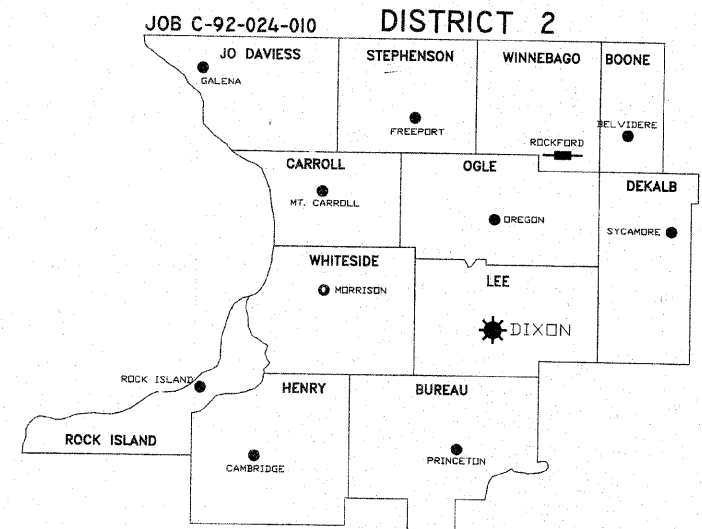


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

F.A.U. 5126 (LONGWOOD STREET)  
(BENTON STREET TO Y BOULEVARD)  
CITY OF ROCKFORD, WINNEBAGO COUNTY  
SECTION 09-00568-00-RS  
JOB C-92-024-10  
PROJECT ARA-5099(097)  
CONTRACT 85492

COMMITMENTS - NONE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.	WINNEBAGO	X	1
F.H.V.A. REG.	ILLINOIS PROJECT		



★ DISTRICT HEADQUARTERS  
— PROJECT LOCATION

INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER
2	GENERAL NOTES
3-4	SUMMARY AND SCHEDULE OF QUANTITIES
5	TYPICAL SECTIONS
6	STORM WATER POLLUTION PREVENTION PLAN
7-9	PLAN AND PROFILES
10	DETOUR PLAN
11-13	STRIPING PLANS
14-21	IDOT DISTRICT 2 HIGHWAY STANDARDS
22	CITY OF ROCKFORD STANDARD DETAILS
23	RRWRD DETAILS

IDOT HIGHWAY STANDARDS

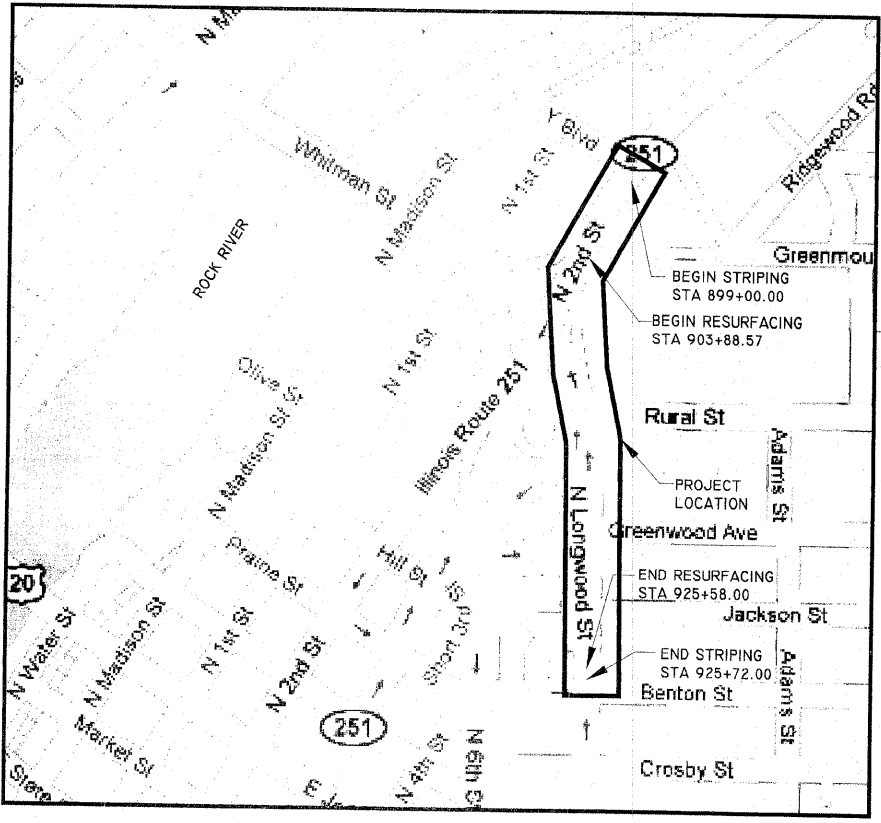
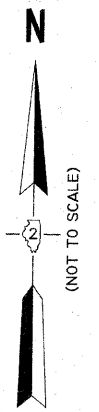
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
424001-05	CURB RAMPS FOR SIDEWALKS
442101-07	CLASS B PATCHES
604001-03	FRAME AND LIDS TYPE I
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-03	CORRUGATED PC CONCRETE MEDIANS
701411-06	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701601-06	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRANSVERSABLE MEDIAN
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-02	TYPICAL PAVEMENT MARKINGS

IDOT DISTRICT 2 HIGHWAY STANDARDS (SHEETS 14-21)

4.1	PC CONCRETE ISLANDS AND MEDIANS ACCESSIBLE TO THE DISABLED
17.4A	CATCH BASIN OR INLETS TO BE ADJUSTED OR RECONSTRUCTED
40.1	TRAFFIC CONTROL FOR ROAD CLOSURE
41.1	TYPICAL PAVEMENT MARKINGS
44.1	PAINTING DETAILS
91.2	ROUGH GROOVED SURFACE SIGN
94.2	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
97.4	SUBGRADE REPLACEMENT

CITY OF ROCKFORD STANDARDS (SHEET 22)

DTL-CURB M6.18	COMBINATION CONCRETE CURB & GUTTER, TYPE M6.18 MODIFIED
DTL-DRV	DRIVEWAY DETAIL
DTL-DRV5	DRIVEWAY DETAIL (5.0' FLARES)
DTL-ADARAMP09	ADA CURB RAMP DETAIL FOR INTERSECTIONS
	EROSION CONTROL DETAIL FOR INLETS



R. I. E. 3RD P.M.

ROCKFORD NORTHWEST TOWNSHIP, SECTION 23  
WINNEBAGO COUNTY

TOTAL PROJECT LENGTH = 2672.00 FEET = 0.506 MILES (STRIPING)  
2169.43 FEET = 0.411 MILES (PAVING)

SCALES:

SWWP PLAN:	1" = 50'	ADT = 7400, 7% TRUCKS
ROADWAY PLAN:	1" = 20'	MINOR ARTERIAL
STRIPING PLAN:	1" = 20'	LAPP POLICY



1-800-892-0123  
TOLL FREE

AGENCY RESPONSIBLE FOR LETTING	
APPROVED	<i>Jon Hollander</i> 10-16-09 <u>Jon Hollander, P.E., CITY ENGINEER</u> Local Agency, Position
PASSED	NOV 4 2009 <i>[Signature]</i> District 2 Engineer of Local Roads & Streets
RELEASING FOR BID BASED ON LIMITED REVIEW	NOV 4 2009 <i>[Signature]</i> Deputy Director of Highways, Region 2 Engineer

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Illinois.

Signature: Kerry R. Lin, P.E.

Date: 10/16/09 Reg No.: 062-049244  
(Month, Day, Year)

My registration renewal date is November 30, 2009.

"PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS"

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

SCALE:	NTS
DRAWN BY:	KRL
CHECKED BY:	PDS
DATE:	10/16/09

**McClure**  
Engineering Associates, Inc.  
7282 Argus Drive Rockford, Illinois 61107-5837  
(815) 398-2332 FAX (815) 398-2496  
Design Firm License: Illinois 184-000816  
Consultant License: Illinois 184-000816

**COVER**  
LONGWOOD STREET (SECTION 09-00568-00-RS)  
WHITMAN STREET INTERCHANGE ROCKFORD, ILLINOIS  
FILE:H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 COVER.DWG

SHEET NO.  
1  
OF  
23

CONSULTANT: MCCLURE ENGINEERING ASSOCIATES, INC. PROJECT MANAGER: PATRICK D. STEWART (815) 398-2332 SENIOR SQUAD LEADER:





SCHEDULE OF QUANTITIES

44300200 - STRIP REFLECTIVE CRACK CONTROL TREATMENT

Table with columns STA, SIDE, FOOT. Rows include stations from 903+89 to 922+71. Total: 4021.

60610100 - COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.18 (MODIFIED)

Table with columns STA, SIDE, FOOT. Rows include stations from 911+65 to 923+12. Total: 434.

70300250 - TEMPORARY PAVEMENT MARKING - LINE 8"

Table with columns TURN LANE, STA, FOOT. Rows include stations from 900+11 to 922+76. Total: 1582.

70301000 - WORK ZONE PAVEMENT MARKING REMOVAL

Table with columns SKIP DASH - SHORT TERM, TURN LANES - SHORT TERM, STA, SQ FT, FOOT. Rows include stations from 909+01 to 922+76. Total: 64.

78000600 - THERMOPLASTIC PAVEMENT MARKING - LINE 12"

Table with columns DIAGONALS, STA, FOOT. Rows include stations 903+55, 909+01. Total: 44.

Z0028700 - GRANULAR SUBGRADE REPLACEMENT

FOR CONTINGENCY, ASSUME 1/3 OF ALL PATCHES WILL REQUIRE THIS ITEM

Table with columns PATCH, CU YD. Rows include types II, III, IV. Total: 162.

60255500 - MANHOLES TO BE ADJUSTED

Table with columns STA, OFF, SIDE, EACH. Rows include stations from 911+80 to 921+66. SUB-TOTAL: 9.

TO ACCOUNT FOR ITEM 60255800 CONTINGENCY, SAY 7 TOTAL

60255800 - MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID

FOR CONTINGENCY, USE 20% OF TOTAL MANHOLES, SAY 2 TOTAL

60260200 - INLETS TO BE ADJUSTED (SPECIAL)

Table with columns STA, OFF, SIDE, EACH. Rows include stations from 905+00 to 922+69. Total: 27.

60265700 - VALVE VAULTS TO BE ADJUSTED

Table with columns STA, OFF, SIDE, EACH. Rows include stations 911+96, 912+45, 913+62. SUB-TOTAL: 3.

TO ACCOUNT FOR ITEM 60265900 CONTINGENCY, SAY 2 TOTAL

60265900 - VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID

FOR CONTINGENCY, USE 1/3 OF TOTAL VALVE VAULTS, SAY 1 TOTAL

70106800 - CHANGEABLE MESSAGE SIGN

Table with columns SIGNS, MONTHS/EACH, CAL MO. Row: 3, 1.5, 4.5. Total: 4.5.

70300100 - SHORT-TERM PAVEMENT MARKING

Table with columns SKIP DASH, STA, FOOT. Rows include stations from 909+01 to 922+34. SUB-TOTAL: 360.

Table with columns TURN LANE, STA, FOOT. Rows include stations 912+91, 922+76. SUB-TOTAL: 64.

TOTAL: 424

70300210 - TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS

Table with columns STA, ITEM, SQ FT. Rows include stations from 912+83 to 923+66. Total: 104.

70300220 - TEMPORARY PAVEMENT MARKING - LINE 4"

Table with columns EDGE LINE, STA, FOOT. Rows include stations from 899+00 to 911+64. SUB-TOTAL: 3353.

Table with columns SKIP DASH, STA, FOOT. Rows include stations from 909+01 to 922+34. SUB-TOTAL: 500.

TOTAL: 3853

70300240 - TEMPORARY PAVEMENT MARKING - LINE 6"

Table with columns CROSSWALK LINES, INTERSECTION, FOOT. Rows include JACKSON. Total: 93.

70300260 - TEMPORARY PAVEMENT MARKING - LINE 12"

Table with columns DIAGONALS, STA, FOOT. Rows include stations 903+55, 918+90. Total: 128.

TOTAL: 172

70300280 - TEMPORARY PAVEMENT MARKING - LINE 24"

Table with columns STOP BAR, INTERSECTION, APPROACH, FOOT. Rows include RURAL, Y BLVD. Total: 27.

78000100 - THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

Table with columns STA, ITEM, SQ FT. Rows include stations from 912+83 to 923+66. Total: 104.

78000200 - THERMOPLASTIC PAVEMENT MARKING - LINE 4"

Table with columns EDGE LINE, STA, FOOT. Rows include stations from 899+00 to 911+64. SUB-TOTAL: 3353.

Table with columns SKIP DASH, STA, FOOT. Rows include stations from 909+01 to 922+34. SUB-TOTAL: 500.

TOTAL: 3853

78000400 - THERMOPLASTIC PAVEMENT MARKING - LINE 6"

Table with columns CROSSWALK LINES, INTERSECTION, FOOT. Rows include JACKSON. Total: 93.

LETTERS AND SYMBOLS - TEMPORARY

Table with columns STA, ITEM, TOTAL. Rows include stations from 912+83 to 923+66. Total: 104.

Table with columns EDGE LINE - TEMPORARY, STA, SQ FT. Rows include stations from 899+00 to 911+64. SUB-TOTAL: 1118.

Table with columns SKIP DASH - TEMPORARY, STA, SQ FT. Rows include stations from 909+01 to 922+34. SUB-TOTAL: 167.

Table with columns CROSSWALKS - TEMPORARY, LOCATION, SQ FT. Rows include JACKSON. SUB-TOTAL: 47.

Table with columns TURN LANES - TEMPORARY, STA, SQ FT. Rows include stations from 900+11 to 922+76. SUB-TOTAL: 1055.

Table with columns DIAGONALS - TEMPORARY, STA, SQ FT. Rows include stations 903+55, 918+90. SUB-TOTAL: 172.

Table with columns STOP BARS - TEMPORARY, INTERSECTION, APPROACH, SQ FT. Rows include RURAL, Y BLVD. SUB-TOTAL: 54.

78000500 - THERMOPLASTIC PAVEMENT MARKING - LINE 8"

Table with columns TURN LANE LINES & ISLANDS, STA, FOOT. Rows include stations from 900+11 to 922+76. Total: 880.

78000650 - THERMOPLASTIC PAVEMENT MARKING - LINE 24"

Table with columns STOP BAR, INTERSECTION, APPROACH, FOOT. Rows include RURAL, Y BLVD. Total: 14.

TOTAL: 27

78005140 - EPOXY PAVEMENT MARKING - LINE 8"

Table with columns MEDIAN, STA, FOOT. Rows include stations 918+15. Total: 702.

78005150 - EPOXY PAVEMENT MARKING - LINE 12"

Table with columns DIAGONALS, STA, FOOT. Rows include stations 918+90. Total: 128.

X0321556 - SANITARY MANHOLES TO BE ADJUSTED

Table with columns STA, OFF, SIDE, EACH. Rows include stations from 912+02 to 924+46. Total: 6.

Z0010700 - COLD MILLING

Table with columns STA, STA, SQ YD. Rows include stations 903+89, 918+86. Total: 5140.

Z0028415 - GEOTECHNICAL REINFORCEMENT

FOR CONTINGENCY, ASSUME 1/3 OF ALL PATCHES WILL REQUIRE THIS ITEM

Table with columns PATCH, SQ YD. Rows include types II, III, IV. Total: 148.

TOTAL: 962

Z0017202 - DOWEL BARS 1 1/2"

Table with columns STA & OFF ARE TO CENTER OF THE PATCH, STA, OFF, SIDE, EACH. Rows include stations from 924+86 to 924+34. Total: 2389.

Table with columns SHEET REVIEW, AGENCY, DATE.

Table with columns REVISIONS, NO., ITEM, DATE.

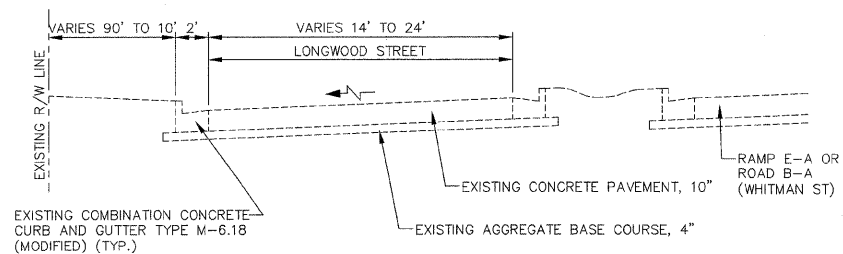
Table with columns REVISIONS, NO., ITEM, DATE.

Table with columns SCALE, DRAWN BY, CHECKED BY, DATE.

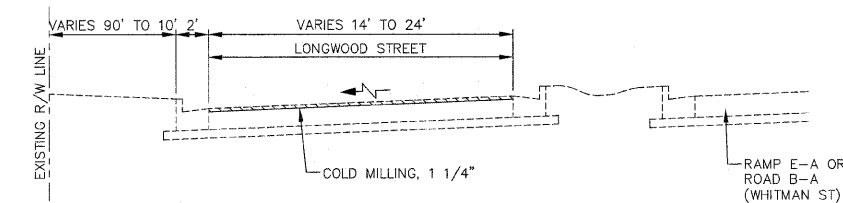
McClure Engineering Associates, Inc. logo and contact information.

SCHEDULE OF QUANTITIES title block with project name, location, and drawing details.

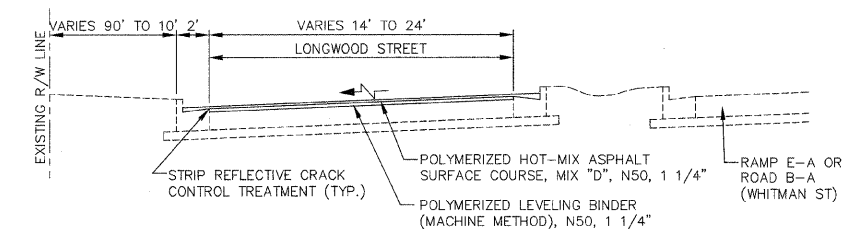
# LONGWOOD STREET TYPICAL SECTIONS



**EXISTING SECTION**  
STA 903+88.57 TO STA 918+86.49



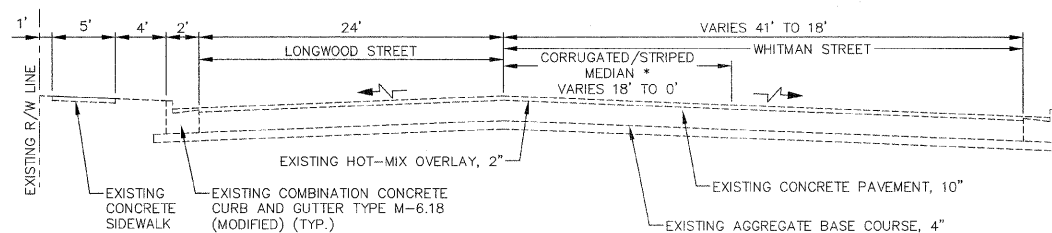
**REMOVAL SECTION**  
STA 903+88.57 TO STA 918+86.49



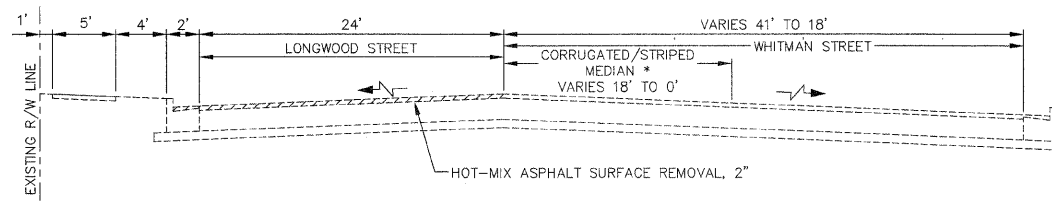
**PROPOSED SECTION**  
STA 903+88.57 TO STA 918+86.49

**MIXTURE COMPOSITION TABLE**

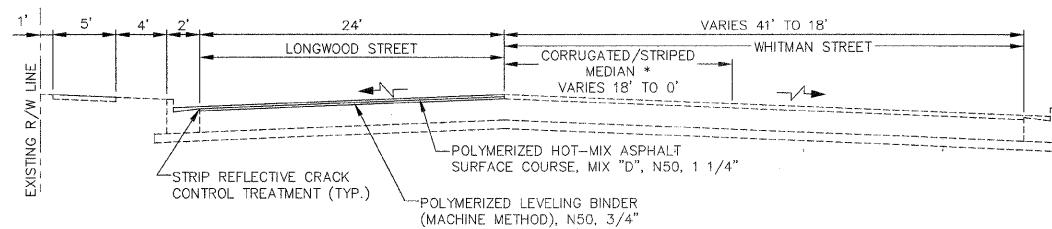
MIXTURE USE	SURFACE	LEVELING BINDER
PG	SBS PG 64-28	SBS PG 64-28
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL-9.5	IL-9.5
FRICTION COEFFICIENT	D	N/A
20-YR ESAL	1.4	1.4



**EXISTING SECTION**  
STA 918+86.49 TO STA 922+65.20



**REMOVAL SECTION**  
STA 918+86.49 TO STA 922+65.20

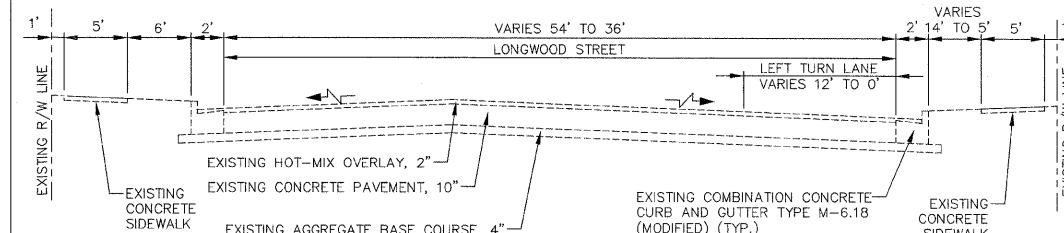


**PROPOSED SECTION**  
STA 918+86.49 TO STA 922+65.20

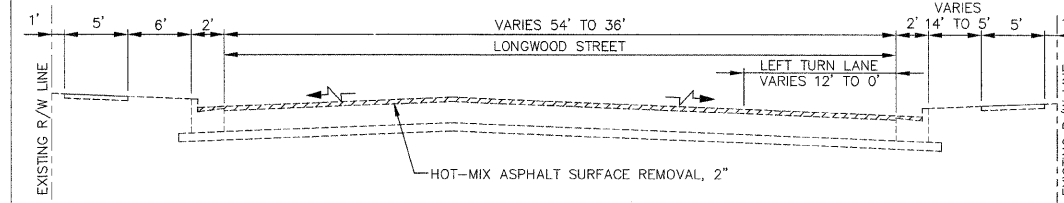
**MIXTURE COMPOSITION TABLE**

MIXTURE USE	SURFACE	LEVELING BINDER
PG	SBS PG 64-28	SBS PG 64-28
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL-9.5	IL-9.5
FRICTION COEFFICIENT	D	N/A
20-YR ESAL	1.4	1.4

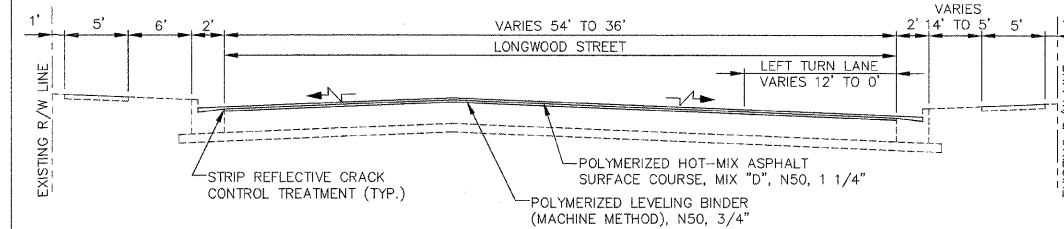
\* NOTE: CORRUGATED MEDIAN EXTENDS FROM STA 918+86.49 TO STA 920+08.



**EXISTING SECTION**  
STA 922+65.20 TO STA 925+58.00



**REMOVAL SECTION**  
STA 922+65.20 TO STA 925+58.00



**PROPOSED SECTION**  
STA 922+65.20 TO STA 925+58.00

**MIXTURE COMPOSITION TABLE**

MIXTURE USE	SURFACE	LEVELING BINDER
PG	SBS PG 64-28	SBS PG 64-28
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL-9.5	IL-9.5
FRICTION COEFFICIENT	D	N/A
20-YR ESAL	1.4	1.4

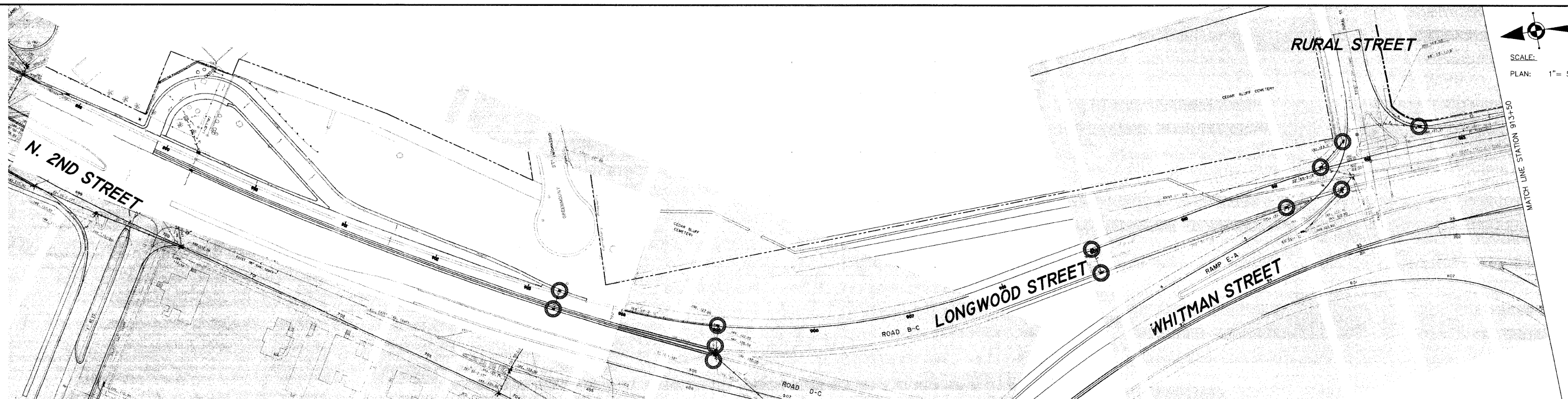
SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

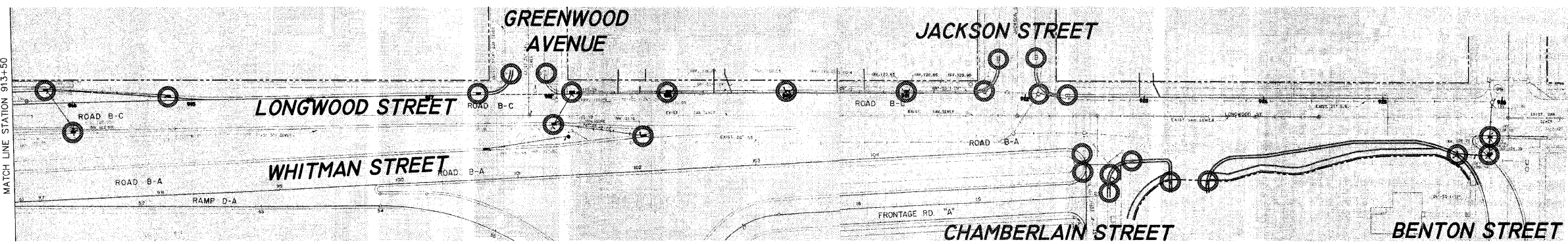
SCALE:	NA
DRAWN BY:	KRL
CHECKED BY:	PDS
DATE:	10/16/09

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Rockford, Illinois 61107-5837  
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**TYPICAL SECTIONS**  
LONGWOOD STREET (SECTION 09-00568-00-RS)  
WHITMAN STREET INTERCHANGE  
ROCKFORD, ILLINOIS  
FILE: H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 TYPICAL SECTIONS.DWG  
JOB: 04-28-09-024



SCALE:  
PLAN: 1" = 50'



SCALE:  
PLAN: 1" = 50'

**STORM WATER POLLUTION PREVENTION**

1. THE STORM WATER POLLUTION PREVENTION PLAN IS COMPRISED OF THE DRAWING MAPS, SPECIFICATIONS, AND THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN, ILLINOIS EPA NPDES GENERAL PERMIT, CITY OF ROCKFORD NPDES PERMIT, AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
5. GENERAL CONTRACTOR SHALL DENOTE ON EXHIBITS THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA.
6. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
7. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
8. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAY OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
9. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
10. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
11. INLET PROTECTION MUST BE PROVIDED AND MAINTAINED FOR ALL PROPOSED INLETS UNTIL FINAL GRADES HAVE BEEN ESTABLISHED.
12. THE EROSION CONTROL MEASURES INDICATED ON THE DRAWING MAPS ARE THE MINIMUM REQUIREMENTS.

**MAINTENANCE NOTES**

- ALL BMP MEASURES STATED ON THIS STORM WATER POLLUTION PREVENTION MAP AND PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE ROADWAY PROJECT. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
  2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEDED AS NEEDED.
  3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
  4. THE CONSTRUCTION AREA ACCESSES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO ADJACENT PUBLIC ROADWAYS AND RIGHTS-OF-WAY OUTSIDE WORK AREA.
  5. SILT BAGS IN REQUIRED INLET STRUCTURES SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT FROM SILT BAGS SHALL BE REMOVED FROM BAGS AND QUANTIFIED AND REPORTED WEEKLY.

**GENERAL NOTE:**

1. SEE STANDARDS AND DETAILS FOR BMPS.

**KEY LEGEND**

INLET PROTECTION 

SHEET REVIEW	
AGENCY	DATE

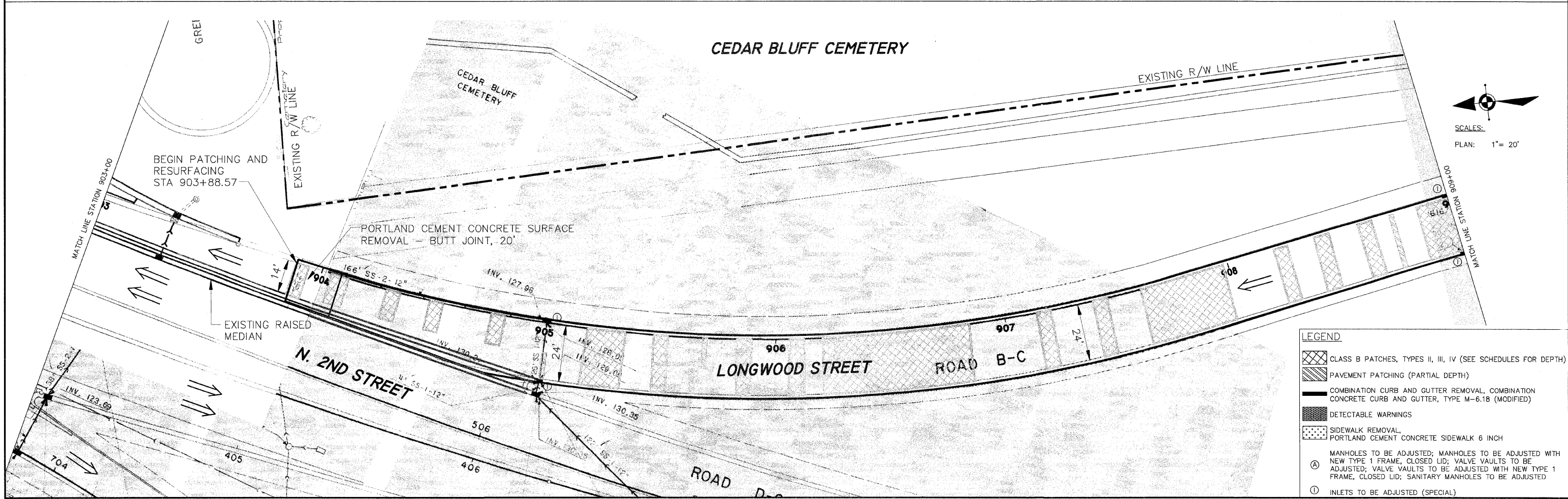
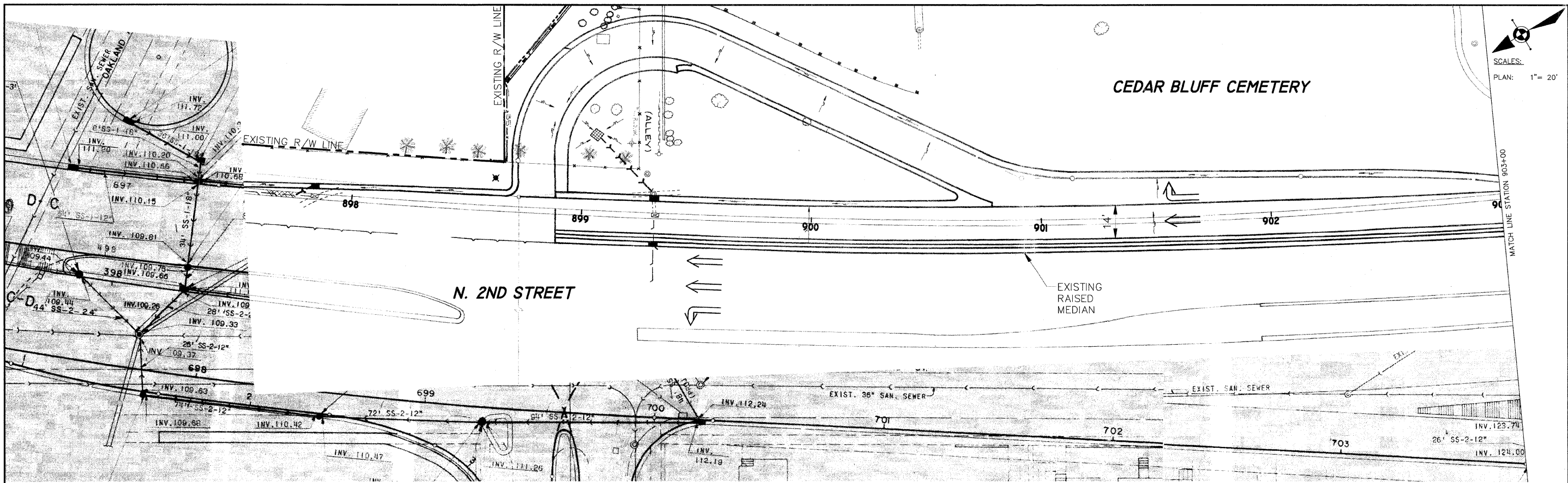
SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

SCALE:	1"=50'
DRAWN BY:	KRL
CHECKED BY:	PDS
DATE:	10/16/09

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Rockford, Illinois 61107-5837  
FAX (815) 398-2498  
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**STORM WATER POLLUTION PRESERVATION PLAN**  
LONGWOOD STREET (SECTION 09-00568-00-RS)  
WHITMAN STREET INTERCHANGE  
ROCKFORD, ILLINOIS  
FILE:H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 LONGWOOD SWPP.DWG  
JOB:04-28-09-024



**LEGEND**

- CLASS B PATCHES, TYPES II, III, IV (SEE SCHEDULES FOR DEPTH)
- PAVEMENT PATCHING (PARTIAL DEPTH)
- COMBINATION CURB AND GUTTER REMOVAL, COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.18 (MODIFIED)
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL, PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH

MANHOLES TO BE ADJUSTED; MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID; VALVE VAULTS TO BE ADJUSTED; VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID; SANITARY MANHOLES TO BE ADJUSTED

- INLETS TO BE ADJUSTED (SPECIAL)

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

SCALE:	1"=20'
DRAWN BY:	KRL
CHECKED BY:	PDS
DATE:	10/16/09

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**PLAN AND PROFILE**

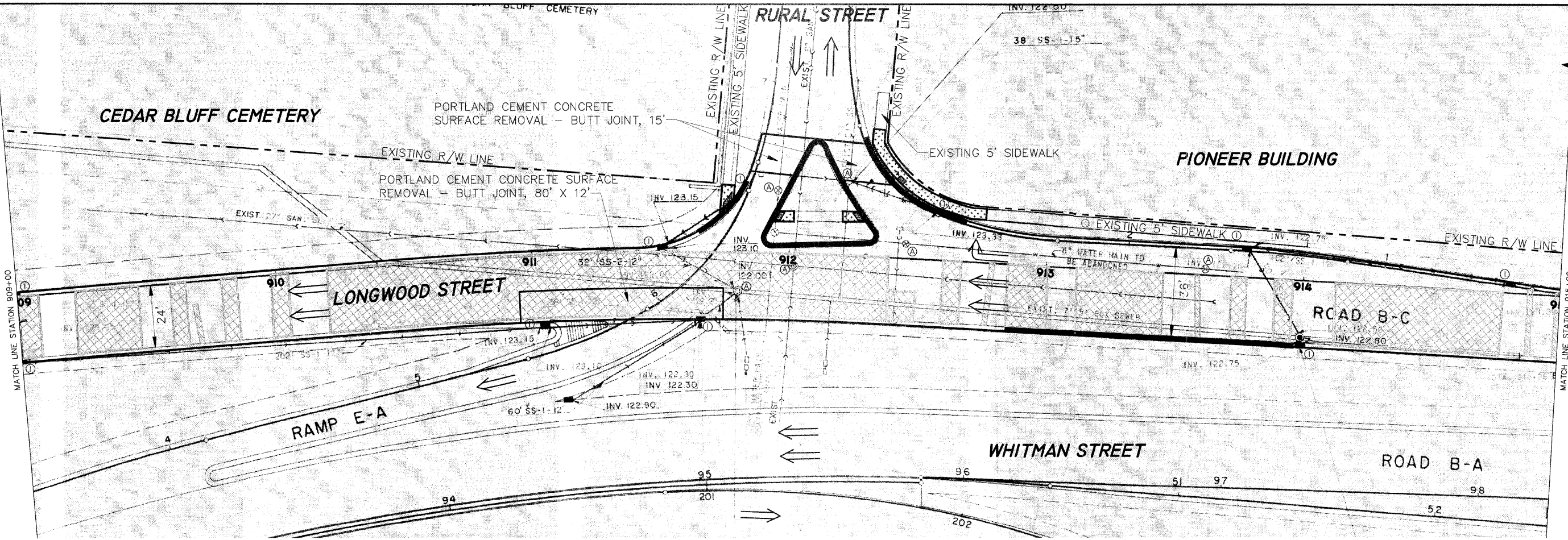
**LONGWOOD STREET (SECTION 09-00568-00-RS)**

WHITMAN STREET INTERCHANGE

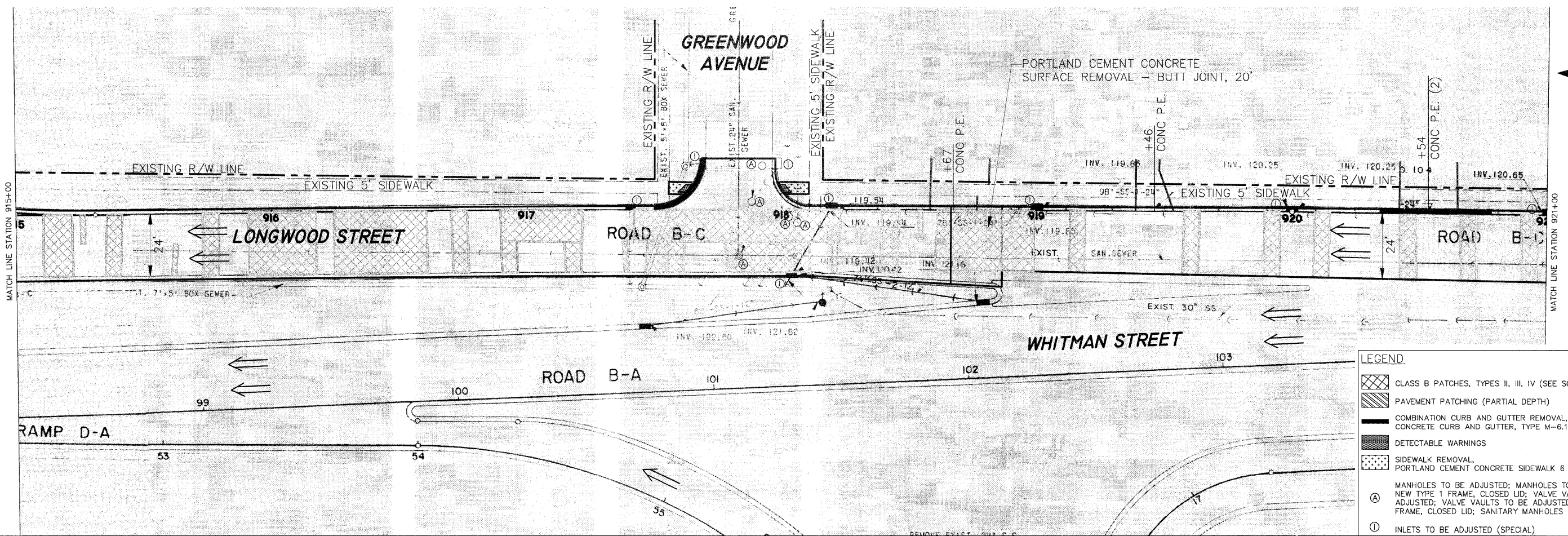
ROCKFORD, ILLINOIS

FILE: H:109-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\109-024 LONGWOOD P&P.DWG

JOB: 04-28-09-024



SCALES:  
PLAN: 1" = 20'



SCALES:  
PLAN: 1" = 20'

- LEGEND**
- CLASS B PATCHES, TYPES II, III, IV (SEE SCHEDULES FOR DEPTH)
  - PAVEMENT PATCHING (PARTIAL DEPTH)
  - COMBINATION CURB AND GUTTER REMOVAL, COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.18 (MODIFIED)
  - DETECTABLE WARNINGS
  - SIDEWALK REMOVAL, PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH
  - MANHOLES TO BE ADJUSTED; MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID; VALVE VAULTS TO BE ADJUSTED; VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID; SANITARY MANHOLES TO BE ADJUSTED
  - INLETS TO BE ADJUSTED (SPECIAL)

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

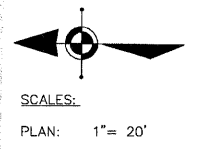
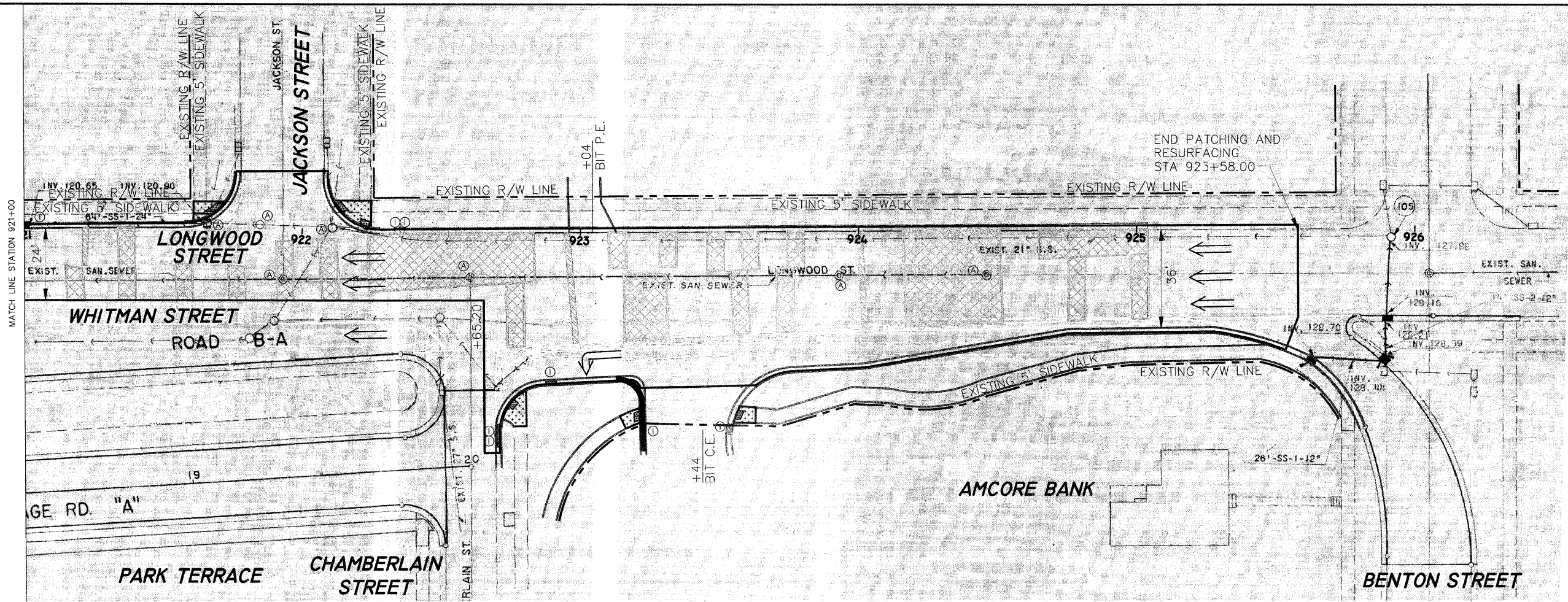
SCALE: 1" = 20'
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DATE: 10/16/09

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**PLAN AND PROFILE**  
LONGWOOD STREET (SECTION 09-00568-00-RS)  
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FILE:H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 LONGWOOD P&P.DWG  
JOB:04-28-09-024

SHEET NO. 8 OF 23
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- LEGEND**
- CLASS B PATCHES, TYPES II, III, IV (SEE SCHEDULES FOR DEPTH)
  - PAVEMENT PATCHING (PARTIAL DEPTH)
  - COMBINATION CURB AND GUTTER REMOVAL, COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.18 (MODIFIED)
  - DETECTABLE WARNINGS
  - SIDEWALK REMOVAL, PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH
  - MANHOLES TO BE ADJUSTED; MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID; VALVE VAULTS TO BE ADJUSTED; VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID; SANITARY MANHOLES TO BE ADJUSTED
  - INLETS TO BE ADJUSTED (SPECIAL)

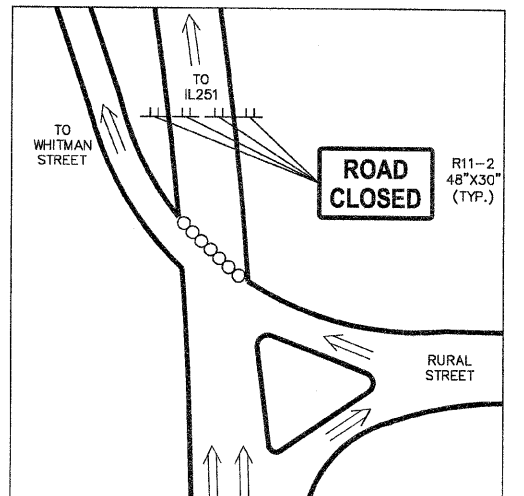
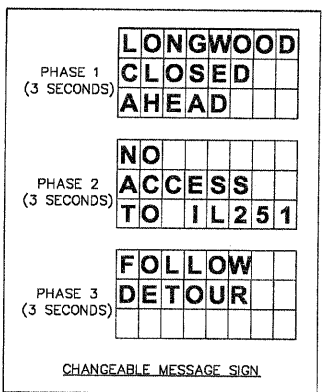
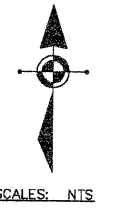
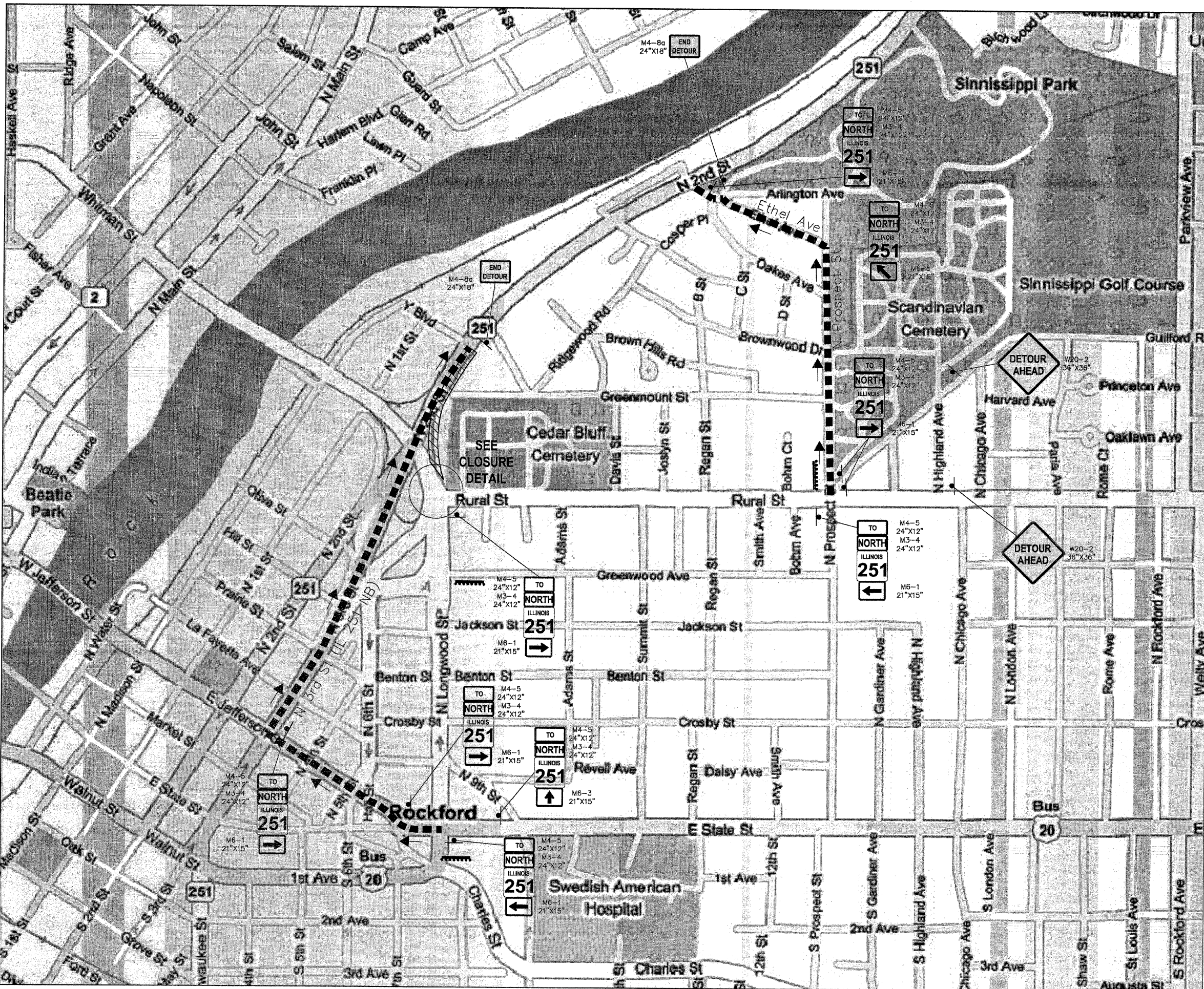
SHEET REVIEW	
AGENCY	DATE

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SCALE:	1"=20'
DRAWN BY:	KRL
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FILE:H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 LONGWOOD P&P.DWG JOB:04-28-09-024



CLOSURE DETAIL

NOTES

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE NEARBY PROPERTY OWNERS WITHIN THE WORK ZONE OF THE ROAD CLOSURE. SUCH COORDINATION WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT.
2. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN EMERGENCY VEHICLE ACCESS TO ALL PROPERTIES ADJACENT TO THE IMPROVEMENTS AT ALL TIMES.
3. REFER TO IDOT HIGHWAY STANDARDS 701411, 701601, 701701, 701801 AND 701901 AND IDOT DISTRICT 2 HIGHWAY STANDARDS 40.1, 91.2, AND 94.2 FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS.

LEGEND

- CHANGEABLE MESSAGE SIGN
- SIGNS
- TYPE III BARRICADE
- WORK AREA
- DETOUR ROUTE
- DRUM WITH LIGHTS

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

SCALE:	NA
DRAWN BY:	TH
CHECKED BY:	PDS
DATE:	10/16/09

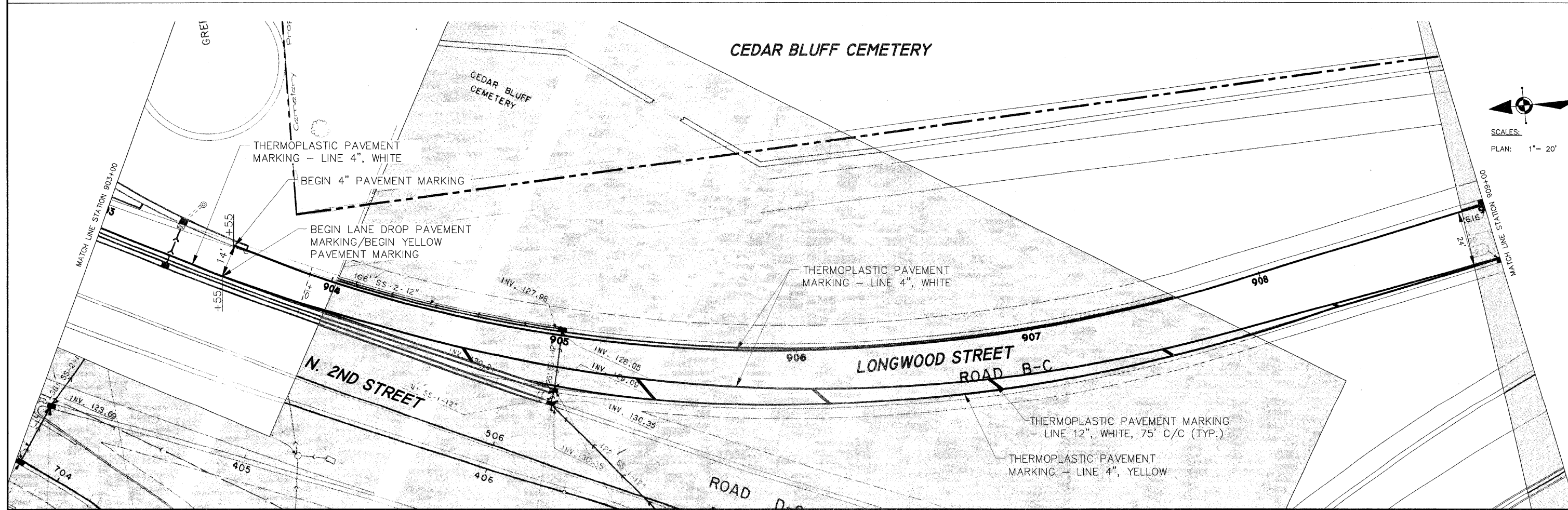
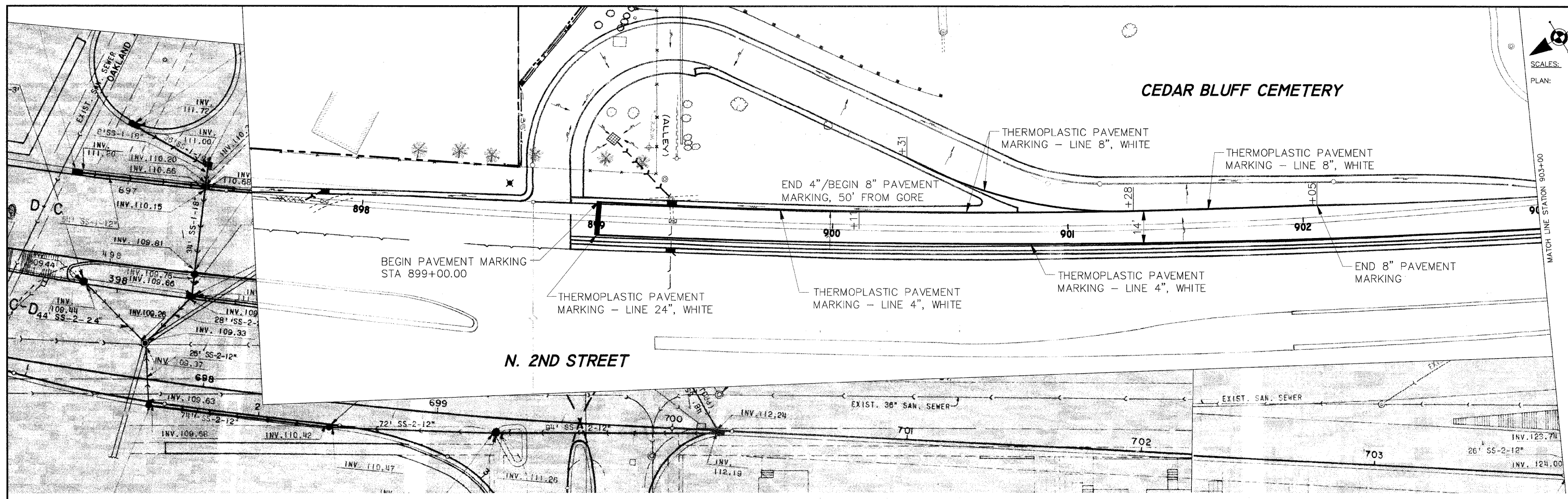
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**DETOUR PLAN**  
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ROCKFORD, ILLINOIS  
FILE: H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 DETOUR PLAN.DWG  
JOB: 04-28-09-024

SHEET NO.	10
OF	23



SCALES:  
PLAN: 1" = 20'



SCALES:  
PLAN: 1" = 20'

SHEET REVIEW	
AGENCY	DATE

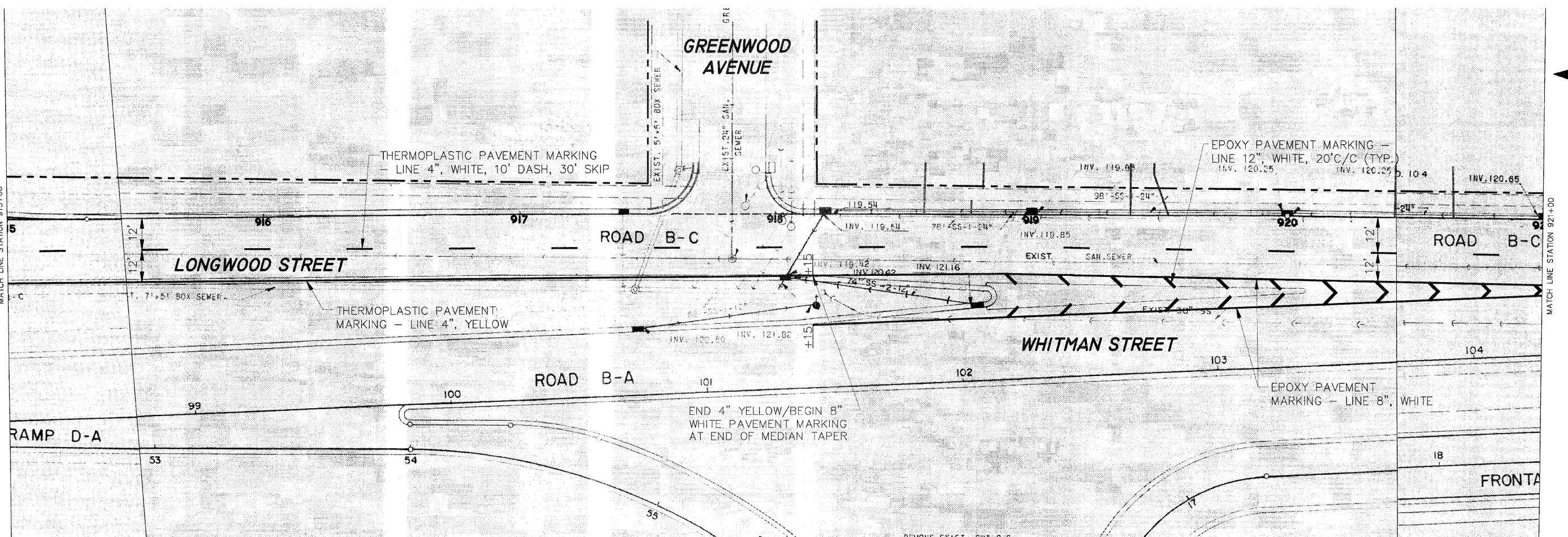
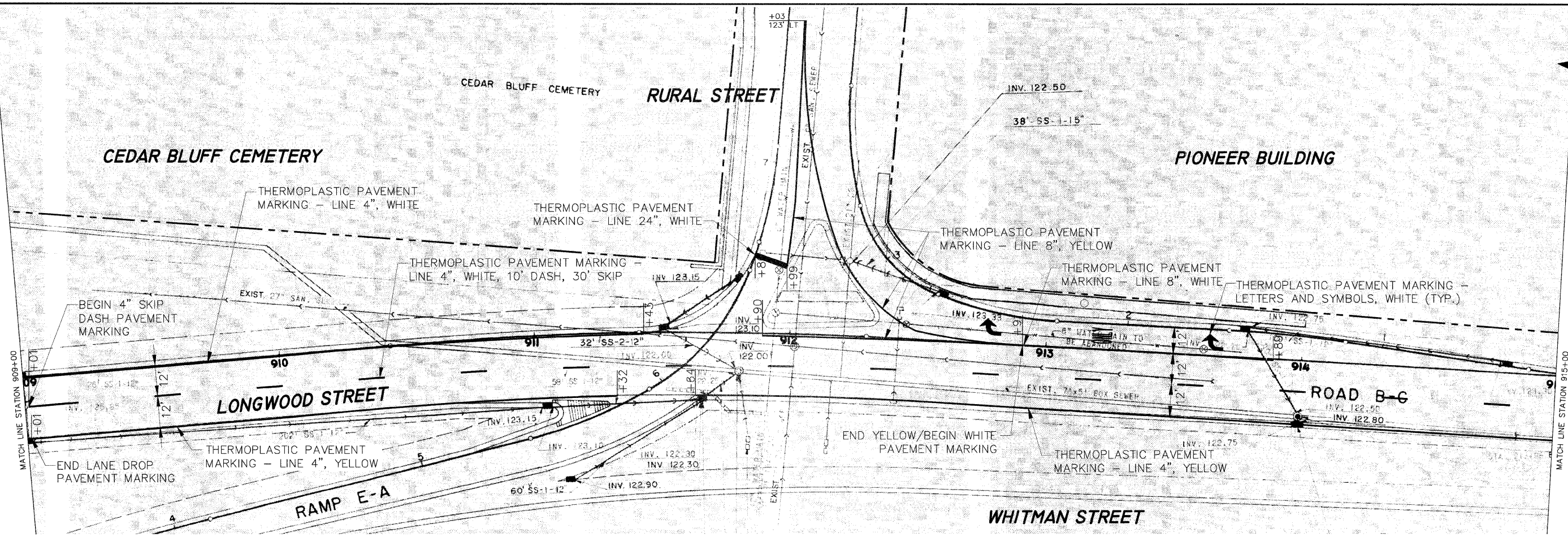
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**STRIPING PLAN**  
**LONGWOOD STREET (SECTION 09-00568-00-RS)**  
WHITMAN STREET INTERCHANGE  
ROCKFORD, ILLINOIS  
FILE:H:109-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\109-024 LONGWOOD STRIPE.DWG  
JOB:04-28-09-024

SHEET NO.  
**11**  
OF  
**23**



SHEET REVIEW	
AGENCY	DATE

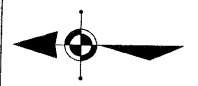
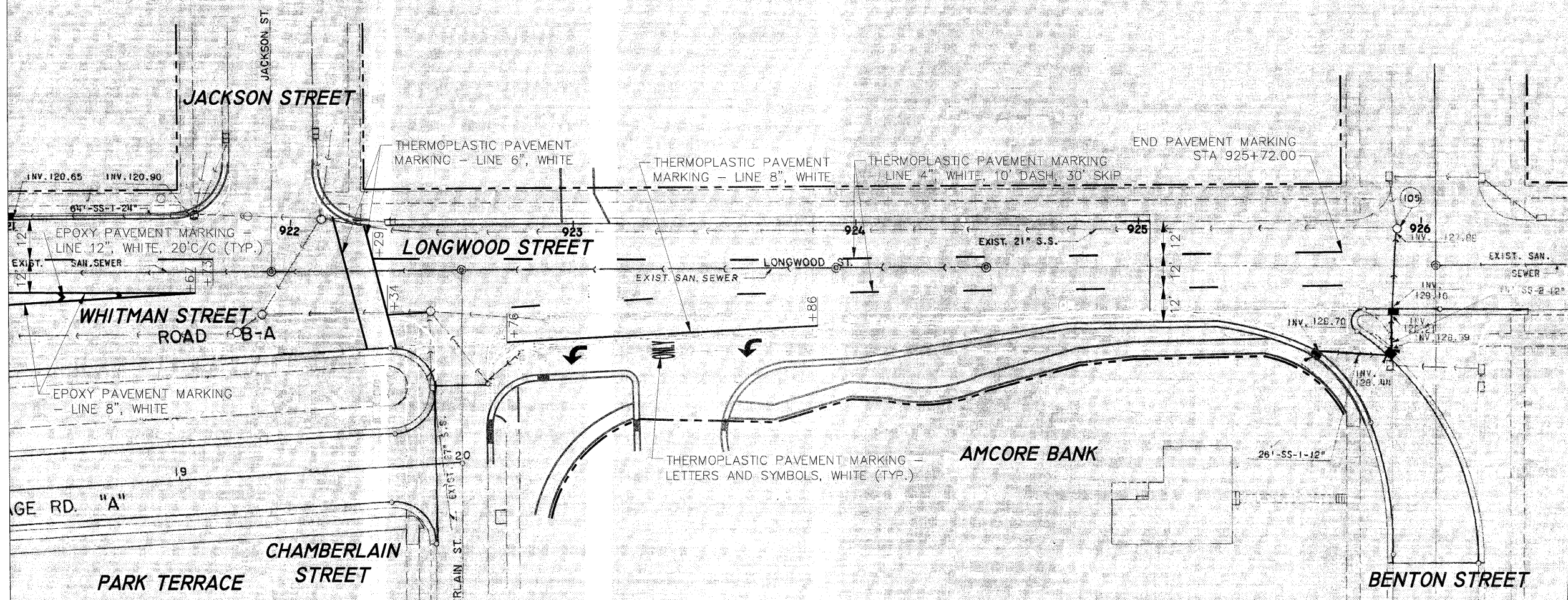
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NO.	DATE

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DATE:	10/16/09

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**LONGWOOD STREET (SECTION 09-00568-00-RS)**  
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ROCKFORD, ILLINOIS  
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JOB:04-28-09-024

MATCH LINE STATION 921+00



SCALES:  
PLAN: 1" = 20'

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AGENCY	DATE

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**STRIPING PLAN**

**LONGWOOD STREET (SECTION 09-00568-00-RS)**

WHITMAN STREET INTERCHANGE ROCKFORD, ILLINOIS

FILE: H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 LONGWOOD STRIPE.DWG JOB: 04-28-09-024

SHEET NO.  
**13**  
OF  
**23**

# PC CONCRETE ISLANDS AND MEDIANS ACCESSIBLE TO THE DISABLED

General Notes:

See Standard 606301 and plan sheets for station & offsets, radii, dimensions, and details not shown.

The sidewalk should drain to the low side of the island. If necessary the sidewalk shall be sloped to drain at a maximum 2% grade.

See the plan general notes for the type of curb & gutter to be used on islands.

Curb & gutter adjacent to the walkway in the interior of the island shall have 150 (6) gutter flags.

The sidewalk should not be closer than 900 (36) from the corner of the island.

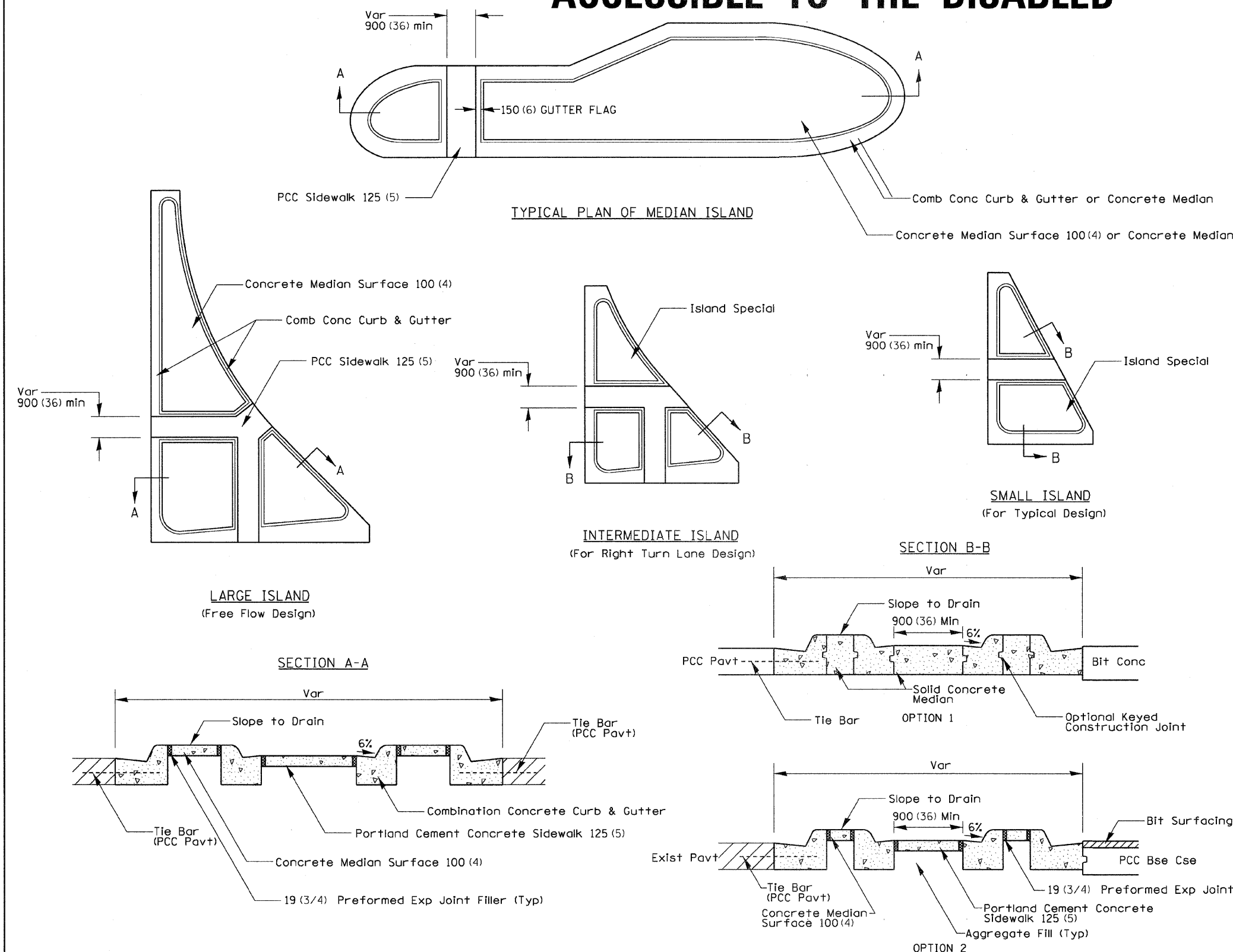
Keyed longitudinal construction joints shall be constructed without tie bars.

Medians and large islands shall consist of PCC Sidewalk 125 (5), Concrete Median Surface 100 (4), and Combination Concrete Curb & Gutter, Type M or B of the size specified. Median island can also be solid concrete medians.

Locations, layouts, and widths of the flush sidewalk area, shall be determined by the designer and shown on the plans.

The intermediate and small islands will be measured for payment from E.O.P. to E.O.P. using either option 1 or option 2, as directed by the Engineer, and will be paid for at the contract unit price per SQ M (SQ YD) for ISLAND SPECIAL, which shall include the combination curb & gutter, sidewalk, aggregate fill, concrete median surface, and solid concrete median.

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



FILE NAME = District 2 Standard	USER NAME = IDOT/District 2	DESIGNED - DRAWN -	REVISED - 6-9-03 REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 1,0000' / IN.	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO.		
	PLOT DATE = August 23 2007	DATE -	REVISED -								FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

## PC CONCRETE ISLANDS AND MEDIANS ACCESSIBLE TO THE DISABLED 4.1

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

SCALE: NA
DRAWN BY: KRL
CHECKED BY: PDS
DATE: 10/16/09

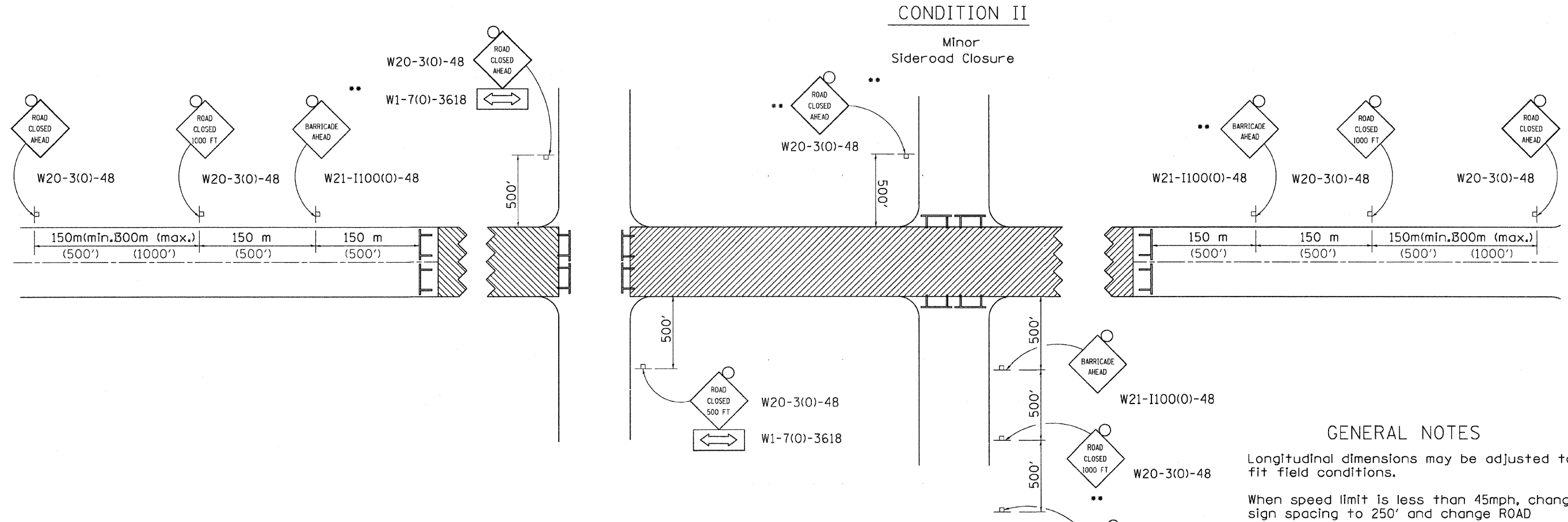
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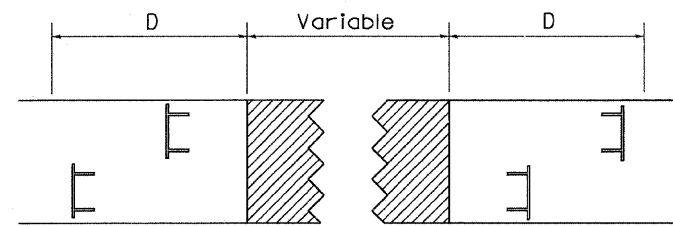
IDOT DISTRICT 2 HIGHWAY STANDARDS-I	
WHITMAN STREET INTERCHANGE	ROCKFORD, ILLINOIS
FILE: H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 DETAILS.DWG	JOB: 04-28-09-024

SHEET NO. 14 OF 23
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# TRAFFIC CONTROL FOR ROAD CLOSURE



## ROAD CLOSURE TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To All Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 600 m (2000') an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

## SYMBOLS

- Work area
- Type III Barricade with Flashers
- Sign with flashing light

## GENERAL NOTES

- Longitudinal dimensions may be adjusted to fit field conditions.
- When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.
- Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

- \*\* Where local access is to be maintained, barricades are to be set up as shown in Road Closed to thru traffic. Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

All dimensions are in millimeters (inches) unless otherwise shown.

## TYPICAL APPLICATION FOR ROAD CLOSURE

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED - 1-11-08	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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	PLOT SCALE = 1:8000' / IN.	CHECKED -	REVISED -			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT						
	PLOT DATE = Tue Jan 15 16:16:16 2008	DATE -	REVISED -									

## TRAFFIC CONTROL FOR ROAD CLOSURE 40.1

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
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DATE:	10/16/09

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**IDOT DISTRICT 2 HIGHWAY STANDARDS-2**  
LONGWOOD STREET (SECTION 09-00568-00-RS)  
WHITMAN STREET INTERCHANGE  
ROCKFORD, ILLINOIS  
FILE: H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 DETAILS.DWG  
JOB: 04-28-09-024

SHEET NO.  
**15**  
OF  
**23**

# ROUGH GROOVED SURFACE SIGN

ILLINOIS STANDARD W8-I107

SIGN PANEL TYPE 1



COLOR: LEGEND AND BORDER - BLACK NON-REFLECTIVE  
BACKGROUND - ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
1200x1200 (48x48)	1200 (48.0)	600 (24.1)	75 (3.0)	850 (34.0)	825 (33.0)	150 (6.0)	325 (13.0)	88 (3.5)

SIGN SIZE	SERIES LINES			MARGIN	BORDER	BLANK STD.
	1	2	3			
1200x1200 (48x48)	7C	7C	7C	20 (0.8)	30 (1.2)	B4-48D

ALL DIMENSIONS IN INCHES.

### GENERAL NOTES

SIGN PANELS AND FACE MATERIALS SHALL BE ACCORDING TO SECTION 720 OF THE STANDARD SPECIFICATIONS

METAL POSTS SHALL BE IN ACCORDANCE WITH STD. 720011.

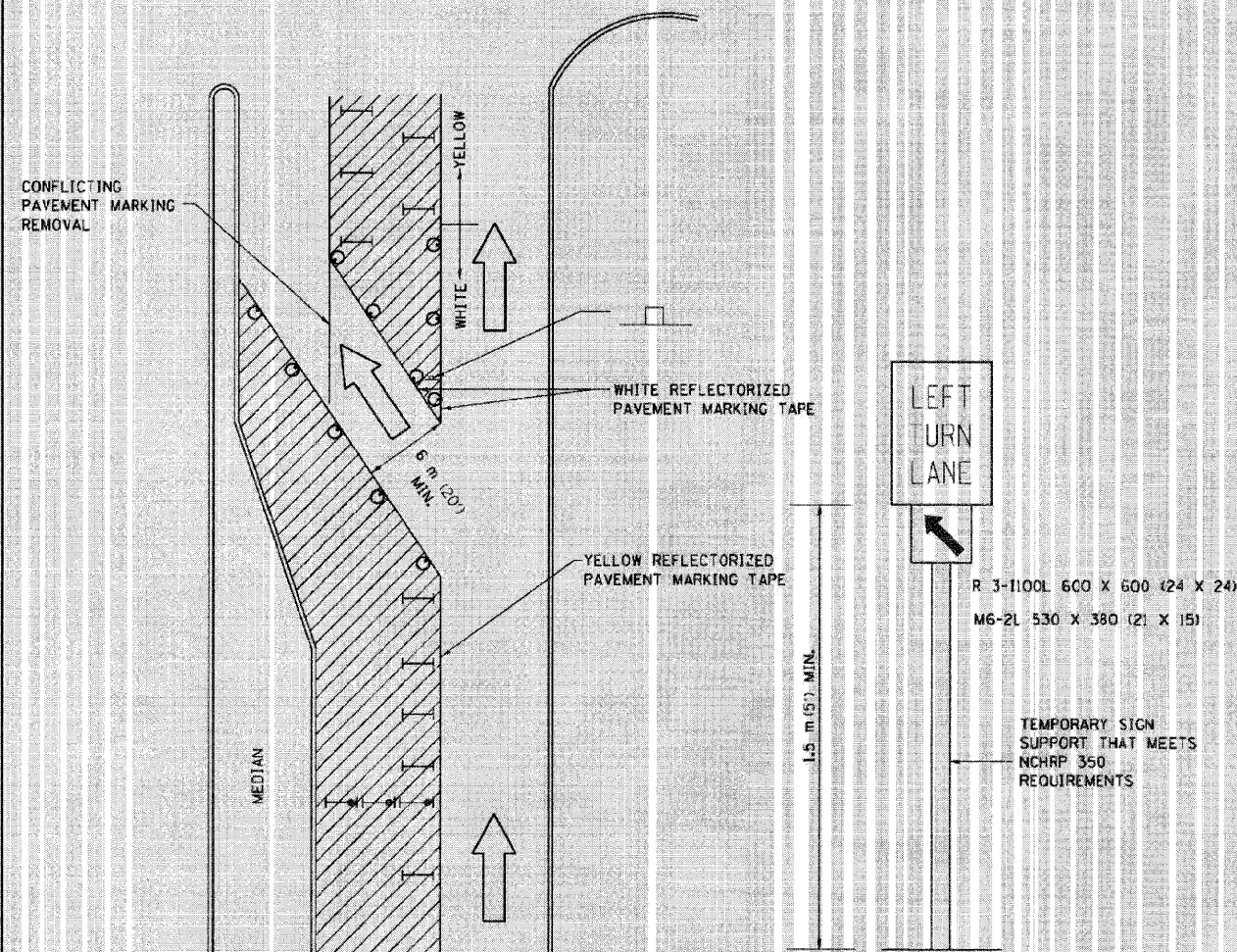
ALL MOUNTING HARDWARE SHALL BE ALUMINUM, STAINLESS STEEL, ZINC OR CADMIUM PLATED STEEL AND SHALL BE INCLUDED TO THE COST OF THE INSTALLATION.

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

REVISED - L-09-08	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -	REGION 2 / DISTRICT 2 STANDARD				
REVISED -	CONTRACT NO.				
REVISED -	SCALE: 1/4" = 1'-0"	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

## ROUGH GROOVED SURFACE SIGN 91.2

# TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)



### LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- SIGN (SEE DETAIL)
- TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

### GENERAL NOTES

CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT.

STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.

REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.

THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 600 x 600 (24 x 24) AND M6-2R 530 x 380 (21 x 15) SHALL BE USED.

THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

REVISED - 10-15-04	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -	REGION 2 / DISTRICT 2 STANDARD				
REVISED -	CONTRACT NO.				
REVISED -	SCALE: 1/8" = 1'-0"	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

## TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) 94.2

SHEET REVIEW	
AGENCY	DATE

REVISIONS			
NO.	ITEM	DATE	

SCALE:	NA
DRAWN BY:	KRL
CHECKED BY:	PDS
DATE:	10/16/09

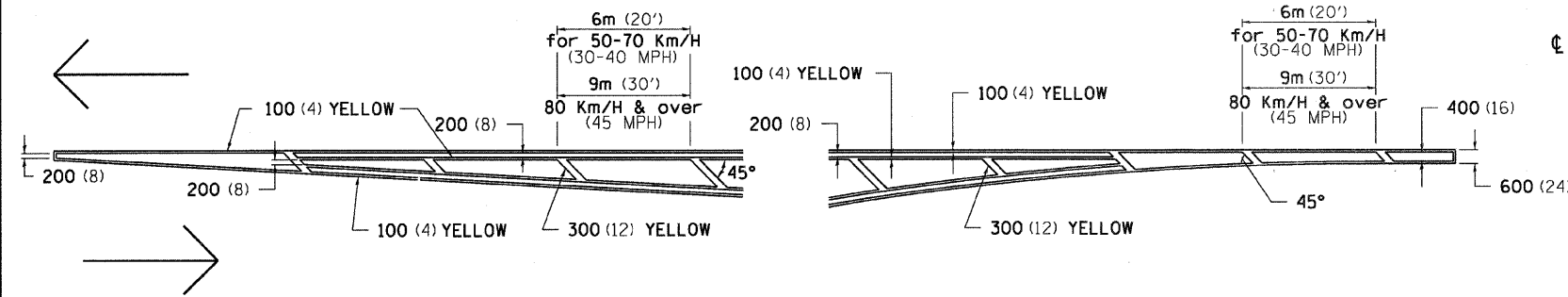
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**IDOT DISTRICT 2 HIGHWAY STANDARDS-3**  
LONGWOOD STREET (SECTION 09-00568-00-RS)  
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JOB: 04-28-09-024

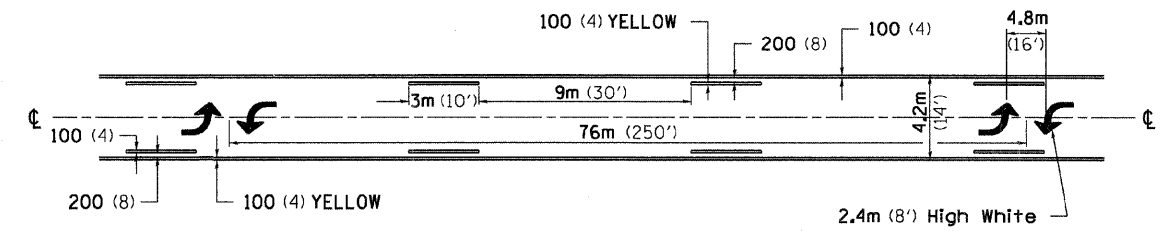


# TYPICAL PAVEMENT MARKINGS

## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

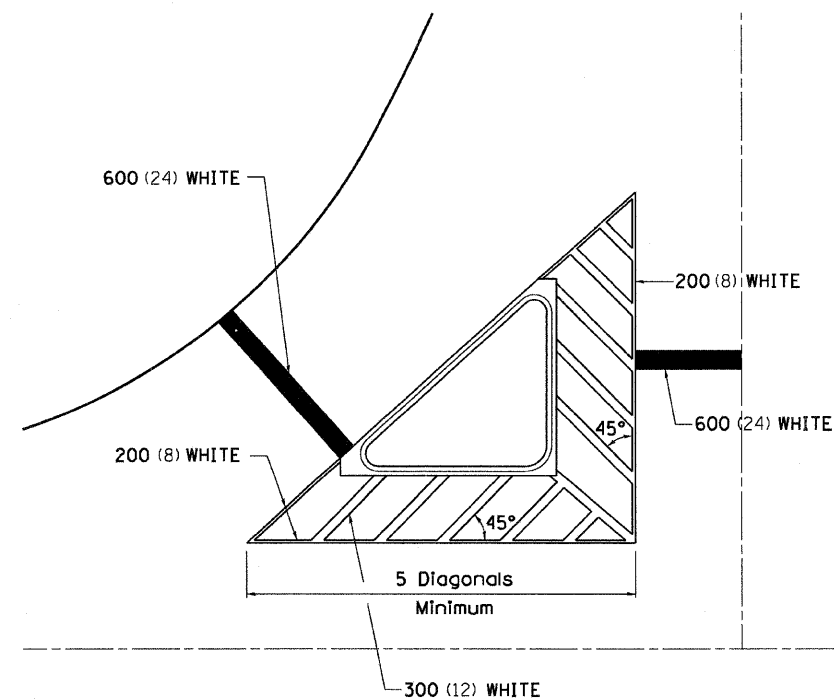


## MEDIAN PAVEMENT MARKING

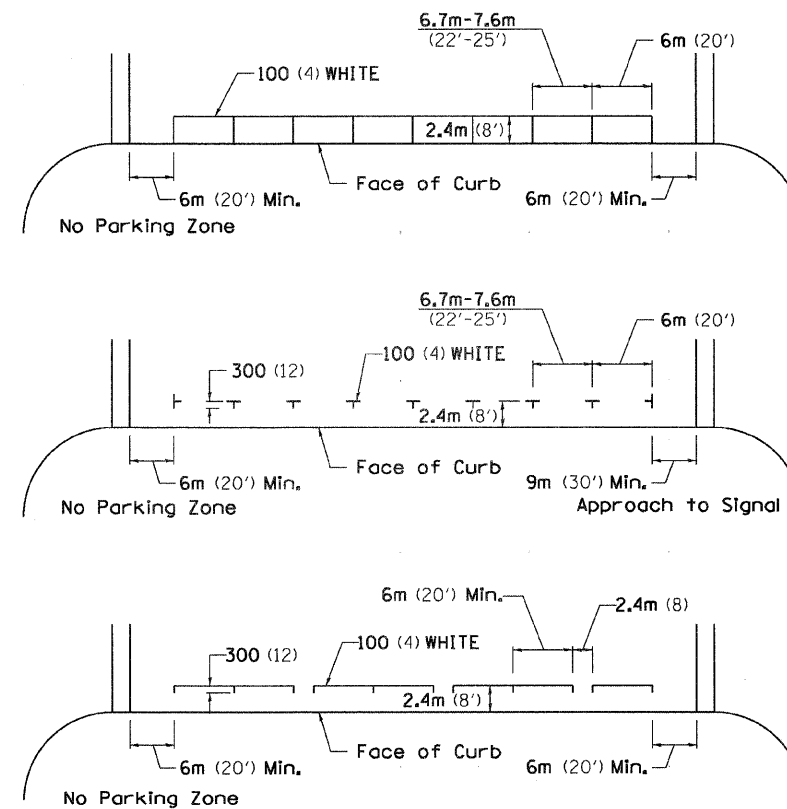


•• ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH

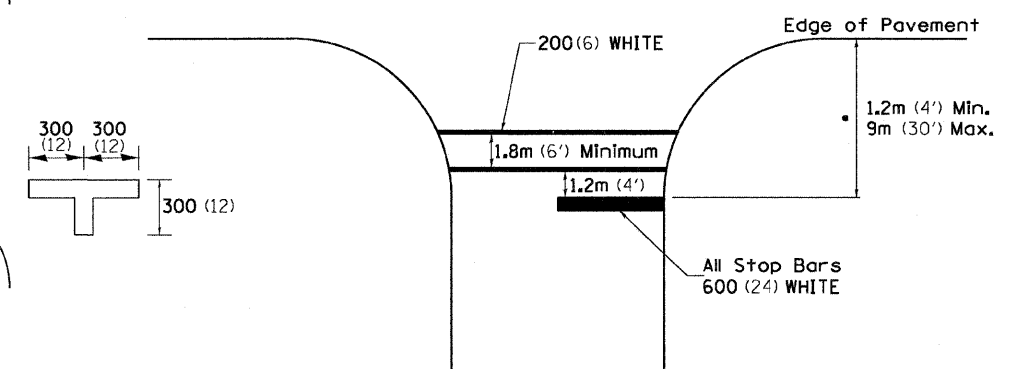


## TYPICAL PARKING SPACING



## STANDARD CROSSWALK MARKING

See Schedules for Locations



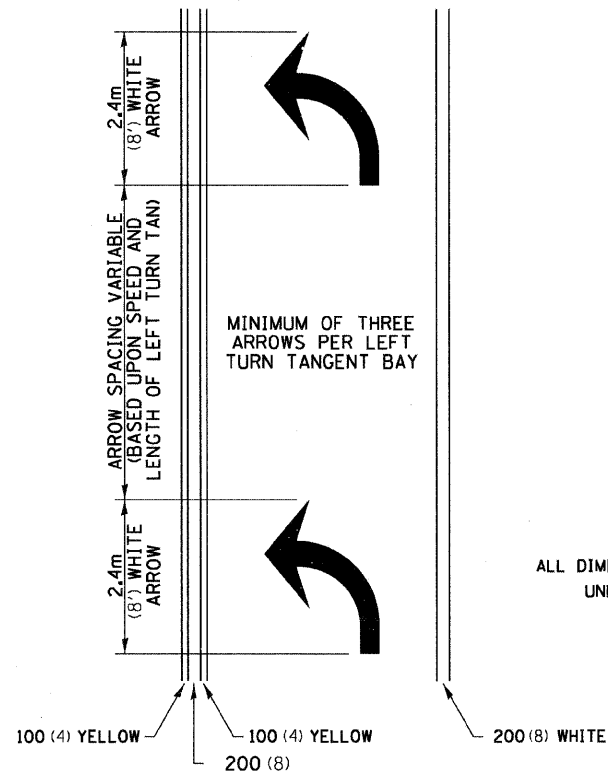
• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED - 10-21-08	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
C:\Documents and Settings\neq11\J\Desktop\025standards.cel		DRAWN -	REVISED -			SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. _____			
PLOT SCALE = 1:0000' / IN.		CHECKED -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						
PLOT DATE = Tue Oct 21 14:39:35 2008		DATE -	REVISED -									

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AGENCY	DATE	NO.	ITEM	DATE		LONGWOOD STREET (SECTION 09-00568-00-RS)	WHITMAN STREET INTERCHANGE	
					DATE: 10/16/09	FILE: H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 DETAILS.DWG		JOB: 04-28-09-024

# TYPICAL PAVEMENT MARKINGS

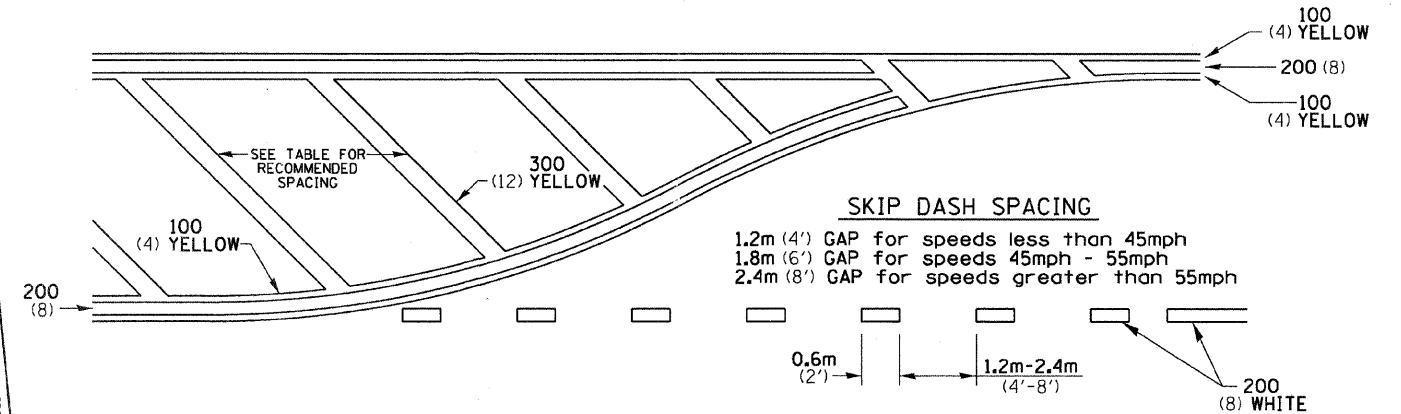
## ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

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

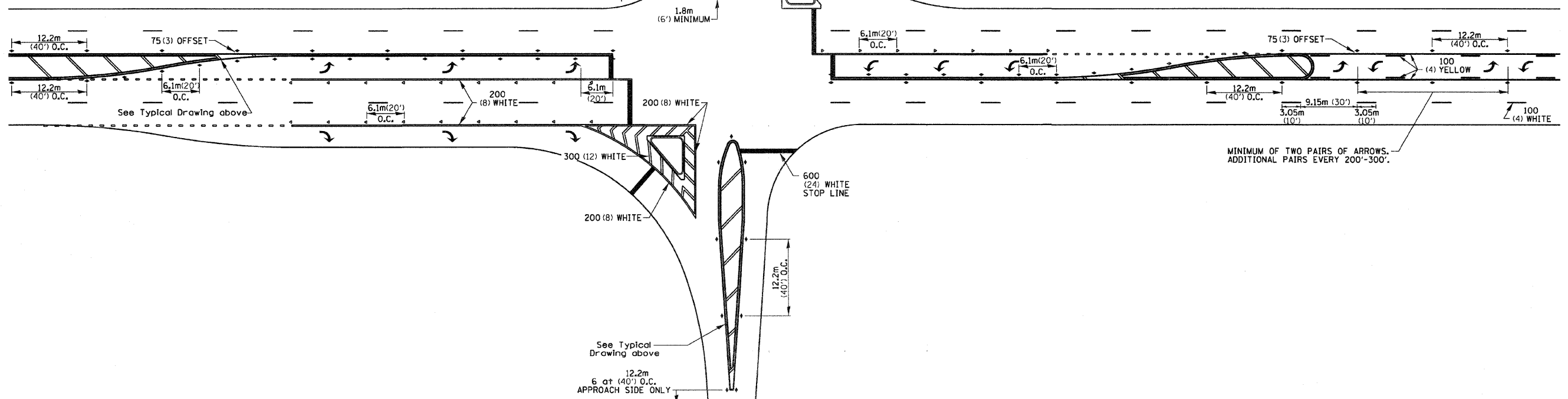
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



## RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

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

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

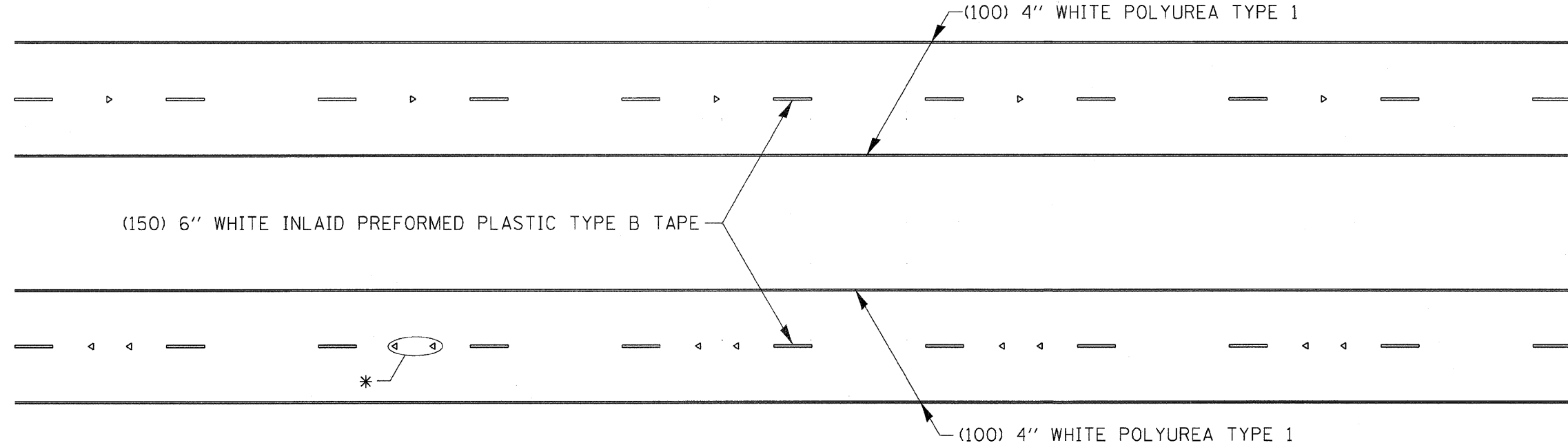


FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED - 10-21-08	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
C:\Documents and Settings\meg11\Deskto	ND25tenders.cel	DRAWN -	REVISED -			SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			
PLOT SCALE = 1:8000' / IN.	CHECKED -	REVISED -	CONTRACT NO. _____									
PLOT DATE = Tue Oct 21 14:36:48 2008	DATE -	REVISED -										

## TYPICAL PAVEMENT MARKINGS SHEET 2 OF 3 41.1

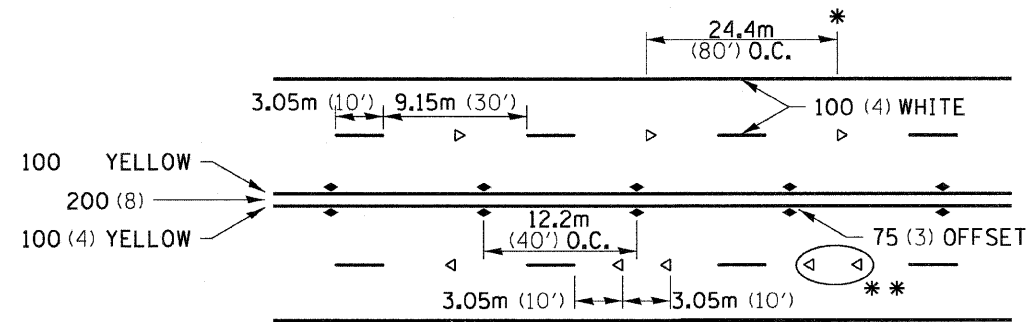
	SHEET REVIEW AGENCY _____ DATE _____	REVISIONS NO. _____ ITEM _____ DATE _____	SCALE: NA DRAWN BY: KRL CHECKED BY: PDS DATE: 10/16/09	 7282 Argus Drive (815) 398-2332 Rockford, Illinois 61107-5837 FAX (815) 398-2496 Design Firm License: Illinois 184-000916 Copyright 2009 By McClure Engineering Associates, Inc.	<b>IDOT DISTRICT 2 HIGHWAY STANDARDS-5</b> LONGWOOD STREET (SECTION 09-00568-00-RS) WHITMAN STREET INTERCHANGE ROCKFORD, ILLINOIS FILE: H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 DETAILS.DWG JOB: 04-28-09-024	SHEET NO. <b>18</b> OF <b>23</b>
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# TYPICAL PAVEMENT MARKINGS



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

## MULTI-LANE / DIVIDED

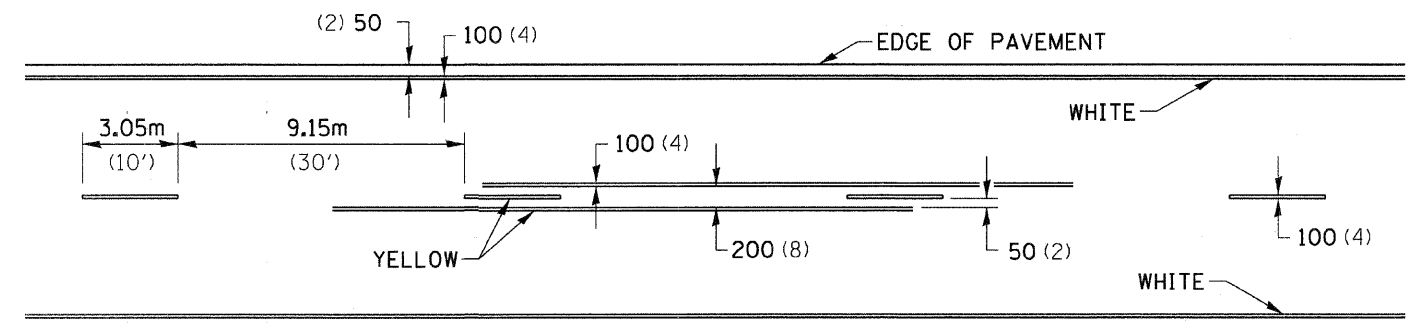


### SYMBOLS

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

## MULTI-LANE / UNDIVIDED

## TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



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PLOT SCALE = 1:8000' / IN.		CHECKED -	REVISED -			FED. ROAD DIST. NO. _____ [ILLINOIS] FED. AID PROJECT						
PLOT DATE = Tue Oct 21 14:37:09 2008		DATE -	REVISED -									

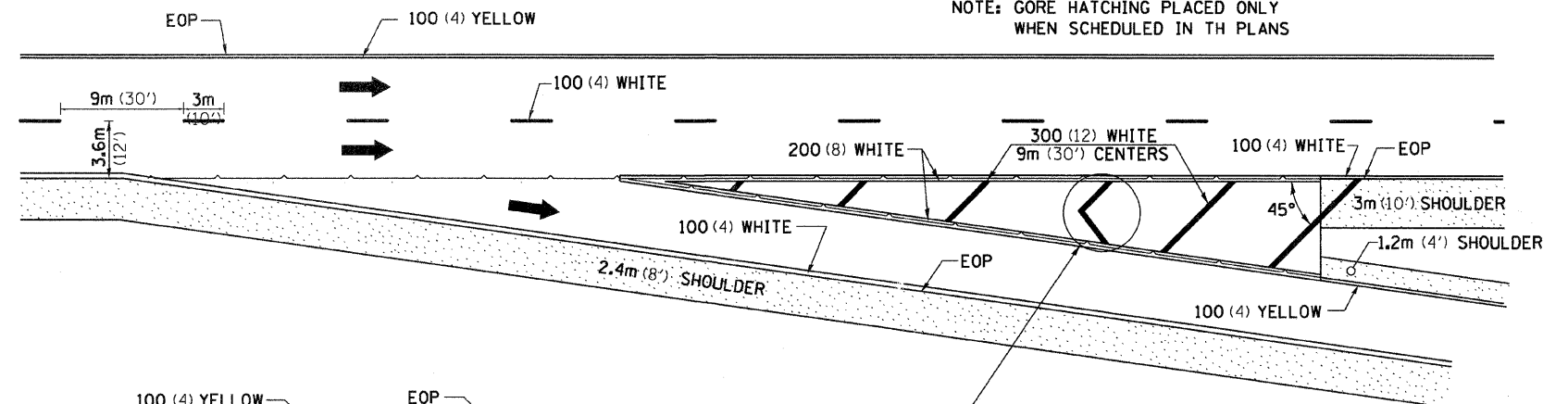
**TYPICAL PAVEMENT MARKINGS SHEET 3 OF 3 41.1**

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AGENCY	DATE	NO.	ITEM	DATE		LONGWOOD STREET (SECTION 09-00568-00-RS)				
						WHITMAN STREET INTERCHANGE				
						ROCKFORD, ILLINOIS				
						FILE: H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 DETAILS.DWG				JOB: 04-28-09-024

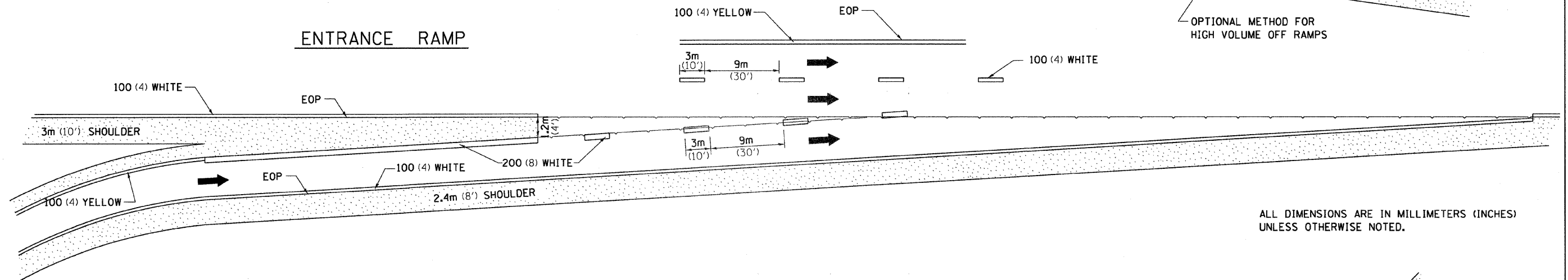
# PAINING DETAILS

## EXIT RAMP

NOTE: GORE HATCHING PLACED ONLY WHEN SCHEDULED IN TH PLANS

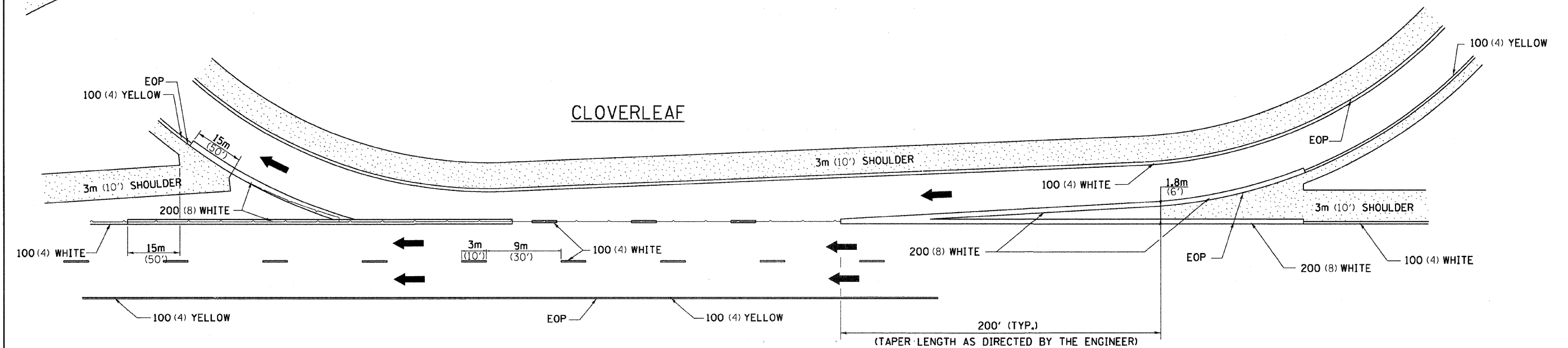


## ENTRANCE RAMP



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

## CLOVERLEAF



FILE NAME = District 2 Standard	USER NAME = IDOT/District 2	DESIGNED - DRAWN -	REVISED - 5-27-09 REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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PAINING DETAILS 44.1

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

SCALE:	NA
DRAWN BY:	KRL
CHECKED BY:	PDS
DATE:	10/16/09

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**IDOT DISTRICT 2 HIGHWAY STANDARDS-7**  
LONGWOOD STREET (SECTION 09-00568-00-RS)  
WHITMAN STREET INTERCHANGE  
ROCKFORD, ILLINOIS  
FILE: H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 DETAILS.DWG  
JOB: 04-28-09-024

SHEET NO.  
20  
OF  
23

# CATCH BASIN OR INLETS TO BE ADJUSTED OR RECONSTRUCTED (DETAILS FOR CURB & GUTTER REPLACEMENT)

CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, STANDARD 606001 AND THIS DRAWING.

CLASS S1 CONCRETE SHALL BE USED THROUGHOUT. A HOLE 40 (1 1/2) IN DIAMETER AND 225 (9) DEEP SHALL BE DRILLED IN THE EXISTING CONCRETE CURB AS SHOWN. A 32x450 (1 1/4 x 18) SMOOTH DOWEL BAR SHALL BE GROUTED IN THE HOLE LONGITUDINALLY.

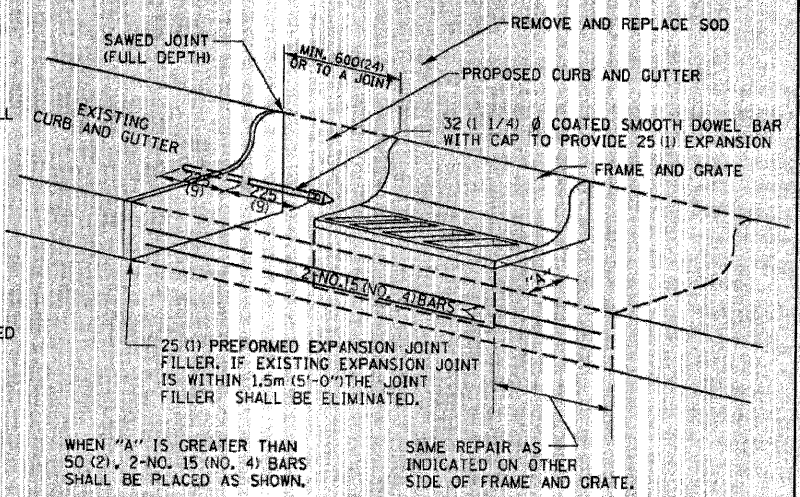
JOINTS OF A TYPE SIMILAR TO THAT IN THE UNDERLYING PAVEMENT (EXPANSION OR CONTRACTION) SHALL BE INSTALLED IN THE CONCRETE CURB IN ALIGNMENT WITH THE JOINTS IN THE PAVEMENT.

THE PROPOSED CONFIGURATION OF THE CURB AND GUTTER SHALL MATCH THAT REMOVED.

THE LOCATION OF THE DOWEL BAR SHALL BE DETERMINED BY THE ENGINEER.

ALL EXISTING TIE BARS IN EDGE OF PAVEMENT SLAB THRU REPLACEMENT AREA SHALL BE CUT OFF.

THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS AND INCLUDES THE REMOVAL AND REPLACEMENT OF SOD, CONCRETE PAVEMENT AND/OR CURB AND GUTTER ADJACENT TO CATCH BASINS OR INLETS TO BE ADJUSTED OR RECONSTRUCTED AND SHALL BE INCLUDED IN THE PAY ITEM OF CATCH BASINS OR INLETS TO BE ADJUSTED OR RECONSTRUCTED AS SPECIFIED.

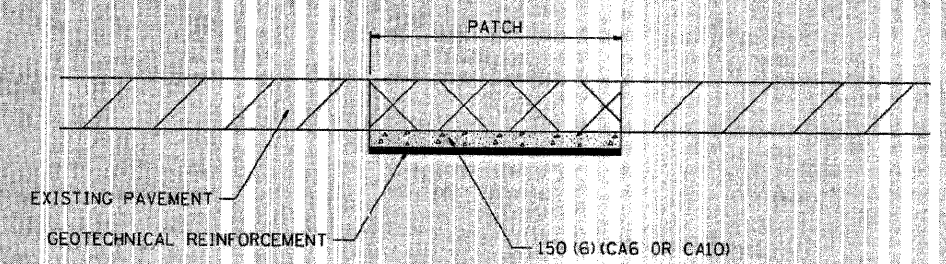


ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 5-4-94	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -						
REVISED -		CONTRACT NO.				
REVISED -		SCALE: 1:0000 1" = 10'	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

**CATCH BASIN OR INLETS TO BE ADJUSTED OR RECONSTRUCTED 17.4a**

# SUBGRADE REPLACEMENT



**NOTES:**  
 THE CA 6 OR CA 10 SHALL BE COMPACTED IN A MANNER APPROVED BY THE ENGINEER. IF THE MOISTURE CONTENT OF THE MATERIAL IS SUCH THAT COMPACTION SATISFACTORY TO THE ENGINEER CANNOT BE OBTAINED, SUFFICIENT WATER SHALL BE ADDED SO THAT SATISFACTORY COMPACTION CAN BE OBTAINED.  
 THE CA 6 OR CA 10 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU YD FOR GRANULAR SUBGRADE REPLACEMENT  
 THE GEOTECHNICAL REINFORCEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ YD FOR GEOTECHNICAL REINFORCEMENT  
 ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - L-09-09	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -						
REVISED -		CONTRACT NO.				
REVISED -		SCALE: 1:0000 1" = 10'	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

**SUBGRADE REPLACEMENT 97.4**

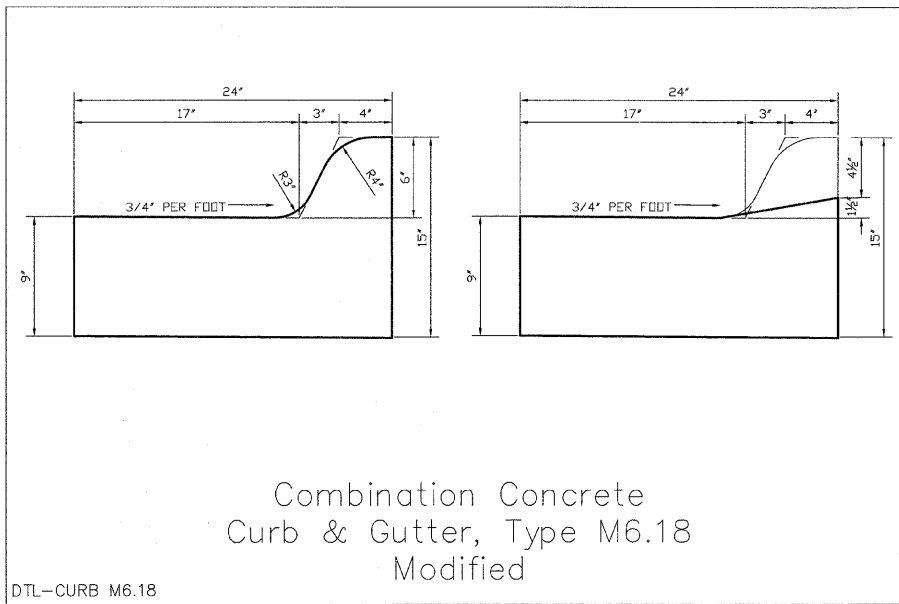
SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

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**IDOT DISTRICT 2 HIGHWAY STANDARDS-8**  
 LONGWOOD STREET (SECTION 09-00568-00-RS)  
 WHITMAN STREET INTERCHANGE ROCKFORD, ILLINOIS  
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 JOB: 04-28-09-024



Combination Concrete  
Curb & Gutter, Type M6.18  
Modified

DTL-CURB M6.18

**GENERAL NOTES**

**DEPRESSED CURBS** - The top of curbs shall be depressed where the curb and gutter is constructed across alleys and for private drives or where directed by Engineer.

**THICKNESS** - "t" = Thickness of pavement.

**DRAINAGE OPENINGS** - At all location where castings are to be incorporated in the curb and gutter, a 1" expansion joint shall be installed in the curb and gutter a distance of 5 ft. from each side of the casting. At least 2 tie bar shall be placed in the 5 ft. portion and the bars shall be at least 9" from the joint or casting. Any extra bars required shall be considered incidental. When the width of the casting is less than the width of the curb and gutter 2-No. 4 re-bar (L = 12" + casting length + 12") shall be incorporated in the continuous portion of concrete gutter in front of the casting.

**TIE BARS** - Tie bars shall be in accordance with details for Bulkhead Longitudinal Construction joint shown of Standard 420001-07. When curb and gutter is constructed adjacent to flexible pavement tie bar shall be omitted.

**JOINTS** - In addition to the requirements of Article 606.07 of the Standard Specification joints shall be constructed as follows:  
Contraction joint and expansion joints shall be installed in the curb and gutter in prolongation with joints in adjacent PCC pavement or base course except that dowel bars will not be required in contraction joints. Contraction joints when sawed or template formed shall be sealed in accordance with Article 420.12 of the Standard Specifications.

When curb and gutter is constructed adjacent to flexible pavement, a 1" expansion joint shall be installed at points of curvature for short-radius curves and at construction joints. Contraction joints shall be placed between expansion joints at distances not to exceed 25 ft

All expansion joints shall be constructed with a minimum 1" thick preformed expansion joint filler conforming to the cross section of the curb and gutter and shall be provided with a 1-1/4" diameter x 18" coated smooth dowel bar conforming to Article 1006.11(b) of the Standard Specifications. The greased end of the dowel bar shall be fitted with a cap having a pinched stop that will provide a minimum 1" of expansion.

Construction joints constructed in curb and gutter adjacent to PCC pavement and PCC base course shall be provided with No. 4 deformed steel tie bars 30" long. Tie bars shall be placed on 9" + centers (minimum 2 per joint).

**TRANSITIONS** - The transition from full height curb to depressed curb shall be made at the rate of 3" per foot of length or flatter.

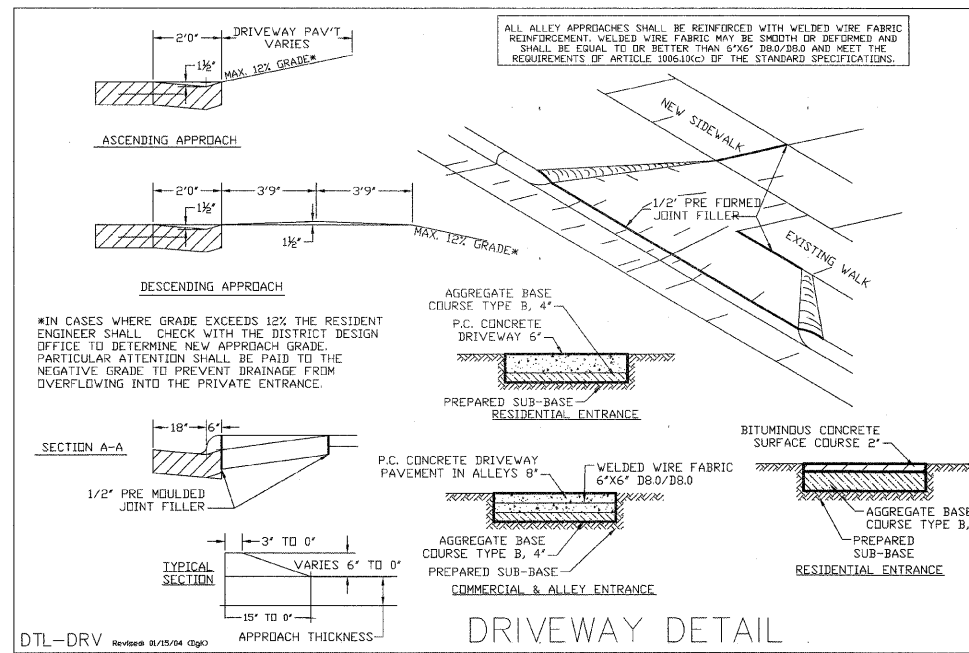
**ADJACENT PCC PAVEMENT** - Adjacent PCC pavement or base course less than 1" in width shall be constructed monolithic with the curb and gutter. This area of pavement will be included in the measured area of the adjacent pavement.

**MONOLITHIC CONSTRUCTION** - Curb and combination curb and gutter may be constructed monolithically with PCC pavement at the option of the Contractor. Tie bar will not be required. Pavement reinforcement shall be extended laterally to within 3" to 5" from the back of the curb.

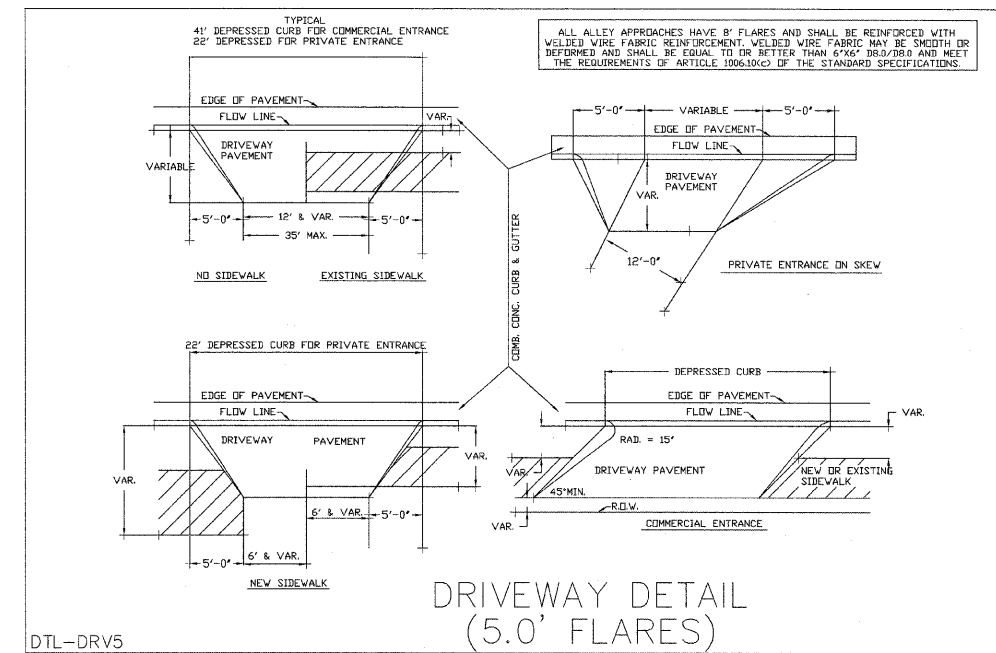
Curbs and combination curb and gutter may be constructed monolithically with PCC base course. Tie bar will be required. Tie bars shall be held in the proper location by support pins or approved mechanical means.

Longitudinal joints between the PCC pavement or PCC base course and curb or combination curb and gutter will not be required.

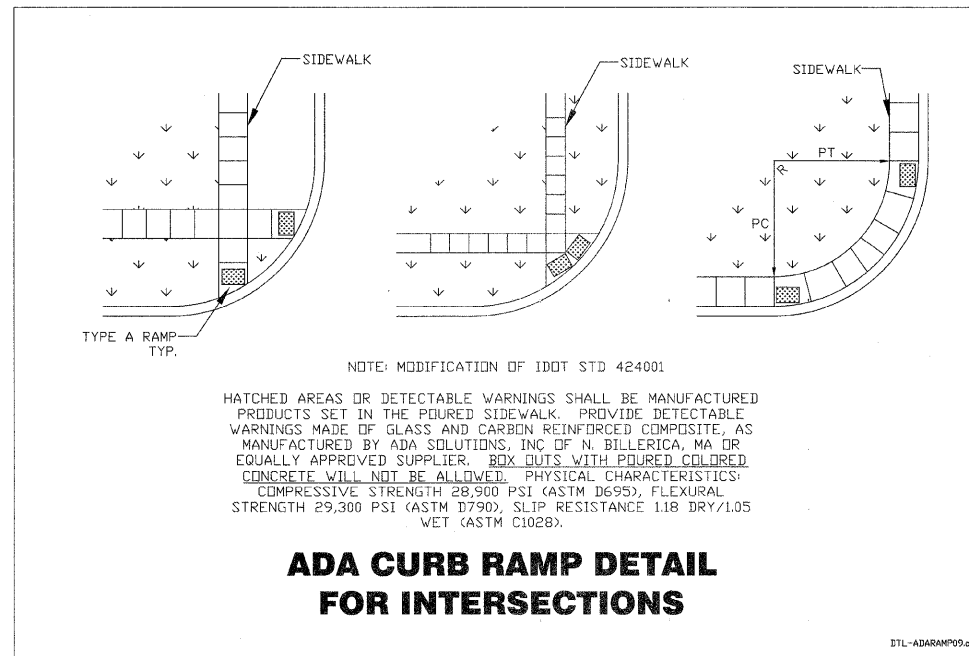
**SLIPFORM CONSTRUCTION** - Vertical faces may be battered at the rate of 3/4" per foot of height to aid in slipform operations.



DTL-DRV Revised 01/15/04 (gjo)

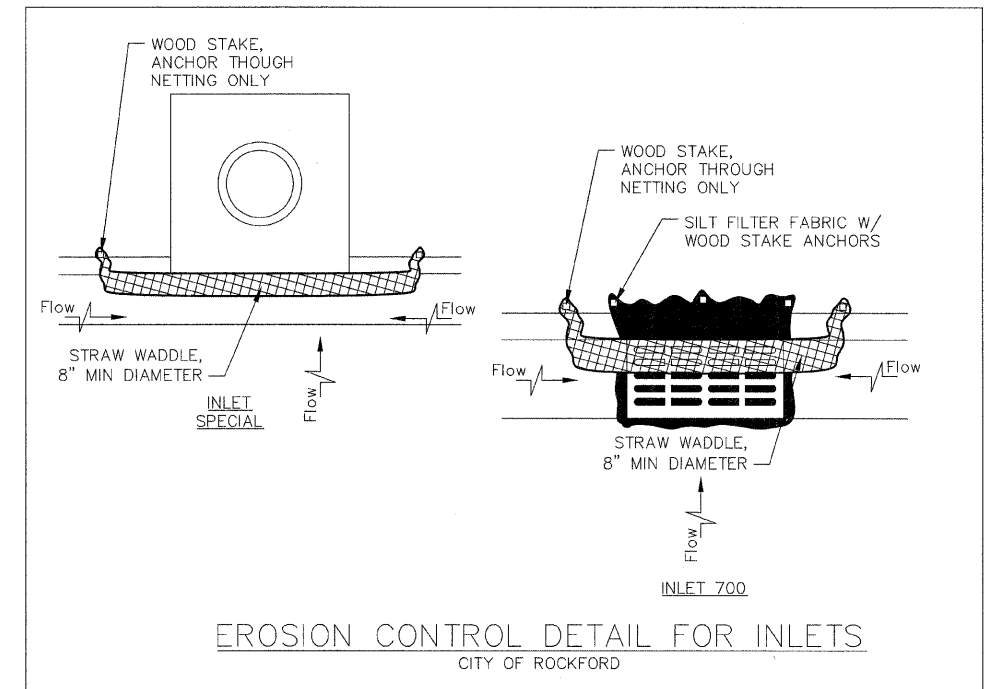


DTL-DRV5



**ADA CURB RAMP DETAIL  
FOR INTERSECTIONS**

DTL-ADARAMP09.dwg



**EROSION CONTROL DETAIL FOR INLETS**  
CITY OF ROCKFORD

SHEET REVIEW	
AGENCY	DATE

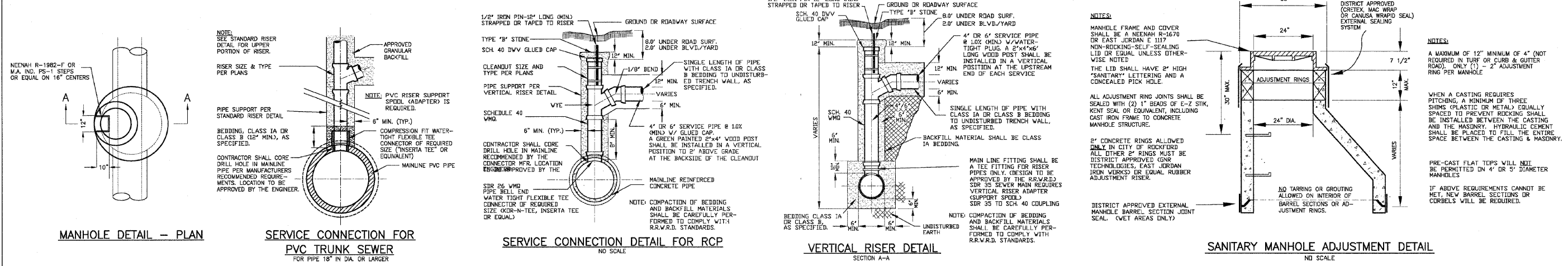
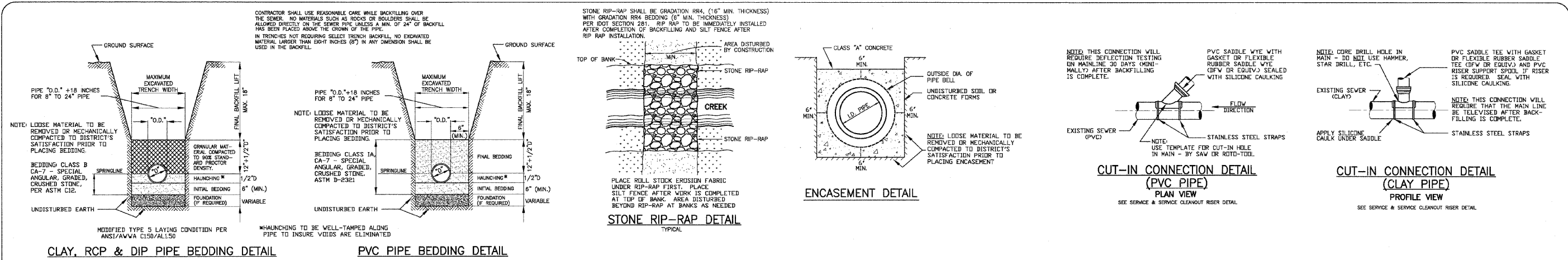
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DATE:	10/16/09

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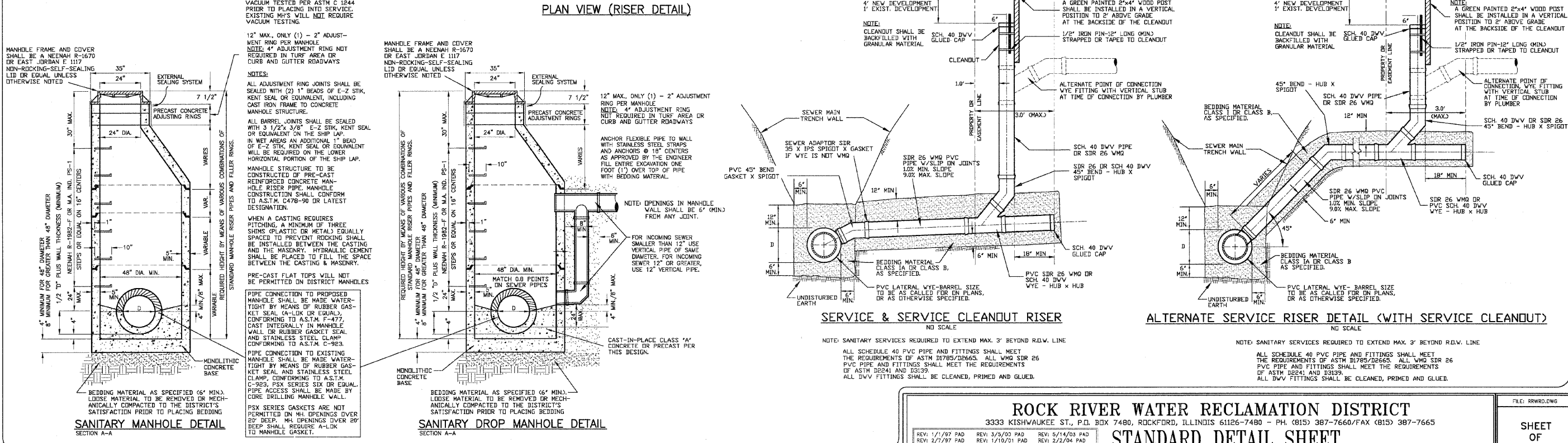
CITY OF ROCKFORD STANDARD DETAILS	
LONGWOOD STREET (SECTION 09-00568-00-RS)	
WHITMAN STREET INTERCHANGE	ROCKFORD, ILLINOIS
FILE:H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 DETAILS.DWG	
JOB: 04-28-09-024	

SHEET NO.	22
OF	23



PIPE SIZE	MIN. DIAMETER	MIN. WALL THICKNESS
8" - 18"	1/4"	3/8"
24" - 36"	5/8"	1 1/8"

(OR AS DIRECTED BY THE DISTRICT)



**ROCK RIVER WATER RECLAMATION DISTRICT**  
 3333 KISHWAUKEE ST., P.O. BOX 7480, ROCKFORD, ILLINOIS 61126-7480 - PH. (815) 387-7660/FAX (815) 387-7665

**STANDARD DETAIL SHEET**

FILE: RRWRD.DWG  
SHEET OF

SHEET REVIEW		REVISIONS		SCALE:	McClure Engineering Associates, Inc. 7282 Argus Drive Rockford, Illinois 61107-5837 (815) 393-2331 FAX (815) 393-2498 Design Firm License: Illinois 184-000816 Copyright 2009 By McClure Engineering Associates, Inc.	RRWRD DETAILS		SHEET NO. 23 OF 23
AGENCY	DATE	NO.	ITEM	DATE		LONGWOOD STREET (SECTION 09-00568-00-RS)	WHITMAN STREET INTERCHANGE	
					NA			
					KRL			
					PDS			
				10/16/09			FILE:H:\09-024 WHITMAN INTERCHANGE\DESIGN\DRAWINGS\09-024 DETAILS.DWG	JOB:04-28-09-024