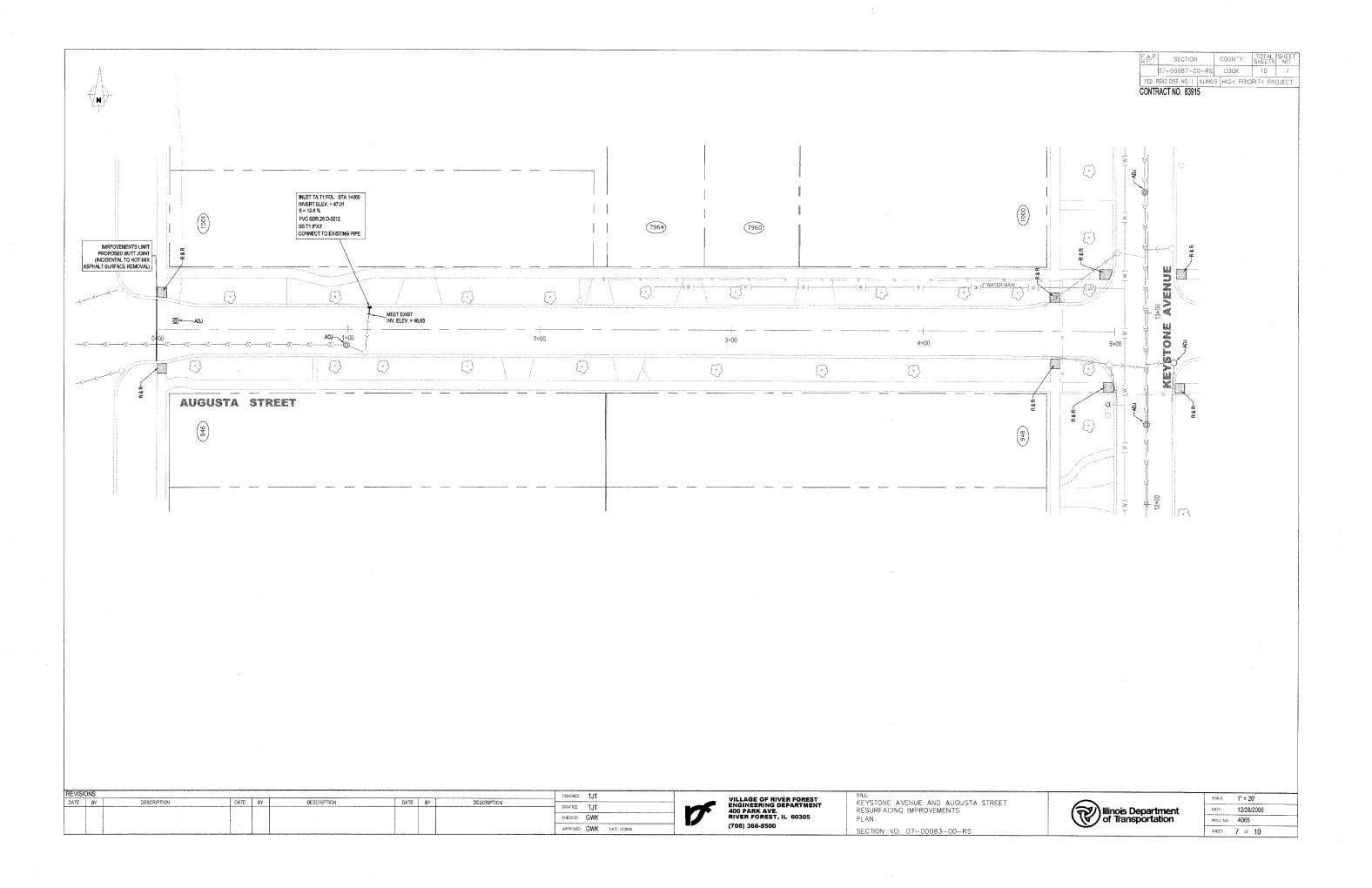


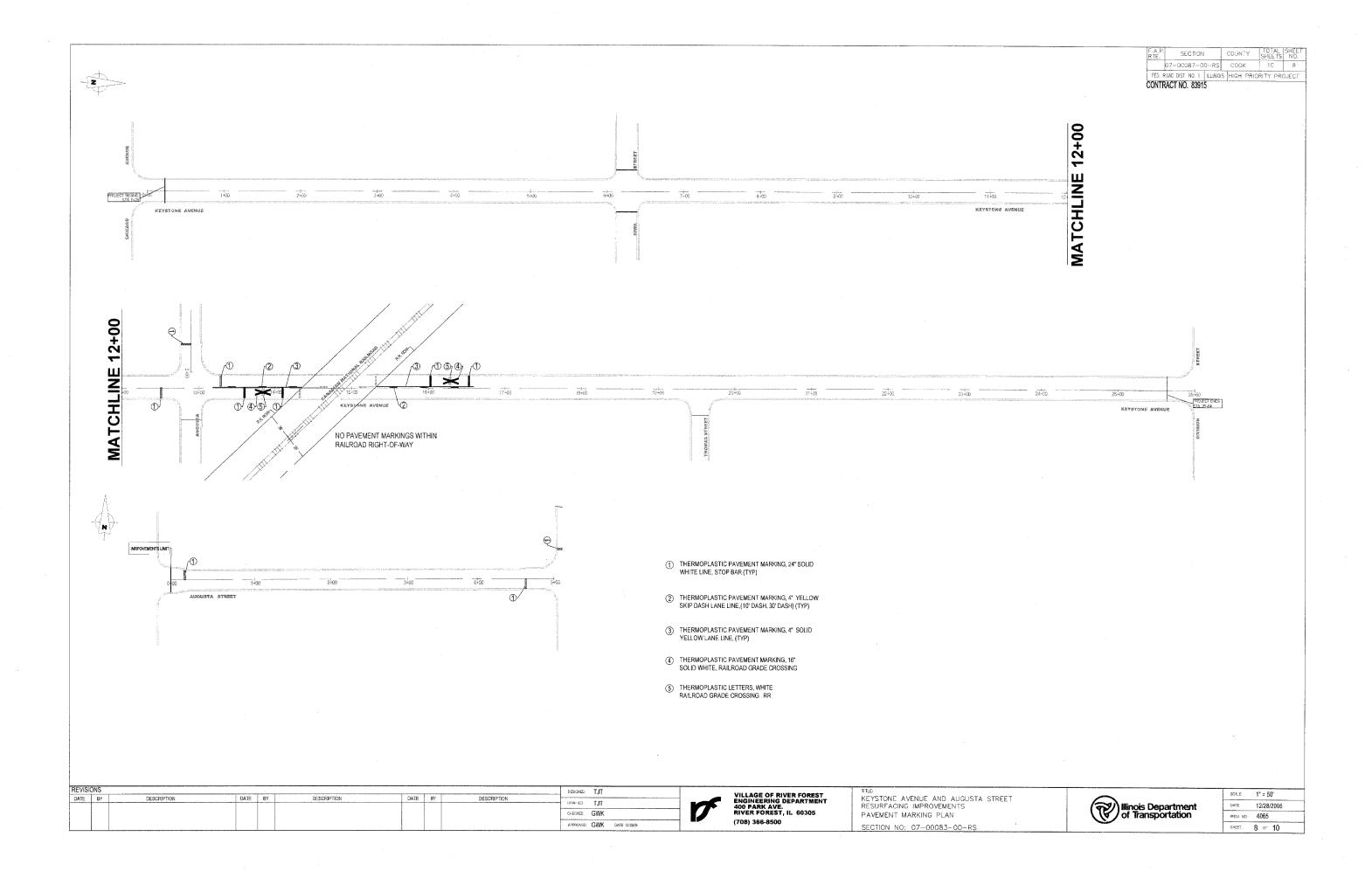
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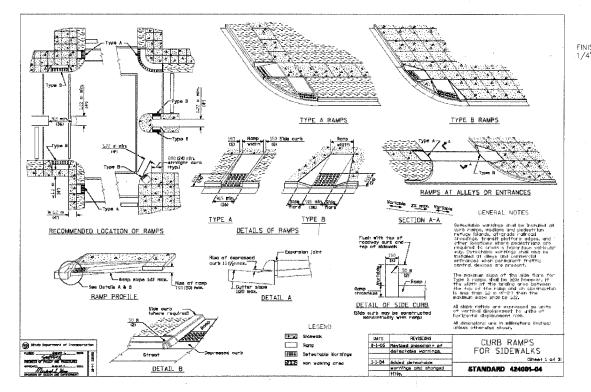


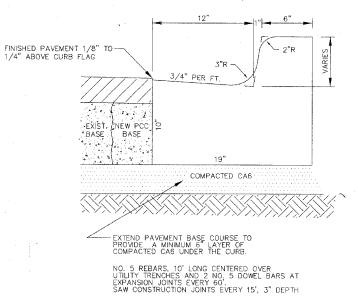




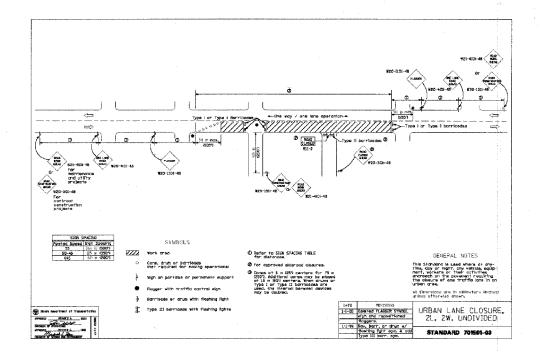


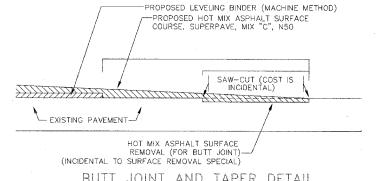






B6:12 CURB & GUTTER MODIFIED NOT TO SCALE



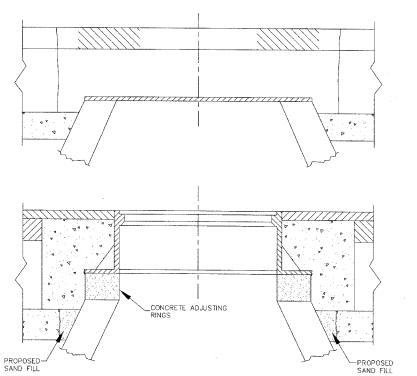


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Р SECTION COUNTY TOTAL SHEET'S NO. 07-00087-00-RS COOK 10 9 FED. ROAD DIST. NO. : LLINOIS HIGH PRIORITY PROJECT

CONTRACT NO. 83915



CONSTRUCTION PROCEDURES

STAGE I (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12" OF THE PAVEMENT FROM AROUND THE STRUCTURE.

 B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

 C) COVER THE STRUCTURE OPENING WITH A 36" DIAMETER METAL PLATE.

 D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2" THICK BITUMINOUS MATERIAL APPROVED BY THE ENGINEER.

STAGE II (AFTER PAVEMENT MILLING)

- REMOVE THE BITUMINOUS MATERIAL AND CRUSHED STONE. INSTALL THE FRAME AND LIDS ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION. THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTION 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

- THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

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VILLAGE OF RIVER FOREST ENGINEERING DEPARTMENT 400 PARK AVE. RIVER FOREST, IL 60305 (708) 366-8500

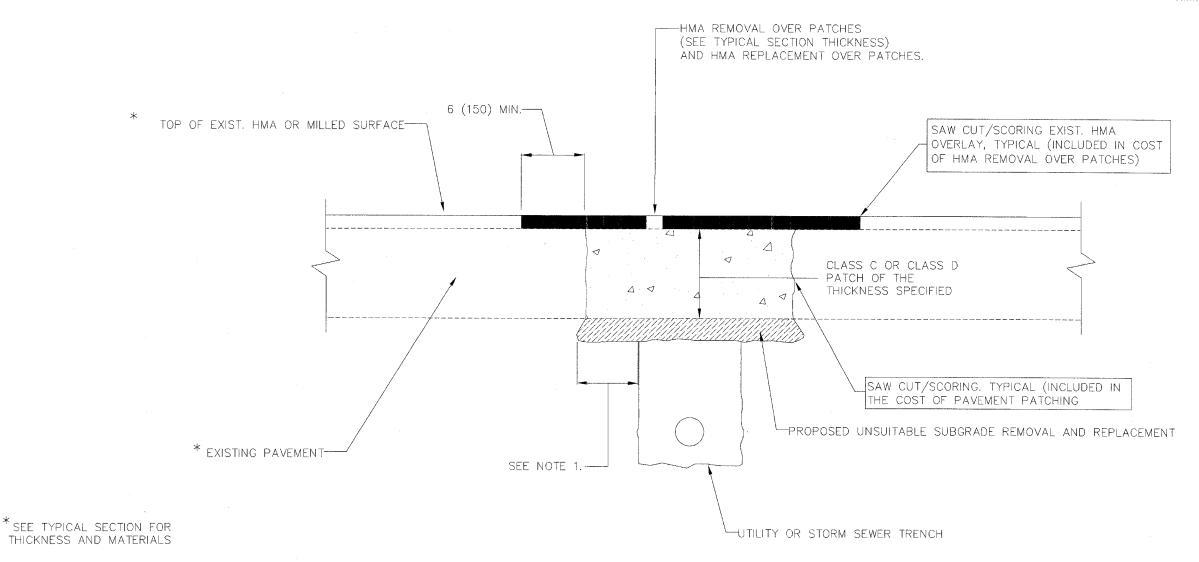
KEYSTONE AVENUE AND AUGUSTA STREET RESURFACING IMPROVEMENTS STANDARDS AND DETAILS SECTION NO: 07-00083-00-RS

Illinois Department of Transportation	
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| 07-00087-00-RS | COOK | 10 | 10 |
| FED. ROAD DIST. NO. 1 | ILLINOIS | HIGH PRIORITY PROJECT

CONTRACT NO. 83915



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 PAVEMENT. SEE RECURRING SPECIAL PROVISIONS "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SCHEDULE OF CONSTRUCTION

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

SCALE: VERT: NONE HORIZ: NONE PLOT DATE: 2/21/2007 DRAWN BY: