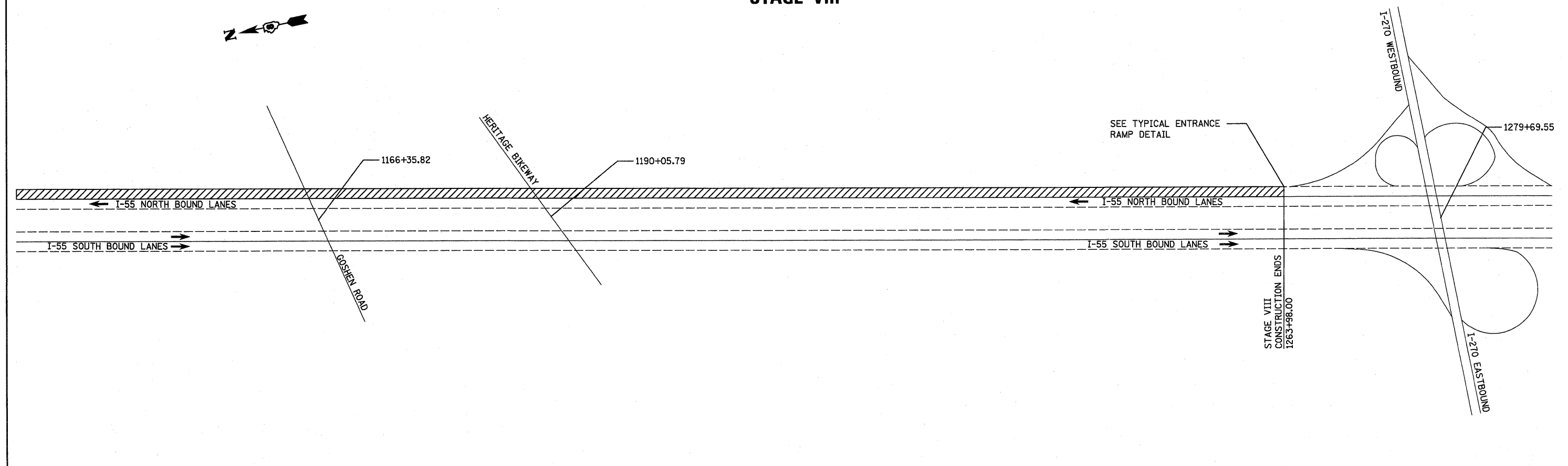
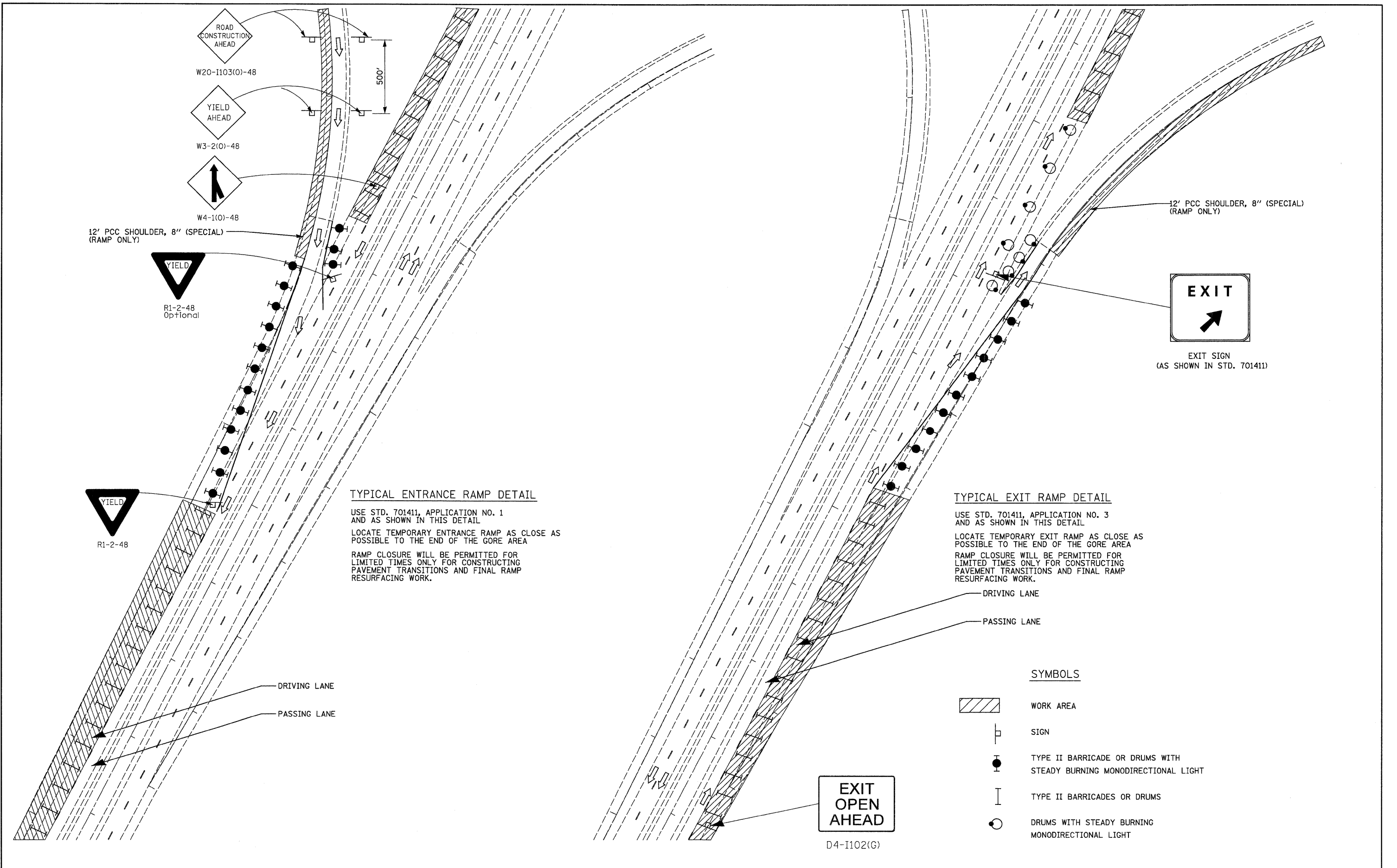


**NORTHBOUND RECONSTRUCTION  
STAGE VIII**



FILE NAME = ...\\CADD\d876e93-staging-nb55.dgn	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-55 TRAFFIC CONTROL AND STAGING STAGE VIII - NORTHBOUND LANES</b>		F.A.I. RTE. 55	SECTION 60-1,2/RS-2	COUNTY MADISON	TOTAL SHEETS 156	SHEET NO. 101		
	PLOT SCALE = 500.0000' / IN.	DRAWN - JJS	REVISED -				SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.		CONTRACT NO. 76C93				
	PLOT DATE = 08/24/2010 09:50:51	CHECKED - MTM	REVISED -				ILLINOIS FED. AID PROJECT						
	DATE - JUNE 2010	REVISED -											



12' PCC SHOULDER, 8" (SPECIAL)  
(RAMP ONLY)

YIELD  
R1-2-48  
Optional

YIELD  
R1-2-48

**TYPICAL ENTRANCE RAMP DETAIL**

USE STD. 701411, APPLICATION NO. 1  
AND AS SHOWN IN THIS DETAIL  
LOCATE TEMPORARY ENTRANCE RAMP AS CLOSE AS  
POSSIBLE TO THE END OF THE GORE AREA  
RAMP CLOSURE WILL BE PERMITTED FOR  
LIMITED TIMES ONLY FOR CONSTRUCTING  
PAVEMENT TRANSITIONS AND FINAL RAMP  
RESURFACING WORK.

DRIVING LANE  
PASSING LANE

**TYPICAL EXIT RAMP DETAIL**

USE STD. 701411, APPLICATION NO. 3  
AND AS SHOWN IN THIS DETAIL  
LOCATE TEMPORARY EXIT RAMP AS CLOSE AS  
POSSIBLE TO THE END OF THE GORE AREA  
RAMP CLOSURE WILL BE PERMITTED FOR  
LIMITED TIMES ONLY FOR CONSTRUCTING  
PAVEMENT TRANSITIONS AND FINAL RAMP  
RESURFACING WORK.






DRIVING LANE  
PASSING LANE

12' PCC SHOULDER, 8" (SPECIAL)  
(RAMP ONLY)

EXIT  
↑

EXIT SIGN  
(AS SHOWN IN STD. 701411)

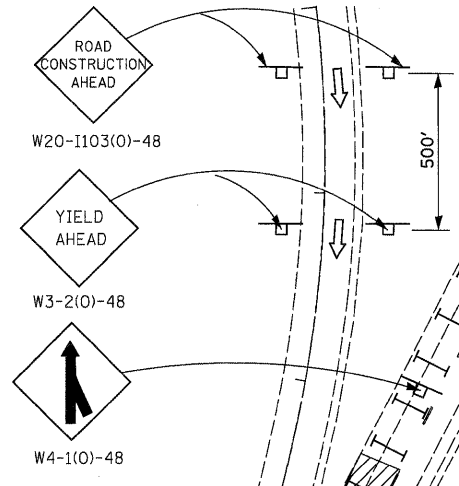
**SYMBOLS**

-  WORK AREA
-  SIGN
-  TYPE II BARRICADE OR DRUMS WITH  
STEADY BURNING MONODIRECTIONAL LIGHT
-  TYPE II BARRICADES OR DRUMS
-  DRUMS WITH STEADY BURNING  
MONODIRECTIONAL LIGHT

EXIT  
OPEN  
AHEAD

D4-I102(G)

FILE NAME = ...\\cadd\876e93-aht-detail1.dgn	USER NAME = SJS	DESIGNED - DRAWN - JJS	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL ENTRANCE AND EXIT RAMP DETAILS - STEP 1</b>			F.A.I. RTE. 55	SECTION 60-(1,2RS--2)	COUNTY MADISON	TOTAL SHEETS 156	SHEET NO. 102
PLOT SCALE = 50.0000' / IN.	CHECKED - MTM	DATE - JUNE 2010	REVISED -		SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 76C93			
PLOT DATE = 06/23/2010 15:34:44	DATE - JUNE 2010	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

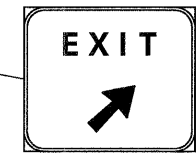


**TYPICAL EXIT RAMP DETAIL**

USE STD. 701411, APPLICATION NO. 4 AND AS SHOWN IN THIS DETAIL  
 RAMP CLOSURE WILL BE PERMITTED FOR LIMITED TIMES ONLY FOR CONSTRUCTING PAVEMENT TRANSITIONS AND FINAL RAMP RESURFACING WORK.

**TYPICAL ENTRANCE RAMP DETAIL**

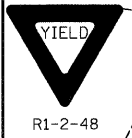
USE STD. 701411 APPLICATION NO. 2 AND AS SHOWN IN THIS DETAIL  
 RAMP CLOSURE WILL BE PERMITTED FOR LIMITED TIMES ONLY FOR CONSTRUCTING PAVEMENT TRANSITIONS AND FINAL RAMP RESURFACING WORK.



EXIT SIGN (AS SHOWN IN STD. 701411)



R1-2-48 Optional



R1-2-48

**SYMBOLS**

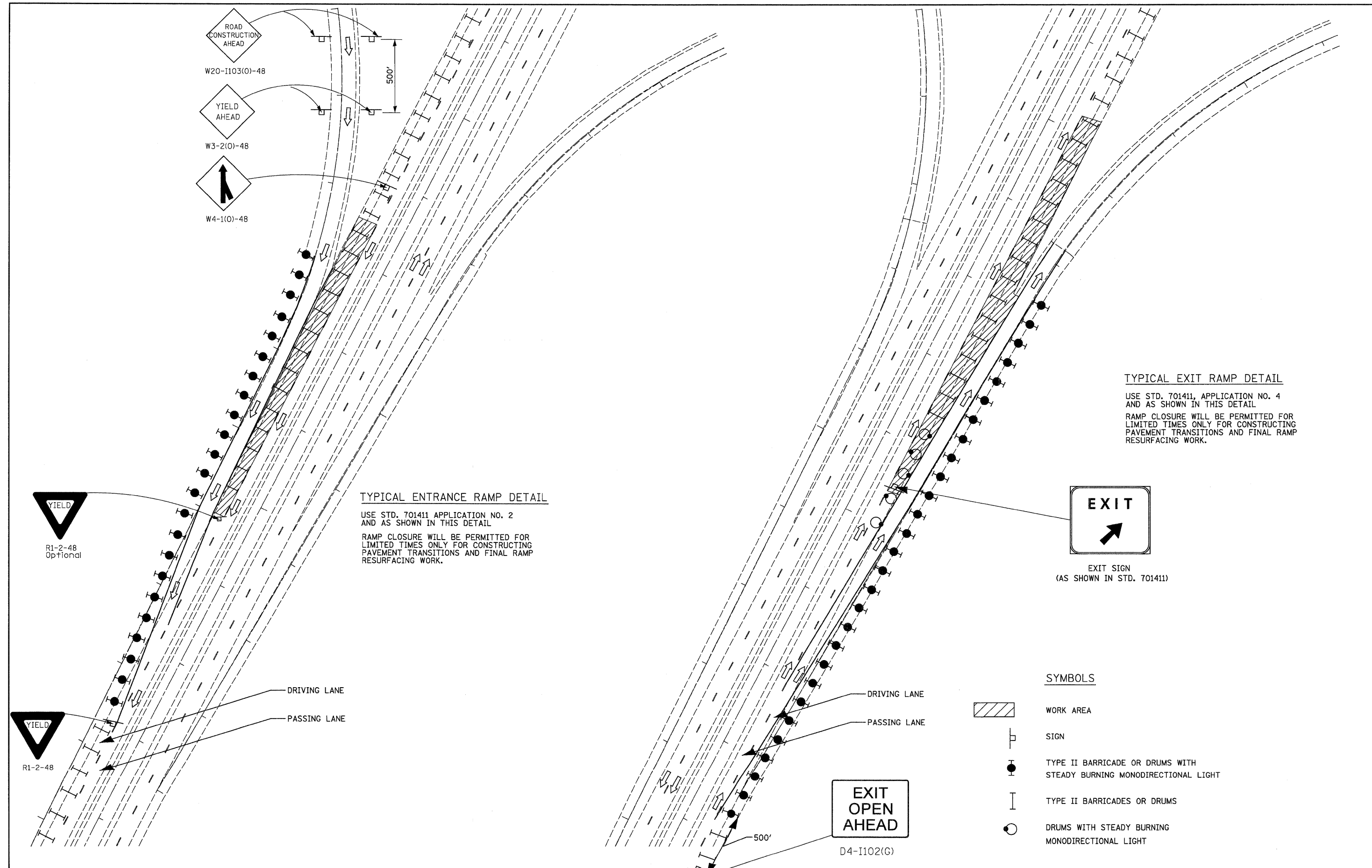
- WORK AREA
- SIGN
- TYPE II BARRICADE OR DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT
- TYPE II BARRICADES OR DRUMS
- DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT



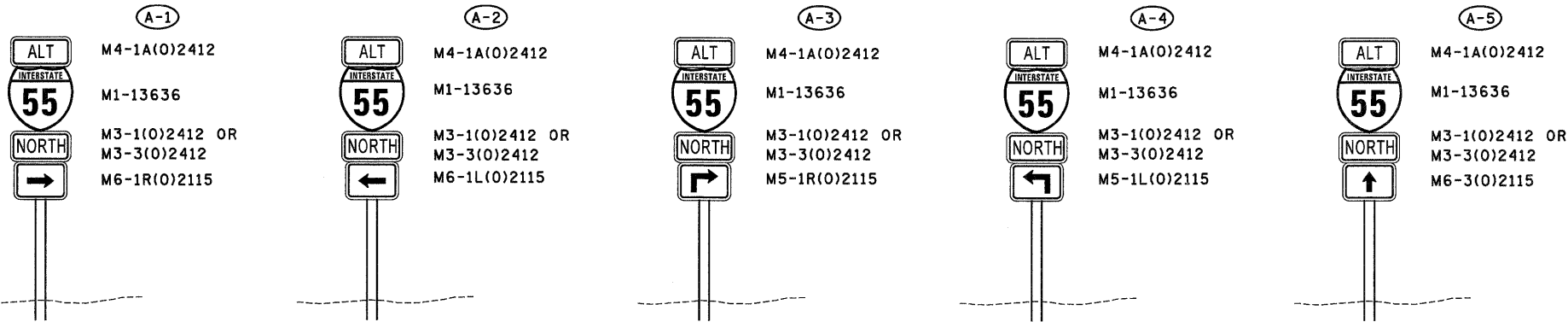
D4-1102(G)

DRIVING LANE  
 PASSING LANE

DRIVING LANE  
 PASSING LANE



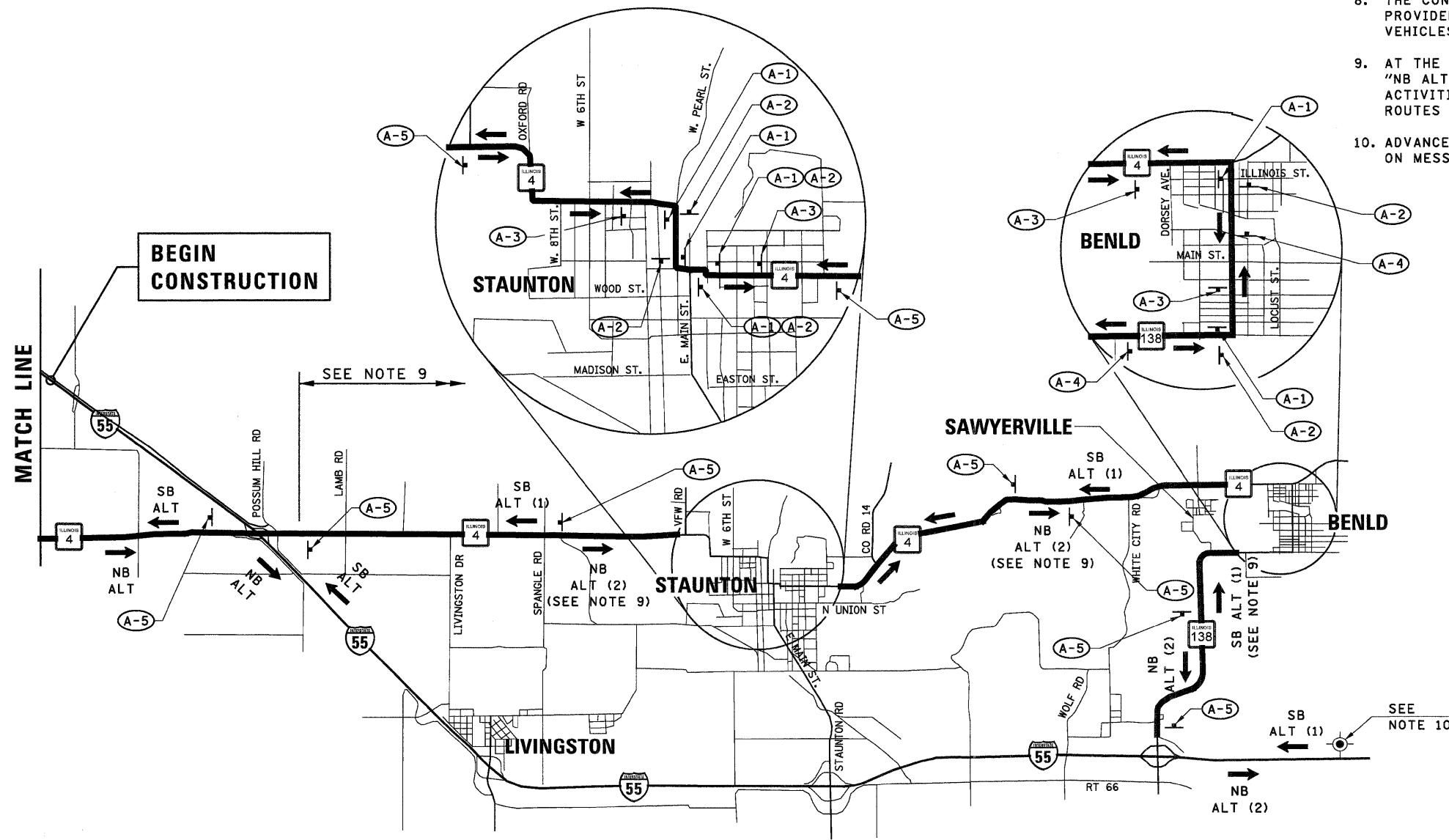
FILE NAME = ...oaddd\4876e93-shr-detail1.dgn	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL ENTRANCE AND EXIT RAMP DETAILS - STEP 2</b>			F.A.I. RTE. 55	SECTION 60-(1,2RS--2)	COUNTY MADISON	TOTAL SHEETS 156	SHEET NO. 103
	PLOT SCALE = 50.0000' / IN.	DRAWN - JJS	REVISED -		SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 76C93	
	PLOT DATE = 06/23/2010 15:34:44	CHECKED - MTM	REVISED -									
		DATE - JUNE 2010	REVISED -									



**SIGN ASSEMBLY DETAILS**  
 ("NORTH" CARDINAL AUXILIARY DIRECTION SIGN SHOWN)

**NOTES:**

1. THE CONTRACTOR HAS THE OPTION OF USING METAL POSTS INSTEAD OF WOOD. PAYMENT FOR POST AND REQUIRED HARDWARE SHALL BE INCLUDED IN THE COST OF "SIGN PANEL - TYPE 1".
2. ALL SIGNS SHALL BE BLACK ON ORANGE. THE POSTS SHALL BE PLACED 12 FEET FROM THE EDGE OF PAVEMENT OR AS DIRECTED BY THE ENGINEER.
3. WITH PRIOR APPROVAL, SIGNS SHALL BE REMOVED ON COMPLETION OF THE CONTRACT AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 724 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF THE ITEMS IDENTIFIED IN NOTE 1. THE SIGNS AND POSTS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
4. THE MAINTENANCE OR REPLACEMENT OF ALTERNATE SIGNING SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.
5. EXACT ALTERNATE SIGNING PLACEMENT WILL BE DETERMINED BY THE ENGINEER.
6. THE DISTRICT 8 OPERATIONS ENGINEER SHALL BE CONTACTED 10 DAYS PRIOR TO THE ERECTION OF SIGNS.
7. SIGNS SHALL BE PLACED SO THEY DO NOT INTERFERE WITH EXISTING SIGNS AND AS DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR CAN USE "NB ALT (1)" IF APPROVED BY THE ENGINEER PROVIDED STAGE CONSTRUCTION ON NB I-55 IS EXPECTED TO QUEUE VEHICLES BEYOND THE INTERCHANGE.
9. AT THE DIRECTION OF THE ENGINEER, THE CONTRACTOR WILL SIGN THE USE OF "NB ALT (2)" AND "SB ALT (1)" IN COORDINATION WITH ONGOING CONSTRUCTION ACTIVITIES ON THE ADJACENT CONTRACT. SIGNING FOR THESE ALTERNATE ROUTES WILL BE PAID FOR IN THE ADJACENT CONTRACT.
10. ADVANCE NOTIFICATION OF THE ALTERNATE ROUTE ON I-55 WILL BE PROVIDED ON MESSAGE BOARDS AS DIRECTED BY THE ENGINEER.



**BILL OF MATERIALS**

ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 1	SQ FT	228

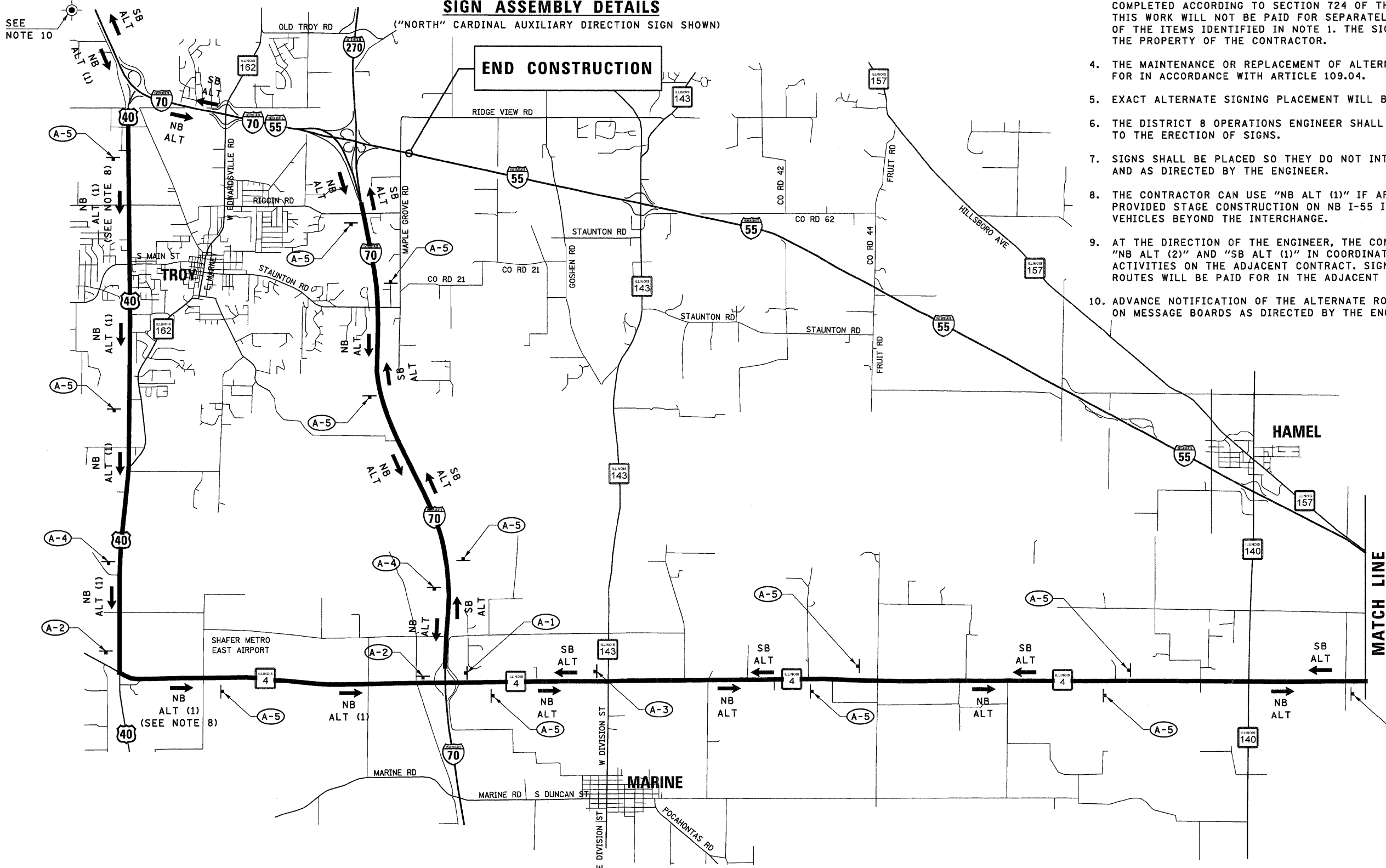
FILE NAME = ... \DB76C93-ah-Alt-Route01.dgn	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAI ROUTE 55 (I-55) SUGGESTED ALTERNATE ROUTE SIGNING DETAILS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			55	60-1,2)RS-2	MADISON	156	104	
		CHECKED -	REVISED -			CONTRACT NO. 76C93					
		DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				

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**NOTES:**

1. THE CONTRACTOR HAS THE OPTION OF USING METAL POSTS INSTEAD OF WOOD. PAYMENT FOR POST AND REQUIRED HARDWARE SHALL BE INCLUDED IN THE COST OF "SIGN PANEL - TYPE 1".
2. ALL SIGNS SHALL BE BLACK ON ORANGE. THE POSTS SHALL BE PLACED 12 FEET FROM THE EDGE OF PAVEMENT OR AS DIRECTED BY THE ENGINEER.
3. WITH PRIOR APPROVAL, SIGNS SHALL BE REMOVED ON COMPLETION OF THE CONTRACT AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 724 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF THE ITEMS IDENTIFIED IN NOTE 1. THE SIGNS AND POSTS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
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7. SIGNS SHALL BE PLACED SO THEY DO NOT INTERFERE WITH EXISTING SIGNS AND AS DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR CAN USE "NB ALT (1)" IF APPROVED BY THE ENGINEER PROVIDED STAGE CONSTRUCTION ON NB I-55 IS EXPECTED TO QUEUE VEHICLES BEYOND THE INTERCHANGE.
9. AT THE DIRECTION OF THE ENGINEER, THE CONTRACTOR WILL SIGN THE USE OF "NB ALT (2)" AND "SB ALT (1)" IN COORDINATION WITH ONGOING CONSTRUCTION ACTIVITIES ON THE ADJACENT CONTRACT. SIGNING FOR THESE ALTERNATE ROUTES WILL BE PAID FOR IN THE ADJACENT CONTRACT.
10. ADVANCE NOTIFICATION OF THE ALTERNATE ROUTE ON I-55 WILL BE PROVIDED ON MESSAGE BOARDS AS DIRECTED BY THE ENGINEER.

**SIGN ASSEMBLY DETAILS**



FILE NAME = ...\\DB76C93-ahrt-Alt-Route#2.dgn	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAI ROUTE 55 (I-55) SUGGESTED ALTERNATE ROUTE SIGNING DETAILS</b>			F.A.I. RTE. 55	SECTION 60-1,2RS-2	COUNTY MADISON	TOTAL SHEETS 156	SHEET NO. 105
	PLOT SCALE = 1,000' / 1" IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 76C93	
	PLOT DATE = 06/23/2010 15:34:53	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
		DATE -	REVISED -									

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY ON MAY 30, 2003 FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES. THIS PLAN HAS ALSO BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF NPDES PERMIT NUMBER ILR40 FOR DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS IF CHECKED BELOW.

NPDES PERMITS ASSOCIATED WITH THIS PROJECT:

- ILR10
- ILR40 PERMIT NO. 0493

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

MARY C. LAMIE  
 PRINT NAME  
 DEPUTY DIRECTOR OF HIGHWAYS  
 REGION FIVE ENGINEER  
 TITLE  
 IL DEPT. OF TRANSPORTATION  
 AGENCY

Mary C. Lamie  
 SIGNATURE  
1/25/10  
 DATE

I. SITE DESCRIPTION:

A. THE FOLLOWING IS A DESCRIPTION OF THE PROJECT LOCATION:

THE PROJECT IS LOCATED IN MADISON COUNTY ALONG A SECTION OF FAI-55 FROM APPROXIMATELY 0.3 MILES NORTH OF THE FAI-55/70/270 INTERCHANGE TO 1.3 MILES NORTH OF IL 140 AND INCLUDES THE INTERCHANGE RAMP AT IL 140 AND IL 143. THE PROJECT IS 11.3 MILES IN LENGTH.

B. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

THE INTENT OF THIS PROJECT IS TO RECONSTRUCT FOUR LANES OF FAI ROUTE 55 FOR THE PURPOSE OF INCREASING SAFETY, REDUCING PRESENT AND FUTURE MAINTENANCE COSTS AND ELIMINATING EXISTING DEFICIENCIES.

THIS WORK INVOLVES REMOVING THE EXISTING HOT-MIX ASPHALT SURFACE, RUBBLIZING THE EXISTING CONCRETE PAVEMENT AND THEN RESURFACING WITH 11.5 INCHES OF NEW HOT-MIX ASPHALT MATERIALS, MAINTAINING MINIMUM CLEARANCES UNDER EACH OVERPASS STRUCTURE. INTERCHANGE RAMP WILL BE RESURFACED WITH 4.25 INCHES OF NEW HOT-MIX ASPHALT MATERIALS. THE EXISTING OUTSIDE RAMP SHOULDERS WILL BE REMOVED AND REPLACED WITH NEW PORTLAND CEMENT CONCRETE SHOULDERS, 12 FEET WIDE. EMBANKMENT WILL BE ADDED TO THE EXISTING FORESLOPES TO MATCH THE PROPOSED NEW SURFACE ELEVATIONS.

THE PAVEMENT UNDER THE OVER PASSES FOR IL 140 AND IL 143 WILL BE REMOVED AND REPLACED WITH CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 14 INCHES THICK.

MOST EXISTING ACCESS-CONTROL FENCING WITHIN THE PROJECT LIMITS WILL BE REMOVED AND REPLACED. A 5-FOOT STRIP WILL BE CLEARED FOR THE FENCE REMOVAL PROCESS.

ALL EXISTING PIPE UNDERDRAINS AND OUTLETS WILL BE REMOVED AND REPLACED.

ALL GUARDRAIL AND HTC MEDIAN BARRIER WILL BE REMOVED AND REPLACED.

ALL EXISTING CORRUGATED METAL PIPES WITHIN THE PROJECT LIMITS WILL BE REMOVED AND REPLACED WITH CONCRETE PIPES, MINOR DRAINAGE ISSUES WILL BE RESOLVED AND FIXED. MAJOR DRAINAGE WORK WILL CONSIST OF JACKING A 54-INCH PIPE CULVERT UNDER IL 140 IN CONJUNCTION WITH ADDING AN 8' X 3' PRECAST BOX CULVERT UPSTREAM, UNDER FAI-55.

C. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:

1. INSTALL PIPE UNDERDRAINS AND OUTLETS.
2. COMPLETE MAJOR DRAINAGE WORK DESCRIBED ABOVE.
3. REMOVE EXISTING FENCING AND A CLEAR 5 FOOT STRIP FOR INSTALLATION OF THE NEW FENCING.
4. REMOVE THE EXISTING HMA SURFACE, RUBBLIZE THE EXISTING PCC PAVEMENT, THEN RESURFACE WITH 11.5 INCHES OF NEW SURFACE AND RESURFACE OVER THE EXISTING SHOULDERS TO MATCH THE PROPOSED SURFACE ELEVATIONS. THEN PLACE THE PROPOSED EMBANKMENT ALONG THE FORESLOPES MATCHING THE NEW SHOULDER ELEVATIONS.
5. REMOVE THE EXISTING PAVEMENT UNDER THE OVERPASSES FOR IL 140 AND IL 143 AND REPLACE WITH CRPCC PAVEMENT.
6. COMPLETE MINOR DRAINAGE WORK.
7. REPLACE HTC MEDIAN BARRIER AND GUARDRAIL.

D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE APPROXIMATELY THREE HUNDRED AND SEVENTY-SIX (376) ACRES.

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS APPROXIMATELY SEVENTY-FIVE (75) ACRES.

E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED: 0.60

F. THE FOLLOWING IS A DESCRIPTION OF THE SOIL TYPES FOUND AT THE PROJECT SITE FOLLOWED BY INFORMATION REGARDING THEIR EROSION:

TWENTY-TWO SOIL TYPES EXIST WITHIN THE PROJECT LIMITS. SOILS COVERING THE MAJORITY OF THE PROJECT AREA ARE SILT LOAMS WITH SIMILAR GRAIN SIZE, EROSION AND PERMEABILITY CHARACTERISTICS. THESE SOILS ARE:

EDWARDSVILLE SILT LOAM (384A)--THIS FINE-SILTY GRAINED SOIL CONTAINS ABOUT 20% TO 27% CLAY IN SURFACE LAYER (TOP 8 INCHES) AND IS FOUND IN AREAS WITH UP TO 2 PERCENT SLOPES. SOMEWHAT POORLY DRAINED, THIS SOIL IS SOMEWHAT LESS SUSCEPTIBLE TO WATER AND WIND EROSION. PERMEABILITY IS MODERATE.

MASCOUTAH SILTY CLAY LOAM (385A)--THIS FINE-SILTY GRAINED SOIL ALSO CONTAINS ABOUT 27% TO 35% CLAY IN THE SURFACE LAYER AND IS FOUND IN AREAS WITH UP TO 2 PERCENT SLOPES. POORLY DRAINED, THIS SOIL IS SOMEWHAT LESS SUSCEPTIBLE TO WATER AND WIND EROSION. PERMEABILITY IS MODERATE.

VIRDEN-FOSTERBURG SILT LOAM (885A)--THIS FINE-SILTY GRAINED SOIL IS POORLY DRAINED SOIL TENDS TO HAVE ABOUT 20% TO 27% CLAY IN THE SURFACE LAYER. FOUND IN AREAS OF UP TO 2 PERCENT SLOPES, THIS SOIL IS LESS SUSCEPTIBLE TO WATER AND WIND EROSION. PERMEABILITY IS MODERATE.

HERRICK-BIDDLE-PIASA SILT LOAM (894A)--THIS MEDIUM GRANULAR STRUCTURE SOIL IS POORLY DRAINED SOIL AND TENDS TO HAVE ABOUT 20% TO 27% CLAY IN THE SURFACE LAYER. FOUND IN AREAS WITH UP TO 2 PERCENT SLOPES, THIS SOIL IS LESS SUSCEPTIBLE TO WATER AND WIND EROSION. PERMEABILITY RANGES FROM MODERATELY SLOW TO MODERATE.

OTHER SOILS COVERING SMALLER PORTIONS OF THE PROJECT AREA:

HERRICK SILT LOAM (46A)--THIS MEDIUM GRANULAR SOIL IS SOMEWHAT POORLY DRAINED SOIL AND FOUND NEAR THE ACCESS RAMP TO THE REST AREA AND TENDS TO HAVE 20%-27% CLAY IN THE SURFACE LAYER. THIS SOIL IS SOMEWHAT LESS SUSCEPTIBLE TO WATER AND WIND EROSION. PERMEABILITY IS MODERATE.

MEFRO SILTY CLAY LOAM (79D3)--THIS VERY FINE-SILTY GRAINED SOIL IS WELL DRAINED AND TENDS TO HAVE ABOUT 27% TO 35% PERCENT CLAY IN THE SURFACE LAYER. THIS SOIL IS MODERATELY SUSCEPTIBLE TO WATER EROSION AND LESS SUSCEPTIBLE TO WIND EROSION. IT TENDS TO BE FOUND IN SEVERELY ERODED AREAS WITH 10 TO 18 PERCENT SLOPES. PERMEABILITY IS MODERATE.

MEFRO SILT LOAM (79F)--THIS VERY FINE-SILTY GRAINED SOIL HAS LESS CLAY THAN 79D3 IN THE SURFACE LAYER. HOWEVER, IT IS MORE SUSCEPTIBLE TO WATER AND WIND EROSION THAN 79D3, AND TENDS TO BE FOUND IN AREAS WITH 18 TO 35 PERCENT SLOPES. PERMEABILITY IS MODERATE.

BETHALTO SILT LOAM (90A)--THIS FINE SILTY GRAINED SOIL CONTAINS ABOUT 18% TO 27% CLAY IN THE SURFACE LAYER AND IS FOUND IN AREAS WITH UP TO 2 PERCENT SLOPES. SOMEWHAT POORLY DRAINED, THIS SOIL IS MODERATELY SUSCEPTIBLE TO WATER EROSION AND LESS SUSCEPTIBLE TO WIND EROSION. PERMEABILITY IS MODERATE.

OCONEE SILT LOAM (113B)--THIS FINE SILTY GRAINED SOIL CONTAINS ABOUT THE SAME PERCENTAGE OF CLAY IN THE SURFACE LAYER AS BETHALTO SILT LOAM, AND SHARES THE SAME CHARACTERISTIC OF BEING SOMEWHAT POORLY DRAINED AND MODERATELY SUSCEPTIBLE TO WATER AND LESS SUSCEPTIBLE TO WIND EROSION. THIS SOIL IS FOUND IN AREAS WITH SLOPES FROM 2 TO 5 PERCENT. PERMEABILITY IS MODERATE.

ELCO SILTY CLAY LOAM (119C3)--THIS FINE SILTY GRAINED SOIL DIFFERS FROM MOST OF THE OTHER SOILS IN THAT IT IS MODERATELY WELL DRAINED. THE SOIL CONTAINS 27% TO 35% CLAY IN THE SURFACE LAYER AND TENDS TO BE FOUND IN SEVERELY ERODED AREAS WITH SLOPES FROM 5 TO 10 PERCENT. IT IS LESS SUSCEPTIBLE TO WIND EROSION THAN THE OTHER SOILS ON THIS PROJECT, BUT IT IS MODERATELY SUSCEPTIBLE TO WATER EROSION. PERMEABILITY IS MODERATE.

DOWN SOUTH SILT LOAM (283B)--THIS MODERATE FINE GRAINED SOIL IS MODERATELY WELL DRAINED. THE SOIL CONTAINS ABOUT 18% TO 27% CLAY IN THE SURFACE LAYER. THIS SOIL IS SUSCEPTIBLE TO WATER EROSION LIKE THE OTHER SILT LOAMS SOILS FOUND ON THIS PROJECT, BUT LESS SUSCEPTIBLE TO WIND EROSION. PERMEABILITY IS MODERATE.

WINFIELD SILT LOAM (477B)--THIS FINE-SILTY GRAINED SOIL IS MODERATELY WELL DRAINED AND TENDS TO BE FOUND IN AREAS WITH SLOPES OF 2 TO 5 PERCENT. IT CONTAINS 20% TO 27% CLAY IN THE SURFACE LAYER. THIS SOIL IS SOMEWHAT SUSCEPTIBLE TO WATER EROSION, BUT LESS SUSCEPTIBLE TO WIND EROSION. PERMEABILITY IS MODERATE.

WINFIELD SILT LOAM (477C2)--THIS FINE-SILTY GRAINED SOIL SHARES THE SAME CHARACTERISTICS AS 477B EXCEPT THAT THIS SOIL TENDS TO BE FOUND IN AREAS WITH 5 TO 10 PERCENT SLOPES. PERMEABILITY IS MODERATE.

WINFIELD SILTY CLAY LOAM (477C3)--THIS FINE-SILTY GRAINED SOIL SHARES THE SAME CHARACTERISTICS AS 477C2, EXCEPT THAT THIS SOIL IS EVEN LESS SUSCEPTIBLE TO WIND EROSION AND IT CONTAINS MORE CLAY IN THE SURFACE LAYER (27% TO 35%). PERMEABILITY IS MODERATE.

WINFIELD SILTY CLAY LOAM (477D3)--THIS FINE-SILTY GRAINED SOIL SHARES THE SAME CHARACTERISTICS AS 477C3, EXCEPT THAT THIS SOIL TENDS TO BE FOUND IN AREAS WITH 10 TO 18 PERCENT SLOPES. PERMEABILITY IS MODERATE.

BUNKUM SILTY CLAY LOAM (515B3)--THIS FINE SILTY GRAINED SOIL IS SOMEWHAT POORLY DRAINED AND FOUND IN SEVERELY ERODED AREAS WITH SLOPES FROM 2 TO 5 PERCENT. LIKE ELCO SILTY CLAY LOAM, THIS SOIL IS LESS SUSCEPTIBLE TO WIND EROSION THAN THE OTHER SOILS ON THIS PROJECT, BUT IT IS MODERATELY SUSCEPTIBLE TO WATER EROSION. CLAY CONTENT IN THE SURFACE LAYER IS 27% TO 35%. PERMEABILITY IS MODERATELY SLOW.

BUNKUM SILTY CLAY LOAM (515C3)--THIS FINE-SILTY GRAINED SOIL IS VIRTUALLY IDENTICAL TO 515B3, EXCEPT THAT IT IS FOUND IN AREAS WITH STEEPER SLOPES OF 5 TO 10 PERCENT.

ORTHENTS (801B)--THIS SOMEWHAT POORLY DRAINED SOIL IS MODERATELY SUSCEPTIBLE TO WATER EROSION BUT SOMEWHAT LESS SUSCEPTIBLE TO WIND EROSION. PERMEABILITY IS MODERATELY SLOW TO MODERATE.

ORTHENTS (801D)--THIS SOMEWHAT POORLY DRAINED SOIL SHARES THE SAME WATER AND WIND SUSCEPTIBILITY CHARACTERISTICS WITH 801B.

ORTHENTS (802B)--THIS SOIL DIFFERS FROM 801B AND 801D IN THAT IT IS WELL DRAINED. CONTAINING MORE LOAM THAN SILT, THIS SOIL IS MORE SUSCEPTIBLE TO WIND EROSION THAN ANY OTHER SOIL FOUND ON THE PROJECT. PERMEABILITY IS MODERATELY SLOW.

OCONEE-COULTERVILLE-DARMSTADT SILT LOAM (882B)--THIS MEDIUM GRANULAR STRUCTURE SOIL IS SOMEWHAT POORLY DRAINED SOIL. IT IS FOUND IN AREAS WITH SLOPES OF 2 TO 5 PERCENT. THIS SOIL IS MODERATELY SUSCEPTIBLE TO WATER EROSION, SOMEWHAT LESS SUSCEPTIBLE TO WIND EROSION. CLAY CONTENT CAN HAVE A WIDER RANGE--FROM 12% TO 27% IN THE SURFACE LAYER--THAT WHAT IS FOUND IN OTHER SOILS ON THIS PROJECT. PERMEABILITY CAN RANGE FROM MODERATELY SLOW TO MODERATE.

ORION SILT LOAM (3415A)--THIS MEDIUM GRANULAR STRUCTURE SOIL IS SOMEWHAT POORLY DRAINED. THIS SOIL IS MORE SUSCEPTIBLE TO WIND AND WATER EROSION THAN MOST OTHER SOILS FOUND ON THIS PROJECT. IT TENDS TO BE FOUND IN NEARLY LEVEL AREAS LIKE THE VIRDEN-FOSTERBURG SILT LOAM. CLAY CONTENT IS BETWEEN 12% TO 22% IN THE SURFACE LAYER. PERMEABILITY IS MODERATE.

G. THE FOLLOWING IS A DESCRIPTION OF POTENTIALLY ERODIBLE AREAS ASSOCIATED WITH THIS PROJECT:

THE AREAS OF THE PROJECT MOST SUSCEPTIBLE TO EROSION WILL BE WHERE EMBANKMENT IS ADDED TO THE EXISTING FORESLOPES TO MATCH PROPOSED SURFACE ELEVATIONS. THE POTENTIAL FOR EROSION MAY ALSO OCCUR AT THE IL 140 INTERCHANGE DURING INSTALLATION OF A PIPE CULVERT AND BOX CULVERT CARRYING AN UNNAMED TRIBUTARY OF SILVER CREEK.

H. THE FOLLOWING IS A DESCRIPTION OF SOIL DISTURBING ACTIVITIES, THEIR LOCATIONS, AND THEIR ERODIBLE FACTORS (E.G. STEEPNESS OF SLOPES, LENGTH OF SLOPES, ETC):

THE MAJOR TYPES OF SOIL DISTURBING ACTIVITIES THAT ARE ANTICIPATED TO OCCUR ON THIS PROJECT ARE: 1) SOIL EXCAVATION, AND 2) CONSTRUCTION OF FILL SLOPES. APPROXIMATELY 20,000 CUBIC YARDS OF SOIL ARE EXPECTED TO BE DISTURBED.

THE PROJECT HAS NO OFF-SITE DISTURBING ACTIVITY.

I. SEE THE EROSION CONTROL PLANS AND/OR DRAINAGE PLANS FOR THIS CONTRACT FOR INFORMATION REGARDING DRAINAGE PATTERNS, APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFF SITE SEDIMENT TRACKING (TO BE ADDED AFTER CONTRACTOR IDENTIFIES LOCATIONS), AREAS OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NON-STRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER INCLUDING WETLANDS.

J. THE FOLLOWING IS A LIST OF RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATER(S), AND AERIAL EXTENT OF WETLAND ACREAGE AT THE SITE. THE LOCATION OF THE RECEIVING WATERS CAN BE FOUND ON THE EROSION AND SEDIMENT CONTROL PLANS:

OVER 90% OF THE SURFACE RUNOFF FROM THE SITE EVENTUALLY REACHES SILVER CREEK THROUGH THE WENDELL BRANCH AND OTHER SMALL UNNAMED TRIBUTARIES THAT CROSS THE SITE. LESS THAN 10% OF THE SURFACE RUNOFF REACHES MOONEY CREEK AND AN UNNAMED POND NEAR THE ROUTE 143 INTERCHANGE.

THE SITE DOES NOT CROSS ANY WETLANDS.

K. THE FOLLOWING POLLUTANTS OF CONCERN WILL BE ASSOCIATED WITH THIS CONSTRUCTION PROJECT: (CHECK ALL THAT APPLY)

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> SOIL SEDIMENT             | <input checked="" type="checkbox"/> PETROLEUM (GAS, DIESEL, OIL, KEROSENE, HYDRAULIC OIL/FLUIDS) |
| <input checked="" type="checkbox"/> CONCRETE                  | <input type="checkbox"/> ANTIFREEZE / COOLANTS   |
| <input checked="" type="checkbox"/> CONCRETE TRUCK WASTE      | <input checked="" type="checkbox"/> WASTE WATER FROM CLEANING CONSTRUCTION EQUIPMENT             |
| <input checked="" type="checkbox"/> CONCRETE CURING COMPOUNDS | <input type="checkbox"/> OTHER (SPECIFY).....  |
| <input type="checkbox"/> SOLID WASTE DEBRIS                   | <input type="checkbox"/> OTHER (SPECIFY).....  |
| <input type="checkbox"/> PAINTS                               | <input type="checkbox"/> OTHER (SPECIFY).....  |
| <input type="checkbox"/> SOLVENTS                             | <input type="checkbox"/> OTHER (SPECIFY).....  |
| <input checked="" type="checkbox"/> FERTILIZERS / PESTICIDES  | <input type="checkbox"/> OTHER (SPECIFY).....  |

FILE NAME = ...oaddd0876c93-ah-t-swppp.dgn	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SWPPP PLAN</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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II. CONTROLS

THIS SECTION OF THE PLAN ADDRESSES THE CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN I.C. ABOVE AND FOR ALL USE AREAS, BORROW SITES, AND WASTE SITES. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. THE CONTRACTOR SHALL PROVIDE TO THE RESIDENT ENGINEER A PLAN FOR THE IMPLEMENTATION OF THE MEASURES INDICATED. THE CONTRACTOR, AND SUBCONTRACTORS, WILL NOTIFY THE RESIDENT ENGINEER OF ANY PROPOSED CHANGES, MAINTENANCE, OR MODIFICATIONS TO KEEP CONSTRUCTION ACTIVITIES COMPLIANT WITH THE PERMIT. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH WILL BE PROVIDED AT THE PRE-CONSTRUCTION CONFERENCE, AND ARE A PART OF, THIS PLAN:

A. EROSION AND SEDIMENT CONTROL

1. STABILIZED PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. EXCEPT AS PROVIDED BELOW IN II(A)(1)(c) AND II(A)(3), STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF 21 OR MORE CALENDAR DAYS.

- g. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE THEREAFTER.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT: (CHECK ALL THAT APPLY)

- |   |  |
|---|--|
| <input type="checkbox"/> PRESERVATION OF MATURE VEGETATION            | <input checked="" type="checkbox"/> EROSION CONTROL BLANKET / MULCHING |
| <input type="checkbox"/> VEGETATED BUFFER STRIPS                      | <input type="checkbox"/> SODDING                                       |
| <input type="checkbox"/> PROTECTION OF TREES                          | <input type="checkbox"/> GEOTEXTILES                                   |
| <input checked="" type="checkbox"/> TEMPORARY EROSION CONTROL SEEDING | <input type="checkbox"/> OTHER (SPECIFY).....                          |
| <input type="checkbox"/> TEMPORARY TURF (SEEDING, CLASS 7)            | <input type="checkbox"/> OTHER (SPECIFY).....                          |
| <input type="checkbox"/> TEMPORARY MULCHING                           | <input type="checkbox"/> OTHER (SPECIFY).....                          |
| <input checked="" type="checkbox"/> PERMANENT SEEDING                 | <input type="checkbox"/> OTHER (SPECIFY).....                          |

DESCRIBE HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED:

TEMPORARY EROSION CONTROL SEEDING - THIS WILL BE APPLIED TO ALL BARE AREAS, AS DETERMINED BY THE ENGINEER, TO MINIMIZE THE AMOUNT OF EXPOSED SURFACE AREA.

PERMANENT SEEDING - SEEDING, CLASS 2, WILL BE INSTALLED ALONG WITH MULCH PER IDOT SPECIFICATIONS.

EROSION CONTROL BLANKET - THIS BLANKET SHOULD BE PLACED AROUND PIPE UNDERDRAIN HEADWALLS.

2. STRUCTURAL PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: PERIMETER EROSION BARRIER, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, DITCH CHECKS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK OUTLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, GABIONS, AND TEMPORARY OR PERMANENT SEDIMENT BASINS. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

THE FOLLOWING STRUCTURAL PRACTICES WILL BE USED FOR THIS PROJECT:(CHECK ALL THAT APPLY)

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> PERIMETER EROSION BARRIER | <input type="checkbox"/> ROCK OUTLET PROTECTION               |
| <input checked="" type="checkbox"/> TEMPORARY DITCH CHECK     | <input checked="" type="checkbox"/> RIPRAP                    |
| <input type="checkbox"/> STORM DRAIN INLET PROTECTION         | <input type="checkbox"/> GABIONS                              |
| <input type="checkbox"/> SEDIMENT TRAP                        | <input type="checkbox"/> SLOPE MATTRESS                       |
| <input type="checkbox"/> TEMPORARY PIPE SLOPE DRAIN           | <input type="checkbox"/> RETAINING WALLS                      |
| <input type="checkbox"/> TEMPORARY SEDIMENT BASIN             | <input type="checkbox"/> SLOPE WALLS                          |
| <input type="checkbox"/> TEMPORARY STREAM CROSSING            | <input type="checkbox"/> CONCRETE REVETMENT MATS              |
| <input type="checkbox"/> STABILIZED CONSTRUCTION EXITS        | <input type="checkbox"/> LEVEL SPREADERS                      |
| <input type="checkbox"/> TURF REINFORCEMENT MATS              | <input checked="" type="checkbox"/> PIPE UNDERDRAINS OUTLETS  |
| <input checked="" type="checkbox"/> PERMANENT CHECK DAMS      | <input checked="" type="checkbox"/> INLET AND PIPE PROTECTION |
| <input type="checkbox"/> PERMANENT SEDIMENT BASIN             | <input type="checkbox"/> OTHER (SPECIFY).....                 |
| <input type="checkbox"/> AGGREGATE DITCH                      | <input type="checkbox"/> OTHER (SPECIFY).....                 |
| <input type="checkbox"/> PAVED DITCH                          | <input type="checkbox"/> OTHER (SPECIFY).....                 |

DESCRIBE HOW THE STRUCTURAL PRACTICES LISTED ABOVE WILL BE UTILIZED:

PERMANENT CHECK DAMS - EXISTING CHECK DAMS WILL NOT BE DISTURBED, EXCEPT WHERE THE EXISTING INLET IS TO BE REPLACED. THE DITCH CHECKS AT THOSE LOCATIONS WILL BE RE-GRADED TO IDOT POLICIES.

RIPRAP - UNDER THE CABLE MEDIAN BARRIER, APPROXIMATELY 26,000 SQUARE YARDS OF RIPRAP WILL BE LAID TO PREVENT VEGETATIVE GROWTH AND THUS REMOVE THE NEED TO MOW UNDERNEATH THIS CABLE.

PIPE UNDERDRAIN OUTLETS - APPROXIMATELY 400 PIPE UNDERDRAIN OUTLETS WILL BE INSTALLED TO MAINTAIN SUBSURFACE DRAINAGE.

INLET AND PIPE PROTECTION - AT APPROXIMATELY 68 LOCATIONS, INLET AND PIPE PROTECTION WILL BE INSTALLED AROUND THE INLETS TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.

PERIMETER EROSION BARRIER - SILT FENCES WILL BE PLACED ALONG THE TOE OF VARIOUS STEEP SLOPES IN AN EFFORT TO CONTAIN SILT AND RUNOFF FROM LEAVING THE SITE.

TEMPORARY DITCH CHECK - CONSTRUCT AT THE BEGINNING OF CONSTRUCTION. REMOVE AT END OF CONSTRUCTION. DITCH CHECKS WILL BE PLACED IN THE MEDIAN DITCH AND SHALL BE LOCATED AT EVERY 2 FT. FALL/RISE IN DITCH GRADE.

STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCE WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE (IF SPECIFIED), ENVIROBERM, TRIANGULAR SILT DIKES, GEORIDGE AND ROLLED EXCELSIOR.

3. STORM WATER MANAGEMENT: PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

- g. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: STORM WATER DETENTION STRUCTURES (INCLUDING WET PONDS), STORM WATER RETENTION STRUCTURES, FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS, INFILTRATION OF RUNOFF ON SITE, AND SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES). THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE IN SECTION 59-8 (EROSION AND SEDIMENT CONTROL) IN CHAPTER 59 (LANDSCAPE DESIGN AND EROSION CONTROL) OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF DESIGN AND ENVIRONMENT MANUAL. IF PRACTICES OTHER THAN THOSE DISCUSSED IN SECTION 59-8 ARE SELECTED FOR IMPLEMENTATION OR IF PRACTICES ARE APPLIED TO SITUATIONS DIFFERENT FROM THOSE COVERED IN SECTION 59-8, THE TECHNICAL BASIS FOR SUCH DECISIONS WILL BE EXPLAINED BELOW.

- b. VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G. MAINTENANCE OF HYDROLOGIC CONDITIONS SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS:

NO STORM WATER DETENTION PONDS ARE ANTICIPATED FOR THIS PROJECT.

4. OTHER CONTROLS:

- g. VEHICLE ENTRANCES AND EXITS - STABILIZED CONSTRUCTION ENTRANCES AND EXITS MUST BE CONSTRUCTED TO PREVENT TRACKING OF SEDIMENTS ONTO ROADWAYS.

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN IDENTIFYING THE LOCATION OF STABILIZED ENTRANCES AND EXITS AND THE PROCEDURES (SHE WILL USE TO CONSTRUCT AND MAINTAIN THEM.

- b. MATERIAL DELIVERY, STORAGE, AND USE - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO HELP PREVENT DISCHARGES OF CONSTRUCTION MATERIALS DURING DELIVERY, STORAGE, AND USE:

- ALL PRODUCTS DELIVERED TO THE PROJECT SITE MUST BE PROPERLY LABELED.

- WATER TIGHT SHIPPING CONTAINERS AND/OR SEMI TRAILERS SHALL BE USED TO STORE HAND TOOLS, SMALL PARTS, AND MOST CONSTRUCTION MATERIALS THAT CAN BE CARRIED BY HAND, SUCH AS PAINT CANS, SOLVENTS, AND GREASE.

- A STORAGE/CONTAINMENT FACILITY SHOULD BE CHOSEN FOR LARGER ITEMS SUCH AS DRUMS AND ITEMS SHIPPED OR STORED ON PALLETS. SUCH MATERIAL IS TO BE COVERED BY A TIN ROOF OR LARGE SHEETS OF PLASTIC TO PREVENT PRECIPITATION FROM COMING IN CONTACT WITH THE PRODUCTS BEING STORED.

- LARGE ITEMS SUCH AS LIGHT STANDS, FRAMING MATERIALS AND LUMBER SHALL BE STORED IN THE OPEN IN A GENERAL STORAGE AREA. SUCH MATERIAL SHALL BE ELEVATED WITH WOOD BLOCKS TO MINIMIZE CONTACT WITH STORM WATER RUNOFF.

- SPILL CLEAN-UP MATERIALS, MATERIAL SAFETY DATA SHEETS, AN INVENTORY OF MATERIALS, AND EMERGENCY CONTACT NUMBERS SHALL BE MAINTAINED AND STORED IN ONE DESIGNATED AREA AND EACH CONTRACTOR IS TO INFORM HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER OF THIS LOCATION.

- c. STOCKPILE MANAGEMENT - BMPs SHALL BE IMPLEMENTED TO REDUCE OR ELIMINATE POLLUTION OF STORM WATER FROM STOCKPILES OF SOIL AND PAVING MATERIALS SUCH AS BUT NOT LIMITED TO PORTLAND CEMENT CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUB BASE, AND PRE-MIXED AGGREGATE. THE FOLLOWING BMPs MAY BE CONSIDERED:

- PERIMETER EROSION BARRIER
- TEMPORARY SEEDING
- TEMPORARY MULCH
- PLASTIC COVERS
- SOIL BINDERS
- STORM DRAIN INLET PROTECTION

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN OF THE PROCEDURES (SHE WILL USE ON THE PROJECT AND HOW THEY WILL BE MAINTAINED.

- d. WASTE DISPOSAL. NO MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

- e. THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

- f. THE CONTRACTOR SHALL PROVIDE A WRITTEN AND GRAPHIC PLAN TO THE RESIDENT ENGINEER IDENTIFYING WHERE EACH OF THE ABOVE AREAS WILL BE LOCATED AND HOW THEY ARE TO BE MANAGED.

5. APPROVED STATE OR LOCAL LAWS

THE MANAGEMENT PRACTICES, CONTROLS AND PROVISIONS CONTAINED IN THIS PLAN WILL BE IN ACCORDANCE WITH IDOT SPECIFICATIONS, WHICH ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, 1995. PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS SHALL BE DESCRIBED OR INCORPORATED BY REFERENCE IN THE SPACE PROVIDED BELOW. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION SITE PLANS, SITE PERMITS, STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOI, TO BE AUTHORIZED TO DISCHARGE UNDER PERMIT ILR10 INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

DESCRIPTION OF PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS:

ALL MANAGEMENT PRACTICES, CONTROLS, AND OTHER PROVISIONS PROVIDED IN THIS PLAN ARE IN ACCORDANCE WITH "IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE ILLINOIS URBAN MANUAL."

III. MAINTENANCE:

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, THE VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN.

SEEDING--ALL ERODIBLE BARE EARTH WILL BE TEMPORARILY SEEDED ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE WITHIN THE CONSTRUCTION LIMITS.

THE RESIDENT ENGINEER WILL PROVIDE MAINTENANCE GUIDES TO THE CONTRACTOR FOR THESE PRACTICES. ALL LOCATIONS WHERE VEHICLES ENTER AND EXIT THE CONSTRUCTION SITE AND ALL OTHER AREAS SUBJECT TO EROSION SHOULD BE INSPECTED PERIODICALLY.

INSPECTION OF THESE AREAS SHALL BE MADE AT LEAST ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF THE END OF EACH 0.5 INCHES OR GREATER RAINFALL, OR AN EQUIVALENT SNOWFALL. THE PROJECT SHALL BE ADDITIONALLY INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

IV. INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT YET BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES AND EQUIPMENT ENTER AND EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.

- A. DISTURBED AREAS, USE AREAS (STORAGE OF MATERIALS, STOCKPILES, MACHINE MAINTENANCE FUELING, ETC.), BORROW SITES, AND WASTE SITES SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS OR POINTS THAT ARE ACCESSIBLE, SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT TRACKING.

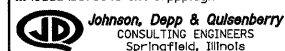
- B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION I ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION II ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 1/2 HOUR TO 1 WEEK BASED ON THE URGENCY OF THE SITUATION. THE RESIDENT ENGINEER WILL NOTIFY THE CONTRACTOR OF THE TIME REQUIRED TO IMPLEMENT SUCH ACTIONS THROUGH THE WEEKLY INSPECTION REPORT.

- C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION IV(B) SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

- D. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER SHALL COMPLETE AND FILE AN "INCIDENCE OF NONCOMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION. THE RESIDENT ENGINEER SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT. THE INCIDENCE OF NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF WATER POLLUTION CONTROL  
ATTN: COMPLIANCE ASSURANCE SECTION  
1021 NORTH GRAND EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276

FILE NAME =	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SWPPP PLAN</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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V. NON-STORM WATER DISCHARGES:

EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER THAT IS COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN MUST BE DESCRIBED BELOW. APPROPRIATE POLLUTION PREVENTION MEASURES, AS DESCRIBED BELOW, WILL BE IMPLEMENTED FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

- A. SPILL PREVENTION AND CONTROL - BMPS SHALL BE IMPLEMENTED TO CONTAIN AND CLEAN-UP SPILLS AND PREVENT MATERIAL DISCHARGES TO THE STORM DRAIN SYSTEM. THE CONTRACTOR SHALL PRODUCE A WRITTEN PLAN STATING HOW HIS/HER COMPANY WILL PREVENT, REPORT, AND CLEAN UP SPILLS AND PROVIDE A COPY TO ALL OF HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL OF HIS/HER EMPLOYEES ON THE PROPER PROTOCOL FOR REPORTING SPILLS. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF ANY SPILLS IMMEDIATELY.
- B. CONCRETE RESIDUALS AND WASHOUT WASTES - THE FOLLOWING BMPS SHALL BE IMPLEMENTED TO CONTROL RESIDUAL CONCRETE, CONCRETE SEDIMENTS, AND RINSE WATER:
  - 1. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED FOR RINSING OUT CONCRETE TRUCKS. SIGNS SHALL BE INSTALLED DIRECTING CONCRETE TRUCK DRIVERS WHERE DESIGNATED WASHOUT FACILITIES ARE LOCATED.
  - 2. THE CONTRACTOR SHALL HAVE THE LOCATION OF TEMPORARY CONCRETE WASHOUT FACILITIES APPROVED BY THE RESIDENT ENGINEER.
  - 3. ALL TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE INSPECTED BY THE CONTRACTOR AFTER EACH USE AND ALL SPILLS MUST BE REPORTED TO THE RESIDENT ENGINEER AND CLEANED UP IMMEDIATELY.
  - 4. CONCRETE WASTE SOLIDS/LIQUIDS SHALL BE DISPOSED OF PROPERLY.
- C. LITTER MANAGEMENT - A PROPER NUMBER OF DUMPSTERS SHALL BE PROVIDED ON SITE TO HANDLE DEBRIS AND LITTER ASSOCIATED WITH THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING HIS/HER EMPLOYEES PLACE ALL LITTER INCLUDING MARKING PAINT CANS, SODA CANS, FOOD WRAPPERS, WOOD LATHE, MARKING RIBBON, CONSTRUCTION STRING, AND ALL OTHER CONSTRUCTION RELATED LITTER IN THE PROPER DUMPSTERS.
- D. VEHICLE AND EQUIPMENT CLEANING - VEHICLES AND EQUIPMENT ARE TO BE CLEANED IN DESIGNATED AREAS ONLY, PREFERABLY OFF SITE.
- E. VEHICLE AND EQUIPMENT FUELING - A VARIETY OF BMPS CAN BE IMPLEMENTED DURING FUELING OF VEHICLES AND EQUIPMENT TO PREVENT POLLUTION. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER AS TO WHICH BMPS WILL BE USED ON THE PROJECT. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER HOW (S)HE WILL BE INFORMING HIS/HER EMPLOYEES OF THESE BMPS (I.E. SIGNS, TRAINING, ETC.). BELOW ARE A FEW EXAMPLES OF THESE BMPS:
  - 1. CONTAINMENT
  - 2. SPILL PREVENTION AND CONTROL
  - 3. USE OF DRIP PANS AND ABSORBENTS
  - 4. AUTOMATIC SHUT-OFF NOZZLES
  - 5. TOPPING OFF RESTRICTIONS
  - 6. LEAK INSPECTION AND REPAIR
- F. VEHICLE AND EQUIPMENT MAINTENANCE - ON SITE MAINTENANCE MUST BE PERFORMED IN ACCORDANCE WITH ALL ENVIRONMENTAL LAWS SUCH AS PROPER STORAGE AND NO DUMPING OF OLD ENGINE OIL OR OTHER FLUIDS ON SITE.

VI. FAILURE TO COMPLY:

FAILURE TO COMPLY WITH ANY PROVISIONS OF THIS STORM WATER POLLUTION PREVENTION PLAN WILL RESULT IN THE IMPLEMENTATION OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION AGAINST THE CONTRACTOR AND/OR PENALTIES UNDER THE NPDES PERMIT WHICH COULD BE PASSED ONTO THE CONTRACTOR.

FILE NAME = ...oaddd\0876C93-ah-t-swppp.dgn  <b>Johnson, Depp &amp; Quisenberry</b> CONSULTING ENGINEERS Springfield, Illinois	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SWPPP PLAN</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	CHECKED -	REVISED -						55	60-(1,2)RS-2	MADISON	156	108
	PLOT SCALE = 50.0000' / IN	DATE -	REVISED -						CONTRACT NO. 76C93				
	PLOT DATE = 06/23/2010 15:35:01	DATE -	REVISED -						SCALE:	SHEET NO.	OF	SHEETS	STA.



TEMPORARY DITCH CHECKS	
LOCATION	FOOT
STA. 671+90	18
STA. 680+15	18
STA. 684+00	18
STA. 688+00	18
STA. 692+00	18
STA. 695+95	18
STA. 696+75	18
STA. 701+00	18
STA. 705+00	18
STA. 709+00	18
STA. 718+90	18
STA. 724+40	18
STA. 728+00	18
STA. 731+50	18
STA. 734+90	18
STA. 736+90	18
STA. 737+10	18
STA. 739+90	18
STA. 740+10	18
STA. 741+60	18
STA. 744+50	18
STA. 753+20	18
STA. 758+00	18
STA. 767+75	18
STA. 775+00	18
STA. 784+30	18
STA. 790+00	18
STA. 798+60	18
STA. 805+00	18
STA. 812+25	18
STA. 815+00	18
STA. 817+00	18
STA. 819+00	18
STA. 821+00	18
STA. 823+00	18
STA. 825+00	18
STA. 826+75	18
STA. 829+20	18
STA. 829+40	18
STA. 832+50	18
STA. 835+50	18
STA. 838+50	18
STA. 841+50	18
STA. 845+00	18
STA. 848+00	18
STA. 851+00	18
STA. 854+00	18
STA. 857+00	18
STA. 863+00	18
STA. 872+80	18
STA. 877+50	18
STA. 880+50	18
STA. 883+50	18
STA. 886+40	18
STA. 886+60	18
STA. 892+00	18
STA. 895+25	18
STA. 902+00	18
STA. 907+25	18
STA. 912+00	18
STA. 926+00	18
STA. 926+25	18
STA. 930+50	18
STA. 934+00	18
STA. 937+00	18
STA. 940+00	18
STA. 946+70	18
STA. 946+90	18
STA. 955+60	18
STA. 963+00	18
STA. 972+50	18
STA. 973+00	18
STA. 983+50	18
STA. 989+90	18
STA. 990+50	18
CONTINUES	

STA. 991+00	18
STA. 991+50	18
STA. 992+00	18
STA. 992+50	18
STA. 993+00	18
STA. 993+50	18
STA. 994+00	18
STA. 994+50	18
STA. 995+00	18
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STA. 1006+65	18
STA. 1008+00	18
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STA. 1016+00	18
STA. 1017+00	18
STA. 1018+65	18
STA. 1018+85	18
STA. 1029+00	18
STA. 1033+00	18
STA. 1035+60	18
STA. 1038+00	18
STA. 1040+50	18
STA. 1043+00	18
STA. 1053+00	18
STA. 1057+50	18
STA. 1061+50	18
STA. 1062+00	18
STA. 1067+00	18
STA. 1072+00	18
STA. 1080+00	18
STA. 1089+80	18
STA. 1096+00	18
STA. 1105+25	18
STA. 1105+50	18
STA. 1112+00	18
STA. 1119+90	18
STA. 1120+10	18
STA. 1122+00	18
STA. 1124+00	18
STA. 1127+50	18
STA. 1132+00	18
STA. 1140+60	18
STA. 1146+00	18
STA. 1159+00	18
STA. 1167+80	18
STA. 1174+30	18
STA. 1176+00	18
STA. 1177+00	18
STA. 1178+00	18
STA. 1179+00	18
STA. 1180+00	18
STA. 1181+00	18
STA. 1182+00	18
STA. 1183+00	18
STA. 1183+80	18
STA. 1184+50	18
STA. 1185+20	18
STA. 1185+90	18
STA. 1187+00	18
STA. 1188+00	18
CONTINUES	

STA. 1188+70	18
STA. 1188+90	18
STA. 1190+70	18
STA. 1192+00	18
STA. 1193+00	18
STA. 1194+10	18
STA. 1195+00	18
STA. 1196+00	18
STA. 1197+00	18
STA. 1198+00	18
STA. 1199+00	18
STA. 1200+00	18
STA. 1201+00	18
STA. 1203+00	18
STA. 1216+00	18
STA. 1221+00	18
STA. 1223+00	18
STA. 1224+80	18
STA. 1226+50	18
STA. 1228+00	18
STA. 1230+10	18
STA. 1230+30	18
STA. 1231+70	18
STA. 1233+00	18
STA. 1235+10	18
STA. 1236+50	18
STA. 1237+90	18
STA. 1239+30	18
STA. 1240+70	18
STA. 1242+10	18
STA. 1243+50	18
STA. 1244+60	18
STA. 1250+50	18
STA. 1253+00	18
STA. 1258+35	18
STA. 1259+00	18
STA. 1262+50	18
TOTAL =	3,438

PERIMETER EROSION BARRIER	
LOCATION	FOOT
RT. STA. 676+00.00 TO RT. STA. 678+00.00	200
LT. STA. 994+00.00 TO LT. STA. 1001+00.00	700
RT. STA. 994+00.00 TO RT. STA. 1002+00.00	800
LT. STA. 1004+00.00 TO LT. STA. 1011+00.00	700
RT. STA. 1005+00.00 TO RT. STA. 1013+00.00	800
TOTAL =	3,200

FILE NAME =  
...d876c93-eh-erosion-plan.dgn  
**JD** Johnson, Depp & Quisenberry  
CONSULTING ENGINEERS  
Springfield, Illinois

USER NAME = SJS	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -
PLOT DATE = 06/23/2010 15:35:18	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF EROSION CONTROL QUANTITIES**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2)RS-2	MADISON	156	109
CONTRACT NO. 76C93				
ILLINOIS FED. AID PROJECT				

SEEDING, CLASS 2		
LOCATION	AREA (SQ. FT.)	ACRE
STA. 668+00 TO STA. 1001+85	1,669,250	38.3
STA. 1004+12 TO STA. 1263+98	1,299,300	29.8
IL 140 RAMPS:		
STA. 100+33 TO STA. 110+52	20,380	0.5
STA. 203+16 TO STA. 218+81	31,300	0.7
STA. 300+38 TO STA. 311+11	21,460	0.5
STA. 403+35 TO STA. 418+62	30,540	0.7
NBL REST AREA RAMPS:		
STA. 102+84 TO STA. 108+75	11,820	0.3
STA. 134+10 TO STA. 138+40	8,600	0.2
SBL REST AREA RAMPS:		
STA. 102+67 TO STA. 108+60	11,860	0.3
STA. 134+30 TO STA. 142+89	17,180	0.4
IL 143 RAMPS:		
STA. 100+34 TO STA. 113+03	25,380	0.6
STA. 203+25 TO STA. 219+46	32,420	0.7
STA. 300+34 TO STA. 313+48	26,280	0.6
STA. 400+10 TO STA. 418+32	36,440	0.8
TOTAL =		74.4 (USE 75)

NITROGEN FERTILIZER NUTRIENT		
LOCATION	ACRE	POUND
SEE SEEDING, CLASS 2A	75	6,750
TOTAL =		6,750

PHOSPHORUS FERTILIZER NUTRIENT		
LOCATION	ACRE	POUND
SEE SEEDING, CLASS 2A	75	6,750
TOTAL =		6,750

POTASSIUM FERTILIZER NUTRIENT		
LOCATION	ACRE	POUND
SEE SEEDING, CLASS 2A	75	7,500
TOTAL =		7,500

MULCH, METHOD 2		
LOCATION	AREA (SQ. FT.)	ACRE
STA. 668+00 TO STA. 1001+85	1,669,250	38.3
STA. 1004+12 TO STA. 1263+98	1,299,300	29.8
IL 140 RAMPS:		
STA. 100+33 TO STA. 110+52	20,380	0.5
STA. 203+16 TO STA. 218+81	31,300	0.7
STA. 300+38 TO STA. 311+11	21,460	0.5
STA. 403+35 TO STA. 418+62	30,540	0.7
NBL REST AREA RAMPS:		
STA. 102+84 TO STA. 108+75	11,820	0.3
STA. 134+10 TO STA. 138+40	8,600	0.2
SBL REST AREA RAMPS:		
STA. 102+67 TO STA. 108+60	11,860	0.3
STA. 134+30 TO STA. 142+89	17,180	0.4
IL 143 RAMPS:		
STA. 100+34 TO STA. 113+03	25,380	0.6
STA. 203+25 TO STA. 219+46	32,420	0.7
STA. 300+34 TO STA. 313+48	26,280	0.6
STA. 400+10 TO STA. 418+32	36,440	0.8
TOTAL =		74.4 (USE 75)

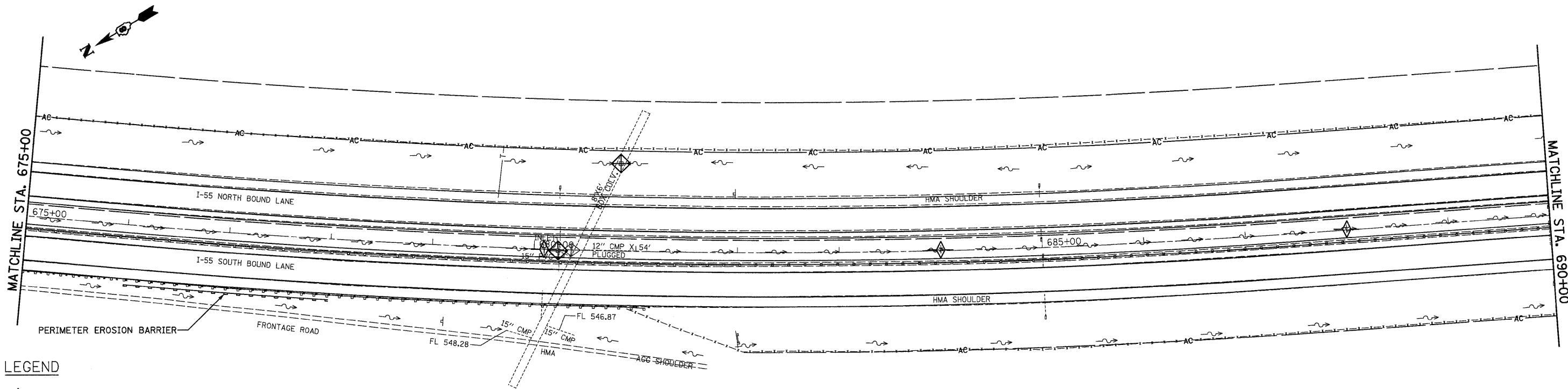
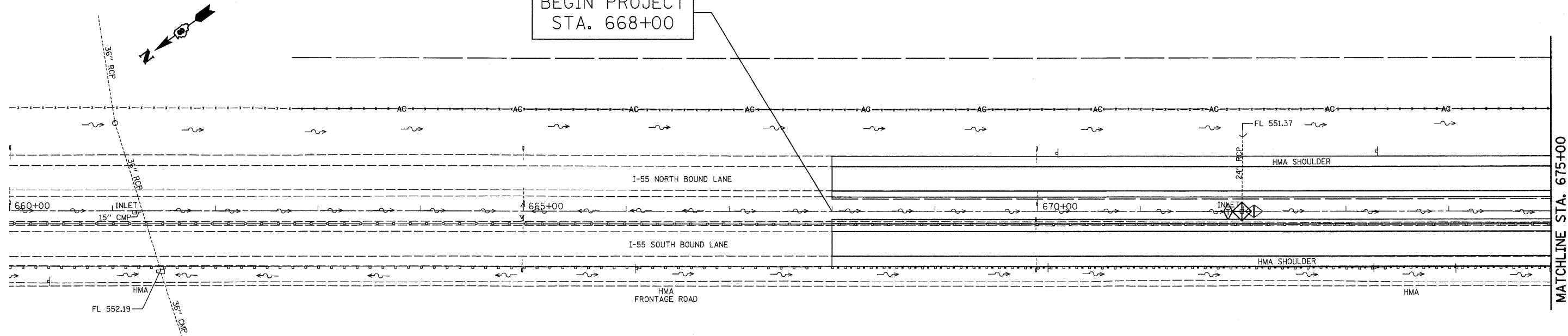
TEMPORARY EROSION CONTROL SEEDING		
LOCATION	ACRE	POUND
SEE SEEDING, CLASS 2A	75	7,500
TOTAL =		7,500

STONE RIPRAP, CLASS A2 FILTER FABRIC		
LOCATION	STONE RIPRAP SQ. YD.	FILTER FABRIC SQ. YD.
HIGH TENSION CABLE MEDIAN BARRIER & TERMINALS	25,972	25,972
TOTAL =	25,972	25,972




EROSION CONTROL BLANKET	
LOCATION	SQ. YD.
PIPE UNDERDRAIN OUTLETS	1,608
TOTAL =	1,608

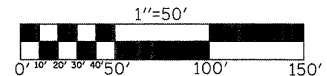
INLET AND PIPE PROTECTION	
LOCATION	EACH
STA. 672+00	1
STA. 680+25	1
LT. STA. 680+84	1
STA. 696+03	1
RT. STA. 696+05	1
LT. STA. 696+48	1
STA. 696+64	1
STA. 718+99	1
STA. 724+55	1
STA. 735+00	1
STA. 737+00	1
STA. 740+00	1
STA. 741+50	1
STA. 753+30	1
STA. 767+84	1
STA. 784+42	1
STA. 798+72	1
STA. 812+35	1
STA. 826+82	1
STA. 826+88	1
STA. 829+26	1
STA. 844+84	1
STA. 872+94	1
STA. 886+49	1
STA. 895+12	1
STA. 907+11	1
STA. 926+14	1
STA. 936+89	1
STA. 946+79	1
STA. 955+72	1
LT. STA. 955+78	1
STA. 972+62	1
STA. 972+93	1
STA. 983+42	1
STA. 989+78	1
STA. 999+77	1
STA. 1006+75	1
STA. 1018+75	1
STA. 1035+52	1
LT. STA. 1061+60	1
STA. 1061+65	1
STA. 1061+80	1
LT. STA. 1061+82	1
STA. 1089+94	1
RT. STA. 1105+05	1
STA. 1105+38	1
RT. STA. 1106+05	1
STA. 1120+00	1
STA. 1127+35	1
STA. 1140+46	1
STA. 1167+94	1
STA. 1174+44	1
STA. 1186+00	1
LT. STA. 1188+52	1
STA. 1188+79	1
RT. STA. 1189+80	1
STA. 1190+60	1
STA. 1191+78	1
RT. STA. 1192+04	1
STA. 1194+00	1
STA. 1215+07	1
STA. 1224+90	1
STA. 1230+20	1
STA. 1235+00	1
STA. 1244+48	1
STA. 1250+68	1
STA. 1258+45	1
STA. 1258+95	1
TOTAL =	68


BEGIN PROJECT  
STA. 668+00

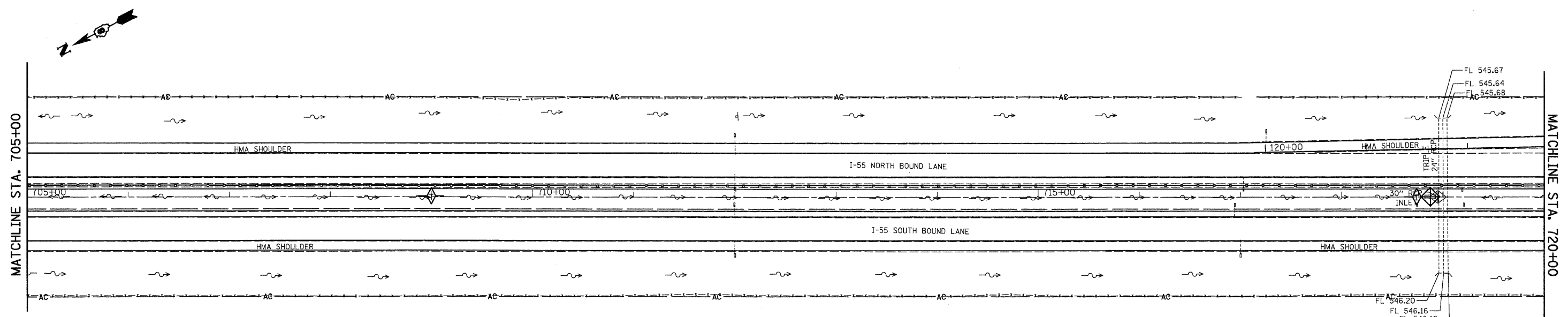
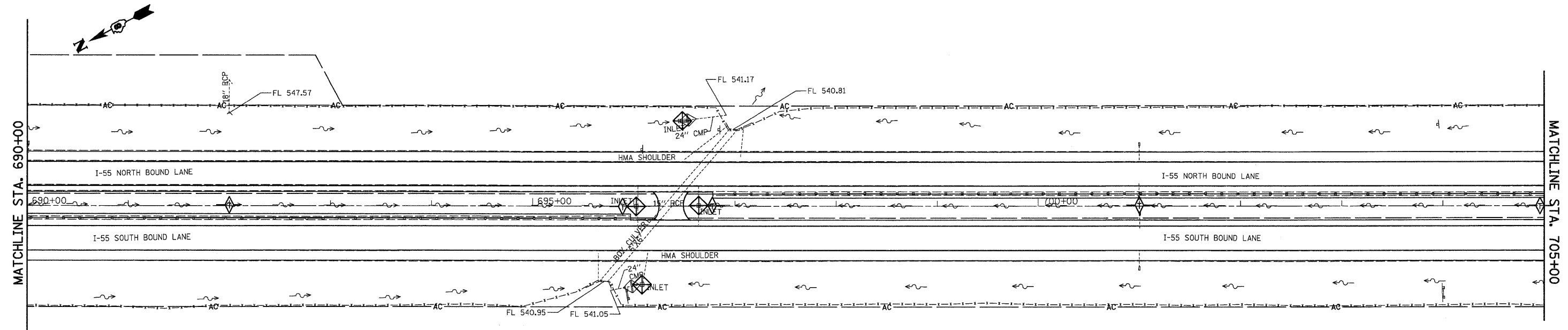


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


-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION

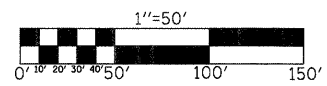



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 Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		SCALE: 1"=50'	SHEET NO.	OF	SHEETS	STA. 668+00 TO STA. 690+00	CONTRACT NO. 76C93		
	PLOT DATE = 06/23/2010 15:35:19	CHECKED -	REVISED -							ILLINOIS FED. AID PROJECT		
		DATE	REVISED -									

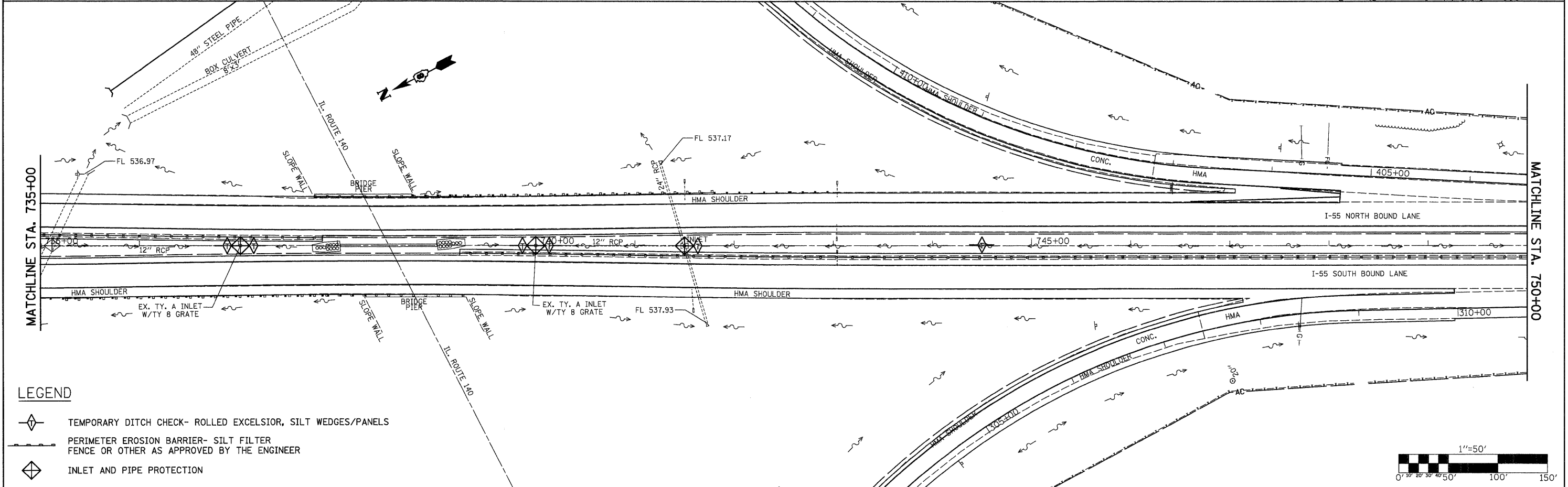
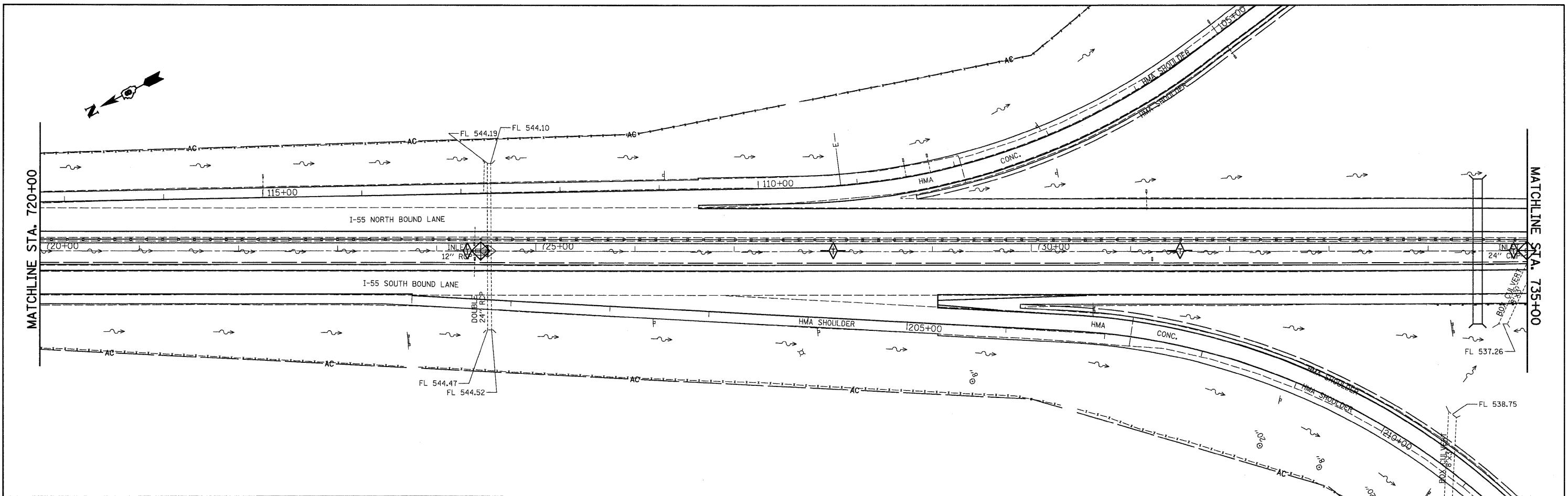


**LEGEND**

-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION

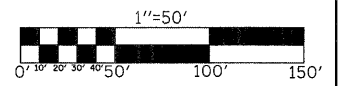


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	PLOT SCALE = 50.0000' / IN. PLOT DATE = 06/23/2010 15:35:19	CHECKED - DATE -	REVISED - REVISED -		SCALE: 1"=50' SHEET NO. OF SHEETS STA. 690+00 TO STA. 720+00	CONTRACT NO. 76C93 ILLINOIS FED. AID PROJECT						

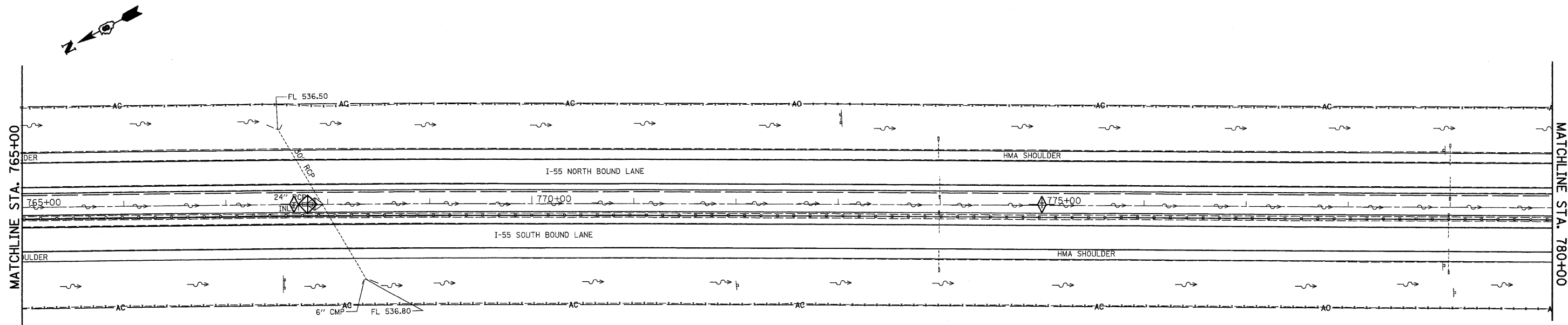
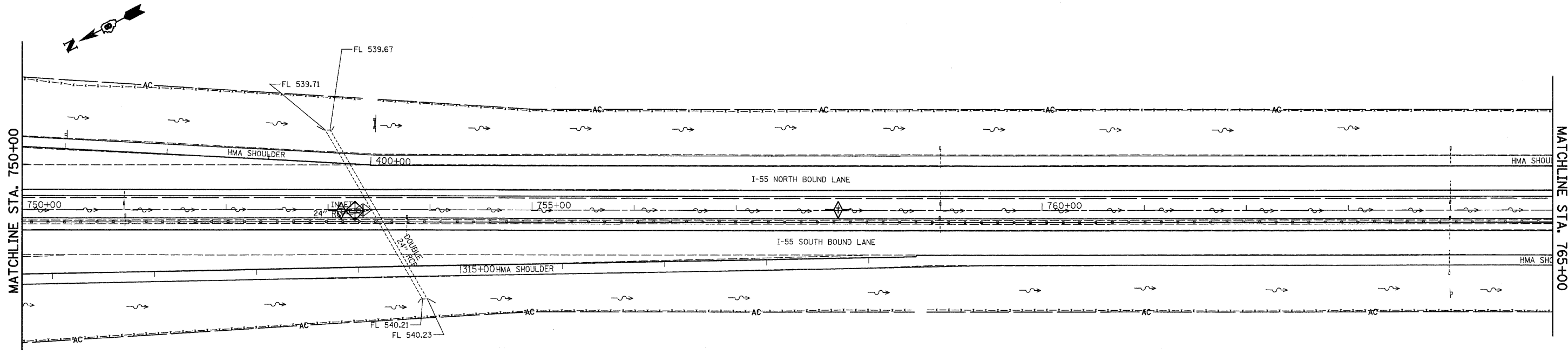


**LEGEND**




- TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
- PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- INLET AND PIPE PROTECTION

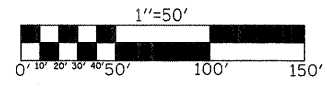


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	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		SCALE: 1"=50'	SHEET NO.	OF	SHEETS	STA. 720+00 TO STA. 750+00	CONTRACT NO. 76C93		
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		DATE -	REVISED -									

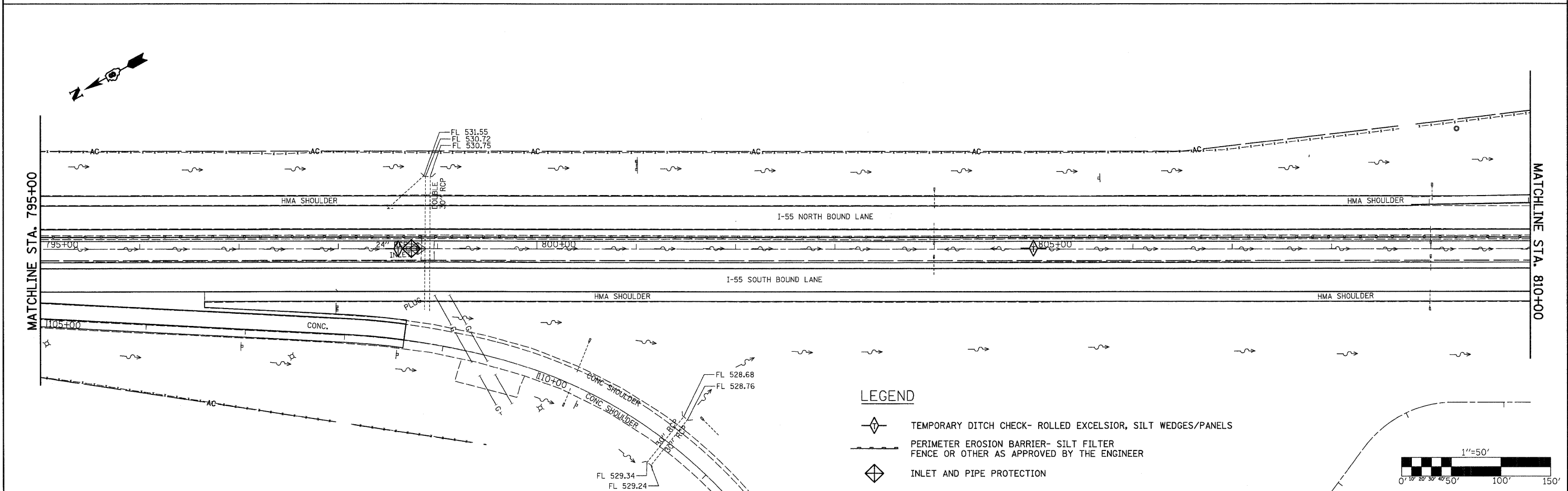
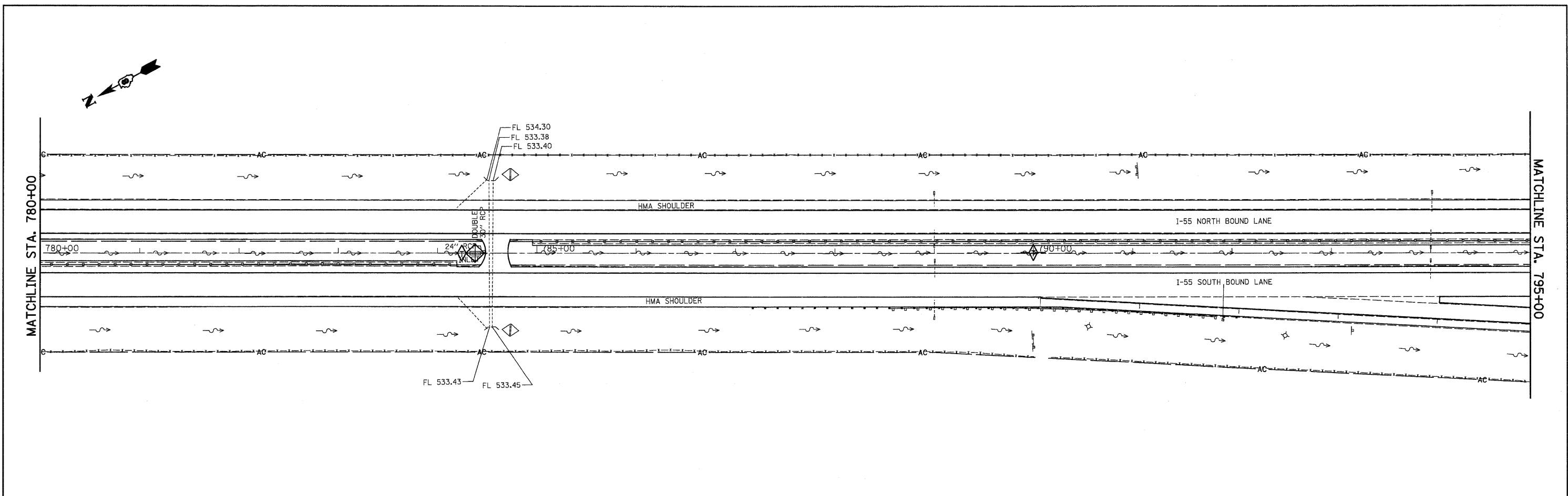


**LEGEND**




-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION

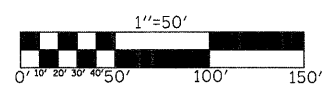



FILE NAME = ...d876e93-shr-erosion_plan.DGN  Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	USER NAME = SJS	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN</b>			F.A.I. RTE. 55	SECTION 60-1,2/RS-2	COUNTY MADISON	TOTAL SHEETS 156	SHEET NO. 114
	PLOT SCALE = 50.0000' / IN. PLOT DATE = 06/23/2010 15:35:21	SCALE: 1"=50' SHEET NO. OF SHEETS STA. 750+00 TO STA. 780+00	CONTRACT NO. 76C93 ILLINOIS FED. AID PROJECT									

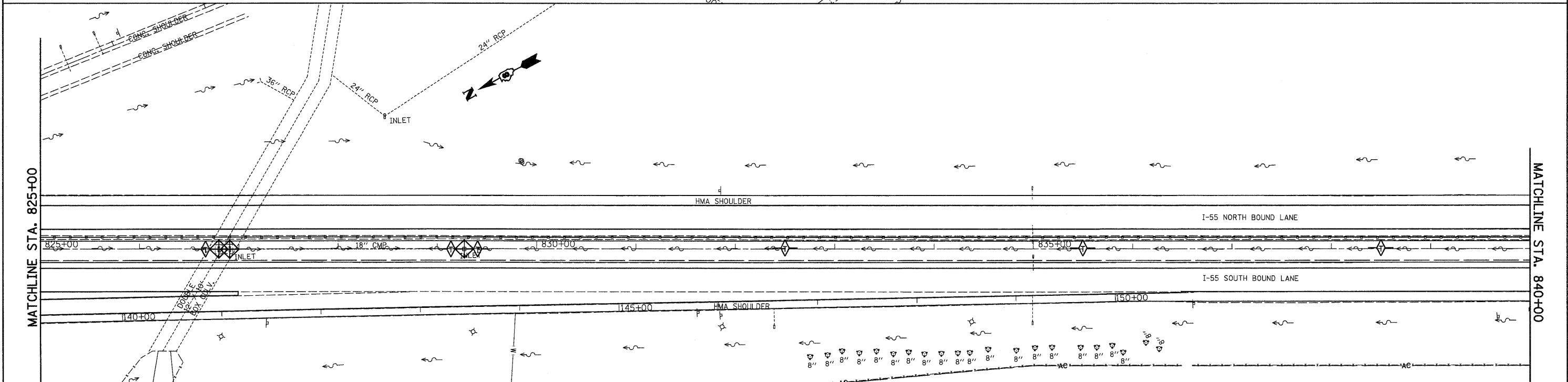
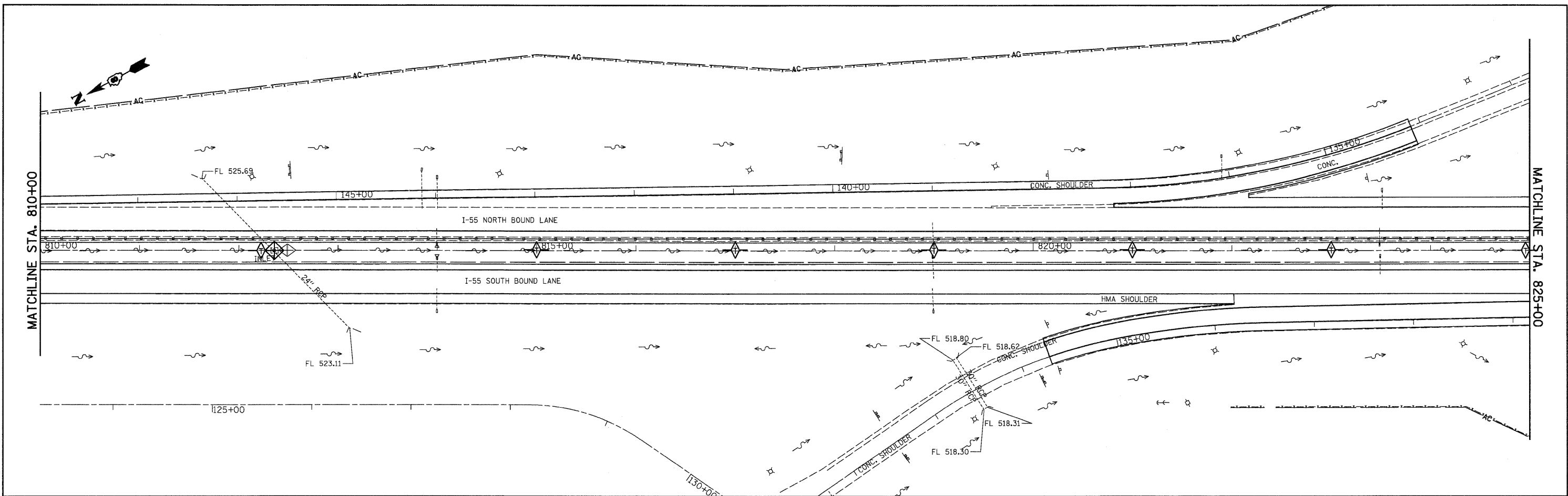


**LEGEND**




-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION

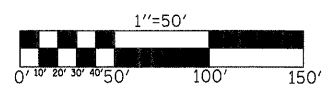


FILE NAME = ...\\d876e93-shr-erosion_plan.DGN  Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -					55	60-1,2)RS-2	MADISON	156	115
PLOT DATE = 06/23/2010 15:35:21	CHECKED -	REVISED -	CONTRACT NO. 76C93									
	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									
					SCALE: 1"=50'			SHEET NO. OF SHEETS STA. 780+00 TO STA. 810+00				



**LEGEND**

-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION



FILE NAME =  
 ...d876e93-shr-erosion\_plan.DGN  
 **Johnson, Depp & Quisenberry**  
 CONSULTING ENGINEERS  
 Springfield, Illinois

USER NAME = SJS  
 PLOT SCALE = 50.0000' / IN.  
 PLOT DATE = 06/23/2010 15:35:22

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
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 REVISED -  
 REVISED -

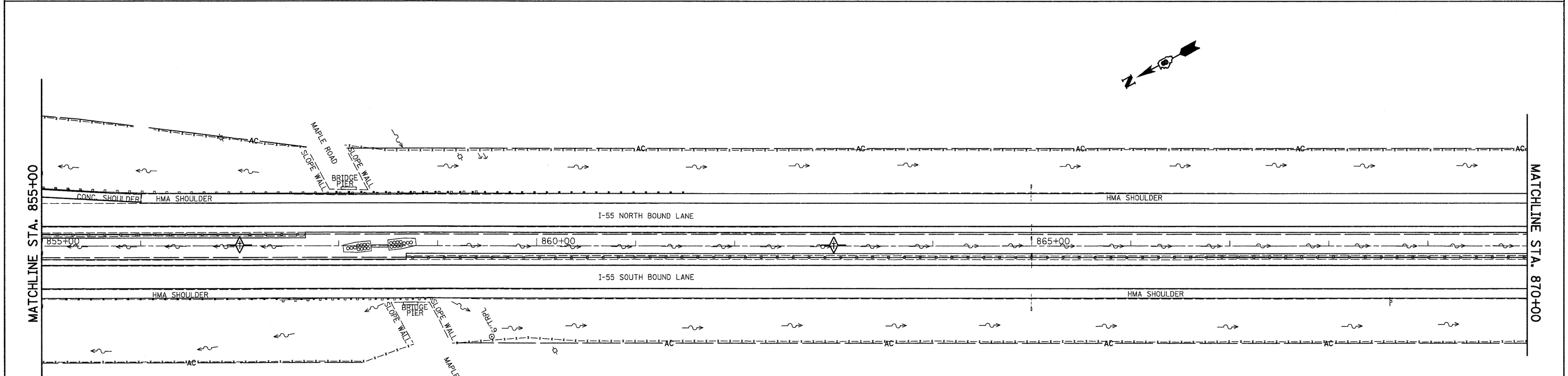
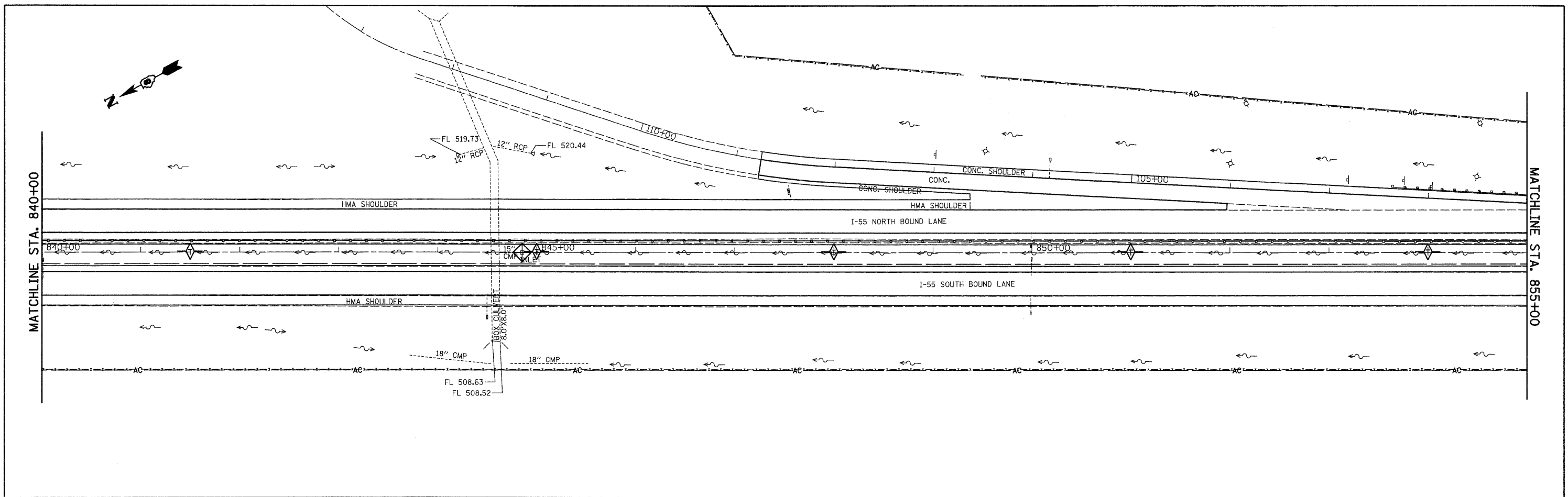
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 810+00 TO STA. 840+00

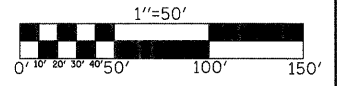
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-1L2RS-2	MADISON	156	116
CONTRACT NO. 76C93				
ILLINOIS FED. AID PROJECT				



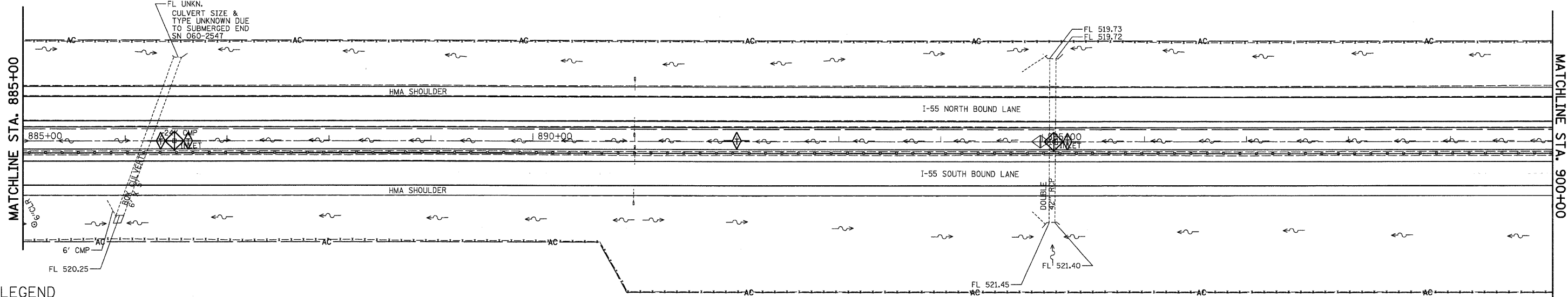
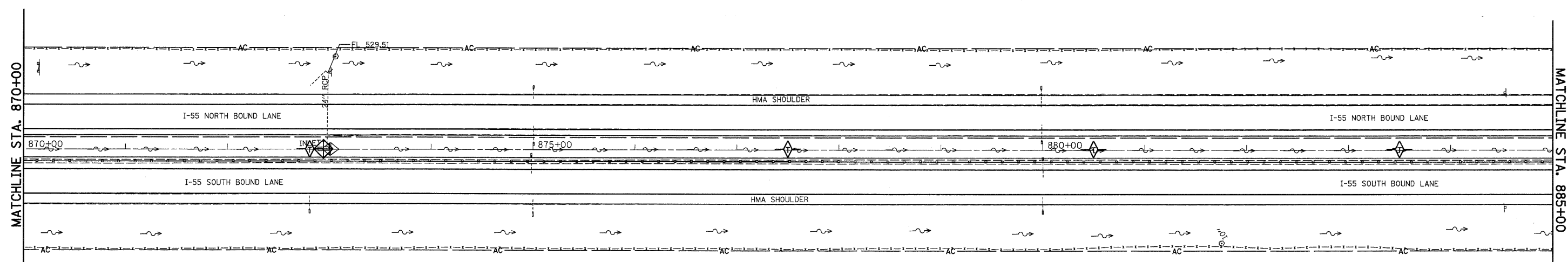


**LEGEND**

- TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
- PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- INLET AND PIPE PROTECTION

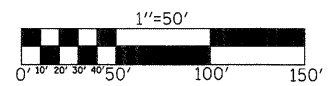


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	PLOT SCALE = 50.0000' / IN. PLOT DATE = 06/23/2010 15:35:22	DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED -			SCALE: 1"=50' SHEET NO. OF SHEETS STA. 840+00 TO STA. 870+00	CONTRACT NO. 76C93 ILLINOIS FED. AID PROJECT			



**LEGEND**

- TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
- PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- INLET AND PIPE PROTECTION



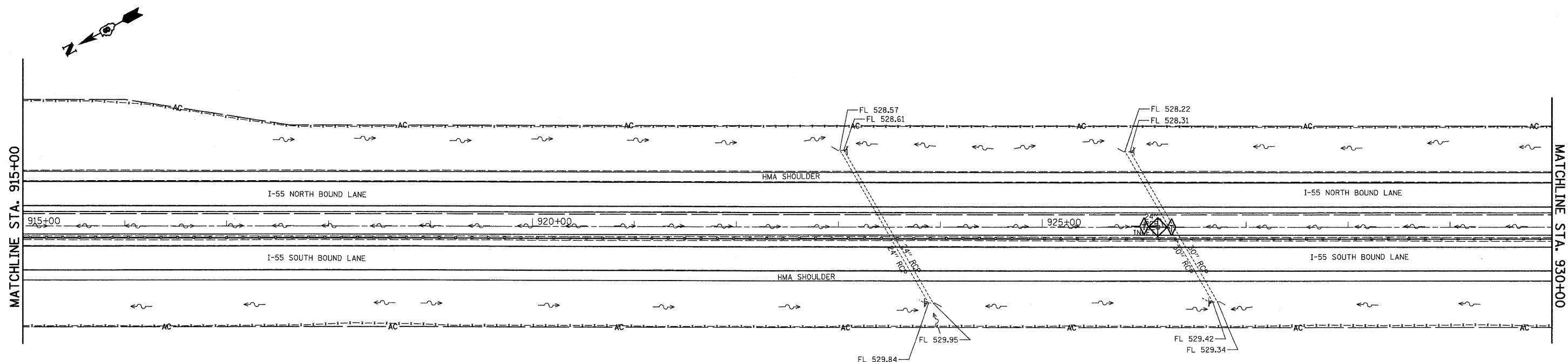
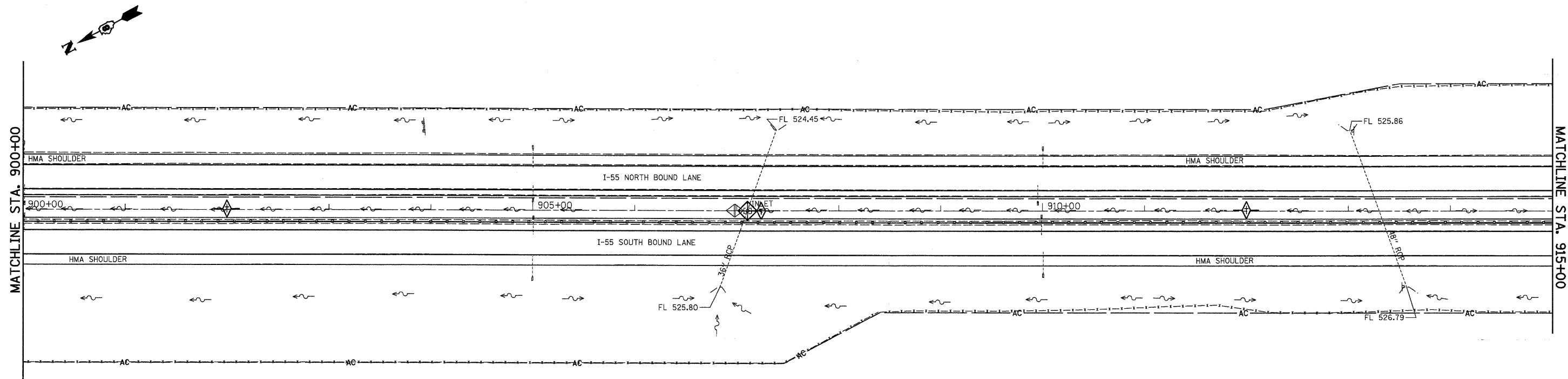
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	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**




**EROSION CONTROL PLAN**

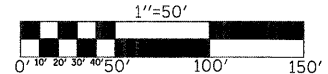
SCALE: 1"=50'    SHEET NO.    OF    SHEETS    STA. 870+00 TO STA. 900+00


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2)RS-2	MADISON	156	118
CONTRACT NO. 76C93				
ILLINOIS FED. AID PROJECT				

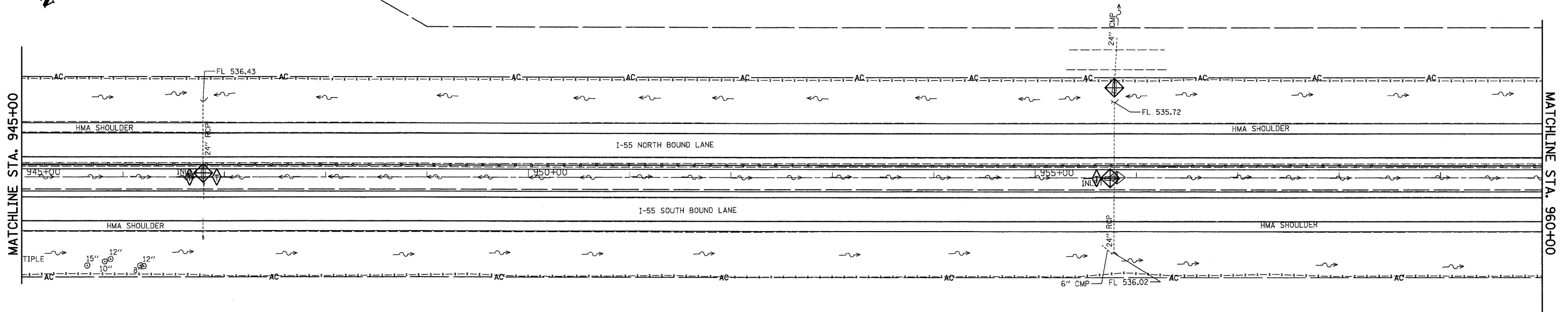
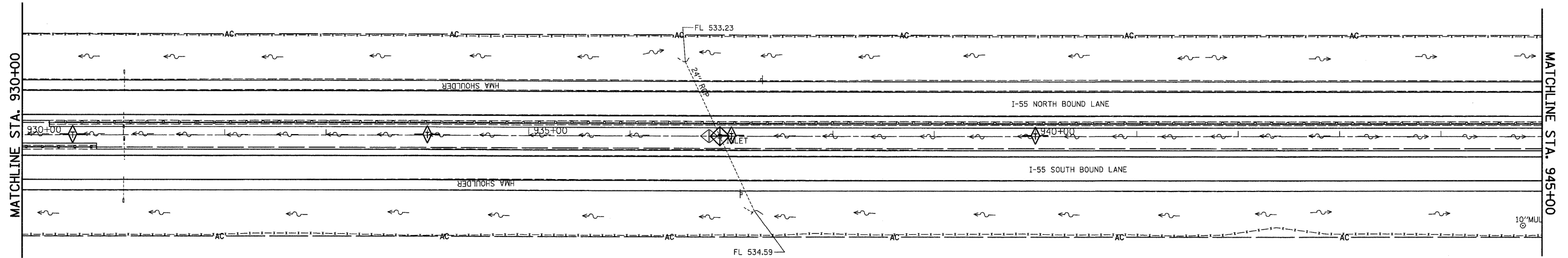


**LEGEND**

-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION

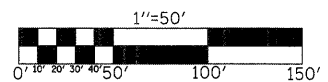


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 Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -					SCALE: 1"=50'	SHEET NO.	OF	SHEETS	STA. 900+00 TO STA. 930+00
	PLOT DATE = 06/23/2010 15:35:23	CHECKED -	REVISED -									
		DATE -	REVISED -									



**LEGEND**

- TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
- PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- INLET AND PIPE PROTECTION



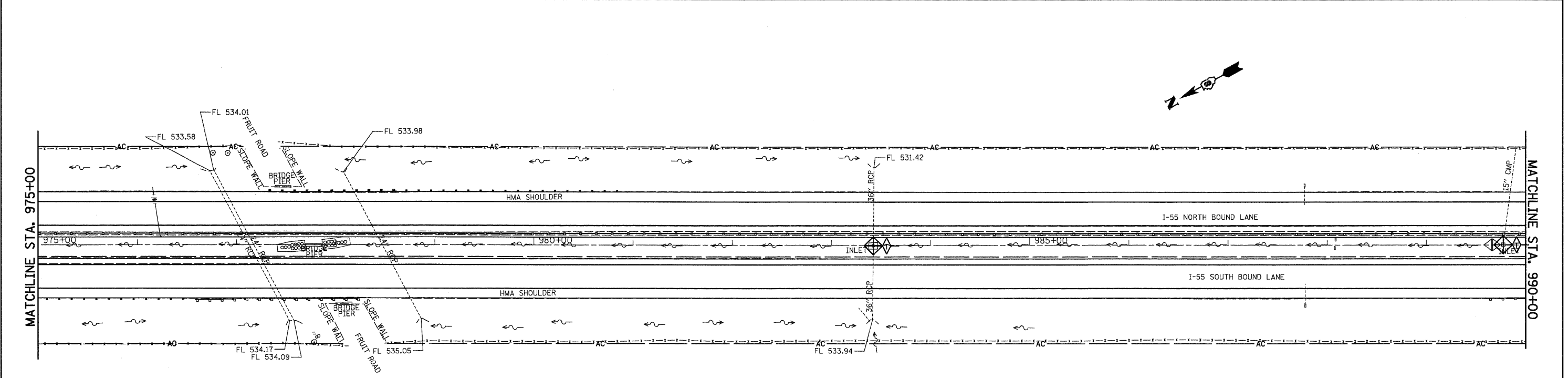
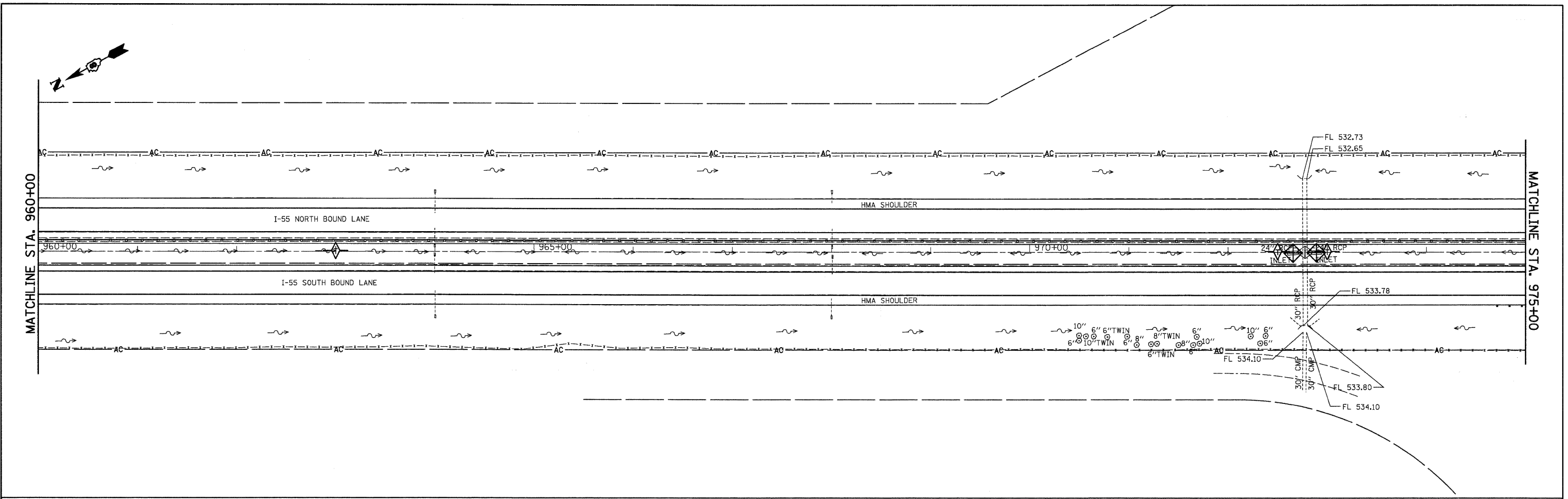
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	PLOT DATE = 06/23/2010 15:35:24	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

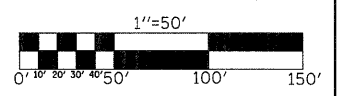
**EROSION CONTROL PLAN**

SCALE: 1"=50'    SHEET NO.    OF    SHEETS    STA. 930+00 TO STA. 960+00

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2)RS-2	MADISON	156	120
				CONTRACT NO. 76C93
ILLINOIS FED. AID PROJECT				



- LEGEND**
- TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
  - PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
  - INLET AND PIPE PROTECTION

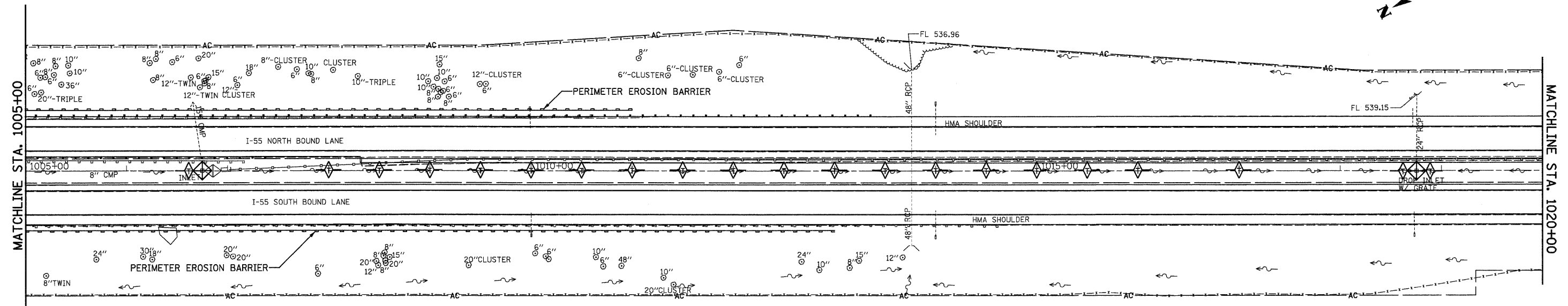
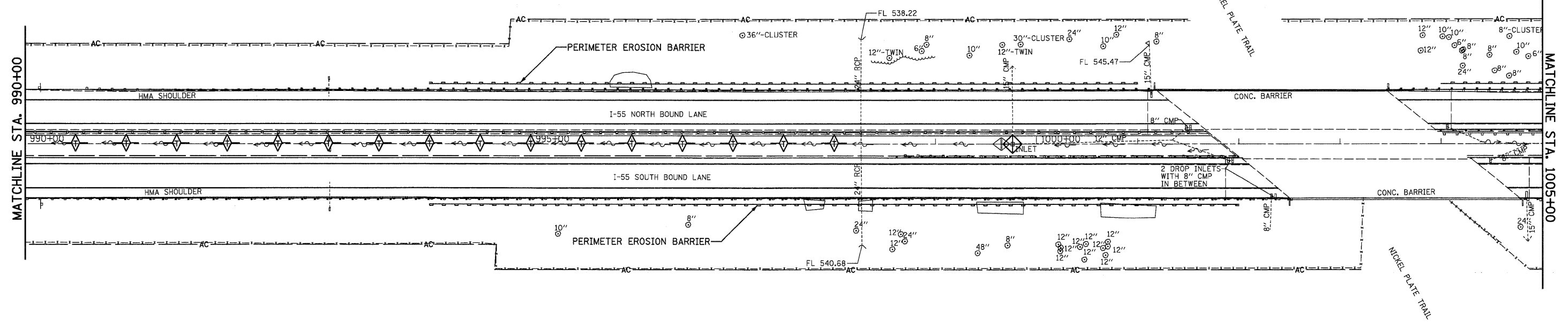


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Johnson, Dopp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -
	PLOT DATE = 06/23/2010 15:35:24	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

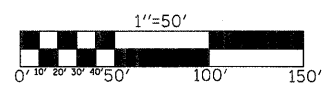
<b>EROSION CONTROL PLAN</b>			
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 960+00 TO STA. 990+00	

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2)RS-2	MADISON	156	121
CONTRACT NO. 76C93			ILLINOIS FED. AID PROJECT	

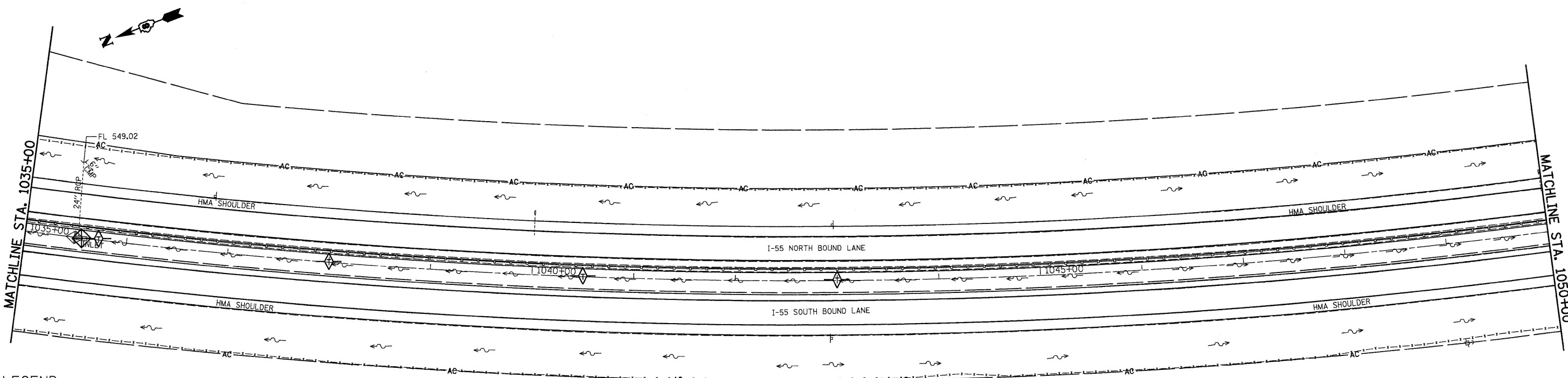
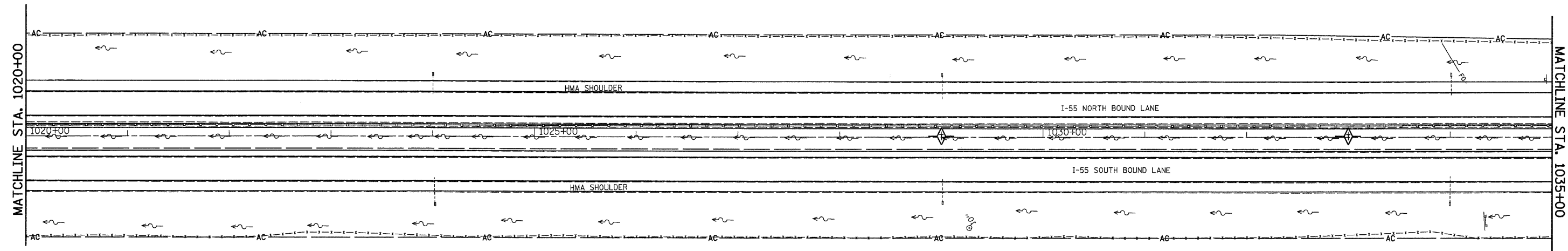


**LEGEND**

- TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
- PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- INLET AND PIPE PROTECTION

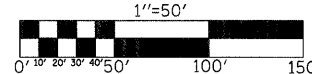


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										CONTRACT NO. 76C93		ILLINOIS FED. AID PROJECT	

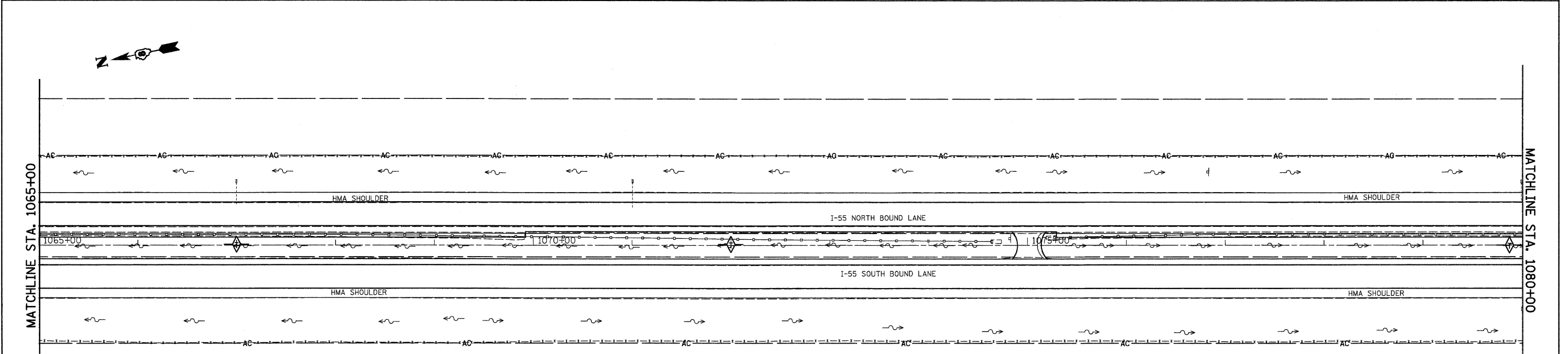
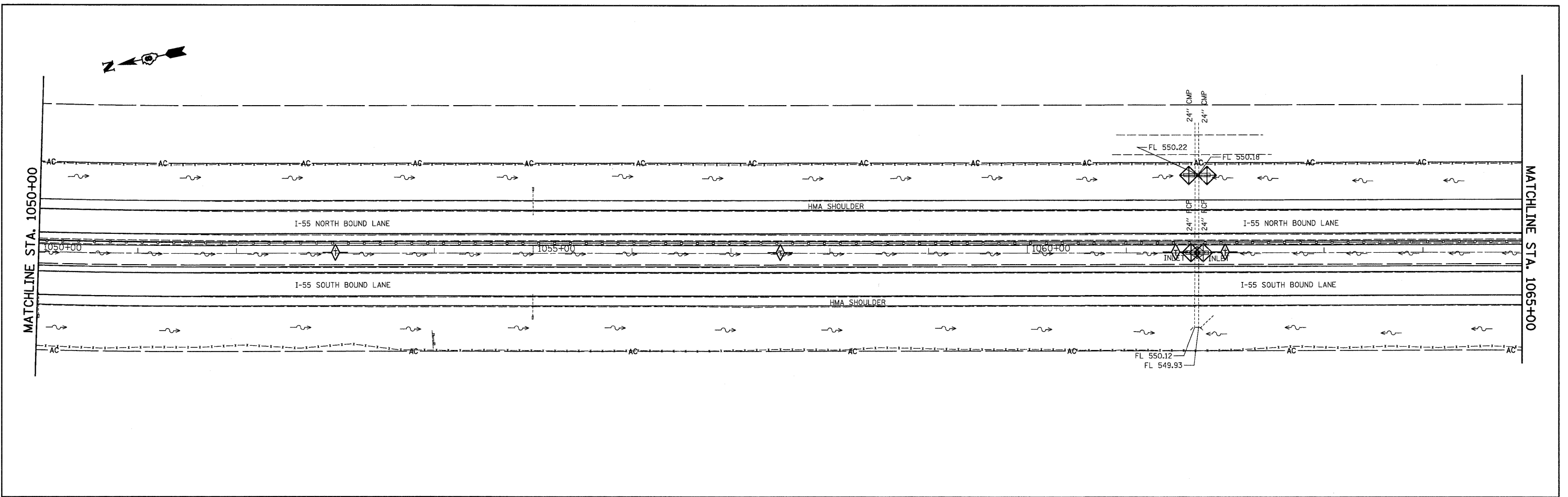


**LEGEND**




- TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
- PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- INLET AND PIPE PROTECTION

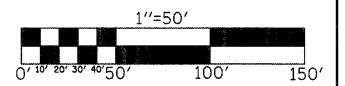



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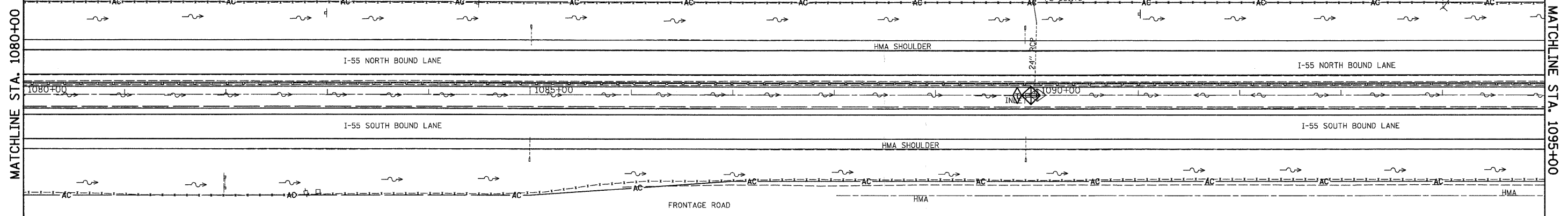
**LEGEND**

-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION






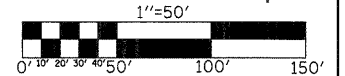
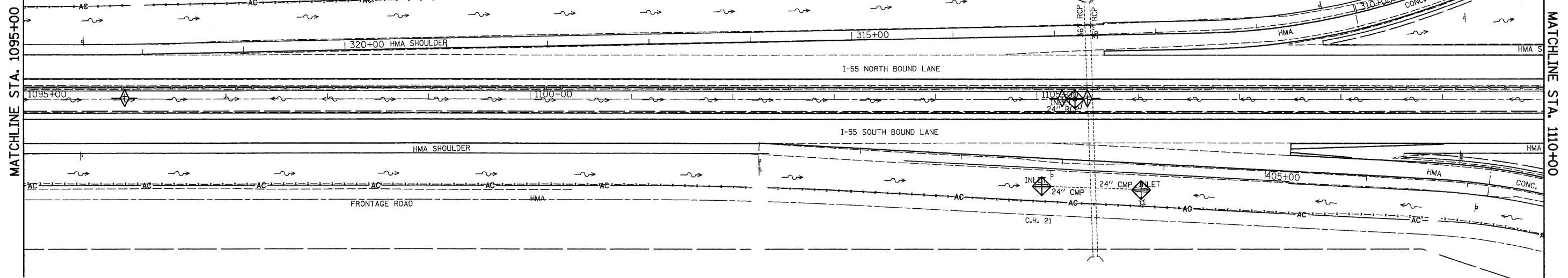
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 Johnson, Dapp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 1050+00 TO STA. 1080+00	CONTRACT NO. 76C93				
	PLOT DATE = 06/23/2010 15:35:27	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



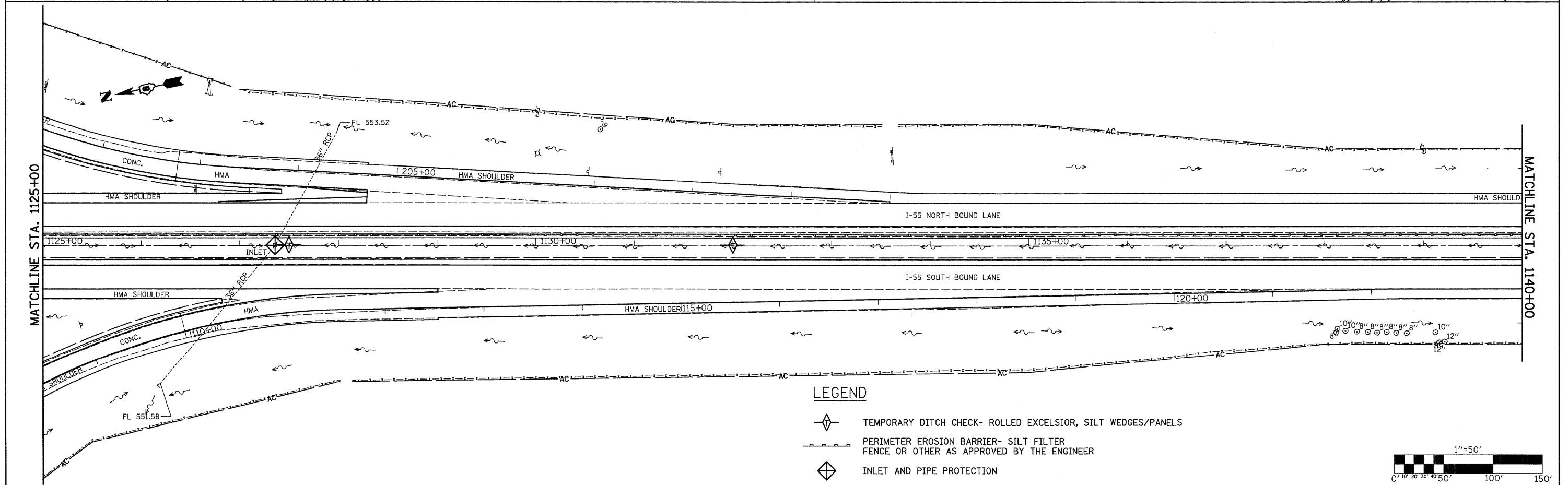
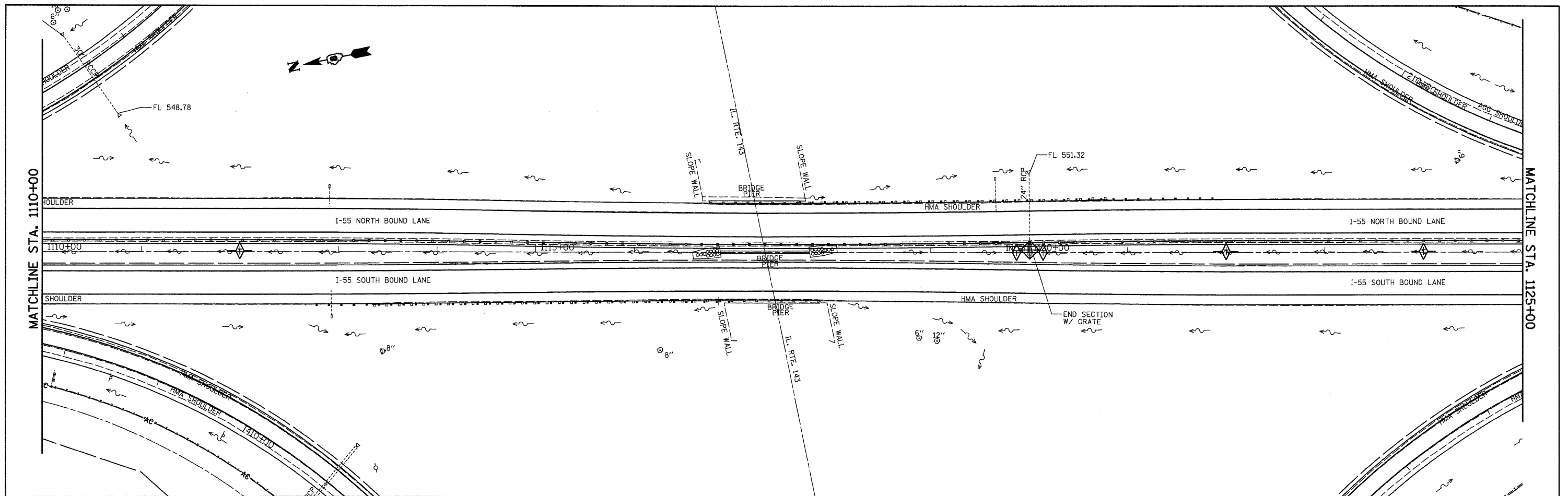


**LEGEND**




-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION

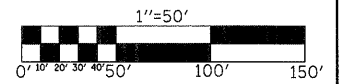



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	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -					CONTRACT NO. 76C93				
	CHECKED -	REVISED -	ILLINOIS FED. AID PROJECT									
	DATE -	REVISED -										
PLOT DATE = 06/23/2010 15:35:27		DATE -	REVISED -	SCALE: 1"=50'			SHEET NO. OF SHEETS		STA. 1080+00 TO STA. 1110+00			

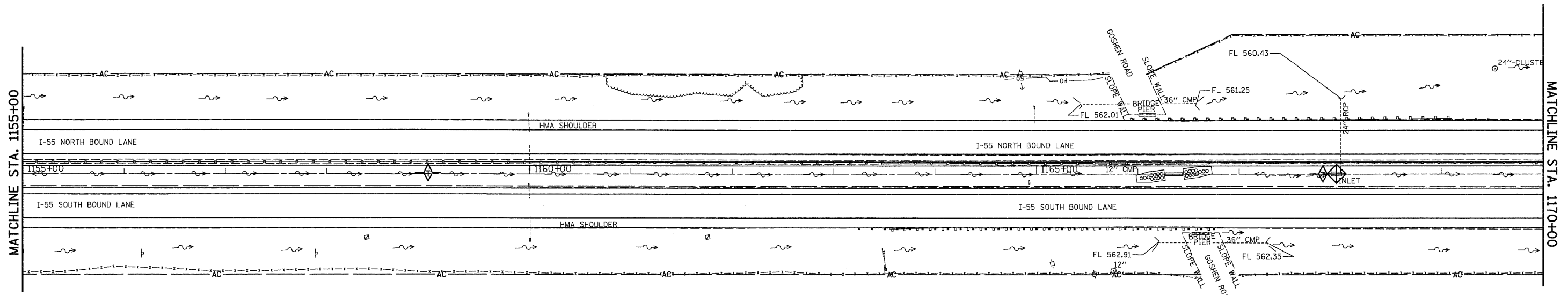
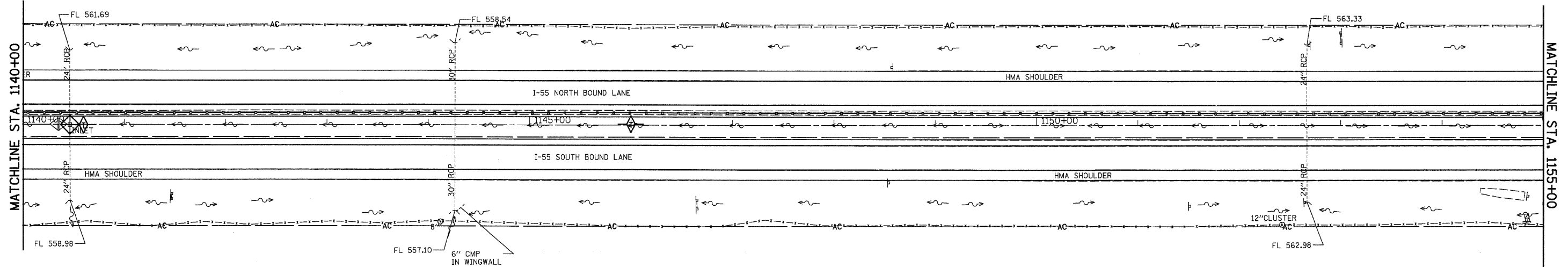


**LEGEND**

-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION

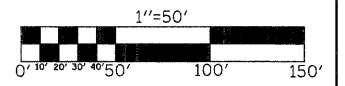


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				SCALE: 1"=50'			SHEET NO. OF SHEETS STA. 1110+00 TO STA. 1140+00					

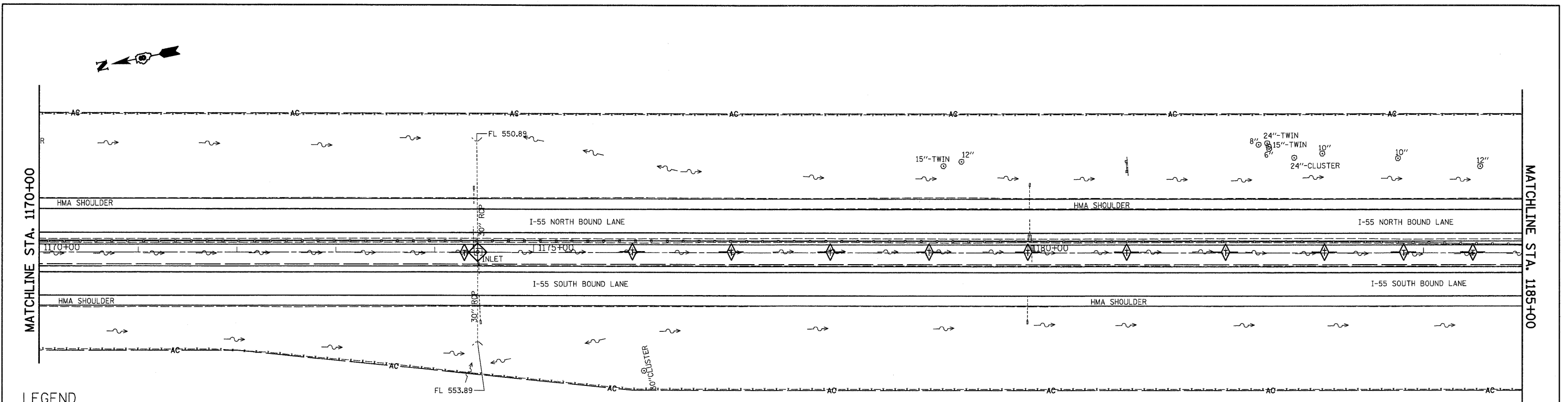


**LEGEND**

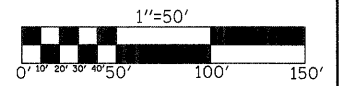
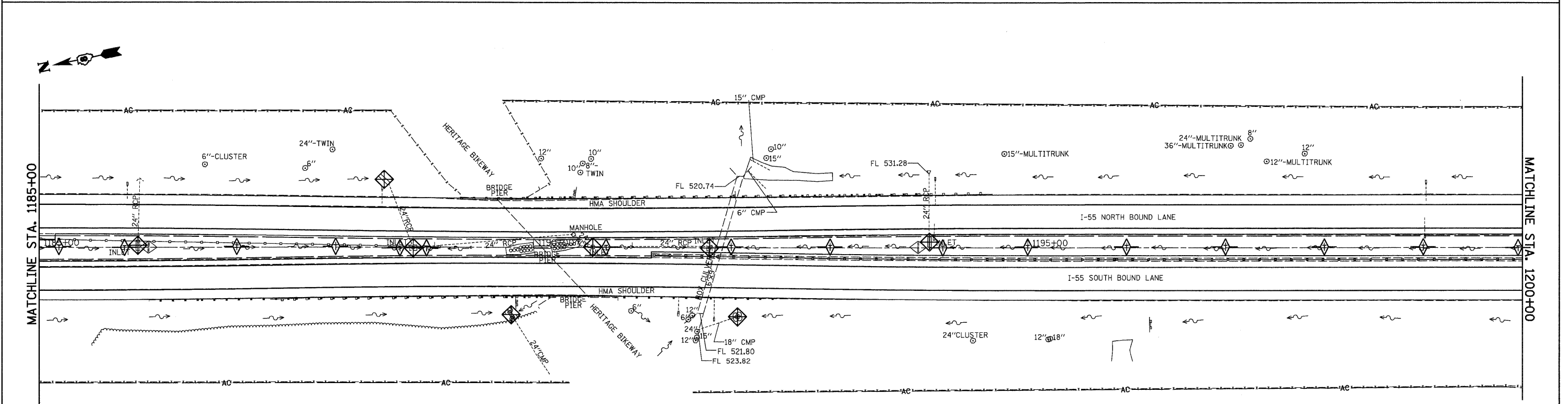
- TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
- PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- INLET AND PIPE PROTECTION



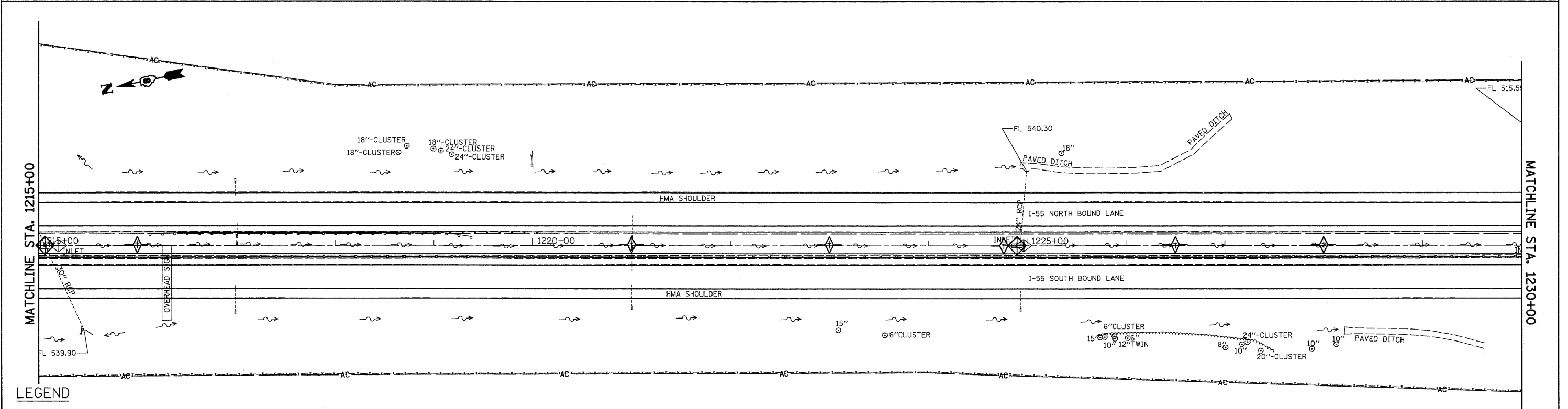
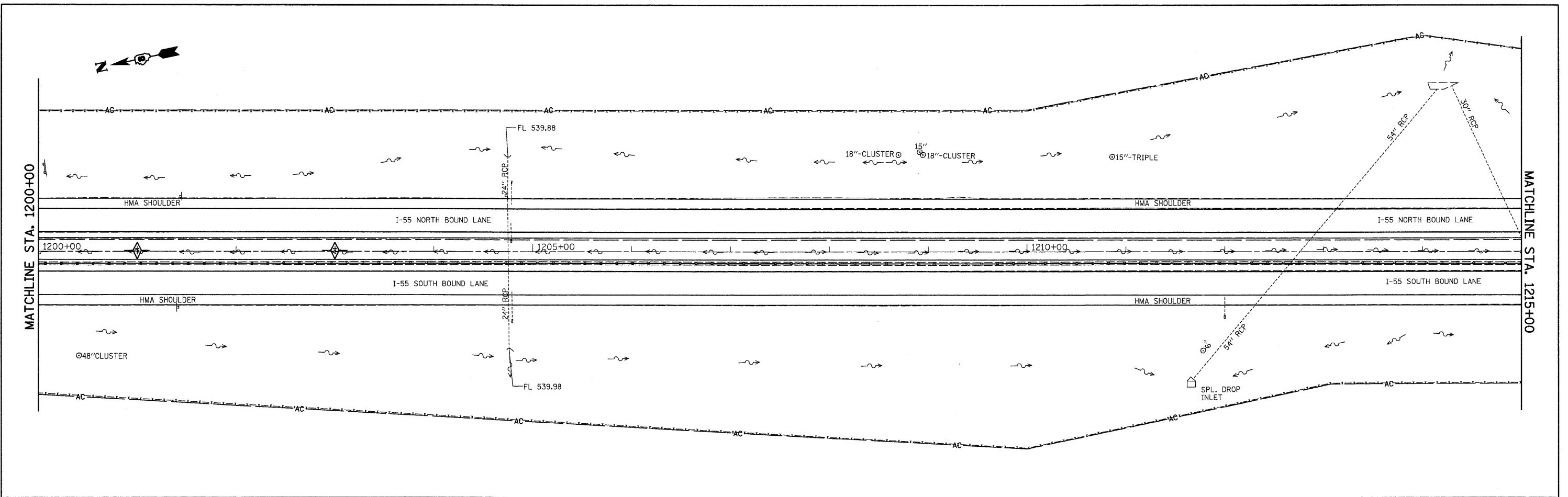
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	PLOT SCALE = 50.0000' / IN. PLOT DATE = 06/23/2010 15:35:28	CHECKED - DATE -	REVISED - REVISED -					SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 1140+00 TO STA. 1170+00	CONTRACT NO. 76C93 ILLINOIS FED. AID PROJECT	



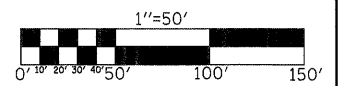
- LEGEND**
- TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
  - PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
  - INLET AND PIPE PROTECTION



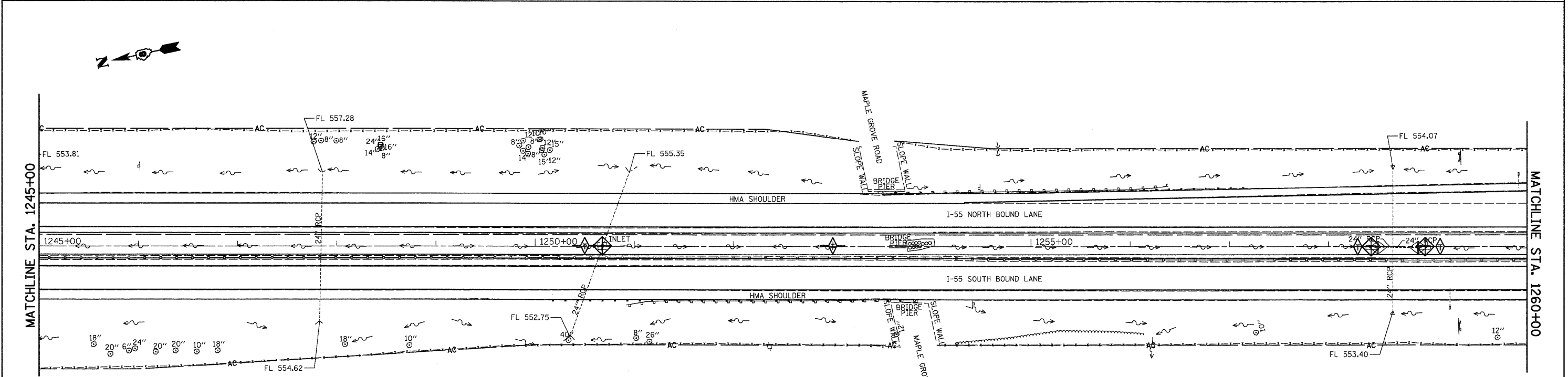
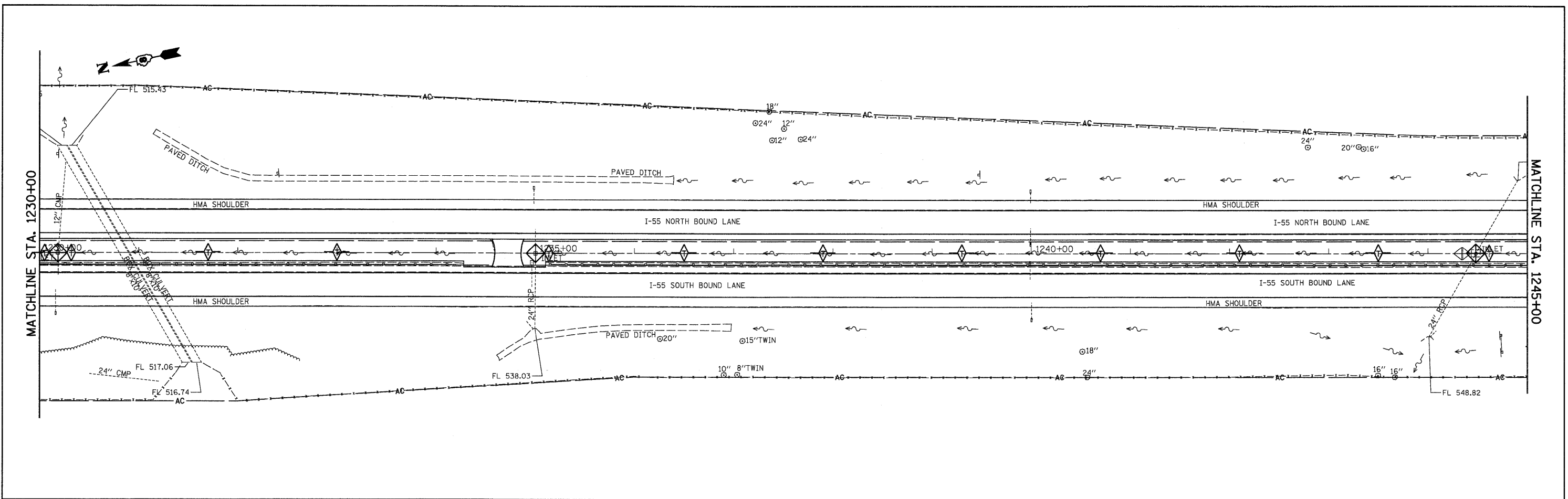
FILE NAME = ...db76e93-shr-erosion-plan.DGN 	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET NO.	OF	SHEETS	STA. 1170+00 TO STA. 1200+00	55	60-(1,2)RS-2	MADISON
PLOT DATE = 06/23/2010 15:35:29	DATE -	REVISED -	REVISED -				CONTRACT NO. 76C93			ILLINOIS FED. AID PROJECT		



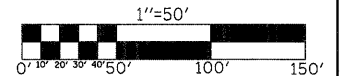
- LEGEND**
- TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
  - PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
  - INLET AND PIPE PROTECTION



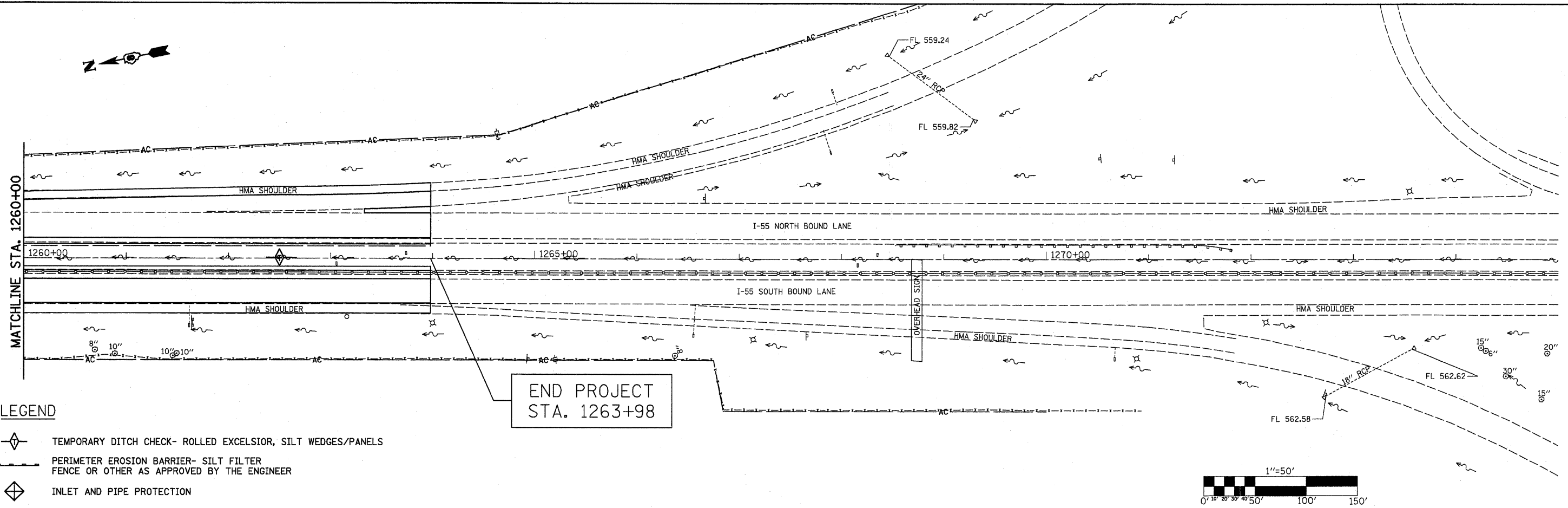
FILE NAME = ...d876o93-shr-erosion_plan.DGN	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN</b>			F.A.I. RTE. 55	SECTION 60-(1,2)RS-2	COUNTY MADISON	TOTAL SHEETS 156	SHEET NO. 129
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -					SCALE: 1"=50'	SHEET NO.	OF	SHEETS	STA. 1200+00 TO STA. 1230+00
	PLOT DATE = 06/23/2010 15:35:30	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



- LEGEND**
- TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
  - PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
  - INLET AND PIPE PROTECTION

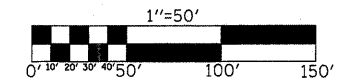


FILE NAME = ...d876e93-shr-erosion_plan.DGN	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -					55	60-(1,2)RS-2	MADISON	156	130
PLOT DATE = 06/23/2010 15:35:30	CHECKED -	REVISED -	REVISED -		SCALE: 1"=50'			SHEET NO. OF SHEETS STA. 1230+00 TO STA. 1260+00		CONTRACT NO. 76C93		
DATE -	REVISED -	REVISED -	REVISED -					ILLINOIS FED. AID PROJECT				



**LEGEND**

- TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
- PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- INLET AND PIPE PROTECTION



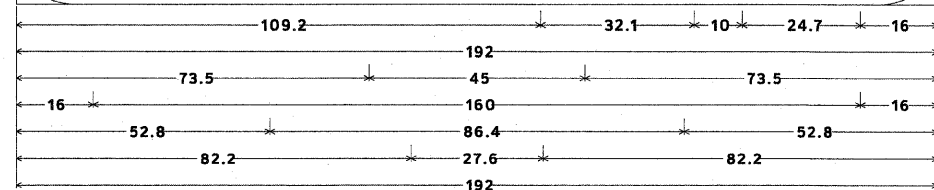
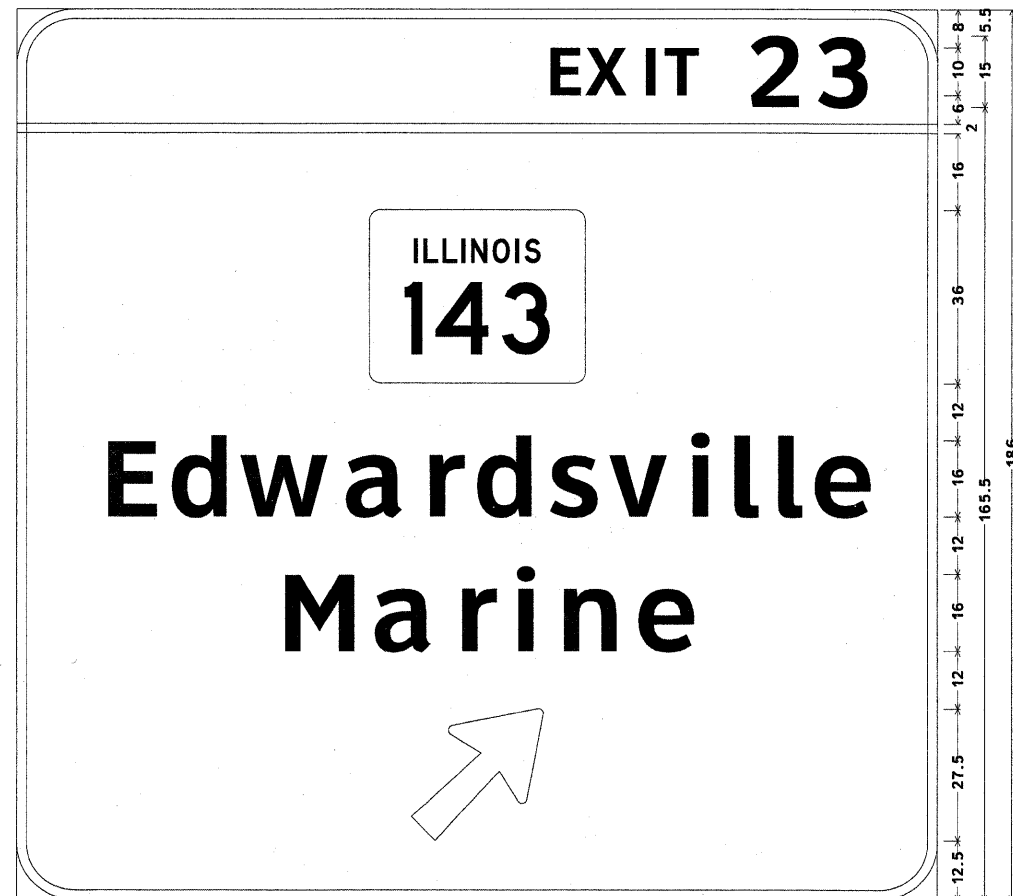
END PROJECT  
STA. 1263+98

FILE NAME = <small>...d878e93-eh-erosion_plan.DGN</small>	USER NAME = SJS	DESIGNED - DRAWN -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN</b>	F.A.I. RTE. 55	SECTION 60-(1,2)RS-2	COUNTY MADISON	TOTAL SHEETS 156	SHEET NO. 131
<small>Johnson, Depp &amp; Quisenberry CONSULTING ENGINEERS Springfield, Illinois</small>				SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1260+00 TO STA. 1263+59		CONTRACT NO. 76C93 <small>ILLINOIS FED. AID PROJECT</small>				
PLOT SCALE = 50.0000' / IN. PLOT DATE = 08/04/2010 09:53:02										









12.0" Radius, 2.0" Border, White on Green;  
 [EXIT 23] ClearviewHwy-5-W; [Edwardsville] ClearviewHwy-5-W specified length; [Marine] ClearviewHwy-5-W;  
 Arrow 160 - 35.0" 45°;  
 Table of widths and spaces.

E	X	I	T	2	3
109.2	6.4	2.1	8.7	2.7	2.0
3.0	7.2	10.0	10.3	4.0	10.4
16.0					16.0

-0.0192.00.0

73.5 45.0 73.5

E	d	w	a	r	d	s	v	i	l	e
16.0	10.2	23.9	11.6	3.6	18.6	2.8	12.0	4.3	7.3	3.5
11.5	4.1	10.2	2.7	12.2	3.3	3.8	4.9	5.1	4.0	5.1
3.5	11.8	16.0								

M	a	r	i	n	e
52.8	14.7	5.3	11.9	5.1	7.3
4.3	3.8	5.7	11.1	5.5	11.7
52.8					

82.2 27.6 82.2

**SIGN PANEL SP4 & SP17**



3.0" Radius, 1.0" Border, White on Green;  
 [EXIT] ClearviewHwy-5-W;  
 [23] ClearviewHwy-5-W;  
 Standard Arrow Custom 17.9" X 10.9" 45°;  
 Table of widths and spaces.

E	X	I	T
8.4	3.8	1.3	5.2
1.6	1.2	1.8	4.3
8.4			

2	3
2.2	6.9
2.7	6.9

1.0	14.1	12.2
-----	------	------

**SIGN PANEL SP5 & SP18**

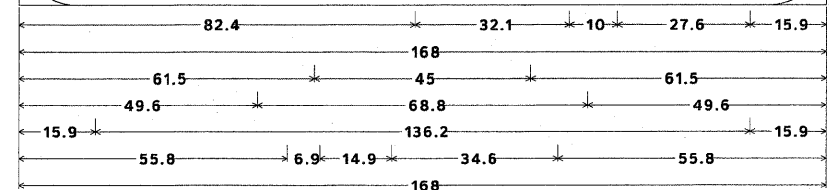


6.0" Radius, 1.3" Border, White on Green;  
 [Hamel] ClearviewHwy-5-W; [EXIT 30] ClearviewHwy-5-W;  
 Table of widths and spaces.

H	a	m	e	l
14.9	9.2	4.0	8.9	3.8
13.6	4.0	8.8	4.1	3.8
14.9				

E	X	I	T	3	0
10.0	6.3	2.2	8.6	2.8	1.9
3.0	7.3	10.3	10.4	5.0	12.2
10.0					10.0

**SIGN PANEL SP6a & SP10a**



12.0" Radius, 2.0" Border, White on Green;  
 [EXIT 30] ClearviewHwy-5-W; [Alton] ClearviewHwy-5-W; [Greenville] ClearviewHwy-5-W;  
 [1 MILE] ClearviewHwy-5-W;  
 Table of widths and spaces.

E	X	I	T	3	0
82.4	6.4	2.2	8.6	2.8	1.9
3.0	7.2	10.0	10.4	5.0	12.2
15.9					15.9

-0.0168.00.0

61.5 45.0 61.5

A	l	t	o	n
49.6	15.1	4.5	5.0	3.2
7.9	4.1	12.4	5.4	11.2
49.6				

G	r	e	e	n	v	i	l	e
15.9	13.8	5.7	7.3	4.1	11.8	4.7	11.8	5.4
11.1	4.1	12.2	3.9	3.8	5.7	5.1	4.7	5.1
4.2	11.7	15.9						

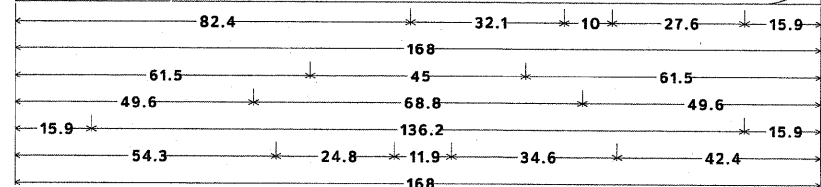
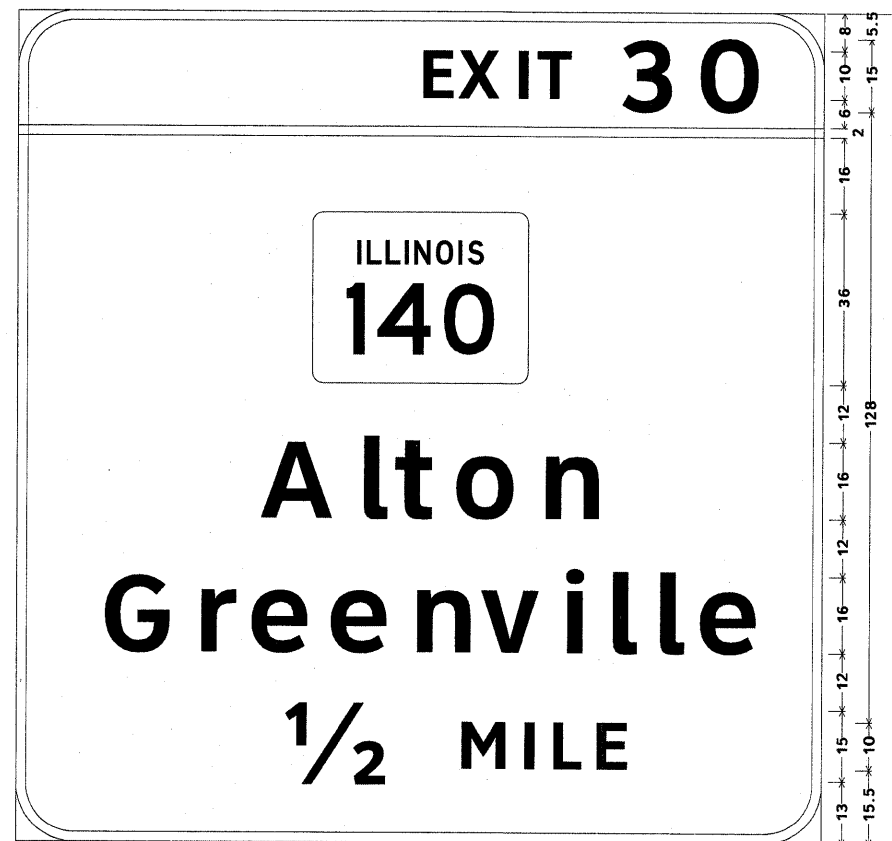
1	M	i	l	E
55.8	6.9	14.9	9.2	4.0
1.9	4.1	5.8	3.2	6.4
55.8				

**SIGN PANEL SP6 & SP10**

**NOTE:**

ALL GUIDE SIGNS SHALL HAVE ZZ SHEETING.

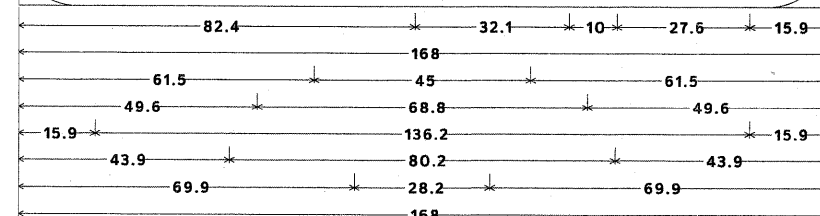
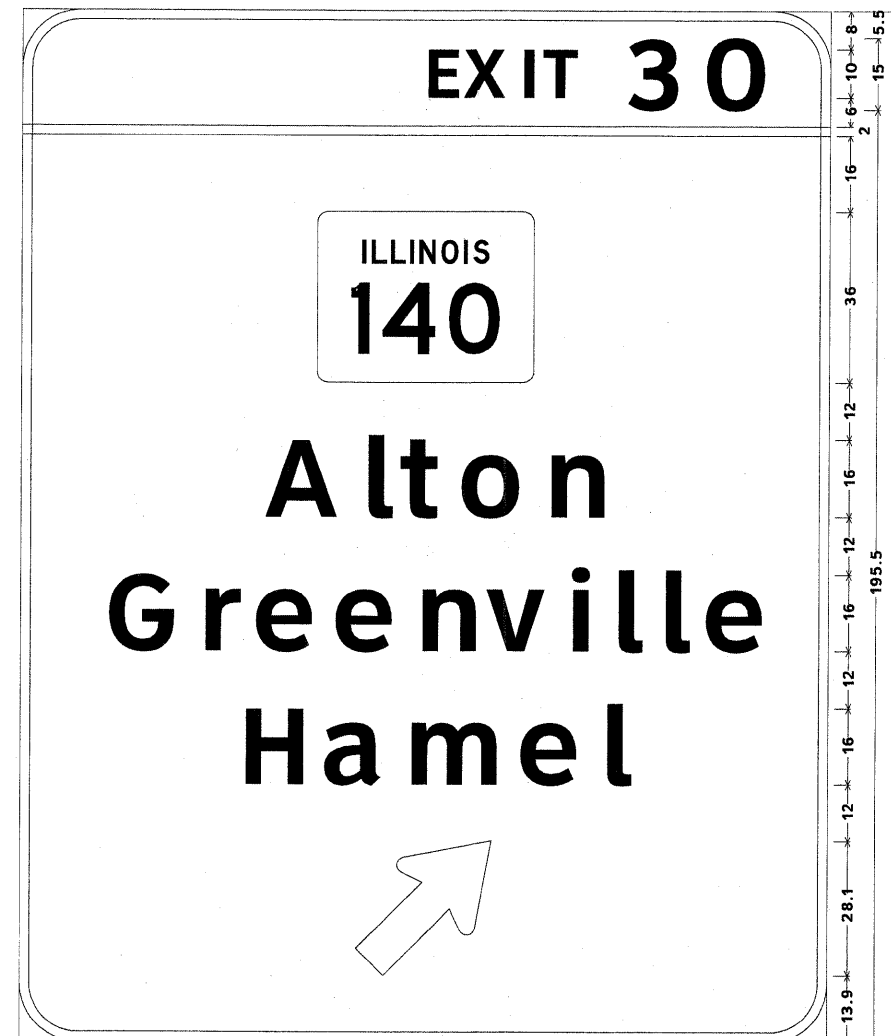
FILE NAME = G:\S09217-7\155\CAD\Sign Panels.dgn	USER NAME = IE Consultants	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAI ROUTE 55 (I-55) SIGN PANEL DETAILS	F.A.I. RTE. = 55	SECTION = 60-(1,2)RS-2	COUNTY = MADISON	TOTAL SHEETS = 156	SHEET NO. = 134
	PLOT SCALE = 0.5000" / IN.	CHECKED -	REVISED -			CONTRACT NO. 76C93				
	PLOT DATE = 6/28/2010	DATE -	REVISED -			FED. ROAD DIST. NO. =	ILLINOIS FED. AID PROJECT =			
						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.		



12.0" Radius, 2.0" Border, White on Green;  
 [EXIT 30] ClearviewHwy-5-W; [Alton] ClearviewHwy-5-W; [Greenville] ClearviewHwy-5-W;  
 [ 1/2 MILE] ClearviewHwy-5-W;  
 Table of widths and spaces.

E	X	I	T	3	O	1	5	9												
82.4	6.4	2.2	8.6	2.8	1.9	3.0	7.2	10.0	10.4	5.0	12.2	15.9								
-0.0168.00.0																				
A	L	T	O	N																
49.6	15.1	4.5	5.0	3.2	7.9	4.1	12.4	5.4	11.2	49.6										
G	R	E	N	V	I	L	L	E												
15.9	13.8	5.7	7.3	4.1	11.8	4.7	11.8	5.4	11.1	4.1	12.2	3.9	3.8	5.7	5.1	4.7	5.1	4.2	11.7	15.9
1/2	M	I	L	E																
54.3	24.8	11.9	9.2	4.0	1.9	4.1	5.9	3.1	6.4	42.4										

**SIGN PANEL SP7 & SP11**



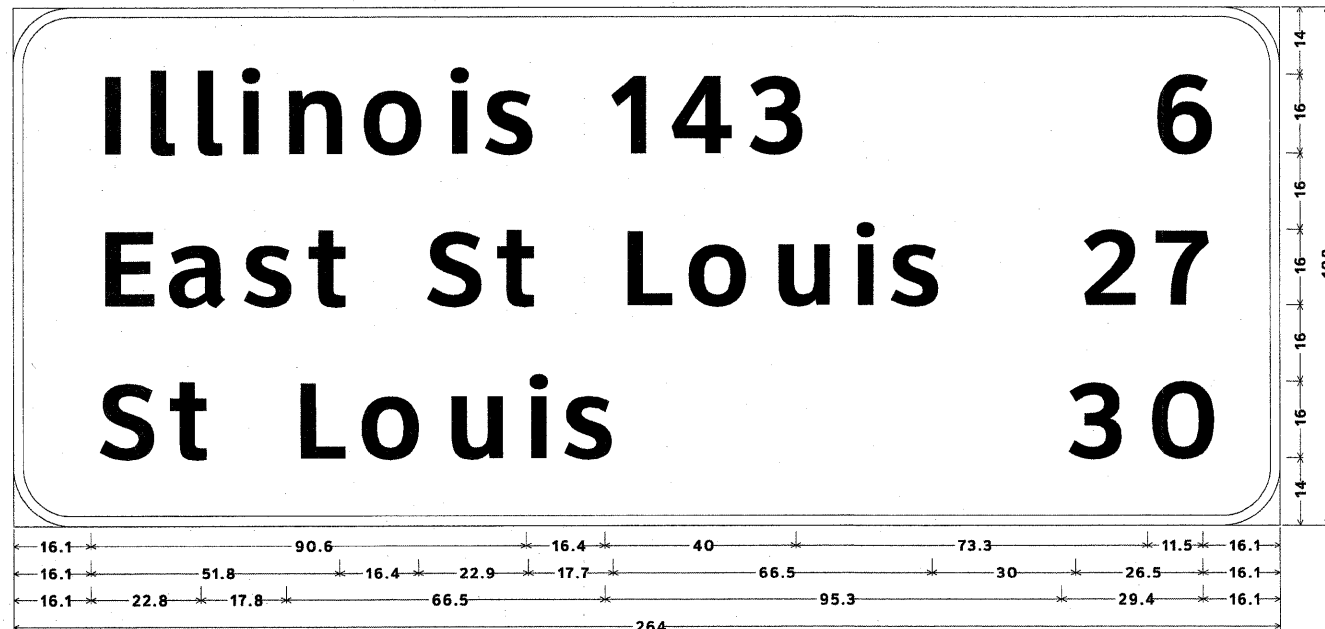
12.0" Radius, 2.0" Border, White on Green;  
 [EXIT 30] ClearviewHwy-5-W; [Alton] ClearviewHwy-5-W; [Greenville] ClearviewHwy-5-W;  
 [Hamel] ClearviewHwy-5-W; Standard Arrow Custom 35.8" X 21.6" 45[;]  
 Table of widths and spaces.

E	X	I	T	3	O	1	5	9												
82.4	6.4	2.2	8.6	2.8	1.9	3.0	7.2	10.0	10.4	5.0	12.2	15.9								
-0.0168.00.0																				
A	L	T	O	N																
49.6	15.1	4.5	5.0	3.2	7.9	4.1	12.4	5.4	11.2	49.6										
G	R	E	N	V	I	L	L	E												
15.9	13.8	5.7	7.3	4.1	11.8	4.7	11.8	5.4	11.1	4.1	12.2	3.9	3.8	5.7	5.1	4.7	5.1	4.2	11.7	15.9
H	A	M	E	L																
43.9	12.3	5.2	11.9	5.1	18.1	5.4	11.7	5.5	5.0	43.9										
H																				
69.9	28.2	69.9																		

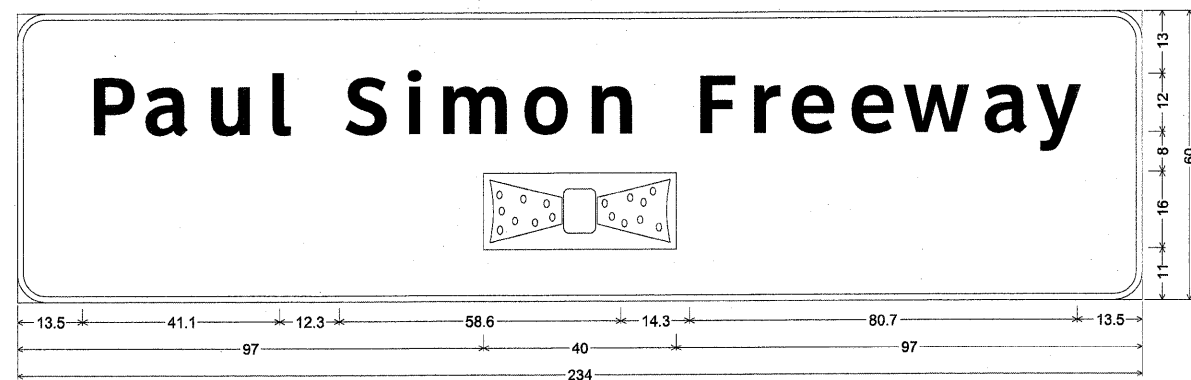
**SIGN PANEL SP8 & SP12**

**NOTE:**  
 ALL GUIDE SIGNS SHALL HAVE ZZ SHEETING.

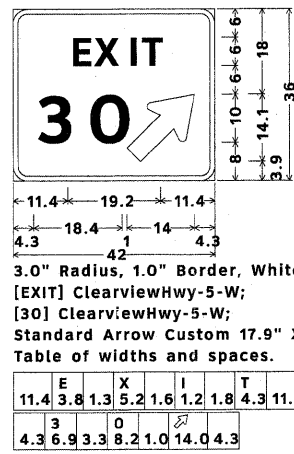
FILE NAME = G:\S09017-7\105\CAD\Sign Panels.dgn	USER NAME = JE Consultants	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAI ROUTE 55 (I-55) SIGN PANEL DETAILS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.5000' / IN.	DRAWN -	REVISED -			55	60-(1,2)RS-2	MADISON	156	135
	PLOT DATE = 6/28/2010	CHECKED -	REVISED -			CONTRACT NO. 76C93				
	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**SIGN PANEL SP14**



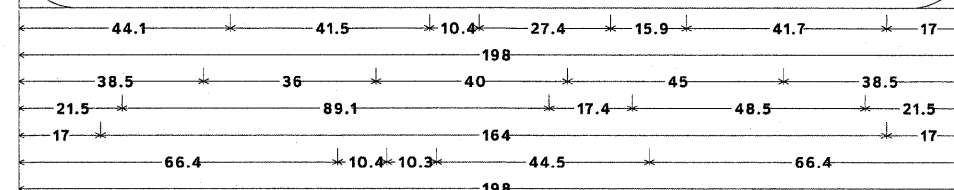
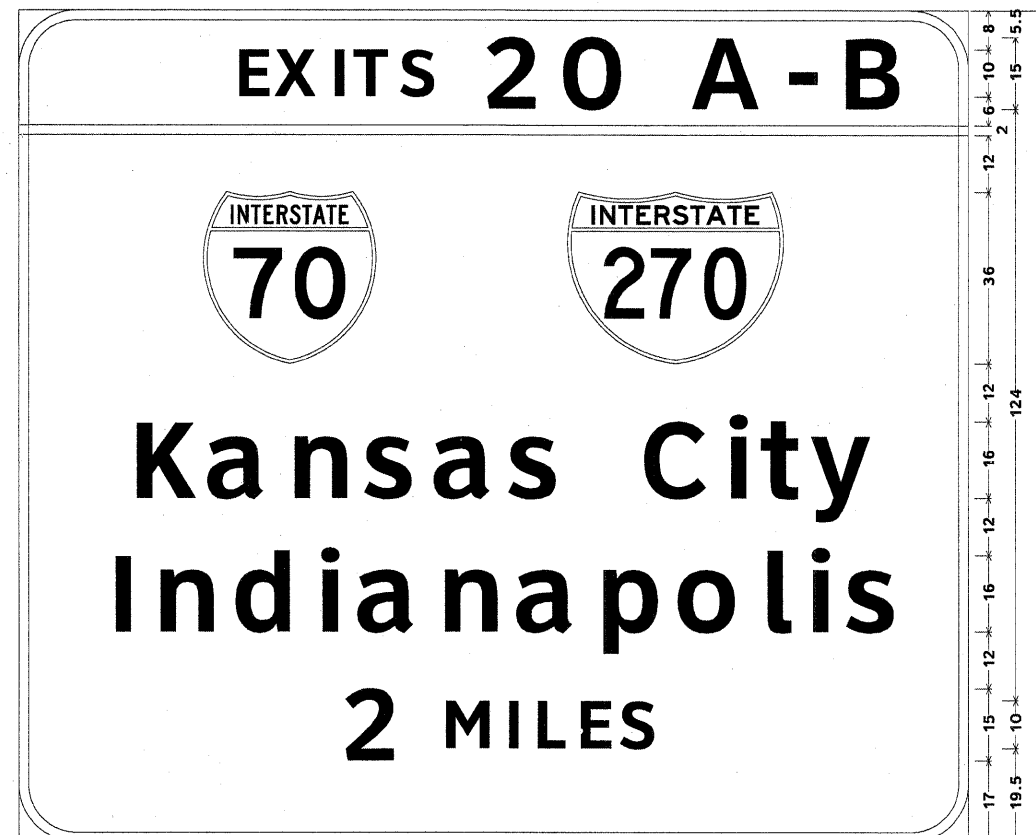
**SIGN PANEL SP18a**



**SIGN PANEL SP9 & SP13**

**NOTE:**  
 ALL GUIDE SIGNS SHALL HAVE ZZ SHEETING.

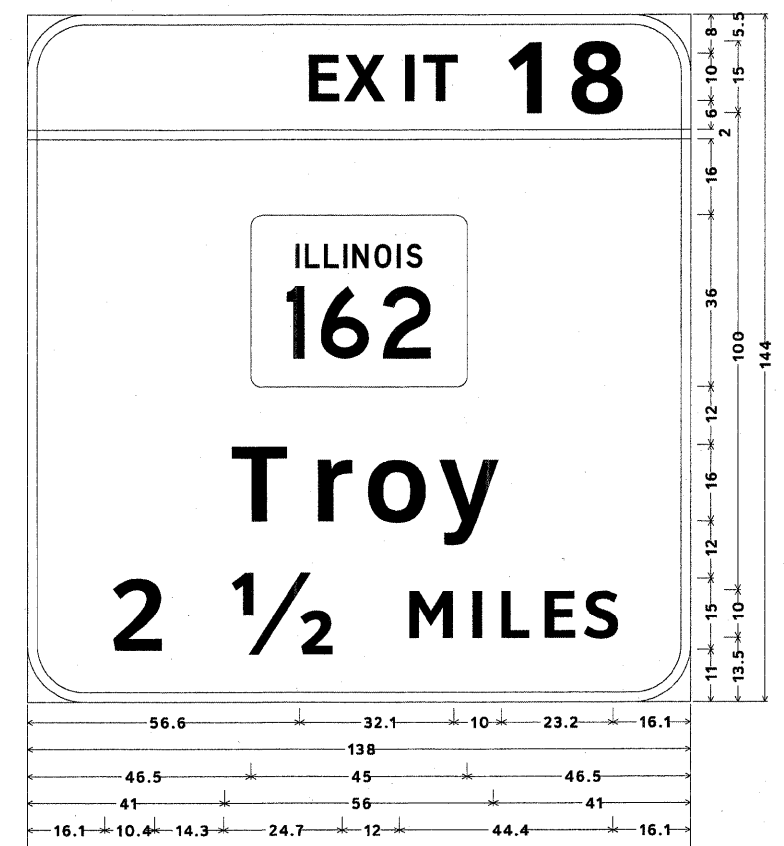
FILE NAME = G:\S09017-7\155\CAD\Sign Panels.dgn	USER NAME = JE Consultants	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAI ROUTE 55 (I-55) SIGN PANEL DETAILS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.5000 "/>									



12.0" Radius, 2.0" Border, White on Green;  
 [EXITS 20 A-B] ClearviewHwy-5-W; [Kansas City] ClearviewHwy-5-W; [Indianapolis] ClearviewHwy-5-W;  
 [2 MILES] ClearviewHwy-5-W;  
 Table of widths and spaces.

E	X	I	T	S	2	0	A	-	B															
44.1	16.3	2.2	8.6	2.8	1.9	3.0	7.2	2.3	7.2	10.4	10.3	4.9	12.2	15.9	14.1	4.4	5.8	5.9	11.5	17.0				
-0.0198.00.0																								
K	a	n	s	a	s	C	i	t	y															
21.5	12.5	3.4	11.9	5.1	11.1	4.8	10.2	4.2	11.9	3.8	10.2	17.4	13.0	4.5	3.8	4.1	7.8	2.8	12.5	21.5				
I	n	d	i	a	n	a	p	o	l	i	s													
17.0	3.1	6.3	11.1	5.5	11.5	5.7	3.8	4.7	11.9	5.1	11.1	5.1	11.9	5.1	11.6	4.7	12.4	5.5	5.0	4.4	3.8	4.5	10.2	17.0
66.410.410.39.33.91.94.15.93.16.42.67.366.4																								

**SIGN PANEL SP19**



12.0" Radius, 2.0" Border, White on Green;  
 [EXIT 18] ClearviewHwy-5-W; [Troy] ClearviewHwy-5-W; [2 1/2 MILES] ClearviewHwy-5-W;  
 Table of widths and spaces.

E	X	I	T	1	8							
56.6	6.4	2.1	8.7	2.8	1.9	3.0	7.2	10.0	6.8	5.4	11.0	16.1
-0.0138.00.0												
T	r	o	y									
41.0	11.6	4.7	7.3	4.1	12.4	3.4	12.5	41.0				
16.110.414.324.712.09.23.92.04.05.93.26.42.57.316.1												

**SIGN PANEL SP20**

**NOTE:**  
 ALL GUIDE SIGNS SHALL HAVE ZZ SHEETING.

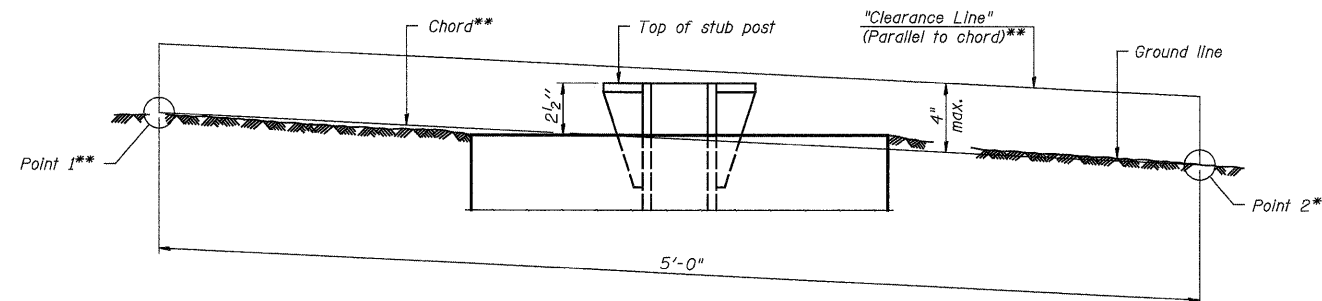




POST	CONCRETE FOUNDATION TABLE							POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA				
	Foundation			Reinforcement			Stub Post Length	Bolt Size	A	B	C	D	E	t <sub>1</sub>	t <sub>2</sub>	R	W	J	K	L	t <sub>3</sub>	
	Diameter	* Minimum Depth	Concrete cu. yds. ①	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length																lbs. ②
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	1 1/2"	1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	1 1/2"	1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	1 3/2"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	1 3/2"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	1 1/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	1 1/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

\*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																				
	Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	---	---	---	---	---	---	---	---	---	---	---	---
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	---	---	---	---	---	---	---	---	---	---	---
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	---	---	---	---	---	---	---	---
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	---	---	---	---	---	---	---
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	---	---	---	---	---	---
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	---	---	---
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"
W16x45	---	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"



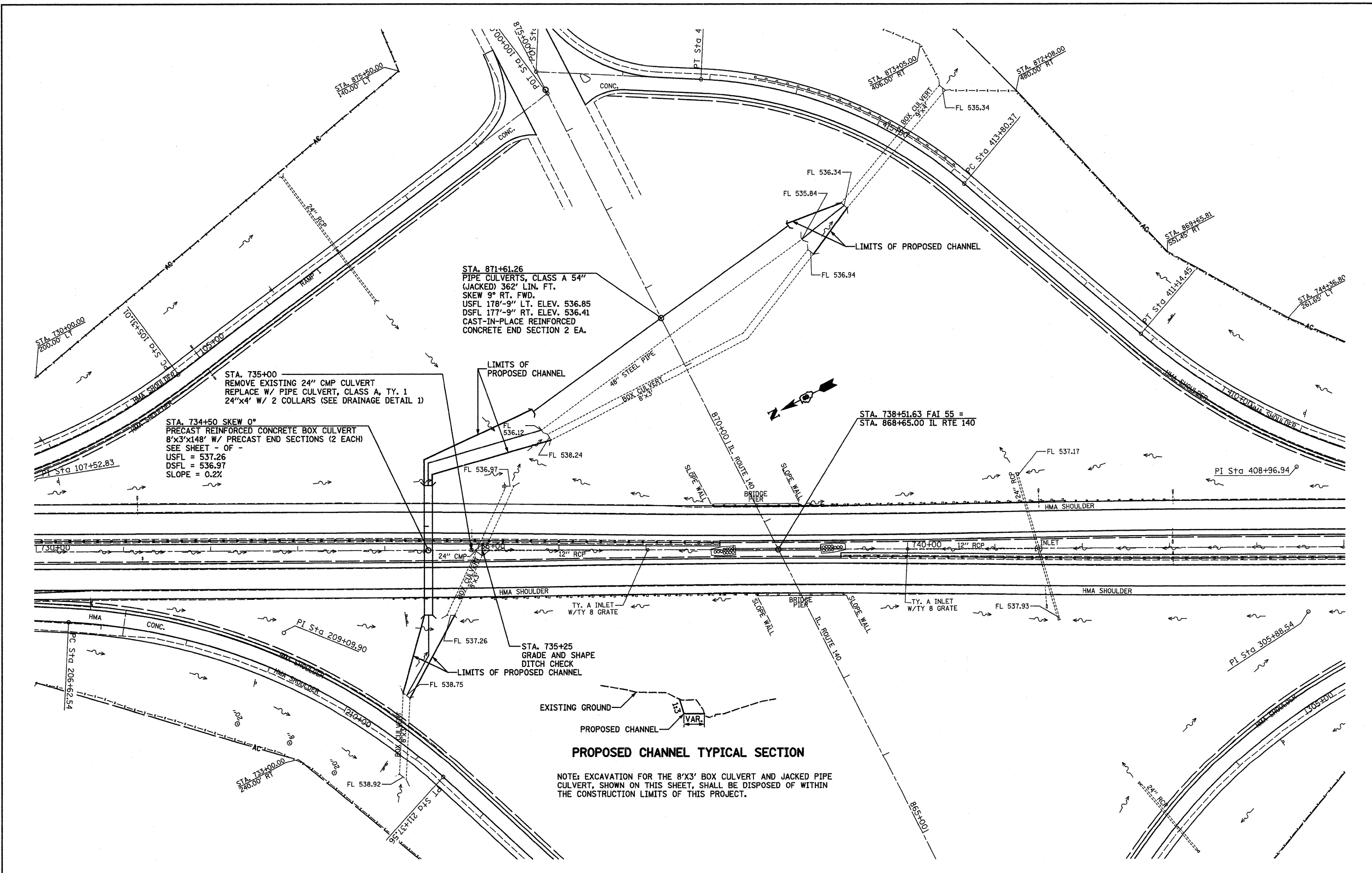
**ELEVATION**  
**GROUND LINE & STUB POST**

\*\* For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- ① Quantity includes all concrete necessary for one foundation.
- ② Includes reinforcement bars and spiral hooping for one foundation.

FILE NAME = ...Sign Support Details.dgn	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>FAI ROUTE 55 (I-55)</b> <b>BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS</b>	F.A.I. RTE. 55	SECTION 60-(1,2)RS-2	COUNTY MADISON	TOTAL SHEETS 156	SHEET NO. 140	
PLOT SCALE = 0.5000' / IN.	CHECKED -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 76C93			
PLOT DATE = 06/23/2010 15:35:57	DATE -	REVISED -				ILLINOIS FED. AID PROJECT					





STA. 871+61.26  
 PIPE CULVERTS, CLASS A 54"  
 (JACKED) 362' LIN. FT.  
 SKEW 9° RT. FWD.  
 USFL 178'-9" LT. ELEV. 536.85  
 DSFL 177'-9" RT. ELEV. 536.41  
 CAST-IN-PLACE REINFORCED  
 CONCRETE END SECTION 2 EA.

STA. 735+00  
 REMOVE EXISTING 24" CMP CULVERT  
 REPLACE W/ PIPE CULVERT, CLASS A, TY. 1  
 24"x4' W/ 2 COLLARS (SEE DRAINAGE DETAIL 1)

STA. 734+50 SKEW 0°  
 PRECAST REINFORCED CONCRETE BOX CULVERT  
 8'x3'x148' W/ PRECAST END SECTIONS (2 EACH)  
 SEE SHEET - OF -  
 USFL = 537.26  
 DSFL = 536.97  
 SLOPE = 0.2%



**PROPOSED CHANNEL TYPICAL SECTION**

NOTE: EXCAVATION FOR THE 8'X3' BOX CULVERT AND JACKED PIPE CULVERT, SHOWN ON THIS SHEET, SHALL BE DISPOSED OF WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT.

FILE NAME = ...d876c93-ah-IL140_Drainage.dgn 	USER NAME = SJS PLOT SCALE = 50.0000' / IN. PLOT DATE = 08/06/2010 13:06:41	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED DRAINAGE MODIFICATIONS          AT IL 140 INTERCHANGE</b>	F.A.I. RTE. 55 SECTION 60-1L2RS-2 COUNTY MADISON TOTAL SHEETS 156 SHEET NO. 141 CONTRACT NO. 76C93 ILLINOIS FED. AID PROJECT
	SCALE: SHEET NO. OF SHEETS STA. TO STA.					



### SOIL BORING LOG

ROUTE FAI 55 DESCRIPTION Culvert replacement (8'x3') approx. 14 feet north of existing structure centerline. LOGGED BY SCI Date 05/11/10

SECTION \_\_\_\_\_ LOCATION East of Hamel; SE 1/4, SEC. 11, TWP. 5N, RNG. 7W

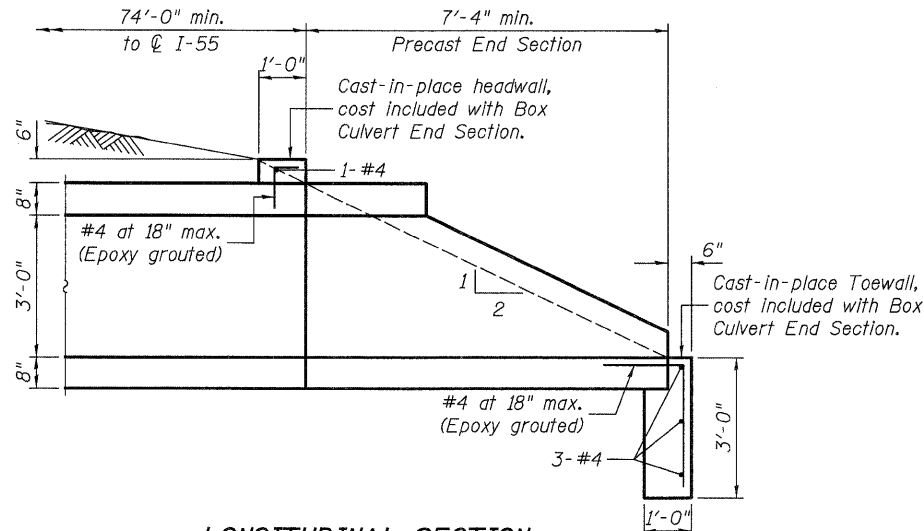
COUNTY Madison DRILLING METHOD CME 45/HSA HAMMER TYPE Automatic

STRUCT. NO. <u>060-2549 (existing)</u>	DEPT	BULGE	UCS	MOIST	Surface Water Elev. _____ ft	DEPT	BULGE	UCS	MOIST
Station <u>735+20</u>	H	S	Qu	T	Stream Bed Elev. _____ ft	H	S	Qu	T
BORING NO. <u>B-1</u>					Groundwater Elev.: _____ ft				
Station <u>735+20</u>					First Encounter _____ ft				
Offset <u>55 ft L</u>					Upon Completion _____ ft				
Ground Surface Elev. <u>543.97</u>	(ft)	(/6")	(tsf)	(%)	After _____ Hrs.	(ft)	(/6")	(tsf)	(%)

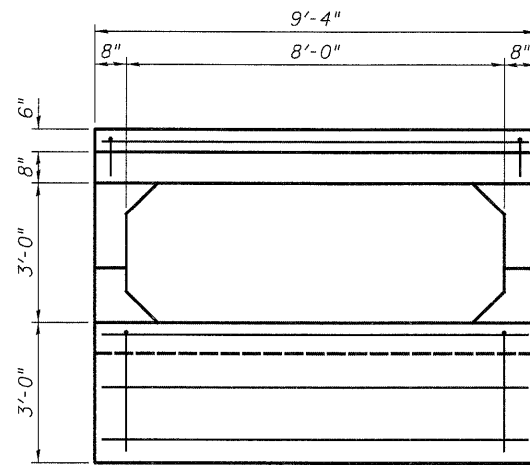
FILL: Dark brown, silty clay, trace rock (A-6)	4	2.1	18	SANDY CLAY: Brown (A-6) (continued)	7	6.2	10
FILL: Dark brown, clayey silt (A-4)	5	B		Becomes grayish brown	16	S/15	
SILTY CLAY: Grayish brown and brown (A-7)	3	0.9	23		20	B	
	2	B			4	4.3	11
	3	B			9	B	
	2	1.0	22	Becomes brown	11	B	
	3	B			4	3.8	10
	2	B			9	B	
CLAY: Gray and brown, some sand (A-7)	3	2.1	22	Becomes grayish brown	7	3.5	11
	2	B			10	B	
	1	1.4	21		3	3.1	11
	2	B			7	B	
	3	B			10	B	
With gray, fine to medium, sand deposit on side of SPT sample.	2	0.7	19		5	3.2	10
	2	B			7	B	
SANDY CLAY: Brown (A-6)	1	2.0	18	Temporary benchmark located at the east end of the existing box culvert's flowline (assumed El. 100.0).	9	B	
Hand penetrometer reading on top portion of SPT sample - <0.25F	4	B			12	B	
Becomes grayish brown and brown, trace gravel (fill)	5	4.6	11		12	B	
	12	S/15			12	B	

Boring terminated at 40.0 ft.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

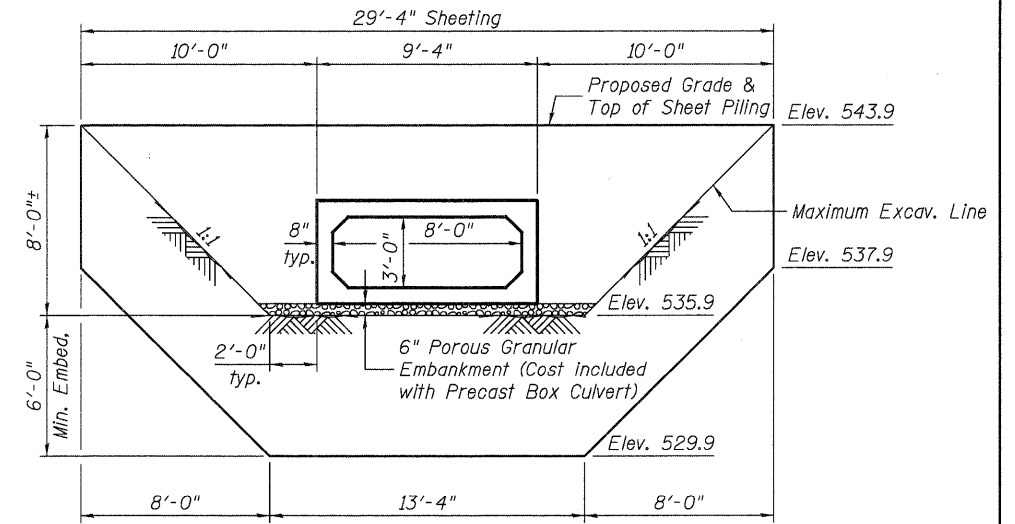


LONGITUDINAL SECTION



END VIEW

END SECTION DETAIL



CROSS-SECTION AND TEMPORARY SHEET PILING DETAILS

(Stage III/IV shown, Stage I/II similar)

Sheet Piling shall have a minimum section modulus of 3.7 in<sup>3</sup>/ft. If the contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

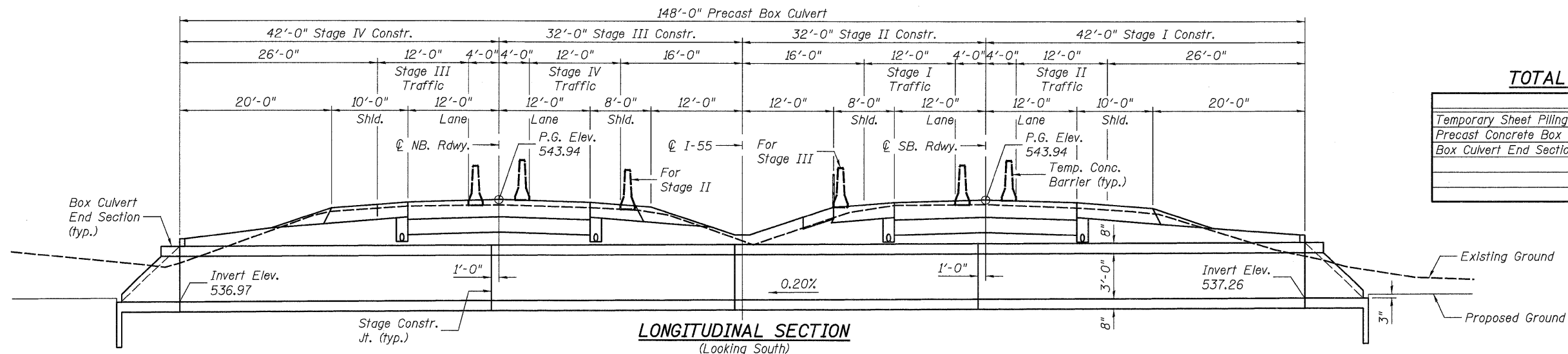
### GENERAL NOTES

The Precast Concrete Box Culvert shall conform to the requirements of AASHTO M259, with a design fill height of 2 feet. The reinforcement may be based on the standards for a 8'x4' box.

Cost of Excavation and Porous Granular Embankment bedding shall be included with Precast Box Culvert.

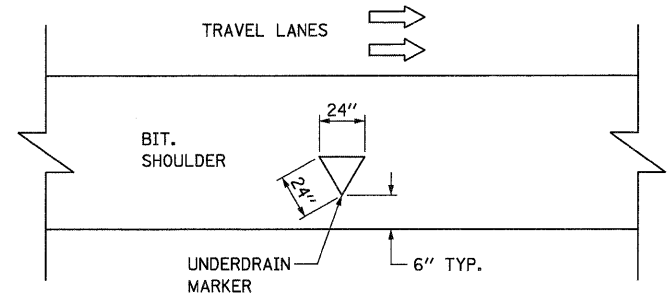
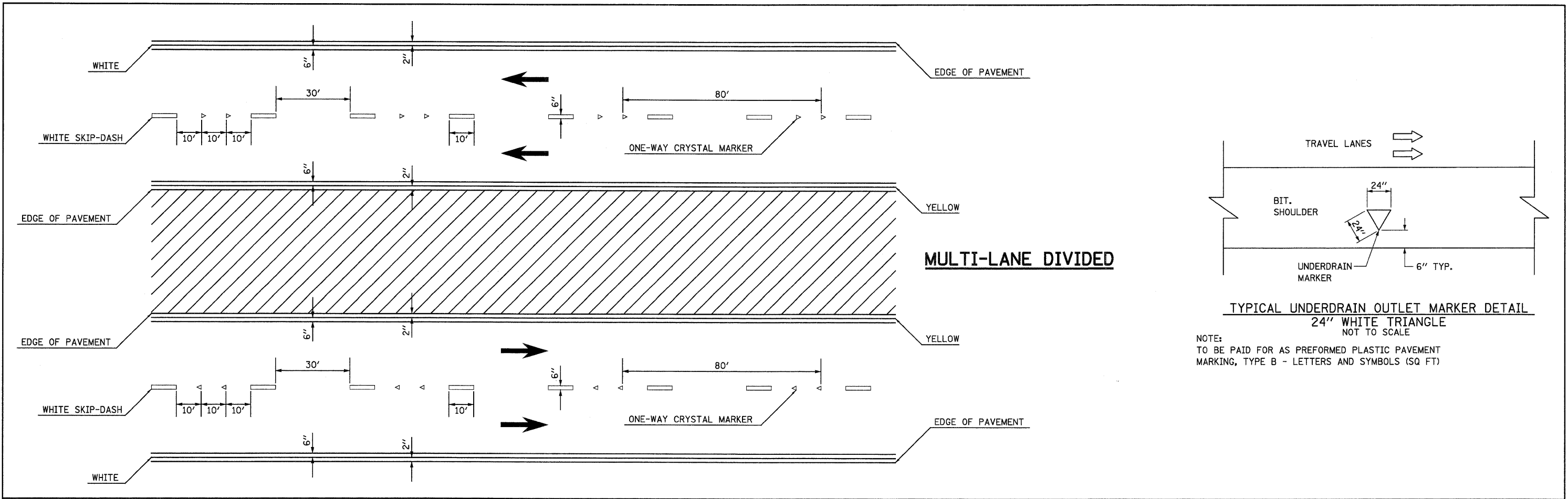
### TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Temporary Sheet Piling	Sq Ft	694
Precast Concrete Box Culvert 8'x3'	Foot	148
Box Culvert End Sections	Each	2



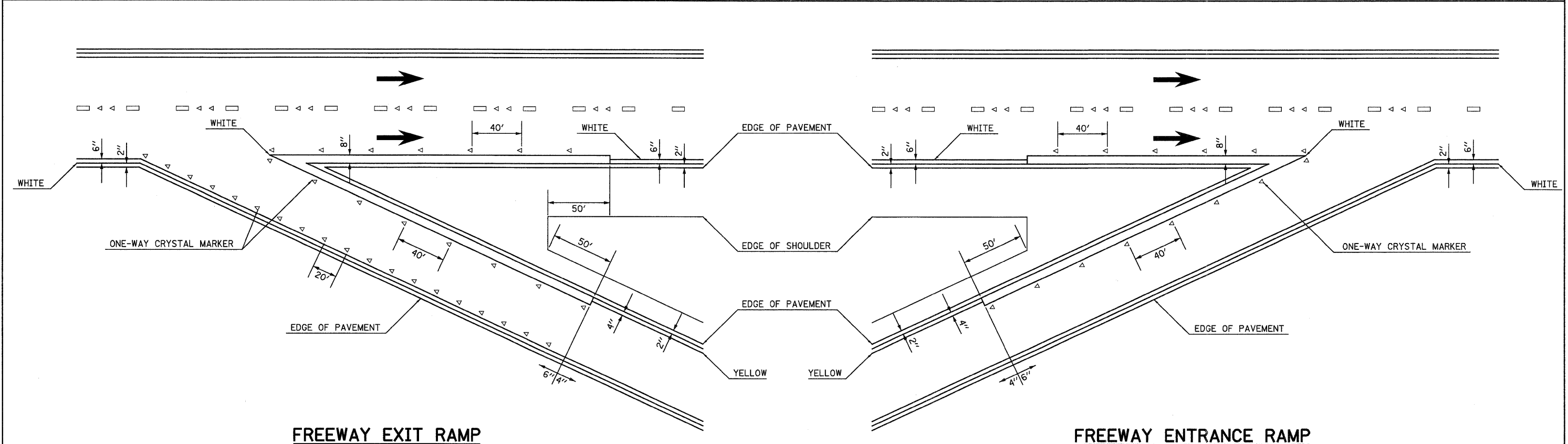
LONGITUDINAL SECTION

(Looking South)



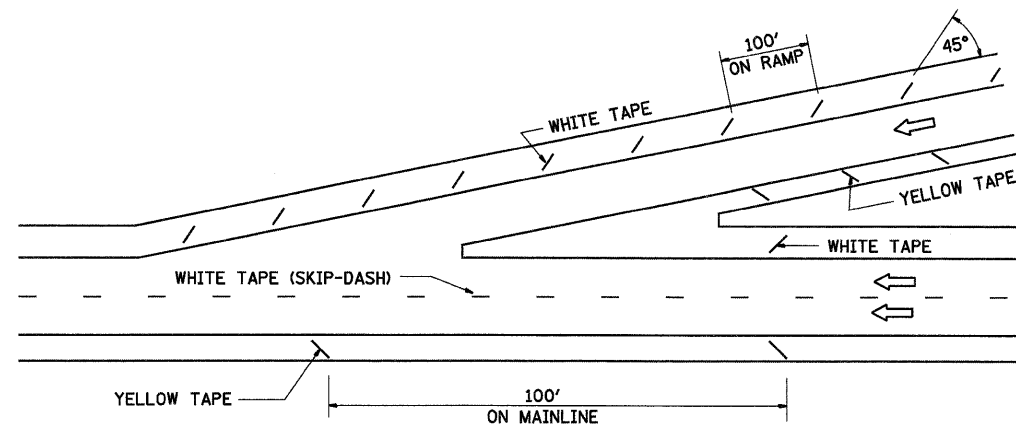
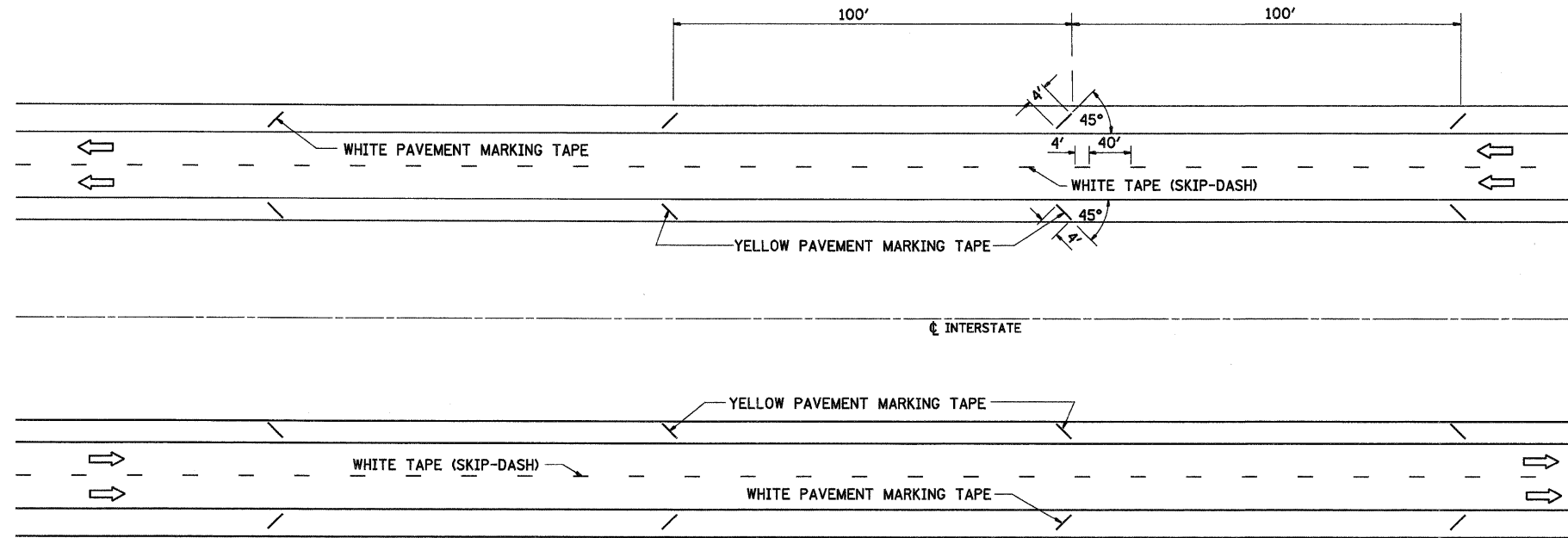
**TYPICAL UNDERDRAIN OUTLET MARKER DETAIL**  
24" WHITE TRIANGLE  
NOT TO SCALE

NOTE:  
TO BE PAID FOR AS PREFORMED PLASTIC PAVEMENT  
MARKING, TYPE B - LETTERS AND SYMBOLS (SQ FT)

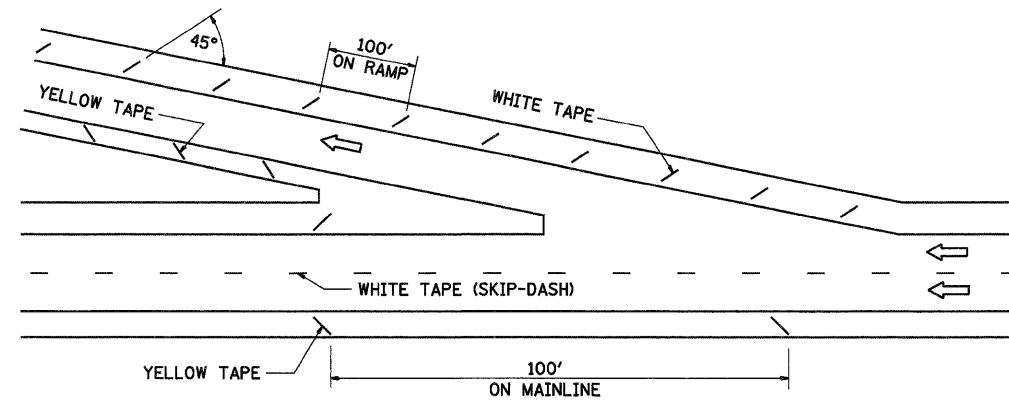


FILE NAME = ...cedd\0876C93-sht-details.dgn Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING DETAIL</b>		F.A.I. RTE. 55	SECTION 60-(1,2)RS-2	COUNTY MADISON	TOTAL SHEETS 156	SHEET NO. 143
	PLOT SCALE = 20.000' / IN.	CHECKED -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 76C93		ILLINOIS FED. AID PROJECT	
PLOT DATE = 06/23/2010 15:36:20	DATE -	REVISED -	REVISED -								

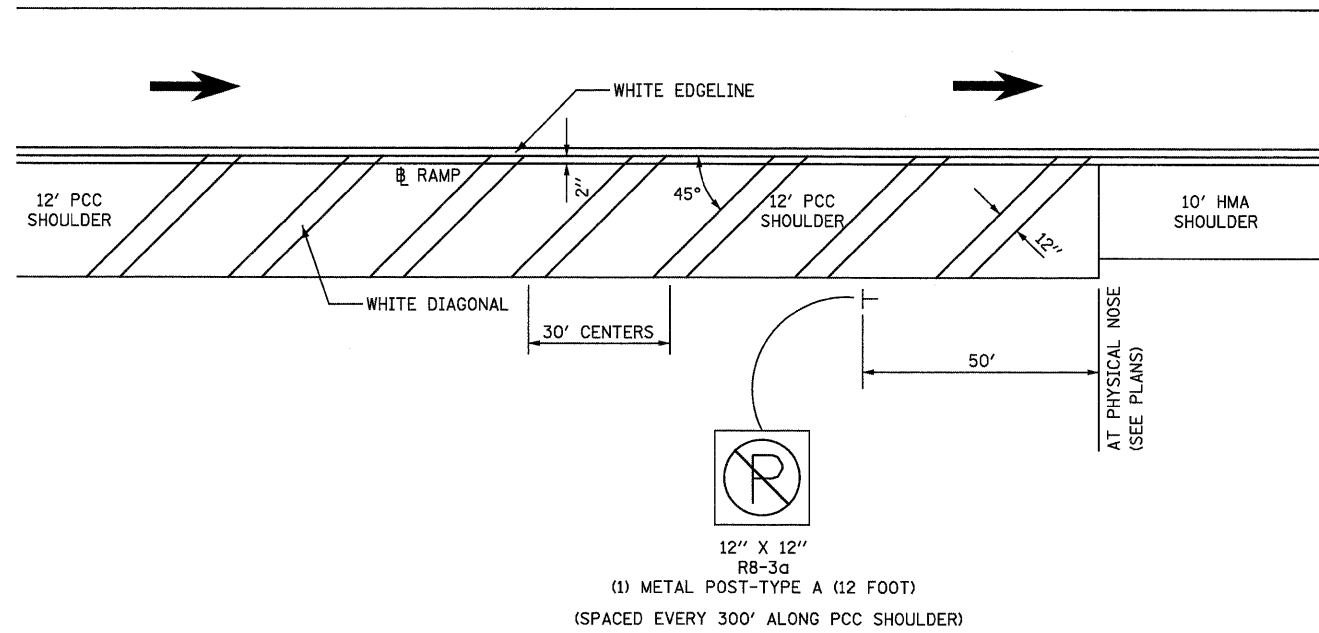
TYPICAL SHORT TERM PAVEMENT MARKING FOR INTERSTATE ROUTES



TYPICAL ENTRANCE TERMINAL

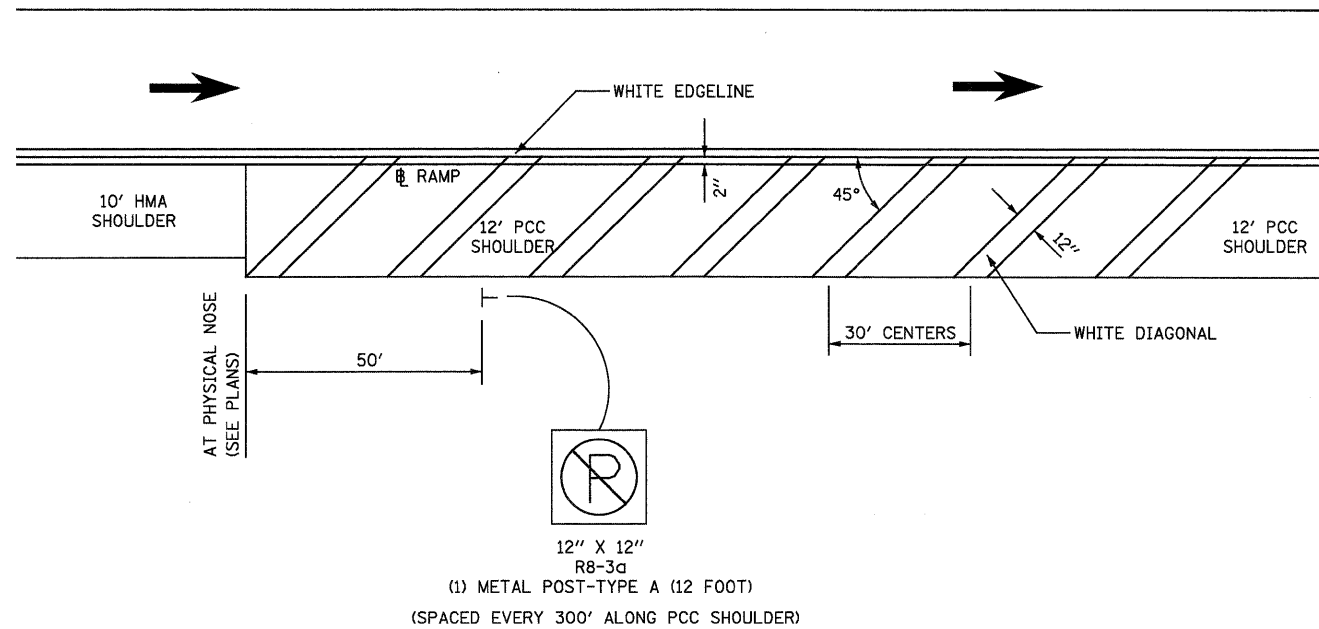


TYPICAL EXIT TERMINAL



**PCC RAMP SHOULDER STRIPING  
AND "NO PARKING" SIGN DETAILS**

(IL 140, IL 143 ENTRANCE RAMP)



**PCC RAMP SHOULDER STRIPING  
AND "NO PARKING" SIGN DETAILS**

(IL 140, IL 143 EXIT RAMP)

FILE NAME =  
...oaddd\0876C93-ehd-details.dgn  
**JD Johnson, Depp & Quisenberry**  
CONSULTING ENGINEERS  
Springfield, Illinois

USER NAME = SJS  
PLOT SCALE = 20.000' / IN.  
PLOT DATE = 06/23/2010 15:36:20

DESIGNED - JCN  
DRAWN - CAD  
CHECKED - JCN  
DATE - 3/26/96

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAMP PCC SHOULDER MARKINGS AND  
"NO PARKING SIGN" DETAILS**  
SCALE: SHEET NO. OF SHEETS STA. TO STA.

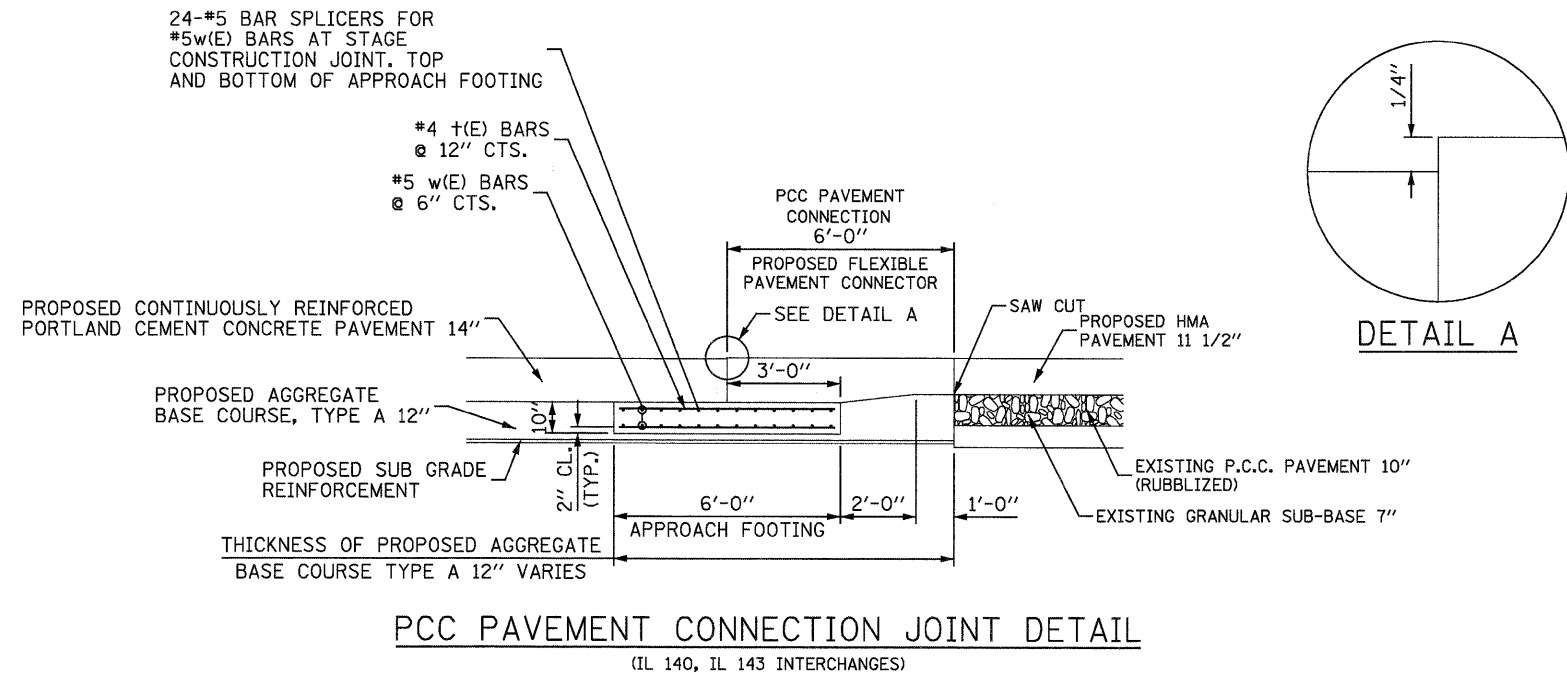
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2)RS-2	MADISON	156	145
CONTRACT NO. 76C93				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**PATCH CONNECTION JOINT DETAIL NOTES**

EXCAVATION WILL BE PAID FOR AS EARTH EXCAVATION.  
 EXISTING PAVEMENT TO BE REMOVED WILL BE PAID FOR AS PAVEMENT REMOVAL.  
 SAW CUTS WILL BE PAID FOR SEPARATELY.  
 APPROACH FOOTING CONCRETE WILL BE PAID FOR AS CONCRETE STRUCTURES.  
 REINFORCEMENT WILL BE PAID FOR AS REINFORCEMENT BARS, EPOXY COATED.  
 UPON THE ENGINEER'S APPROVAL OF THE CONSTRUCTION AND INSTALLATION METHOD, A PRECAST APPROACH FOOTING MAY BE USED IN LIEU OF THE CAST-IN-PLACE FOOTING. THE WIDTH OF THE PRECAST FOOTING SHALL BE NOT LESS THAN 6 FEET.  
 UPON THE ENGINEER'S APPROVAL, A PAINTED STEEL PLATE WITH EQUAL OR GREATER SHEAR STRENGTH AS THE CAST-IN-PLACE FOOTING MAY BE USED IN LIEU OF THE CAST-IN-PLACE FOOTING. THE WIDTH OF THE PAINTED STEEL PLATE SHALL BE NOT LESS THAN 6 FEET AND THE TOP SHALL BE COATED WITH A LUBRICANT PRIOR TO POURING CONCRETE ABOVE THE PLATE. THIS METHOD SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION AND INSTALLATION.

IF THE PAINTED STEEL PLATE IS APPROVED, THE DEPTH OF THE AGGREGATE BASE COURSE, TYPE A, BELOW THE PLATE, SHALL BE INCREASED TO 12 INCHES AND SHALL BE PAID FOR AS SUCH.

SEE BAR SPLICER DETAILS



**PCC PAVEMENT CONNECTION JOINT DETAIL**  
 (IL 140, IL 143 INTERCHANGES)

**BILL OF MATERIAL**  
**APPROACH FOOTING CONCRETE**  
 (8 APPROACH FOOTINGS)

Bar	No.	Size	Length	Shape
t(E)	200	#4	5'-8"	---
w(E)	192	#5	23'-11"	---
Concrete Structures			Cu. Yd.	36
Reinforcement Bars, Epoxy Coated			Pound	3120
Bar Splicers			Each	192

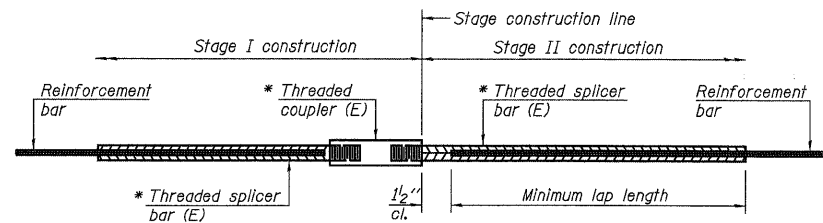
FILE NAME = ...oaddd\0876C93-sht-details.dgn	USER NAME = SJS	DESIGNED -	REVISED -
Johnson, Depp & Guleenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED -
	PLOT DATE = 06/23/2010 15:36:21	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PCC PAVEMENT CONNECTION JOINT DETAIL**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2)RS-2	MADISON	156	146
CONTRACT NO. 76C93				
ILLINOIS FED. AID PROJECT				



**STANDARD BAR SPLICER ASSEMBLY**

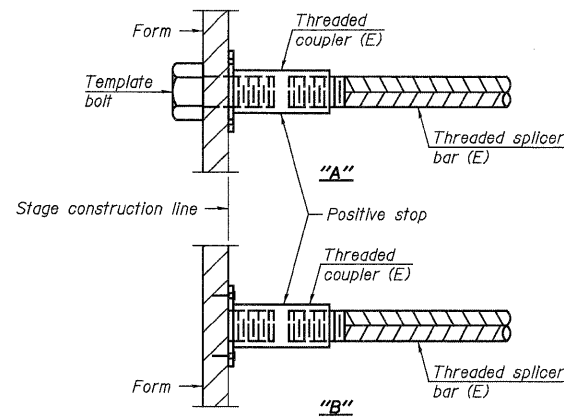
Bar size to be spliced	Minimum Lap Lengths			
	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

Table 1: Black bar, 0.8 Class C  
 Table 2: Black bar, Top bar lap, 0.8 Class C  
 Table 3: Epoxy bar, 0.8 Class C  
 Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length + 1/2" + thread length

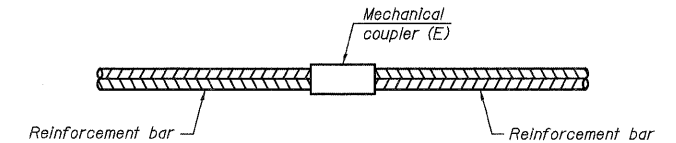
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
STA. 734+06 NB	#5	24	3
STA. 734+06 SB	#5	24	3
STA. 742+94 NB	#5	24	3
STA. 742+94 SB	#5	24	3
STA. 1114+86 NB	#5	24	3
STA. 1114+86 SB	#5	24	3
STA. 1121+94 NB	#5	24	3
STA. 1121+94 SB	#5	24	3



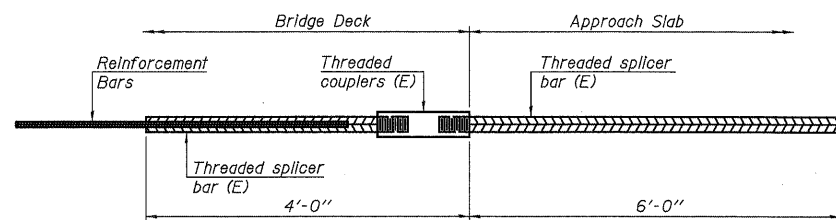
**INSTALLATION AND SETTING METHODS**

"A": Set bar splicer assembly by means of a template bolt.  
 "B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.  
 (E): Indicates epoxy coating.



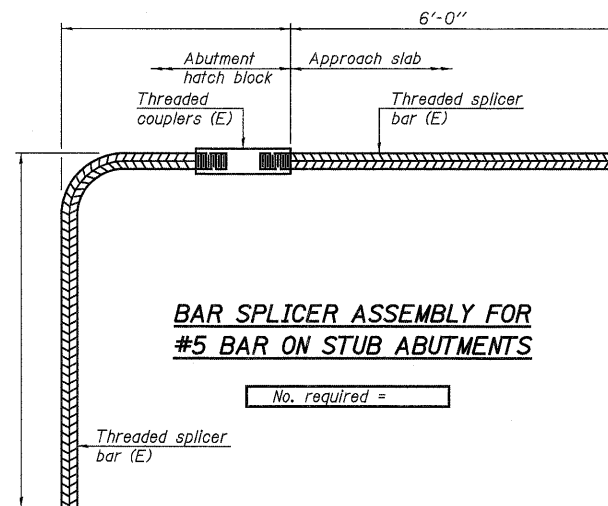
**STANDARD MECHANICAL SPLICER**

Location	Bar size	No. assemblies required



**BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS**

No. required =



**BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS**

No. required =

**NOTES**

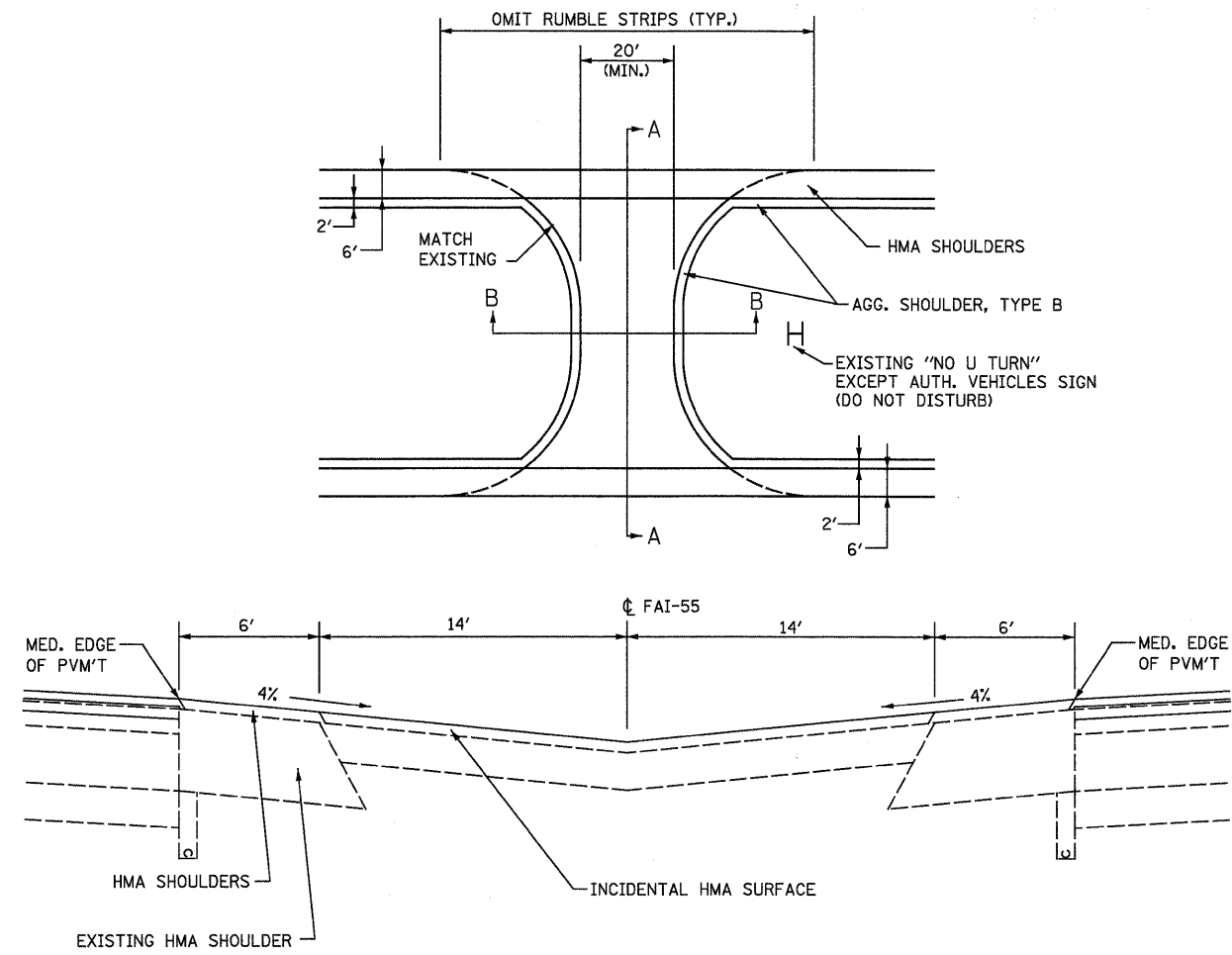
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.  
 All reinforcement shall be lapped and tied to the splicer bars.  
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.  
 See special provision for Mechanical Splicers.  
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS**  
 STRUCTURE NO.

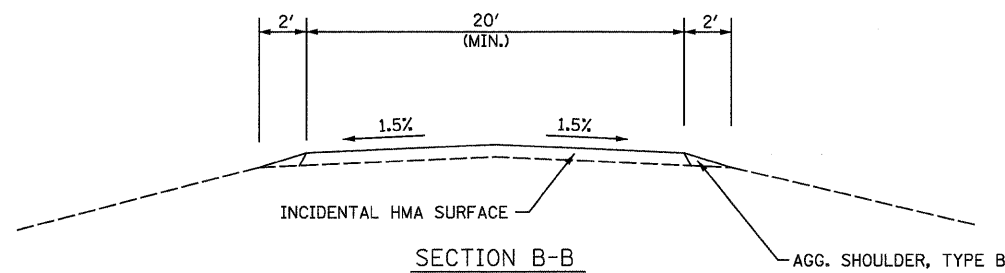
BSD-1

11-1-09

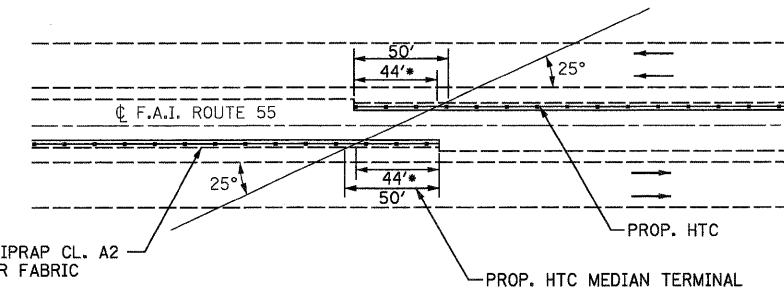
# MEDIAN CROSS-OVER DETAIL



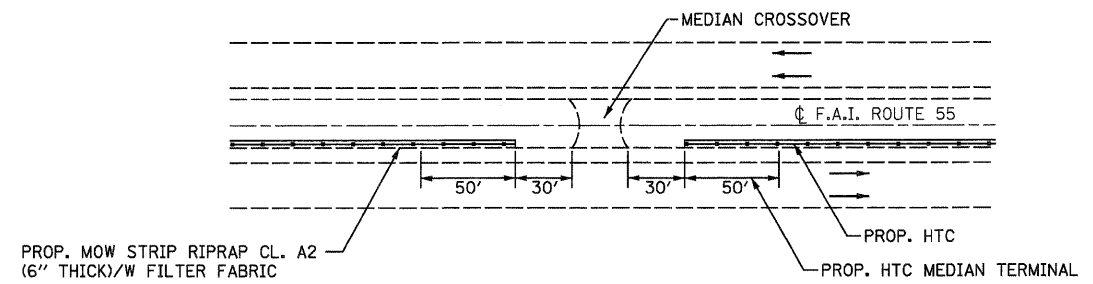
## SECTION A-A



- LOCATIONS:  
 STA. 696+37  
 STA. 784+60  
 STA. 1075+00  
 STA. 1234+72

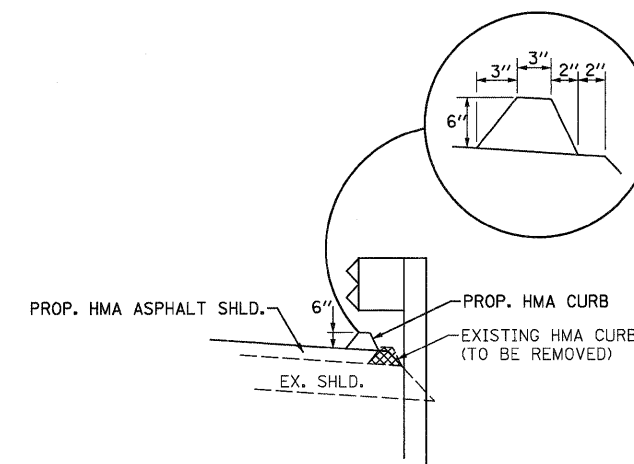


- FOR PURPOSES OF HTC LAYOUT SHOWN IN PLANS, 44' FOR LENGTH OF NEED POINT WAS USED. ACTUAL LON POINT WILL VARY DEPENDING ON HTC SYSTEM USED.
- PAY LENGTH FOR HTC MEDIAN BARRIER TERMINAL IS 50' REGARDLESS OF LON POINT.



# HTC DETAIL

(SEE TYPICAL SECTION FOR CABLE BARRIER LAYOUT)



- RT. STA. 991+19 TO RT. STA. 1002+50  
 LT. STA. 993+10 TO LT. STA. 1001+18  
 LT. STA. 1003+47 TO LT. STA. 1012+90  
 RT. STA. 1004+76 TO RT. STA. 1012+71  
 REMOVE EXISTING HMA CURB AND REPLACE

# HMA CURB DETAIL

FILE NAME = ...\\oaddd\0876C93-ahd-detaile.dgn	USER NAME = SJS	DESIGNED -	REVISED -
	PLOT SCALE = 50.000' / 1" IN.	DRAWN -	REVISED -
	PLOT DATE = 06/23/2010 15:36:22	CHECKED -	REVISED -
		DATE -	REVISED -

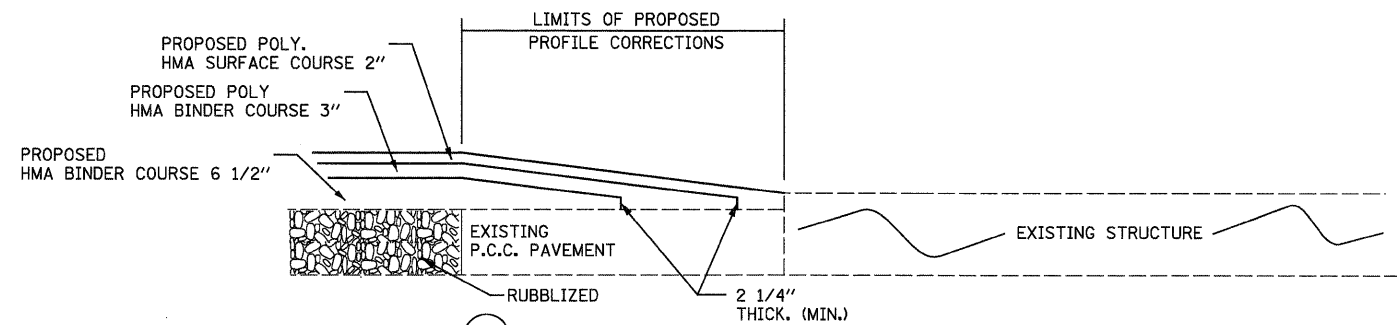
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

HIGH TENSION CABLE DETAIL, MEDIAN CROSS-OVER DETAIL  
 & HMA CURB DETAIL

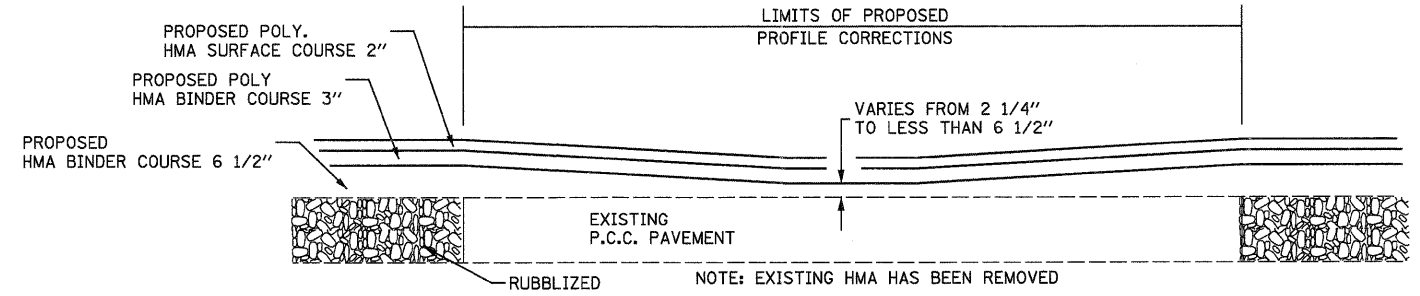
F.A.I. RTE. 55	SECTION 60-(1,2)RS-2	COUNTY MADISON	TOTAL SHEETS 156	SHEET NO. 148
CONTRACT NO. 76C93				ILLINOIS FED. AID PROJECT

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

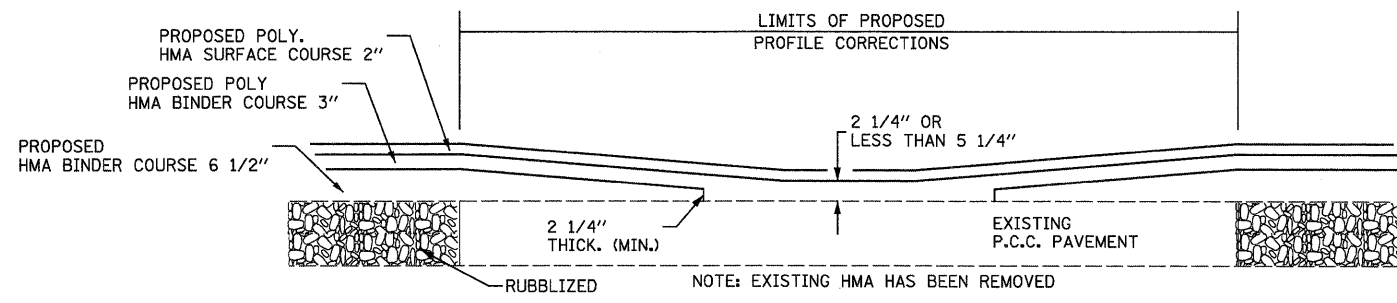




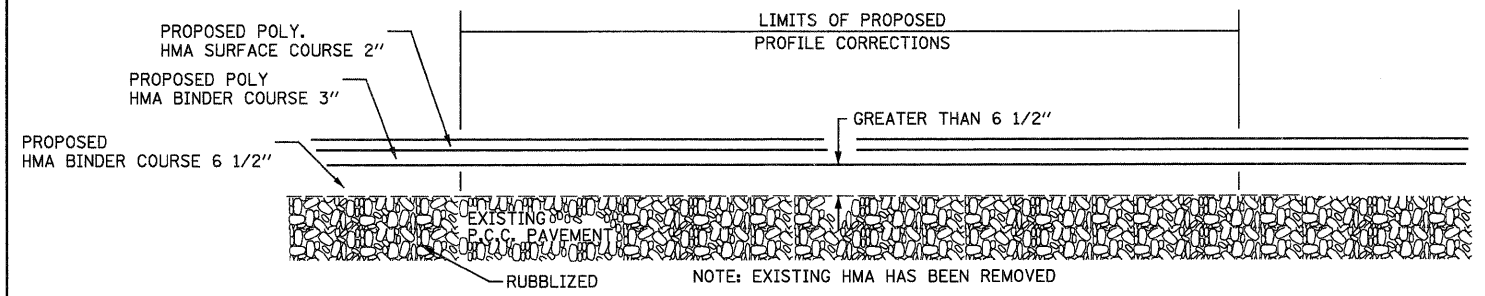
①  
**I-55 PAVEMENT PROFILE TRANSITIONS**  
 (SEE PLANS FOR LOCATIONS)  
 NOTE: EXISTING HMA HAS BEEN REMOVED



③  
**I-55 PAVEMENT PROFILE TRANSITIONS**  
 (SEE PLANS FOR LOCATIONS)  
 WHEN TOTAL THICKNESS VARIES FROM 7 1/4"  
 TO LESS THAN 11 1/2"



②  
**I-55 PAVEMENT PROFILE TRANSITIONS**  
 (SEE PLANS FOR LOCATIONS)  
 WHEN TOTAL THICKNESS IS GREATER THAN 4 1/4"  
 AND LESS THAN 7 1/4"



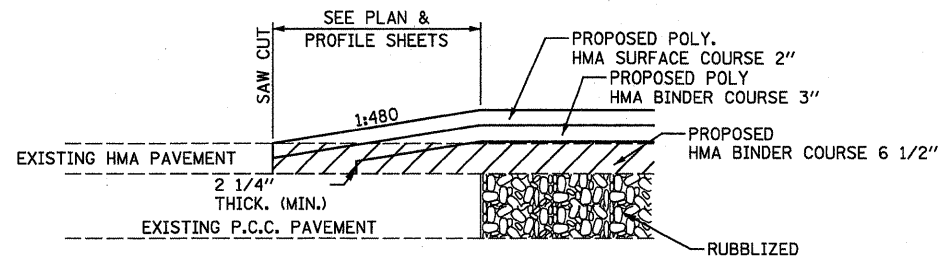
④  
**I-55 PAVEMENT PROFILE TRANSITIONS**  
 (SEE PLANS FOR LOCATIONS)  
 WHEN TOTAL THICKNESS IS GREATER THAN 11 1/2"

FILE NAME = ...\\cedd\0876C93-sht-details.dgn	USER NAME = SJS	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED -
	PLOT DATE = 06/23/2010 15:36:22	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

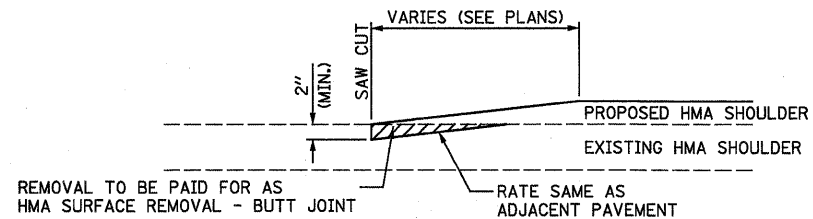
<b>I-55 PAVEMENT PROFILE TRANSITION DETAILS</b>			
SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2)RS-2	MADISON	156	149
CONTRACT NO. 76C93				
ILLINOIS FED. AID PROJECT				



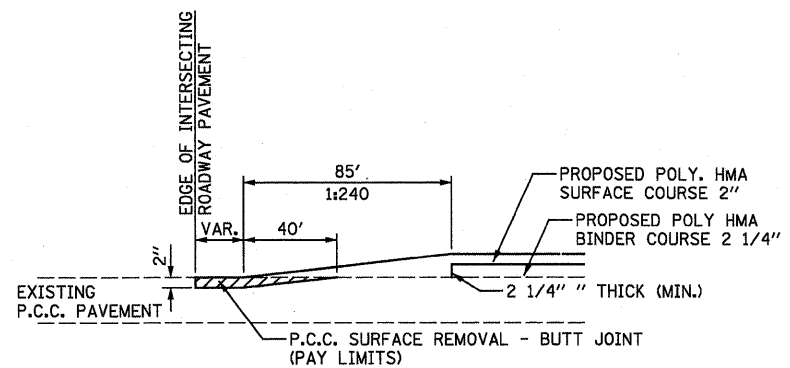
**MAINLINE PAVEMENT TRANSITION DETAIL**

STA. 668+00 TO STA. 670+00  
 STA. 1261+98 TO STA. 1263+98



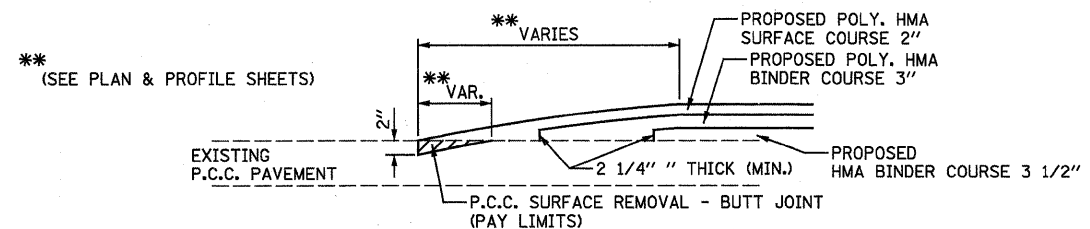
**SHOULDER TRANSITION DETAIL**

STA. 668+00 TO STA. 668+80  
 STA. 999+32 TO STRUCTURE (NB)  
 STA. 1000+73 TO STRUCTURE (SB)  
 STRUCTURE TO STA. 1007+08 (NB)  
 STRUCTURE TO STA. 1006+69 (SB)  
 STA. 1263+18 TO STA. 1263+98



**PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT DETAIL**

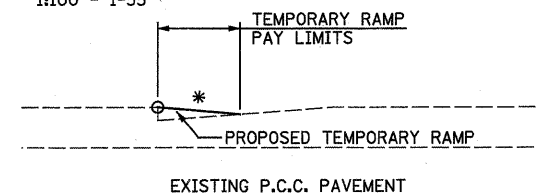
(LI 140 & IL 143 RAMPS)



**PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT DETAIL**

(NB & SB REST AREA RAMPS)

\*  
 1:40 - I-55 RAMPS  
 1:100 - I-55



**TEMPORARY RAMP DETAIL**

NOTES:  
 THE TEMPORARY RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.  
 INSTALLATION AND REMOVAL OF THE TEMPORARY RAMP WILL BE PAID FOR AS "TEMPORARY RAMP".  
 TEMPORARY RAMPS CONSTRUCTED ON I-55 AT THE 1:100 TAPER RATE SHALL BE CONSTRUCTED USING A STRING LINE TO THE SATISFACTION OF THE ENGINEER BEFORE USED BY TRAFFIC.

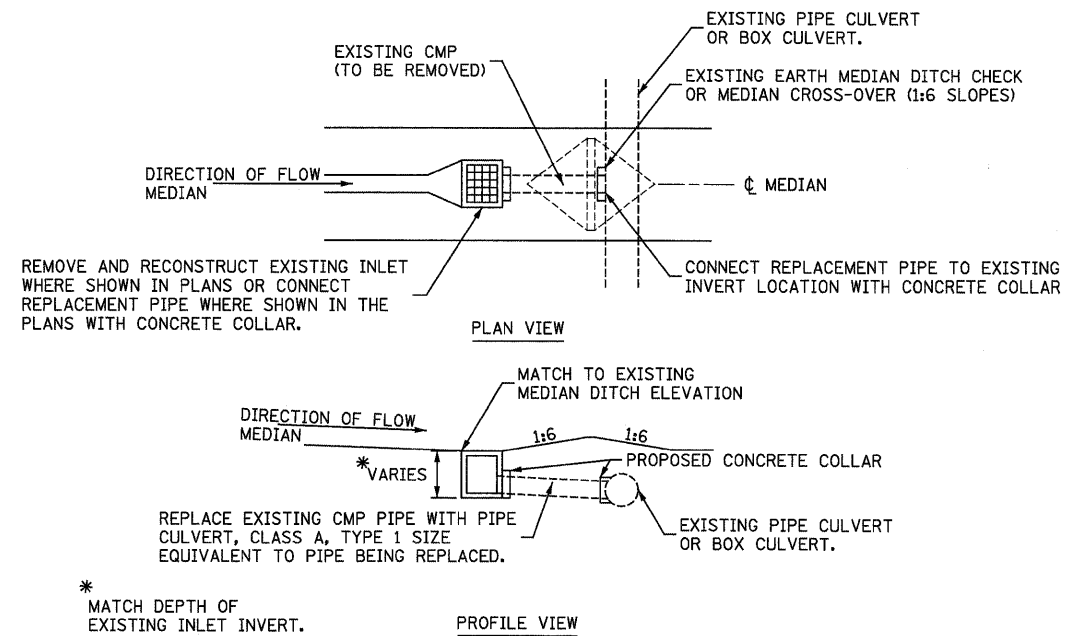
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<b>JD Johnson, Depp &amp; Quisenberry</b> CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED -
PLOT DATE = 06/04/2010 09:55:00	DATE -	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

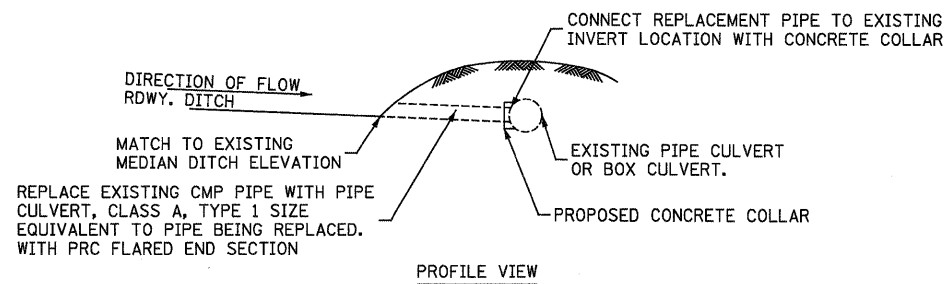
**JOINT DETAILS AND TEMPORARY RAMP DETAIL**

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

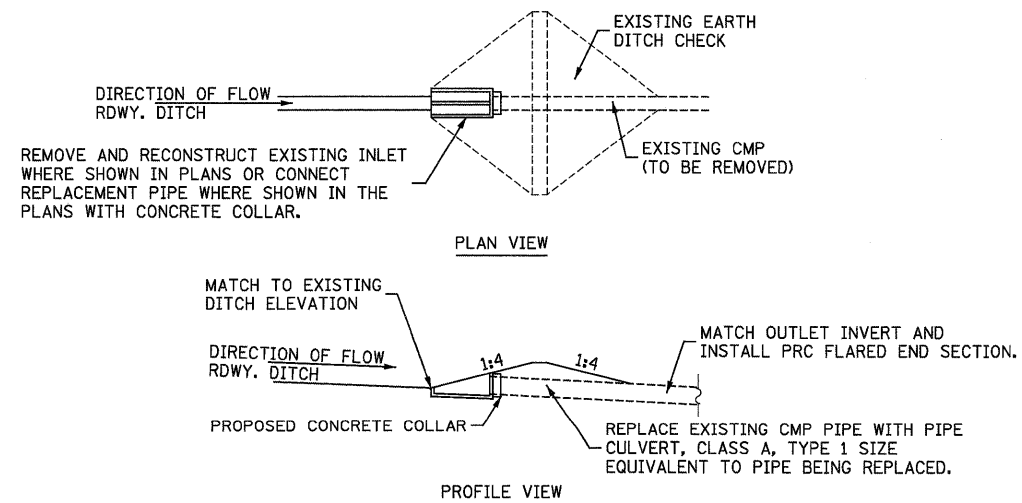
F.A.I. RTE. 55	SECTION 60-1,2,RS-2	COUNTY MADISON	TOTAL SHEETS 156	SHEET NO. 150
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C93	



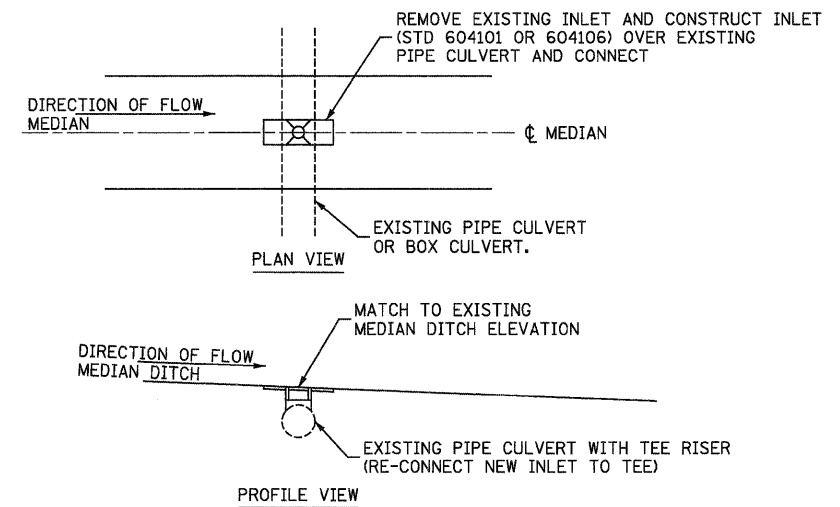
① DETAIL FOR REPLACING EXISTING INLET (STD. 542546) & CONNECTING PIPE



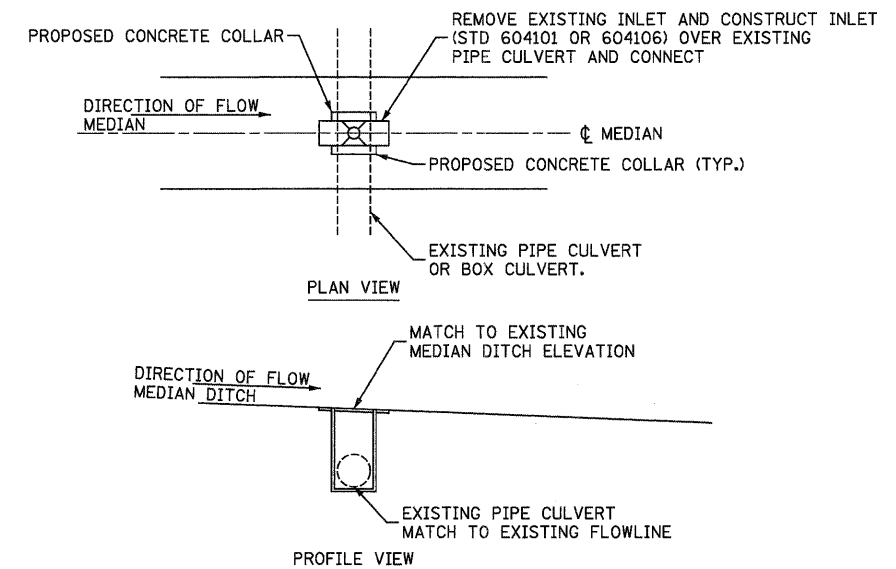
② DETAIL FOR REPLACING EXISTING ROADWAY DITCH CMP PIPES



③ DETAIL FOR REPLACING EXISTING INLET (STD. 542501) & CONNECTING PIPE IN ROADWAY DITCHES



④ DETAIL FOR RECONSTRUCTING INLET (STD 604101 OR 604106) TO EXISTING TEE RISER

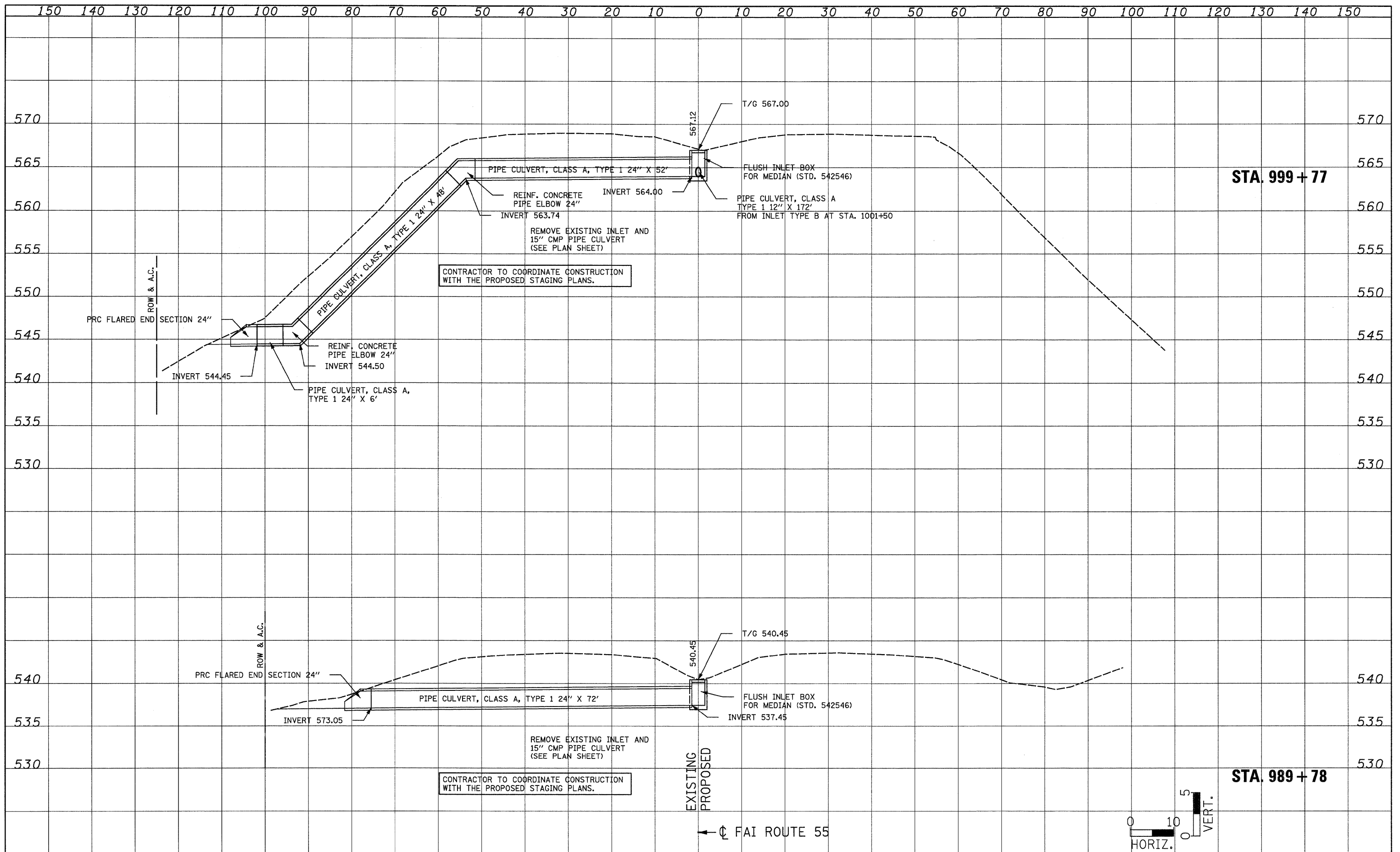


⑤ DETAIL FOR RECONSTRUCTING INLET (STD 604101 OR 604106)



DATE	
BY	
SURVEYED	
PLANNED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

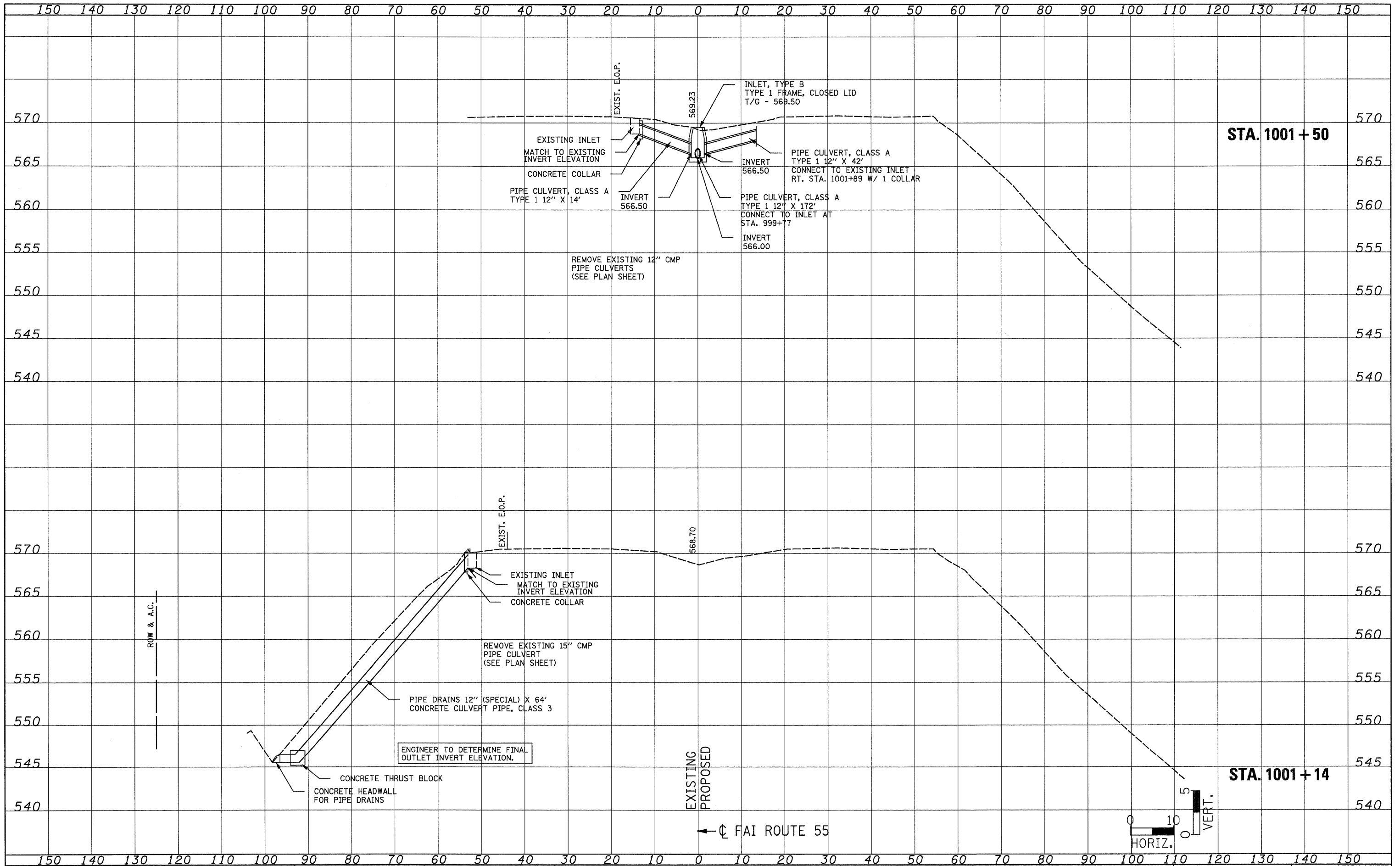
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BY	
SURVEYED	
PLANNED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PIPE SECTIONS</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...oaddd0876c93-ahp:pipeasot.dgn		DRAWN -	REVISED -		55	60-(1,2)RS-2	MADISON	156	153				
Johnson, Depp & Gulesberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 76C93				
	PLOT DATE = 06/23/2010 15:36:36	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
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SURVEYED	
PLANNED	
TEMPLATE	
AREAS	
CHECKED	



FILE NAME = ...oaddd0876c93-ah-ppesot.dgn  
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 PLOT DATE = 08/23/2010 15:36:36

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

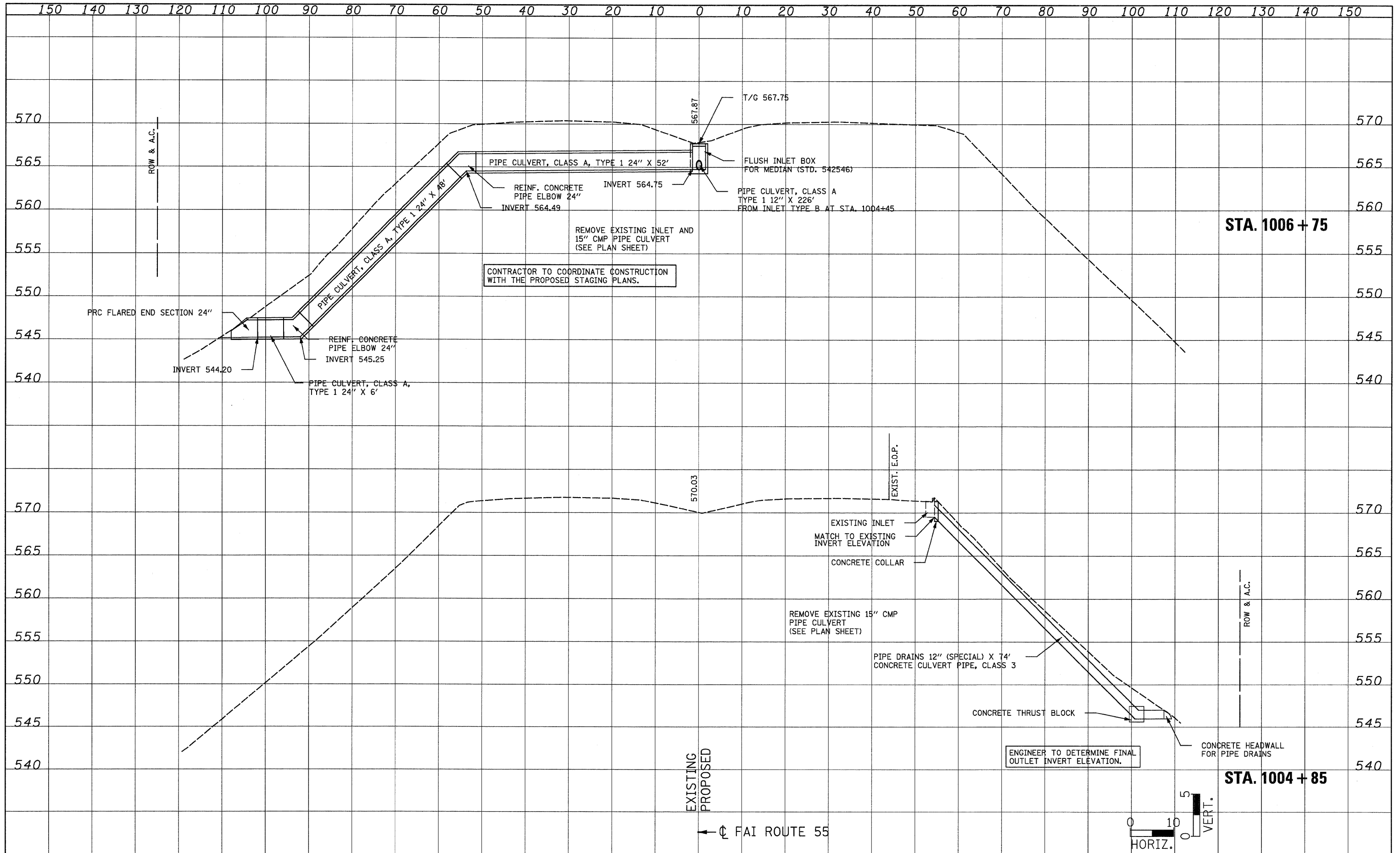
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(L)2RS-2	MADISON	156	154
CONTRACT NO. 76C93				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





DATE	
BY	
SURVEYED	
NOTED	
REVISIONS	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
NOTED	
REVISIONS	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = SJS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PIPE SECTIONS</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
...\\cadd\0876C93-ah-tpipesect.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	55	60-(1,2)RS-2	MADISON	156	156
		CHECKED -	REVISED -		CONTRACT NO. 76C93									
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DATE -	REVISED -		ILLINOIS FED. AID PROJECT									