09-23-2022 LETTING ITEM 009

INDEX OF SHEETS

- 1. COVER SHEET
- 2. GENERAL NOTES & MIX DESIGN
- 3. SUMMARY OF QUANTITIES
- 4. SCHEDULE OF QUANTITIES
- 5 PROPOSED PLAN
- 6-7. PCC PAVEMENT DETAILS
- 8. INLET ADJUST DETAIL
- 9-17. CROSS SECTIONS

HIGHWAY STANDARDS

420001-10

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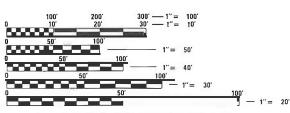
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701901–08



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

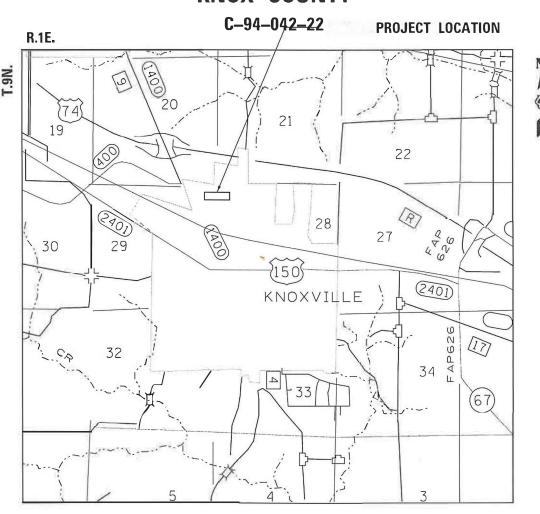
J.U.L.I.E. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS 1-800-892-0123 OR 811

PROJECT ENGINEER: RICH DOTSON 309-671-3455 PROJECT MANAGER: ANNA DEVINE 309-671-3475 CATALOG NO. 036318-00D CONTRACT NO. 68H08

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

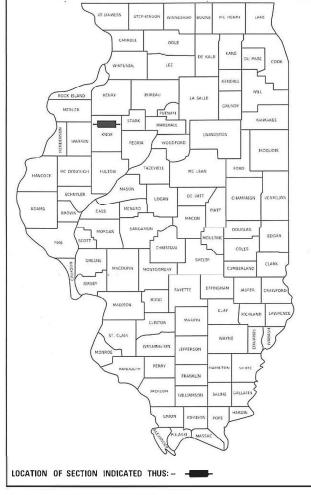
ROUTE KNOXVILLE MAINTENANCE YARD SECTION D4 PARKING LOT RESURF 2022 CAPITAL IMPROVEMENT KNOX COUNTY



GROSS LENGTH = 850 FT. = 0.16 MILE

NET LENGTH = 850 FT. = 0.16 MILE

D-94-027-22



DESCRIPTION

THIS PROJECT CONSISTS OF MILLING AND RESURFACING THE EXISTING PARKING AREA, ALONG WITH ADDING ADDITIONAL PCC PARKING AND DRIVING AREAS AT THE KNOXVILLE STORAGE YARD, SOUTH OF 1–74 ON CH 9 AND ANY OTHER COLLATERAL WORK NECESSARY.



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GENERAL NOTES

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

There are no commitments included with this contract.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run—arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Borrow Site Review)
- * BDE Form 2290 (Waste/Use Area Review)
- * A location map showing the size limits and location of the use area
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form D4 PI0101

Prior to any waste materials being removed from the construction site the required environmental resource surveys shall be obtained and filed by the Contractor, Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

Please note that a minimum of four weeks shall be allowed for the District to obtain the required waste site environmental clearances and six weeks for the required borrow site environmental clearances.

MIX DESIGN

The following mixture requireme	ents are applicable for this pro	oject:	
Location(s):	Parking Surface	Parking Surface	
Mixture Use(s):	Surface Lift	Binder Lifts (Buildup to Building Apron)	
AC/PG:	PG 58-28	PG 58-28	
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 19.0	
Friction Aggregate:	Mix C	N/A	
Quality Management Program:	QCQA	QCQA	
MTD:	No	No	

Note:

- 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal
- 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y./in., unless otherwise noted.
- 3) Sublot sizes for PFP and QCP mixes will be 600 tons, unless otherwise agreed to by the Engineer and the paving contractor.

USER NAME = \$USER\$	DESIGNED -	REVISED -
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PLOT DATE = 7/7/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFNERAL NOTES AND MIN DESIGN							F.A. RTE	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.	
GENERAL NOTES AND MIX DESIGN				iN	Ī		D4 PARKING	4 PARKING LOT RESURF			17	2		
												CONTRACT	F NO. 68	80H
SHEET	1	OF	1	SHEETS	STA.	TO STA.				ILLINOIS	FED. AI	D PROJECT		

				CONSTN.
				CODE 0005
		1	r	PARKING LOT
CODE			TOTAL	KNOX
NO.	ITEM	UNIT	QUANTITY	100% STATE
NO.	TTEM	ONT	QUANTITI	RURAL
20200100	EARTH EXCAVATION	CU YD	450	450
			,	
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	526	526
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4497	4497
			4	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	84	84
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	616	616
42000060	WELDED WIRE REINFORCEMENT	SQ YD	2018	2018
42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	2018	2018
44000100	PAVEMENT REMOVAL	SQ YD	69	69
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	4956	4956
60260100	INLETS TO BE ADJUSTED	EACH	1	1
67100100	MOBILIZATION	L SUM	1	1
X1200251	CONCRETE APRON FOR INLET	EACH	1	1
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	539	539

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

CONSTR.

	PARKING LOT MATERIALS TABLE											
LOCATION	AREA	EARTH EXCAVATION	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	BITUMINOUS MATERIALS (TACK COAT)	SUBBASE GRANULAR MATERIAL, TYPE B	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	HOT - MIX ASPHALT BINDER COURSE, IL - 19.0, N50	PAVEMENT REMOVAL	PORTLAND CEMENT CONCRETE PAVEMENT 8"	WELDED WIRE REINFORCEMENT	
				0" - 3"	0.08LBS/SQ FT	VAR.	2"	VARIES		(JOINTED)		
	SQ YD	CU YD	SQ YD	SQ YD	POUND	TON	TON	TON	SQ YD	SQ YD	SQ YD	
KNOX MAINTENANCE YARD												
Main Lot	4956.4		4956.4		3568.6		555.1					
Location 1	208.4	63.6				47.5				208.4	208.4	
Location 2	216.5	57.5				49.3				216.5	216.5	
Location 3	172.2	54.8				39.2				172.2	172.2	
Location 4	475.7	104.7				111.3			68.8	475.7	475.7	
Location 5	529.8	75.6				183.1				529.8	529.8	
Location 6	264.4	42.6				60.9				264.4	264.4	
Location 7	538.9			538.9	928.8		60.4	84.1				
Location 8	150.9	52.0				34.4				150.9	150.9	
TOTALS		450	4956	539	4497	526	616	84	69	2018	2018	

LOCATION	INLETS TO BE ADJUSTED	CONCRETE APRON FOR INLET			
STA	EACH	EACH			
4+22	1	1			
TOTALS	1	1			

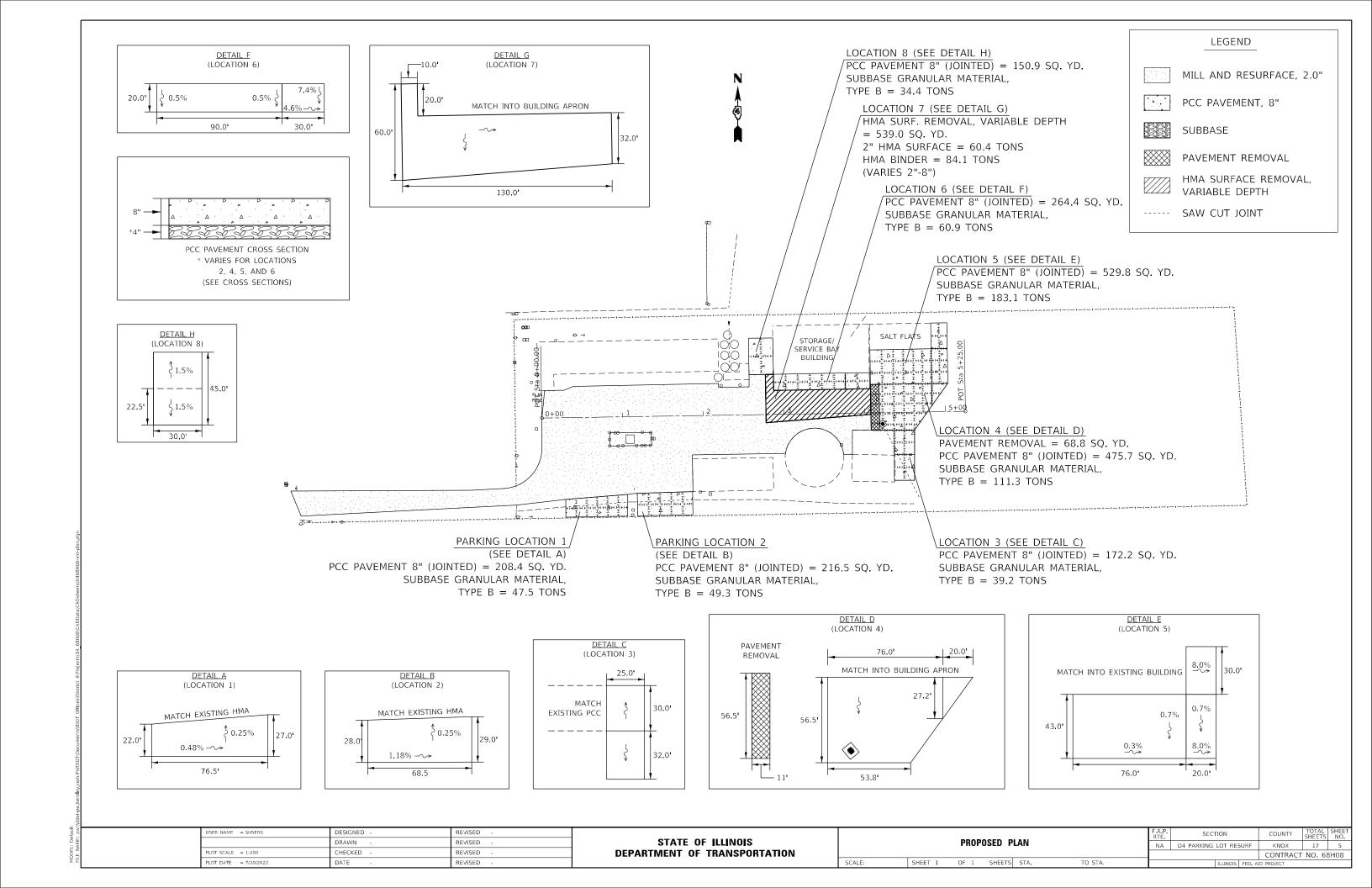
MOBILIZATION									
LOCATION	L SUM								
Jobsite	1								
TOTAL	1								

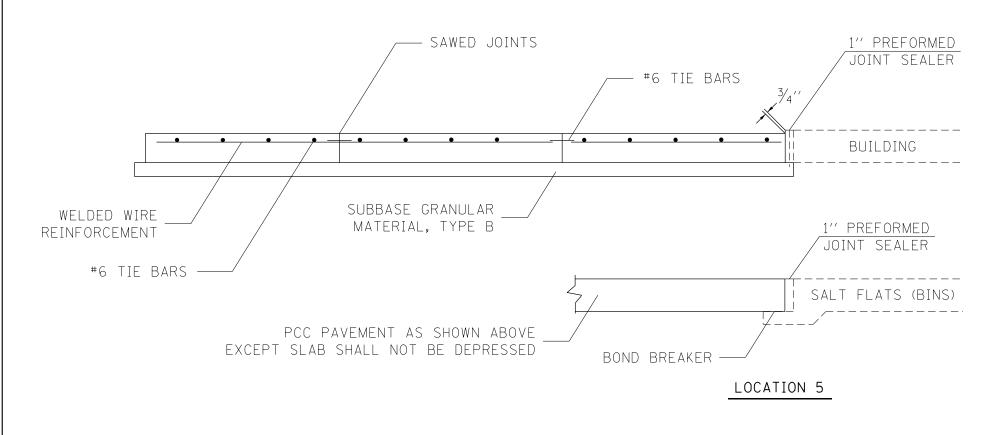
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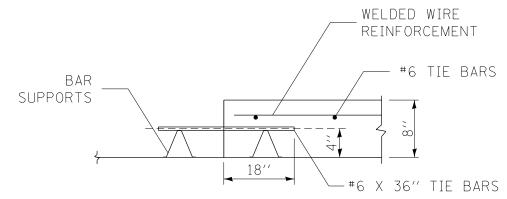
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PLOT DATE = 7/7/2022	DATE -	REVISED -

SCALE:

	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
SCHEDULE OF QUANTITIES	NA	NA D4 PARKING LOT RESURF KNOX							
			CONTRAC	T NO. 68	3H08				
IEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT							

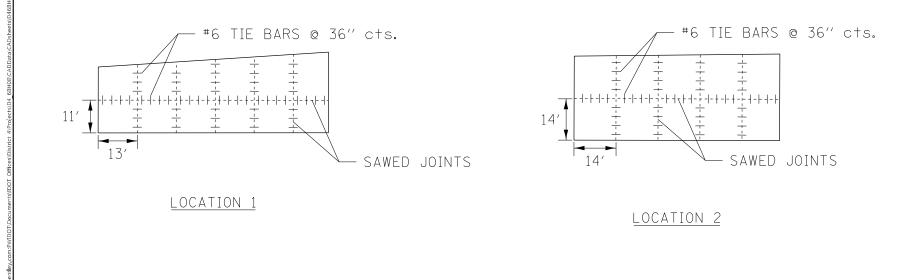






CONSTRUCTION JOINT

CROSS SECTION (TYP.)



GENERAL NOTES

SAW CUTTING, TIE BARS AND PREFORMED JOINT SEALER WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR PCC PAVEMENT 8" (JOINTED).

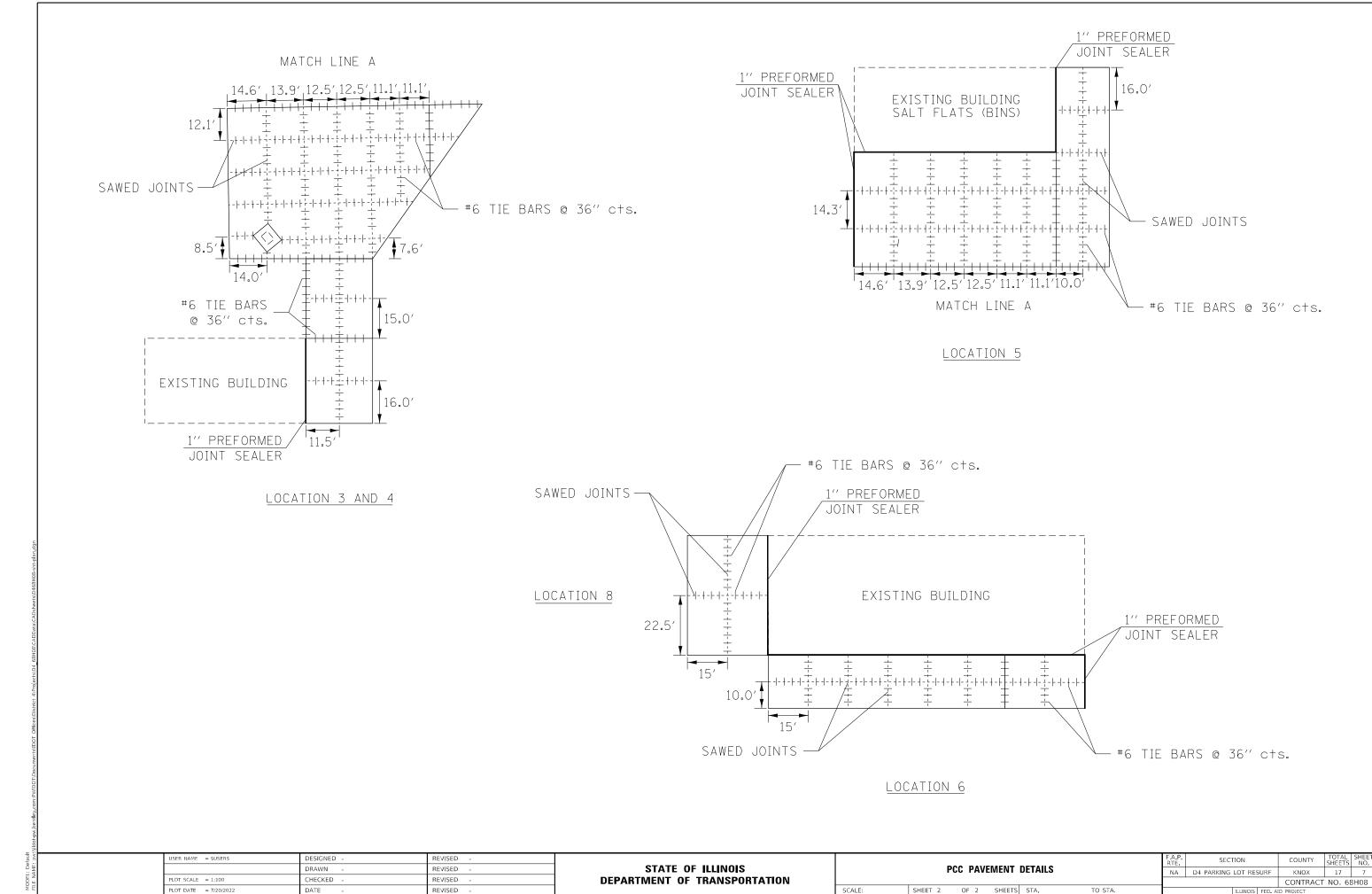
TIE BARS SHALL NOT BE USED WHEN JOINTS ARE ADJACENT TO A BUILDING.

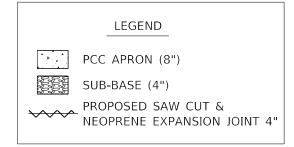
BOLLARDS SHALL BE WRAPPED AND SEALED WITH A 1/2" EXPANSION.

SEE STANDARD 420001 FOR DETAILS OF JOINTS NOT SHOWN.

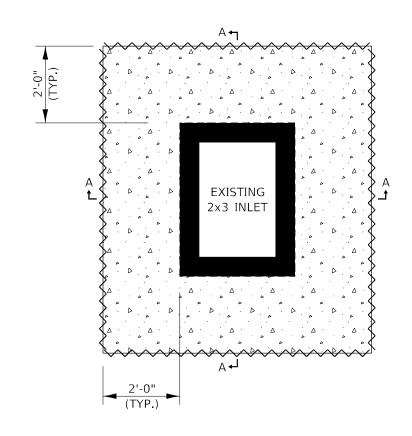
SEE STANDARD 420701 FOR WELDED WIRE REINFORCEMENT DETAILS.

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	DRAWN -	REVISED -	STATE OF ILLINOIS	PCC PAVEMENT DETAILS			NA.	D4 PARKING LOT RESURF	KNOX	17	6			
PLOT SCALE = 1:100	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION							CONTRACT NO.			8H08	
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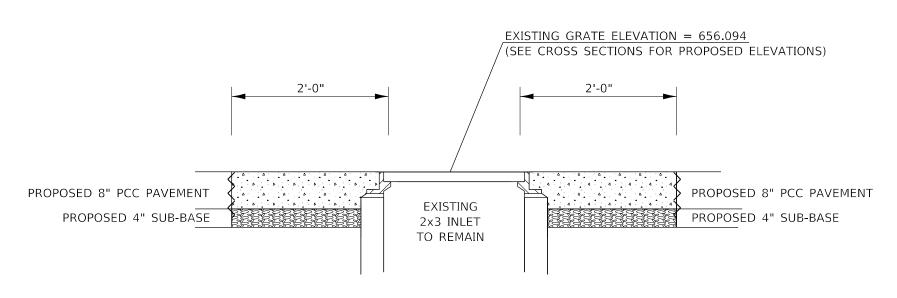




PLAN VIEW



SECTION A-A



NOTES

- 1. REMOVAL SHALL INCLUDE FRAME, GRATE, ENTIRE EXISTING CONCRETE APRON, AND ANY ADDITIONAL PAVEMENT WITHIN THE LIMITS OF THE PROPOSED SAW CUTS. (FRAME AND GRATE SHALL BE STORED FOR RE-USE)
- 2. PROPOSED GRATE ELEVATION SHALL BE APPROVED BY THE ENGINEER.
- 3. ANY SUBBASE REPAIR NECESSARY SHALL BE TO THE SATISFACTION OF THE ENGINEER.
- 4. THE PROPOSED PCC APRON SHALL INCLUDE WELDED WIRE REINFORCEMENT. SEE HIGHWAY STANDARD 420701 FOR WELDED WIRE REINFORCEMENT DETAILS.
- 5. THE 4" NEOPRENE EXPANSION JOINT SHALL BE PLACED BETWEEN APRON AND PROPOSED PCC PAVEMENT.
- 6. SEE SPECIAL PROVISION "CONCRETE APRON FOR INLET" FOR ADDITIONAL DETAILS.

DETAILS NOT DRAWN TO SCALE

USER NAME = \$USER\$	DESIGNED -	REVISED -			LOCATION 4				COUNTY	TOTAL SHEET
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PLOT DATE = 7/7/2022	DATE -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS STA.	TO STA.		ILLINOIS FED. AI	D PROJECT	

