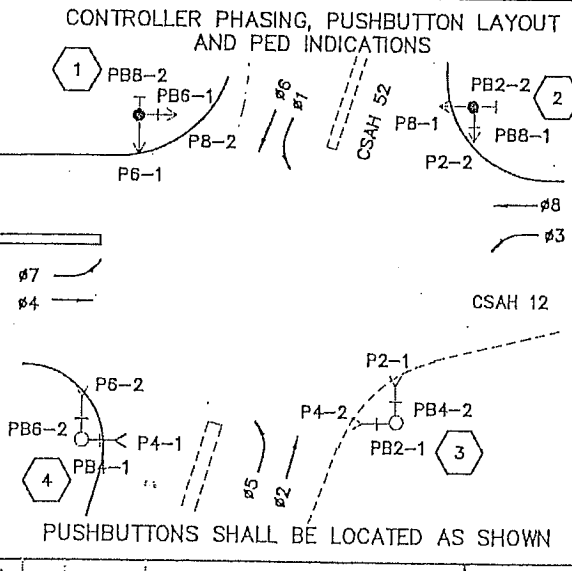
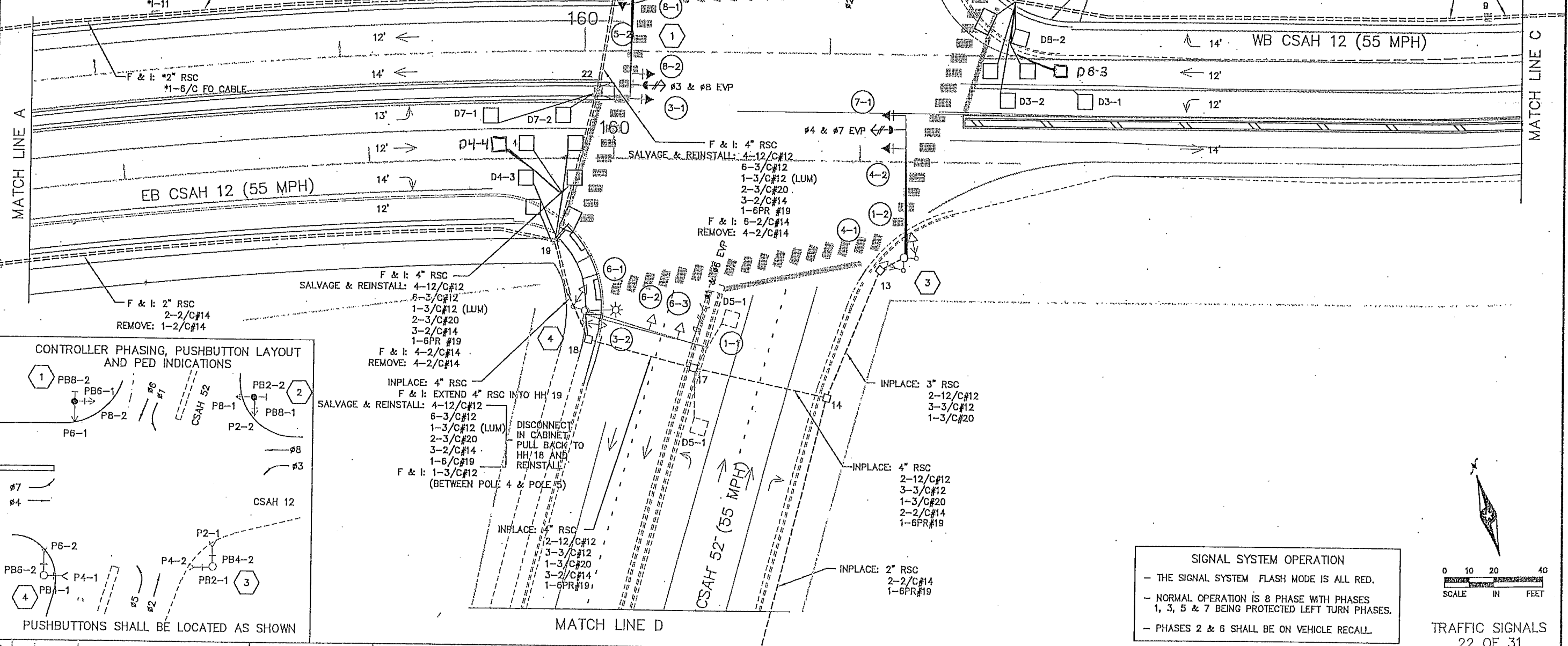


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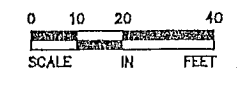
| NMC LOOP DETECTORS | | | | | | |
|--|---------|------------|-------|--------------------|----------|-----------|
| INSTALLATION METHOD (SEE DETAIL SHEET 138) | STATUS | NUMBER | PHASE | SIZE (ft) | FUNCTION | LOCATION |
| NMC - MILL | INPLACE | D1-1 | 1 | 6' x 6' | 1 | AS SHOWN |
| NMC - MILL | F & I | D1-2 | 1 | 6' x 6' | 1 | 10' |
| NMC - MILL | INPLACE | D2-1, D2-2 | 2 | 6' x 6' | 1 | AS SHOWN |
| NMC - MILL | F & I | D3-1 | 3 | 6' x 6' | 1 | 40' |
| NMC - MILL | F & I | D3-2 | 3 | 6' x 6' | 1 | 10' |
| NMC - NEW BIT. | F & I | D4-1, D4-2 | 4 | 6' x 6' | 3, 8 | 475' |
| NMC - NEW BIT. | F & I | D4-3 | 4 | 1-6'x6' & 1-6'x10' | 7 | -5' & 10' |
| NMC - NEW BIT. | F & I | D4-4 | 4 | 2-6' x 6' | 1 | 0' & 15' |
| NMC - NEW BIT. | INPLACE | D5-1 | 5 | 2-6' x 6' | 1 | AS SHOWN |
| NMC - NEW BIT. | INPLACE | D6-1, D6-2 | 6 | 6' x 6' | 1 | AS SHOWN |
| NMC - NEW BIT. | F & I | D7-1 | 7 | 6' x 6' | 1 | 40' |
| NMC - NEW BIT. | F & I | D7-2 | 7 | 6' x 6' | 1 | 10' |
| NMC - NEW BIT. | INPLACE | D8-1 | 8 | 6' x 6' | 3, 8 | AS SHOWN |
| NMC - NEW BIT. | F & I | D8-2 | 8 | 1-6'x6' & 1-6'x10' | 7 | -5' & 10' |
| NMC - MILL | F & I | D8-3 | 8 | 2-6' x 6' | 1 | 0' & 15' |

NOTE: LOCATION = DISTANCE FROM STOP BAR TO FRONT OF LOOP DETECTOR.
 DETECTOR FUNCTION NOTES:
 1 - CALL AND EXTEND
 3 - EXTEND ONLY
 5 - DELAY CALL ONLY
 7 - DELAY CALL & IMMEDIATE EXTEND
 8 - STRETCH

| SIGNAL FACES | | | | |
|---------------------|---------------|---|---|---|
| STATUS | FACE | R | Y | G |
| INPLACE | 1-1 | ◀ | ◀ | ◀ |
| INPLACE | 1-2 | ◀ | ◀ | ◀ |
| SALVAGE & REINSTALL | 2-1, 2-2, 2-3 | ◀ | ◀ | ◀ |
| SALVAGE & REINSTALL | 3-1 | ◀ | ◀ | ◀ |
| INPLACE | 3-2 | ◀ | ◀ | ◀ |
| INPLACE | 4-1 | ◀ | ◀ | ◀ |
| SALVAGE & REINSTALL | 4-2 | ◀ | ◀ | ◀ |
| SALVAGE & REINSTALL | 5-1, 5-2 | ◀ | ◀ | ◀ |
| INPLACE | 6-1, 6-2, 6-3 | ◀ | ◀ | ◀ |
| SALVAGE & REINSTALL | 7-1, 7-2 | ◀ | ◀ | ◀ |
| SALVAGE & REINSTALL | 8-1, 8-2 | ◀ | ◀ | ◀ |



SIGNAL SYSTEM OPERATION
 - THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
 - NORMAL OPERATION IS 8 PHASE WITH PHASES 1, 3, 5 & 7 BEING PROTECTED LEFT TURN PHASES.
 - PHASES 2 & 6 SHALL BE ON VEHICLE RECALL.



TRAFFIC SIGNALS
22 OF 31

DT DATE: AUG 18, 2005 12:00pm DISK FILE NAME: (06.1) R:\31809791\PLAN-SHT\T503.dwg

| REV. | BY | DATE | REVISION/DESCRIPTION |
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| | | | |

URS
 ALLIANT ENGINEERING INCORPORATED
 233 PARK AVENUE SOUTH
 SUITE 200
 MINNEAPOLIS, MN 55415

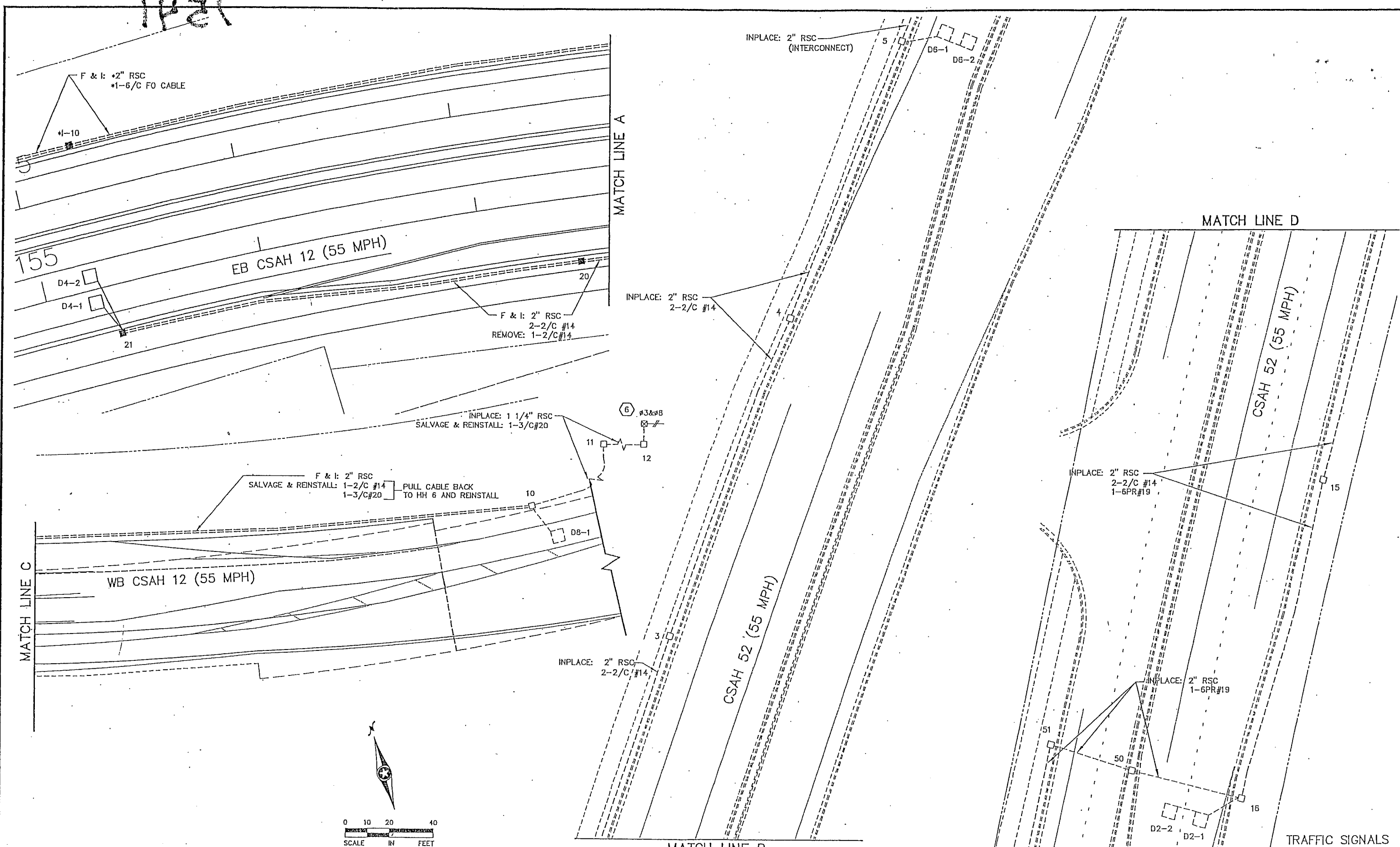
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A duly LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

ANOKA COUNTY HIGHWAY DEPT.

CSAH 12 RECONSTRUCTION
 REVISE SIGNAL SYSTEM C
 INTERSECTION LAYOUT (1 OF 3)

| | |
|------------------|-----|
| S.P. 02-612-11 | 157 |
| S.P. 108-020-025 | |
| S.P. | |

1427



12:00pm DISK FILE NAME: (16:1) R:\31809791\PLAN-SHT\J508.dwg

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|---------------------------|--------------------|-------------------|
| DESIGN FILE: 31809-791 | DRAWN BY: JAS | DESIGN BY: MRA |
| CHCKED BY: RJG | DWG. NAME: TS08 | DATE: |

URS
Truckee, CA 95901
 700 Truckee Street, Suite 200
 Truckee, CA 95901
 530.575.0700 FAX 530.575.0778

ALLIANT ENGINEERING
1300 97th St SE
 313 PARK AVENUE SOUTH
 SUITE 200
 LINDSEY, MN 55413

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Michael R. Anderson
 MICHAEL R. ANDERSON

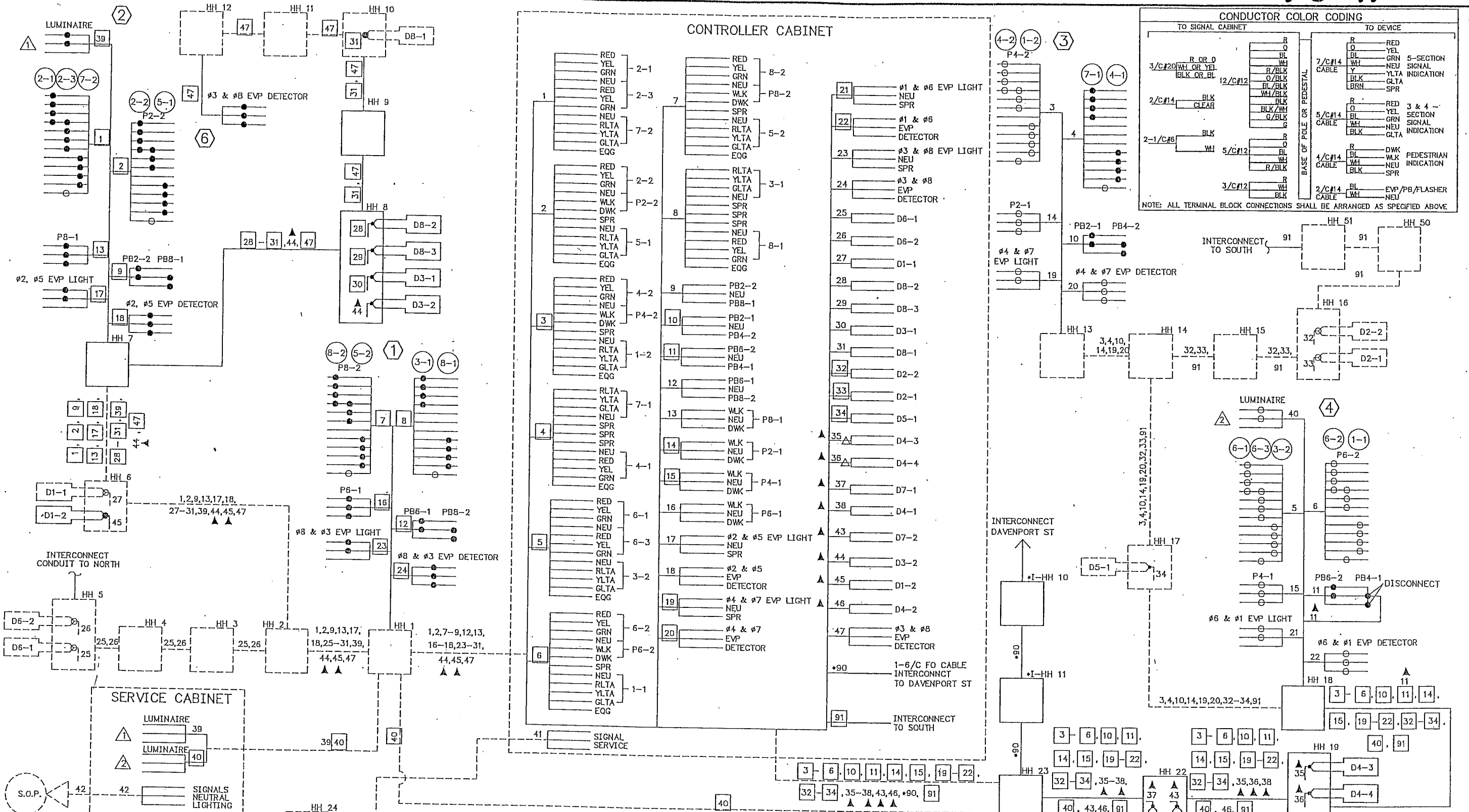
ANOKA COUNTY
HIGHWAY DEPT.

CSAH 12 RECONSTRUCTION
 REVISE SIGNAL SYSTEM C
 INTERSECTION LAYOUT (2 OF 3)

| | |
|------------------|-----------|
| S.P. 02-612-11 | SHEET NO. |
| S.P. 106-020-025 | 158 |
| S.P. | 213 |

TRAFFIC SIGNALS
23 OF 31

7541



NOTE: ALL CABLES SHALL BE USED INPLACE AND REMAIN INPLACE UNLESS NOTED

▲ FURNISH AND INSTALL CABLE AND CONNECTION.

△ RELIABLE CONNECTION IN CABINET

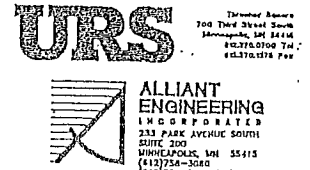
□ DISCONNECT CABLE AND PULL BACK AS SHOWN. ONCE CONSTRUCTION IS COMPLETED, CABLES SHALL BE REINSTALLED AND CONNECTED.

* DENOTES INTERCONNECT PAY ITEM.

PLOT DATE: AUG 18, 2005 12:00pm DISK FILE NAME: (16.1) R:\31809791\PLAN-SHT\TS09.dwg

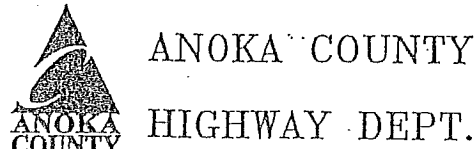
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|---------------------------|--------------------|
| DESIGN FILE: 31809-791 | DESIGN BY: MRA |
| DRAWN BY: JAS | CHECKED BY: RJK |
| DATE: AUG. 18, 2005 | DWG. NAME: TS09 |



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Michael R. Anderson
MICHAEL R. ANDERSON
DATE: 11/23/05 MN LIC NO. 42828



CSAH 12 RECONSTRUCTION
REVISE SIGNAL SYSTEM C
WIRING DIAGRAM
CSAH 12 (109TH AVE) AND CSAH 52 (RADISSON RD.)

S.P. 02-612-11
S.P. 106-020-025
S.P.
SHEET NO. 160
213

TRAFFIC SIGNALS
25 OF 31

1425

- 1 REMOVE: PA100 POLE FOUNDATION
SALVAGE: 2-PEDESTRIAN PUSH BUTTONS
SALVAGE & REINSTALL: TYPE PA100-A-45
2-ONE WAY SIGNALS-OVERHEAD (0, 9' FROM END OF MAST ARM)
2-TYPE 10B-POLE MOUNTED 90° AND 180°
1-TYPE D SIGN PANEL OVERHEAD (D-6)
1-ONE WAY EVP DETECTOR AND INDICATOR LIGHT OVERHEAD (#8 & #3)
F & I: PA100 POLE FOUNDATION (WB CSAH 12 STA. 160+20.7, 27.5'LT.)
1-TYPE R6-1L (ONE WAY) POLE MOUNTED
1-TYPE R6-1R (ONE WAY) POLE MOUNTED
2-PEDESTRIAN PUSH BUTTONS
EXTEND INTO HH 1:
F & I: 3" RSC
SALVAGE & REINSTALL: 2-12/C#12 } PULL CABLE
3-3/C#12 } BACK TO HH 1
1-3/C#20 } & REINSTALL
- 2 REMOVE: PA100 POLE FOUNDATION
SALVAGE: 2-PEDESTRIAN PUSH BUTTONS
SALVAGE & REINSTALL: TYPE PA100-A-55-D30-9 (DAVIT AT 350')
LUMINAIRE-200 WATT H.P.S. WITH PEC AND CHECK SWITCH
3-ONE WAY SIGNALS-OVERHEAD (0, 11' AND 23' FROM LEFT END OF MAST ARM)
2-TYPE 10B-POLE MOUNTED 90° AND 180°
1-TYPE R6-1L (ONE WAY) POLE MOUNTED
1-TYPE R6-1R (ONE WAY) POLE MOUNTED
1-TYPE D SIGN PANEL OVERHEAD (D-5)
1-ONE WAY EVP DETECTOR AND INDICATOR LIGHT OVERHEAD (#2 & #5)
F & I: PA100 POLE FOUNDATION (WB CSAH 12 STA. 161+63.9, 40.9'LT.)
2-PEDESTRIAN PUSH BUTTONS
EXTEND INTO HH 7:
F & I: 3" RSC
SALVAGE & REINSTALL: 2-12/C#12 } PULL CABLE
3-3/C#12 } BACK TO HH 6
1-3/C#12 (LUM) } & REINSTALL
1-3/C#20 }
- 3 INPLACE: PA100 POLE FOUNDATION
TYPE PA100 (POLE SHAFT & TRANSFORMER BASE)
SALVAGE: 2-TYPE 10B-POLE MOUNTED 90° AND 180°
1-TYPE A50 MAST ARM
2-PEDESTRIAN PUSH BUTTONS
SALVAGE & REINSTALL: 2-ONE WAY SIGNALS OVERHEAD
1-TYPE D SIGN PANEL OVERHEAD (D-6)
1-ONE WAY EVP DETECTOR AND INDICATOR LIGHT OVERHEAD (#4 & #7)
F & I: 1-TYPE A-55 MAST ARM WITH OVERHEADS
AT 0' & 11' FROM END OF MAST ARM
1-WELD OVERHEAD MID MOUNT AND PLUG
AT 23' FROM END OF MASTARM (FUTURE SIGNAL OVERHEAD)
2-PEDESTRIAN PUSH BUTTONS
EXTEND INTO HH 13
INPLACE: 3" RSC
SALVAGE & REINSTALL: 2-12/C#12
3-3/C#12
1-3/C#20
- 4 INPLACE: PA100 POLE FOUNDATION
TYPE PA100-A-50-D40-9 (DAVIT AT 350')
LUMINAIRE-200 WATT H.P.S. WITH PEC AND CHECK SWITCH
3-ONE WAY SIGNALS-OVERHEAD (0, 11' AND 23' FROM END OF MAST ARM)
2-TYPE 10B-POLE MOUNTED 90° AND 180°
1-PEDESTRIAN PUSH BUTTON AND SIGN
1-TYPE R6-1L (ONE WAY) POLE MOUNTED
1-TYPE R6-1R (ONE WAY) POLE MOUNTED
1-TYPE "D" SIGN PANEL OVERHEAD (D-5)
1-ONE WAY EVP DETECTOR AND INDICATOR LIGHT OVERHEAD (#6 & #1)
SALVAGE: 2-PEDESTRIAN PUSH BUTTONS
F & I: 2-PEDESTRIAN PUSH BUTTONS
EXTEND INTO HH 18
INPLACE: 3" RSC
SALVAGE & REINSTALL: 2-12/C#12
3-3/C#12
1-3/C#12 (LUM)
1-3/C#20
F & I: 1-3/C#12 (TO POLE 5)
- 5 F & I: PEDESTRIAN PUSH BUTTON STATION FOUNDATION
(EB CSAH 12 STA. 159+86.2, 43'RT.)
PEDESTRIAN PUSH BUTTON STATION (MNDOT STD. PLATE 8115)
1-PEDESTRIAN PUSH BUTTON
F & I: EXTEND INTO HH 19
1 1/4" RSC
1-3/C#12 (TO POLE 4)
- 6 INPLACE: PEDESTAL FOUNDATION
PEDESTAL POLE AND BASE
1-ONE WAY EVP DETECTOR (#3 & #8)
INPLACE: 2" RSC TO HH 12
SALVAGE & REINSTALL: 1-3/C#20 } PULL CABLE BACK TO
HH 6 AND REINSTALL
- A INPLACE: EQUIPMENT PAD FOUNDATION
CONTROLLER CABINET AND CONTROLLER
INPLACE: METERED SIGNAL SERVICE
1 1/4" RSC TO HH 24:
3-1/C#6
INPLACE: 4" RSC TO HH 1:
4-12/C #12
6-3/C #12
2-3/C #20
7-2/C #14
F & I: 2-2/C#14
INPLACE: 4" RSC
F & I: EXTEND 4" RSC INTO HH 23
6-2/C#14
*1-6/C FO CABLE
SALVAGE & REINSTALL: 4-12/C#12 } DISCONNECT AND
6-3/C#12 } PULL CABLE BACK
2-3/C#20 } TO HH 18
3-2/C#14 } & REINSTALL
1-6PR#19 }
REMOVE: 4-2/C#14
INPLACE: 1-2" RSC AND 1-3" RSC CONDUIT STUB OUTS
(BOTH ENDS THREADED AND CAPPED)
- B INPLACE: SERVICE CABINET
SERVICE CABINET FOUNDATION
EXTEND INTO HH 1:
UNMETERED STREET LIGHT SERVICE
INPLACE: 1 1/4" RSC
1-3/C #12 (LUM)
SALVAGE & REINSTALL: 1-3/C#12 (LUM)
(DISCONNECT & PULL BACK TO HH 18
AND REINSTALL)
EXTEND INTO HH 24:
METERED SIGNAL SERVICE
INPLACE: 1 1/4" RSC
3-1/C#6
INPLACE: STUB OUT 2" RSC
POWER CABLES TO POLE C
- C SOP-GROUND MOUNTED TRANSFORMER PAD
(INPLACE)

- NOTES:
- ALL ITEMS OF SIGNAL SYSTEM ARE INPLACE AND SHALL BE USED INPLACE UNLESS OTHERWISE DENOTED BY "F & I", "REMOVE" OR "SALVAGE & REINSTALL".
 - EXACT LOCATION OF LOOP DETECTORS AND HANDHOLES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
 - A 3/4" HALF COUPLING, A 3/4" PIPE NIPPLE AND CONDUIT OUTLET BODY FOR EMERGENCY VEHICLE PREEMPTION EQUIPMENT SHALL BE FURNISH & INSTALL 6' FROM END OF MASTARM.
 - THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF THE SIGNAL SYSTEM WITH THE CONSTRUCTION OF THE ROADWAY. SIGNAL REVISION WORK SHALL BE COORDINATED TO MINIMIZE THE OPERATIONAL DOWN TIME OF THE SIGNAL SYSTEM. SEE SPECIAL PROVISIONS.
 - LOOP DETECTOR WIRES SHALL BE CROSS-LINKED POLYETHYLENE (XLP) IN 3/4" NMC (SEE DETAIL SHEET 138). SEE SPECIAL PROVISIONS.
 - NEW HANDHOLES SHALL BE PVC HANDHOLES WITH METAL FRAMES AND COVERS PER MN/DOT STANDARD PLATE 8114. INPLACE HANDHOLES UTILIZED IN THE REVISED SIGNAL SYSTEM SHALL BE ADJUSTED TO THE APPROPRIATE GRADE WHERE NECESSARY AND AS DIRECTED BY THE ENGINEER.
 - REINSTALLING SALVAGED OR FURNISHING AND INSTALLING POLE AND MAST ARM MOUNTED TYPE C AND TYPE D SIGNS SHALL BE INCIDENTAL TO THE REVISE SIGNAL SYSTEM C PAY ITEM.
 - THE CONTRACTOR SHALL REMOVE AND FURNISH & INSTALL NEW INTERNAL POLE WRING (POLE 3) AS NECESSARY TO ACCOMMODATE THE NEW LENGTHENED MAST ARM.
 - THE CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO COMMENCING WORK.
 - ITEMS DENOTE BY AN * ARE INCIDENTAL TO THE INTERCONNECT PAY ITEM.
 - ALL LOOP DETECTORS SHALL BE PREFORMED NMC LOOP DETECTORS. SEE DETAIL SHEET.
 - WHEN DIRECTED BY THE ENGINEER; THE CONTRACTOR SHALL REMOVE OR REMOVE AND SALVAGE ITEMS OF THE INPLACE TRAFFIC SIGNAL SYSTEM NOT REUSED IN THE REVISE SIGNAL SYSTEM. REMOVAL AND SALVAGING SIGNAL SYSTEM ITEMS SHALL BE INCIDENTAL TO THE REVISE SIGNAL SYSTEM C PAY ITEM.
 - HAULING OF SALVAGED MATERIAL SHALL BE INCIDENTAL TO THE HAUL SALAVAGED MATERIAL PAY ITEM.

TRAFFIC SIGNALS
24 OF 31

DATE: AUG 18, 2012 12:00pm DISK FILE NAME: (15.1) R:\31809791\PLAN-SHT\TS14.dwg

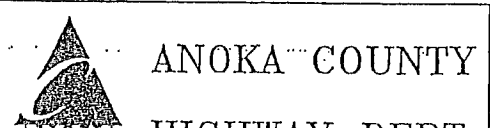
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| DESIGN FILE: 31809-791 | DESIGN BY: MRA |
| DRAWN BY: JAS | CHKD. BY: RJG |
| DWG. NAME: TS14 | |



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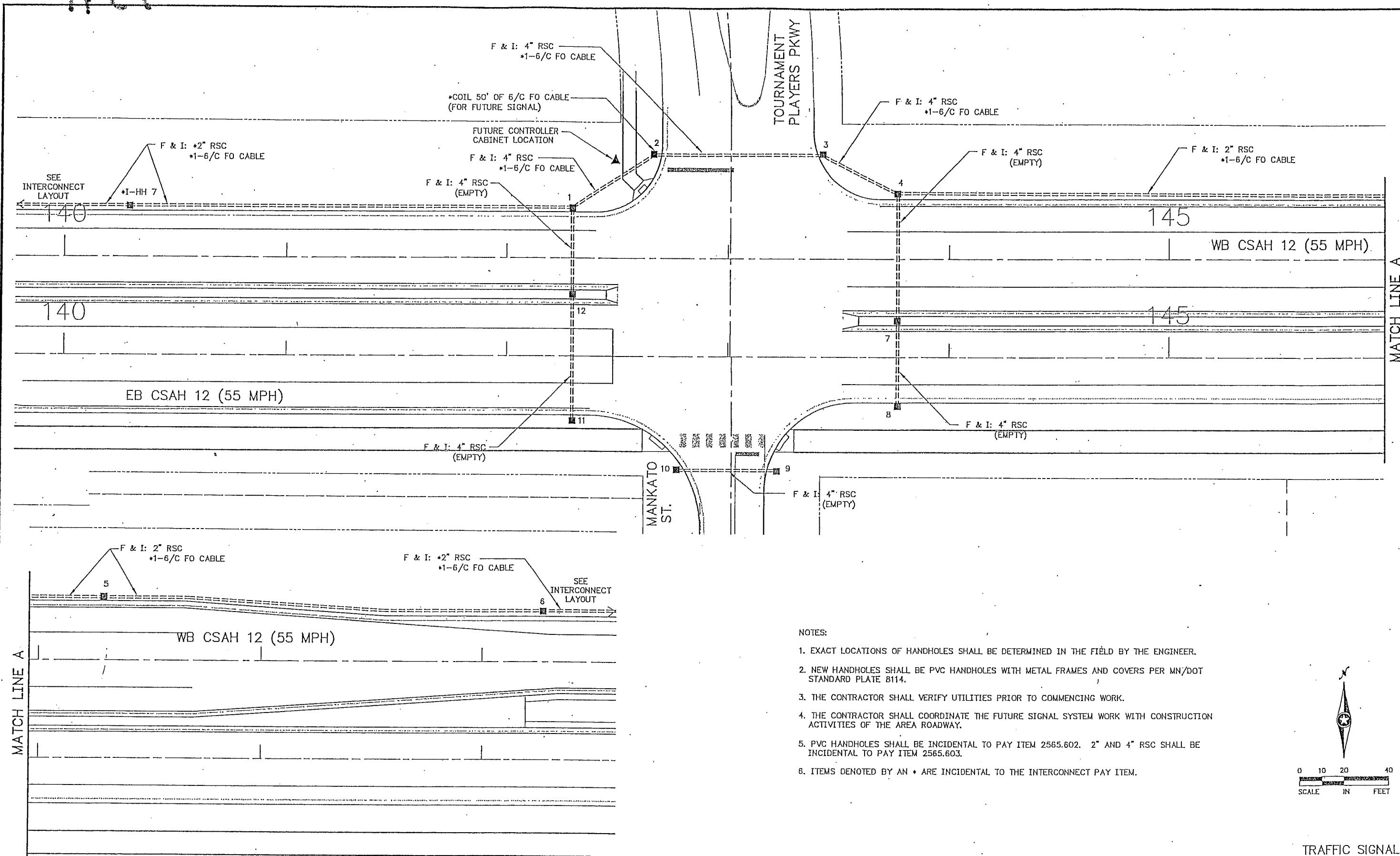
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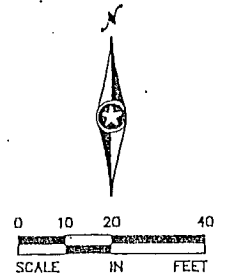
CSAH 12
RECONSTRUCTION
REVISE SIGNAL SYSTEM C
INTERSECTION LAYOUT (1 OF 3)

| | |
|------------------|------------------|
| S.P. 02-612-11 | SHEET NO. 159 |
| S.P. 106-020-025 | |
| S.P. | |

1425



- NOTES:
- EXACT LOCATIONS OF HANDHOLES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - NEW HANDHOLES SHALL BE PVC HANDHOLES WITH METAL FRAMES AND COVERS PER MN/DOT STANDARD PLATE B114.
 - THE CONTRACTOR SHALL VERIFY UTILITIES PRIOR TO COMMENCING WORK.
 - THE CONTRACTOR SHALL COORDINATE THE FUTURE SIGNAL SYSTEM WORK WITH CONSTRUCTION ACTIVITIES OF THE AREA ROADWAY.
 - PVC HANDHOLES SHALL BE INCIDENTAL TO PAY ITEM 2565.602. 2" AND 4" RSC SHALL BE INCIDENTAL TO PAY ITEM 2565.603.
 - ITEMS DENOTED BY AN * ARE INCIDENTAL TO THE INTERCONNECT PAY ITEM.



TRAFFIC SIGNALS
29 OF 31

DOT DATE: AUG 18, 2005 12:00pm DISK FILE NAME: (16.1) R:\31809791\PLAN-SHT\TS31.dwg

| REV. NO. | BY | DATE | REVISIONS DESCRIPTION |
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|---------------------------|--------------------|
| DESIGN FILE: 31809-791 | DESIGN BY: NRA |
| DRAWN BY: JAS | DWG. NAME: TS31 |
| CHKD. BY: RJG | DATE: |

URS
100 Third Street South
 Minneapolis, MN 55414
 612.379.0000
 612.379.1279 Fax

ALLIANT ENGINEERING
INCORPORATED
 233 PARK AVENUE SOUTH
 SUITE 200
 MINNEAPOLIS, MN 55415
 (612) 724-3880

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Michael R. Anderson
 MICHAEL R. ANDERSON

ANOKA COUNTY
HIGHWAY DEPT.

CSAH 12
 RECONSTRUCTION
 FUTURE SIGNAL SYSTEM
 INTERSECTION LAYOUT
 CSAH 12 (109TH AVE) & MANKATO ST

| | |
|------------------|------------------|
| S.P. 02-612-11 | SHEET NO. 164 |
| S.P. 106-020-025 | |
| S.P. | 213 |

7541

SEE REVISE SIGNAL SYSTEM B
INTERSECTION LAYOUT

CLUB WEST PKWY

DAVENPORT ST
(35 MPH)

CSAH 12

CSAH 12

4" RSC (1)
2-12/C#12 (1)
3-3/C#12 (1)
1-3/C#12 (LUM) (1)
1-3/C#20 (1)
4-2/C#14 (1)
*1-6/C FO CABLE

2" RSC (1)
2-2/C#14 (1)
*1-6/C FO CABLE

4" RSC (1)
2-12/C#12 (1)
3-3/C#12 (1)
1-3/C#12 (LUM) (1)
1-3/C#20 (1)
6-2/C#14 (1)
*1-6/C FO CABLE

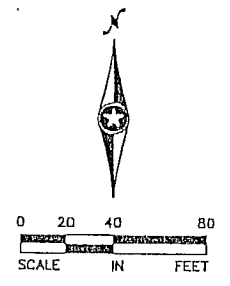
EQUIPMENT PAD (1)
CONTROLLER CABINET (1)
CONTROLLER (1)
4" RSC (1)
4-12/C#12 (1)
6-3/C#12 (1)
2-3/C#20 (1)
6-2/C#14 (1)
*1-6/C FO CABLE

F & I: *2" RSC
*1-6/C FO CABLE

*I-HH 1

NOTES:

1. ITEMS DENOTED WITH A (1) ARE INSTALLED AS PART OF THE SIGNAL SYSTEMS AND ARE INCIDENTAL TO THE REVISE SIGNAL SYSTEM B, REVISE SIGNAL SYSTEM C AND FUTURE SIGNAL SYSTEM PAY ITEMS. REFER TO INTERSECTION LAYOUT SHEETS.
2. ITEMS DENOTED WITH AN * SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO THE INTERCONNECT PAY ITEMS.
3. IT SHALL BE THE CONTRACTORS OWN RESPONSIBILITY TO UTILIZE THE "ONE CALL EXCAVATION NOTICE SYSTEM" (PHONE 651-454-0002, THIS IS REQUIRED BY STATE STATUTE 2160).
4. THE CONTRACTOR SHALL COORDINATE PLACEMENT OF INTERCONNECT ITEMS WITH CONSTRUCTION OF THE AREA ROADWAYS AND SIGNAL SYSTEMS.



F & I: *2" RSC
*1-6/C FO CABLE

F & I: *2" RSC
*1-6/C FO CABLE

F & I: *2" RSC
*1-6/C FO CABLE

*I-HH 2

*I-HH 3

*I-HH 4

*I-HH 5

*I-HH 6

1:15 TAPER

PLOT DATE: AUG 18, 2005 12:00pm DISK FILE NAME: (16.1) R:\31809791\PLAN-SHT\TS16.dwg

MATCH LINE A

MATCH LINE B

| REV. NO. | BY | DATE | REVISIONS DESCRIPTION |
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| | | | |

DESIGN FILE:
31809-791

DRAWN BY:
JAS

DESIGN BY:
MRA

CHKD. BY:
RJK

DWG. NAME:
TS16

DATE:
AUG 18, 2005

URS
700 Third Street South
Minneapolis, MN 55414
612.333.3333

ALLIANT ENGINEERING
1400 S. PARK AVENUE
SUITE 200
MINNEAPOLIS, MN 55413
(612) 754-3040
(612) 754-3048 FAX

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Michael R. Anderson
MICHAEL R. ANDERSON
DATE: 11/27/05 MN LIC. NO. 42828

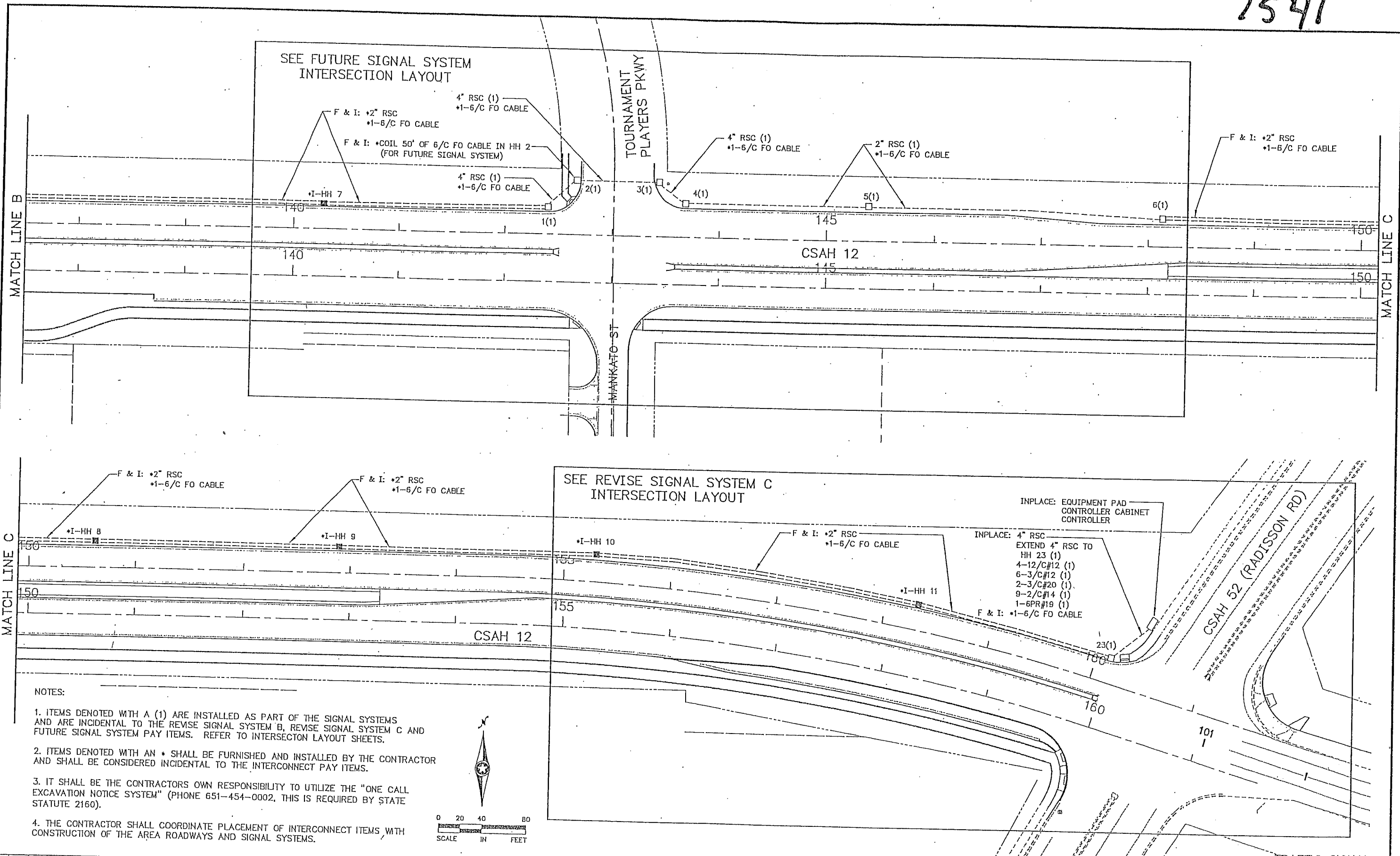
ANOKA COUNTY
HIGHWAY DEPT.

CSAH 12
RECONSTRUCTION
DAVENPORT ST TO RADISSON RD
TRAFFIC CONTROL SIGNAL SYSTEM
INTERCONNECT LAYOUT (1 OF 2)

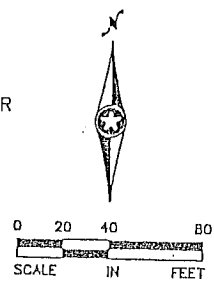
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| S.P. 02-612-11 | SHEET NO. |
| S.P. 106-020-025 | 165 |
| S.P. | 213 |

TRAFFIC SIGNALS
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7541



- NOTES:
1. ITEMS DENOTED WITH A (1) ARE INSTALLED AS PART OF THE SIGNAL SYSTEMS AND ARE INCIDENTAL TO THE REVISE SIGNAL SYSTEM B, REVISE SIGNAL SYSTEM C AND FUTURE SIGNAL SYSTEM PAY ITEMS. REFER TO INTERSECTION LAYOUT SHEETS.
 2. ITEMS DENOTED WITH AN * SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO THE INTERCONNECT PAY ITEMS.
 3. IT SHALL BE THE CONTRACTORS OWN RESPONSIBILITY TO UTILIZE THE "ONE CALL EXCAVATION NOTICE SYSTEM" (PHONE 651-454-0002, THIS IS REQUIRED BY STATE STATUTE 2160).
 4. THE CONTRACTOR SHALL COORDINATE PLACEMENT OF INTERCONNECT ITEMS WITH CONSTRUCTION OF THE AREA ROADWAYS AND SIGNAL SYSTEMS.



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| REV. NO. | BY | DATE | REVISIONS DESCRIPTION |
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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Michael R. Anderson
 MICHAEL R. ANDERSON


ANOKA COUNTY
 HIGHWAY DEPT

CSAH 12
 RECONSTRUCTION
 DAVENPORT ST TO RADISSON RD
 TRAFFIC CONTROL SIGNALS

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| S.P. 02-612-11 | SHEET NO. |
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