

PROJECT ENGINEER - REBECCA MARRUFFO

PROJECT MANAGER - BRAD CUSHMAN (815)284-5996

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	15T-1	WHITESIDE	17	1
		ILLINOIS	CONTRACT NO. 64F35	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 22 (IL 78)
SECTION 15T-1
PROJECT ACF-0022(077)

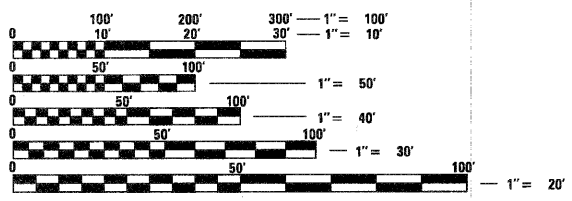
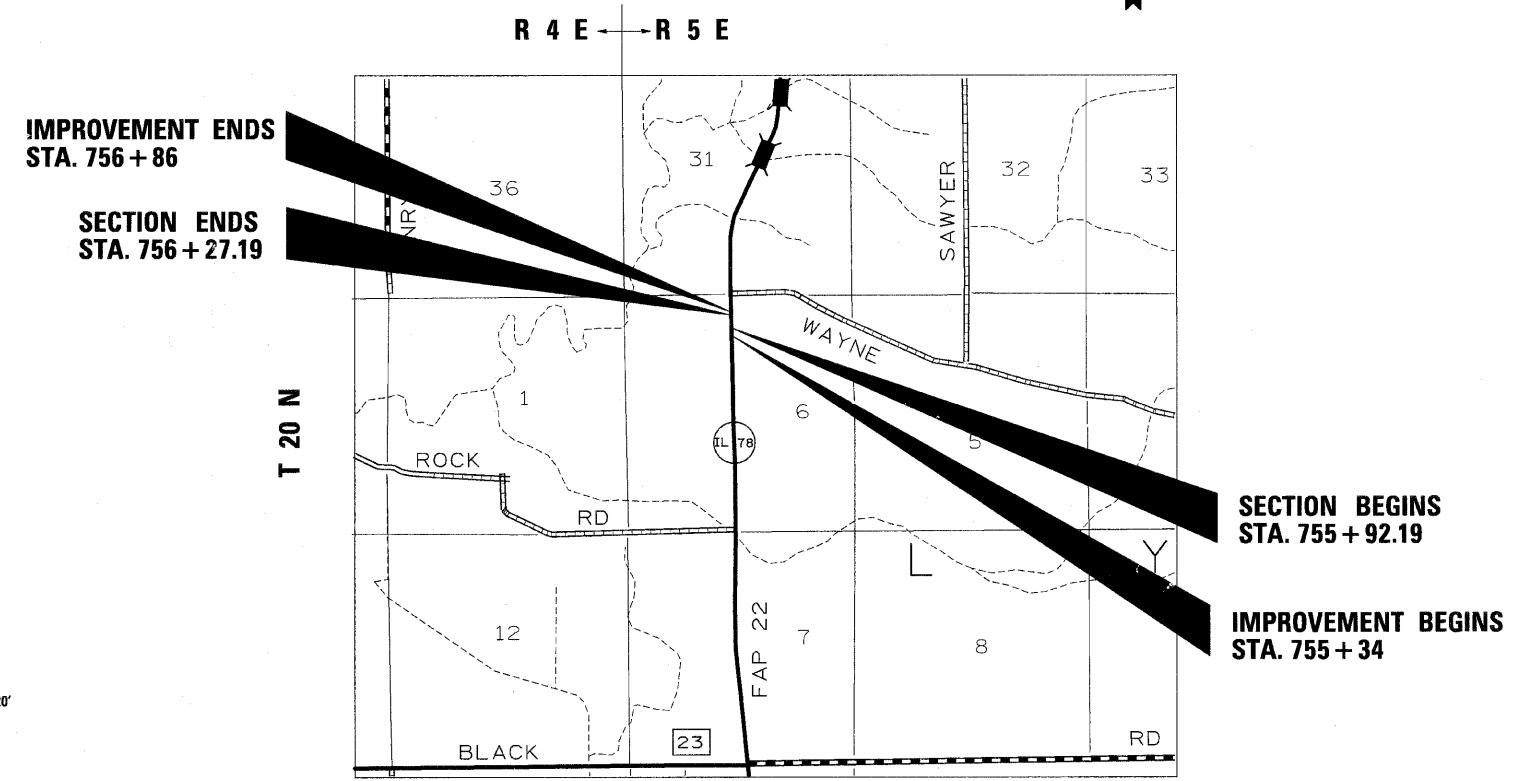
WHITESIDE COUNTY
C-92-094-10

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STATE STANDARDS

- 280001-05 TEMPORARY EROSION CONTROL SYSTEMS
- 442201-03 CLASS C AND D PATCHES
- 542301-02 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 635001-01 DELINEATORS
- 666001-01 RIGHT-OF-WAY MARKERS
- 701001-02 TYPICAL APPLICATION OF TRAFFIC CONTROL STANDARD
- 701006-03 TYPICAL APPLICATION OF TRAFFIC CONTROL STANDARD
- 701201-03 TYPICAL APPLICATION OF TRAFFIC CONTROL STANDARD
- 701301-03 TYPICAL APPLICATION OF TRAFFIC CONTROL STANDARD
- 701901-01 TRAFFIC CONTROL DEVICES
- 720011-01 METAL POST FOR SIGNS, MARKERS AND DELINEATORS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
- 780001-02 TYPICAL PAVEMENT MARKINGS



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

LYNDON TOWNSHIP, SECTION 6

GROSS LENGTH = 35 FT. = 0.01 MILE
NET LENGTH = 35 FT. = 0.01 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED June 24 2010
George F. Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

August 13 2010
Scott E. Still, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

August 13 2010
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

CONTRACT NO. 64F35

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES

ROADWAY
Y007
80% FED
20% STATE
TOTAL
QUANTITY

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	92
20400800	FURNISHED EXCAVATION	CU YD	11
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	640
* 25100630	EROSION CONTROL BLANKET	SQ YD	729
* 25100900	TURF REINFORCEMENT MAT	SQ YD	52
28000305	TEMPORARY DITCH CHECKS	FOOT	80
28000400	PERIMETER EROSION BARRIER	FOOT	385
28000500	INLET AND PIPE PROTECTION	EACH	1
28100107	STONE RIPRAP, CLASS A4	SQ YD	34
28200200	FILTER FABRIC	SQ YD	34
44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	94
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	150
50100300	REMOVAL OF EXISTING STRUCTURES NO.1	EACH	1
51500100	NAME PLATES	EACH	1
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	110
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	4
5421D018	PIPE CULVERTS, CLASS D, TYPE 1 18" (TEMPORARY)	FOOT	36
63500105	DELINEATORS	EACH	2
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	8
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	688
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

* SPECIALTY ITEM

WHITESIDE COUNTY SECTION 15T-1

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwork\pwork\cushmanbw\149475\12099901-sht-schedule.dgn	DRAWN -	REVISED -	22			15T-1	WHITESIDE	17	2	
PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 64F35							
PLOT DATE = Thu Jun 24 08:48:10 2010	DATE -	REVISED -	SCALE:			SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

GENERAL NOTES

See cross sections for special ditches and backslopes.

The final top 100 mm (four inches) of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils.

It is estimated that 11 cubic yards of earth will be hauled to the job from outside the project limits. A shrinkage factor of 25% has been used.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches. This work will be included in the contract unit price per Cubic Yard for EARTH EXCAVATION.

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the cost of EARTH EXCAVATION.

Mulch Method II shall be applied over all seeded areas. This shall be included in the cost of EARTH EXCAVATION.

Temporary Erosion Control Seeding shall be included in the cost of EARTH EXCAVATION.

Placement and compaction of the backfill for proposed across road culverts and existing across road culverts that are removed shall conform to Section 502.10 of the Standard Specifications, except that the material shall conform to Article 208.02 of the Standard Specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. Any material conforming to the requirements of Article 1003.04 or 1004.05 which has been excavated from the trenches shall be used for backfilling the trenches. The entire excavation, within 2 feet outside of each shoulder, shall be backfilled with trench backfill material to the bottom of the proposed subgrade. Impervious material shall be used on the outer 3 feet of each end of the culvert. This trench backfill material will not be measured for payment, but shall be included in the contract unit price for the class of concrete involved or other unit price item of the work for which it is required.

A Nationwide 404 Permit has been issued for this project and the conditions of that permit must be adhered to.

The new number for this structure will be 098-1055.

Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

All frames and grates of drainage structures to be removed or filled shall be carefully salvaged and shall remain the property of IDOT – Morrison Maintenance Yard. Contact Trent McKenna at 815/535-6309.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted.

Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1.6 Km (1 mile) or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 1 Each.

Permanent Survey Markers, Type II shall be cast-in-place as shown on District Standard 66.2. The bottom of the marker shall be 5'-0" below the ground surface.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The horizontal and vertical coordinates must be derived by GPS and the elevation derived by a closed level circuit. The Engineer shall submit this information to the Survey Crew.

Right-of-way markers will be erected with the back face of the marker on the right-of-way line unless the new right-of-way line has been surveyed and pinned, in which instance the right-of-way markers will be erected 300 mm (12 inches) inside the new right-of-way line.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Commonwealth Edison Co
Attn.: Mr. Michael Lenox 815/490-2869

Frontier/Citizens
Attn: Mr. David Day 815/493-1101

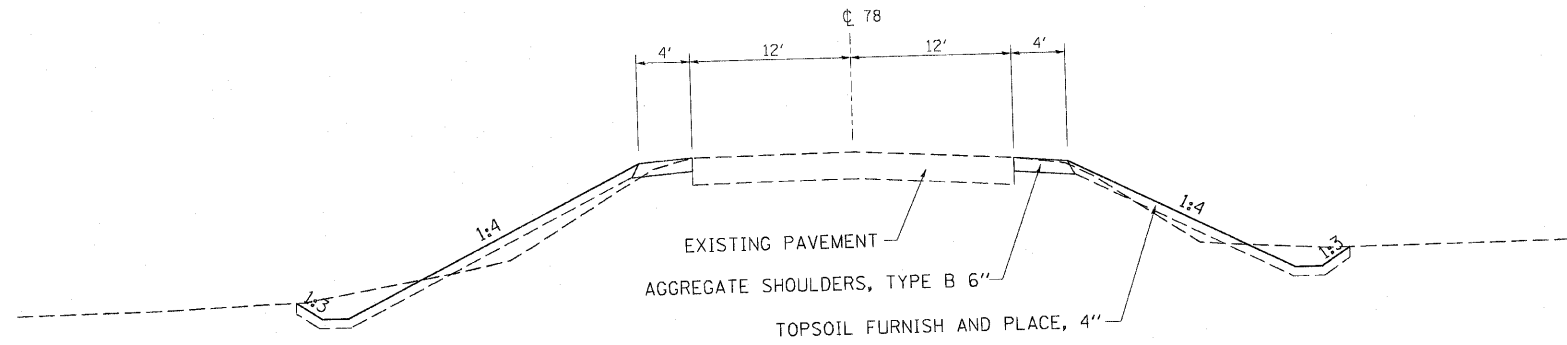
Mediacom
Attn: Mr. Matt Forgas 630/365-0045

CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

FILE NAME = 64F35.GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			FAP 22	15T-1	Whiteside	17	3
	PLOT SCALE =	CHECKED -	REVISED -			(IL 78)		CONTRACT NO. 64F35		
	PLOT DATE = 9/24/2010 9:03 AM	DATE = 11/18/2009 9:06 AM	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS	FED. AID PROJECT

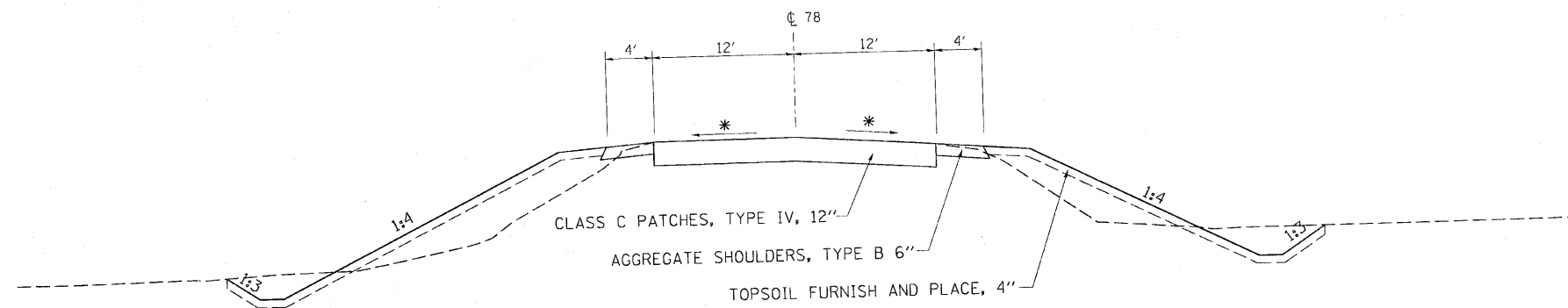
TYPICAL SECTIONS

STA. 755+34 - 755+92.19
 STA. 756+27.19 - 756+86



STA. 755+92.19 - 756+27.19

* MATCH EXISTING CROSS SLOPE



FILE NAME =
 c:\pwwork\pwwork\cushnerba\d2145475\0209921-shr-topsoil.l.dgn

USER NAME = cushnerba
 PLOT SCALE = 20.0000' / IN.
 PLOT DATE = Thu Jun 24 08:41:07 2010

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

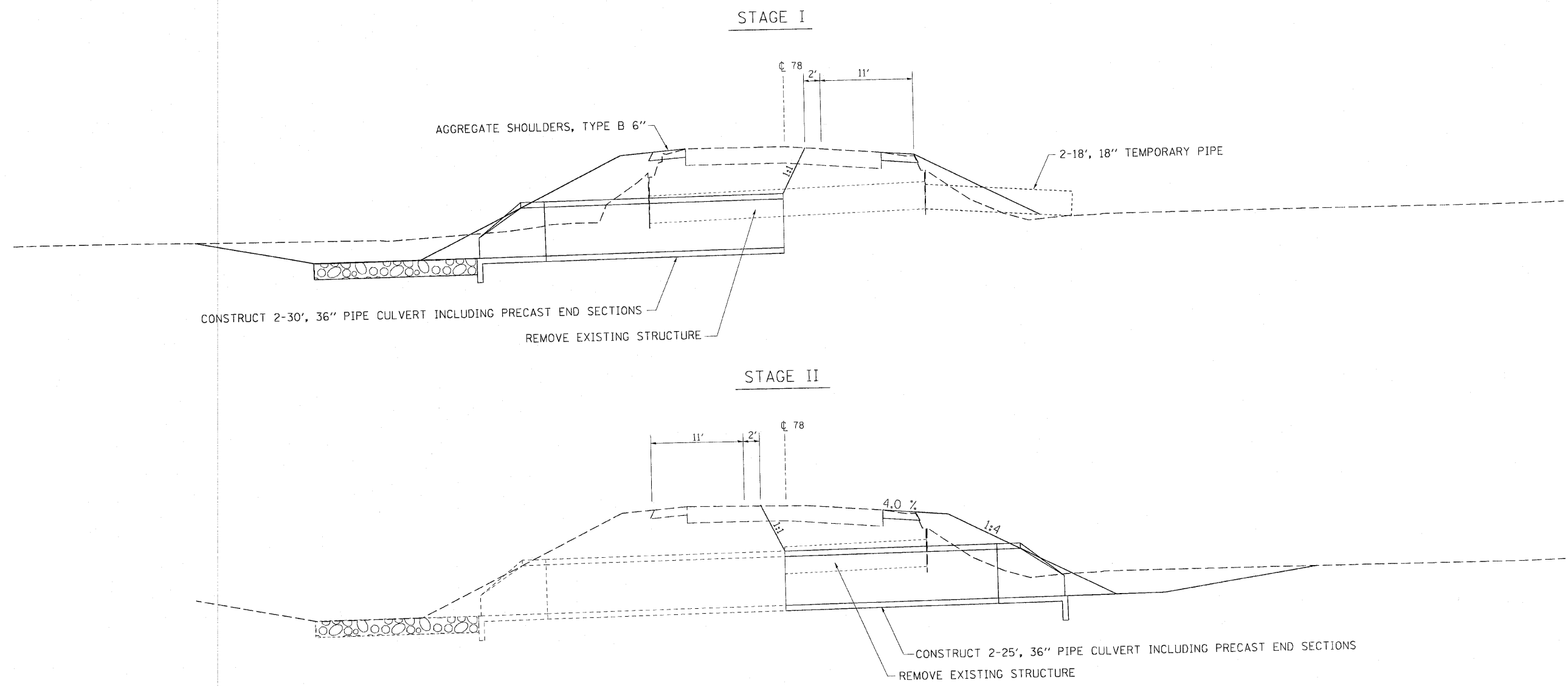
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	15T-1	WHITESIDE	17	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64F35	

STAGING TYPICAL

GENERAL NOTES:

1. CONSTRUCT 4' AGGREGATE SHOULDER RT AND INSTALL 18" TEMPORARY PIPE PRIOR TO OPENING STAGE I TO TRAFFIC.
2. ONCE STAGE I AND II ARE COMPLETED THE CLASS C PATCH MUST BE COMPLETED THE FOLLOWING DAY.
3. OVERNIGHT SIGNING SHALL CONSIST OF "ROAD CONSTRUCTION AHEAD", "LOOSE GRAVEL" W8-7(0)48 & 35 mph ADVISORY PLATE AT 500 FT SPACINGS WITH FLASHERS PLACED ON THE SIGNS.



FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING TYPICAL	F.A.P. RTE. = 22	SECTION = 1ST-1	COUNTY = WHITESIDE	TOTAL SHEETS = 17	SHEET NO. = 5
	CONTRACT NO. 64F35	SCALE: SHEET NO. OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT							
PLT SCALE = 20.0000' / IN.	PLT DATE = Thu Jun 24 264302 2010	DRAWN -	REVISED -							
		CHECKED -	REVISED -							
		DATE -	REVISED -							

SCHEDULE OF QUANTITIES

20400800 FURNISHED EXCAVATION
 LOCATION
 STA 755+34 TO 756+86 LT & RT

CU YD
 11.00
 TOTAL 11

21101615 TOPSOIL FURNISH AND PLACE, 4"
 LOCATION
 STA 755+34 TO 756+86 LT & RT

SQ YD
 640.00
 TOTAL 640

25100630 EROSION CONTROL BLANKET
 LOCATION
 STA 755+34 TO 756+86 LT
 STA 755+34 TO 756+86 RT

SQ YD
 368.00
 361.00
 TOTAL 729

25100900 TURF REINFORCEMENT MAT
 LOCATION
 STA 756+10 RT

SQ YD
 52
 TOTAL 52

28000300 TEMPORARY DITCH CHECKS
 LOCATION
 STA 755+75 LT & RT
 STA 756+00 LT & RT
 STA 756+25 LT & RT
 STA 756+50 LT & RT

FOOT
 20
 20
 20
 20
 TOTAL 80

28000400 PERIMETER EROSION BARRIER
 LOCATION
 STA 755+34 TO 756+86 LT
 STA 755+34 TO 756+86 RT

FOOT
 185
 200
 TOTAL 385

28000500 INLET AND PIPE PROTECTION
 LOCATION
 STA 756+10 RT

EACH
 1
 TOTAL 1

28100107 STONE RIPRAP, CLASS A4
 LOCATION
 STA 756+10 RT 15' X 20'

SQ YD
 34
 TOTAL 34

28200200 FILTER FABRIC
 LOCATION
 STA 756+10 RT 15' X 20'

SQ YD
 34
 TOTAL 34

44201383 CLASS C PATCHES, TYPE IV, 12 INCH
 LOCATION
 STA 755+92.19 TO 756+27.19

SQ YD
 94
 TOTAL 94

48101500 AGGREGATE SHOULDERS, TYPE B 6"
 LOCATION
 STA 755+34 TO 756+86 LT & RT

SQ YD
 150
 TOTAL 150

50100300 REMOVAL OF EXISTING STRUCTURES NO. 1
 LOCATION
 STA 756+10

EACH
 1
 TOTAL 1

51500100 NAME PLATES
 LOCATION
 STA 756+10

EACH
 1
 TOTAL 1

542A1081 PIPE CULVERTS, CLASS A, TYPE 2 36"
 LOCATION
 STA 756+10

FOOT
 110
 TOTAL 110

54213681 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"
 LOCATION
 STA 756+10 LT & RT

EACH
 4
 TOTAL 4

5421D018 PIPE CULVERTS, CLASS D, TYPE 1, 18" (TEMPORARY)
 LOCATION
 STA 756+10 RT 2 PIPES AT 18' EACH

FOOT
 36
 TOTAL 36

63500105 DELINEATORS
 LOCATION
 STA 756+10 LT & RT

EACH
 2
 TOTAL 2

66600105 FURNISHING AND ERECTING RIGHT-OF-WAY-MARKERS
 LOCATION

STA 755+30.00 33' LT & R
 STA 755+95.00 75' LT
 STA 755+95.00 70' RT
 STA 756+25.00 75' LT
 STA 756+25.00 70' LT
 STA 756+85.00 33' LT & RT

EACH
 2
 1
 1
 1
 1
 2
 TOTAL 8

66700305 PERMANENT SURVEY MARKERS, TYPE II
 LOCATION
 TO BE DETERMINED BY ENGINEER

EACH
 1
 TOTAL 1

78001110 PAINT PAVEMENT MARKING - LINE 4"
 LOCATION
 STA 755+34 TO 756+86 WHITE EOP (2 Apl.)
 STA 755+34 TO 756+86 YELLOW SKIP DASH (2 Apl.)

FOOT
 608
 80
 TOTAL 688

HORIZONTAL & VERTICAL CONTROL

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
10	1853659.9354	2350425.2389	625.7150	IL78	752+44.1062	22.396' LT	GPS CONTROL POINT
11	1854093.9185	2350467.7284	623.6570	IL78	756+78.2539	17.9446' RT	GPS CONTROL POINT
907113	1859455.7612	2350956.5805	624.5799	IL78	OUT OF CHAIN	-----	GPS CONTROL POINT

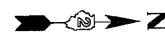
SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	1854215.4767	2347613.5982	609.7669	IL78	757+44.1085	2837.9037' LT	TRAVERSE STATION
101	1855037.3647	2347647.4322	608.8591	IL78	765+50.0214	2824.5504' LT	TRAVERSE STATION
102	1854266.0490	2347843.0610	610.3200	IL78	757+92.6299	2609.5411' LT	TRAVERSE STATION

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
400	1855993.0483	2350706.4254	624.5820	IL78	776+24.1458	18.2386' RT	BOLT
401	1854184.3744	2350483.2584	625.6460	IL78	757+69.0978	31.8006' RT	NAIL

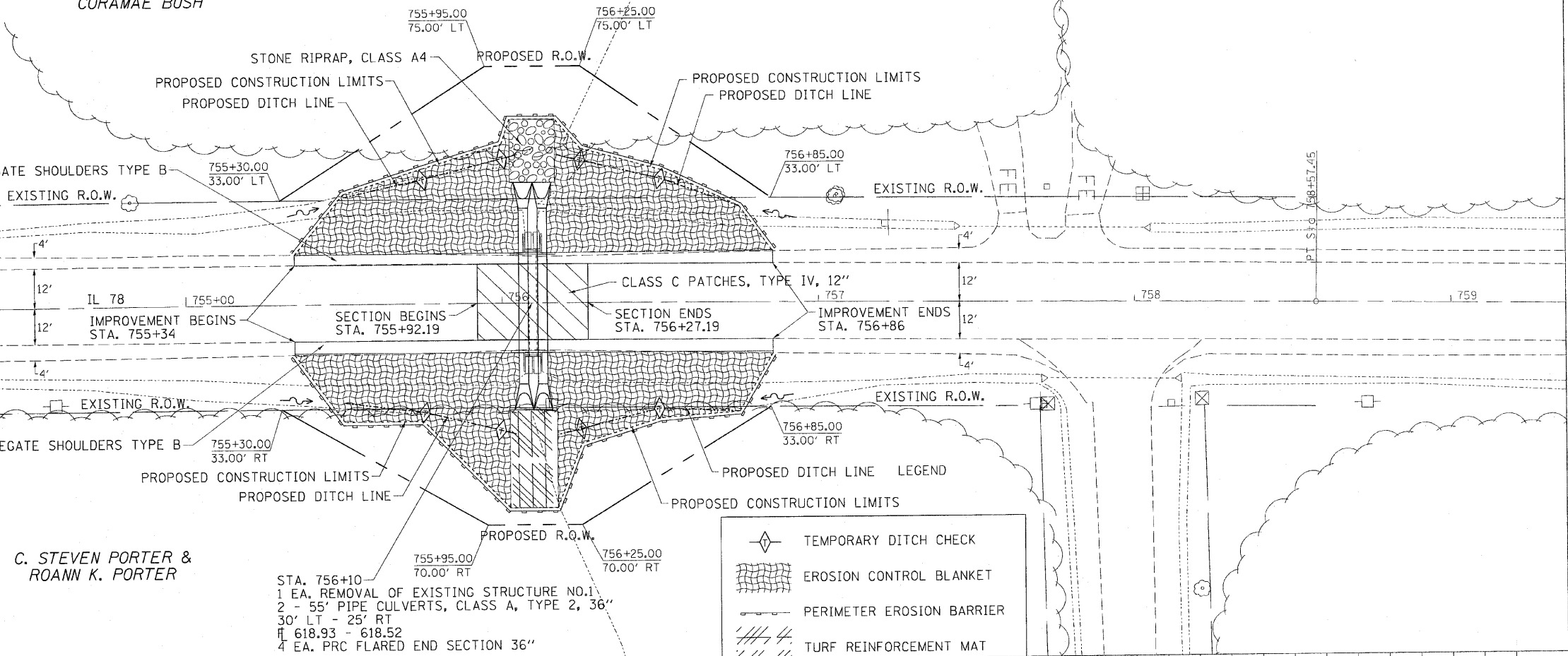
REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	IL78	756+15.8987	31.9471' RT	POWER POLE
501	IL78	757+68.5742	32.3148' RT	POWER POLE
502	IL78	757+05.2238	33.2792' LT	TREE DECIDUOUS
503	IL78	752+60.1907	31.3872' LT	TELEPHONE SPLICE BOX
504	IL78	753+18.6637	28.954' RT	POWER POLE
505	IL78	751+55.2565	30.1332' RT	POWER POLE WITH TRANSFORMER

APPARENT PROPERTY AND SECTION CORNERS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
700	1843643.8446	2347990.8564	598.3752	IL78	655+10.0483	2823.1764' LT	SECTION CORNER
701	1843671.0927	2350581.6728	622.2363	IL78	652+66.3421	243.7037' LT	SECTION CORNER
702	1843700.2784	2353226.9029	631.6313	IL78	650+18.8754	2390.0872' RT	SECTION CORNER
703	1848948.6046	2347990.5282	610.2108	IL78	705+53.5174	2551.4225' LT	SECTION CORNER
704	1848989.2922	2353185.7901	617.4598	IL78	705+49.0866	2643.9968' RT	SECTION CORNER
705	1851612.1336	2350502.0871	625.1964	IL78	731+95.4318	8.3645' LT	SECTION CORNER
712	1859429.3639	2347960.5158	618.9686	IL78	811+89.8084	3669.2496' LT	SECTION CORNER
713	1859427.8080	2347960.2605	619.0019	IL78	811+88.2496	3669.4864' LT	SECTION CORNER
714	1859389.9278	2342708.4661	655.0546	IL78	773+50.7220	8666.8384' LT	SECTION CORNER
751	1856904.9462	2358383.4678	642.9735	IL78	799+54.3228	6923.287' RT	QUARTER CORNER
752	1856905.5876	2358385.0886	642.1659	IL78	799+54.4579	6924.7657' RT	QUARTER CORNER
753	1854260.9157	2358415.4848	649.9595	IL78	789+76.8126	7750.8726' RT	SECTION CORNER
754	1854260.8924	2358389.9615	647.3145	IL78	789+74.0805	7727.3087' RT	SECTION CORNER
755	1856852.4030	2353091.9342	629.0564	IL78	792+41.4008	1852.311' RT	QUARTER CORNER
756	1843652.4478	2345378.2004	599.2053	IL78	657+91.6921	5420.6217' LT	SECTION CORNER
757	1843665.6671	2342765.6560	599.2621	IL78	660+77.9151	8017.4735' LT	SECTION CORNER
760	1848934.2338	2340136.3945	597.5715	IL78	706+07.3544	10405.3848' LT	QUARTER CORNER
761	1848943.0871	2342742.6716	593.8929	IL78	705+93.5738	7799.1291' LT	QUARTER CORNER
763	1848941.5759	2342744.7914	594.0510	IL78	705+92.0443	7797.0225' LT	SECTION CORNER
766	1850426.2003	2342736.2072	618.4521	IL78	720+76.6872	7792.7136' LT	PROPERTY CORNER
767	1851199.1843	2341427.9603	614.0962	IL78	730+76.1933	9091.3067' LT	PROPERTY CORNER
768	1851218.0084	2341454.7773	609.6106	IL78	731+09.8528	9063.8793' LT	PROPERTY CORNER
769	1851567.3656	2342712.1041	607.0019	IL78	734+18.8900	7795.2706' LT	PROPERTY CORNER
773	1846330.6590	2351883.5778	624.7203	IL78	678+58.2459	1314.7785' RT	1/16TH CORNER
779	1853046.5483	2354475.3554	657.4036	IL78	744+92.2013	4011.9334' RT	1/16TH CORNER
791	1854175.8650	2348016.4190	612.4120	IL78	757+15.9080	2434.4091' LT	SECTION CORNER
801	1855505.7635	2350451.3608	637.3747	IL78	770+83.3656	44.918' LT	PROPERTY CORNER
802	1856439.3065	2350856.1847	622.9455	IL78	780+92.0434	33.2005' LT	PROPERTY CORNER

STA. 756 + 10 DOUBLE 36" PIPE CULVERT



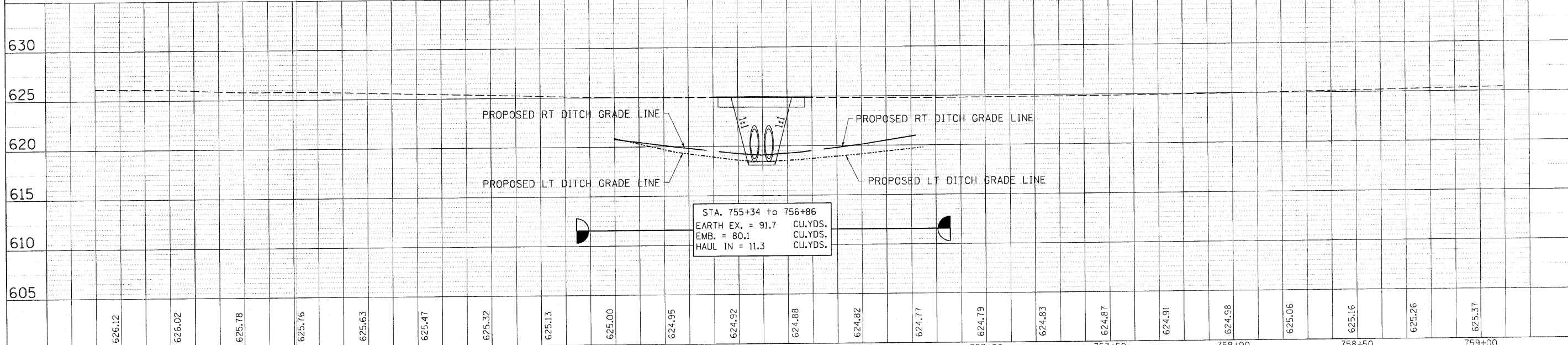
DONALD BUSH &
CORAMAE BUSH



C. STEVEN PORTER &
ROANN K. PORTER

STA. 756+10
1 EA. REMOVAL OF EXISTING STRUCTURE NO. 1
2 - 55' PIPE CULVERTS, CLASS A, TYPE 2, 36"
30' LT - 25' RT
E 618.93 - 618.52
4 EA. PRC FLARED END SECTION 36"

	TEMPORARY DITCH CHECK
	EROSION CONTROL BLANKET
	PERIMETER EROSION BARRIER
	TURF REINFORCEMENT MAT




STA. 755+34 to 756+86
EARTH EX. = 91.7 CU.YDS.
EMB. = 80.1 CU.YDS.
HAUL IN = 11.3 CU.YDS.

DATE	
BY	
PLAN	
SURVEYED	
NOTED	
ALIGNED	
CHECKED	
DATE	
FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
NOTED	
PLOTTED	
CHECKED	
DATE	
FILE NAME	

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STA. 756 + 10 DOUBLE 36" PIPE CULVERT	F.A.P. RTE. = 22	SECTION = 151-1	COUNTY = Whiteside	TOTAL SHEETS = 17	SHEET NO. = 9		
ct:\pwwork\pwwork\cushmanbw\d0149475\02209809-sht-plnprf.dgn	PLANT SCALE = 20.0000' / 1"	DRAWN -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			
	PLANT DATE = Thu Jun 24 20:46:30 2010	CHECKED -	REVISED -									
		DATE -	REVISED -									

BORING LOGS



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1
Date 3/23/10

ROUTE FAP 22 DESCRIPTION C-92-094-10 IL 78 Box Culvert, .1 m. S. of Wayne Road LOGGED BY W. Garza

SECTION 15T-1 LOCATION Lyndon Twp. - 6NW, SEC. , TWP. 20N, RNG. 5E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic


STRUCT. NO. _____
Station 756+10

BORING NO. B-1
Station 756+00
Offset 13.00ft Rt CL
Ground Surface Elev. 99.30 ft

DEPTH (ft)	BLOW COUNT (blows/6")	UNIFORMITY COEFFICIENT (tsf)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/6")	UNIFORMITY COEFFICIENT (tsf)	MOISTURE (%)	SPT (N)
97.30	1			SOFT brown LOAM	77.80	6			
95.80	2 3	0.3 P	19.0	SOFT gray SILTY CLAY	75.80	2 3	0.4 B	30.0	
93.30	3 5	0.6 B	37.0	MEDIUM brown SILTY CLAY LOAM	73.30	1 3 4			
90.80	2 3 5		25.0	SOFT brown SILTY CLAY LOAM	70.80	1 2 3			
87.80	2 4 7		22.0	STIFF light gray SILTY CLAY LOAM with fine SAND lens	68.30	2 3	0.5 P	28.0	
85.80	1 2 4		19.0	LOOSE gray fine SAND	65.80	1 3 4			
83.30	2 1 2			VERY LOOSE gray fine SAND	63.30	1 2 3			
80.80	0 0 1			VERY LOOSE tan fine SAND	60.80	1 2 4			
	2			End of Boring					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

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Page 1 of 1
Date 3/23/10

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COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. _____
Station 756+10

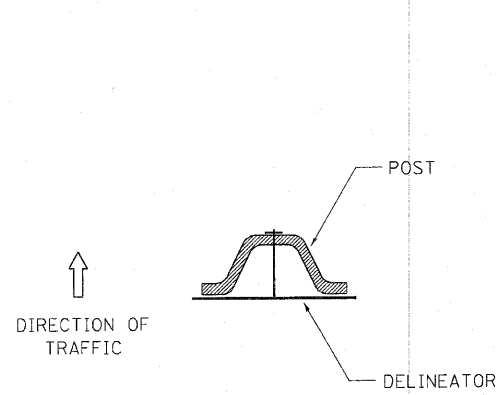
BORING NO. B-2
Station 756+18
Offset 13.00ft Lt CL
Ground Surface Elev. 99.80 ft

DEPTH (ft)	BLOW COUNT (blows/6")	UNIFORMITY COEFFICIENT (tsf)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/6")	UNIFORMITY COEFFICIENT (tsf)	MOISTURE (%)	SPT (N)
97.80				MEDIUM brown LOAM	78.80	1.8 P	20.0		
96.30	2 3	0.5 B	25.0	SOFT brown SILTY CLAY LOAM	76.30	2			
93.80	2 3	0.5 B	30.0	SOFT dark brown SILTY CLAY LOAM	73.30	2 3	0.5 B	30.0	
91.30	2 4	0.8 B	28.0	MEDIUM dark brown SILTY CLAY LOAM	71.30	1 3	0.8 P	33.0	
88.80	2 3	0.8 B	25.0	MEDIUM light gray SILTY CLAY LOAM	68.80	2 3	1.0 B	31.0	
85.80	1 3 4			LOOSE gray fine SAND	66.30	2 3 4			
83.80	0 3 5			LOOSE gray fine SAND	63.80	2 3 4	1.0 B	29.0	
81.30	0 0 1			VERY LOOSE tan fine SAND	61.30				
	0			End of Boring					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

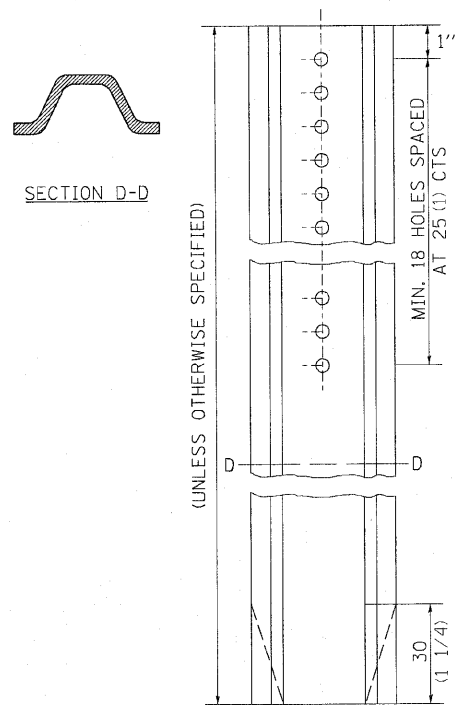
DELINEATOR AND POST ORIENTATION



DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

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

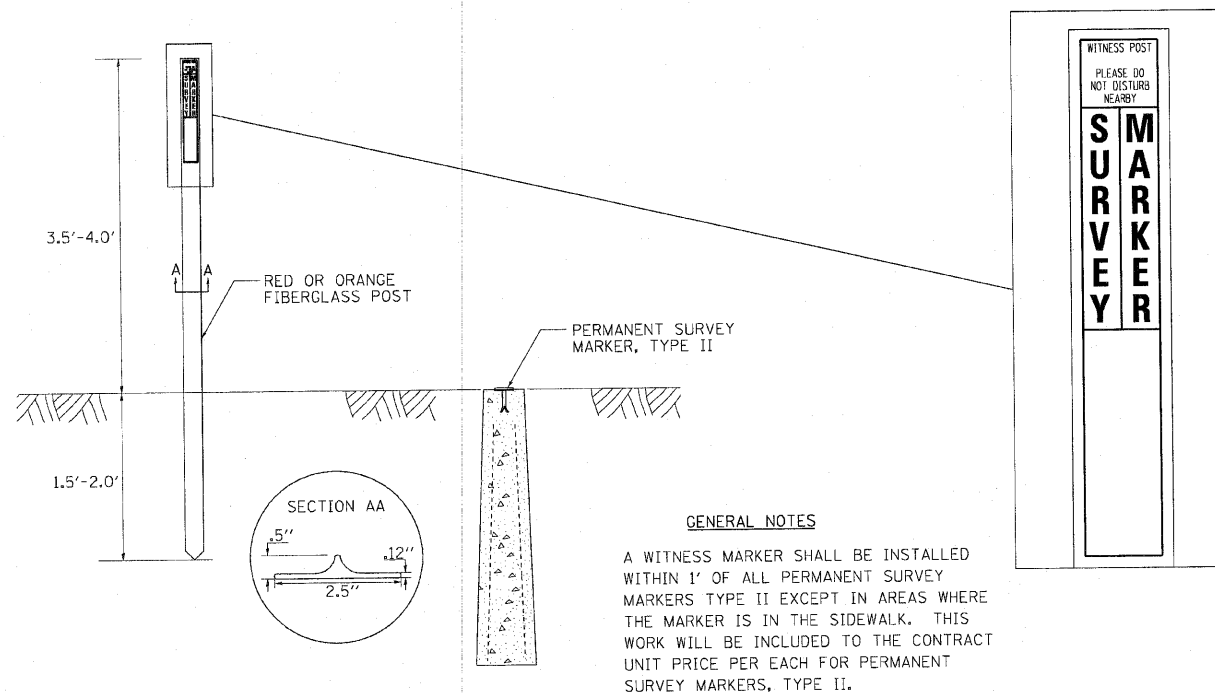
REVISED - 11-01-07



DELINEATOR AND POST ORIENTATION 37.4

REVISED -	REGION 2 / DISTRICT 2 STANDARD SCALE: 50.000' / IN SHEET NO. OF SHEETS STA. TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		22	151-1	WHITESIDE	17	11
REVISED -		CONTRACT NO. 64F35				
REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
REVISED -						

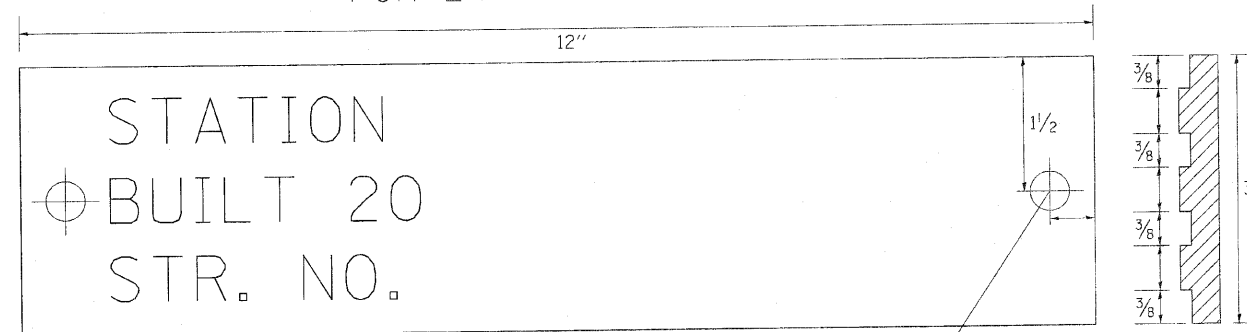
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



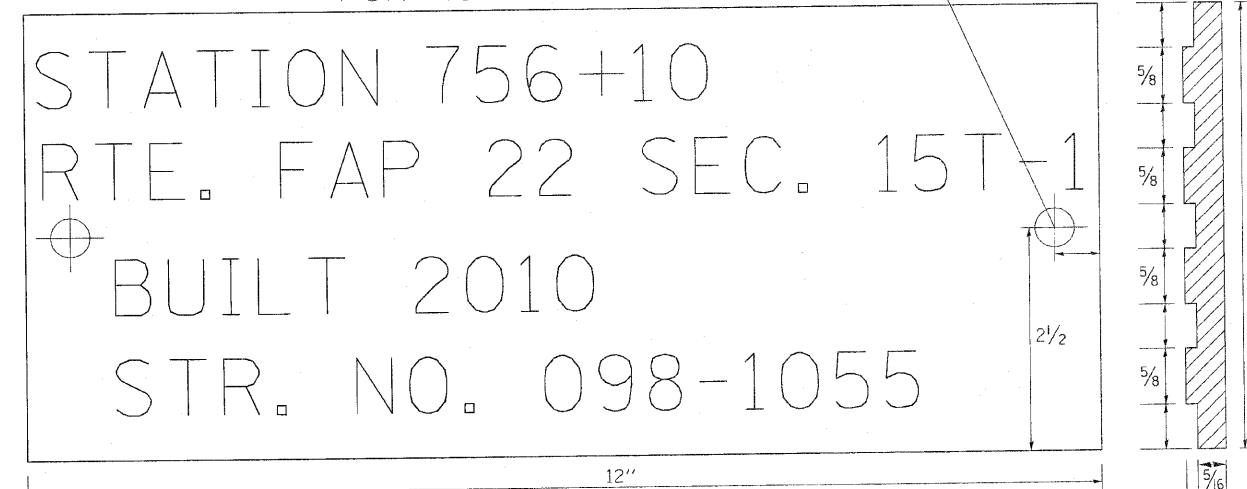
GENERAL NOTES
 A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

NAME PLATE FOR CULVERTS

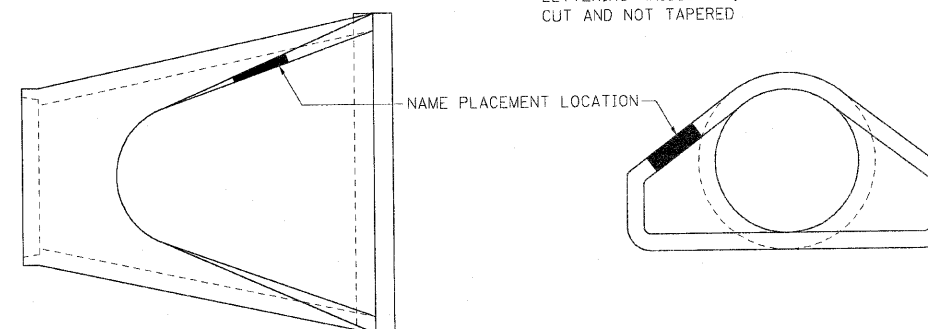
FOR 24"-42" PIPE CULVERTS



FOR 48"-84" PIPE CULVERTS



NOTE
 LETTERING RAISED 1/8, SQUARE CUT AND NOT TAPERED



DESIGNERS NOTE

NAME PLATES SHALL BE FURNISHED & INSTALLED ACCORDING TO SECTION 515 OF THE STANDARD SPECIFICATIONS, EXCEPT 2 BOLTS SHALL BE USE TO FASTEN THE PLATE TO THE END SECTION.

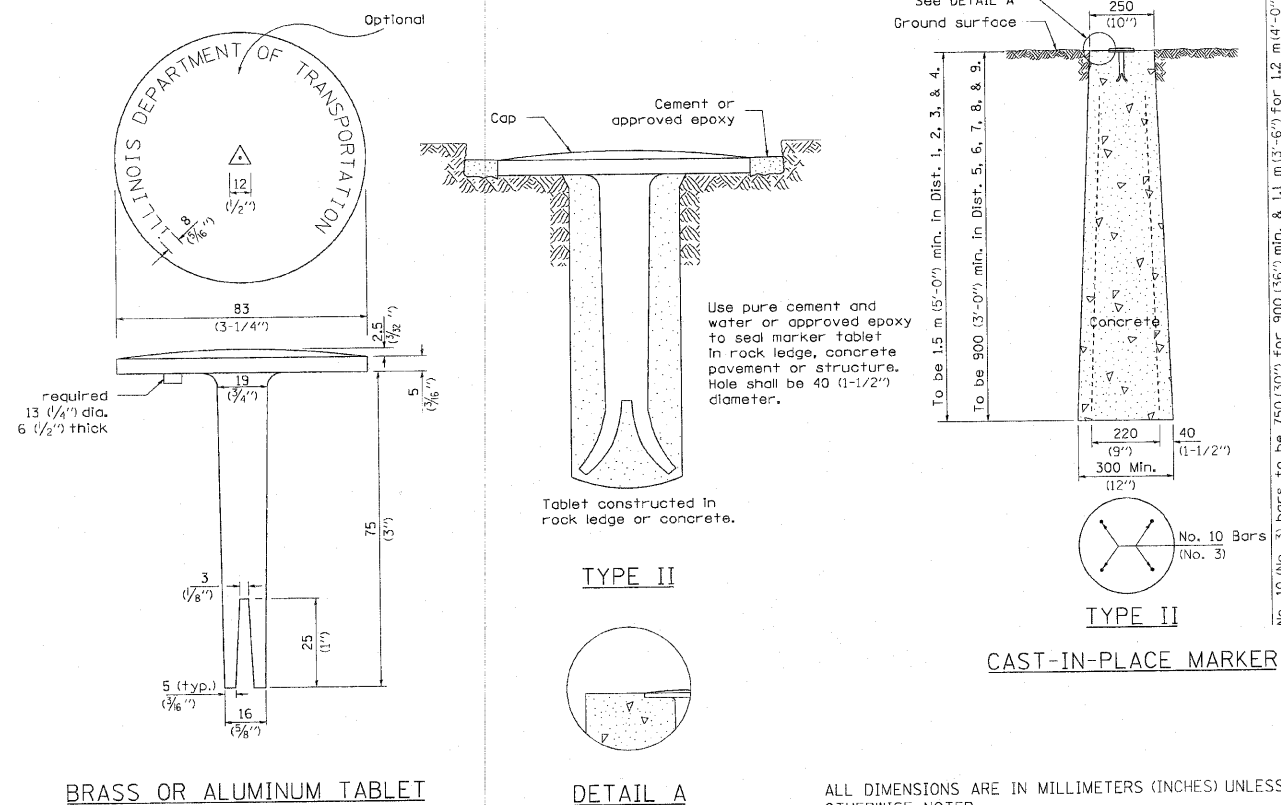
USE STANDARD 515001 FOR BRIDGES AND MULTI-CELL CULVERTS WITH SPANS OF 20' OR MORE MEASURED ALONG THE CENTERLINE AT THE HIGHWAY.

USE THIS DETAIL FOR ALL OTHER PIPE CULVERTS & BOX CULVERTS WITH STRUCTURE NUMBERS. INCLUDE THE INFORMATION TO FILL OUT THE NAME PLATE FOR EACH CULVERT.

IN BOTH CASES INCLUDE A PAY ITEM FOR NAME PLATES.

STATION	STRUCTURE NO.
STA. 756+10	098-1055

PERMANENT SURVEY MARKERS, TYPE II



Use pure cement and water or approved epoxy to seal marker tablet in rock ledge, concrete pavement or structure. Hole shall be 40 (1-1/2") diameter.

Tablet constructed in rock ledge or concrete.

CAST-IN-PLACE MARKER

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

REVISED - 10-21-08

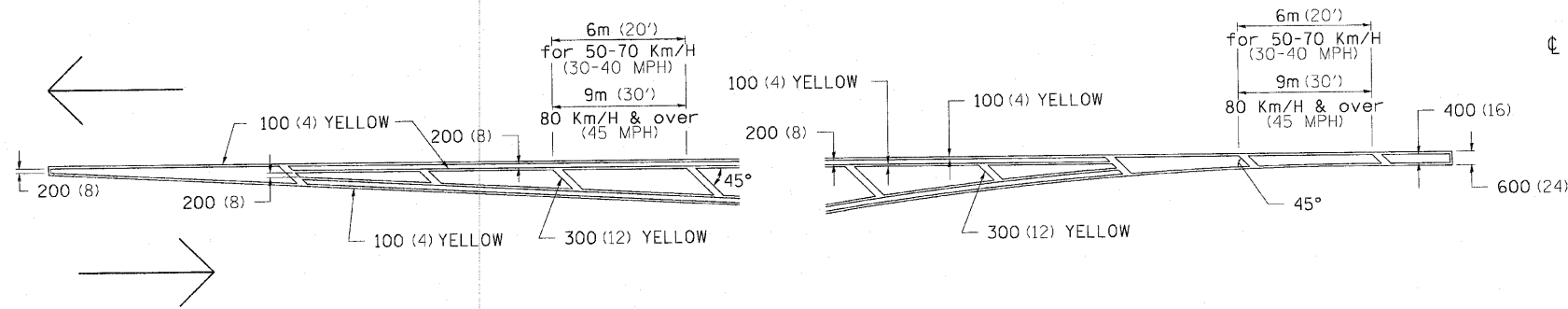
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REVISED - 5-27-09	REGION 2 / DISTRICT 2 STANDARD
REVISED -	
REVISED -	
REVISED -	

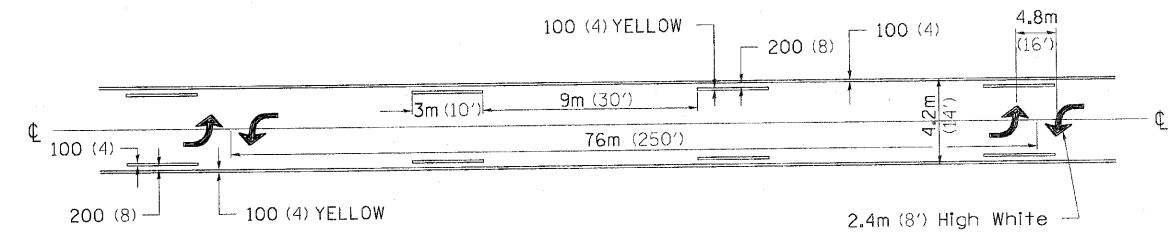
F.A.P. RTE. 22	SECTION 15T-1	COUNTY WHITESIDE	TOTAL SHEETS 17	SHEET NO. 12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64F35	

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

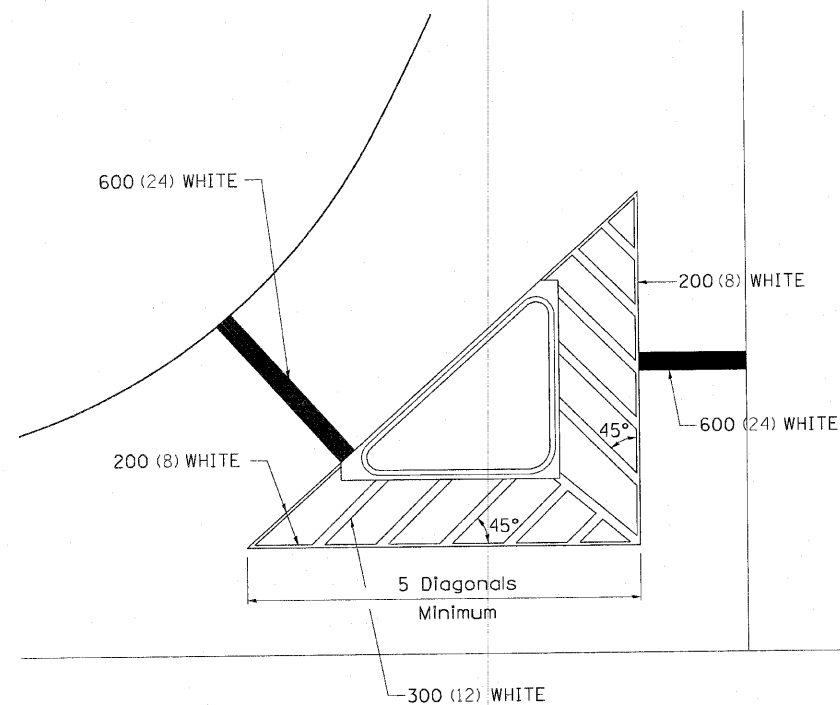


MEDIAN PAVEMENT MARKING

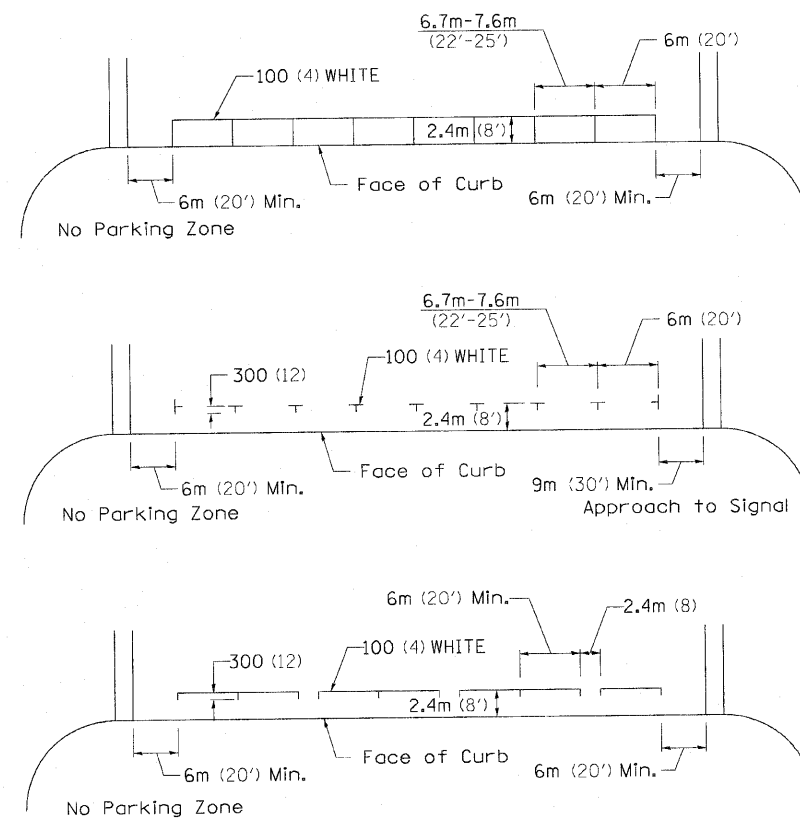


** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

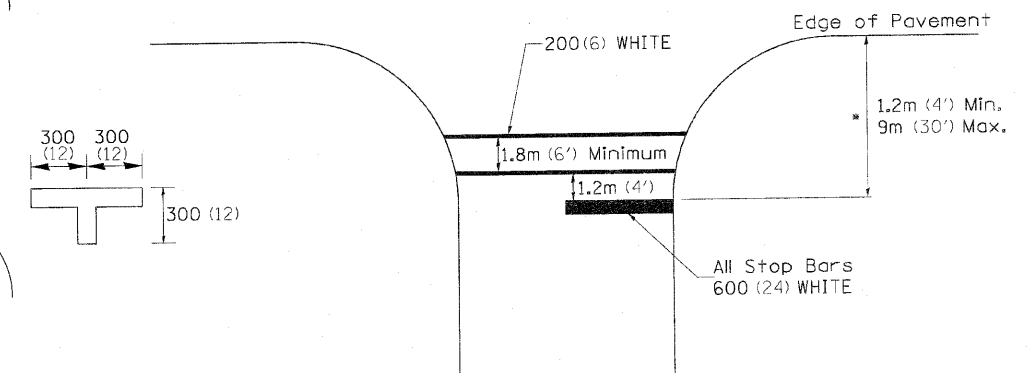


TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations



Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED - 10-21-08
c:\pwwork\pwwork\cushmanbw\d0149475\0229909-shr-standards.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.0000 / IN.		CHECKED -	REVISED -
PLOT DATE = Thu Jun 24 06:50:43 2010		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

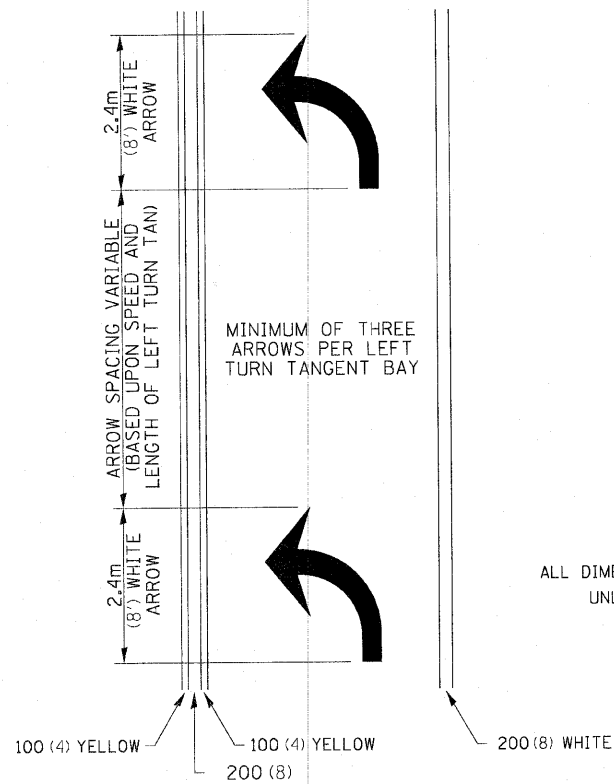
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	15T-1	WHITESIDE	17	13
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 64F35	

TYPICAL PAVEMENT MARKINGS

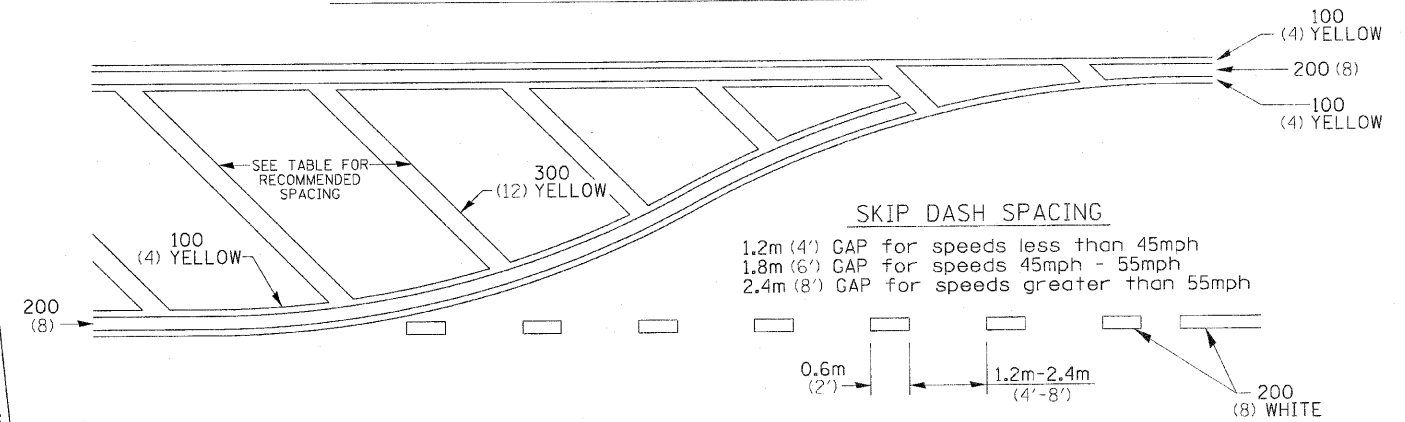
ARROW LAYOUT



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

- ▲ ONE-WAY AMBER MARKER
- ◊ ONE-WAY CRYSTAL MARKER
- ◼ TWO-WAY AMBER MARKER

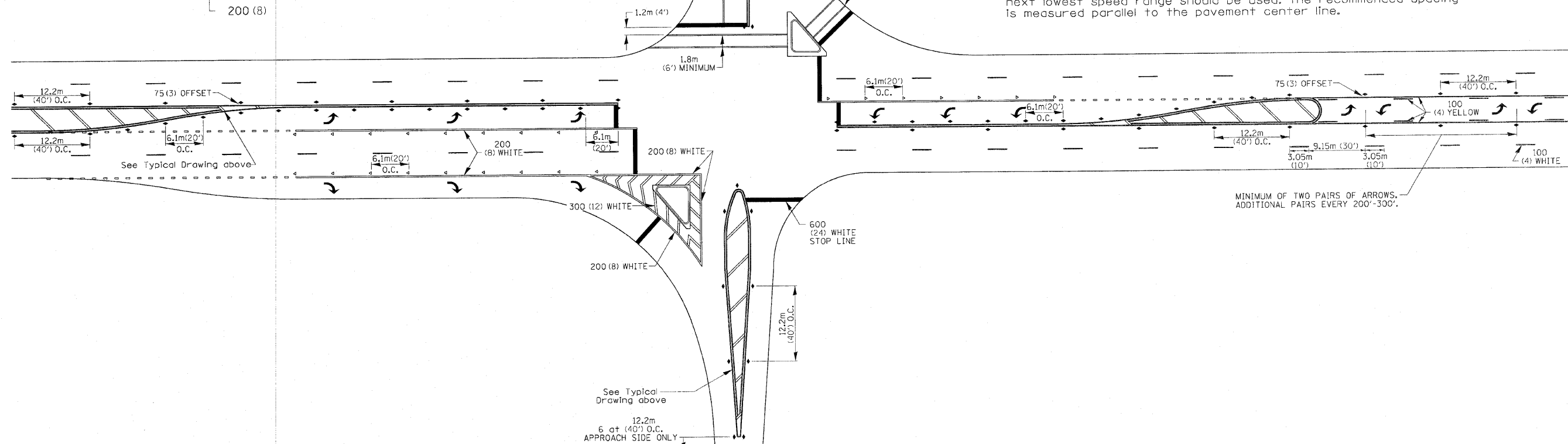
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED - 10-21-08
c:\pwork\pvidot\cushmanbw\0149475\029903-shd-standards.dgn		DRAWN -	REVISED -
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PLOT DATE = Thu Jun 24 20:50:53 2010		DATE -	REVISED -

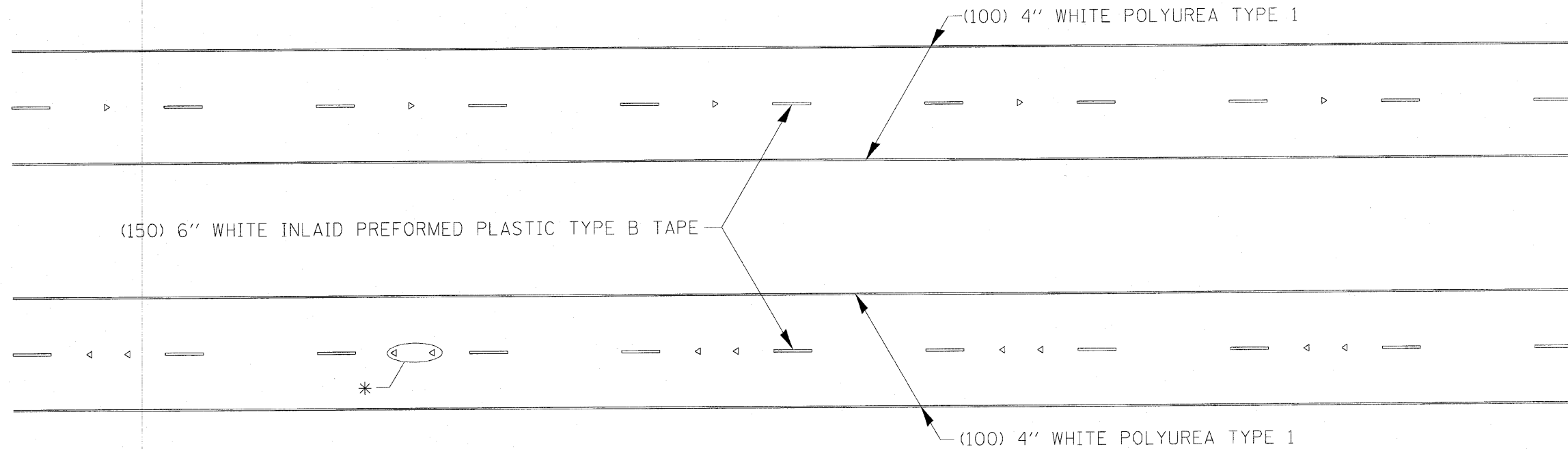
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

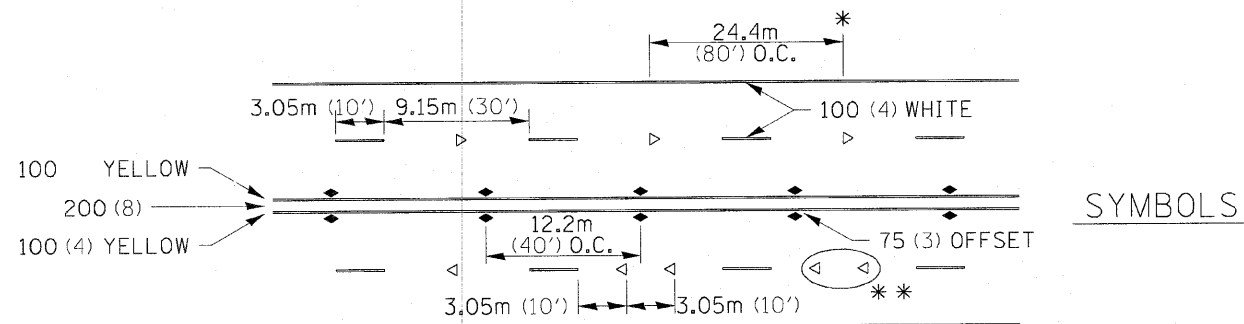
F.A.P. RTE. 22	SECTION 15T-1	COUNTY WHITESIDE	TOTAL SHEETS 17	SHEET NO. 14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 64F35		

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT \geq 25,000.

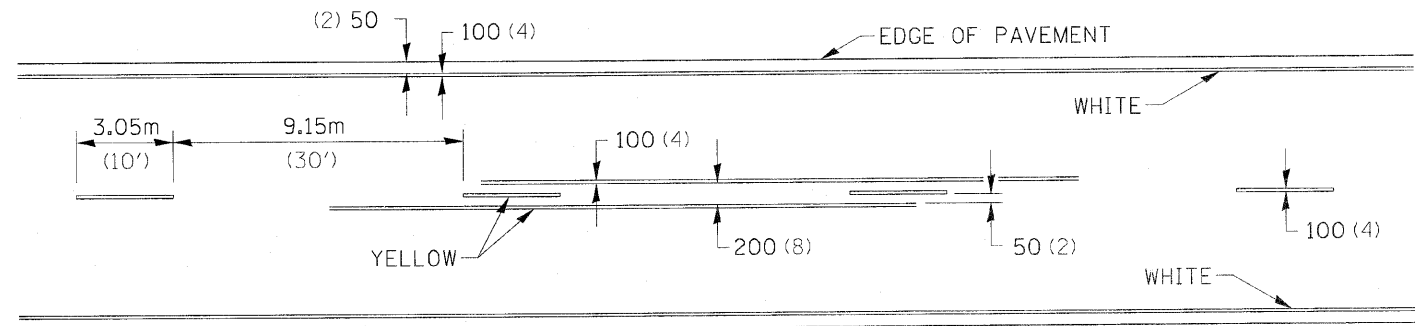
MULTI-LANE / DIVIDED



* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.
** USE DOUBLE MARKERS WHEN ADT \geq 25,000

MULTI-LANE / UNDIVIDED

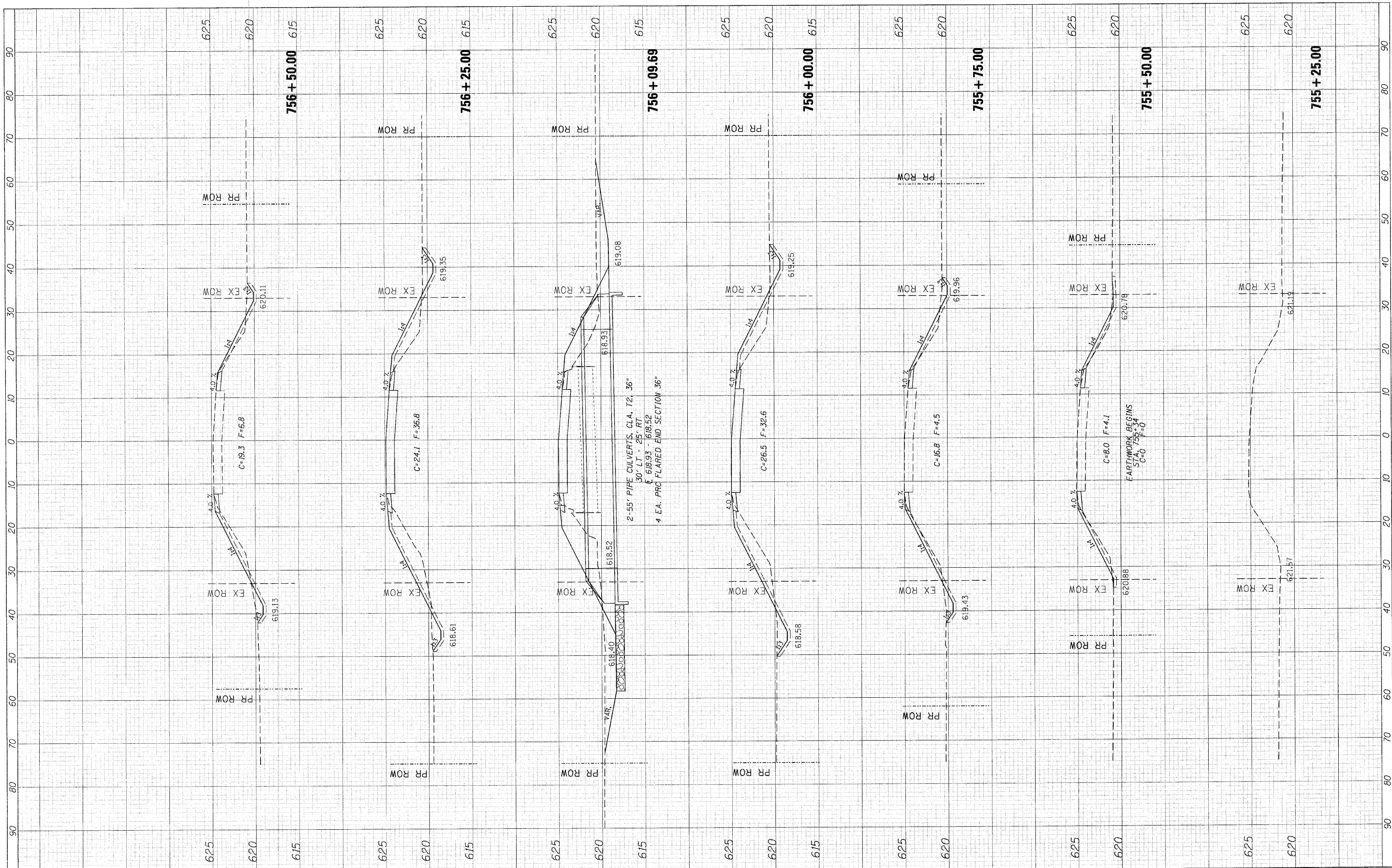
TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



FILE NAME =	USER NAME = cushmorbw	DESIGNED -	REVISED - 10-21-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE. 22	SECTION 151-1	COUNTY WHITESIDE	TOTAL SHEETS 17	SHEET NO. 15
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PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	TYPICAL PAVEMENT MARKINGS SHEET 3 OF 3							
PLOT DATE = Thu Jun 24 08:51:25 2010	DATE -	REVISED -	41.1							

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

ORIGINAL SURVEY PLOTTED DATE: _____ BY: _____
 NOTE BOOK NO. _____ AREAS CHECKED: _____



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 PLOT DATE = Thu Jun 24 06:59:44 2010

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

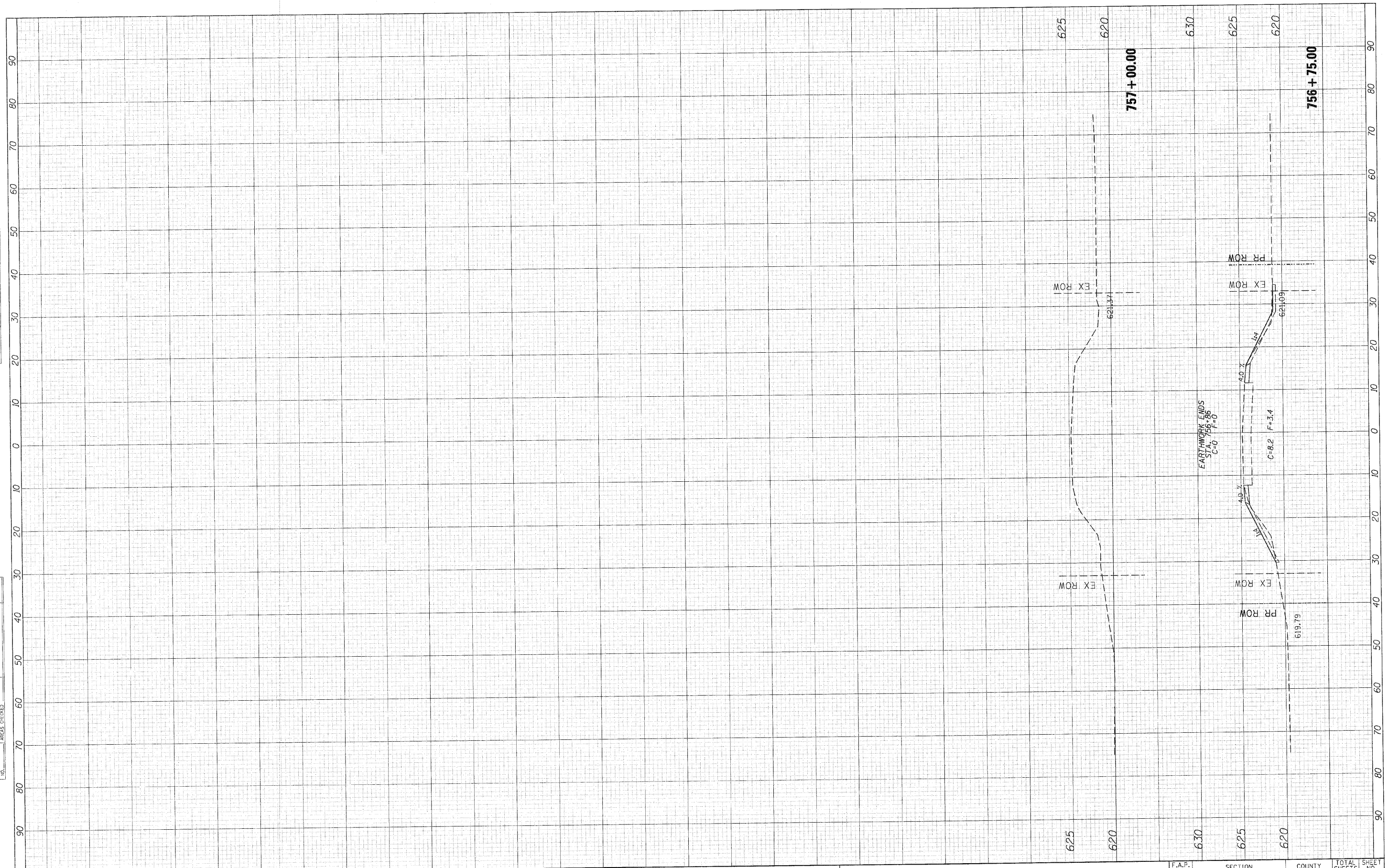
IL 78 CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 755+25.00 TO STA. 756+50.00

F.A.P. RTE. 22	SECTION 15T-1	COUNTY WHITESIDE	TOTAL SHEETS 17	SHEET NO. 16
			CONTRACT NO. 64F35	
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 78 CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 756+75.00 TO STA. 757+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	15T-1	WHITESIDE	17	17
CONTRACT NO. 64F35				
ILLINOIS FED. AID PROJECT				