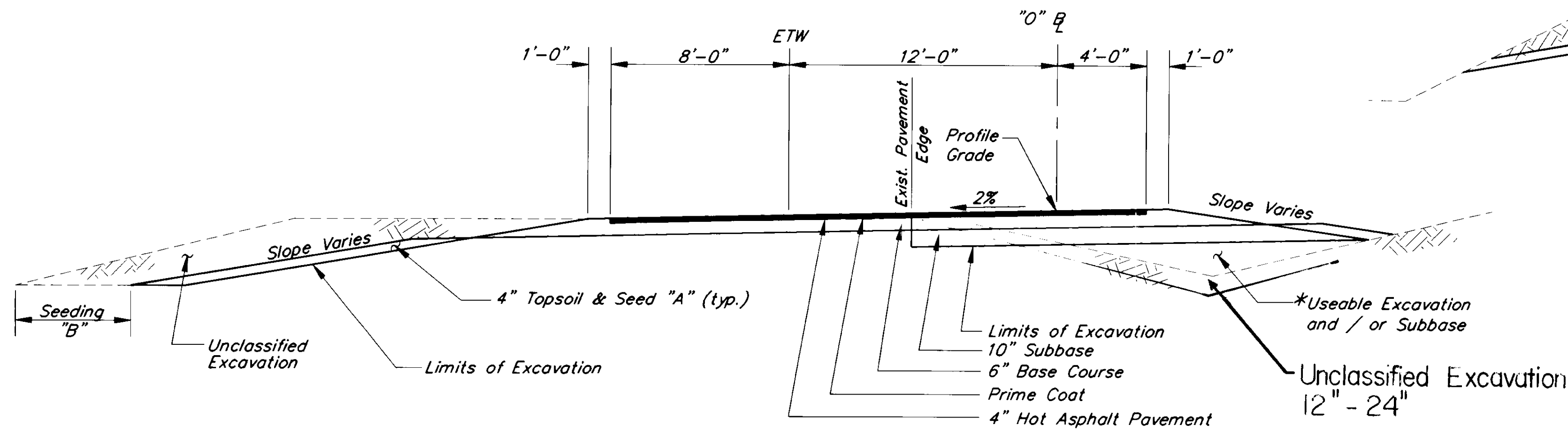
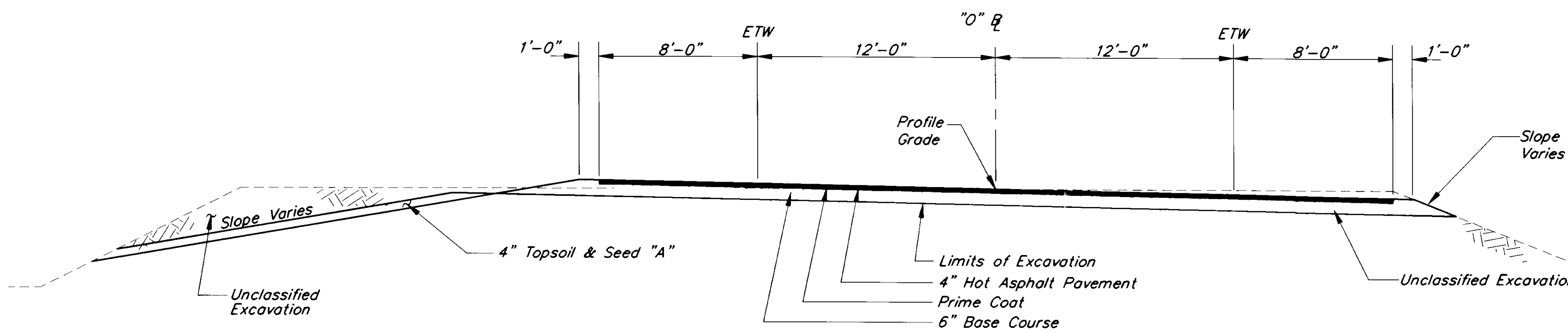


\*Useable excavation shall meet the requirements of Selected Material Type "B".

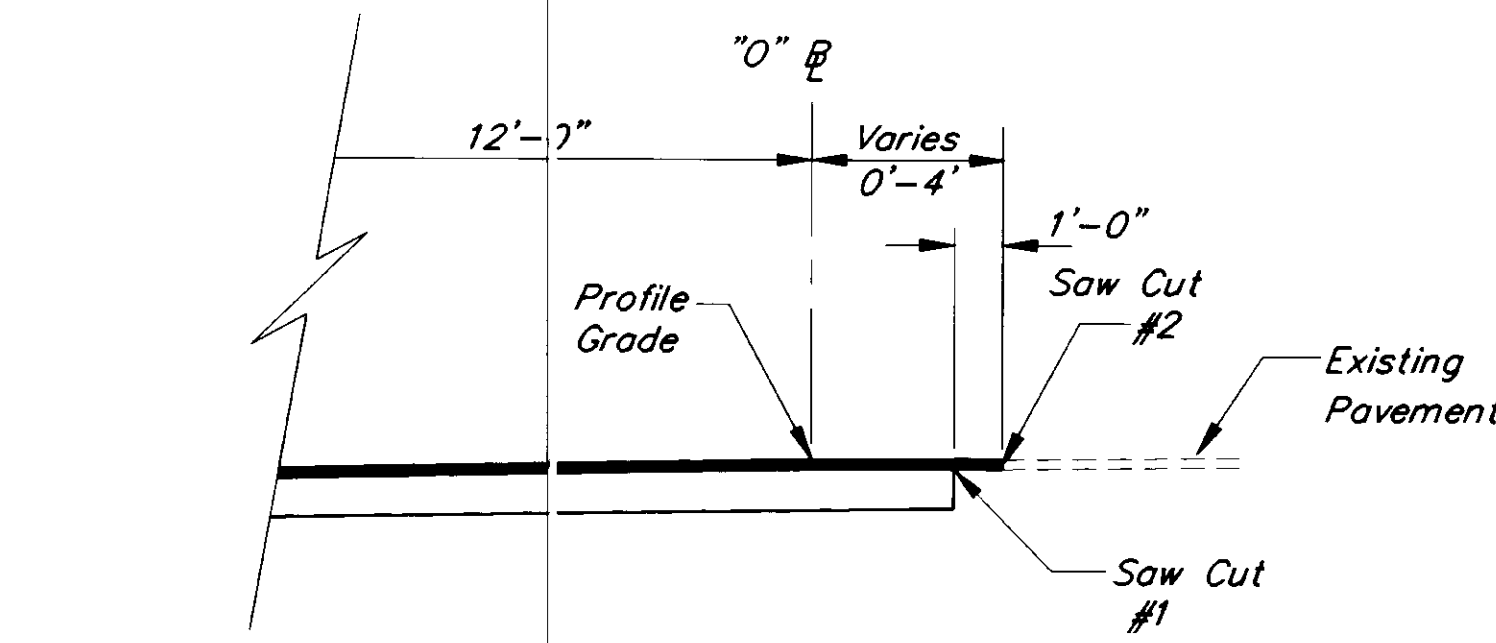
**"0" Sta. 8+04 to "0" Sta. 19+00**



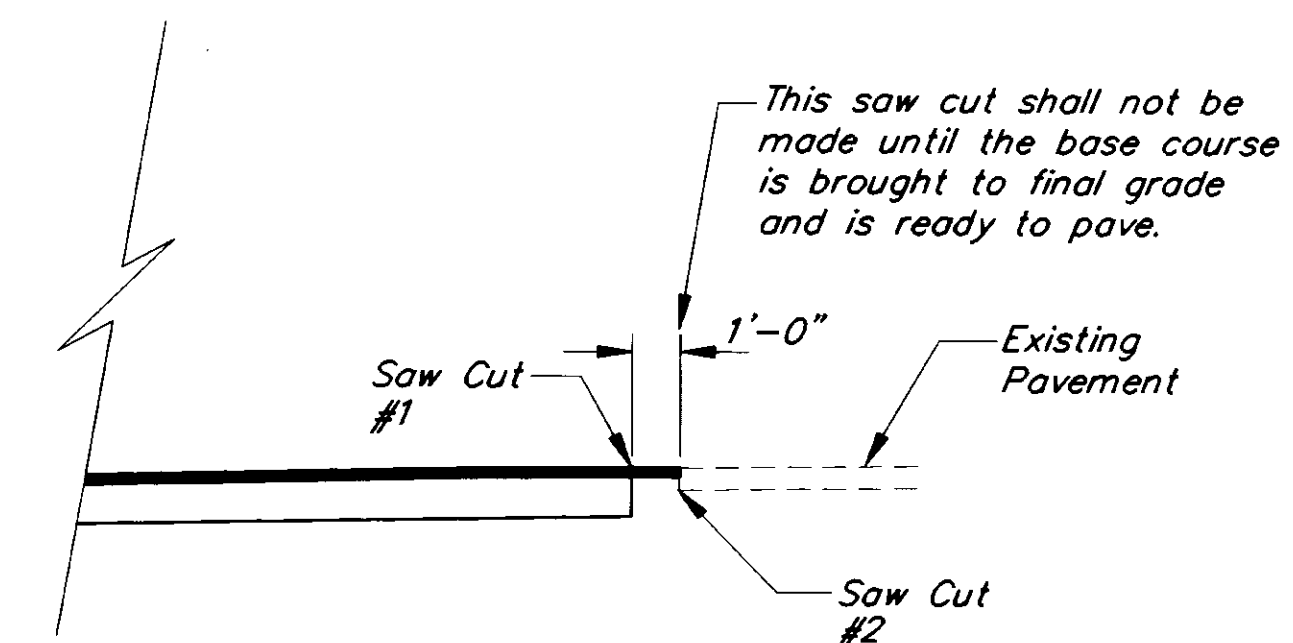
**"0" Sta. 19+40 to "0" Sta. 25+50**



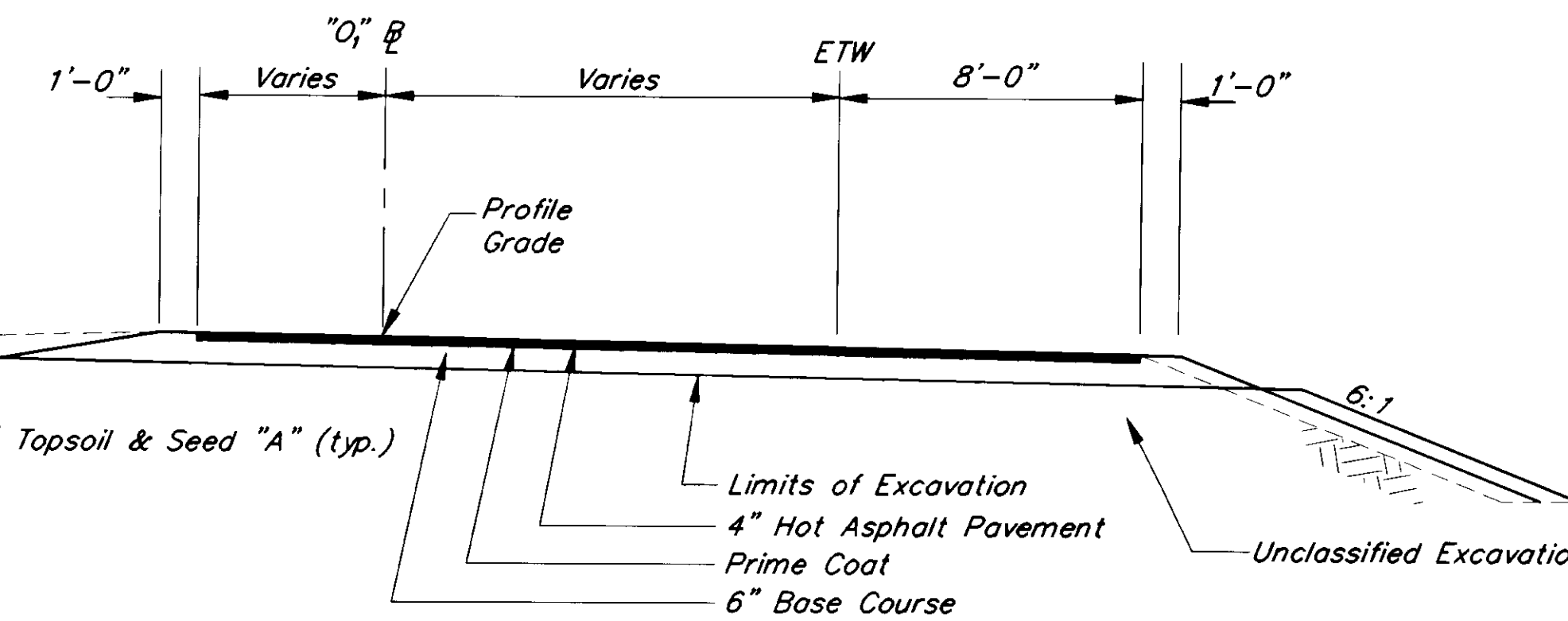
**"0" Sta. 25+50 to "0" Sta. 30+78.96**



**"0" Sta. 19+00 to "0" Sta. 19+40**



**Pavement Joint Detail**



**"0" Sta. 24+53 to "0" Sta. 26+02**

**Superelevation Table**

| 8+04 to 15+97.56 |                  | Match Egan Drive Cross/Slope |                  |
|------------------|------------------|------------------------------|------------------|
| Curve #1         |                  | Curve #2                     |                  |
| 15+97.56         | Begin Transition | 22+31.83                     | Begin Transition |
| 17+57.56         | Begin Full Super | 23+91.83                     | Begin Full Super |
| 20+38.85         | End Full Super   | 29+18.63                     | End Full Super   |
| 21+98.85         | End Transition   | 30+78.96                     | End Transition*  |

\* Transition to match existing cross/slopes.

**Slope Table**

| Sta. to Sta. | Lt. Slope | Rt. Slope    |                   |
|--------------|-----------|--------------|-------------------|
| 8+04         | 19+50     | 4:1          | Match Exist. Pav. |
| 19+50        | 21+50     | 4:1          | 6:1               |
| 21+50        | 22+50     | 4:1 to 6:1   | 6:1               |
| 22+50        | 26+50     | 6:1          | 6:1               |
| 26+50        | 27+00     | 6:1          | 6:1               |
| 27+00        | 27+50     | 6:1          | Match Exist.      |
| 27+50        | 28+00     | 6:1          | Match Exist.      |
| 28+00        | 30+79     | Match Exist. | Match Exist.      |

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

| BY: | DATE: | DESCRIPTION OF CHANGE: |
|-----|-------|------------------------|
|     |       |                        |
|     |       |                        |

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU

YANDUKIN DR./EGAN EXPRESSWAY INTERSECTION

ALASKA

DESIGNED BY:  
**F. MURPHY**

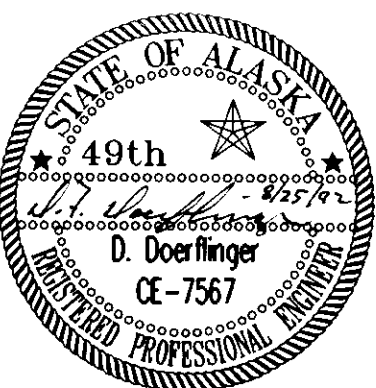
PROJECT NO.  
**70612**

DRAWN BY:  
**AutoCAD/R. SNYDER**

DATE:  
**AUG. 1992**

CHECKED BY:  
**D. DOERFLINGER**

SHEET 2 OF 13



Estimate of Quantities

Basis of Estimate

| Item No.   | Item  | Unit        | Sheet Number |       |       |       | Total     | Item No.                                    | Item                           | Quantity |
|------------|---|-------------|--------------|-------|-------|-------|-----------|---|--------------------------------|----------|
|            |   |             | 4            | 5     | 6     | 7     |           |   |                                |          |
| 120 (1)    | DBE Adjustment  | C.S.        |              |       |       |       | All Req'd | 301(1) Crushed Aggregate Base Course        | 1.92 Ton/Cubic Yard            |          |
|            |   |             |              |       |       |       | 6,653     | 304(1) Subbase Grading "E"                  | 1.92 Ton/Cubic Yard            |          |
| 202 (2)    | Removal of Pavement   | S.Y.        | 511          | 916   | 1,233 | 3,318 | 5,978     |   |                                |          |
| 202 (4)    | Removal of Culvert Pipe   | L.F.        |              |       | 5257  |       | 5257      | 401(1) Asphalt Concrete, Type II, Class "B" | 115.0 lbs/Sq.Yd./In Depth      |          |
| 202 (9)    | Removal of Curb and Gutter                                      | L.F.        |              |       |       | 257   | 257       | 401(2) PBA-2 Asphalt Cement                 | 6.0% of Item 401(1)            |          |
| 203 (3)    | Unclassified Excavation   | C.Y.        | 311          | 414   | 2,524 | 2,188 | 5,919     | 403(3) MC-250 Liquid Asphalt for Prime Coat | 0.20 Gal./Sq.Yd., 256 Gal./Ton |          |
| 301 (1)    | Crushed Aggregate Base Course                                   | Ton         | 347          | 517   | 621   | 1,255 | 2,878     | 618 (1) Seeding "A"                         | 1.36 Acre                      |          |
| 304 (1)    | Subbase, Grading "E"  | Ton         | 422          | 431   | 990   | 355   | 4,252     | 618 (1) Seeding "B"                         | 0.48 Acre                      |          |
|            |   |             |              |       |       |       | 1637      |   |                                |          |
| 401 (1)    | Asphalt Concrete, Type II, Class B                              | Ton         | 207          | 320   | 338   | 705   | 1,570     |   |                                |          |
| 401 (2)    | PBA-2 Asphalt Cement  | Ton         | 12           | 19    | 20    | 43    | 101       |   |                                |          |
| 401 (6)    | Asphalt Price Adjustment  | C.S.        |              |       |       |       | All Req'd |   |                                |          |
| 403 (3)    | MC-250 Liquid Asphalt for Prime Coat                            | Ton         | 0.71         | 1.08  | 1.15  | 2.40  | 0         |   |                                |          |
| 627(1)     | Adjust Fire Hydrant C.O.*3                                      |             |              |       |       |       | 965       |   |                                |          |
| 603 (5-24) | 24 Inch Bituminous Coated Corrugated Steel Pipe                 | L.F.        |              |       | 104   | 365   | 104       |   |                                |          |
| 603 (5-36) | 36 Inch Bituminous Coated Corrugated Steel Pipe                 | L.F.        | 12           |       |       |       | 12        |   |                                |          |
| 603 (6)    | 65x40 Inch Bituminous Coated Corrugated Steel Pipe Arch         | L.F.        |              |       | 50    |       | 50        |   |                                |          |
| 603 (7)    | End Section for 24 Inch Bituminous Coated Corrugated Steel Pipe | Each        |              |       | 2     |       | 2         |   |                                |          |
| 609 (1)    | Curb, Type I, Expressway  | L.F.        |              |       |       | 148   | 145       |   |                                |          |
| 627(2)     | Adjust Valve Boxes C.O.*4                                       | L.S.        |              |       |       |       | All Req'd |   |                                |          |
| 615 (1)    | Standard Sign   | S.F.        |              |       |       |       | 59        |   |                                |          |
| 618 (1)    | Seeding   | Acre        | 0.19         | 0.30  | 0.79  | 0.56  | 164       |   |                                |          |
| 618 (3)    | Water for Seeding   | M. Gal.     | 4            | 2     | 4     | 3     | 0         |   |                                |          |
| 620 (1)    | Topsoil   | S.Y.        | 922          | 1,452 | 2,742 | 1,811 | 6,927     | 5,993                                       |                                |          |
| 639 (2)    | Service Driveways   | Each        |              |       |       | 2     | 2         |   |                                |          |
| 643 (10)   | Special Construction Sign                                       | S.F.        |              |       |       |       | 21        |   |                                |          |
| 640 (1)    | Mobilization and Demobilization                                 | L.S.        |              |       |       |       | All Req'd |   |                                |          |
| 641 (1)    | Temporary Erosion and Pollution Control                         | C.S.        |              |       |       |       | All Req'd |   |                                |          |
| 642 (1)    | Construction Surveying  | L.S.        |              |       |       |       | All Req'd |   |                                |          |
| 642 (2)    | Three Person Survey Party                                       | Hour        |              |       |       |       | 2.14      | 10  |                                |          |
| 643 (2)    | Traffic Maintenance   | L.S.        |              |       |       |       | All Req'd |   |                                |          |
| 643 (3)    | Permanent Construction Signing                                  | L.S.        |              |       |       |       | All Req'd |   |                                |          |
| 643 (4)    | Construction Sign   | Ea. Per Day |              |       |       |       | 591       | 900   |                                |          |
| 643 (6)    | Type III Barricade  | Ea. Per Day |              |       |       |       | 96        | 300   |                                |          |
| 643 (7)    | Traffic Cone  | Ea. Per Day |              |       |       |       | 4,200     | 4,648                                       |                                |          |
| 643 (8)    | Drum  | Ea. Per Day |              |       |       |       | 1,080     | 232   |                                |          |
| 660(3a)    | Electrical Conduit C.O.*1                                       | L.S.        |              |       |       |       | All Req'd |   |                                |          |
| 643 (13)   | Temporary Pavement Marking                                      | Station     |              |       |       |       | 0         | 18  |                                |          |
| 643 (15)   | Flagging  | Hour        |              |       |       |       | 320       | 75.5  |                                |          |
| 643 (18)   | Watering  | M. Gal.     |              |       |       |       | 20        | 31  |                                |          |
| 660 (3)    | Highway Lighting System Complete                                | L.S.        |              |       |       |       | All Req'd |   |                                |          |
| 660 (24)   | Electrolier Foundation Bedding                                  | Each        |              |       |       |       | 5         | 0   |                                |          |
| 670 (1)    | Painted Traffic Markings  | L.S.        |              |       |       |       | All Req'd |   |                                |          |

General Notes

- Grades and alignment as shown on the plans are subject to minor revision.
- Culvert locations are subject to minor revision.
- Superelevation is rotated about Baseline (R).

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

| BY: | DATE: | DESCRIPTION OF CHANGE: |
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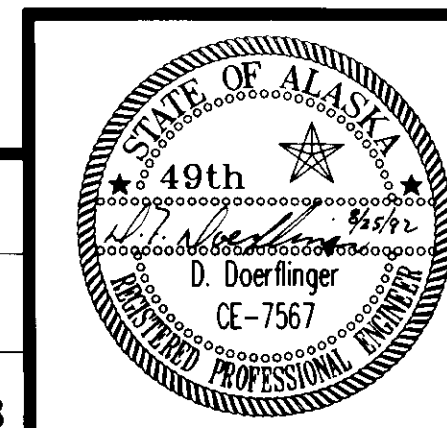
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU

YANDUKIN DR./EGAN EXPRESSWAY INTERSECTION

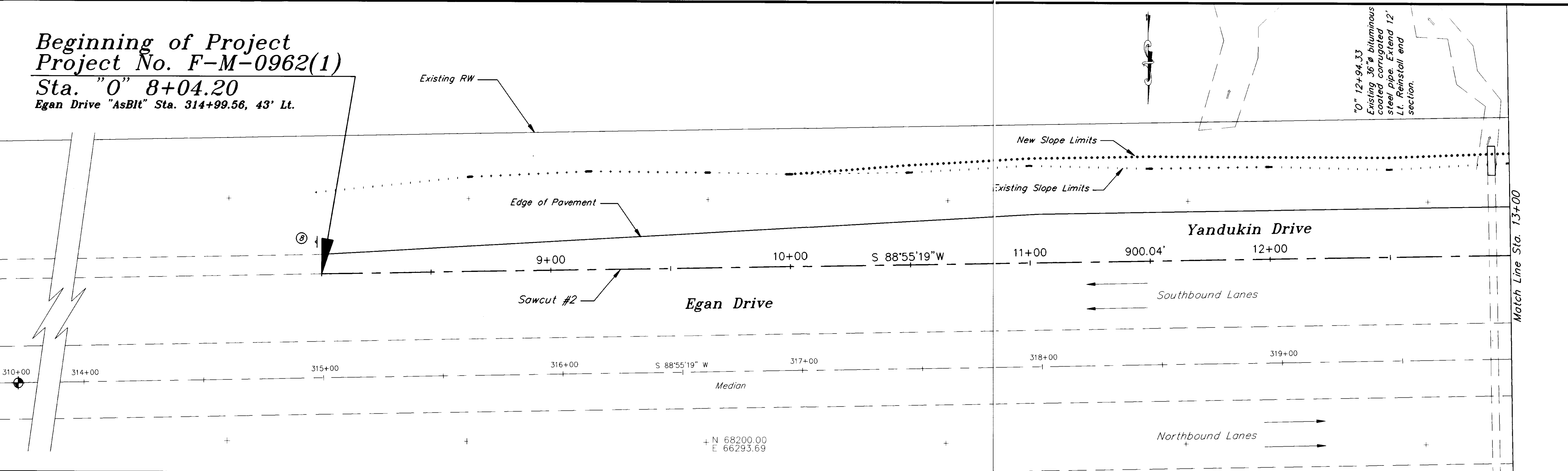
ALASKA

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| DESIGNED BY:<br>F. MURPHY      | PROJECT NO.<br>70612 |
| DRAWN BY:<br>AutoCAD/R. SNYDER | DATE:<br>AUG. 1992   |
| CHECKED BY:<br>D. DOERFLINGER  | SHEET 3 OF 13        |



**Beginning of Project**  
**Project No. F-M-0962(1)**

**Sta. "0" 8+04.20**  
 Egan Drive "AsBlt" Sta. 314+99.56, 43' Lt.



|            |     |      |  |
|------------|-----|------|--|
| Excavation | 344 | C.Y. | Includes <del>404</del> C.Y. Topsoil     |
| Embankment | 177 | C.Y. | Includes <del>17</del> C.Y. from Sheet 7 |
| Waste      | 50  | C.Y. |  |

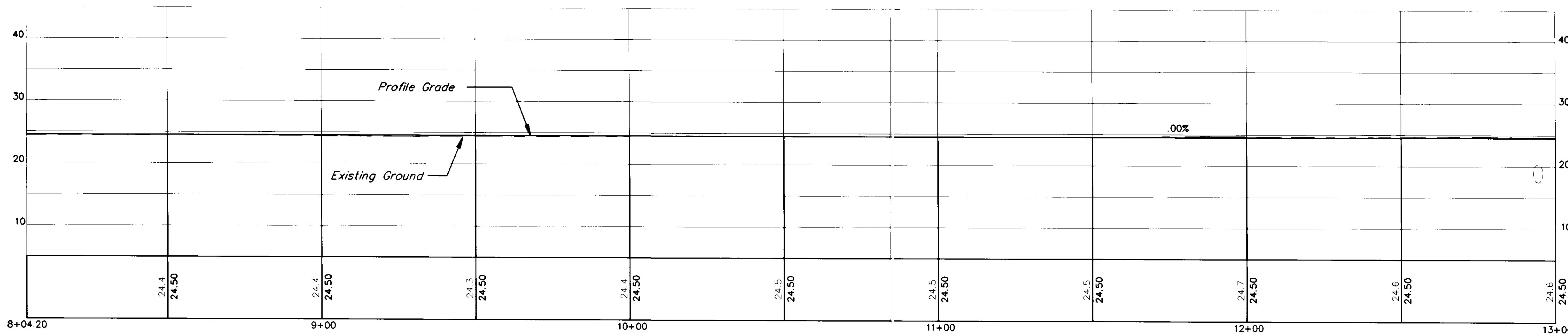
**Horizontal Control**

Horizontal Control is based on a bearing of S 88°55'19"W between centerline monuments located at Station 310+00 and 331+82.53 on Egan Drive.

|                     | N         | E         |
|---------------------|-----------|-----------|
| "Asbuilt" 310+00    | 68183.578 | 66953.568 |
| "Asbuilt" 331+82.53 | 68142.520 | 64771.456 |

**Vertical Control**

Vertical Control is based on an elevation of 23.06 on centerline monument located at Station 310+00 and an elevation of 23.92 on centerline monument located at Station 331+82.53 on Egan Drive.



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

| BY: | DATE: | DESCRIPTION OF CHANGE: |
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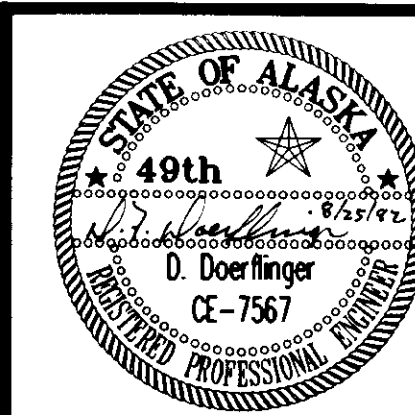
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

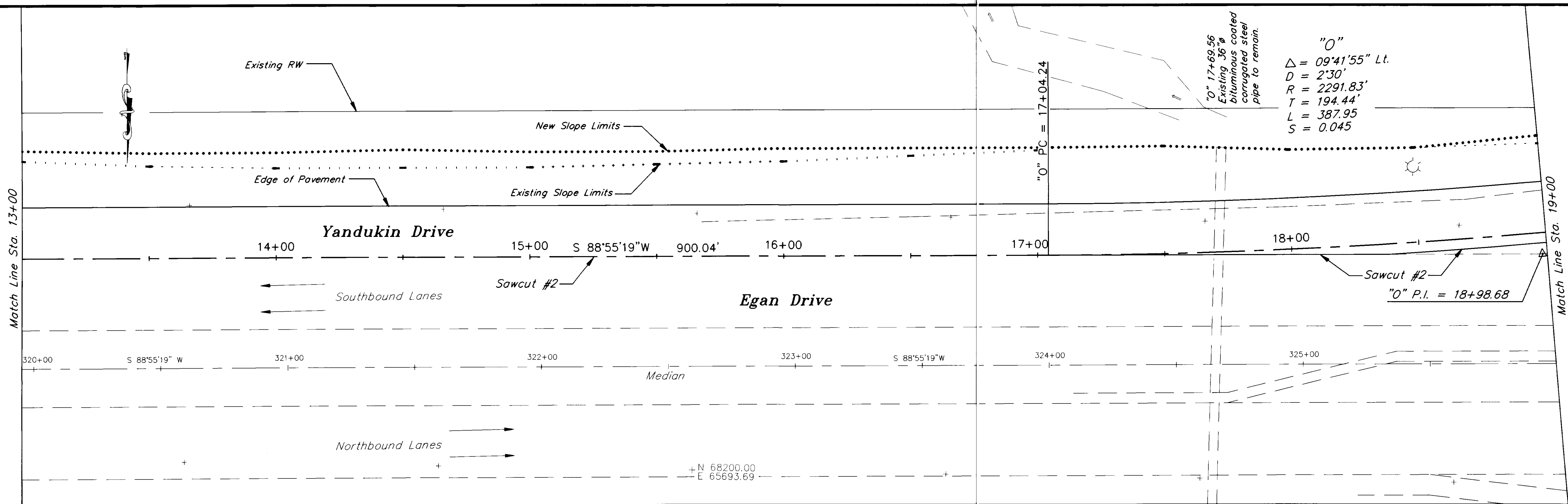
JUNEAU

YANDUKIN DR./EGAN EXPRESSWAY INTERSECTION  
 B.O.P. STA. 8+04.20 TO STA. 13+00

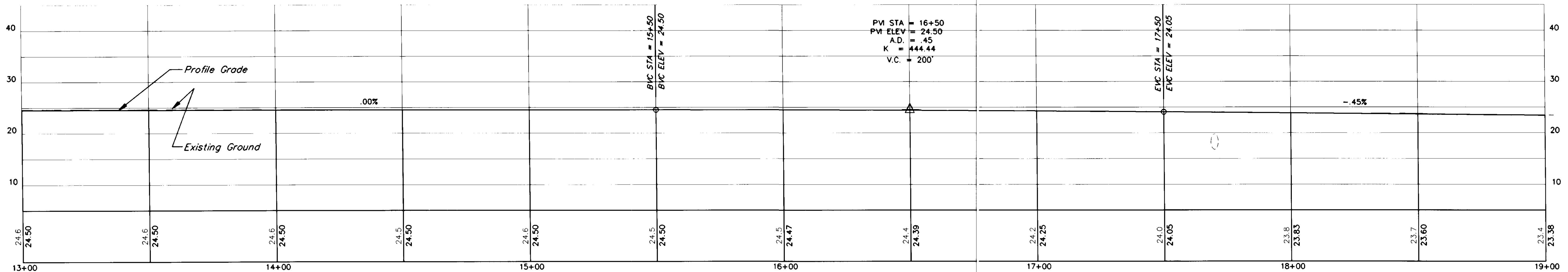
ALASKA

|                                       |                             |
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| DESIGNED BY:<br><b>F. MURPHY</b>      | PROJECT NO.<br><b>70612</b> |
| DRAWN BY:<br><b>AutoCAD/R. SNYDER</b> | DATE:<br><b>AUG. 1992</b>   |
| CHECKED BY:<br><b>D. DOERFLINGER</b>  | SHEET <b>4</b> OF <b>13</b> |





|            |     |      |                                |
|------------|-----|------|--------------------------------|
| Excavation | 414 | C.Y. | Includes 160 C.Y. Topsoil      |
| Embankment | 364 | C.Y. | Includes 204 C.Y. from Sheet 7 |
| Waste      | 94  | C.Y. |                                |



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

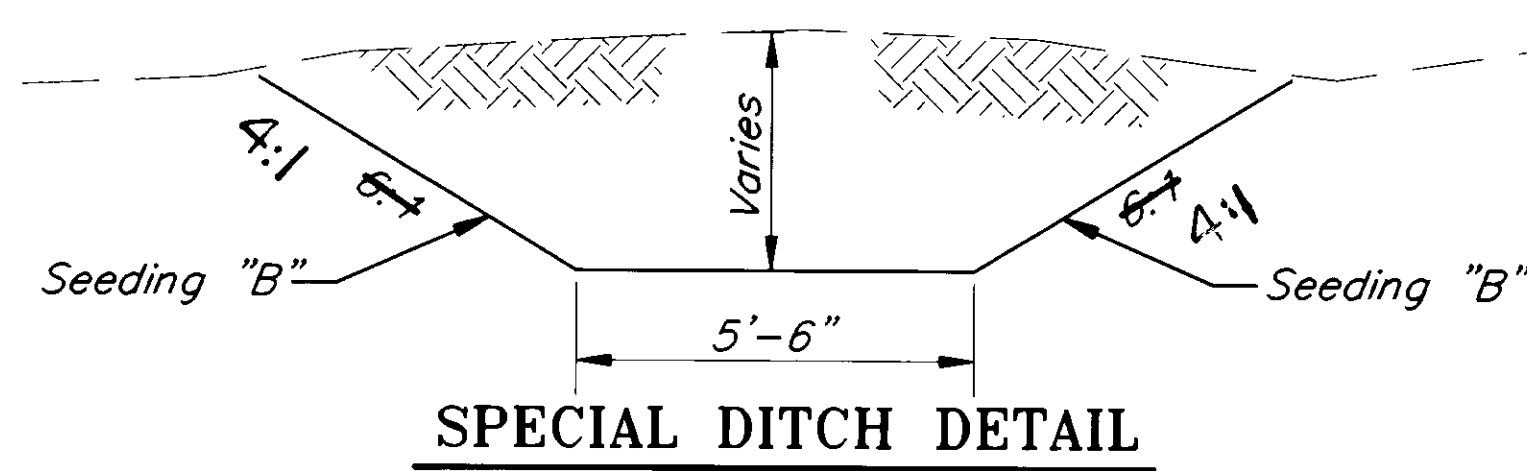
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STATE OF ALASKA  
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 SOUTHEAST REGION DESIGN & CONSTRUCTION

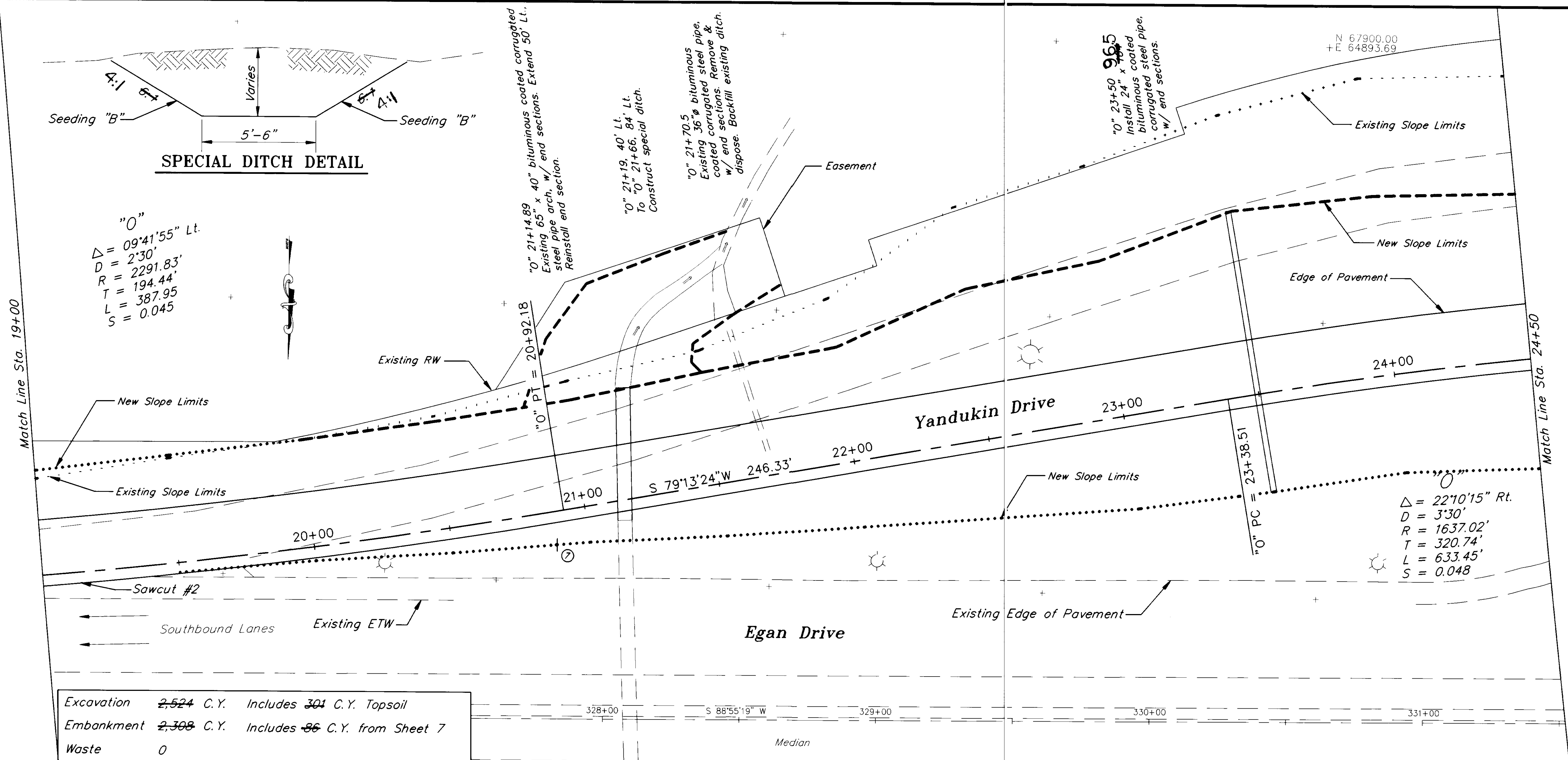
JUNEAU  
 YANDUKIN DR./EGAN EXPRESSWAY INTERSECTION  
 STA. 13+00 TO STA. 19+00

ALASKA  
 DESIGNED BY: F. MURPHY  
 DRAWN BY: AutoCAD/R. SNYDER  
 CHECKED BY: D. DOERFLINGER  
 PROJECT NO. 70612  
 DATE: AUG. 1992  
 SHEET 5 OF 13

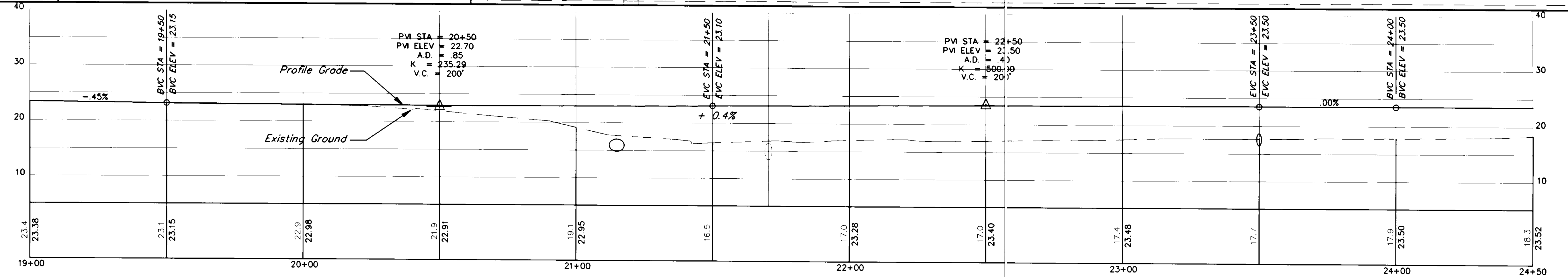




"0"  
 $\Delta = 09^{\circ}41'55''$  Lt.  
 $D = 2'30''$   
 $R = 2291.83'$   
 $T = 194.44'$   
 $L = 387.95'$   
 $S = 0.045$



Excavation **2,524** C.Y. Includes **301** C.Y. Topsoil  
 Embankment **2,308** C.Y. Includes **86** C.Y. from Sheet 7  
 Waste **0**



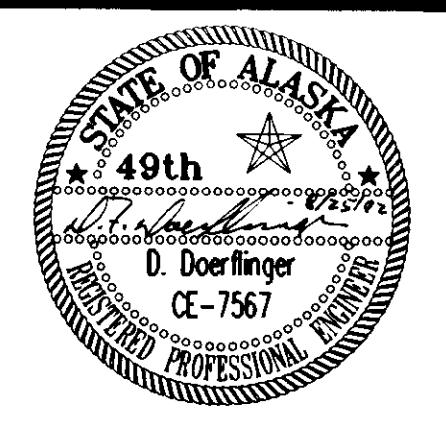
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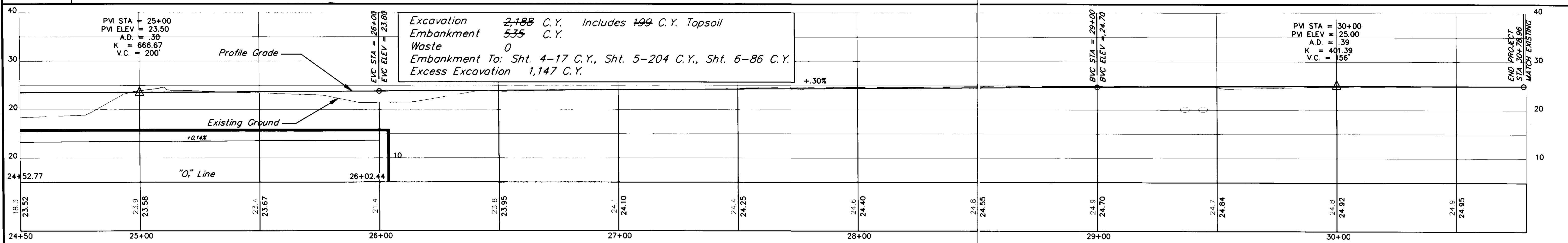
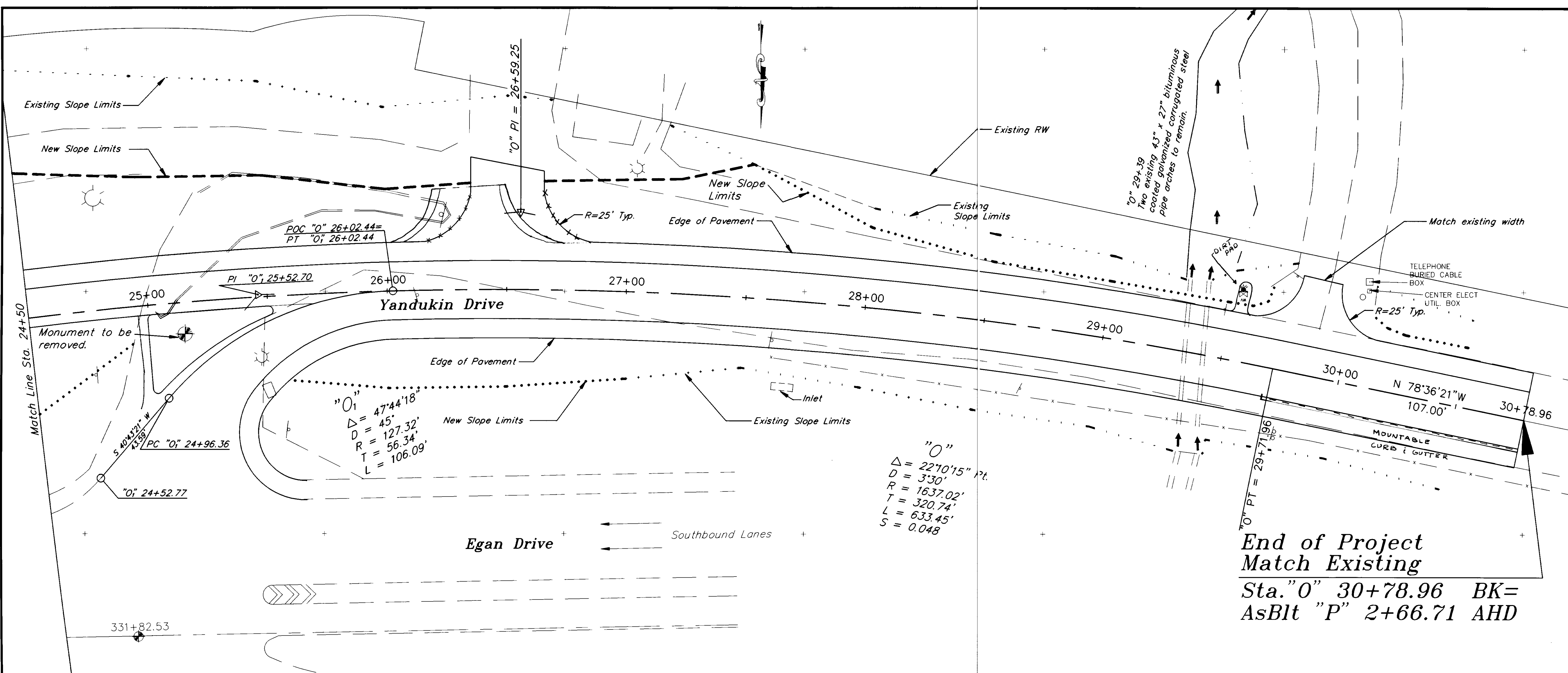
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STATE OF ALASKA  
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 SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU  
 YANDUKIN DR./EGAN EXPRESSWAY INTERSECTION  
 ALASKA  
 STA. 19+00 TO STA. 24+50

DESIGNED BY: **F. MURPHY**  
 DRAWN BY: **AutoCAD/R. SNYDER**  
 CHECKED BY: **D. DOERFLINGER**  
 PROJECT NO. **70612**  
 DATE: **AUG. 1992**  
 SHEET **6** OF **13**





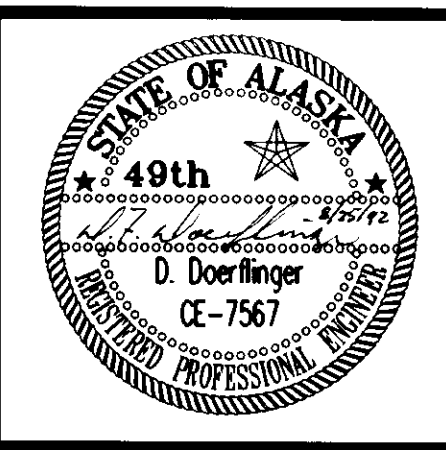
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STATE OF ALASKA  
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SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU  
YANDUKIN DR./EGAN EXPRESSWAY INTERSECTION  
ALASKA  
STA. 24+50 TO STA. 30+78.96

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: **F. MURPHY**  
PROJECT NO. **70612**  
DRAWN BY: **AutoCAD/R. SNYDER**  
DATE: **AUG. 1992**  
CHECKED BY: **D. DOERFLINGER**  
SHEET **7 OF 13**



Sign Summary

| No. | Station     | Dist. from P |       | Code No. | Legend       | Size     | Area S.F. | No. of Posts | Post Size ③ |
|-----|-------------|--------------|-------|----------|--------------|----------|-----------|--------------|-------------|
|     |             | Lt.          | Rt.   |          |              |          |           |              |             |
| 1   | "0" 25+19   |              | 37.5' | R6-1-L   | ONE WAY      | 36"x 12" | 3.0       | 1            | 2.5" P.T.   |
| 2   | "0" 24+86   | 10'          |       | R6-1-R   | ONE WAY      | 36"x 12" | 3.0       | 1            | 2.5" P.T.   |
| 3   | "0" 25+01   | 8'           |       | R4-7     | Symbol       | 24"x 30" | 5.0       | 1            | 2.5" P.T.   |
| 4   | "0" 25+46   | 5'           |       | R4-7     | Symbol       | 24"x 30" | 5.0       | 1            | 2.5" P.T.   |
| 5   | "0" 26+02   |              | 23'   | W6-3     | Symbol       | 36"x 36" | 9.0       | 1②           | 2.5" P.T.   |
| 6   | "0" 26+02   |              | 23'   | R5-1     | DO NOT ENTER | 36"x 36" | 9.0       | 1①           | 2.5" P.     |
| 7   | "0" 20+84   |              | 12'   | W4-1     | MERGE SYMBOL | 48"x 48" | 16.0      | 1②           | 3.0" P.     |
| 8*  | "0" 8+04.20 | 20'          |       | M1-6     | ALASKA 7     | 36"x 36" | 9.0       | 1②           | 2.5" P.     |

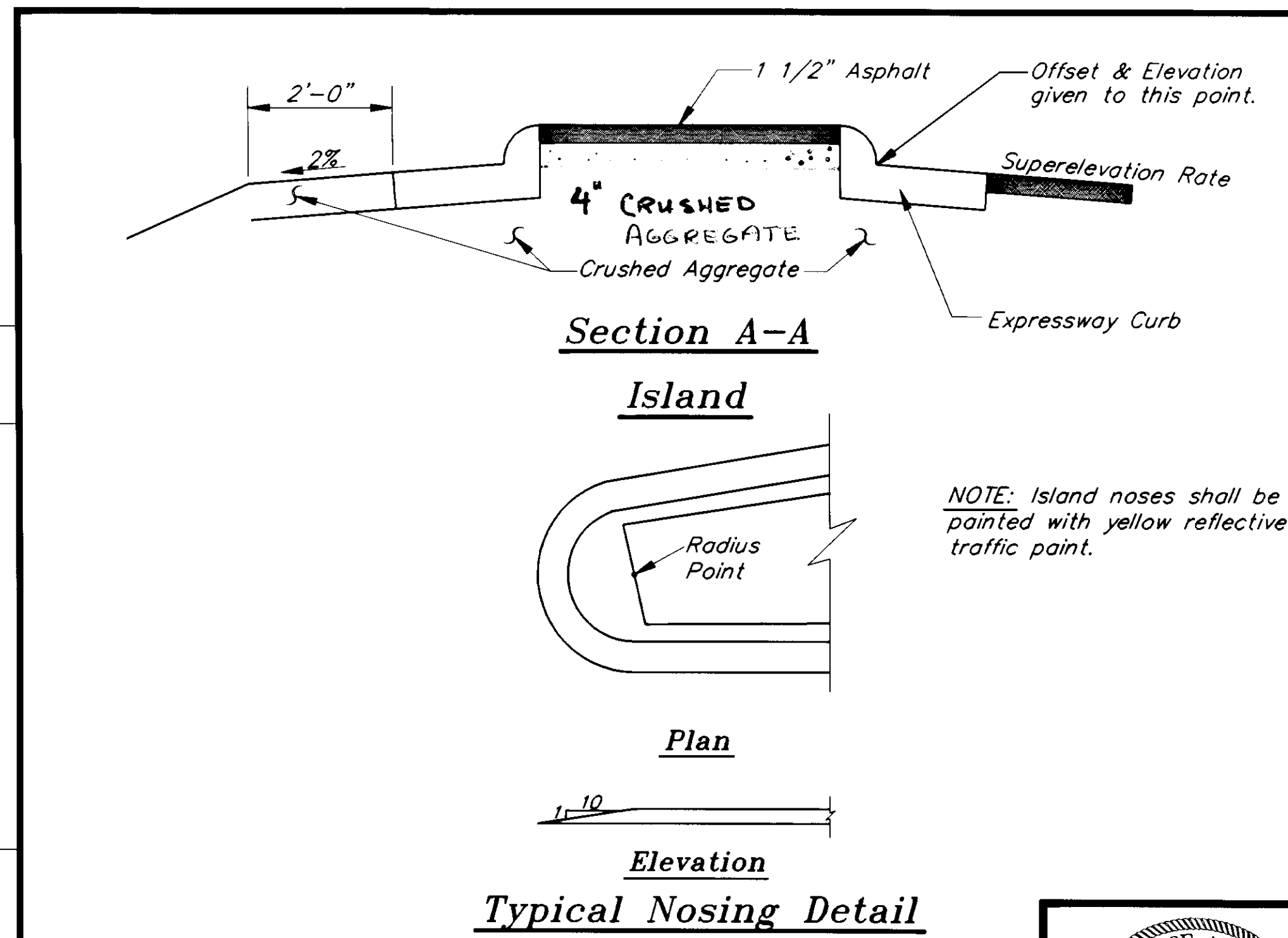
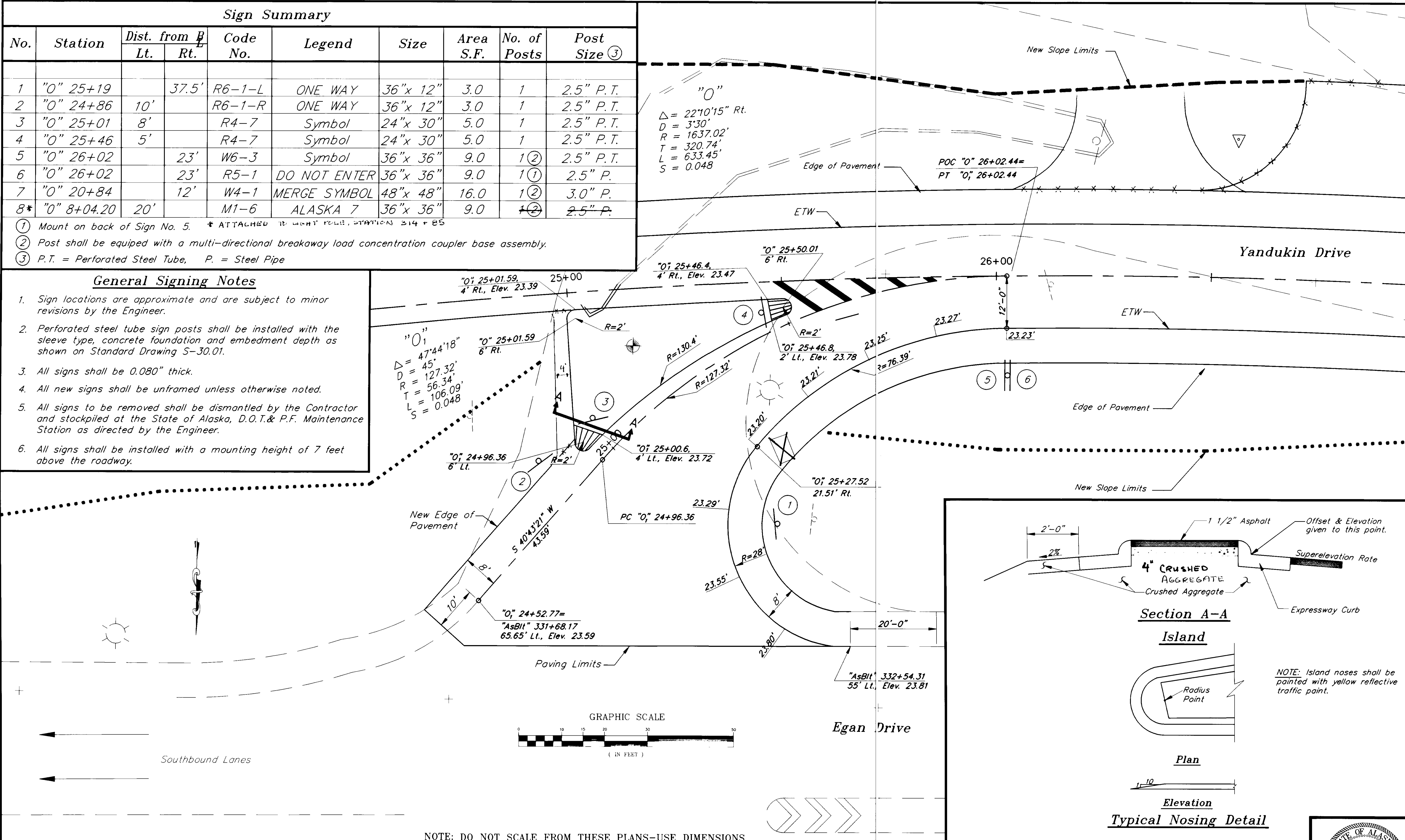
- ① Mount on back of Sign No. 5. \* ATTACHED TO MOUNT POLE, STATION 314 + BS
- ② Post shall be equipped with a multi-directional breakaway load concentration coupler base assembly.
- ③ P.T. = Perforated Steel Tube, P. = Steel Pipe

General Signing Notes

1. Sign locations are approximate and are subject to minor revisions by the Engineer.
2. Perforated steel tube sign posts shall be installed with the sleeve type, concrete foundation and embedment depth as shown on Standard Drawing S-30.01.
3. All signs shall be 0.080" thick.
4. All new signs shall be unframed unless otherwise noted.
5. All signs to be removed shall be dismantled by the Contractor and stockpiled at the State of Alaska, D.O.T. & P.F. Maintenance Station as directed by the Engineer.
6. All signs shall be installed with a mounting height of 7 feet above the roadway.

"0"  
 $\Delta = 22'10"15"$  Rt.  
 $D = 3'30"$   
 $R = 1637.02'$   
 $T = 320.74'$   
 $L = 633.45'$   
 $S = 0.048$

"0"  
 $\Delta = 47'44"18"$   
 $D = 45'$   
 $R = 127.32'$   
 $T = 56.34'$   
 $L = 106.09'$   
 $S = 0.048$



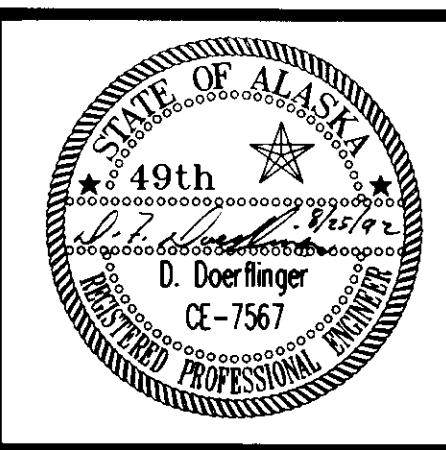
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

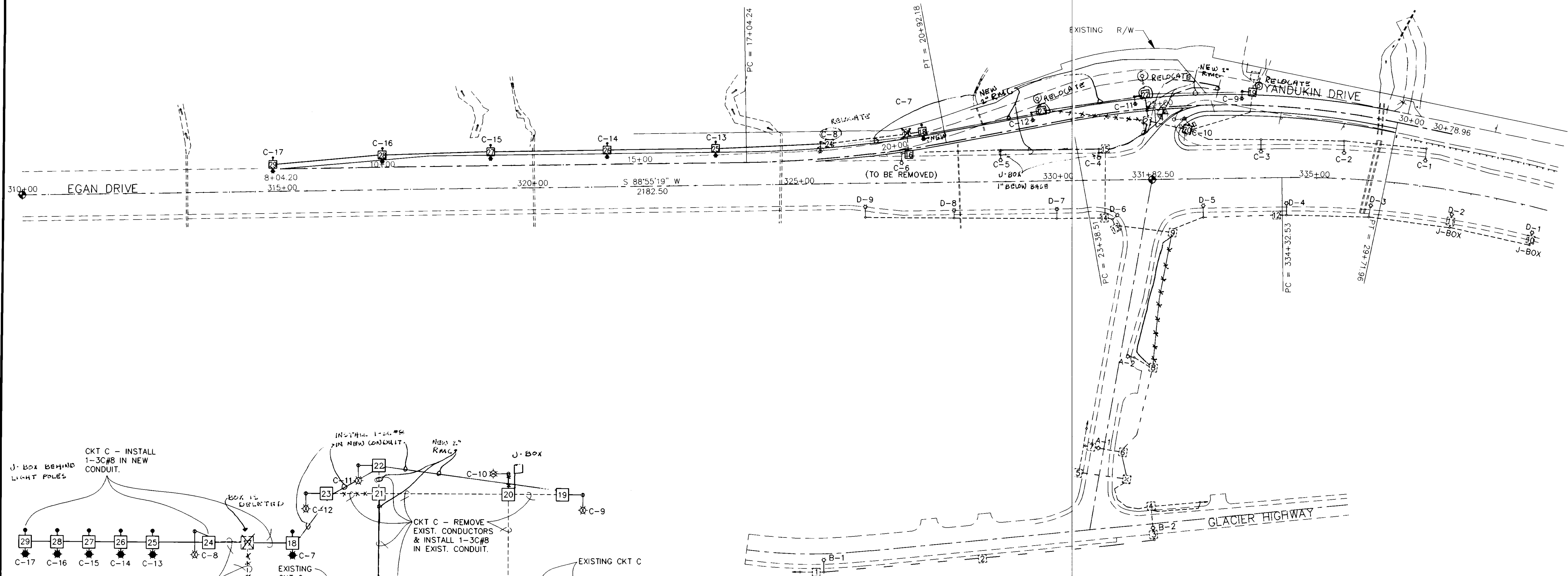
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STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
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 SOUTHEAST REGION DESIGN & CONSTRUCTION

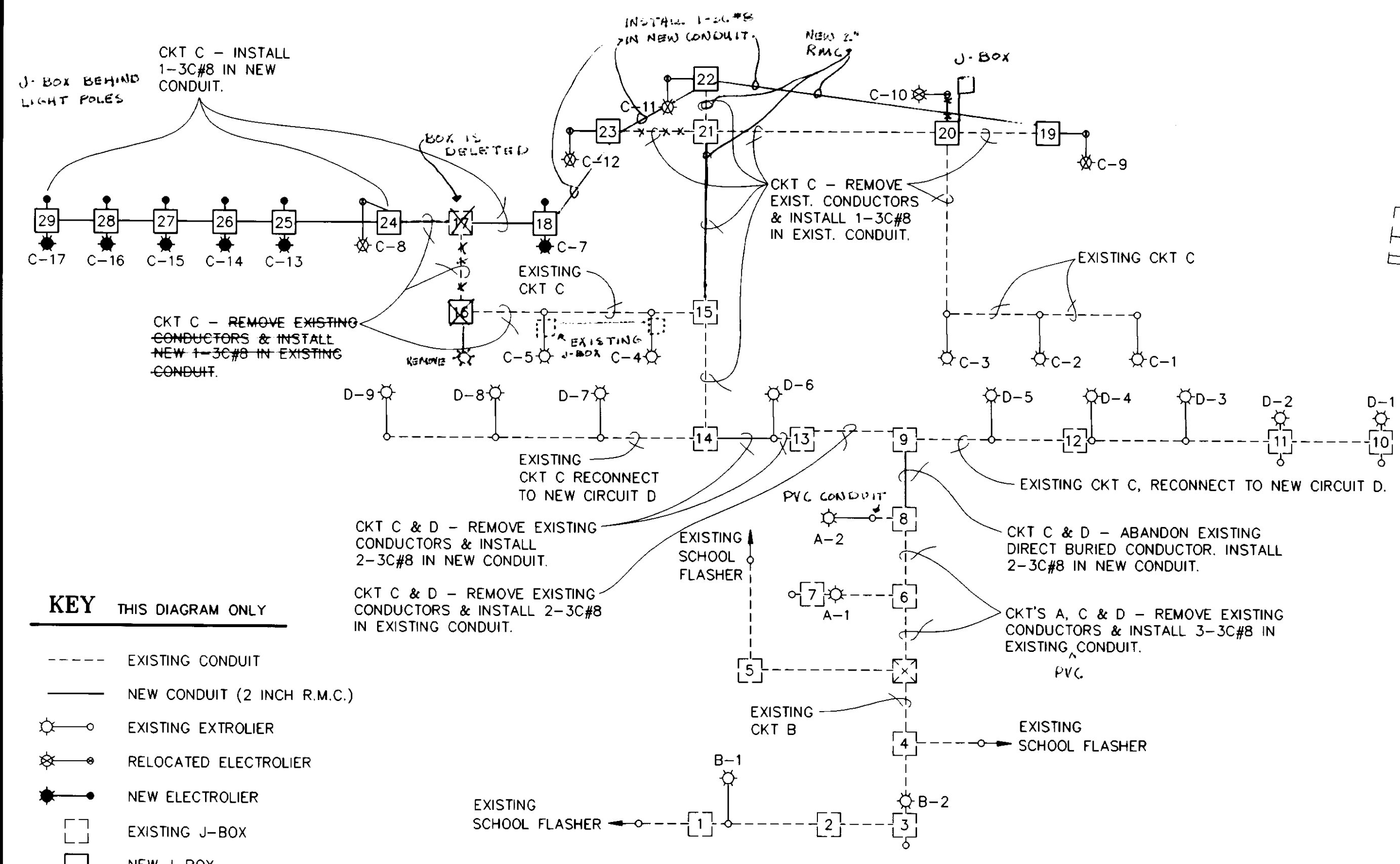
JUNEAU ALASKA  
 YANDUKIN DR./EGAN EXPRESSWAY INTERSECTION  
 INTERSECTION DETAIL

DESIGNED BY: F. MURPHY  
 PROJECT NO. 70612  
 DRAWN BY: AutoCAD/R. SNYDER  
 DATE: AUG. 1992  
 CHECKED BY: D. DOERFLINGER  
 SHEET 8 OF 13





**LIGHTING PLAN**



**CIRCUIT DIAGRAM**

**KEY THIS DIAGRAM ONLY**

- EXISTING CONDUIT
- NEW CONDUIT (2 INCH R.M.C.)
- ⊙ EXISTING EXTROLIER
- ⊗ RELOCATED ELECTROLIER
- ⊙ NEW ELECTROLIER
- EXISTING J-BOX
- NEW J-BOX
- ⊗ EXISTING LOAD CENTER
- ⊙ SCHOOL FLASHER
- X-3C#8 X 3 CONDUCTOR NO. 8 AWG ILLUMINATION CABLES

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

| BY: | DATE: | DESCRIPTION OF CHANGE: |
|-----|-------|------------------------|
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|     |       |                        |
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STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU  
 YANBUKIN DR./EGAN EXPRESSWAY INTERSECTION  
 ILLUMINATION SCHEMATIC

|                                |                      |
|--------------------------------|----------------------|
| DESIGNED BY:<br>J. AHLGREN     | PROJECT NO.<br>70612 |
| DRAWN BY:<br>AutoCAD/R. SNYDER | DATE:                |
| CHECKED BY:<br>K. SMITH        | SHEET 9 OF 13        |

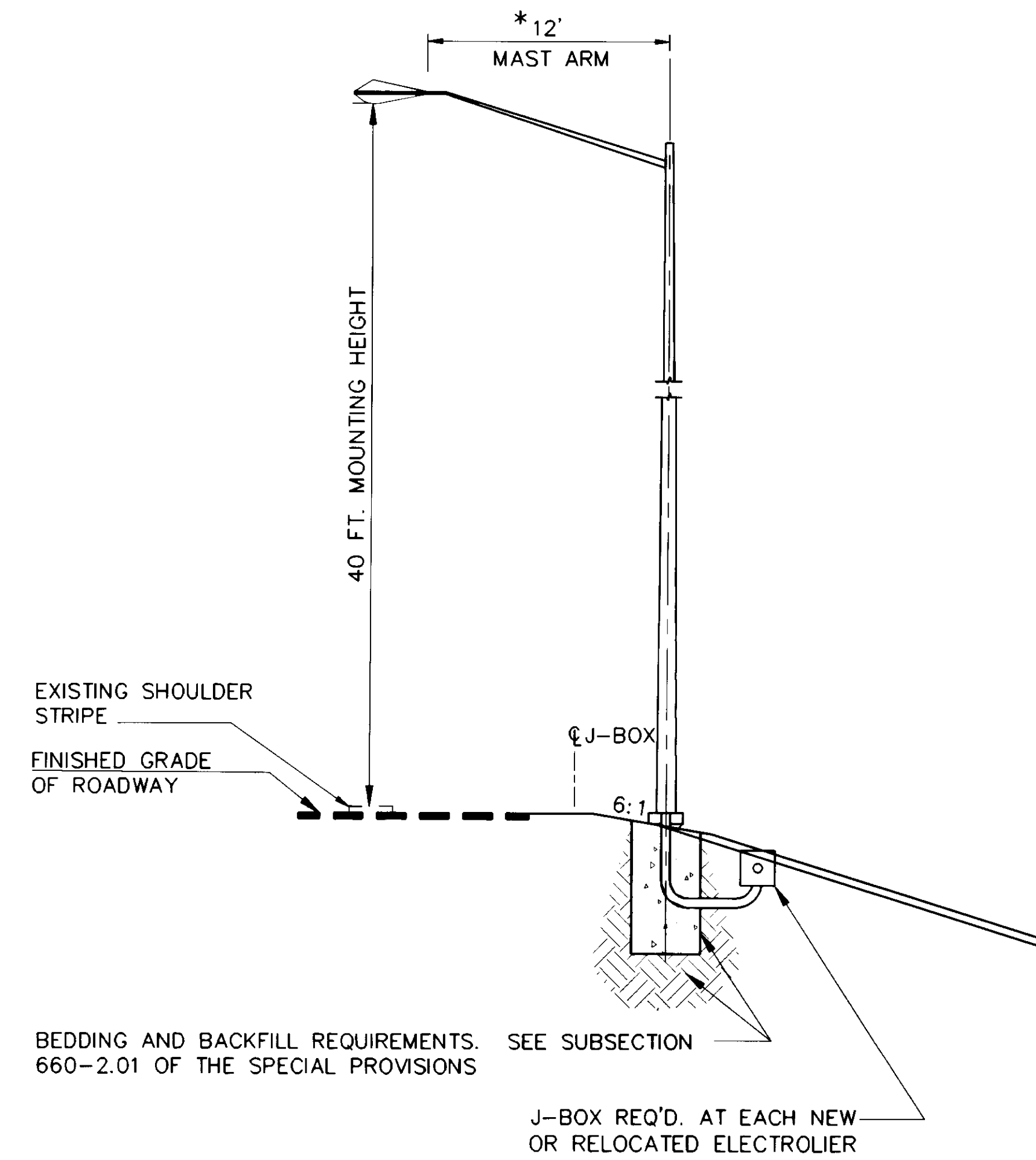


**LIGHTING SUMMARY**

| ELECTROLIER NO. | J-BOX NO. | EXISTING  |         | PROPOSED    |         | RELOCATE | NEW | REMARKS                              |
|-----------------|-----------|-----------|---------|-------------|---------|----------|-----|--------------------------------------|
|                 |           | STATION   | OFFSET  | STATION     | OFFSET  |          |     |                                      |
|                 | 16        |           |         | "O" 20+30   | 10' RT. |          | X   |                                      |
| C-6             |           | "O" 20+24 | 9' RT.  |             |         |          |     | REMOVE EXISTING                      |
| C-7             | 18        |           |         | "O" 20+57   | 24' LT. |          | X   |                                      |
|                 |           |           |         | "O" 20+57   | 26' LT. |          | X   |                                      |
| C-8             | 24        | "O" 18+50 | 29' LT. | "O" 18+50   | 29' LT. | X        |     | RAISE TO MATCH GRADE                 |
|                 |           |           |         | "O" 18+50   | 22' LT. |          | X   |                                      |
| C-9             | 19        | "O" 27+04 | 50' LT. | "O" 26+70   | 24' LT. | X        |     |                                      |
|                 |           | "O" 26+95 | 54' LT. | "O" 26+91   | 22' LT. |          | X   | REMOVE & DISPOSE EXISTING            |
| C-10            | 20        | "O" 25+46 | 25' RT. | "O" 25+61   | 40' RT. | X        |     | ORIENT MAST ARM 90° TO EDGE OF PWMT. |
|                 |           | "O" 25+50 | 39' RT. | "O" 25+53   | 45' RT. |          | X   | REMOVE & DISPOSE EXISTING            |
| C-11            | 22        | "O" 24+81 | 46' LT. | "O" 24+66   | 24' LT. | X        |     |                                      |
|                 |           |           |         | "O" 24+80   | 22' LT. |          | X   |                                      |
| C-12            | 23        | "O" 22+70 | 27' LT. | "O" 22+64   | 24' LT. | X        |     |                                      |
|                 |           |           |         | "O" 22+87   | 22' LT. |          | X   |                                      |
| C-13            | 25        |           |         | "O" 16+35   | 24' LT. |          | X   |                                      |
|                 |           |           |         | "O" 16+35   | 26' LT. |          | X   |                                      |
| C-14            | 26        |           |         | "O" 14+24   | 24' LT. |          | X   |                                      |
|                 |           |           |         | "O" 14+24   | 26' LT. |          | X   |                                      |
| C-15            | 27        |           |         | "O" 12+13   | 24' LT. |          | X   |                                      |
|                 |           |           |         | "O" 12+13   | 26' LT. |          | X   |                                      |
| C-16            | 28        |           |         | "O" 10+00   | 18' LT. |          | X   |                                      |
|                 |           |           |         | "O" 10+00   | 20' LT. |          | X   |                                      |
| C-17            | 29        |           |         | "AB" 314+85 | 51' LT. |          | X   |                                      |
|                 |           |           |         | "AB" 314+85 | 53' LT. |          | X   | 15' MAST ARM                         |

**GENERAL NOTES :**

- ALL NEW CONDUIT SHALL BE 2" GALVANIZED RIGID METAL (RMC).
- REMOVE EXISTING CONDUCTORS AND REPLACE WITH NEW 3 CONDUCTOR (3c) CABLE WHEN ADDITIONAL CIRCUIT IS ADDED TO SAME CONDUIT.
- DESIGN DATA, THE ILLUMINATION SYSTEM INSTALLED UNDER THIS PROJECT IS DESIGNED TO MEET THE FOLLOWING AASHTO REQUIREMENTS:  
MOUNTING HEIGHT - 40 FT.  
ROADWAY CLASSIFICATION - EXPRESSWAY RESIDENTIAL  
AVERAGE ILLUMINANCE - 0.8 FOOT CANDLES  
UNIFORMITY RATIO - 3:1 (avg./min.)  
BREAKAWAY STANDARDS - SECTION 7 OF THE 1985 AASHTO SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.
- ELECTROLIERS SHALL BE DESIGNED TO WITHSTAND AN AASHTO 100 MPH WIND LOAD.
- LUMINAIRES SHALL BE A ANSI-IES (AMERICAN NATIONAL STANDARD INSTITUTE-ILLUMINATION ENGINEERING STANDARDS) MEDIUM SEMI CUTOFF TYPE III, WITH 250 WATT HIGH PRESSURE SODIUM LAMPS, 480 VOLTS, WITH THE OPTICAL ASSEMBLY FILTERED BY A CHARCOAL FILTER.
- ALL JUNCTION BOXES SHALL BE TYPE I, SEE STANDARD DRAWING L-23.00.
- ALL MAST ARMS SHALL BE 12 FEET LONG, UNLESS OTHERWISE NOTED.
- ALL EXISTING ELECTROLIERS HAVE STANDARD SLIP BASES. SEE STANDARD DRAWING L-10.02 FOR DETAILS.
- ALL NEW ELECTROLIERS SHALL HAVE MULTI-DIRECTIONAL BREAKAWAY COUPLINGS.
- PRE-CAST FOUNDATIONS MAY BE TRANSPORTED USING TWO OR MORE FEMALE CONCRETE ANCHORS, TWO ONE INCH BOLTS, AND A DEVICE THAT SPREADS THE LOAD EVENLY BETWEEN THE TWO ANCHORS.
- EXISTING ELECTROLIER FOUNDATIONS MAY BE RE-USED. NEW FOUNDATIONS SHALL BE EITHER PRECAST OR CAST IN DRILLED HOLE. NEW FOUNDATIONS FOR EXISTING ELECTROLIERS SHALL BE TYPE II AS SHOWN ON STANDARD DRAWING L-30.02. NEW FOUNDATIONS FOR NEW ELECTROLIERS SHALL CONFORM TO THE "FOUNDATIONS WITH BREAKAWAY COUPLINGS" DETAIL ON THE FOLLOWING PAGE OF THIS PLAN SET.
- THE REMOVED POLE AND MAST ARM SHALL BE DELIVERED TO DOT/PF MAINTENANCE AT 6860 GLACIER HIGHWAY (7 MILE).
- AT EXISTING ELECTROLIERS C-4 AND C-5 REMOVE EMBANKMENT AROUND BASES AS PER "FOUNDATION INSTALLATION DETAIL" THIS PLAN SET, AND REGRADE ROADWAY SHOULDER.



\* EXCEPT WHERE NOTED

**TYPICAL SECTION FOR ELECTROLIER**

**NOTE:**

ALTHOUGH THIS CONTRADICTS THE PLAN VIEW AND SCHEMATIC IN SOME CASES, J-BOXES AT ELECTROLIERS SHALL BE LOCATED ON THE BACK SIDE OF THE ELECTROLIER ( THE SIDE AWAY FROM THE ROAD ) AND IN THE ROADWAY FILL SLOPE, AS SHOWN ABOVE.

**BREAKERS FOR EXISTING LOAD CENTER**

| BREAKER NO. | CIRCUIT | EXISTING AMPERAGE | NEW AMPERAGE |
|-------------|---------|-------------------|--------------|
| 1           | A       | 20                |              |
| 2           | B       | 20                |              |
| 3           | C       | 20                |              |
| 4           | D       | 40 (SPARE)        | 20           |

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

| BY: | DATE: | DESCRIPTION OF CHANGE: |
|-----|-------|------------------------|
|     |       |                        |
|     |       |                        |
|     |       |                        |

**RECORD OF REVISIONS**

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU

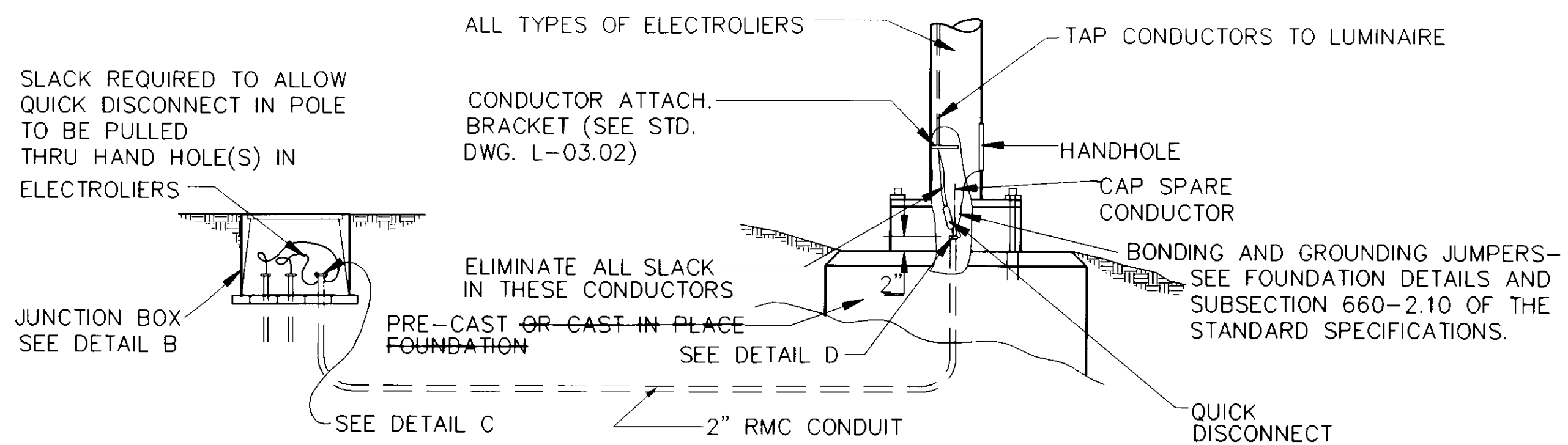
YANDUKIN DR./EGAN EXPRESSWAY INTERSECTION

ALASKA

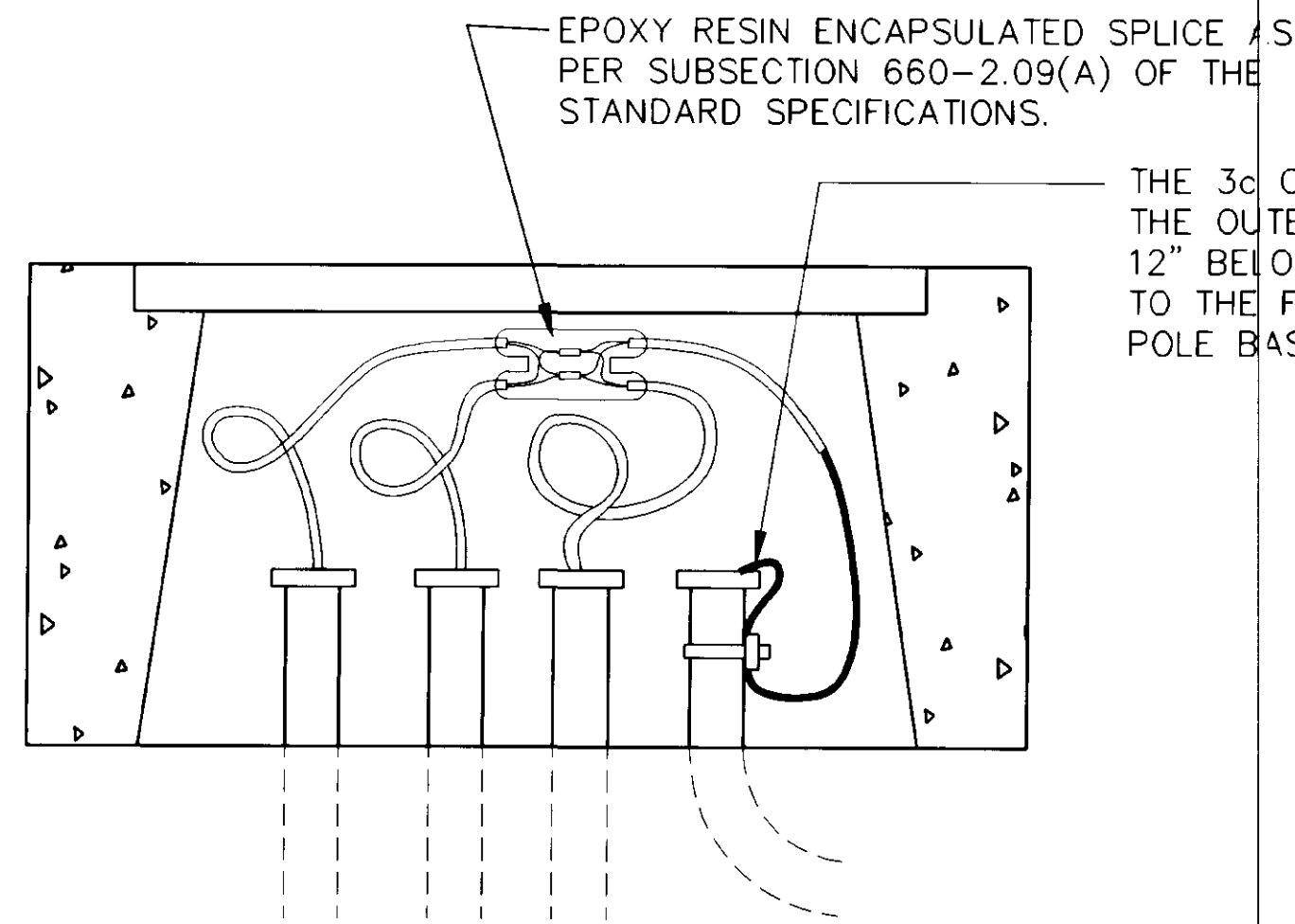
DESIGNED BY: J. AHLGREN  
DRAWN BY: AutoCAD/R. SNYDER  
CHECKED BY: K. SMITH

PROJECT NO. 70612  
DATE: AUG. 1992  
SHEET 10 OF 13

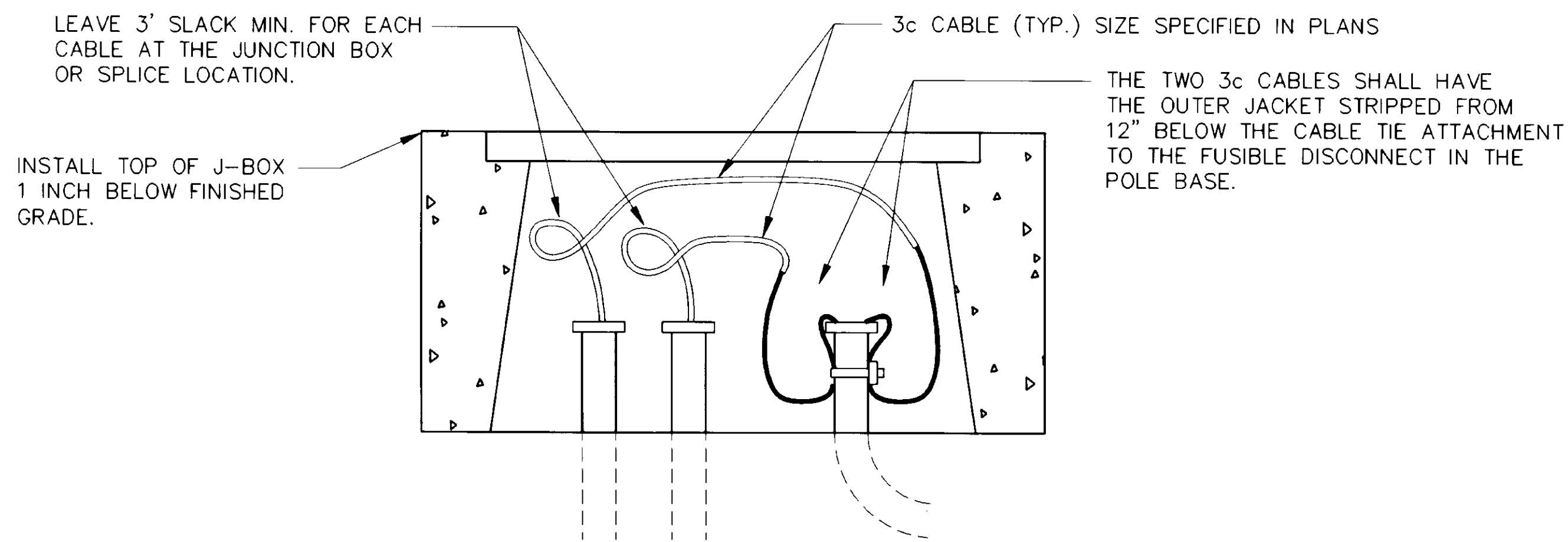




**LIGHTING SYSTEM POLE AND J-BOX WIRING DETAILS**

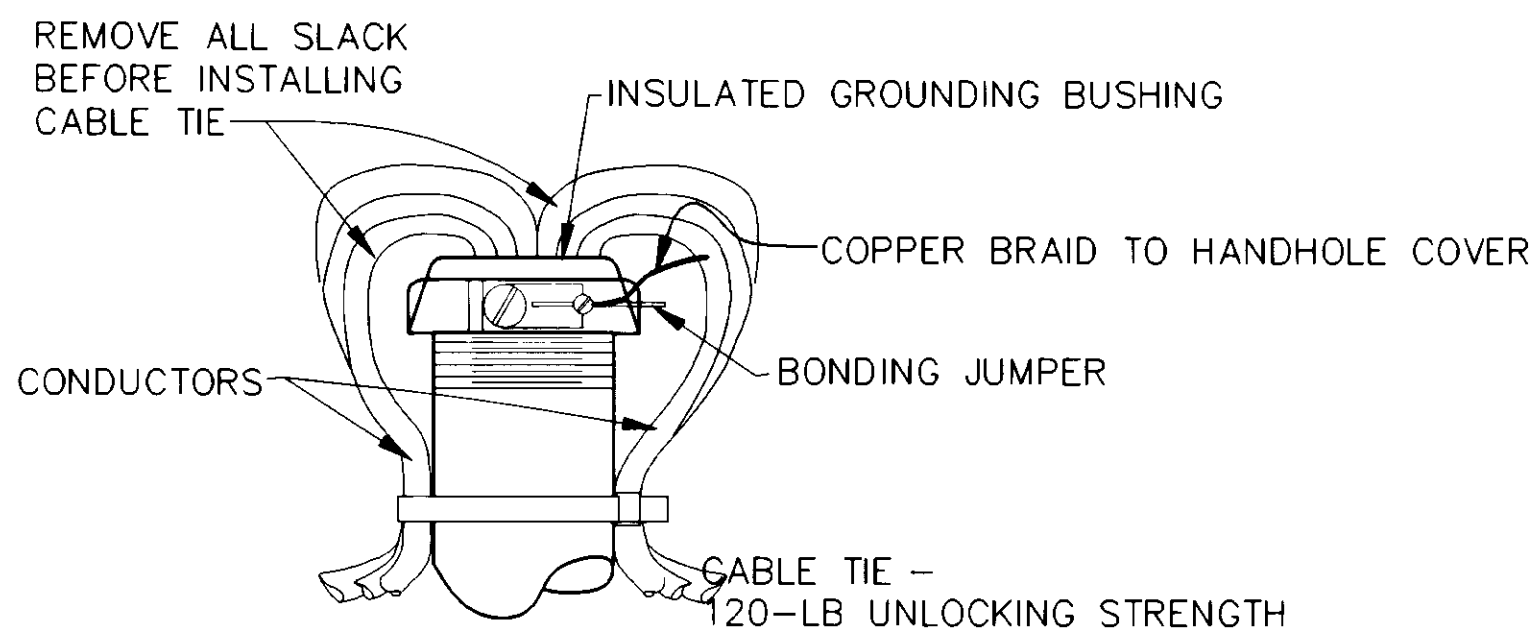


**DETAIL A**

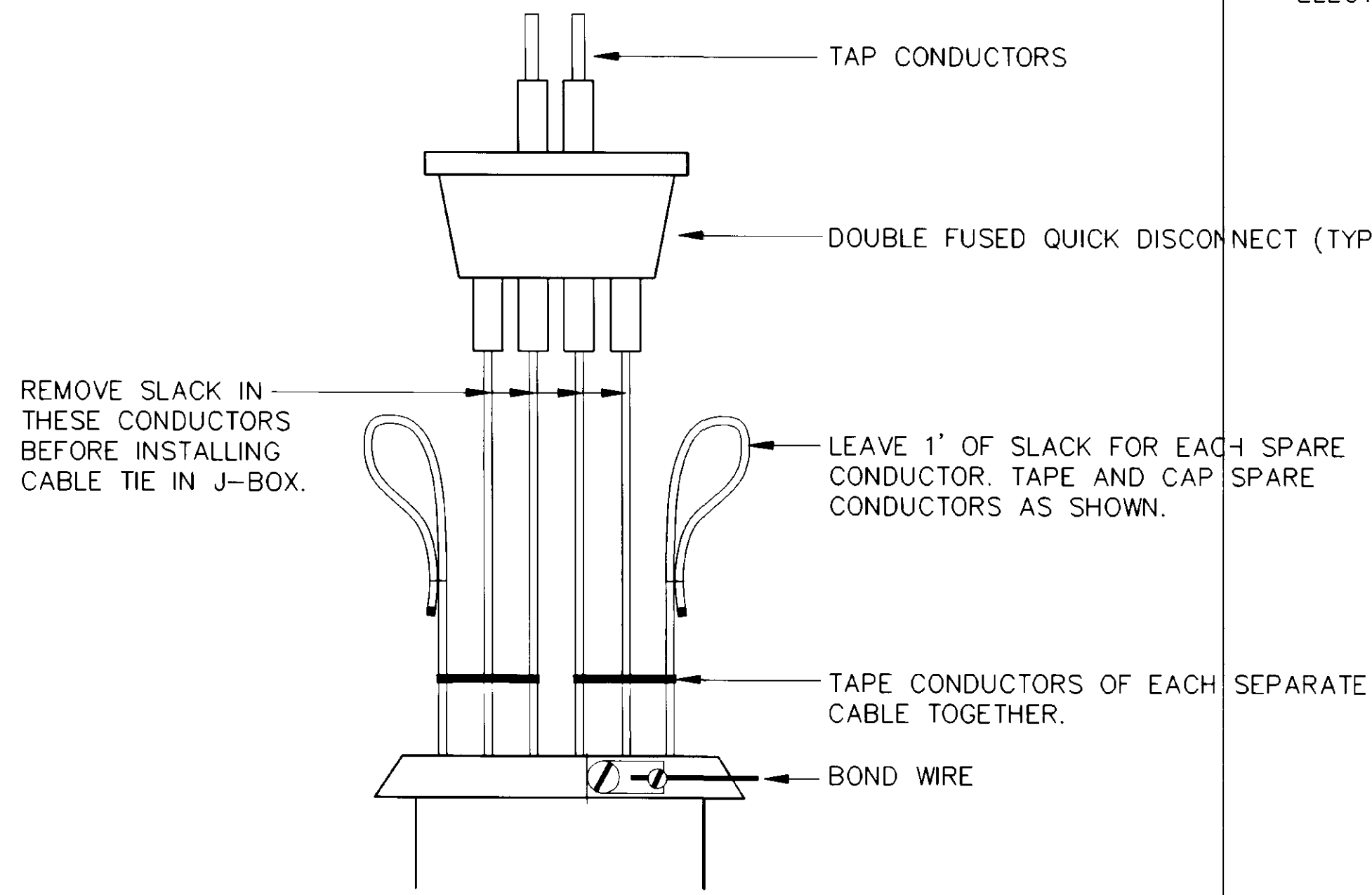


**DETAIL B**

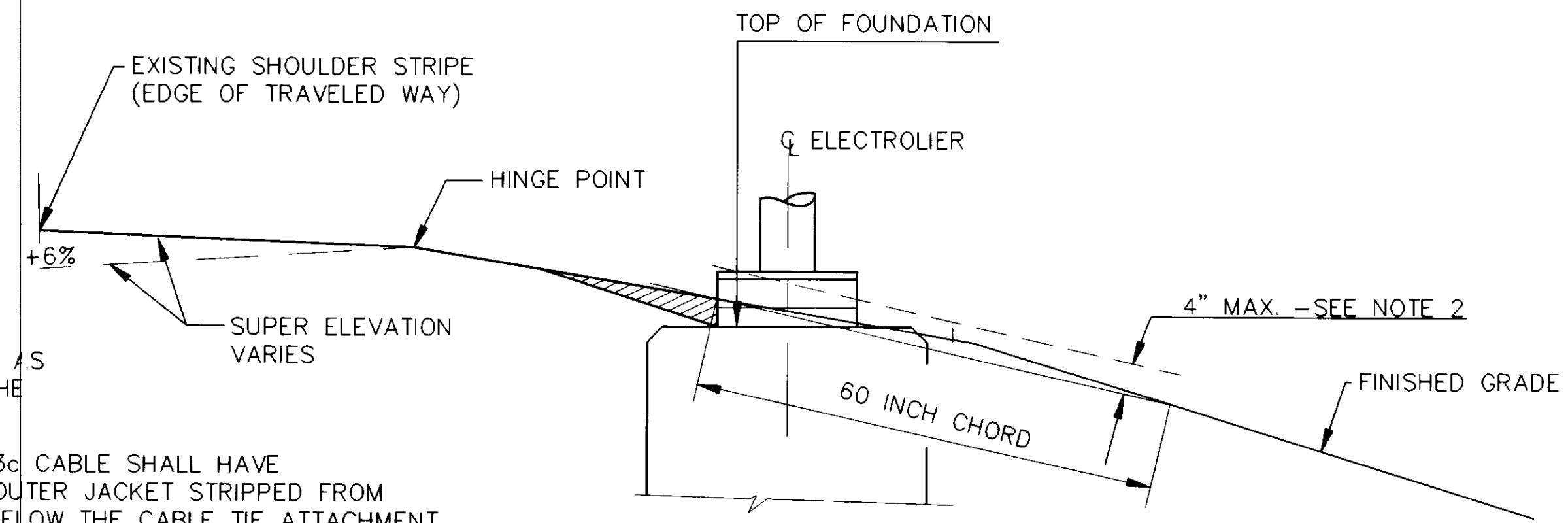
NOTE: SEE DETAIL "A" FOR FOUR-WAY SPLICE



**DETAIL C**  
( IN J-BOX )



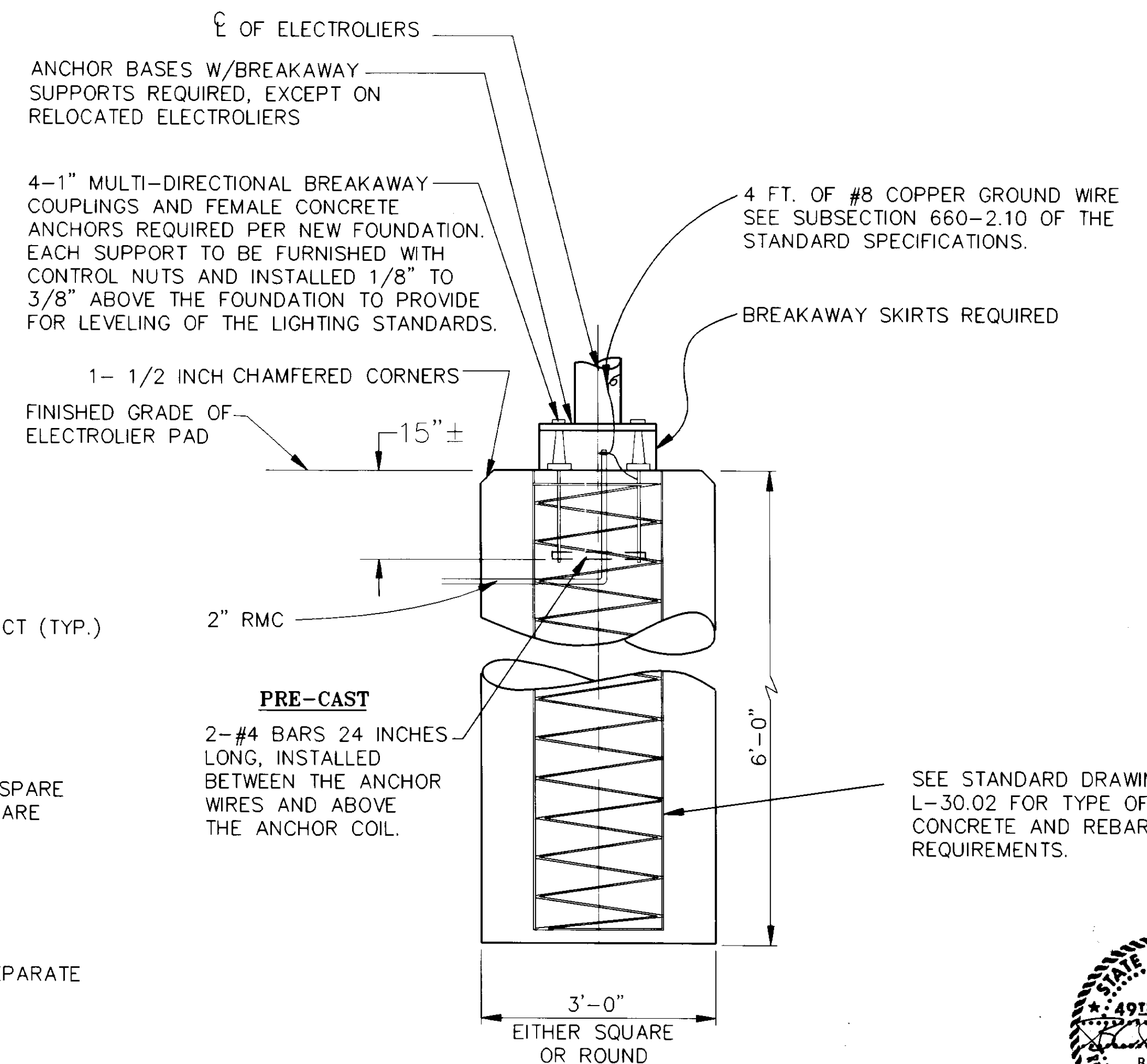
**DETAIL D**  
( IN POLE BASE )



**FOUNDATION INSTALLATION DETAIL**

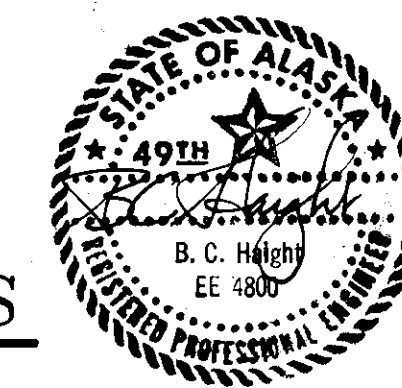
**NOTES**

- NON BREAKAWAY PORTIONS OF NEW AND RELOCATED FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 4 INCHES ABOVE ANY 60 INCH CHORD STARTING AND ENDING ON FINISHED GRADE.
- INDICATES EMBANKMENT MATERIAL TO BE REMOVED AROUND BREAKAWAY SKIRTS.



**FOUNDATION WITH BREAKAWAY COUPLINGS**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



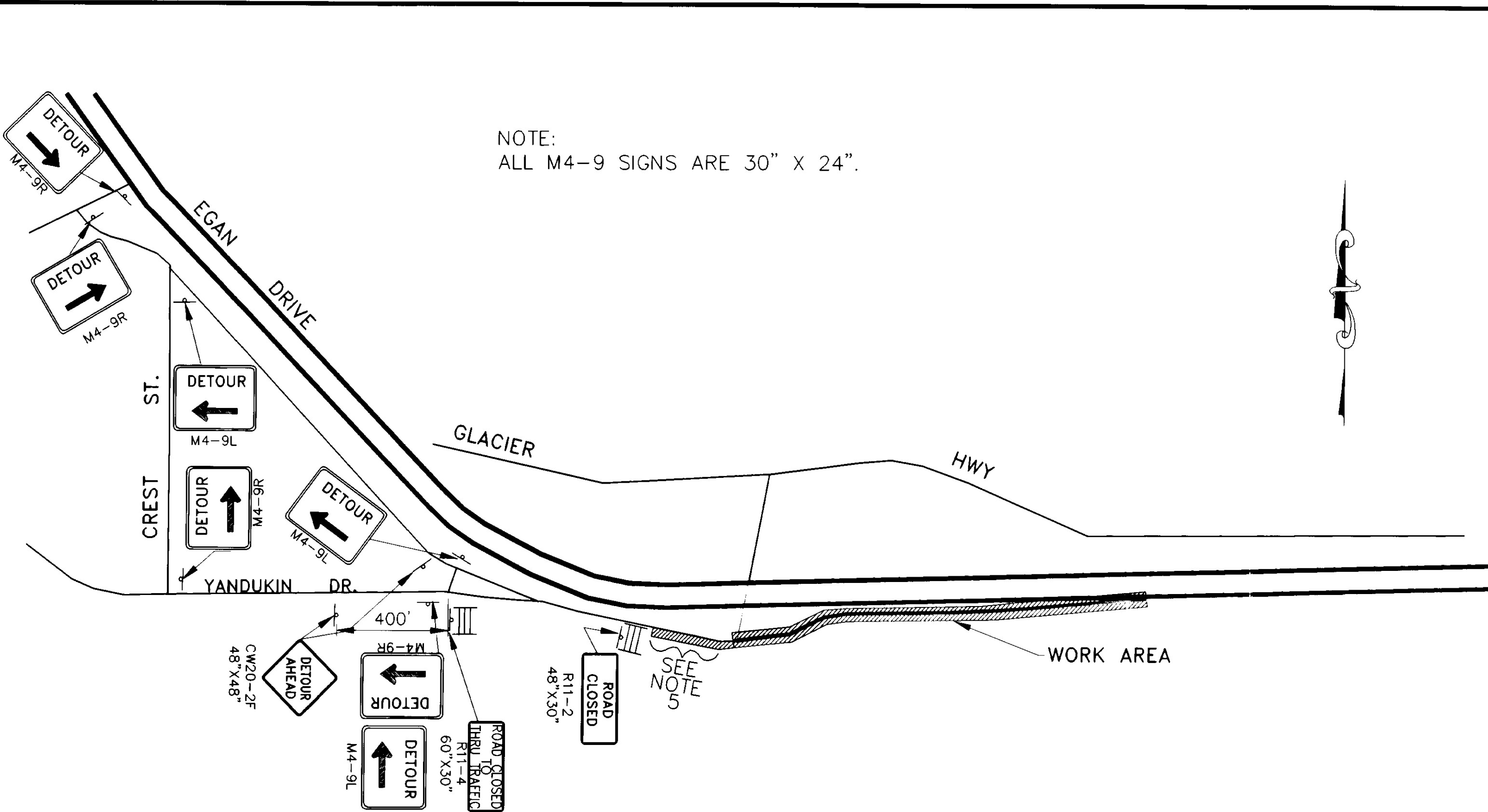
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STATE OF ALASKA  
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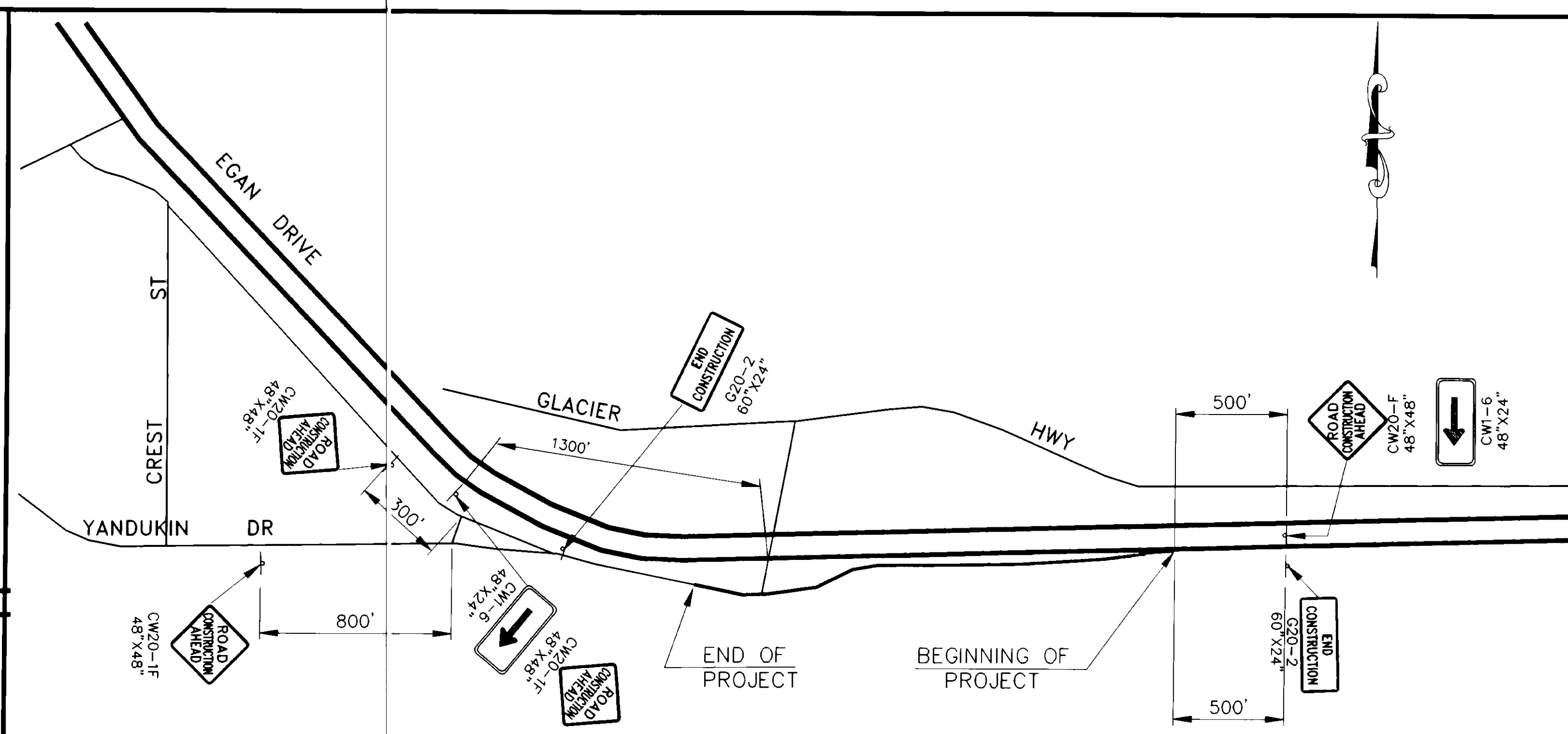
JUNEAU YANDUKIN DR./EGAN EXPRESSWAY INTERSECTION ALASKA  
**ILLUMINATION DETAILS**

|                                |                      |
|--------------------------------|----------------------|
| DESIGNED BY:<br>J. AHLGREN     | PROJECT NO.<br>70612 |
| DRAWN BY:<br>AutoCAD/R. SNYDER | DATE:                |
| CHECKED BY:<br>K. SMITH        | SHEET 11 OF 13       |

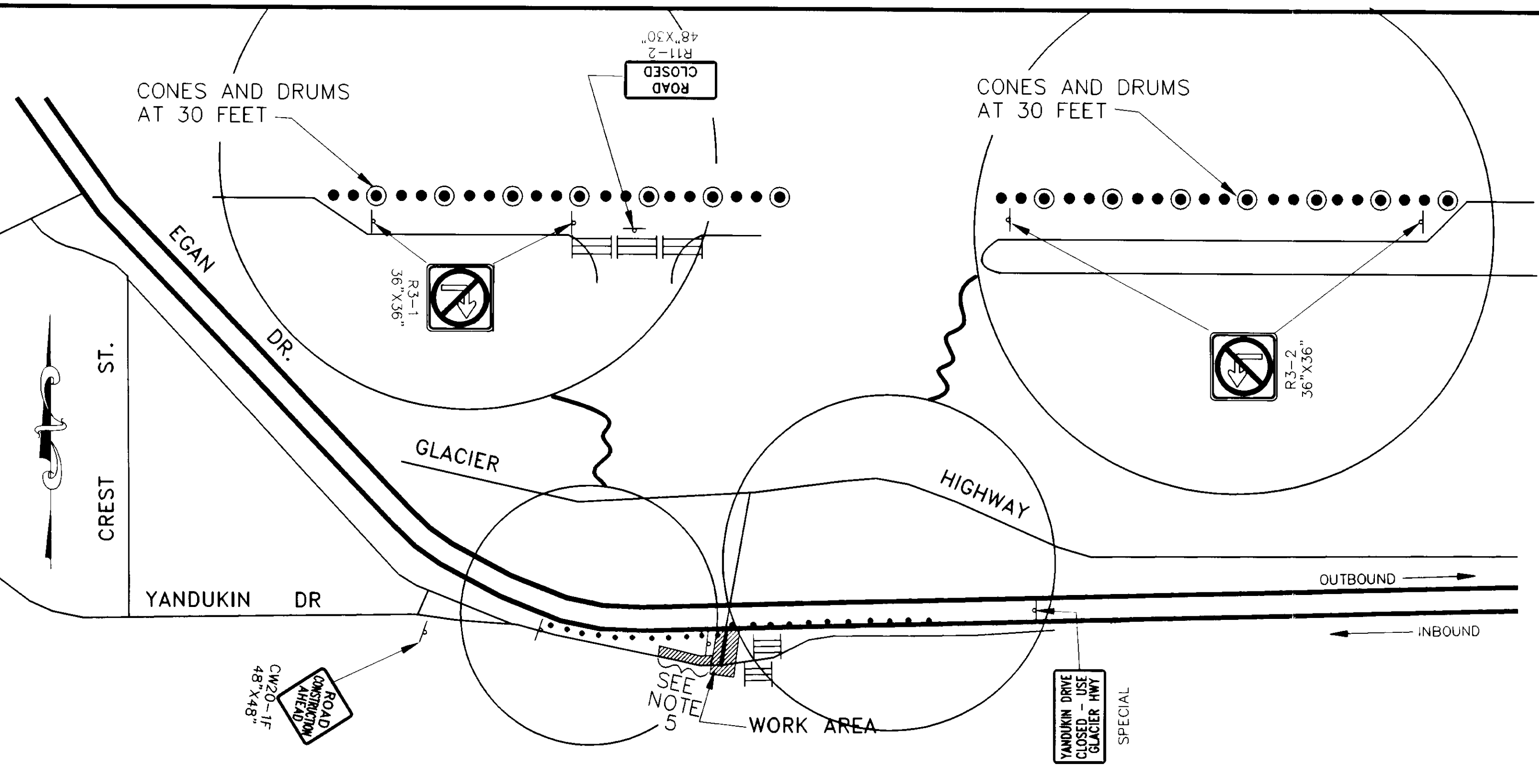
NOTE:  
ALL M4-9 SIGNS ARE 30" X 24".



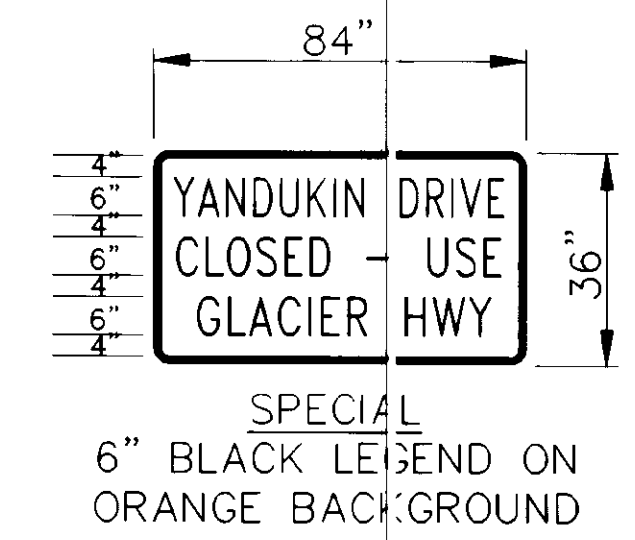
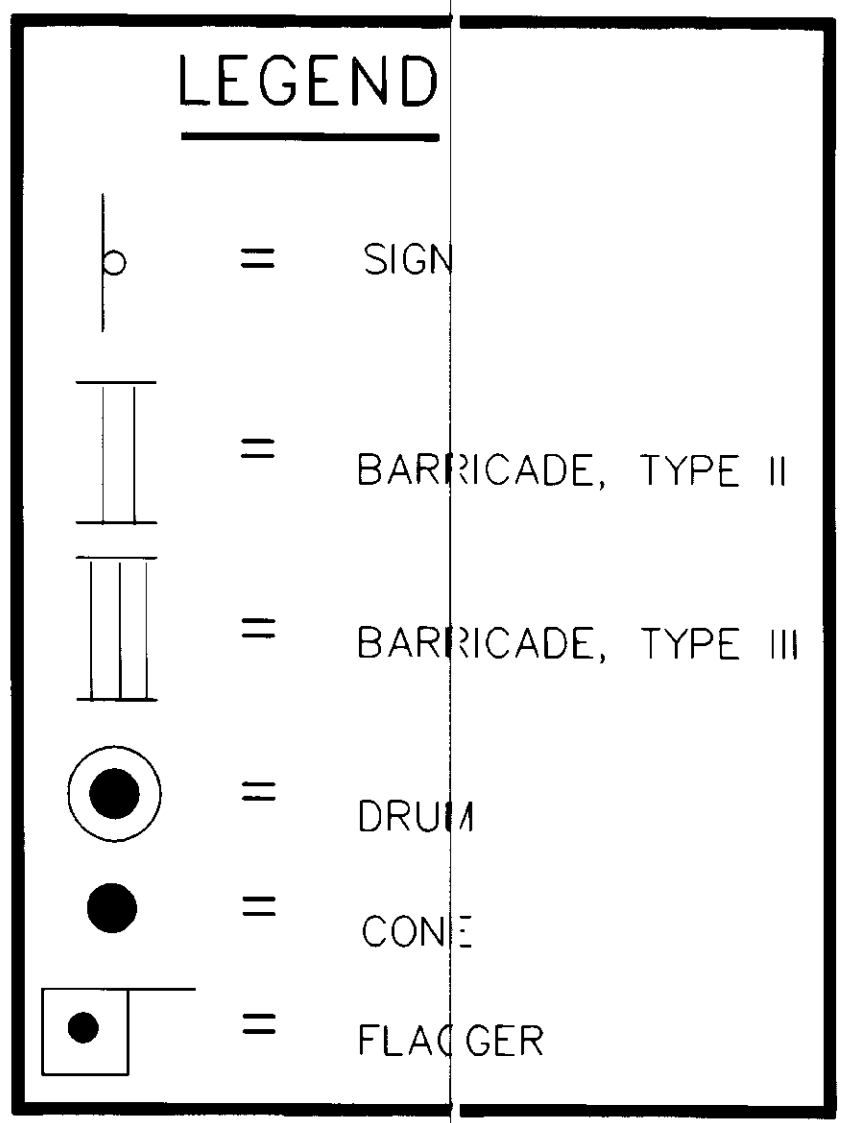
**(A) TRAFFIC CONTROL PLAN - ROAD CLOSED TO EASTBOUND TRAFFIC ONLY**



**PERMANENT CONSTRUCTION SIGNS**



**(B) TRAFFIC CONTROL PLAN - ROAD CLOSED TO WESTBOUND TRAFFIC ONLY**



**NOTES**

1. SPACING AND PLACEMENT OF SIGNS, AND OTHER DEVICES SHALL BE AS SHOWN ON THE STANDARD DRAWINGS AND ALASKA TRAFFIC MANUAL.
2. EGAN DRIVE INBOUND THROUGH LANES SHALL NOT HAVE ANY RESTRICTIONS TO TRAFFIC FLOW, BETWEEN 7:00 A.M. AND 8:30 A.M., MONDAY THROUGH FRIDAY.
3. ONLY ONE DIRECTION OF TRAFFIC MAY BE CLOSED AT A TIME.
4. ONE DIRECTIONAL CLOSURES (A & B) MAY BE EXTENDED TO THE E.O.P. BY ADJUSTING SIGN & BARRICADE LOCATIONS PROPORTIONATELY.
5. WHEN ONLY ONE-WAY TRAFFIC IS ALLOWED BETWEEN STATION 26+00 AND THE E.O.P., THE TRAVELED WAY AND THE WORK AREA SHALL BE SEPARATED BY CONES SPACED AT 20 FEET.
6. WESTBOUND TRAFFIC MAY NOT BE CLOSED BETWEEN THE HOURS OF 4:00 AND 6:00 P.M. ON WEEKDAYS.

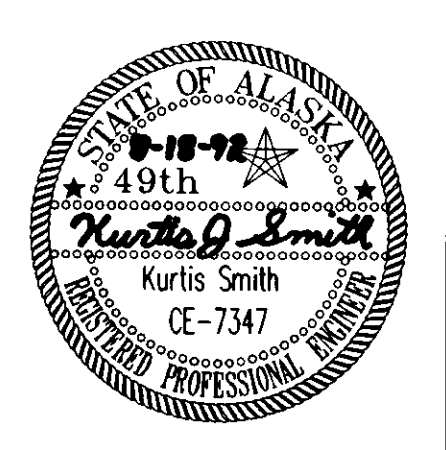
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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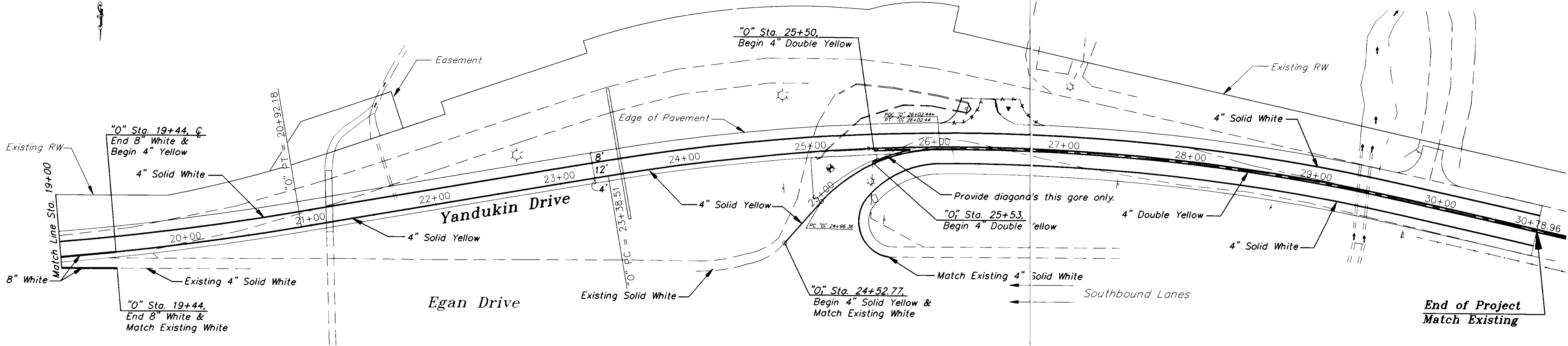
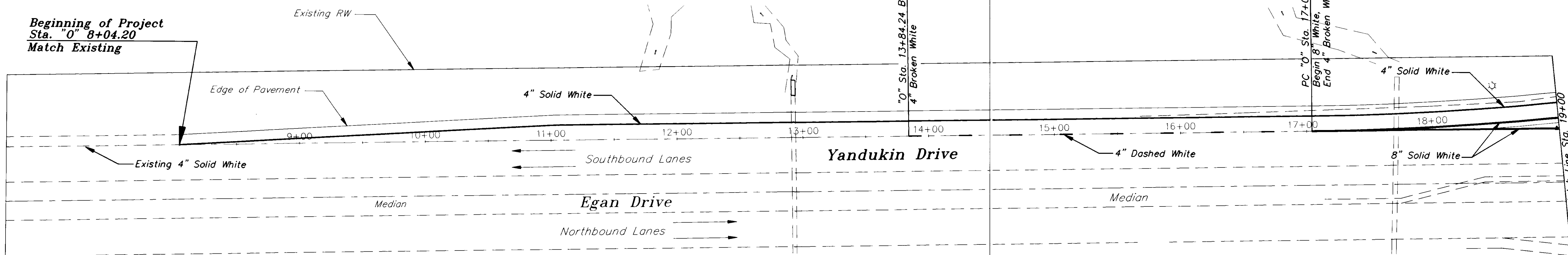
STATE OF ALASKA  
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SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU ALASKA  
YANDUKIN DR./EGAN EXPRESSWAY INTERSECTION  
**TRAFFIC CONTROL PLAN**

|                                |                      |
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| CHECKED BY:<br>K. SMITH        | SHEET12 OF13         |



Beginning of Project  
Sta. "0" 8+04.20  
Match Existing



NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

| BY: | DATE: | DESCRIPTION OF CHANGE: |
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SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU  
YANDUKIN DR./EGAN EXPRESSWAY INTERSECTION  
STRIPING PLAN

ALASKA

|                                |                      |
|--------------------------------|----------------------|
| DESIGNED BY:<br>J. AHLGREN     | PROJECT NO.<br>70612 |
| DRAWN BY:<br>AutoCAD/R. SNYDER | DATE:                |
| CHECKED BY:<br>K. SMITH        | SHEET 13 OF 13       |

