

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP 320 (IL 121)  
SECTION (134) T

DRAINAGE IMPROVEMENT  
LOGAN COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134)T	LOGAN	10	1
		ILLINOIS	CONTRACT NO. 72H62	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**STANDARDS**

- 000001-06 631046-04
- 001006 635006-03
- 601001-04 635011-02
- 602301-04 701201-04
- 604046-03 701301-04
- 630001-10 701901-04
- 631006-08

**HIGHWAY CLASSIFICATION**

FAP 320 (IL 121)

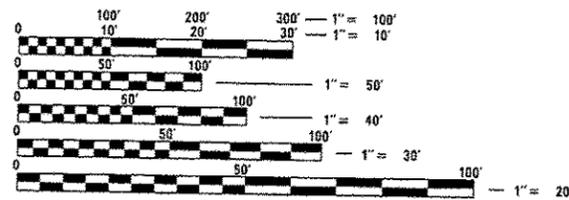
FUNCTIONAL CLASSIFICATION - OTHER PRINCIPAL ARTERIAL

ADT = 3650

PV 79.04%

SU 5.89%

MU 15.07%

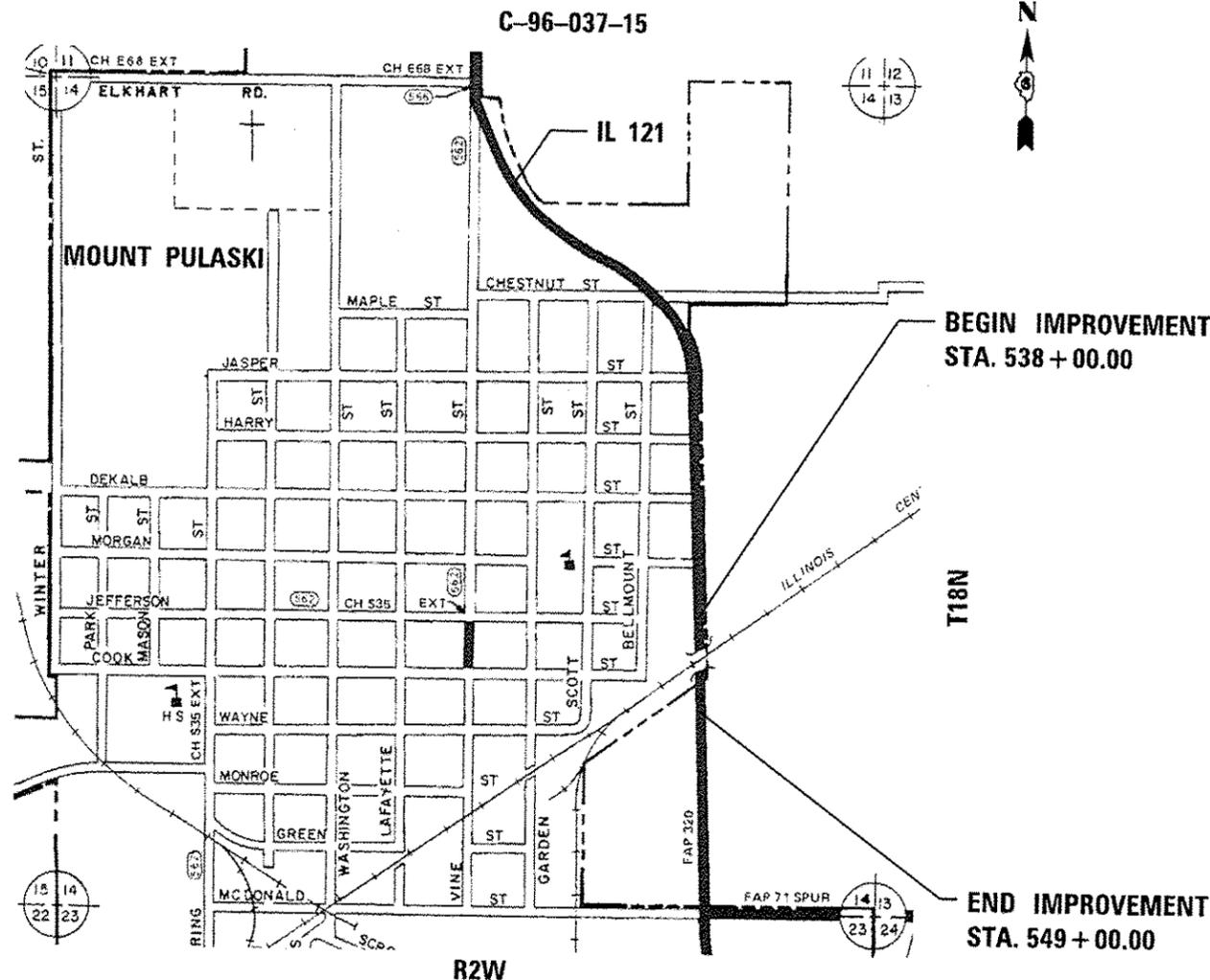


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER - JEFF MYERS 217-782-7331  
PROJECT MANAGER - KEITH DONOVAN 217-782-4761

CONTRACT NO. 72H62



R2W  
GROSS LENGTH = 1100 FT. = 0.208 MILE  
NET LENGTH = 1100 FT. = 0.208 MILE



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED February 6, 2015  
By: *Robert D. Driskell, Jr.*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 8, 2015  
*John D. Bramzodi, PE*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 2015  
*Amir Osman, PE*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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**GENERAL NOTES**

1. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED IN THE INDEX OF SHEETS (COVER SHEET) OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
2. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
3. ACCESS TO ALL ENTRANCES AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE SHOWN.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS, AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
5. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
6. WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
7. UNLESS NOTED OTHERWISE, STATIONS AND OFFSETS REFER TO CENTERLINE OF PROJECT
8. ALL DISTURBED AREAS SHALL BE SEEDED WITH SEEDING, CLASS 2 AND MULCH, METHOD 2 WHEN THE WORK IS COMPLETE. SEEDING WILL NOT BE PAID FOR SEPARATELY, BUT CONSIDERED TO BE INCLUDED IN THE COST OF THE CONTRACT ITEMS.

**INDEX OF SHEETS**

1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICALS
5	SCHEDULES
6-8	PLAN SHEETS
9-10	DETAIL SHEETS

<b>DISTRICT SIX</b>	
EXAMINED	JANUARY 20 <sup>th</sup> 20 15
	<i>[Signature]</i>
OPERATIONS ENGINEER	
EXAMINED	January 21 20 15
	<i>Ron Duchambeau</i>
PROJECT IMPLEMENTATION ENGINEER	
EXAMINED	January 21 20 15
	<i>[Signature]</i>
PROGRAM DEVELOPMENT ENGINEER	

PPS NUMBER  
0-01621-6021

CONSTR. CODE

100%  
STATE

ROADWAY

0044

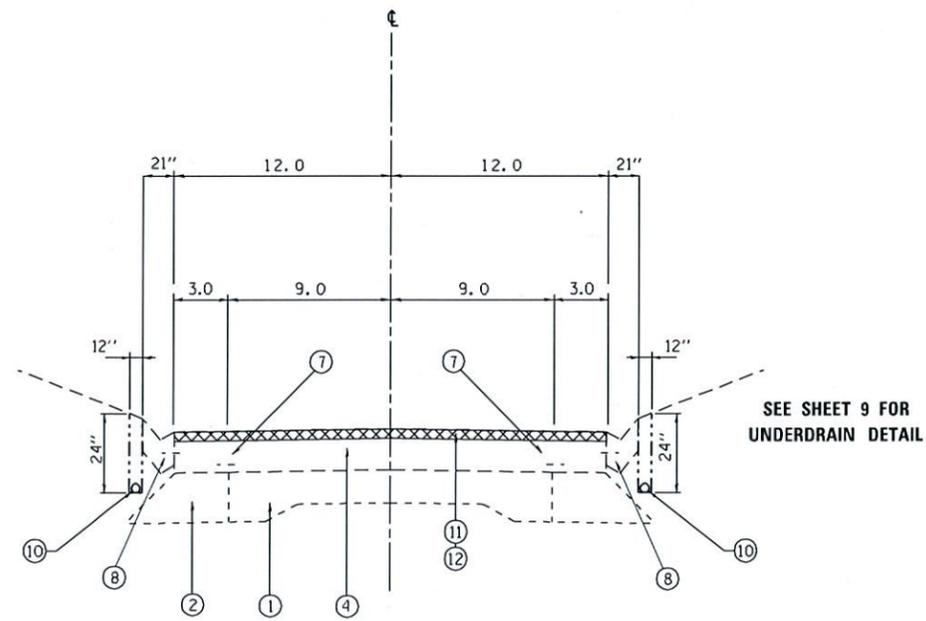
URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1212	1212
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	1607	1607
40603315	HOT MIX ASPHALT SURFACE COURSE, MIX 'C', N70	TON	302	302
60236700	INLETS, TYPE A, TYPE 10 FRAME AND GRATE	EACH	2	2
44000157	HOT MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2693	2693
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	87.5	87.5
* 63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	100	100
* 63100041	TRAFFIC BARRIER TERMINAL, TYPE 1B	EACH	3	3
* 63100105	TRAFFIC BARRIER TERMINAL, TYPE 10	EACH	4	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	4040	4040
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	13	13
X6020399	CONNECTION TO EXISTING MANHOLE	EACH	2	2
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	13	13
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100

12-19

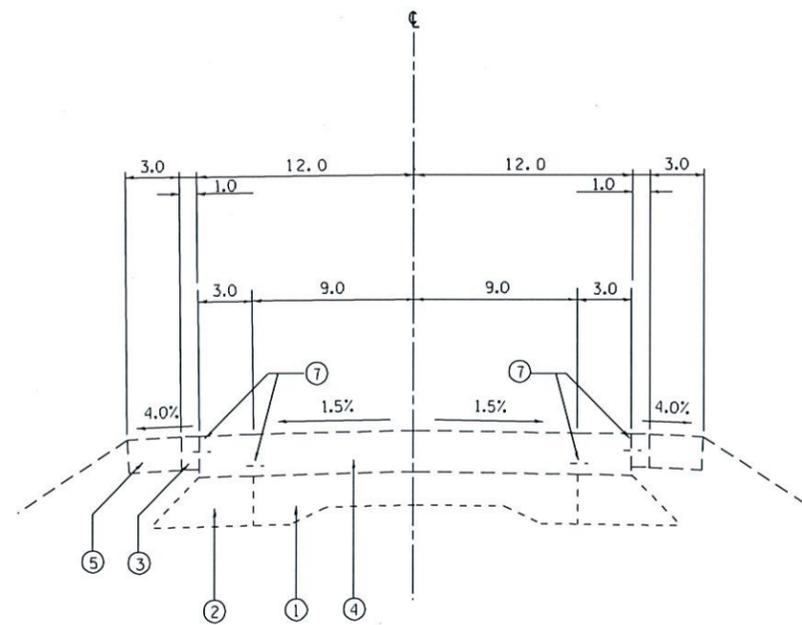
\* SPECIALTY ITEM

FILE NAME =	USER NAME = sparksgv	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. R.I.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\p1dot\sparksgv\0422229\067	MS2-ah1-800.dgn	DRAWN -	REVISED -						320	(134)T	LOGAN	10	3
Default	PLOT SCALE = 100.0000 1/4 in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 72H62		
	PLOT DATE = Feb-06-2015 07:06:03AM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



STA. 538+00 TO STA. 548+00

SEE SHEET 9 FOR UNDERDRAIN DETAIL



STA. 389+00 TO STA. 538+00\*\*\*  
STA. 548+00 TO STA. 51+50\*\*\*\*

\*\*\* THROUGH STA. EQUATION 405+22 BK = 500+00 AH  
\*\*\*\* THROUGH STA. EQUATION 577+59 BK = 45+00 AH

- ① EXISTING 18' PCC PAVEMENT - 9'-6"-9"
- ② EXISTING 3' BIT. BASE COURSE WIDENING - 9"
- ③ EXISTING BIT. CONC. SHOULDER - 6"
- ④ EXISTING BIT. CONC. SURFACE COURSE - 7.5"
- ⑤ EXISTING AGGREGATE SHOULDER, TYPE A - 6"
- ⑥ EXISTING BIT. CONC. OVERLAY ON BIT. CONC. SHOULDER - 2"
- ⑦ EXISTING STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑧ EXISTING CONC. GUTTER, TYPE B
- ⑨ EXISTING GRANULAR EMBANKMENT - 18"
- ⑩ PROPOSED 6" UNDERDRAIN
- ⑪ PROPOSED HMA SURFACE REMOVAL, 2"
- ⑫ PROPOSED HMA SURFACE COURSE, MIX 'C' N70

MIXTURE USE(S):	HMA SURFACE
PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70
MIXTURE COMPOSITION:	IL 9.5
FRICTION AGGREGATE:	MIX C
QUALITY MANAGEMENT:	QC/OA

60108100 - PIPE UNDERDRAIN, 4" (SPECIAL) (FOOT)					
STA	TO	STA	LT/RT	LENGTH (FOOT)	
538+17	TO	543+36	RT	519	
545+25	TO	547+95	RT	270	
538+11	TO	543+36	LT	525	
545+00	TO	547+93	LT	293	
TOTAL				1607	

60236700 - INLETS, TY A, TY 10 FR & GR (EACH)			
STA	LT/RT	EACH	
545+00	LT	1	
545+25	RT	1	
TOTAL		2	

X6020399 - CONNECTION TO EXISTING MANHOLE (EACH)			
STA	LT/RT	EACH	
543+36	LT	1	
543+36	RT	1	
TOTAL		2	

63000025 - SPBGR, ATTACHED TO STRUCTURES (FOOT)					
STA	TO	STA	LT/RT	LENGTH (FOOT)	
543+50	TO	543+75	LT	25	
543+71	TO	543+96	RT	25	
544+23	TO	544+48	LT	25	
544+48	TO	544+73	RT	25	
TOTAL				100	

63100105 - TRAFFIC BARRIER TERMINAL, TYPE 10 (EACH)					
STA	LT/RT	EACH			
543+75	LT	1			
544+23	LT	1			
543+96	RT	1			
544+48	RT	1			
TOTAL		4			

63100041 - TRAFFIC BARRIER TERMINAL, TYPE 1B (EACH)					
STA	LT/RT	EACH			
543+46	TO	543+71	RT	1	
544+48	TO	544+73	LT	1	
544+73	TO	544+90	RT	1	
TOTAL				3	

63000001 - STEEL PLATE BEAM GUARDRAIL, TY A, 6' POSTS (FOOT)					
STA	TO	STA	LT/RT	LENGTH (FOOT)	
542+62.50	TO	543+50	LT	87.5	
TOTAL				87.5	

78201000 - TERMINAL MARKER, DIRECT APPLIED (EACH)					
STA	LT/RT	EACH			
542+12	LT	1			
TOTAL		1			

63100167 - TRAFFIC BARRIER TERMINAL, TY 1 (SP) TANGENT (EACH)					
STA	LT/RT	EACH			
542+12	LT	1			
TOTAL		1			

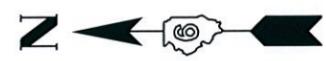
40603315 - HMA SURFACE COURSE, MIX' C', N70 (TON)						
STA	TO	STA	WIDTH (FT)	THICKNESS	TONS	
538+00	TO	548+10	24	2"	302	
TOTAL					302	

RAISED REFLECTIVE PAVEMENT MARKERS					
STA	TO	STA	78300200	78100100	
			RAISED REFL PAVT MKR REMOVAL	RAISED REFL PAVT MKR	
538+00	TO	548+10	13	13	
TOTAL			13	13	

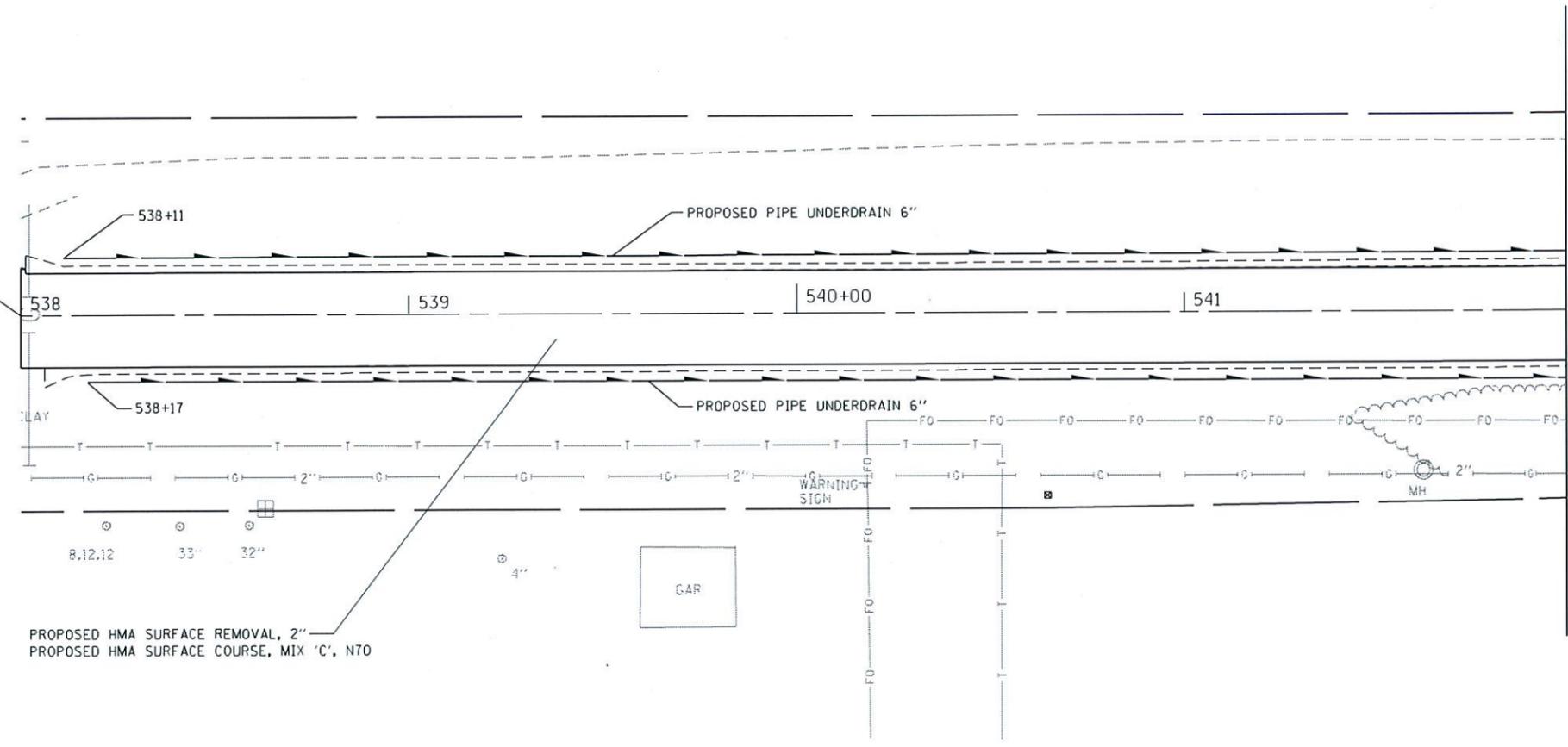
40600275 - BITUMINOUS MATERIALS (PRIME COAT) (POUND)						
STA	TO	STA	WIDTH (FT)	AREA (SQ FT)	POUNDS	
538+00	TO	548+10	24	24240	1212	
TOTAL					1212	

44000157 - HMA SURFACE REMOVAL, 2" (SQ YD)					
STA	TO	STA	WIDTH (FT)	AREA (SQ YDS)	
538+00	TO	548+10	24	2693	
TOTAL				2693	

78009005 - MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (FOOT)						
STA	TO	STA	DUAL YELLOW	WHITE EDGE LINE	LENGTH	
538+00	TO	548+10	2020	2020	4040	
TOTAL					4040	



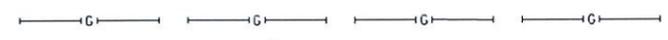
BEGIN RESURFACING PROJECT  
STA. 538+00.00



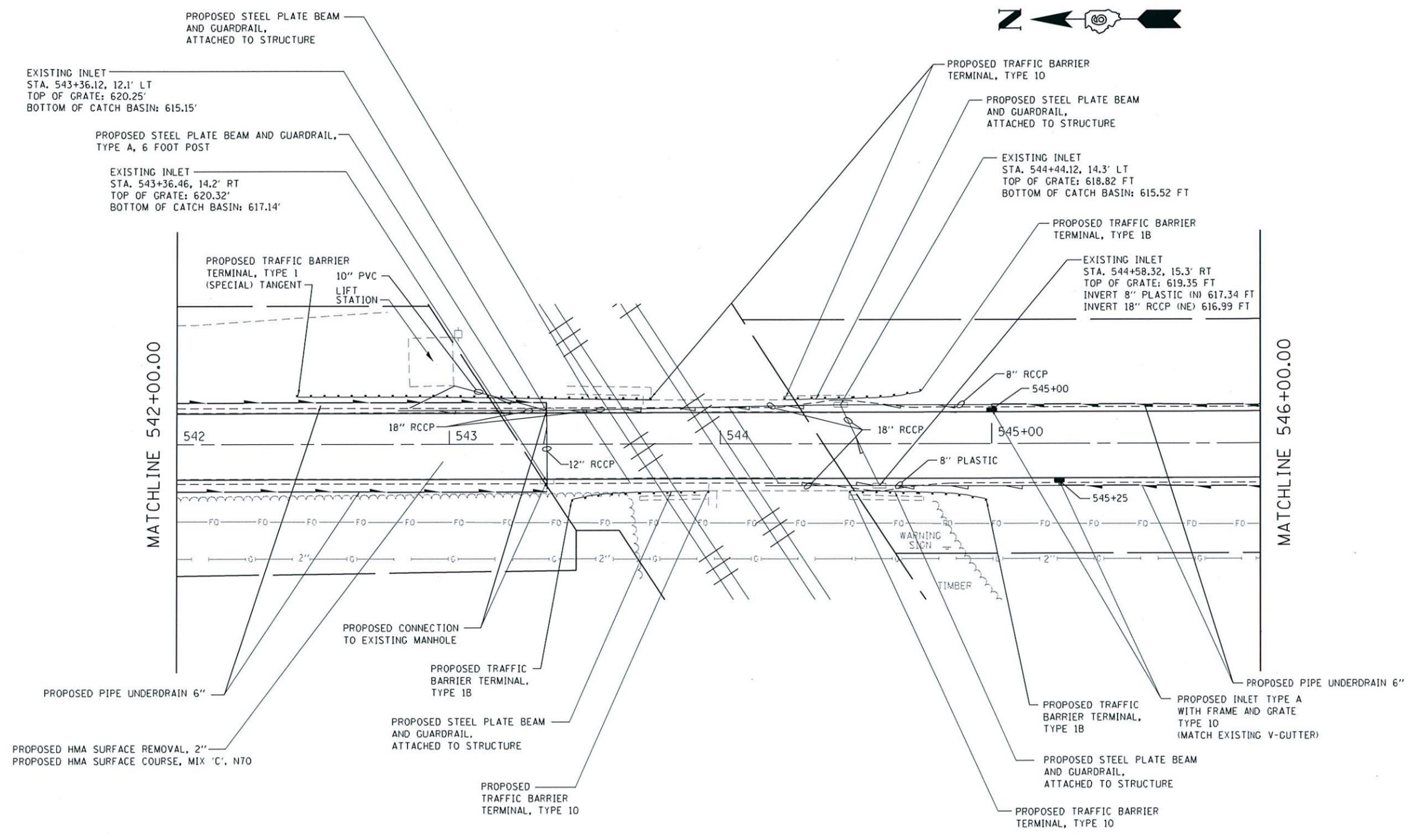
MATCHLINE 542+00.00

PROPOSED HMA SURFACE REMOVAL, 2"  
PROPOSED HMA SURFACE COURSE, MIX 'C', N70

GAR



FILE NAME =	USER NAME = Verenskifa	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEETS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = Apr-01-2015 01:25:15PM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

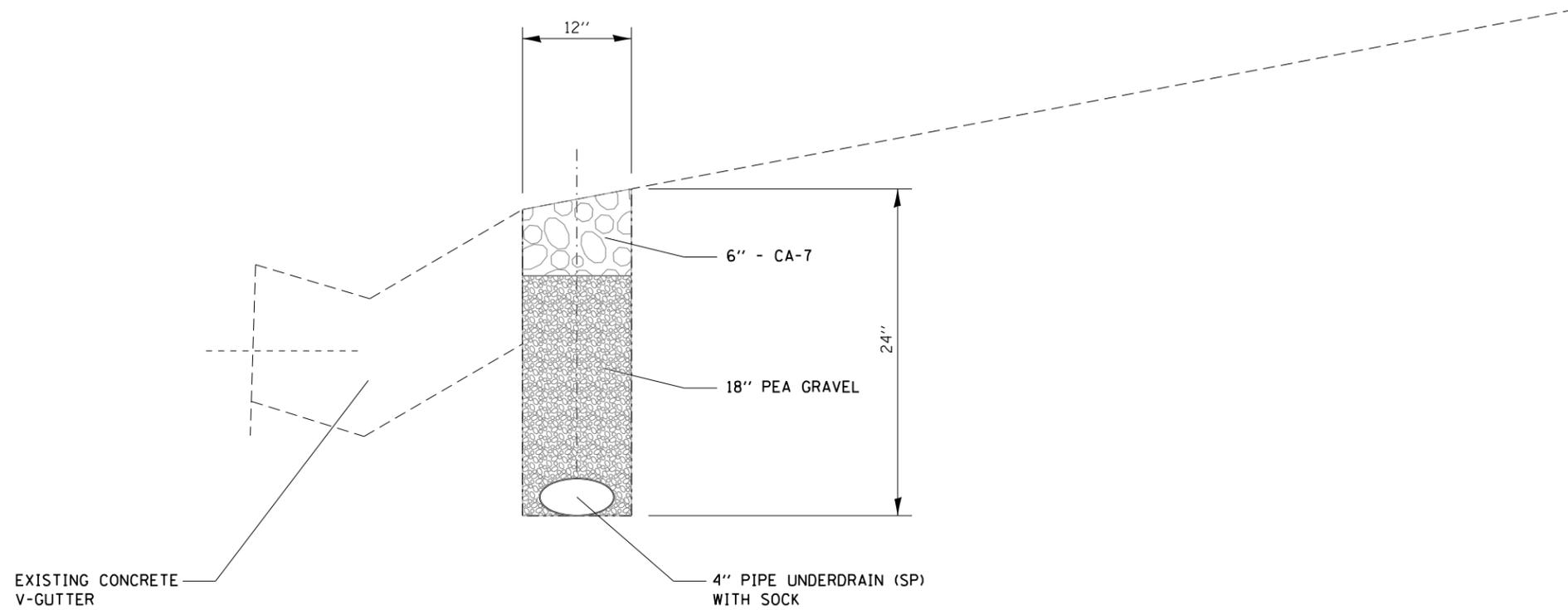


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ci:\pwork\p\dot\varenkifa\40422229\072H62-sht-Pln.dgn		DRAWN -	REVISED -					320	(134)T	LOGAN	10	7
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	PLOT DATE = Apr-01-2015 01:25:01PM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



LOCATIONS:

STA 538+17 TO 543+36 RT  
 STA 545+25 TO 547+95 RT  
 STA 538+11 TO 543+36 LT  
 STA 545+00 TO 547+93 LT



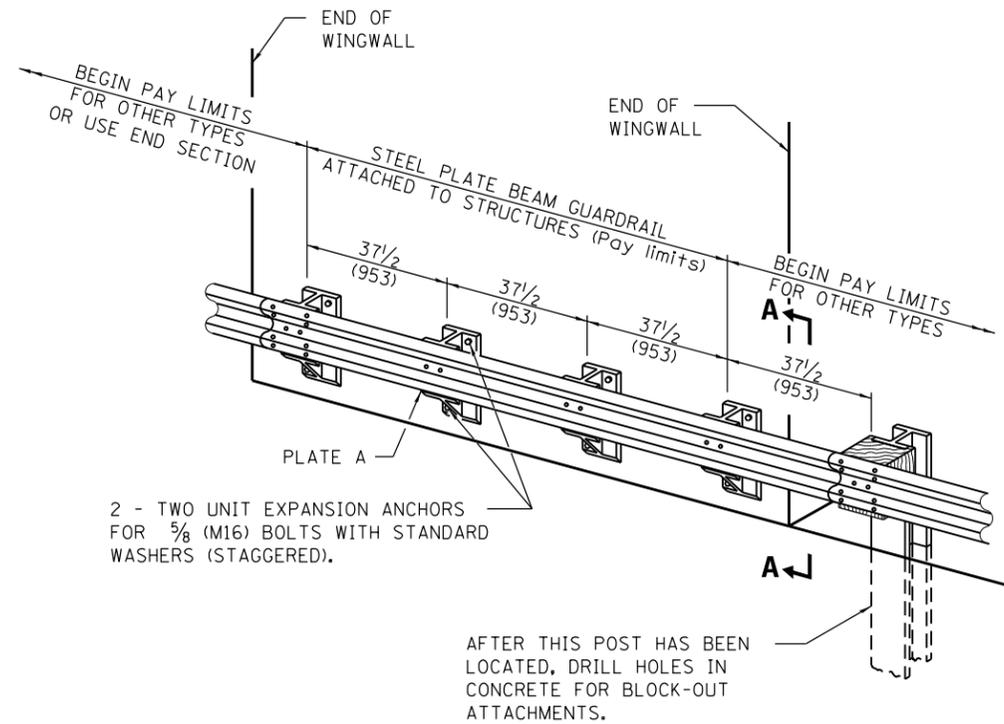
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

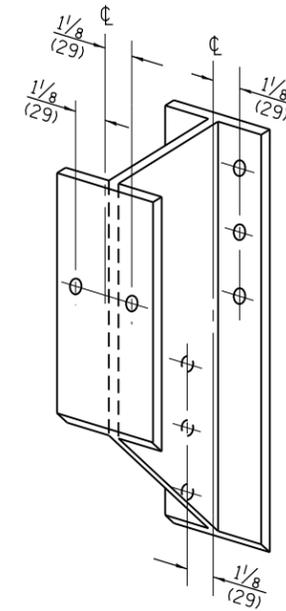
PIPE UNDERDRAIN, 4" (SPECIAL) DETAIL SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

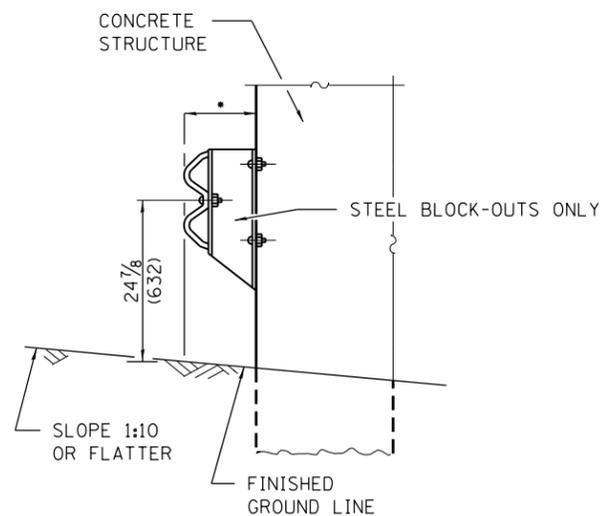
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134)T	LOGAN	10	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72H62	



**ATTACHED TO STRUCTURES**  
37 1/2 (953) BLOCK-OUT SPACING

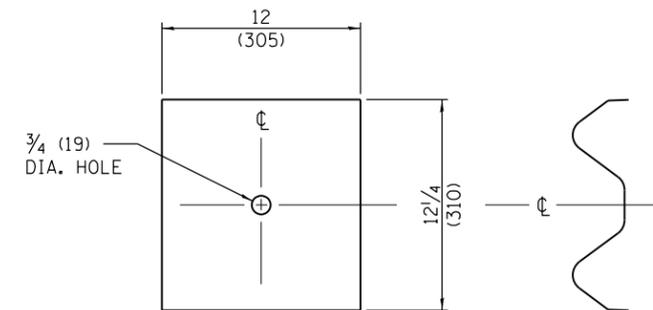


**STEEL BLOCK-OUT DETAIL**



**SECTION A-A**

• TO BE DETERMINED IN THE FIELD (SHALL BE MOUNTED FLUSH WITH PROPOSED TRAFFIC BARRIER TERMINAL, TYPE 10)



NOTE  
PLATE A SHALL BE PLACED BETWEEN RAIL ELEMENT AND BLOCK-OUT AT NON-SPLICE MOUNTING POINTS ONLY WHEN STEEL BLOCK-OUTS ARE USED.

**PLATE A**

**NOTES:**

1. THESE DETAILS ARE PROVIDED FOR INFORMATION ONLY FOR STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURE.
2. ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
3. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
4. SEE STANDARD 630001-10 FOR REMAINING DETAILS.

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SPBGR ATTACHED TO STRUCTURE DETAIL SHEET</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\idot\sparksgw\0422229\0672H62-sht-details.dgn	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -						320	(134)T	LOGAN	10	10
Default	PLOT DATE = Feb-06-2015 07:36:59AM	CHECKED -	REVISED -		CONTRACT NO. 72H62				ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		