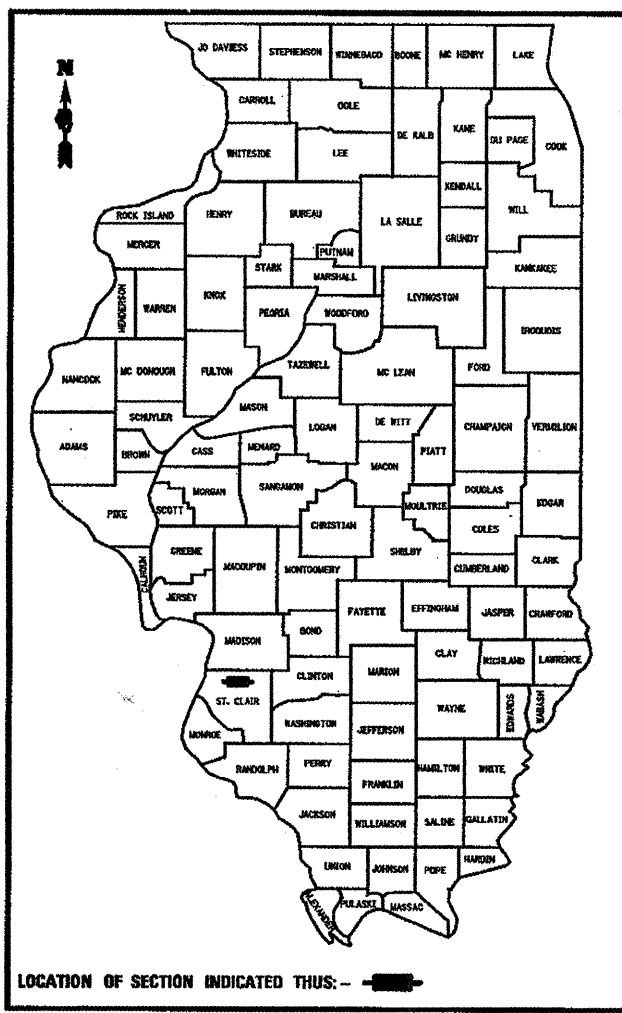


| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEET NO. |
|-------------|---------|-----------|-----------------|
| 103 | 28-11-1 | ST. CLAIR | 25 of 1 |

* 25 + 4 = 29

D-98-030-10



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

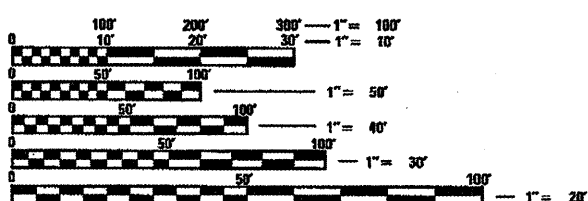
INDEX OF SHEETS

- 1. COVER SHEET
- 2. GENERAL NOTES AND COMMITMENTS
- 3. SUMMARY OF QUANTITIES
- 4-7. TYPICAL SECTIONS
- 8-9. SCHEDULE OF QUANTITIES
- 10-23. PLAN SHEETS
- 24. IMPACT ATTENUATOR DETAIL
- * 25. GUARDRAIL DETAIL
- * 25A.-25D. DETAIL SHEETS

HIGHWAY STANDARDS

- 635006-03
- 635011-02
- 637001-04
- 606301-04
- 701101-02
- 701106-02
- 701326-03
- 701400-04
- 701406-05
- 701701-06
- 701901-01
- 720001-01
- 720006-02
- 728001-01
- 731001-01

SCALES



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

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

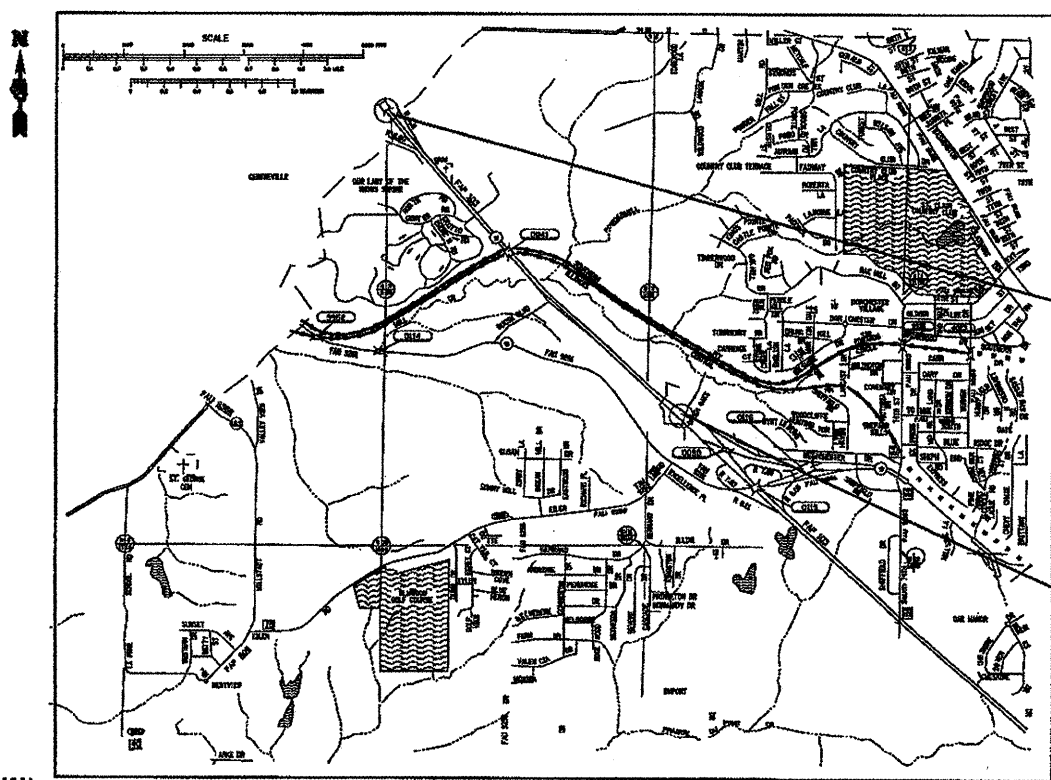
2007 ADT = 35,800 (ACTUAL)
2010 ADT = 37,100 (ESTIMATED)
2030 ADT = 47,100 (ESTIMATED)
SU = 2.7%
MU = 5.3%

PROJECT ENGINEER: TIM PADGETT (618) 346-3325
PROJECT MANAGER: ALONZO WASHINGTON (618) 346-3194
CONTRACT NO. 76D63

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS PROPOSED HIGHWAY PLANS

FAP ROUTE 103 (IL 15)
SECTION 28-11-1
IL ROUTE 15 FROM IL ROUTE 157
TO GREEN OAKS IN BELLEVILLE.
SAFETY IMPROVEMENTS
PROJECT: ACHSIP-0103(067)
ST. CLAIR COUNTY
C-98-044-10



LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH OF SECTION = 7,930 FT. = 1.5 MILE
NET LENGTH OF SECTION = 7,930 FT. = 1.5 MILE

PROJECT BEGINS
STA. 235 + 10
(LAT. 38.56157276247755
LONG. -90.08490800857544)

PROJECT ENDS
STA. 314 + 40
(LAT. 38.50707205259904
LONG. -90.0044846534729)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED: 3/19/2010
Mary Farnie
DEPUTY DIRECTOR OF HIGHWAYS, REGIONAL ENGINEER

May 7, 2010
Scott E. Stitt, P.E. /s/ acting
ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2010
Christine M. Reed /s/ acting
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

- ① SAW CUTTING ON ALL EDGES FOR REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATION.
- ② EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE.
- ③ ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

| UTILITY | ABOVE GROUND | BELOW GROUND |
|---|--------------|--------------|
| AMEREN (GAS & ELECTRIC) | X | X |
| AT&T ILLINOIS | X | X |
| CENTERPOINT ENERGY | | X |
| CHARTER COMMUNICATIONS, INC | X | X |
| CONOCO PHILLIPS COMPANY HARTFORD TERMINAL | | X |
| ILLINOIS AMERICAN WATER COMPANY | | X |
| LEVEL 3 COMMUNICATIONS, LLC | | X |
| VERIZON BUSINESS | | X |
| 360NETWORKS (USA) INC. | | X |
| STOOKEY TOWNSHIPS | | X |
| VERIZON NORTH, INC. | X | X |

MEMBERS OF J.U.L.I.E. (800-892-0123) ARE INDICATED BY AN*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- ④ EXCESS BITUMEN REMOVAL SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- ⑤ MIXTURES FOR JOINTS, CRACKS, AND FLANGWAYS SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- ⑥ THE THICKNESS OF BITUMINOUS SURFACE REMOVAL IS THE REMOVAL DEPTH AT THE CENTERLINE. THE REMOVAL DEPTH IS 2". AN ESTIMATED 145 TONS OF BITUMINOUS SURFACE WILL BE REMOVED.
- ⑦ IF ANY SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- ⑧ AFTER THE EXISTING CONCRETE BARRIER IS REMOVED, LIGHTED DRUMS SHALL BE PLACED IN PLACE OF THE EXISTING CONCRETE BARRIER. SEE CONCRETE BARRIER REMOVAL (SPECIAL), SPECIAL PROVISION.
- ⑨ THE STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINAL ITEMS INCLUDED IN THE PLANS SHALL COMPLY WITH THE DETAILS IN THE PLANS AND MANUFACTURER'S DETAIL IN ORDER TO MATCH THE EXISTING GUARDRAIL ELEMENTS THAT WERE ERECTED PRIOR TO JANUARY 1, 2007.
- ⑩ THE EXISTING DETECTOR LOOP CONDUIT FROM PAVEMENT TO THE HANDHOLE WILL BE RE-USED FOR THE REPLACED LOOP. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING THE EXISTING CONDUIT DURING THE CONSTRUCTION OPERATION. SHOULD ANY DAMAGE OCCURE DUE TO THE CONTRACTOR'S OPERATIONS, REPAIRS WILL BE MADE TO THE SATISFACTION OF THE ENGINEER AND WILL BE DONE AT THE CONTRACTOR'S EXPENSE.
- ⑪ THE STEEL PLATE BEAM GUARDRAIL ALONG THE OUTSIDE EDGE OF PAVEMENT SHALL COMPLY WITH THE DETAILS IN THE PLANS AND MANUFACTURER'S DETAIL IN ORDER TO MATCH THE EXISTING GUARDRAIL ELEMENTS THAT WERE ERECTED PRIOR TO JANUARY 1, 2007. THE STEEL PLATE BEAM GUARDRAIL ALONG THE CONCRETE MEDIAN SHALL MATCH UPDATED GUARDRAIL ELEMENTS THAT WERE ERECTED AFTER JANUARY 1, 2007.

- ⑫ THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE REQUIREMENTS - SUPERPAVE PROJECT

| MIXTURE USE | POLY-SURFACE | LEVEL BINDER | | | |
|-------------------------------------|----------------|----------------|--|--|--|
| AC/PG | SBS 76-22 | PG 64-22 | | | |
| RAP % (MAX) | SEE SPEC. | SEE SPEC. | | | |
| DESIGN AIR VOIDS | 4.0% @ Ndes=90 | 4.0% @ Ndes=90 | | | |
| MIX COMPOSITION (GRADATION MIXTURE) | IL 12.5/9.5 | IL 9.5 | | | |
| FRICITION AGG | MIXTURE *E* | MIXTURE *C* | | | |

| MIXTURE USE | | | | | |
|-------------------------------------|--|--|--|--|--|
| AC/PG | | | | | |
| RAP % (MAX) | | | | | |
| DESIGN AIR VOIDS | | | | | |
| MIX COMPOSITION (GRADATION MIXTURE) | | | | | |
| FRICITION AGG | | | | | |

** Top Lift Shoulders - Design this mix at 2.0% voids and add asphalt to reduce voids to 1.5%.

Plan quantities for Bituminous Concrete Surface Course items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25 mm thickness).

TRAFFIC CONTROL

- ① NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.
- ② "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE.
- ③ FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE APPLIED.

COMMITMENTS

NONE

| | | | | | | | | | | | |
|-------------------------------------|------------------------------|-----------------|----------------|---|----------------------------|---|---------|-----------|--------------|-----------|--|
| FILE NAME = | USER NAME = washingtona | DESIGNED - ---- | REVISED - ---- | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | GENERAL NOTES SHEET | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| ca\pwork\pwork\washingtona\d8168383 | 4876d63-sht-plan.dgn | DRAWN - ---- | REVISED - ---- | | | 103 | 28-II-1 | ST. CLAIR | 85 | 2 | |
| | PLOT SCALE = 100.0000' / IN. | CHECKED - ---- | REVISED - ---- | | | CONTRACT NO. 76D63 | | | | | |
| | PLOT DATE = 3/18/2018 | DATE - ---- | REVISED - ---- | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | |

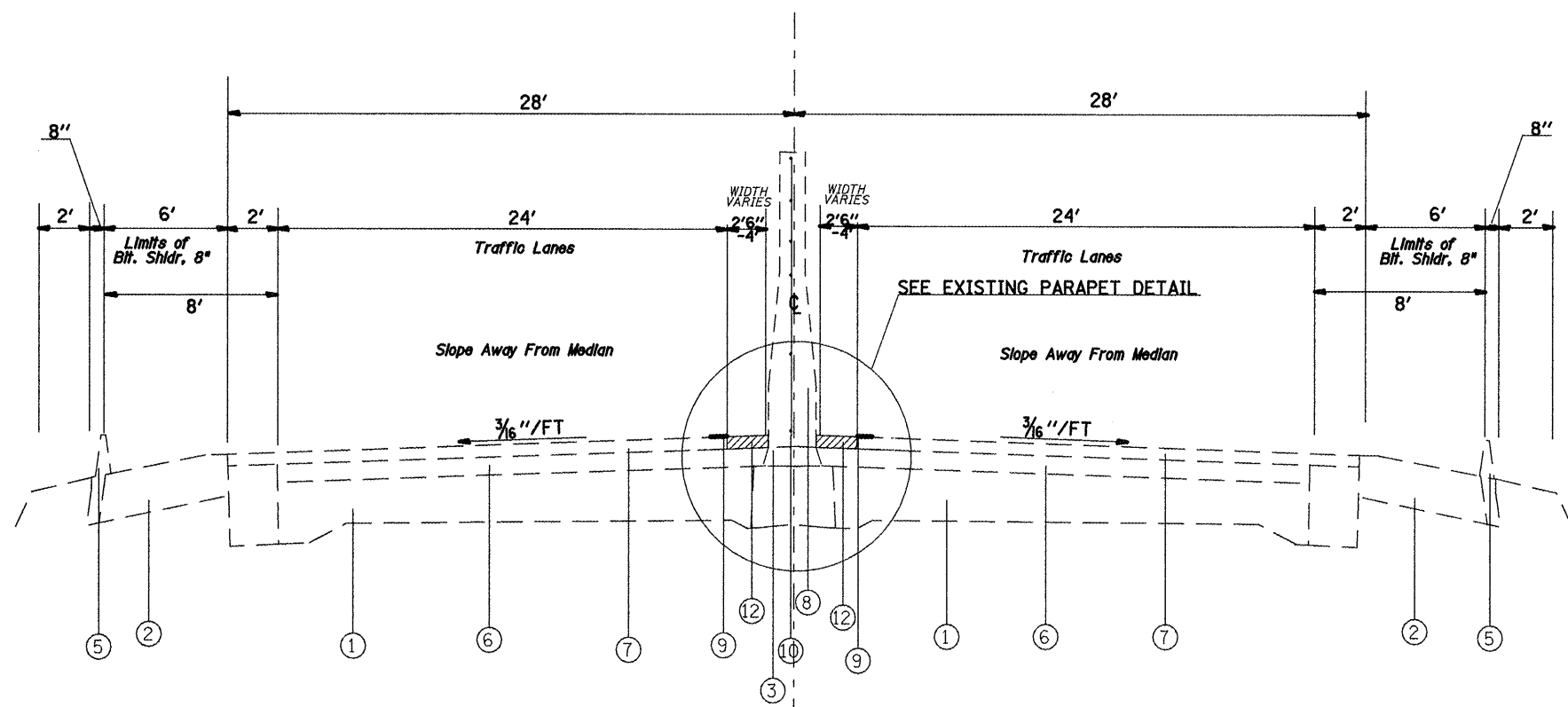
SUMMARY OF QUANTITIES

901.FED./101.STATE

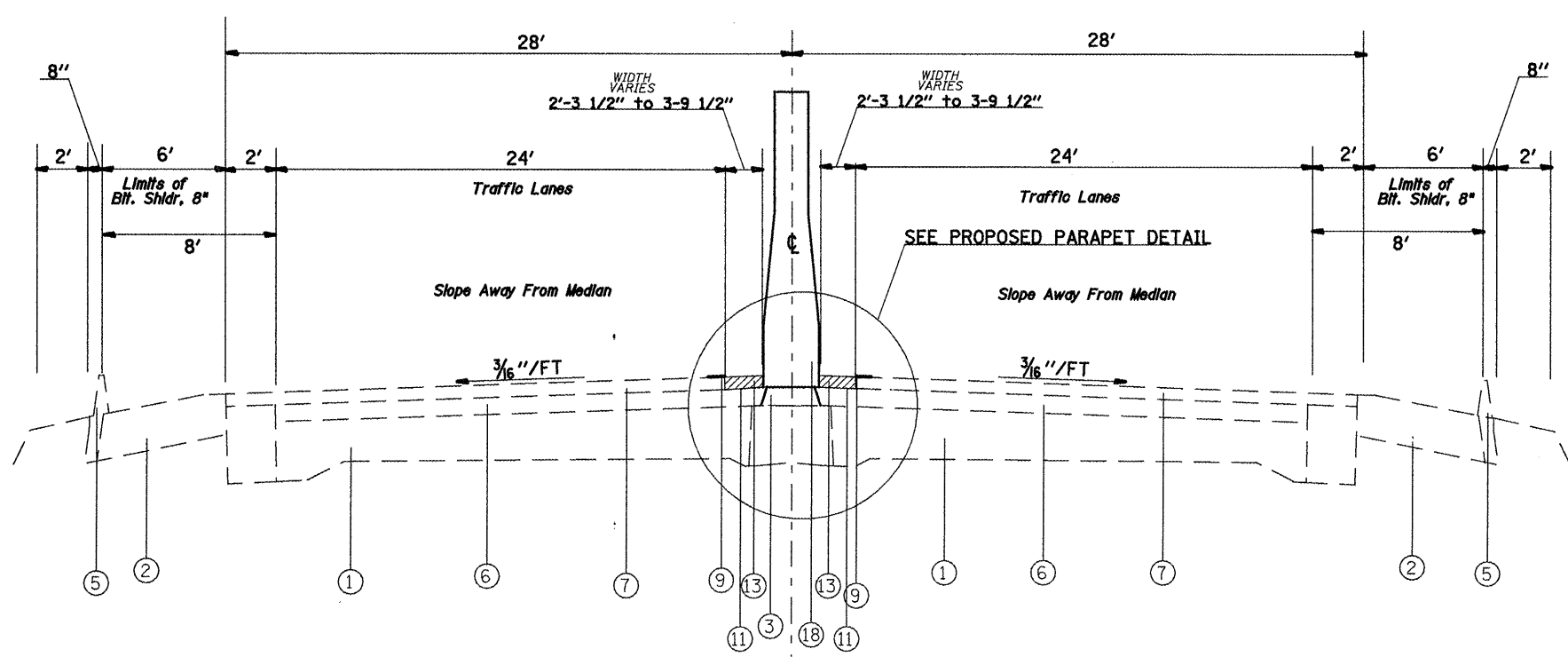
| SUMMARY OF QUANTITIES | | | URBAN TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | |
|-----------------------|--|-------|------------------------------|------------------------|--|--|
| CODE NO | ITEM | UNIT | | SFTY-4A | | |
| 40600200 | BITUMINOUS MATERIALS (PRIME COAT) | TON | 1.2 | 1.2 | | |
| 40603570 | <i>POLYMERIZED</i> HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90 | TON | 408 | 408 | | |
| 44000157 | HOT-MIX ASPHALT SURFACE REMOVAL, 2" | SQ YD | 3658 | 3658 | | |
| 44000300 | CURB REMOVAL | FOOT | 1672 | 1672 | | |
| 44003100 | MEDIAN REMOVAL | SQ FT | 5560 | 5560 | | |
| 60600905 | CONCRETE CURB, TYPE B (MODIFIED) | FOOT | 680 | 680 | | |
| 60618300 | CONCRETE MEDIAN SURFACE, 4 INCH | SQ FT | 3794 | 3794 | | |
| 60618800 | CONCRETE MEDIAN, TYPE SB | SQ FT | 908 | 908 | | |
| 60621600 | CONCRETE MEDIAN, TYPE SM | SQ FT | 1126 | 1126 | | |
| 63000002 | STEEL PLATE BEAM GUARD RAIL, TYPE A, 6.75 FOOT POSTS | FOOT | 60 | 60 | | |
| 63200310 | GUARDRAIL REMOVAL | FOOT | 464 | 464 | | |
| 63700255 | CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT | FOOT | 5487 | 5487 | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | |
| 70100500 | TRAFFIC CONTROL AND PROTECTION, STANDARD T01326 | L SUM | 1 | 1 | | |
| 70100700 | TRAFFIC CONTROL AND PROTECTION, STANDARD T01406 | L SUM | 1 | 1 | | |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD T01701 | L SUM | 1 | 1 | | |
| *72000100 | SIGN PANEL - TYPE 1 | SQ FT | 13 | 13 | | |
| *72400100 | REMOVE SIGN PANEL ASSEMBLY - TYPE A | EACH | 2 | 2 | | |
| *72800100 | TELESCOPING STEEL SIGN SUPPORT | FOOT | 19 | 19 | | |
| *73100100 | BASE FOR TELESCOPING STEEL SIGN SUPPORT | EACH | 2 | 2 | | |
| *78200300 | PRISMATIC CURB REFLECTOR | EACH | 20 | 20 | | |
| 78200410 | GUARDRAIL MARKERS, TYPE A | EACH | 4 | 4 | | |
| 78200530 | BARRIER WALL MARKERS, TYPE C | EACH | 21 | 21 | | |
| *80300100 | LOCATING UNDERGROUND CABLE | FOOT | 882 | 882 | | |
| X4400198 | CONCRETE BARRIER REMOVAL (SPECIAL) | FOOT | 5487 | 5487 | | |
| *X7800200 | PAINT PAVEMENT MARKING CURB | FOOT | 27 | 27 | | |
| XX006057 | GUARDRAIL, SPECIAL | FOOT | 32 | 32 | | |
| Z0030030 | IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 | EACH | 1 | 1 | | |
| Z0030330 | IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3 | EACH | 1 | 1 | | |

**Specialty Items*

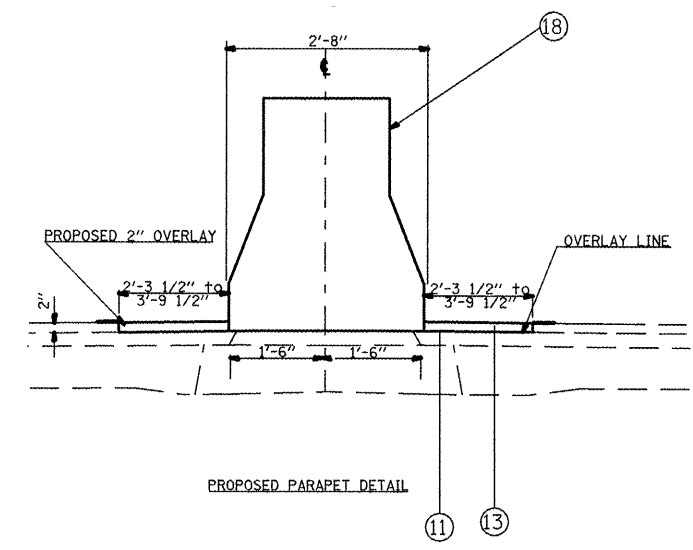
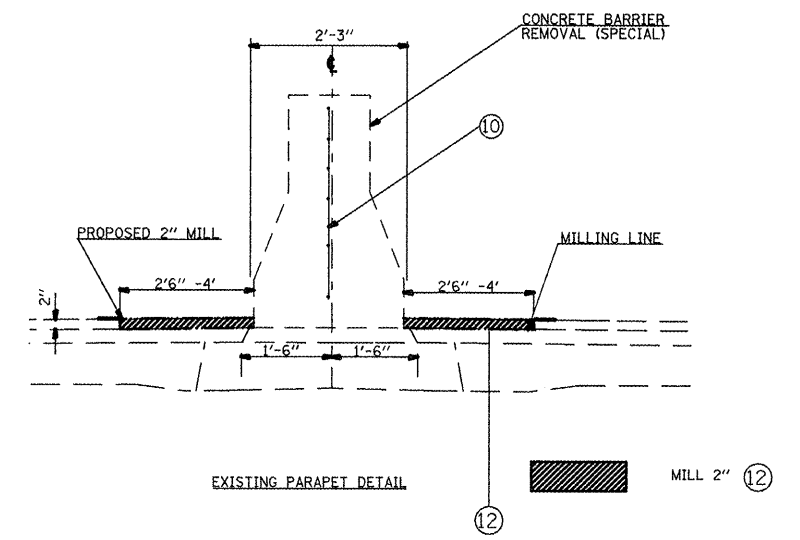
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|---|------------------------------|------------|-----------|---|-----------------------|--------------------|--------------------|---------------------------------|--------------------|--------------------------|
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| ca:\pwwork\pwwork\washingtonq\d8168383 | 876d63-sht-plan.dgn | DRAWN - | REVISED - | | | | | | | |
| | PLOT SCALE = 100.0000' / IN. | CHECKED - | REVISED - | | | | | | | |
| | PLOT DATE = 3/18/2010 | DATE - | REVISED - | | | | | | | |
| | | | | | | SCALE: _____ | | SHEET NO. _____ OF _____ SHEETS | | STA. _____ TO STA. _____ |
| FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT | | | | | | | | | | |



EXISTING
FAP 103 (IL 15)
 STA. 235+10 TO STA 250+92
 STA. 271+70 TO STA 314+40



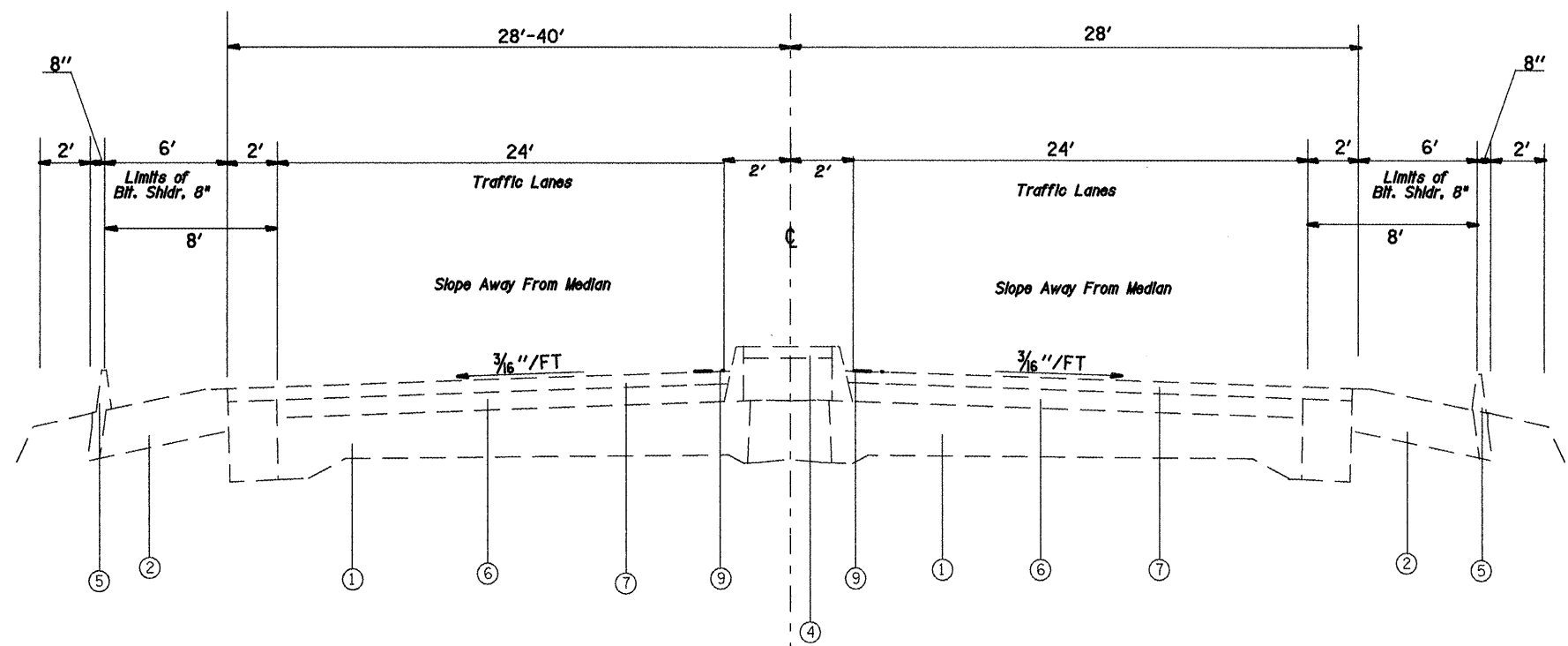
PROPOSED
FAP 103 (IL 15)
 STA. 235+10 TO STA 250+92
 STA. 271+70 TO STA 314+40



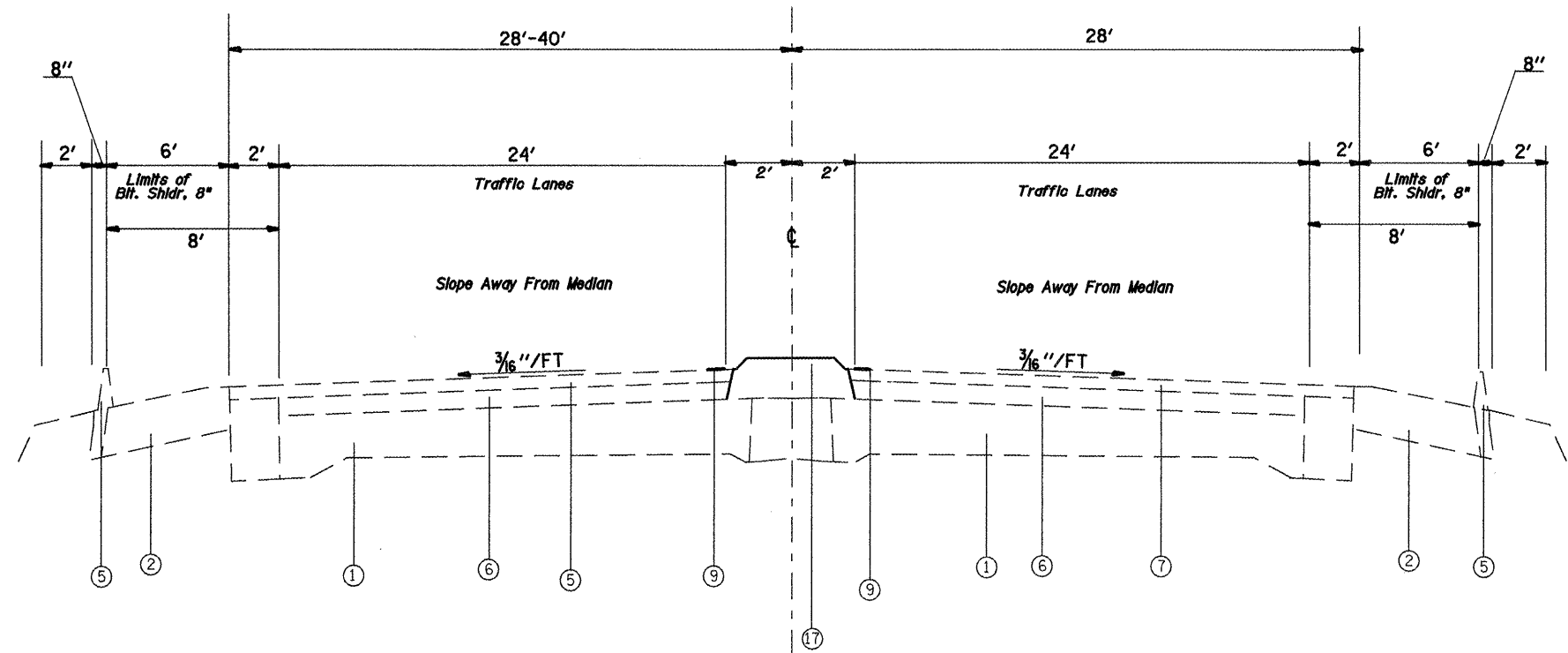
LEGEND

- ① EXISTING PORTLAND CONCRETE CEMENT PAVEMENT
- ② EXISTING BITUMINOUS SHOULDER (8")
- ③ EXISTING CONCRETE SOLID MEDIAN
- ④ EXISTING CONCRETE MEDIAN SURFACE
- ⑤ EXISTING BITUMINOUS CONCRETE CURB
- ⑥ EXISTING BITUMINOUS OVERLAY 3 1/2"
- ⑦ EXISTING BITUMINOUS OVERLAY (2")
- ⑧ EXISTING CONCRETE BARRIER, DOUBLE FACE
- ⑨ EXISTING 4" SOLID YELLOW LINE
- ⑩ EXISTING WELDING WIRE FABRIC
- ⑪ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑬ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70
- ⑭ PROPOSED CONCRETE CURB, TYPE B (MODIFIED)
- ⑮ PROPOSED CONCRETE MEDIAN SURFACE, 4"
- ⑯ PROPOSED CONCRETE MEDIAN, TYPE SB (SEE TABLE)
- ⑰ PROPOSED CONCRETE MEDIAN, TYPE SM (SEE TABLE)
- ⑱ PROPOSED CONCRETE BARRIER, DOUBLE FACE, 32" HEIGHT.

| | | | | | | | | | | | |
|---------------------------------------|------------------------------|------------|-----------|---|----------------------------------|---------------------------------|----------------------------|---------------------------|------------------|---------------------------|-------------|
| FILE NAME = | USER NAME = washingtonq | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EXISTING TYPICAL SECTIONS | | F.A.P. RTE. 103 | SECTION 28-II-1 | COUNTY ST. CLAIR | TOTAL SHEETS 25 | SHEET NO. 4 |
| ca\pw_work\pwwid\washingtonq\d9168383 | 876d63-ah-t-plan.dgn | DRAWN - | REVISED - | | SCALE: _____ | SHEET NO. _____ OF _____ SHEETS | STA. 295+00 TO STA. 314+40 | CONTRACT NO. 76D63 | | ILLINOIS FED. AID PROJECT | |
| | PLOT SCALE = 1/8" = 1' / IN. | CHECKED - | REVISED - | | | | | | | | |
| | PLOT DATE = 3/18/2018 | DATE - | REVISED - | | | | | | | | |



EXISTING
FAP 103 (IL 15)
 STA. 262+88 to 264+82
 STA. 270+40 to 271+10



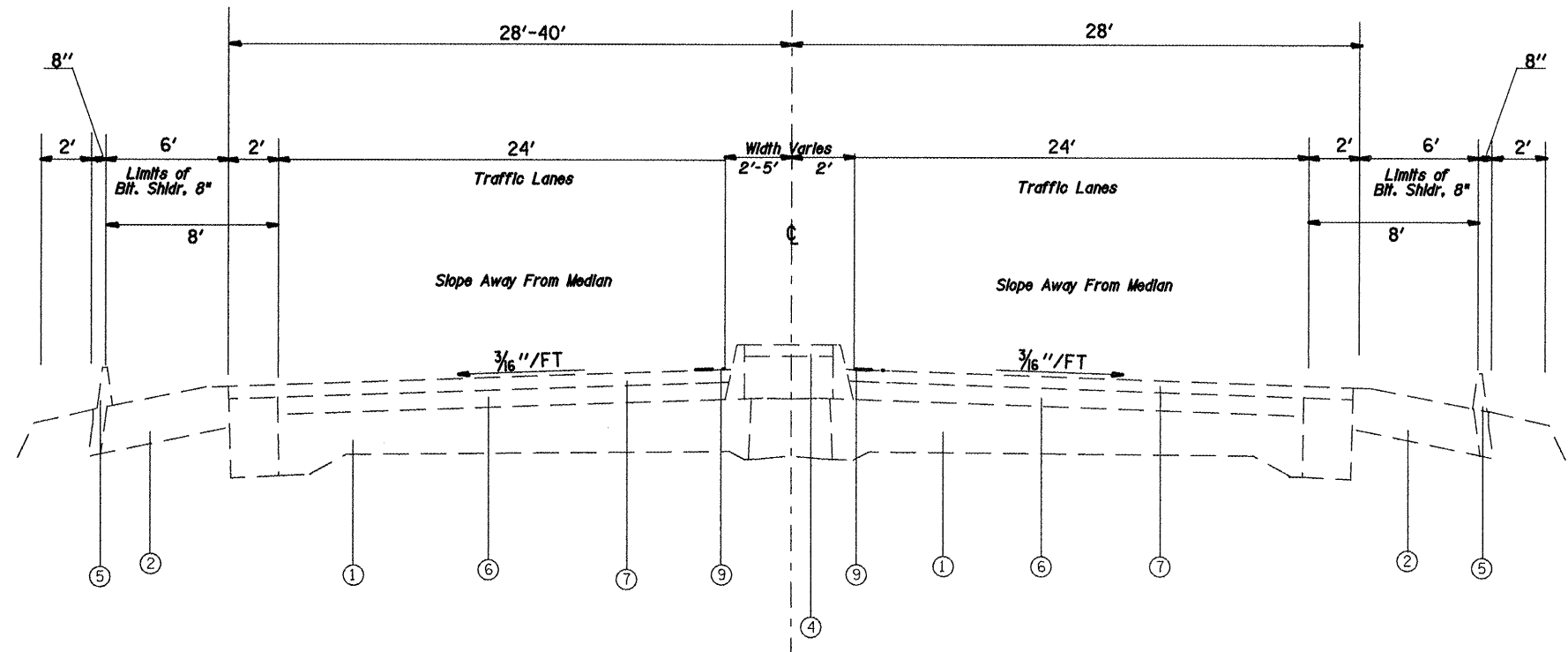
PROPOSED
FAP 103 (IL 15)
 STA. 262+88 to 264+82
 STA. 270+40 to 271+10

| TABLE OF DIMENSIONS | | | | | |
|------------------------|---|----|----|----|----|
| TYPE M AND SM MEDIANS* | | | | | |
| TYPE | A | B | C | D | R1 |
| SM | 0 | 2" | 4" | 2" | 2" |

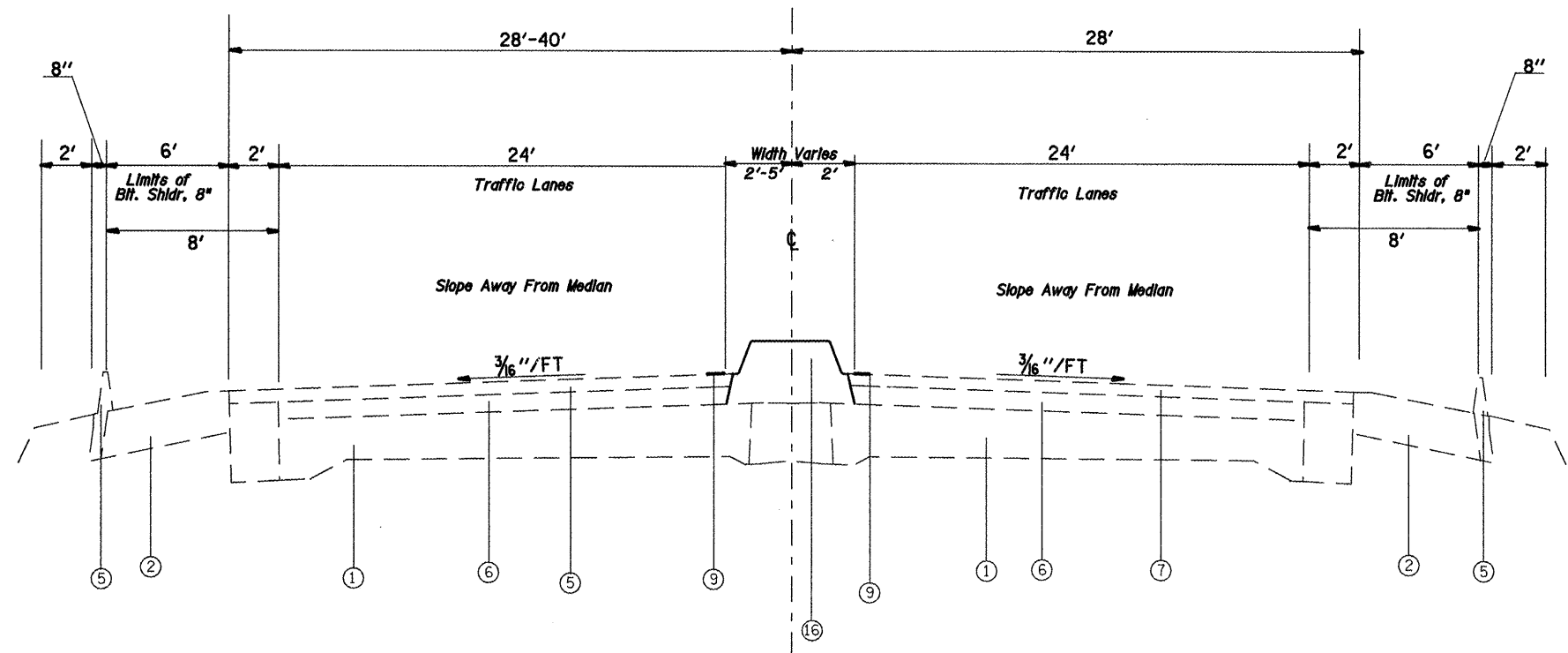
* REFER TO STANDARD 606301

LEGEND

- ① EXISTING PORTLAND CONCRETE CEMENT PAVEMENT
- ② EXISTING BITUMINOUS SHOULDER (8")
- ③ EXISTING CONCRETE SOLID MEDIAN
- ④ EXISTING CONCRETE MEDIAN SURFACE
- ⑤ EXISTING BITUMINOUS CONCRETE CURB
- ⑥ EXISTING BITUMINOUS OVERLAY 3 1/2"
- ⑦ EXISTING BITUMINOUS OVERLAY (2")
- ⑧ EXISTING CONCRETE BARRIER, DOUBLE FACE
- ⑨ EXISTING 4" SOLID YELLOW LINE
- ⑩ EXISTING WELDING WIRE FABRIC
- ⑪ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑬ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70
- ⑭ PROPOSED CONCRETE CURB, TYPE B (MODIFIED)
- ⑮ PROPOSED CONCRETE MEDIAN SURFACE, 4"
- ⑯ PROPOSED CONCRETE MEDIAN, TYPE SB (SEE TABLE)
- ⑰ PROPOSED CONCRETE MEDIAN, TYPE SM (SEE TABLE)
- ⑱ PROPOSED CONCRETE BARRIER, DOUBLE FACE, 32" HEIGHT



EXISTING
FAP 103 (IL 15)
 STA. 264+82 to 267+09



PROPOSED
FAP 103 (IL 15)
 STA. 264+82 to 267+09

| TABLE OF DIMENSIONS | | | | | |
|---------------------|---|----|----|----|----|
| TYPE SB MEDIANS* | | | | | |
| TYPE | A | B | C | D | R1 |
| SB | 0 | 1" | 6" | 6" | 1" |

* REFER TO STANDARD 606301

LEGEND

- ① EXISTING PORTLAND CONCRETE CEMENT PAVEMENT
- ② EXISTING BITUMINOUS SHOULDER (8")
- ③ EXISTING CONCRETE SOLID MEDIAN
- ④ EXISTING CONCRETE MEDIAN SURFACE
- ⑤ EXISTING BITUMINOUS CONCRETE CURB
- ⑥ EXISTING BITUMINOUS OVERLAY 3 1/2"
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- ⑧ EXISTING CONCRETE BARRIER, DOUBLE FACE
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- ⑪ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
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- ⑮ PROPOSED CONCRETE MEDIAN SURFACE, 4"
- ⑯ PROPOSED CONCRETE MEDIAN, TYPE SB (SEE TABLE)
- ⑰ PROPOSED CONCRETE MEDIAN, TYPE SM (SEE TABLE)
- ⑱ PROPOSED CONCRETE BARRIER, DOUBLE FACE, 32" HEIGHT

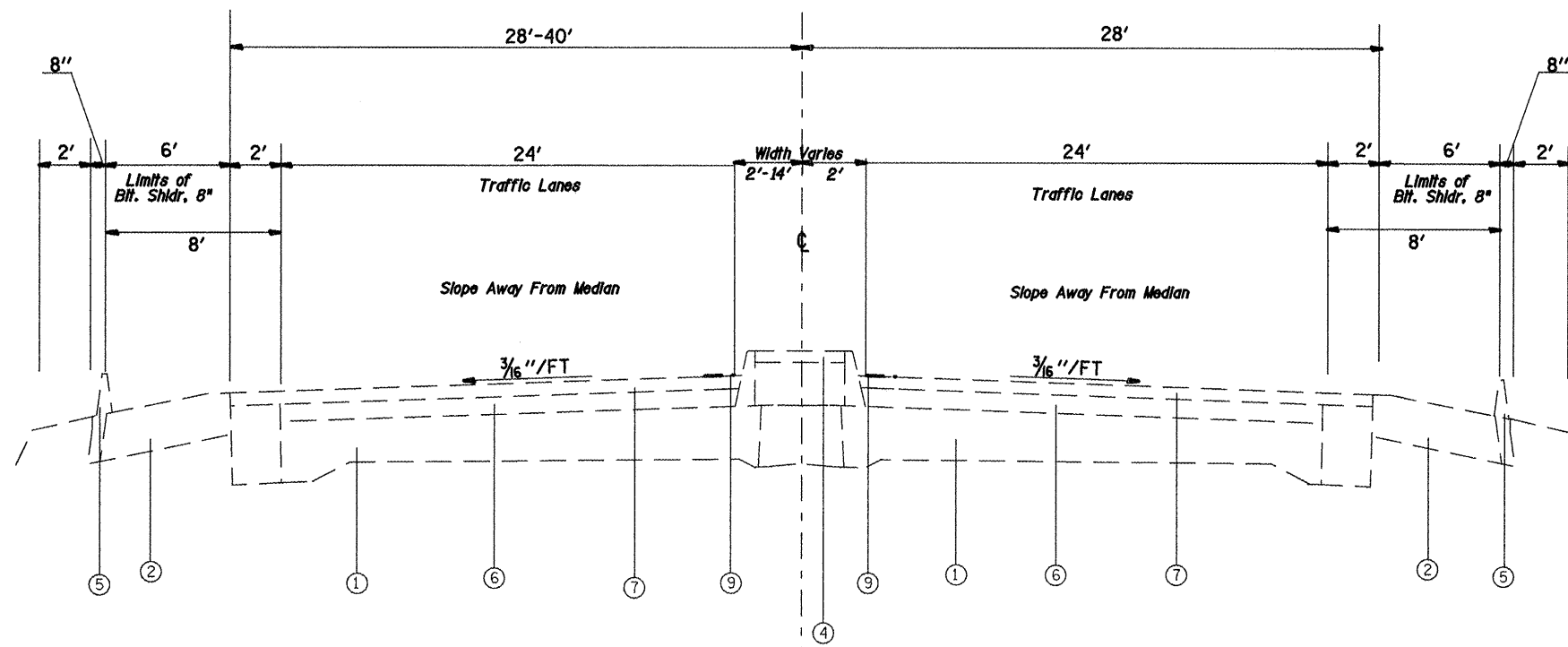
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| FILE NAME = | USER NAME = washington | DESIGNED - | REVISED - |
| ea\pwwork\pwwid\washington\d8168383 | 8876d63-shr-plan.dgn | DRAWN - | REVISED - |
| | PLOT SCALE = 1/8" = 1' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 3/19/2010 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

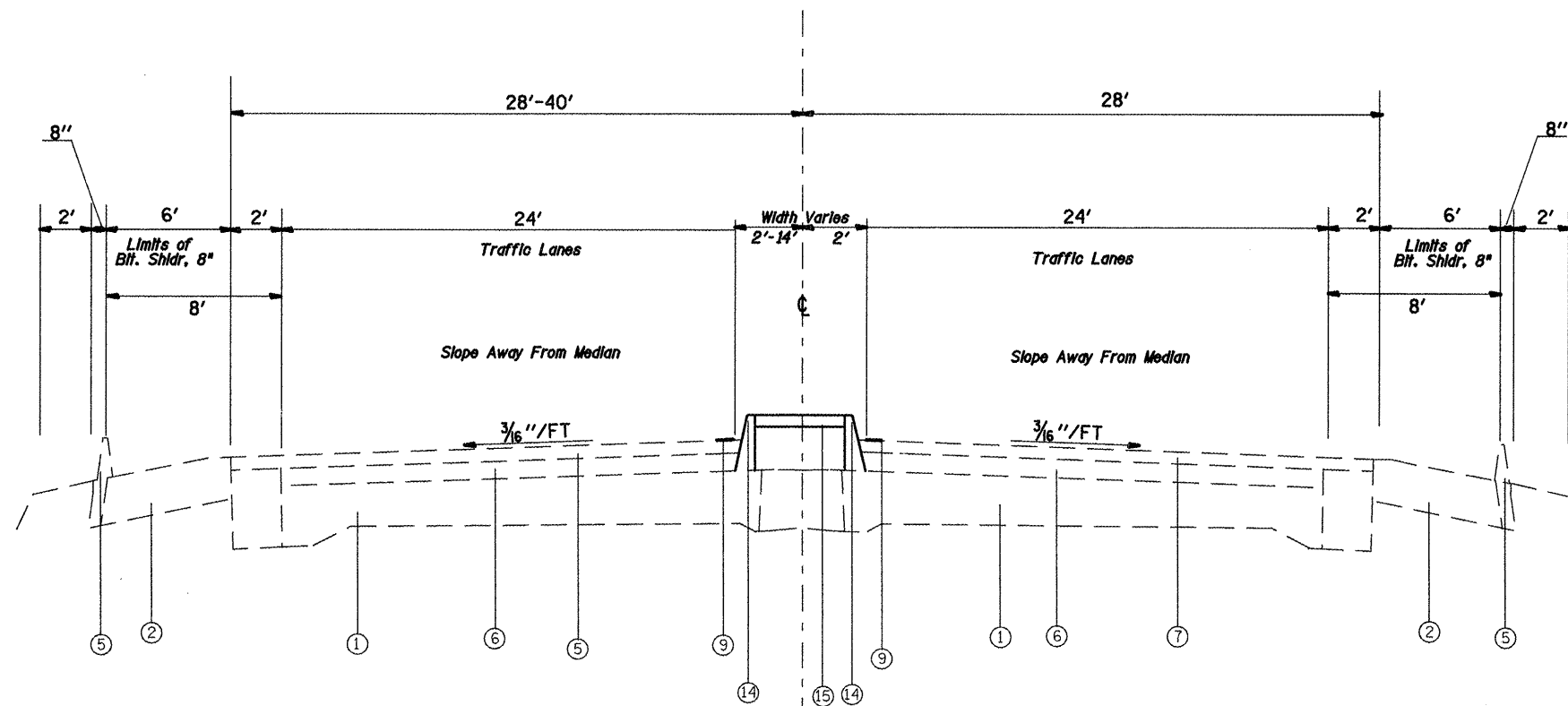
TYPICAL SECTIONS

SCALE: _____ SHEET NO. _____ OF _____ SHEETS

| | | | | |
|---|---------|-----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 103 | 28-II-1 | ST. CLAIR | 25 | 6 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 76D63 | |



EXISTING
FAP 103 (IL 15)
 STA. 267+09+0 270+40



PROPOSED
FAP 103 (IL 15)
 STA. 267+09+0 270+40

LEGEND

- ① EXISTING PORTLAND CONCRETE CEMENT PAVEMENT
- ② EXISTING BITUMINOUS SHOULDER (8")
- ③ EXISTING CONCRETE SOLID MEDIAN
- ④ EXISTING CONCRETE MEDIAN SURFACE
- ⑤ EXISTING BITUMINOUS CONCRETE CURB
- ⑥ EXISTING BITUMINOUS OVERLAY 3 1/2"
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- ⑨ EXISTING 4" SOLID YELLOW LINE
- ⑩ EXISTING WELDING WIRE FABRIC
- ⑪ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑬ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70
- ⑭ PROPOSED CONCRETE CURB, TYPE B (MODIFIED)
- ⑮ PROPOSED CONCRETE MEDIAN SURFACE, 4"
- ⑯ PROPOSED CONCRETE MEDIAN, TYPE SB (SEE TABLE)
- ⑰ PROPOSED CONCRETE MEDIAN, TYPE SM (SEE TABLE)
- ⑱ PROPOSED CONCRETE BARRIER, DOUBLE FACE, 32" HEIGHT

| | | | |
|-------------------------------------|----------------------------|------------|-----------|
| FILE NAME = | USER NAME = washington | DESIGNED - | REVISED - |
| or\pwwork\pwwid\washington\d0168383 | 4876d63-ah+plan.dgn | DRAWN - | REVISED - |
| | PLOT SCALE = 1/8" = 1' IN. | CHECKED - | REVISED - |
| | PLOT DATE = 3/18/2010 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | |
|-------------------------|---------------------------------|
| TYPICAL SECTIONS | |
| SCALE: _____ | SHEET NO. _____ OF _____ SHEETS |

| | | | | |
|---|-----------------|------------------|-----------------|-------------|
| F.A.P. RTE. 103 | SECTION 28-II-1 | COUNTY ST. CLAIR | TOTAL SHEETS 25 | SHEET NO. 7 |
| CONTRACT NO. 76D63 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| BITUMINOUS MATERIALS PRIME COAT | |
|---------------------------------|------------|
| STA. | QTY (TONS) |
| 235+10 - 250+92 EB | .17 |
| 235+10 - 250+92 WB | .17 |
| 275+35 - 314+40 EB | .41 |
| 275+35 - 314+40 WB | .41 |
| TOTAL | 1.16 |

| HMA SC "E" N90 | |
|--------------------|-----------|
| STA. | QTY (TON) |
| 235+10 - 250+92 EB | 59 |
| 235+10 - 250+92 WB | 59 |
| 275+35 - 314+40 EB | 145 |
| 275+35 - 314+40 WB | 145 |
| TOTAL | 408 |

| HMA SURF. REM., 2" | |
|--------------------|---------------|
| STA. | QTY (SQ. YD.) |
| 235+10 - 250+92 EB | 527 |
| 235+10 - 250+92 WB | 527 |
| 275+35 - 314+40 EB | 1302 |
| 27+35 - 314+40 WB | 1302 |
| TOTAL | 3658 |

| CURB REM | |
|--------------------|----------|
| STA. | QTY (FT) |
| 262+88 - 271+10 EB | 812 |
| 262+88 - 271+10 WB | 860 |
| TOTAL | 1,672 |

| MEDIAN REMOVAL | |
|-------------------|--------------|
| STA. | QTY (SQ. FT) |
| 262+88.5 - 271+10 | 5560 |
| TOTAL | 5560 |

| CONC CURB, TY B (MODIFIED) | |
|----------------------------|----------|
| STA. | QTY (FT) |
| 267+09 - 270+40 EB | 332 |
| 267+09 - 270+40 WB | 348 |
| TOTAL | 680 |

| CONC MEDIAN SURF 4 | |
|--------------------|---------------|
| STA. | QTY. (SQ. FT) |
| 267+09 - 270+40 | 3794 |
| TOTAL | 3794 |

| CONC MEDIAN, TY SB | |
|--------------------|-------------|
| STA. | QTY (SQ.FT) |
| 264+82 - 267+09 | 908 |
| TOTAL | 908 |

| CONC MEDIAN, TY SM | |
|--------------------|--------------|
| STA. | QTY (SQ. FT) |
| 262+88 - 264+82 | 776 |
| 270+40 - 271+10 | 350 |
| TOTAL | 1126 |

| SPBGR TY A, 6 FT POST | |
|-----------------------|----------|
| STA. | QTY (FT) |
| 282+15 - 282+45 WB | 30 |
| 271+00 - 271+30 EB | 30 |
| TOTAL | 60 |

| GUARDRAIL REMOV | |
|--------------------|----------|
| STA. | QTY (FT) |
| 262+89 - 264+91 EB | 202 |
| 262+89 - 264+91 WB | 202 |
| 271+00 - 271+30 EB | 30 |
| 282+15 - 282+45 WB | 30 |
| TOTAL | 464 |

| CONC BAR 2F 32HT | |
|------------------|----------|
| STA. | QTY (FT) |
| 235+10 - 250+92 | 1582 |
| 275+35 - 314+40 | 3905 |
| TOTAL | 5487 |

| SIGN PANEL T1 | |
|---------------|--------------|
| STA. | QTY (SQ. FT) |
| 267+67 | 4 |
| 270+16 | 9 |
| TOTAL | 13 |

| REMOV SIGN PANEL ASSEMBLY - TY A | |
|----------------------------------|------|
| STA. | EACH |
| 267+67 | 1 |
| 270+16 | 1 |
| TOTAL | 2 |

| TELES STL SIN SUPPORT | |
|-----------------------|----------|
| STA. | QTY (FT) |
| 267+67 | 8.5 |
| 270+16 | 9.75 |
| TOTAL | 18.25 |

| BASE TEL STL SIN SUPP | |
|-----------------------|------------|
| STA. | QTY (EACH) |
| 267+67 | 1 |
| 270+16 | 1 |
| TOTAL | 2 |

| PRISMATIC CURB REFLECTOR | |
|--------------------------|------------|
| STA. | QTY (EACH) |
| 263+00 - 271+10 EB | 10 |
| 263+00 - 271+10 WB | 10 |
| TOTAL | 20 |

| GUARDRAIL MARKERS, TYPE A | |
|---------------------------|------------|
| STA. | QTY (EACH) |
| 263+91 - 264+07 EB | 2 |
| 263+91 - 264+07 WB | 2 |
| TOTAL | 4 |

| BARRIER WALL MARKERS, TYPE C | |
|------------------------------|------------|
| STA. | QTY (EACH) |
| 235+10 - 250+92 | 8 |
| 274+93 - 314+40 | 13 |
| TOTAL | 21 |

| LOCATING UNDERGROUND CABLES | |
|-----------------------------|-----------|
| STA. | QTY (FT) |
| 262+88 - 271+70 | 882 |
| TOTAL | 882 |

| CONC. BARRIER REM SPL | |
|-----------------------|-----------|
| STA. | QTY (FT) |
| 235+10 - 250+92 | 1582 |
| 275+35 - 314+40 | 3905 |
| TOTAL | 5487 |

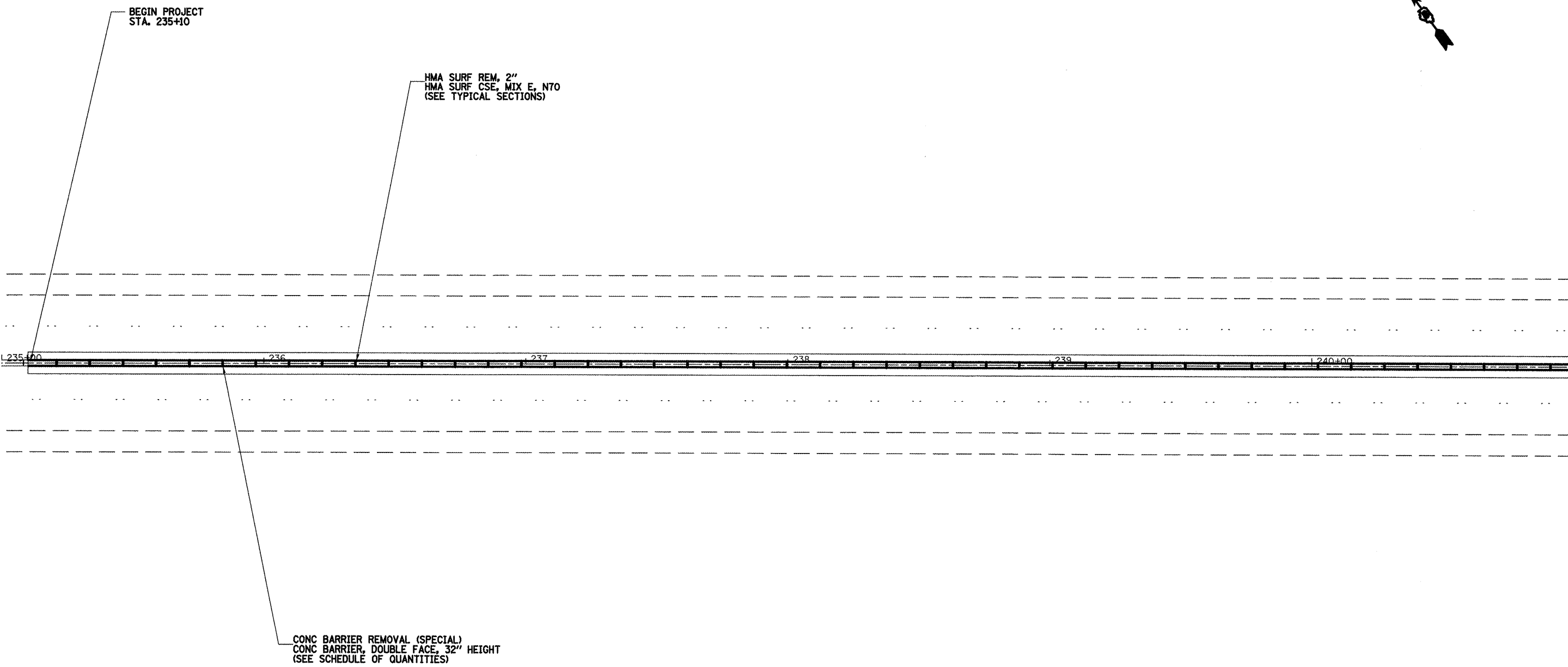
| PAINT PAVEMENT MARKING CURB | |
|-----------------------------|----------|
| STA. | QTY (FT) |
| 251+22 - 251+32 | 10 |
| 261+95 - 262+00 | 5 |
| 262+88 - 262+94 | 6 |
| 271+04 - 271+10 | 6 |
| TOTAL | 27 |

| GUARDRAIL SPECIAL | |
|--------------------|----------|
| STA. | QTY (FT) |
| 263+91 - 264+07 EB | 16 |
| 263+91 - 264+07 WB | 16 |
| TOTAL | 32 |

| IMP ATTEN FRD TL3 | |
|-------------------|------------|
| STA. | QTY (EACH) |
| 264+11 | 1 |
| TOTAL | 1 |

| IMP ATTEN RELOC. FRD TL3 | |
|--------------------------|------------|
| STA. | QTY (EACH) |
| 263+88** | 1 |
| TOTAL | 1 |

** : EXISTING IMPACT ATTENUATOR LOCATED AT STA. 262+88 TO BE RELOCATED TO STA. 263+88.



MATCHLINE STA 241+00

*NOTE - PAVEMENT MARKING SHALL NOT BE DISTURBED DURING HMA SURFACE REMOVAL



| | | | | | | | | | | | |
|---|--|-----------------------|------------------------|---|-------------------|---------------------|---|---------------------------|---------------------|-----------------------|--------------------|
| FILE NAME = c:\pwwork\pwwork\washingtona\0168383 | USER NAME = washingtona 0876d63-ah-plot.dgn | DESIGNED - DRAWN - | REVISED - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PLAN SHEET | | F.A.P. RTE. 103 | SECTION 28-II-1 | COUNTY ST. CLAIR | TOTAL SHEETS 25 | SHEET NO. 10 |
| | PLOT SCALE = 40,0000' / IN. | CHECKED - | REVISED - | | SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. 235+00 TO STA. 241+00 | CONTRACT NO. 76063 | | | |
| | PLOT DATE = 3/18/2010 | DATE - | REVISED - | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |
| | | | | | | | | | | | |



MATCHLINE STA 241+00

MATCHLINE STA 247+00

HMA SURF REM, 2"
HMA SURF CSE, MIX E, N70
(SEE TYPICAL SECTIONS)

RAMP 2

RAMP 3

CONC BARRIER REMOVAL (SPECIAL)
CONC BARRIER, DOUBLE FACE, 32" HEIGHT
(SEE SCHEDULE OF QUANTITIES)

IL RTE. 15

NOTE - PAVEMENT MARKING SHALL NOT BE DISTURBED DURING HMA SURFACE REMOVAL

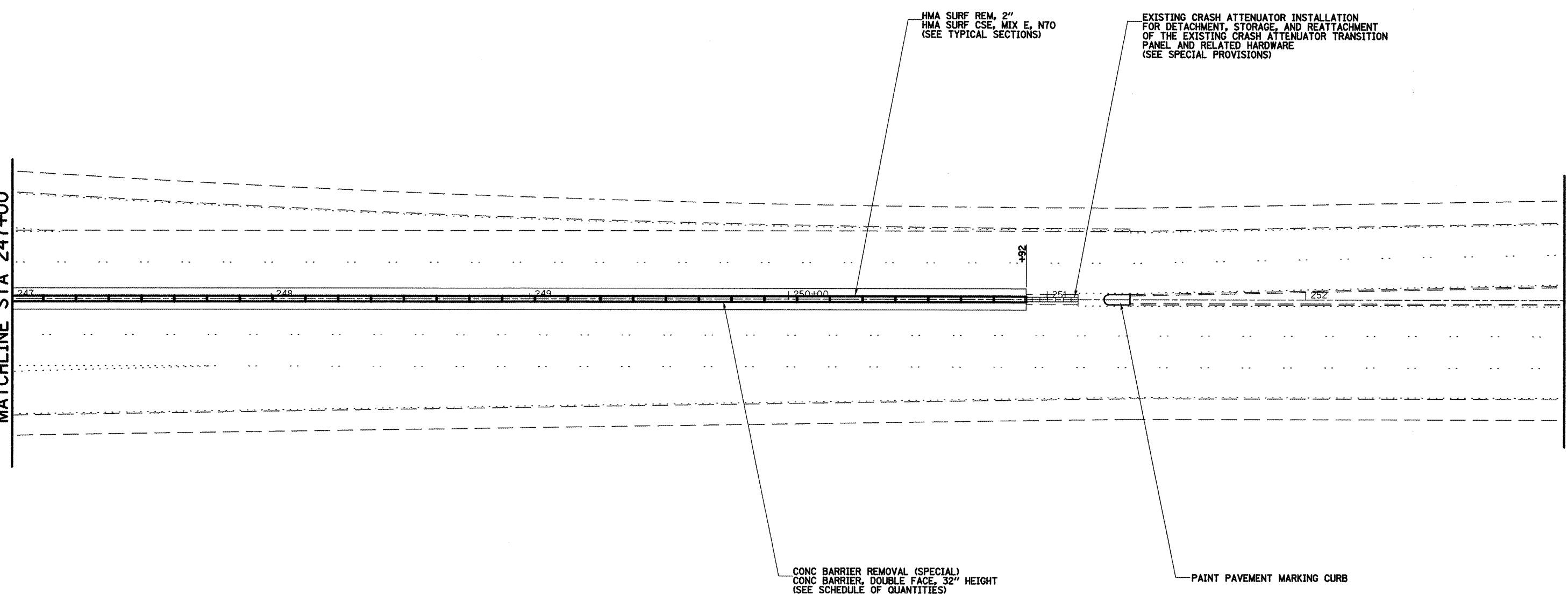


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|---|---|-----------------------|------------------------|---|-------------------|---------------------|----------------------------|--------------------|---------------------|---|--------------------|--|
| FILE NAME = c:\pwwork\pwwork\washingtona\8168383 | USER NAME = washingtona 8976d63-sht-plan.dgn | DESIGNED - DRAWN - | REVISED - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PLAN SHEET | | F.A.P. RTE. 103 | SECTION 28-11-1 | COUNTY ST. CLAIR | TOTAL SHEETS 25 | SHEET NO. 11 | |
| PLOT SCALE = 40,0000' / IN. | | CHECKED - | REVISED - | | SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. 241+00 TO STA. 247+00 | CONTRACT NO. 76063 | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | |
| PLOT DATE = 3/19/2018 | | DATE - | REVISED - | | | | | | | | | |
| | | | | | | | | | | | | |



MATCHLINE STA 247+00

MATCHLINE STA 253+00



•NOTE - PAVEMENT MARKING SHALL NOT BE DISTURBED DURING HMA SURFACE REMOVAL

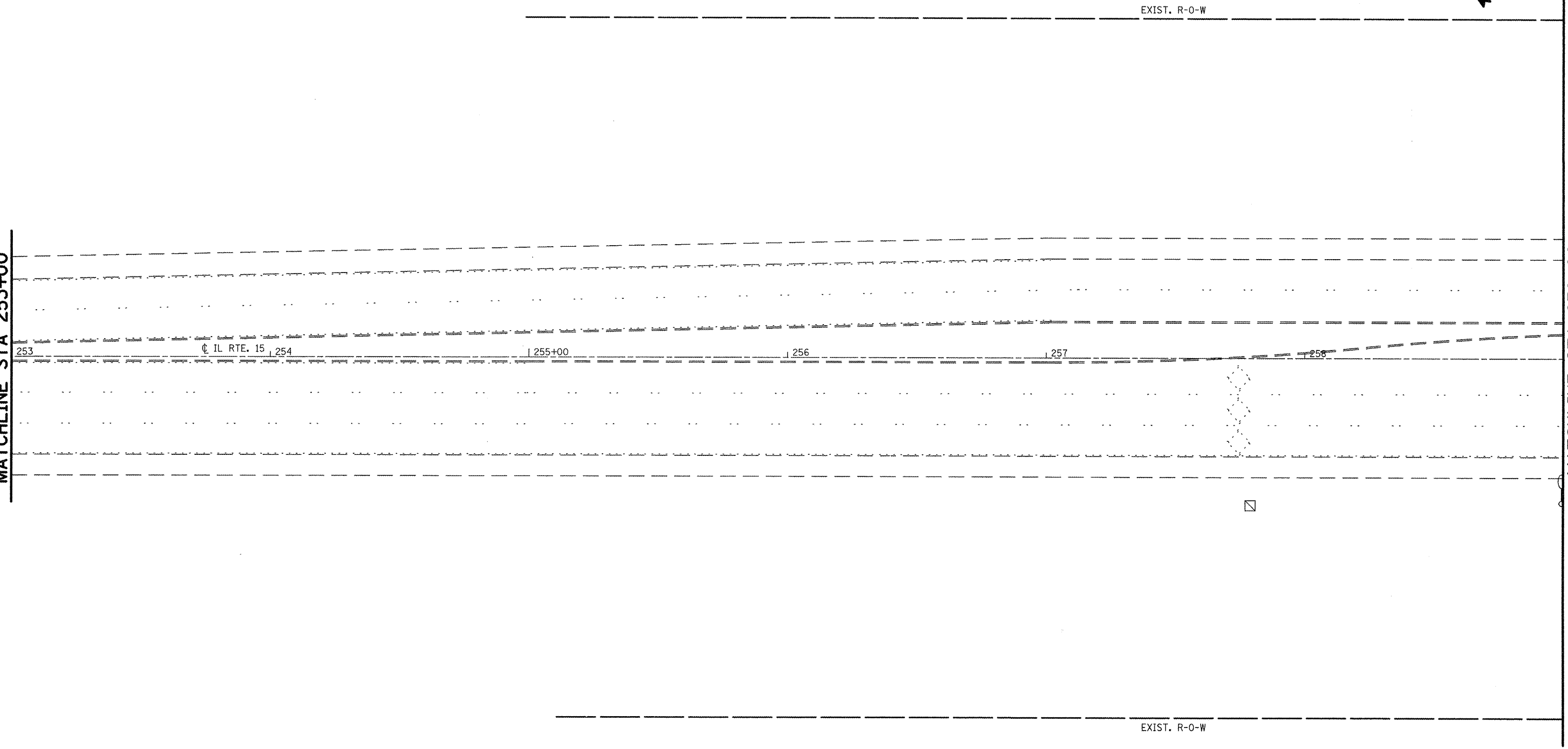


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|---------------------------------------|-----------------------------|------------|-----------|---|---|---------|---------------------|---------|----------------------------|--------------|--------------------|--|
| FILE NAME = | USER NAME = washingtonq | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PLAN SHEET | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| ca\pwwork\pwwork\washingtonq\d8168383 | #876d63-ahc-plan.dgn | DRAWN - | REVISED - | | 103 | 28-11-1 | ST. CLAIR | 25 | 12 | | | |
| | PLOT SCALE = 48,0000' / IN. | CHECKED - | REVISED - | | SCALE: 1" = 20' | | SHEET NO. OF SHEETS | | STA. 247+00 TO STA. 253+00 | | CONTRACT NO. 76063 | |
| | PLOT DATE = 3/18/2010 | DATE - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |



MATCHLINE STA 253+00

MATCHLINE STA 259+00



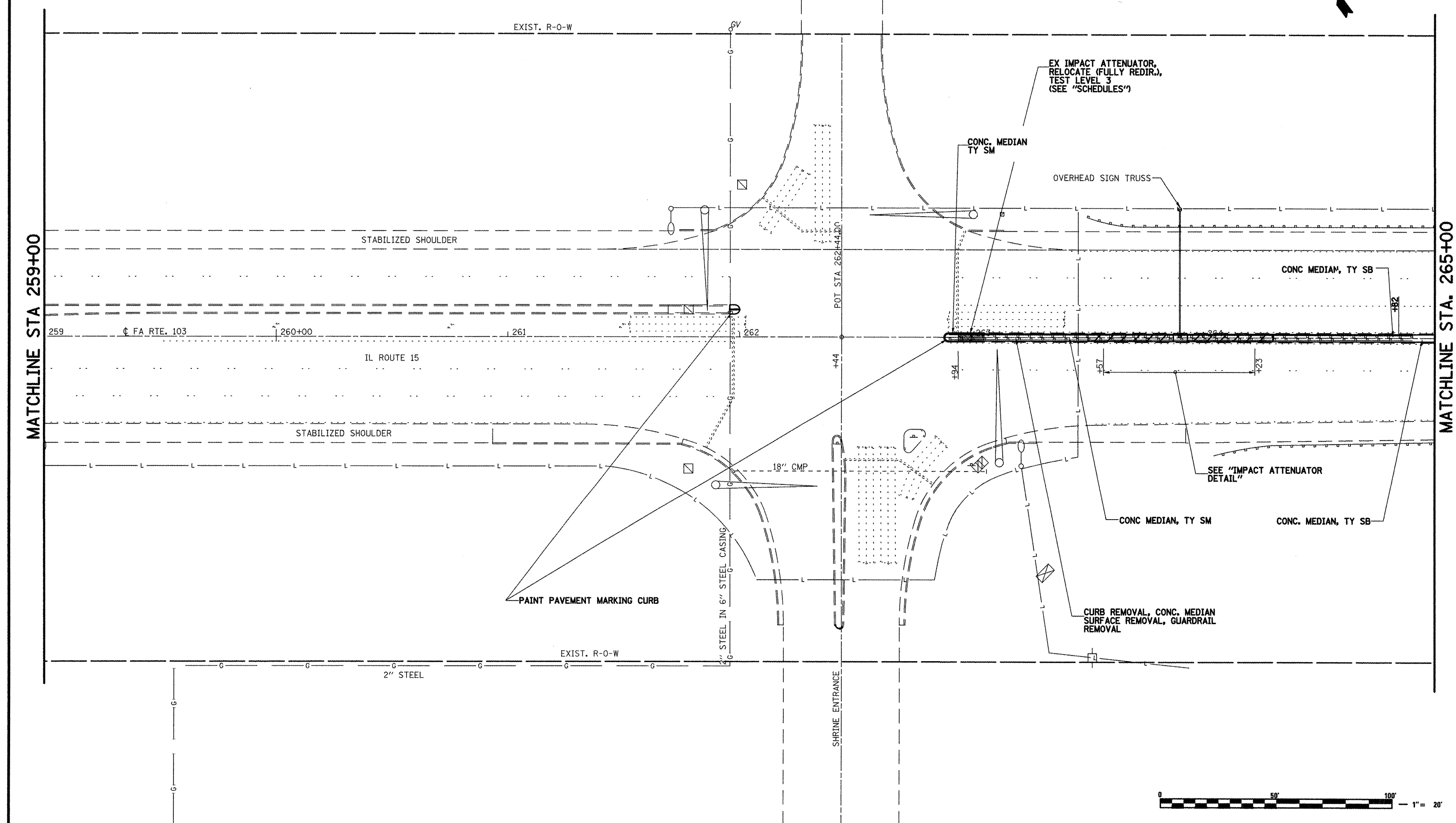
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| FILE NAME = | USER NAME = washingtonq | DESIGNED - | REVISED - |
| er\pwwork\pwwork\washingtonq\d0168383 | 4876d63-ah-plant.dgn | DRAWN - | REVISED - |
| | PLOT SCALE = 40.0000' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 3/19/2010 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 1" = 20' SHEET NO. ___ OF ___ SHEETS STA. 253+00 TO STA. 259+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|-----------|---------------------------|-----------|
| 103 | 28-11-1 | ST. CLAIR | 25 | 13 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 76063 | |

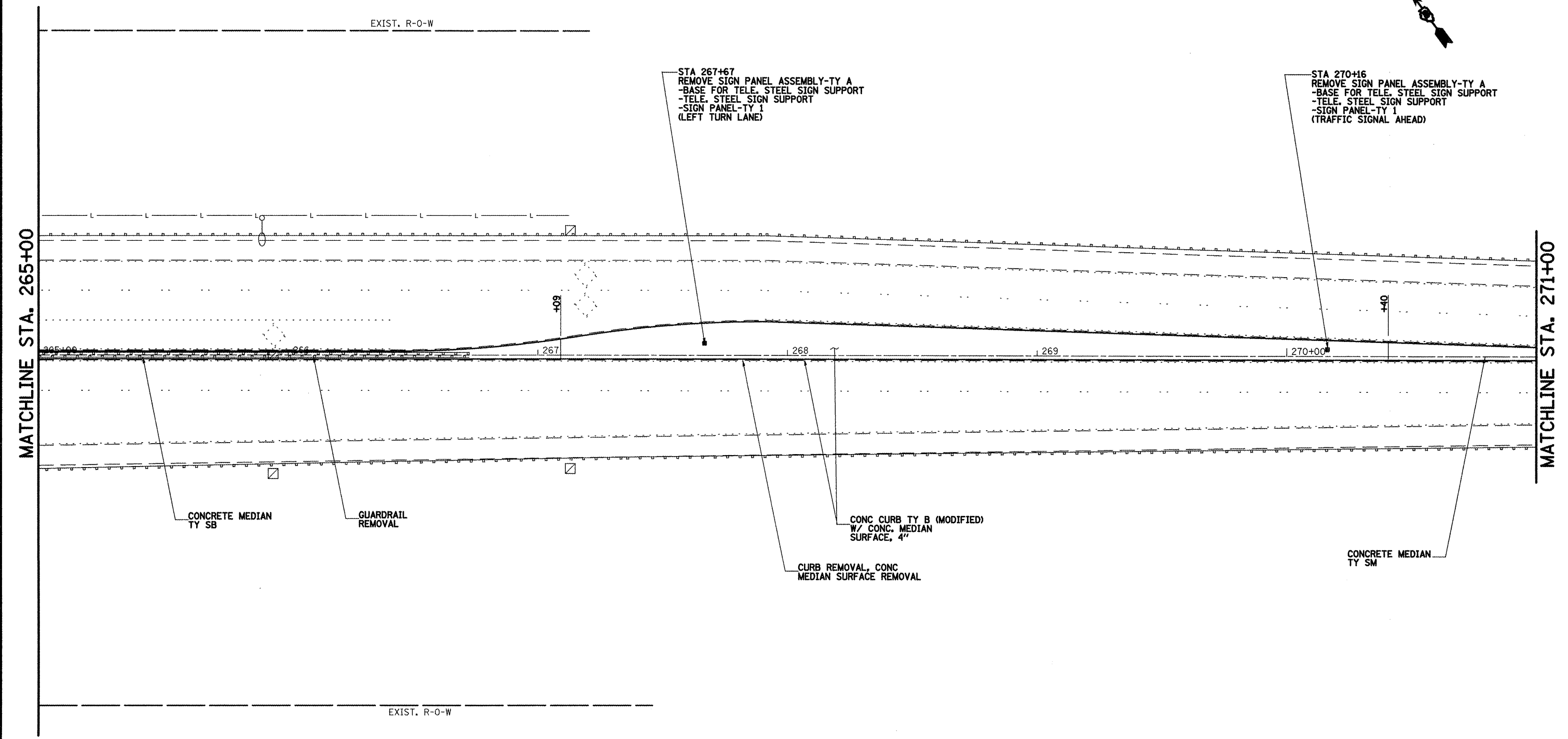


MATCHLINE STA 259+00

MATCHLINE STA. 265+00



| | | | | | | | | | | | | |
|--|---|-----------------------|------------------------|---|---|---------------------|----------------------------|---------------------------|---------------------|--------------------|-----------------|--|
| FILE NAME = c:\pwwork\pwwork\washingtona\d0168383 | USER NAME = washingtona d076d63-sht-plan.dgn | DESIGNED - DRAWN - | REVISED - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PLAN SHEET | | F.A.P. RTE. 103 | SECTION 28-11-1 | COUNTY ST. CLAIR | TOTAL SHEETS 25 | SHEET NO. 14 | |
| PLOT SCALE = 40,0000' / IN. | | CHECKED - | REVISED - | | SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. 259+00 TO STA. 265+00 | CONTRACT NO. 76D63 | | | | |
| PLOT DATE = 3/18/2018 | | DATE - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |
| | | | | | | | | | | | | |



MATCHLINE STA. 265+00

MATCHLINE STA. 271+00



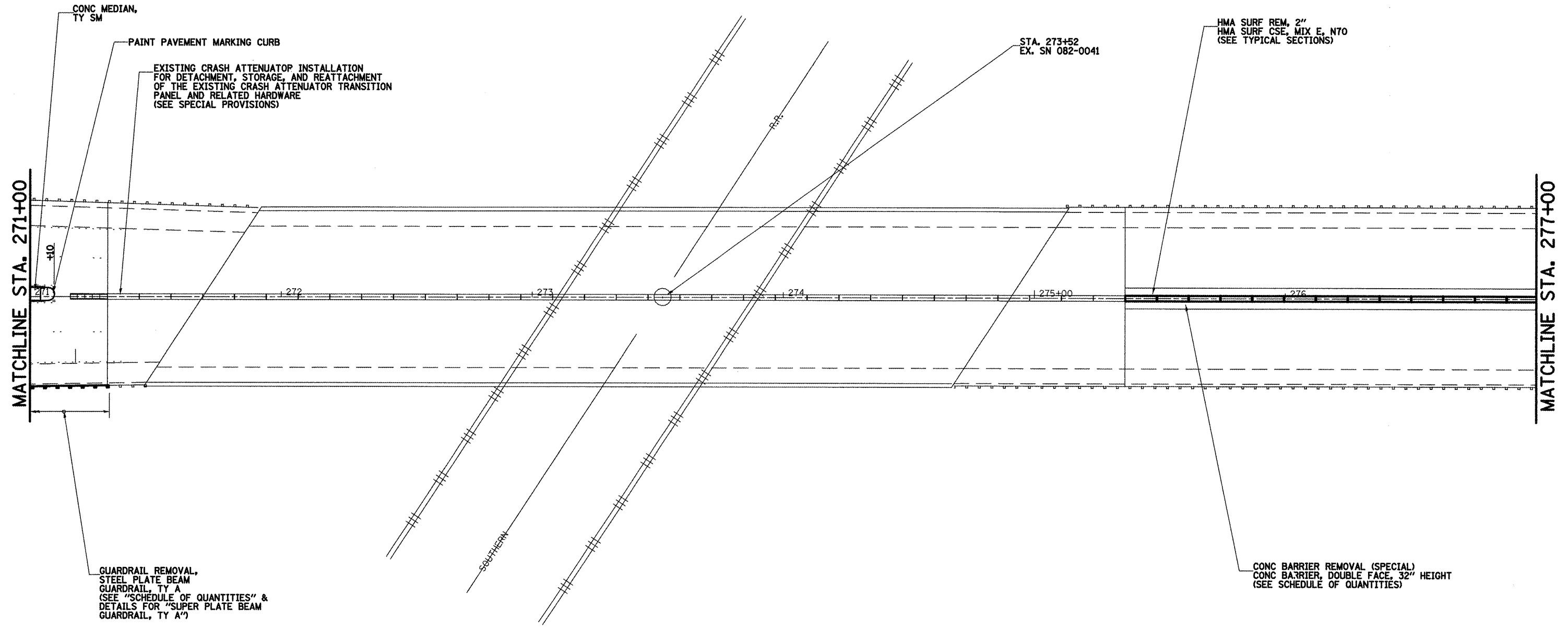
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| FILE NAME = | USER NAME = washingtonaq | DESIGNED - | REVISED - |
| cr\pwork\pwork\washingtonaq\d8168383 | 4876463-shk-plan.dgn | DRAWN - | REVISED - |
| | PLOT SCALE = 48.0000' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 3/18/2010 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 265+00 TO STA. 271+00

| | | | | |
|--|---------|-----------|-----------------|--------------|
| F.A.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 103 | 28-11-1 | ST. CLAIR | 25 | 15 |
| CONTRACT NO. 76063 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



NOTE - PAVEMENT MARKING SHALL NOT BE DISTURBED DURING HMA SURFACE REMOVAL

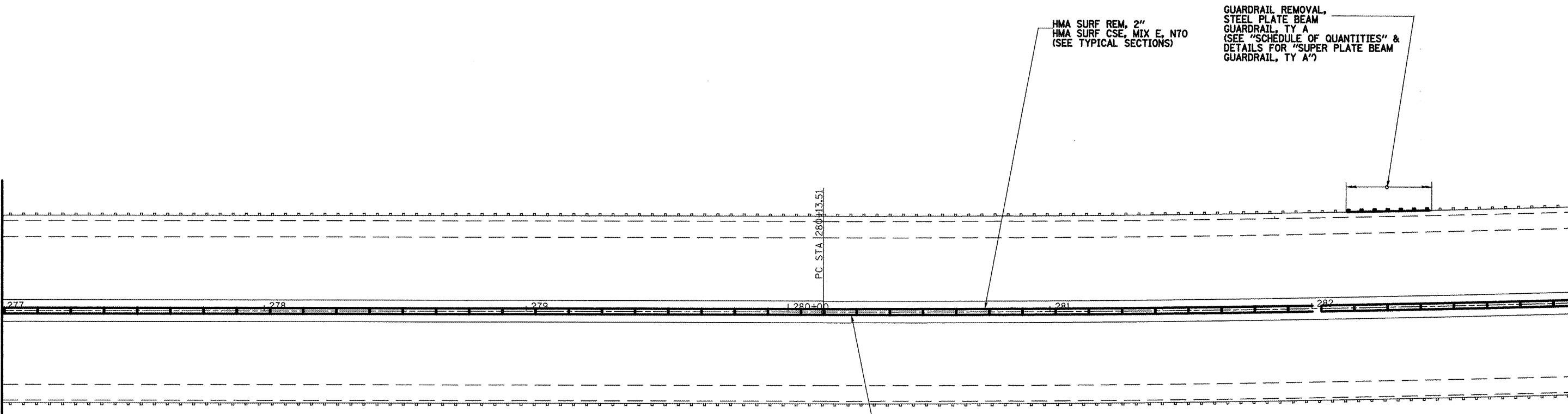


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| PLOT SCALE = 48.0000' / IN. | CHECKED - | REVISED - | REVISED - | | SCALE: 1" = 20' | SHEET NO. ___ OF ___ SHEETS | STA. 271+00 | TO STA. 277+00 | CONTRACT NO. 76D63 | | | | |
| PLOT DATE = 3/18/2018 | DATE - | REVISED - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | | |
| | | | | | | | | | | | | | |



MATCHLINE STA. 277+00

MATCHLINE 283+00



HMA SURF REM. 2"
HMA SURF CSE. MIX E. N70
(SEE TYPICAL SECTIONS)

GUARDRAIL REMOVAL,
STEEL PLATE BEAM
GUARDRAIL, TY A
(SEE "SCHEDULE OF QUANTITIES" &
DETAILS FOR "SUPER PLATE BEAM
GUARDRAIL, TY A")

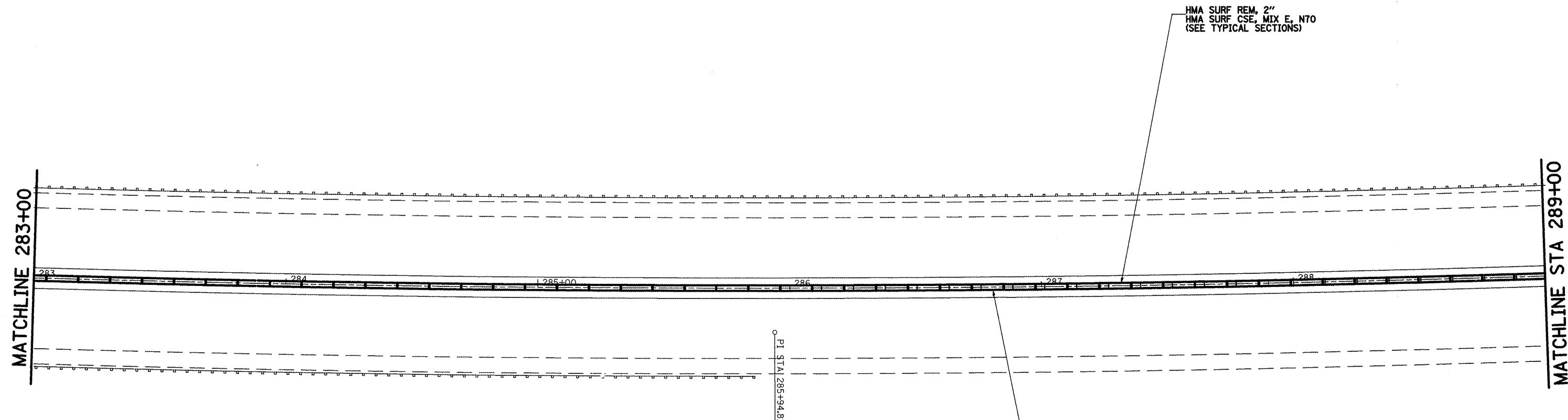
CONC BARRIER REMOVAL (SPECIAL)
CONC BARRIER, DOUBLE FACE, 32" HEIGHT
(SEE SCHEDULE OF QUANTITIES)

EXIST. CURVE IL15GG-1
PI STA. = 285+94.81
 $\Delta = 6^\circ 58' 00''$ (LT)
D = $0^\circ 36' 00''$
R = 9,549.80'
T = 581.30'
L = 1,161.17'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 280+13.51
P.T. STA. = 291+74.68

*NOTE - PAVEMENT MARKING SHALL NOT BE DISTURBED DURING HMA SURFACE REMOVAL



| | | | | | | | | | | | | |
|--|---|-----------------------|------------------------|---|---|-----------------------------|----------------------------|---------------------------|--------------------|---------------------|-----------------------|--------------------|
| FILE NAME = c:\pwwork\pwwork\washingtona\08168383 | USER NAME = washingtona 0878d63-shr-plan.dgn | DESIGNED - DRAWN - | REVISED - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PLAN SHEET | | | F.A.P. RTE. 103 | SECTION 28-11-1 | COUNTY ST. CLAIR | TOTAL SHEETS 25 | SHEET NO. 17 |
| | | | | | SCALE: 1" = 20' | SHEET NO. ___ OF ___ SHEETS | STA. 277+00 TO STA. 283+00 | CONTRACT NO. 76D63 | | | | |
| | | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |
| | | | | | | | | | | | | |



CONC BARRIER REMOVAL (SPECIAL)
 CONC BARRIER, DOUBLE FACE, 32" HEIGHT
 (SEE SCHEDULE OF QUANTITIES)

EXIST. CURVE IL15GG-1
 PI STA. = 285+94.81
 Δ = 6° 58' 00" (LT)
 D = 0° 36' 00"
 R = 9,549.80'
 T = 581.30'
 L = 1,161.17'
 E = 17.68'
 E = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 280+13.51
 P.T. STA. = 291+74.68

*NOTE - PAVEMENT MARKING SHALL NOT BE DISTURBED DURING HMA SURFACE REMOVAL

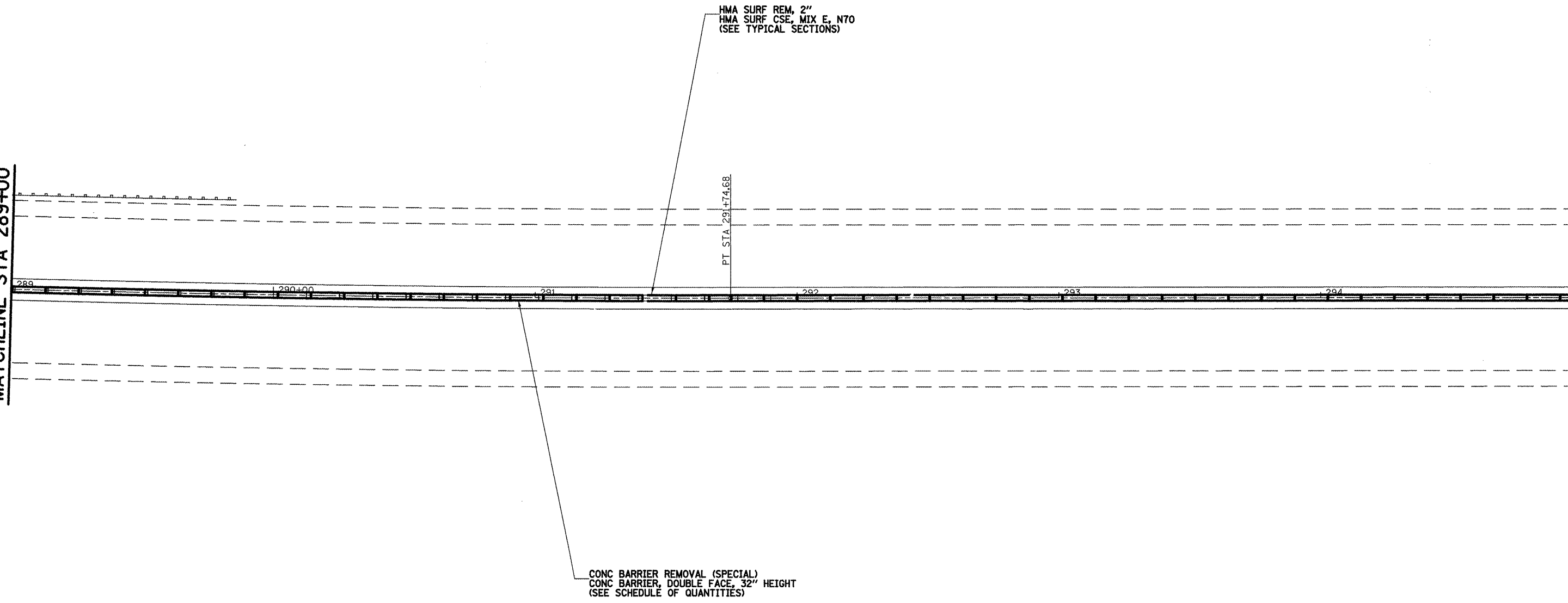


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|---|--|---------------------------------|----------------------------------|---|---|-----------------------------|----------------------------|---------------------------|--------------------|---------------------|-----------------------|--------------------|
| FILE NAME = ca\pwwork\pww\dot\washington\8168383 | USER NAME = washingtonq 876d63-shh-plan.dgn | DESIGNED - ---- DRAWN - ---- | REVISED - ---- REVISED - ---- | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PLAN SHEET | | | F.A.R. RTE. 103 | SECTION 28-11-1 | COUNTY ST. CLAIR | TOTAL SHEETS 25 | SHEET NO. 18 |
| PLOT SCALE = 48,0000' / IN. | | CHECKED - ---- | REVISED - ---- | | SCALE: 1" = 20' | SHEET NO. ___ OF ___ SHEETS | STA. 283+00 TO STA. 289+00 | CONTRACT NO. 76063 | | | | |
| PLOT DATE = 3/18/2018 | | DATE - ---- | REVISED - ---- | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |
| | | | | | | | | | | | | |



MATCHLINE STA 289+00

MATCHLINE STA 295+00



HMA SURF REM, 2"
HMA SURF CSE, MIX E, N70
(SEE TYPICAL SECTIONS)

PT STA 291+74.68

CONC BARRIER REMOVAL (SPECIAL)
CONC BARRIER, DOUBLE FACE, 32" HEIGHT
(SEE SCHEDULE OF QUANTITIES)

EXIST. CURVE IL15GG-1
PI STA. = 285+94.81
 $\Delta = 6^\circ 58' 00''$ (LT)
D = $0^\circ 36' 00''$
R = 9,549.80'
T = 581.30'
L = 1,161.17'
E = 17.68'
E = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 280+13.51
P.T. STA. = 291+74.68

*NOTE - PAVEMENT MARKING SHALL NOT BE DISTURBED DURING HMA SURFACE REMOVAL

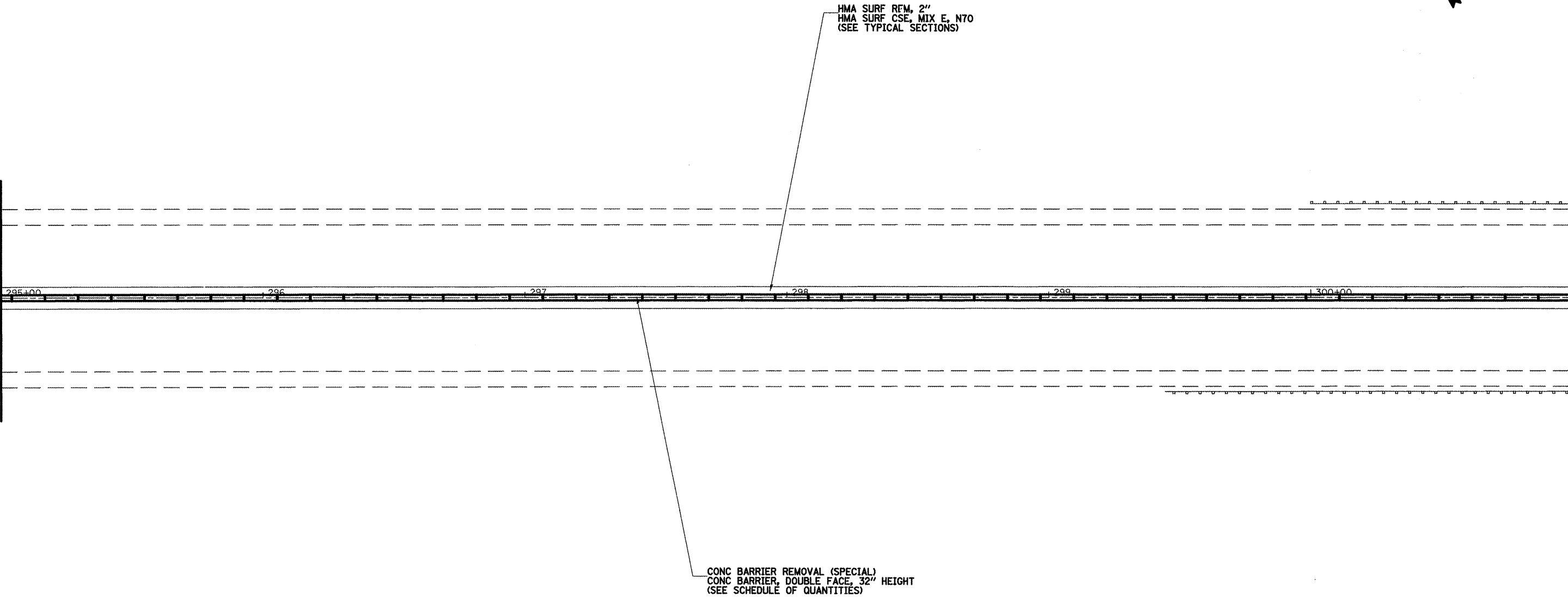


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|---|--|-----------------------|------------------------|---|---|-----------------------------|----------------------------|---------------------------|---------------------|--------------------|-----------------|--|
| FILE NAME = ca\pwwork\pwwork\washingtona\8168383 | USER NAME = washingtona 876d63-shr-plan.dgn | DESIGNED - DRAWN - | REVISED - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PLAN SHEET | | F.A.P. RTE. 103 | SECTION 28-11-1 | COUNTY ST. CLAIR | TOTAL SHEETS 25 | SHEET NO. 19 | |
| PLOT SCALE = 40,0000 ' / IN. | | CHECKED - | REVISED - | | SCALE: 1" = 20' | SHEET NO. ___ OF ___ SHEETS | STA. 289+00 TO STA. 295+00 | CONTRACT NO. 76D63 | | | | |
| PLOT DATE = 3/19/2018 | | DATE - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |
| | | | | | | | | | | | | |

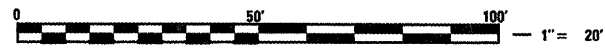


MATCHLINE STA 295+00

MATCHLINE STA 301+00



*NOTE - PAVEMENT MARKING SHALL NOT BE DISTURBED DURING HMA SURFACE REMOVAL

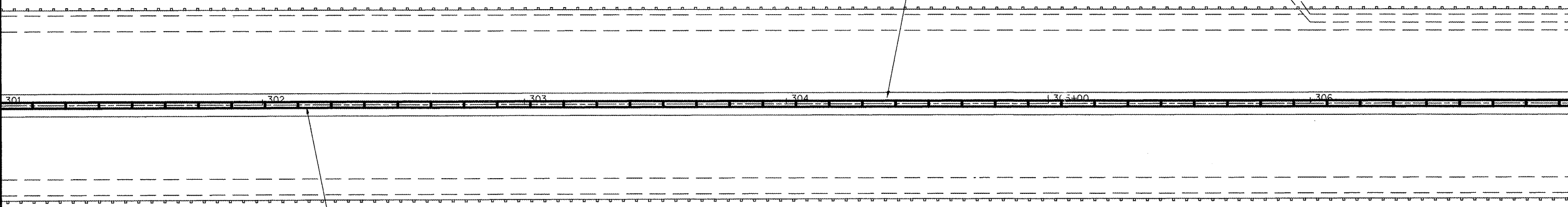


| | | | | | | | | | | | | |
|---|--|-----------------------|------------------------|---|---|-----------------------------|----------------------------|---------------------------|---------------------|--------------------|-----------------|--|
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| | PLOT SCALE = 40,000' / IN. | CHECKED - | REVISED - | | SCALE: 1" = 20' | SHEET NO. ___ OF ___ SHEETS | STA. 295+00 TO STA. 301+00 | CONTRACT NO. 76D63 | | | | |
| | PLOT DATE = 3/19/2010 | DATE - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |
| | | | | | | | | | | | | |



MATCHLINE STA 301+00

MATCHLINE STA 307+00



CONC BARRIER REMOVAL (SPECIAL)
CONC BARRIER, DOUBLE FACE, 32" HEIGHT
(SEE SCHEDULE OF QUANTITIES)

HMA SURF REM. 2"
HMA SURF CSE, MIX E, N70
(SEE TYPICAL SECTIONS)

NOTE - PAVEMENT MARKING SHALL NOT BE DISTURBED DURING HMA SURFACE REMOVAL



| | | | |
|---|-----------------------------|------------|----------|
| FILE NAME = | USER NAME = washingtonaq | DESIGNED - | REVISD - |
| ce\pw_work\pwidot\washingtonaq\d8168383 | 3878d63-shr-plan.dgn | DRAWN - | REVISD - |
| | PLOT SCALE = 40.0000' / IN. | CHECKED - | REVISD - |
| | PLOT DATE = 3/18/2018 | DATE - | REVISD - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 1" = 20' SHEET NO. ___ OF ___ SHEETS STA. 301+00 TO STA. 307+00

| | | | | |
|---|---------|-----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 103 | 28-11-1 | ST. CLAIR | 25 | 21 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 76D63 | |

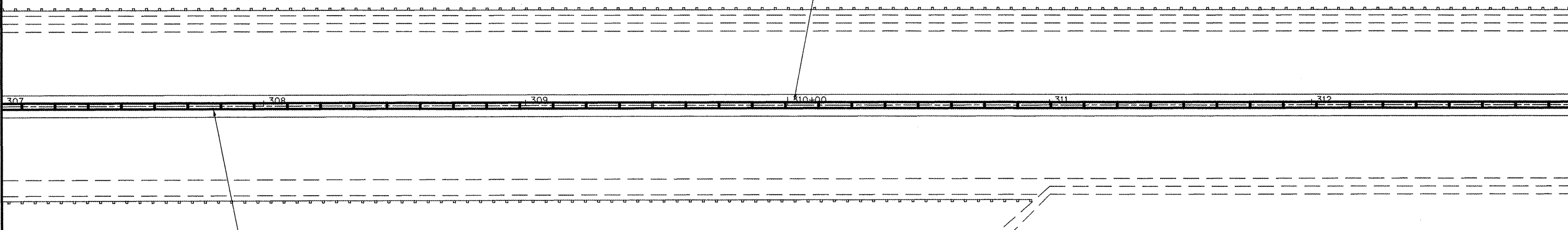


MATCHLINE STA 307+00

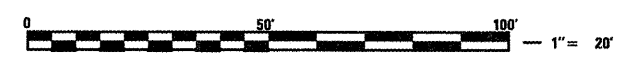
MATCHLINE STA 313+00

HMA SURF REM, 2"
HMA SURF CSE, MIX E, N70
(SEE TYPICAL SECTIONS)

CONC BARRIER REMOVAL (SPECIAL)
CONC BARRIER, DOUBLE FACE, 32" HEIGHT
(SEE SCHEDULE OF QUANTITIES)

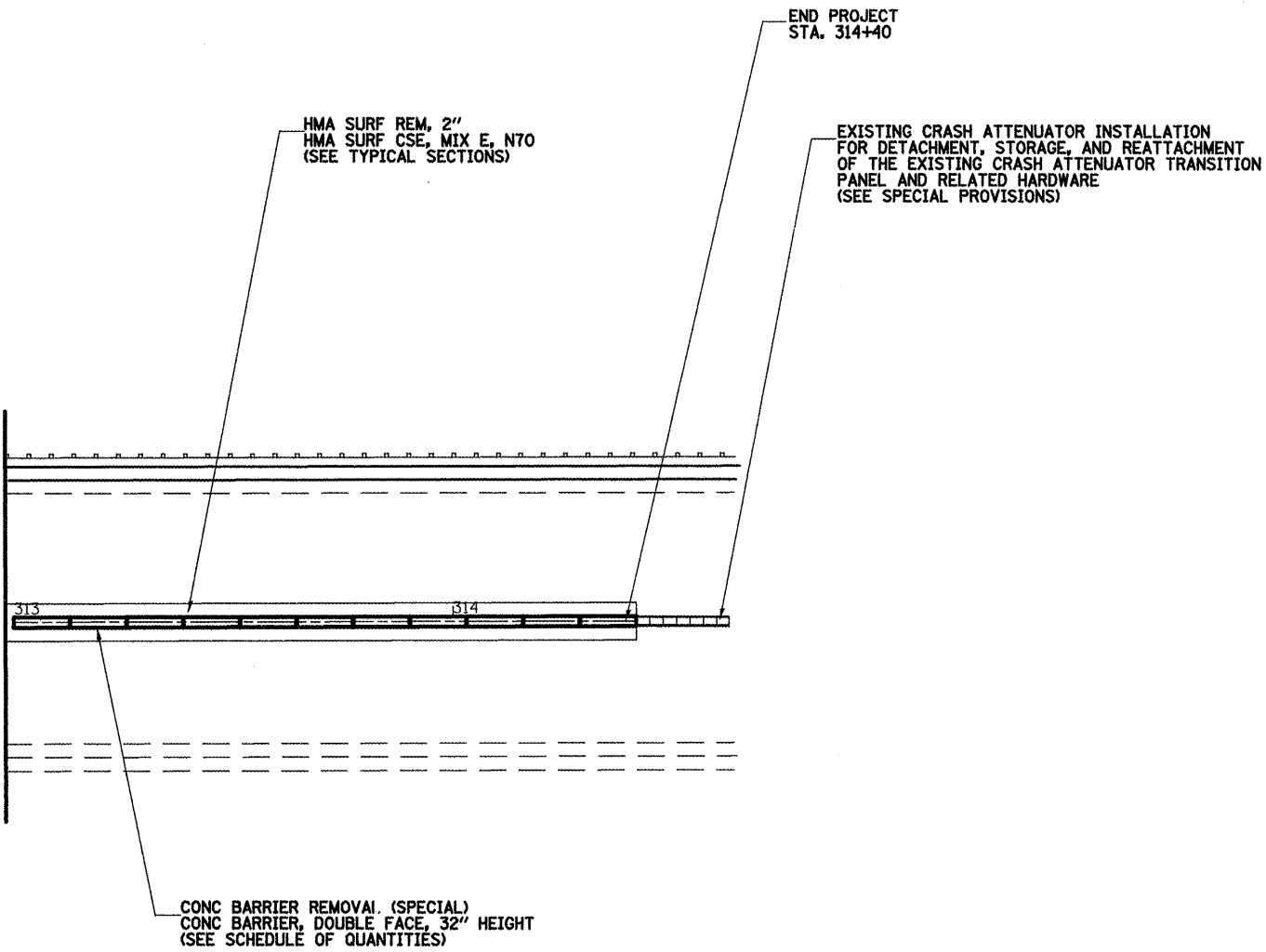


•NOTE - PAVEMENT MARKING SHALL NOT BE DISTURBED DURING HMA SURFACE REMOVAL



| | | | | | | | | | | | | |
|---|---|---------------------------------|----------------------------------|---|---|----------------------------|-----------------------|--------------------|---------------------------|-----------------------|--------------------|--|
| FILE NAME = ca:\pwr\work\pwr\dot\washington\08168383 | USER NAME = washingtonq 4876d63-shr-plan.dgn | DESIGNED - ---- DRAWN - ---- | REVISED - ---- REVISED - ---- | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PLAN SHEET | | F.A.P. RTE. 103 | SECTION 28-11-1 | COUNTY ST. CLAIR | TOTAL SHEETS 25 | SHEET NO. 22 | |
| | PLOT SCALE = 39,9943 ' / IN. | CHECKED - ---- | REVISED - ---- | | SCALE: 1" = 20' | SHEET NO. -- OF --- SHEETS | STA. 307+00 | TO STA. 313+00 | CONTRACT NO. 76D63 | | | |
| | PLOT DATE = 3/18/2018 | DATE - ---- | REVISED - ---- | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |
| | | | | | | | | | | | | |

MATCHLINE STA 313+00



END PROJECT
STA. 314+40



*NOTE - PAVEMENT MARKING SHALL NOT BE DISTURBED DURING HMA SURFACE REMOVAL



| | | | |
|--|-----------------------------|------------|-----------|
| FILE NAME = | USER NAME = washingtonaq | DESIGNED - | REVISED - |
| ct:\pw_work\pwidot\washingtonaq\d8168383 | 8876d63-ah-plot.dgn | DRAWN - | REVISED - |
| | PLOT SCALE = 39,9943' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 3/19/2018 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 1" = 20' SHEET NO. ___ OF ___ SHEETS STA. 307+00 TO STA. 313+00

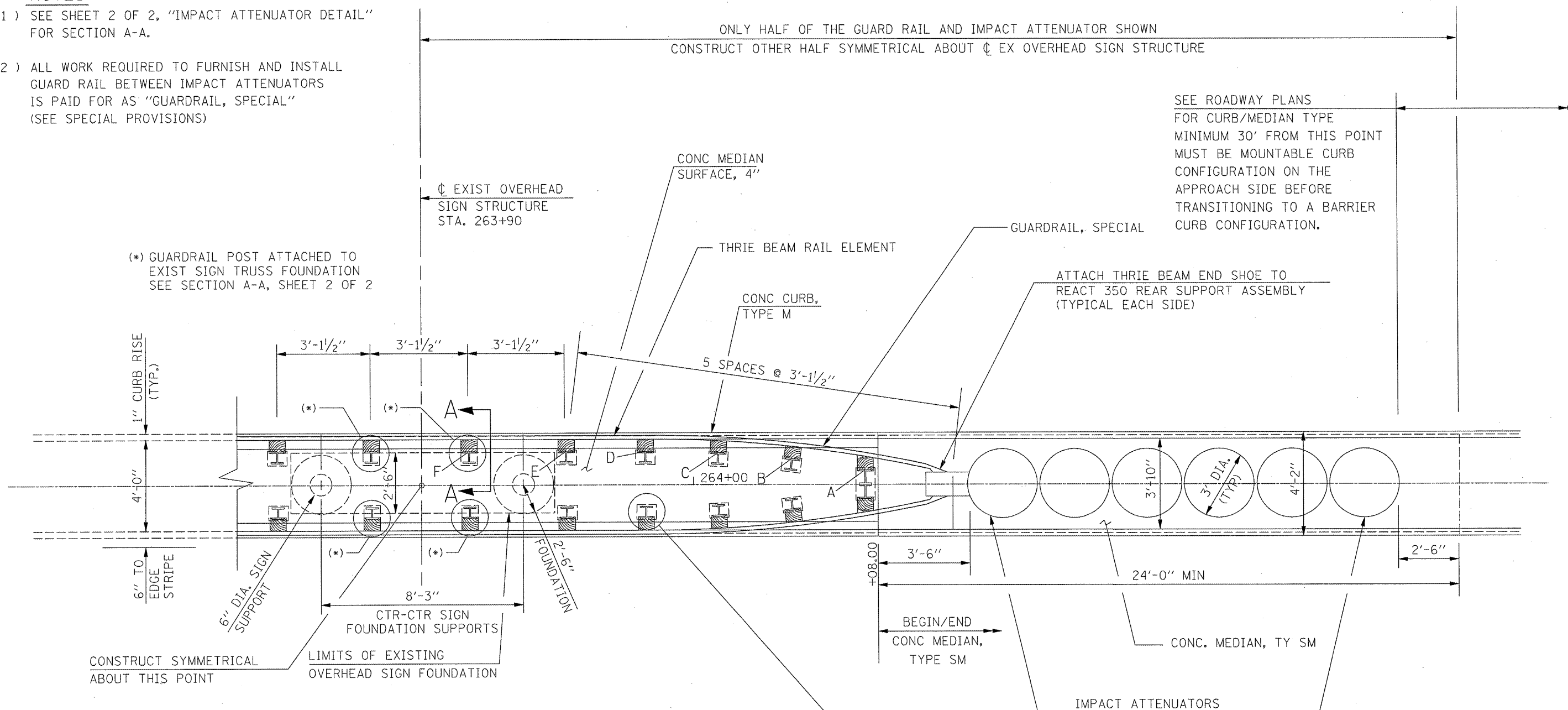
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|-----------|--------------|-----------|
| 103 | 28-11-1 | ST. CLAIR | 25 | 23 |
| CONTRACT NO. 76D63 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

NOTES

- (1) SEE SHEET 2 OF 2, "IMPACT ATTENUATOR DETAIL" FOR SECTION A-A.
- (2) ALL WORK REQUIRED TO FURNISH AND INSTALL GUARD RAIL BETWEEN IMPACT ATTENUATORS IS PAID FOR AS "GUARDRAIL, SPECIAL" (SEE SPECIAL PROVISIONS)

(*) GUARDRAIL POST ATTACHED TO EXIST SIGN TRUSS FOUNDATION SEE SECTION A-A, SHEET 2 OF 2

SEE ROADWAY PLANS FOR CURB/MEDIAN TYPE MINIMUM 30' FROM THIS POINT MUST BE MOUNTABLE CURB CONFIGURATION ON THE APPROACH SIDE BEFORE TRANSITIONING TO A BARRIER CURB CONFIGURATION.



CONSTRUCT SYMMETRICAL ABOUT THIS POINT

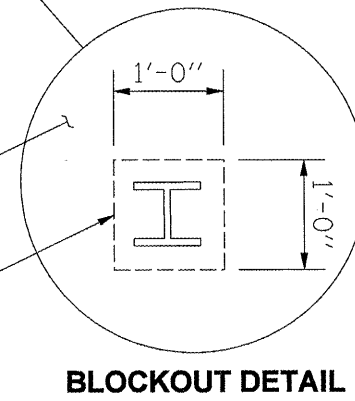
TABLE - POST LOCATIONS

| POST | STATION | OFFSET LT/RT |
|------|------------------------|--------------|
| A | 263+72.81 264+07.19 | 0.55' |
| B | 263+75.94 264+04.06 | 0.94' |
| C | 263+79.06 264+00.94 | 1.17' |
| D | 263+82.19 263+97.81 | 1.25' |
| E | 263+85.31 263+94.69 | 1.25' |
| F | 263+88.44 263+91.56 | 1.25' |

PLAN

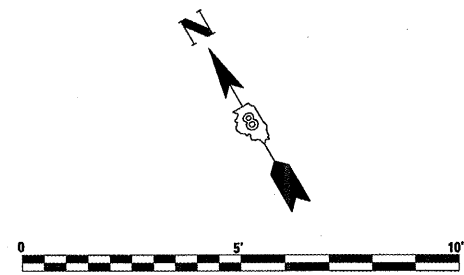
CONC MEDIAN SURFACE, 4"

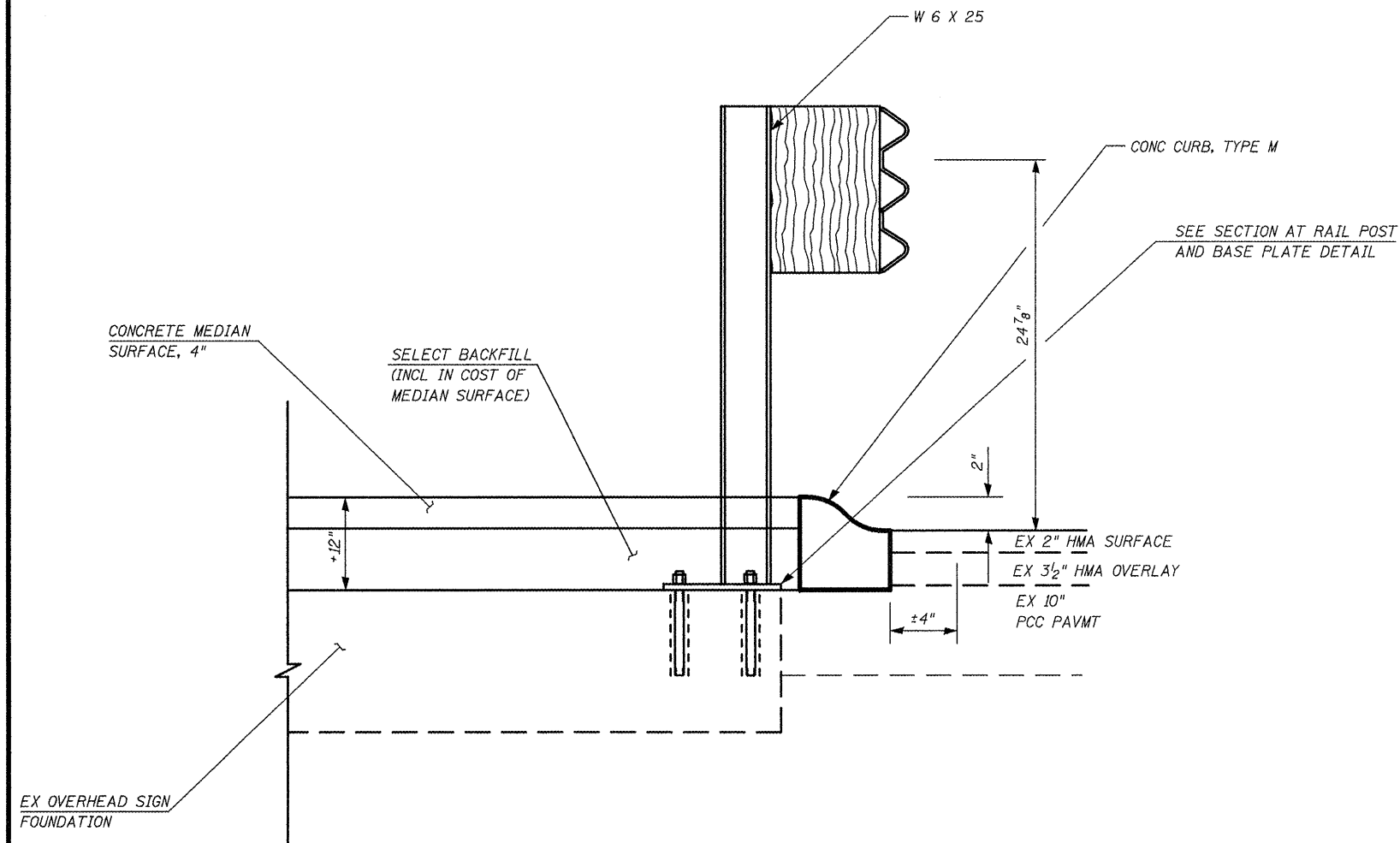
LIMITS OF BLOCKOUT (TYP)



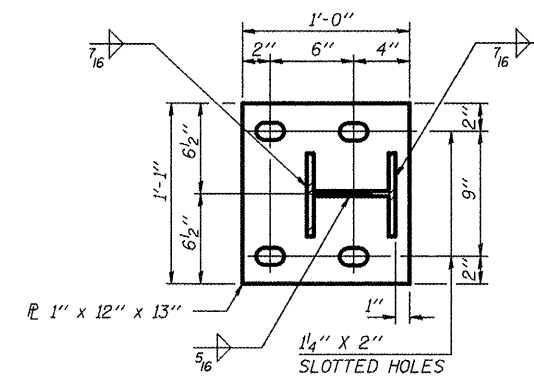
BLOCKOUT DETAIL

IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3 OR IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE) TEST LEVEL 3

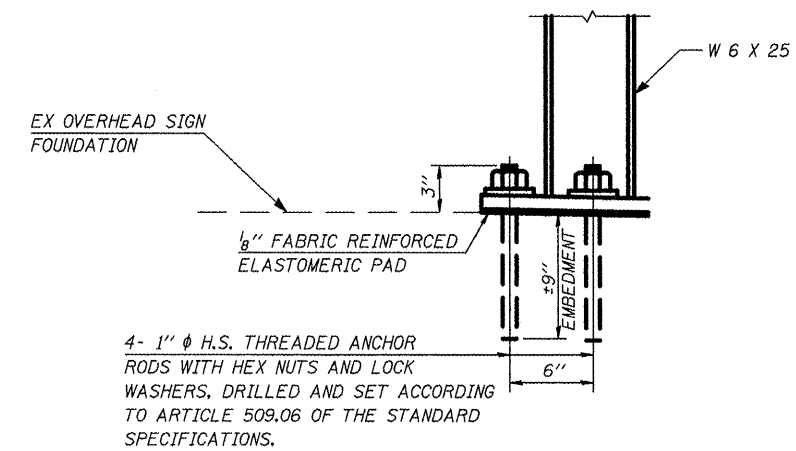




SECTION A-A



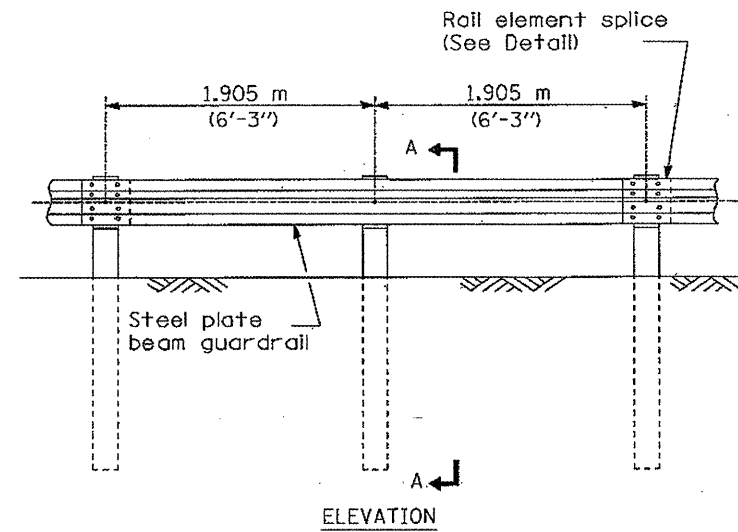
BASE PLATE DETAIL



SECTION AT RAIL POST

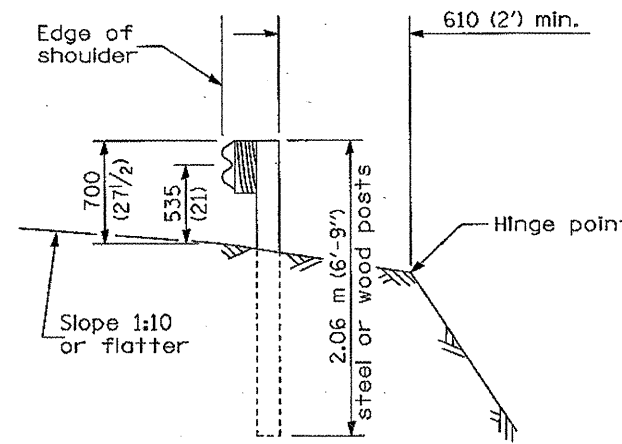
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|--|-----------------------------|------------|-----------|---|---------------------------|--|---------|-----------|--------------|-----------|--|
| FILE NAME = | USER NAME = washingtona | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | GUARD RAIL DETAILS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| cr\pw_work\VPWIDOT\WASHINGTONA\j016838 | d876d63-ah-tr-plen.dgn | DRAWN - | REVISED - | | | 103 | 28-11-1 | ST. CLAIR | 25 | 25 | |
| | PLOT SCALE = 96.0000' / IN. | CHECKED - | REVISED - | | | SCALE: 1" = 20' | | | | | |
| | PLOT DATE = 3/19/2010 | DATE - | REVISED - | | | SHEET NO. OF SHEETS STA. 307+00 TO STA. 313+00 | | | | | |
| | | | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | |
| | | | | | | CONTRACT NO. 76063 | | | | | |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|-----------|------------------|-----------|
| 103 | 28-II-1 | ST. CLAIR | 25 | 25A |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |

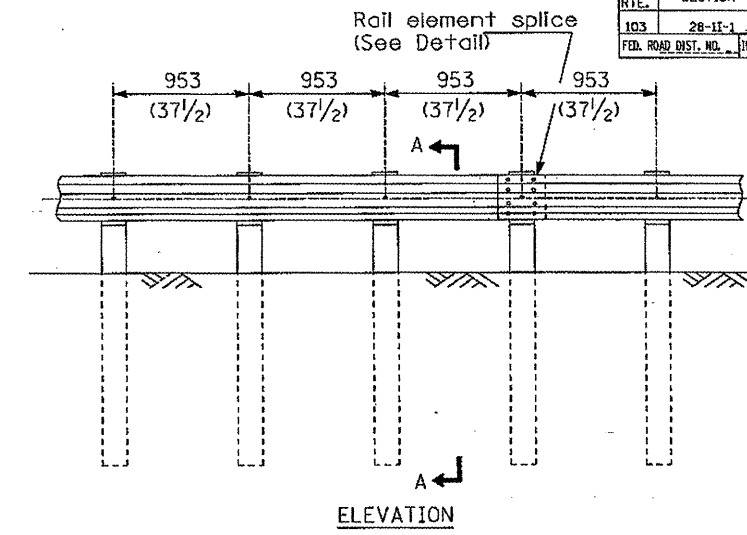


TYPE A

1.905 m (6'-3") Typical post spacing

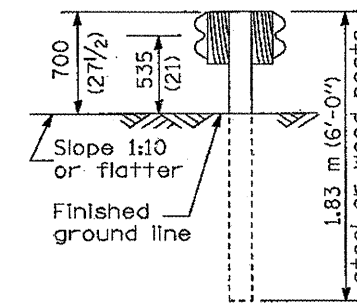


SECTION A-A

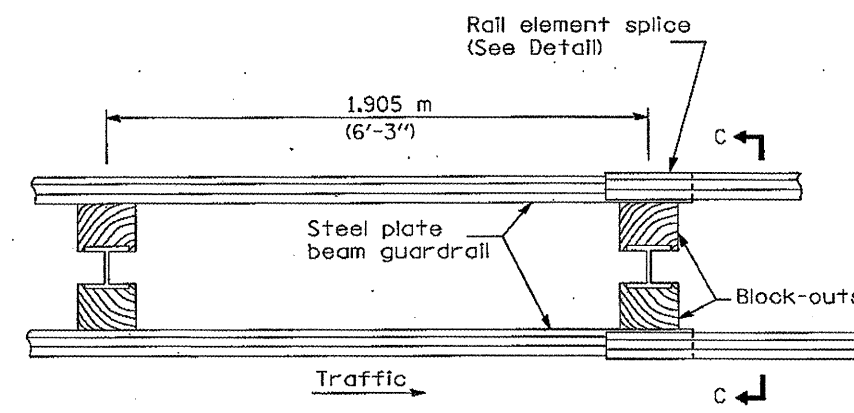


TYPE B

953 (37 1/2) Closed post spacing



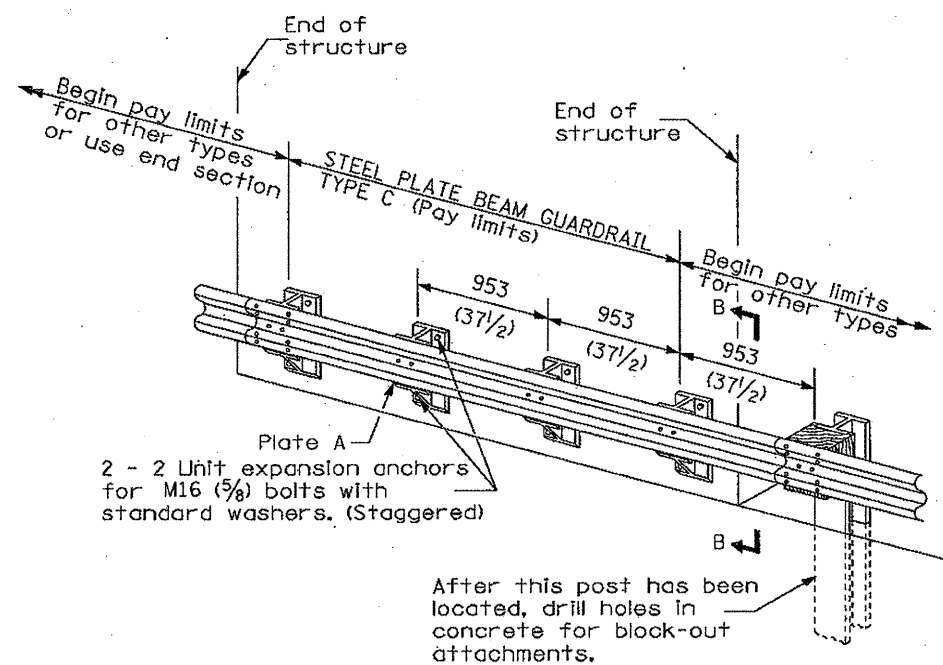
SECTION C-C



PLAN

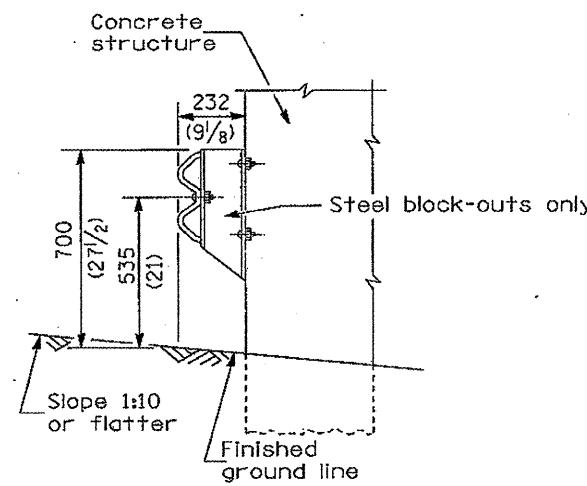
TYPE D

Double steel plate beam guardrail
1.905 m (6'-3") typical post spacing



TYPE C

953 (37 1/2) Block-out spacing



SECTION B-B

GENERAL NOTES

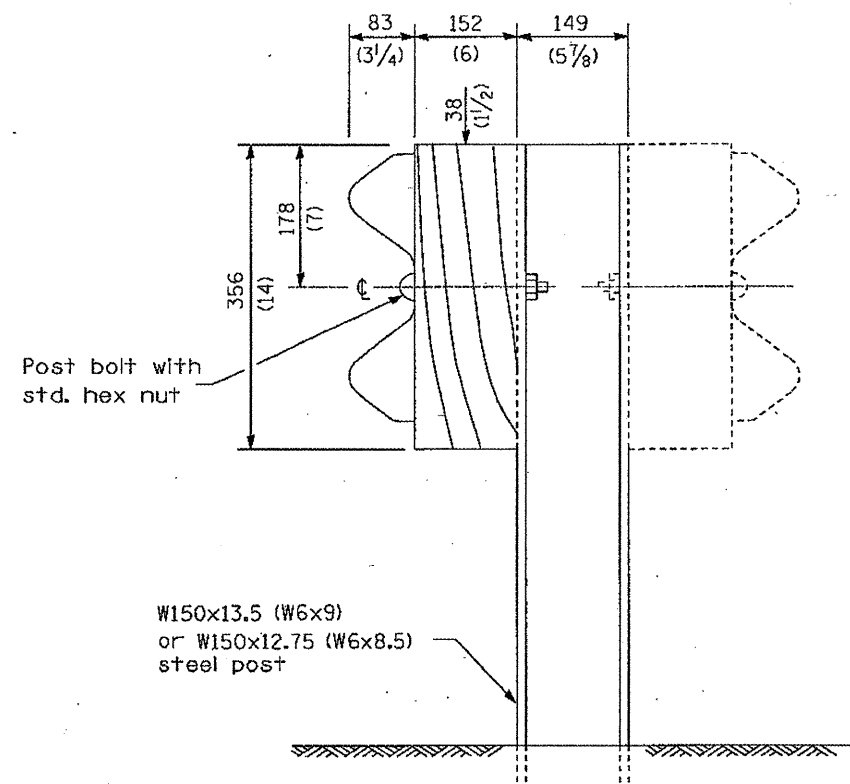
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
All dimensions are in millimeters (inches) unless otherwise shown.
The existing steel posts may be drilled to match the bolt pattern shown herein for the wood block-out, or a new steel post shall be provided.
This detail is applicable to the guardrail system used prior to January 1, 2007. For details on the Midwest Guardrail System, see Standard 630001.

**STEEL PLATE BEAM GUARDRAIL
TYPE A**

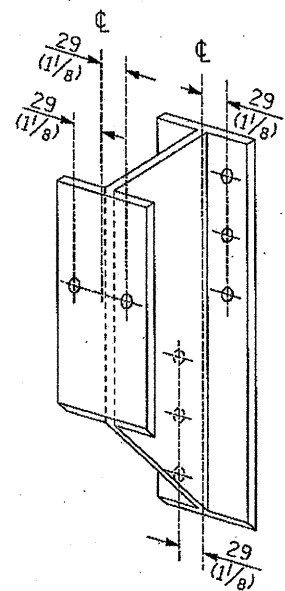
(Sheet 1 of 4)

GUARDRAIL DETAIL

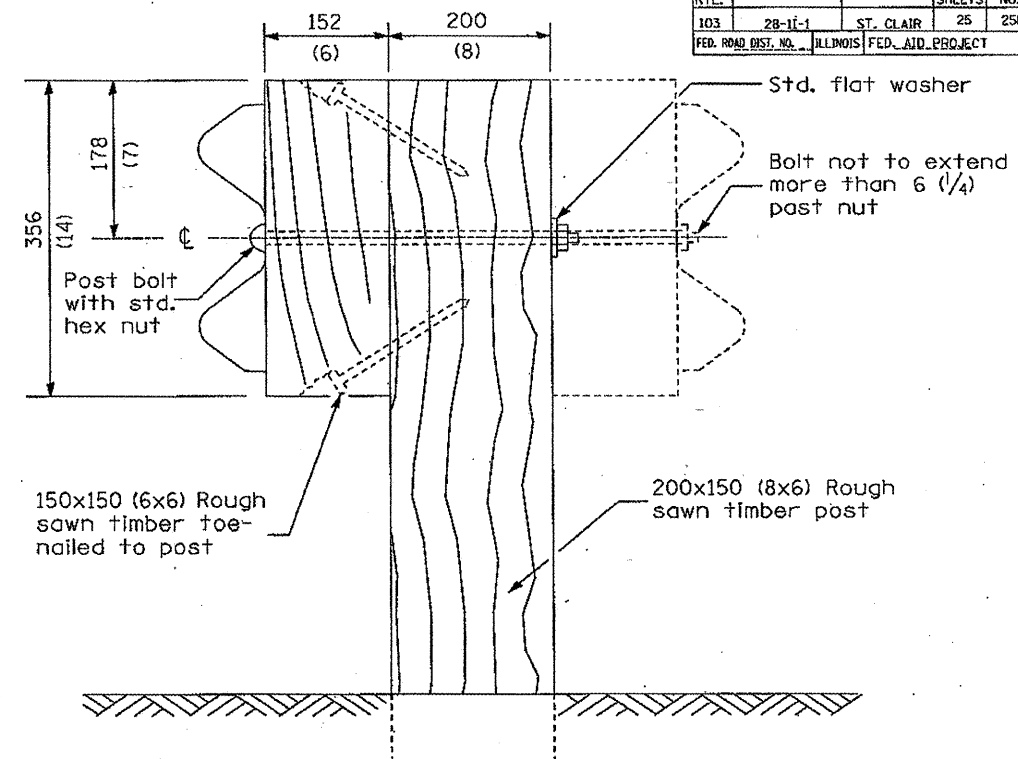
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|---------|-----------|--------------|-----------|
| 103 | 28-11-1 | ST. CLAIR | 25 | 25B |
| FED. ROAD DIST. NO. ILLINOIS FED. AID. PROJECT | | | | |



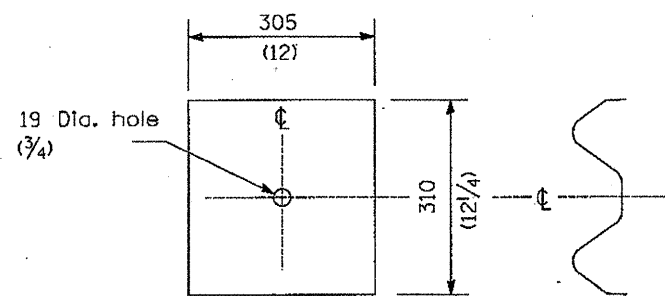
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



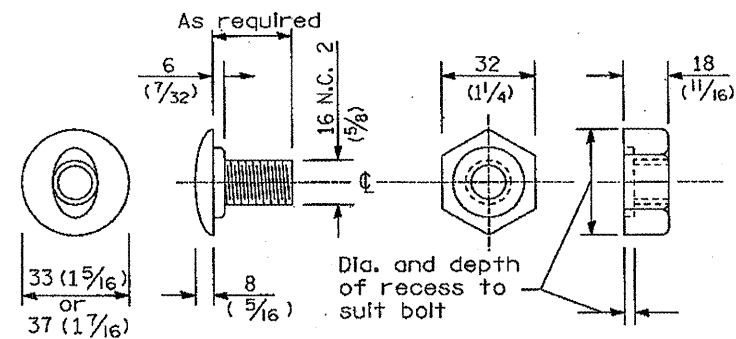
WOOD POST CONSTRUCTION



NOTE

Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

PLATE A



POST OR SPLICE BOLT & NUT

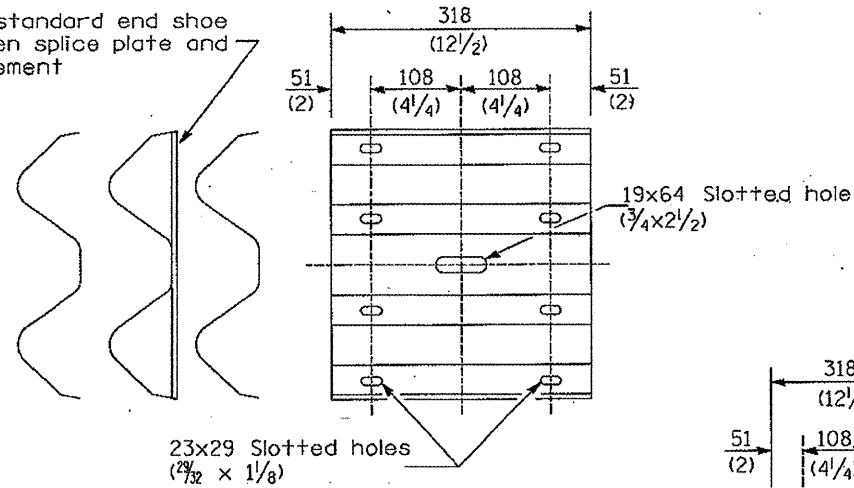
STEEL PLATE BEAM GUARDRAIL
TYPE A

(Sheet 2 of 4)

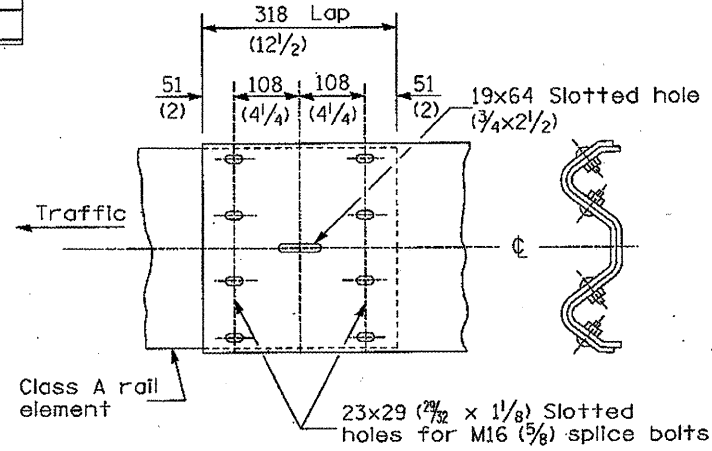
GUARDRAIL DETAIL

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|----------------------------|--------------|-----------|
| 103 | 28-11-1 | ST. CLAIR | 25 | 25C |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID. PROJECT | | |

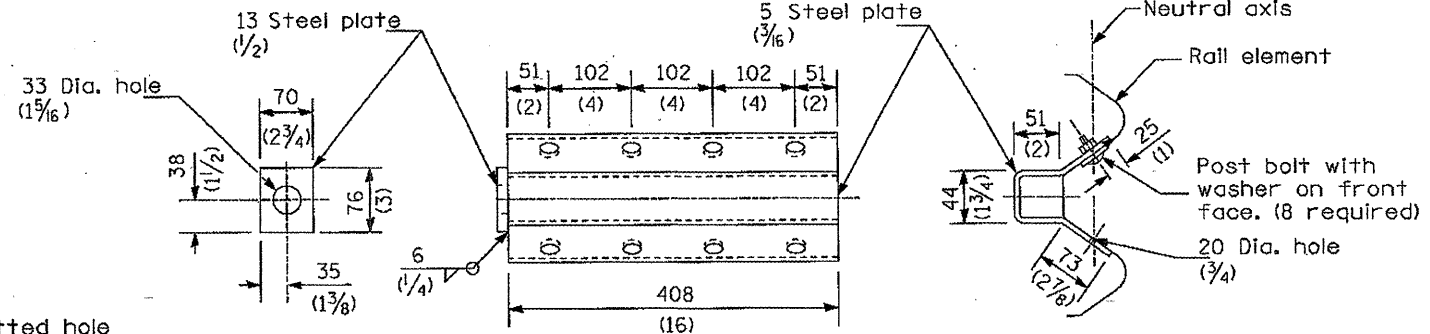
Place standard end shoe between splice plate and rail element



SPLICE PLATE

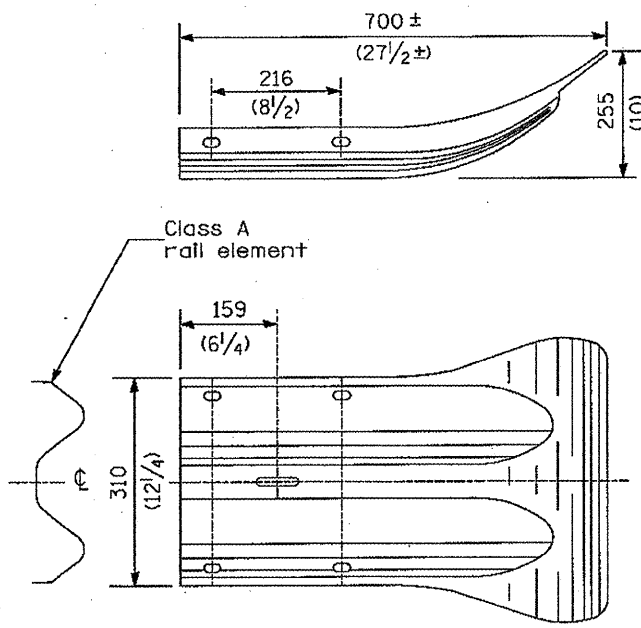


RAIL ELEMENT SPLICE

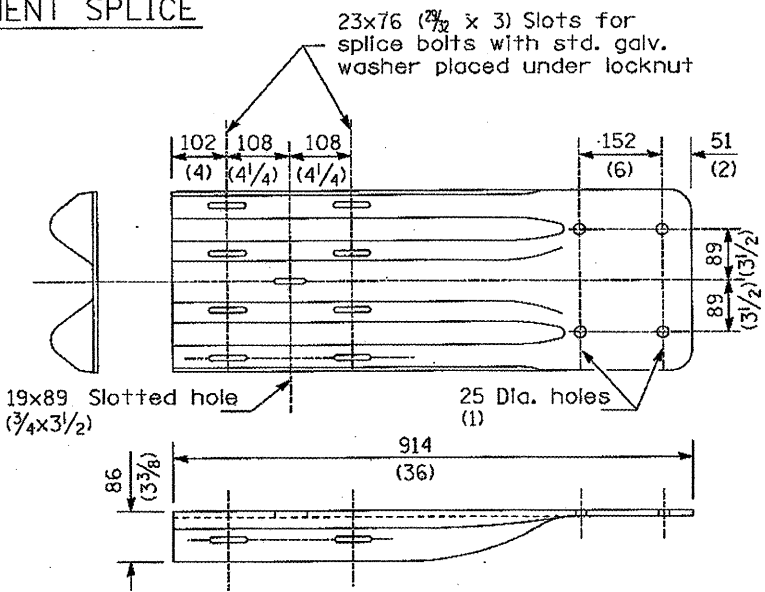


NOTE
Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS



END SECTION



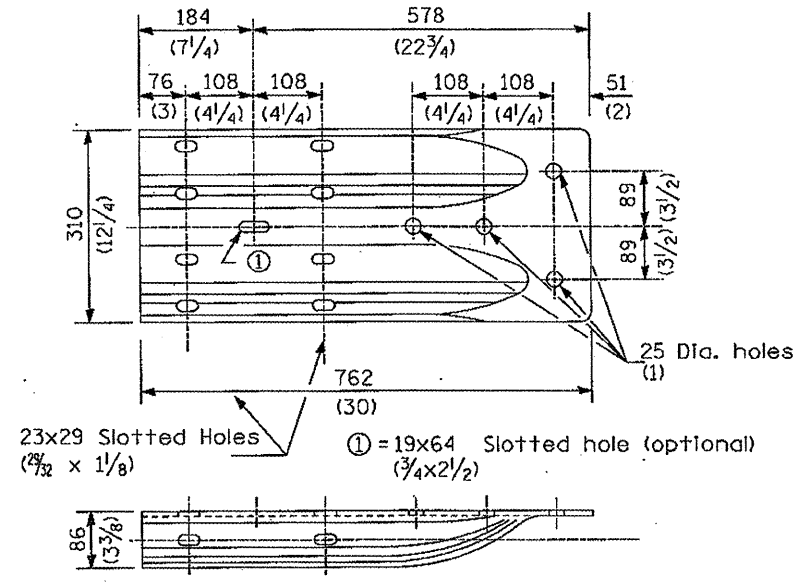
NOTE

When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

Externally threaded studs protruding from the surface of the concrete will not be permitted.

END SHOE

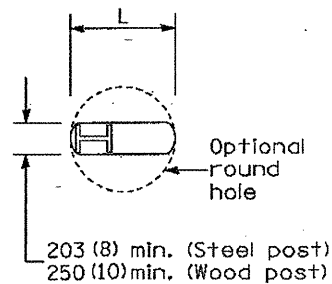


ALTERNATE END SHOE

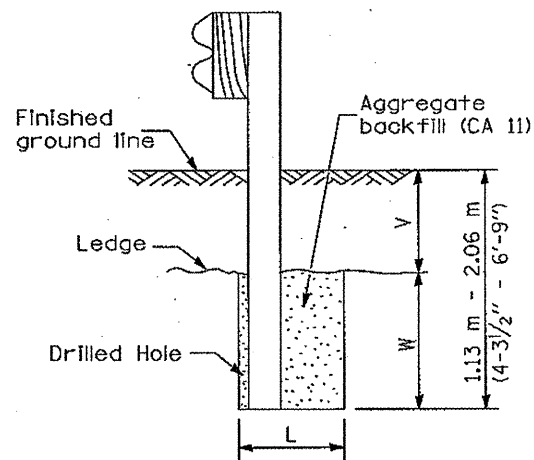
STEEL PLATE BEAM GUARDRAIL TYPE A

(Sheet 3 of 4)

GUARDRAIL DETAIL



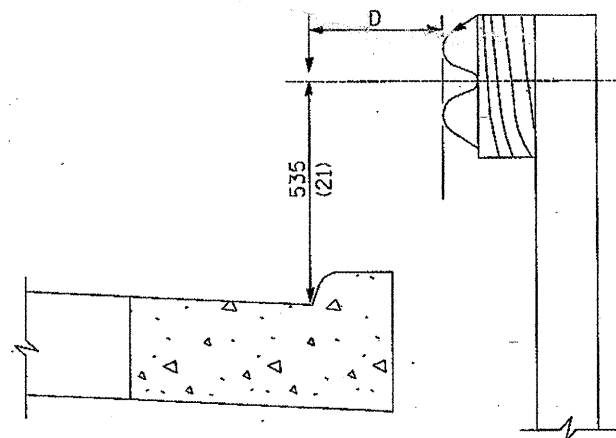
PLAN



Note:
Ledge line is top of rock ledge or hard slag fill.

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED

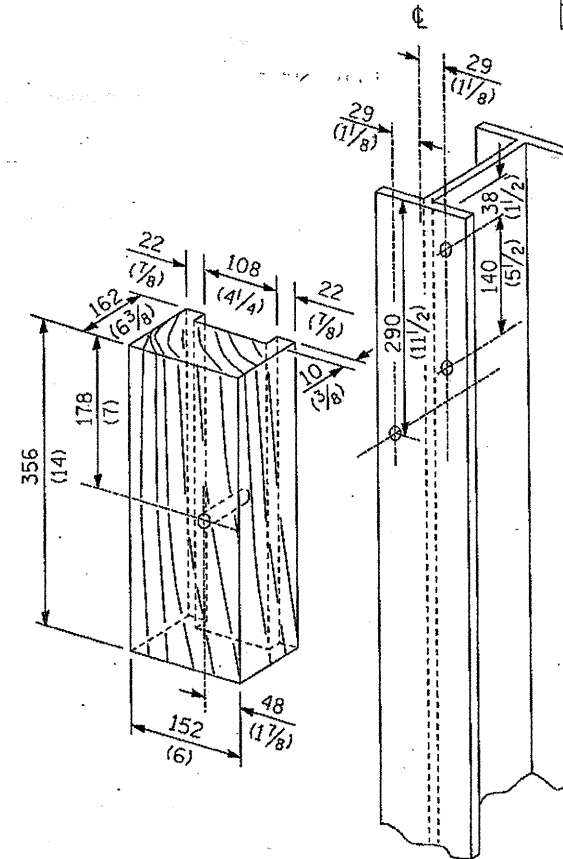


Note:
If it is necessary for D to be more than 300 (12) and less than 3.0 m (10'-0") type M-5 (M-2) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

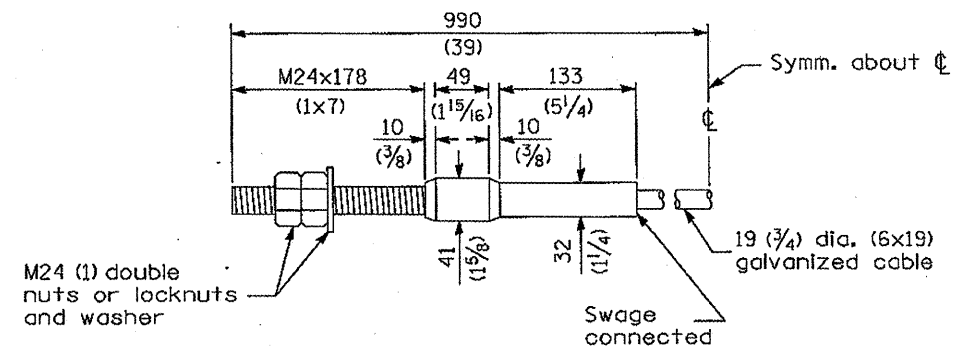
GUARDRAIL PLACED BEHIND CURB

(D = 0 desirable to 300 (12) maximum)

| V | W | L | |
|---------------------------------|---------------------|-------------|-------------|
| | | Steel Post | Wood Post |
| 0 - 460 (0 - 18) | 610 (24) | 530 (21) | 580 (23) |
| >460 - 825 (>18 - 41.5) | 305 (12) | 203 (8) | 250 (10) |
| >825 - 1.13 m (>41.5 - 53.5) | 305 - 0 (12 - 0) | 203 (8) | 250 (10) |



WOOD BLOCK-OUT AND STEEL POST DETAILS



CABLE ASSEMBLY

(18,100 kg (40,000 lbs.) min. breaking strength)
Tighten to taut tension.

STEEL PLATE BEAM GUARDRAIL
TYPE A

(Sheet 4 of 4)

GUARDRAIL DETAIL