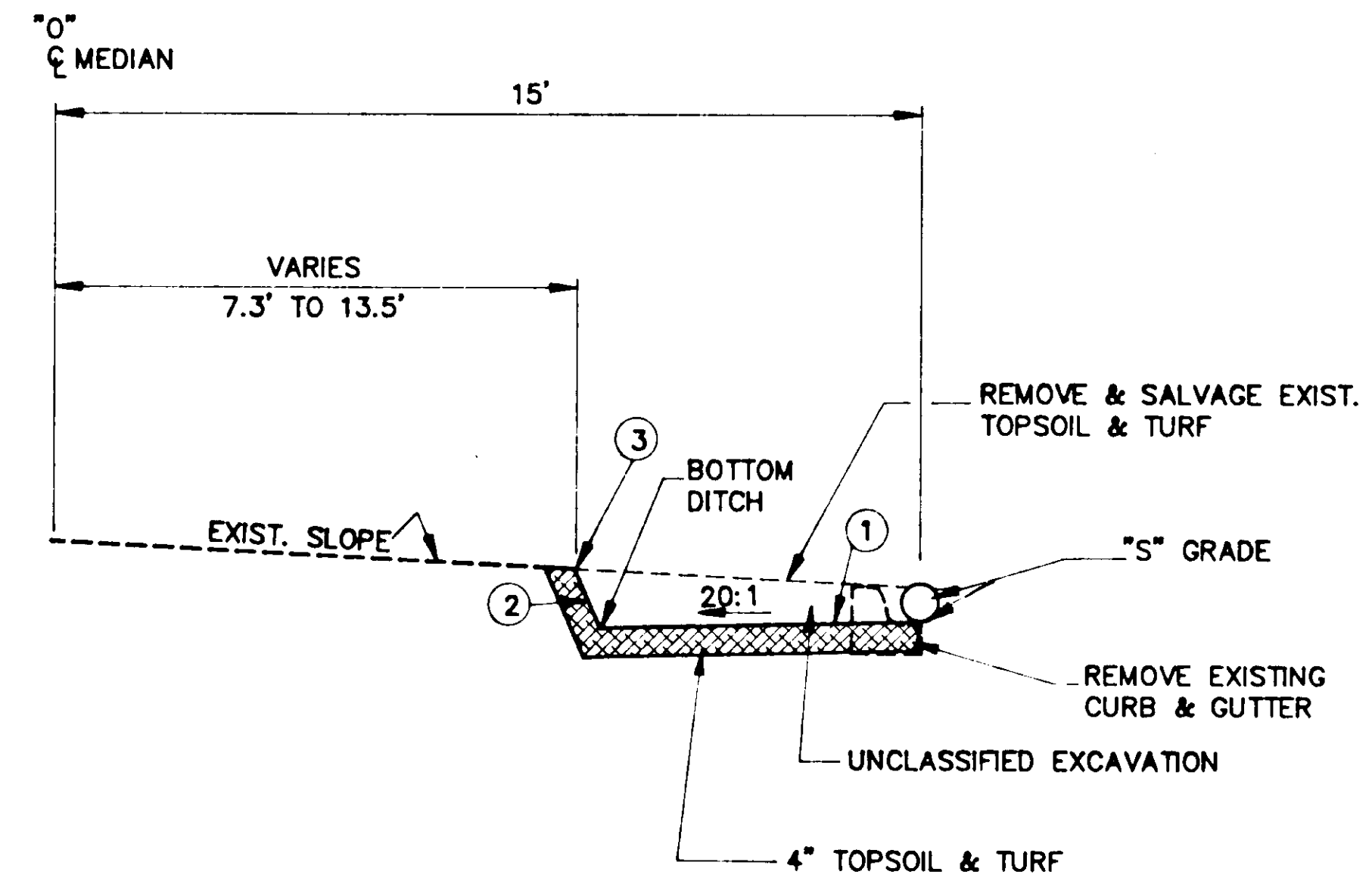


\* SEE MEDIAN SPECIAL DITCH PROFILE PLAN AND PROFILE SHEET 4  
 \*\* APPROX. GRADE OF BOTH PAVEMENT EDGES, SEE "S" PROFILE, SHEET 4.

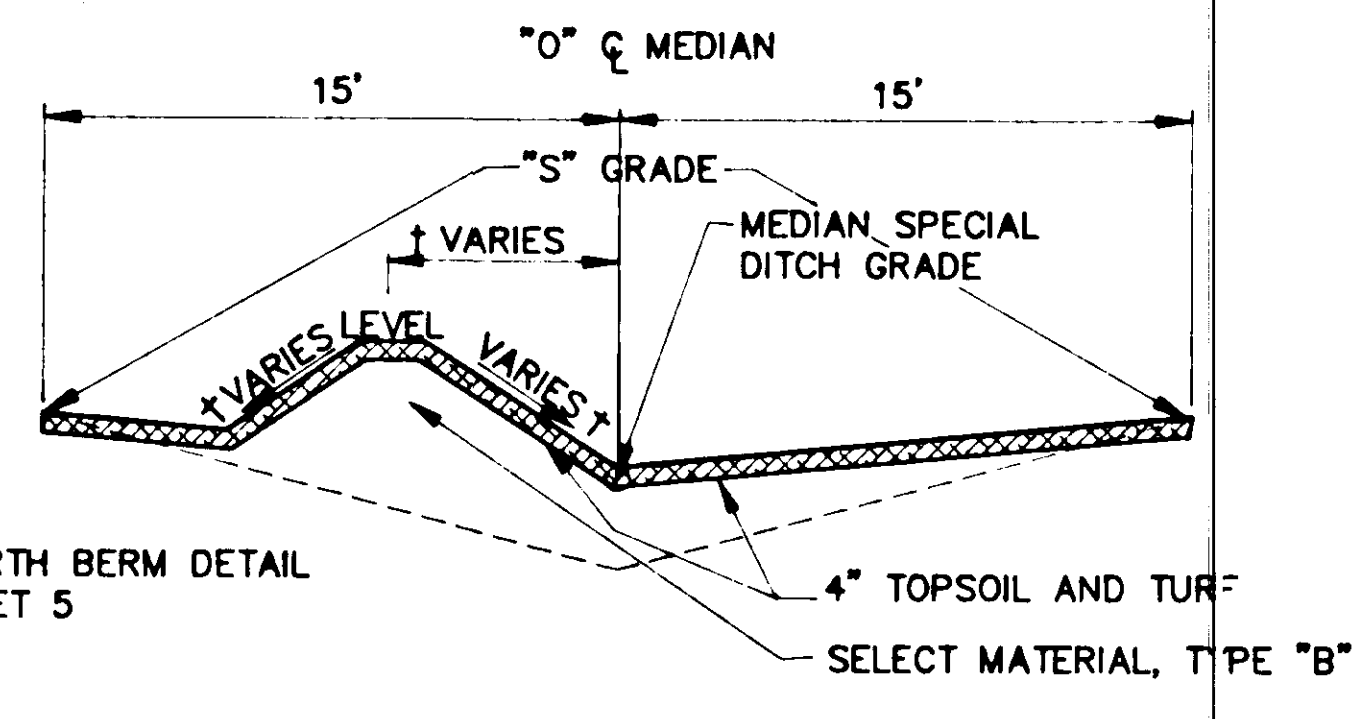
NOTE: FOR STA. "0" 18+00 B.O.P. TO "0" 18+50, SEE TRANSITION TYPICAL THIS SHEET AND RAISED MEDIAN-EARTH BERM TRANSITION PLAN, SHEET 5.

**MEDIAN TYPICAL SECTION**  
 STA. "0" 18+50 TO "0" 32+00 (E.O.P.)

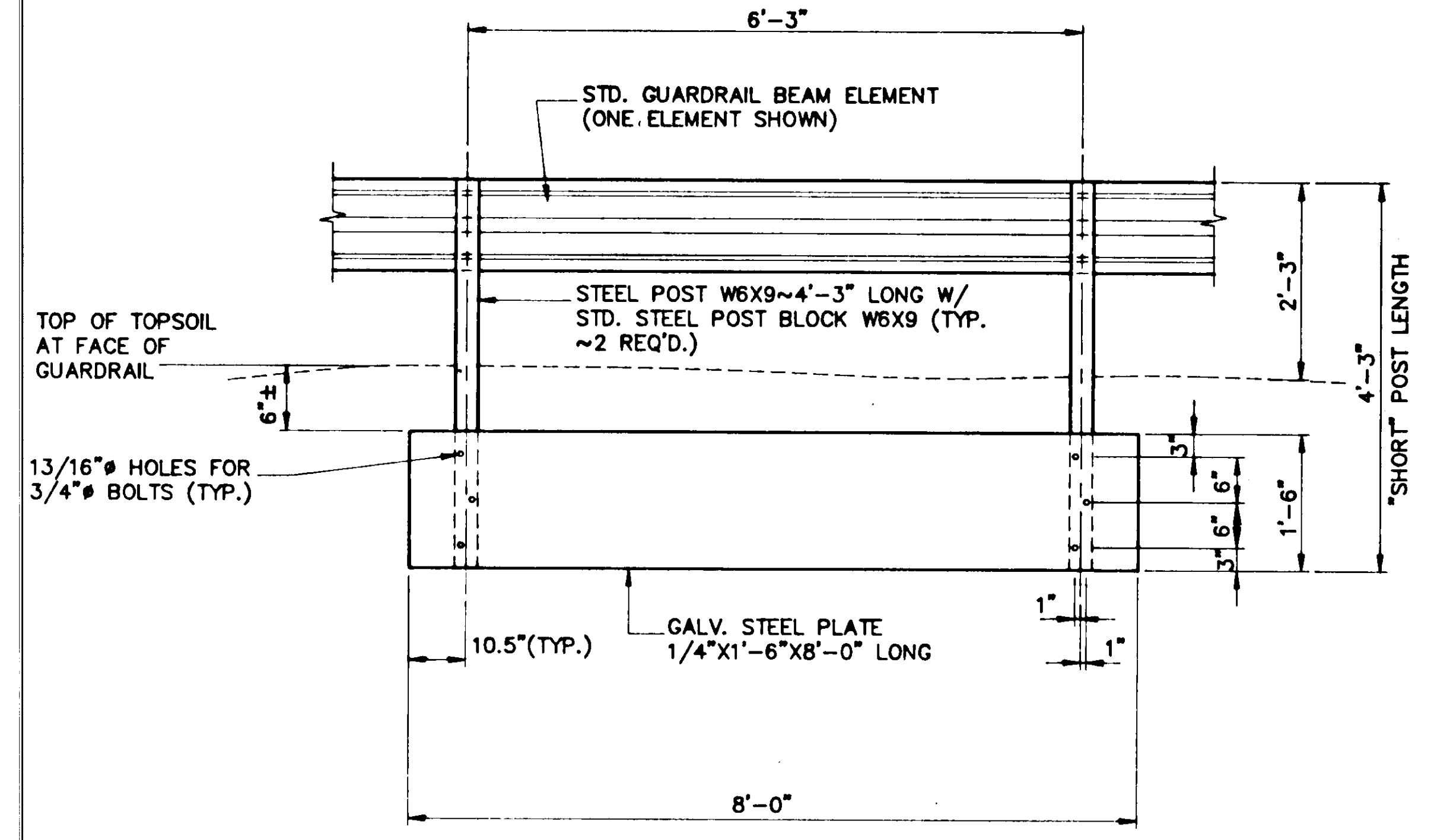


**TRANSITION TYPICAL SECTION**  
 STA. "0" 18+00 B.O.P. TO "0" 18+50  
 (RIGHT SIDE ONLY)

- NOTES:**
- ① GRADE TO MATCH EXISTING PAVEMENT.
  - ② SLOPE OF GRASS RIDGE FACE TO MATCH EXISTING CURB FACE AT STA. "0" 18+00 AND TRANSITION TO A 4:1 SLOPE AT STA. "0" 18+50.
  - ③ TRANSITION GRASS RIDGE FROM 13.5' RIGHT OF  $\phi$  AT STA. "0" 18+00 TO 7.3' RIGHT AT STA. "0" 18+50.



**EARTH BERM TYPICAL SECTION**  
 STA. "0" 18+50 TO "0" 19+30  
 STA. "0" 30+20 TO "0" 31+00



**GUARDRAIL POST DETAIL**  
 AT STA. "0" 27+35  
 (14 FT. DIA. PIPE)

- NOTES:**
- ① STEEL PLATE SHALL BE BOLTED TO MEDIAN SIDE OF GUARDRAIL POSTS.
  - ② ADDITIONAL GUARDRAIL DETAILS SHEET 5.
  - ③ DETAIL SHOWN SHALL BE USED FOR 2 POSTS CLOSEST TO CENTER OF PIPE.

DATE:	DESCRIPTION OF CHANGE:

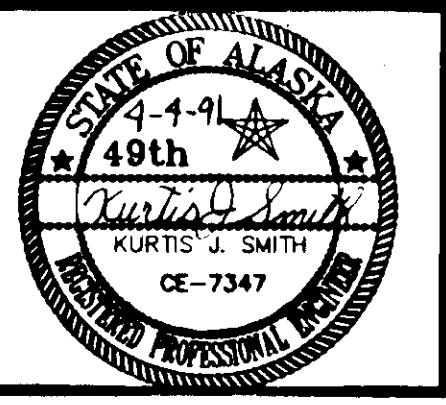
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU

NORWAY POINT MEDIAN GUARDRAIL  
 HES-093-2(26)  
**TYPICAL SECTIONS**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ALASKA	DESIGNED BY: W. HOLBROOK	PROJECT NO. HES-093-2(26)
	DRAWN BY: AUTOCADD / C. Anderson	DATE: AUG. 1990
	CHECKED BY: K. SMITH	SHEET 2 OF 5



# ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
120(1)	DBE ADJUSTMENT	C.S.	ALL REQ'D.
203(6)	BORROW, TYPE B (C.O. No. 1)	TON	2271 <del>1,900</del>
604(8)	ADJUST EXISTING INLET	EACH	2
606(7)	DOUBLE FACED, W-BEAM GUARDRAIL	L.F.	1087.5 <del>1,095.0</del>
620(2)	TOPSOIL AND TURF	L.S.	ALL REQ'D.
640(1)	MOBILIZATION AND DEMOBILIZATION	L.S.	ALL REQ'D.
641(1)	TEMPORARY EROSION & POLLUTION CONTROL	C.S.	ALL REQ'D.
642(1)	CONSTRUCTION SURVEYING	L.S.	ALL REQ'D.
643(2)	TRAFFIC MAINTENANCE	L.S.	ALL REQ'D.
643(3)	PERMANENT CONSTRUCTION SIGN	EA./DAY	280 <del>420</del>
643(4)	CONSTRUCTION SIGN	EA./DAY	100 <del>240</del>
643(5)	TYPE II BARRICADE	EA./DAY	52 <del>180</del>
643(7)	TRAFFIC CONE	EA./DAY	968 <del>3,000</del>
643(9)	SEQUENTIAL ARROW PANEL, TYPE C	DAY	16 <del>40</del>
643(15)	FLAGGING	MAN HR.	14 <del>100</del>

614(5) Reference, Remove and Reinstall Monuments (C.O. No. 2) L.S. ALL REQ'D

## GUARDRAIL SUMMARY

STATION	STATION	*LENGTH	REMARKS
"0" 19+30	"0" 30+50 20	1,095- 1,090	DOUBLE FACED W-BEAM RAIL SINGLE POST

\*MEASURE INCLUDES 2- APPROX. 10" DIA. TERMINAL ENDS.

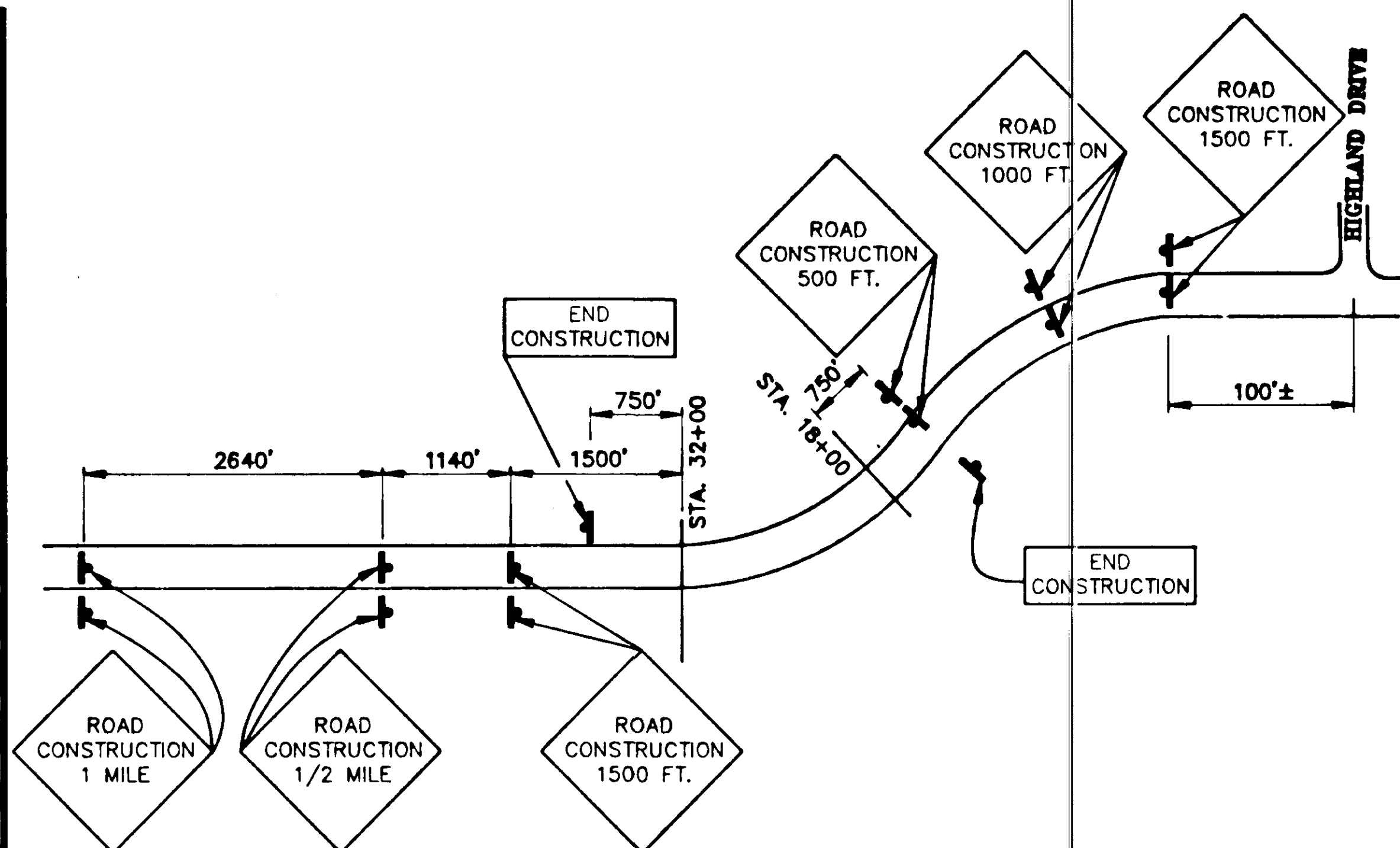
## BASIS OF ESTIMATE

ITEM No.	DESCRIPTION	ESTIMATING FACTOR
203 (6)	BORROW, TYPE "B"	1.90 TONS/C.Y.

## TRAFFIC CONTROL DEVICES SUMMARY \*

ESTIMATED DURATION ( DAYS )	TYPE II BARRICADE		TRAFFIC CONES		PERM. CONST. SIGNS		CONST. SIGNS	
	EACH	EACH PER DAY	EACH	EACH PER DAY	EACH	EACH PER DAY	EACH	EACH PER DAY
30	6	180	100	3000	14	420	8	240

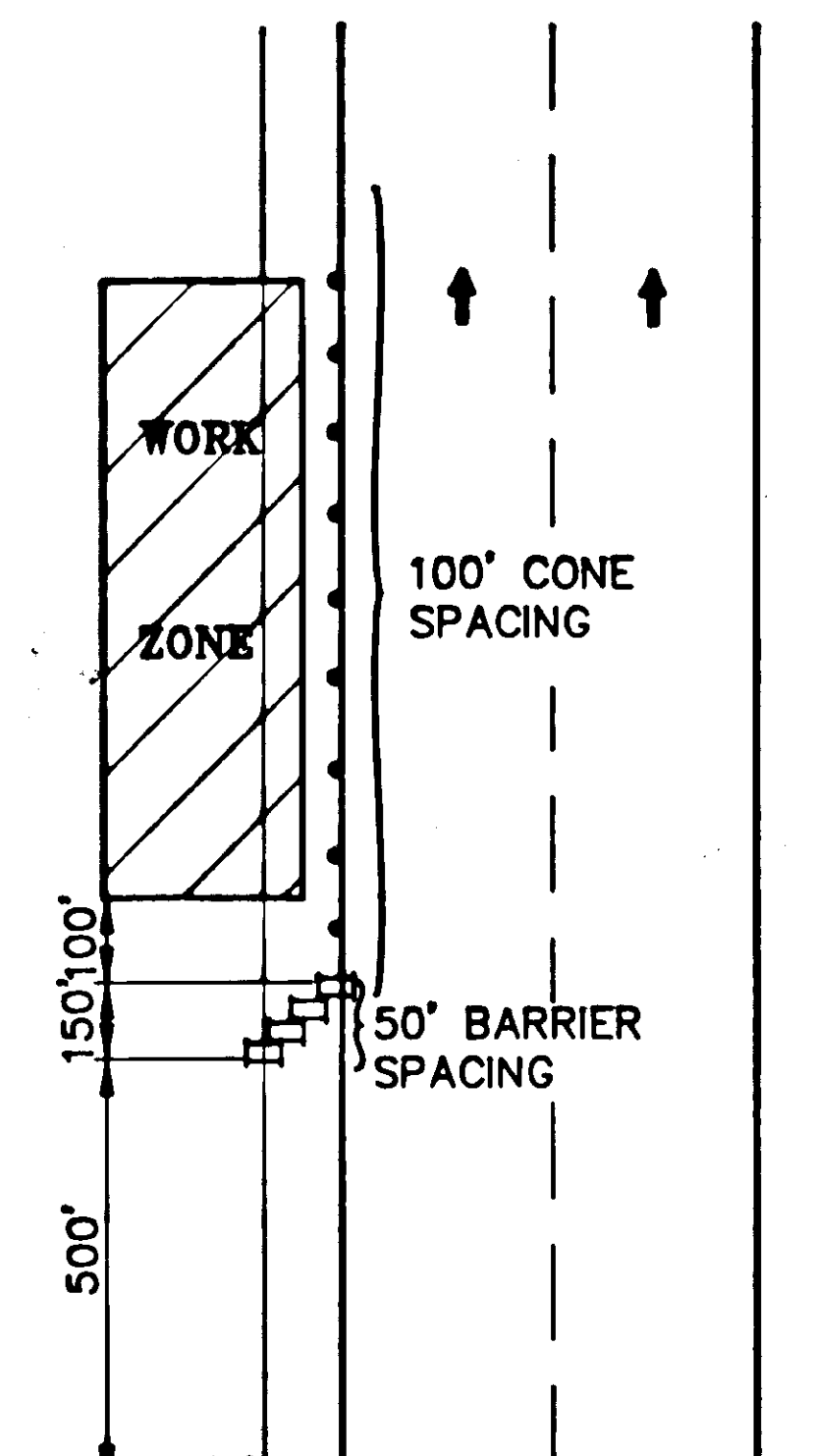
\* FOR ESTIMATING PURPOSES ONLY - ACTUAL QUANTITIES MAY VARY WIDELY.



## PERMANENT CONSTRUCTION SIGNING

### SIGNING NOTES :

- CONSTRUCTION SIGNS SHALL CONFORM TO ALASKA SIGN DESIGN SPECIFICATIONS. ROADWAY CLASSIFICATION FOR DETERMINING SIGN DIMENSIONS SHALL BE SERIES E (EXPRESSWAY).



## TRAFFIC CONTROL PLAN SHOULDER WORK TYPICAL EITHER DIRECTION

### TRAFFIC NOTES :

- SEE STANDARD DRAWING C-05.00 FOR TRAFFIC CONTROL FOR LANE CLOSURES, IF NECESSARY
- LANE CLOSURES NOT PERMITTED DURING PEAK HOURS.
- NO EQUIPMENT ALLOWED IN MEDIAN AT NIGHT.

### LEGEND :

- ▲ FIXED (PERMANENT) SIGN
- ⊥ PORTABLE (CONSTRUCTION) SIGN
- TRAFFIC CONES
- ⊞ TYPE II BARRICADE

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DATE	DESCRIPTION OF CHANGE

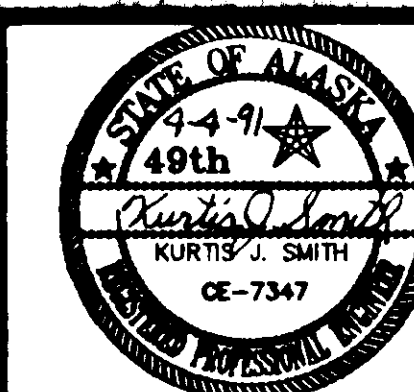
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU

NORWAY POINT MEDIAN GUARDRAIL  
HES-093-2(26)  
ESTIMATE OF QUANTITIES

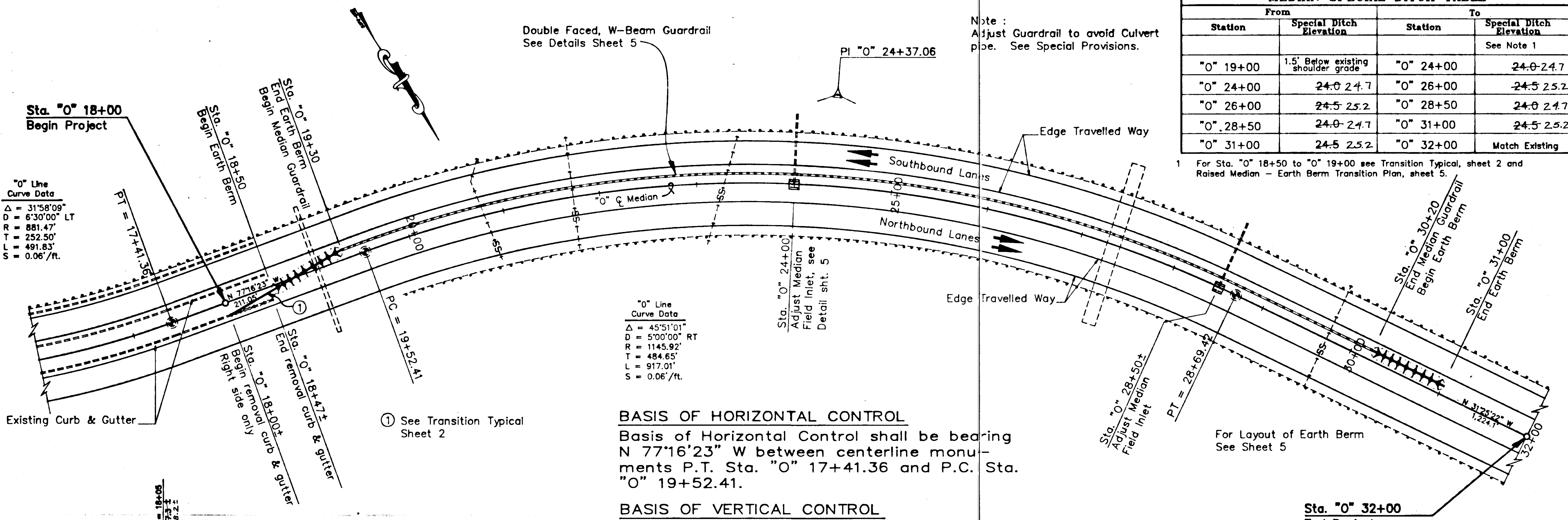
ALASKA

DESIGNED BY: W. HOLBROOK	PROJECT NO. HES-093-2(26)
DRAWN BY: AUTOCADD/CSA	DATE: AUG. 1990
CHECKED BY: K. SMITH	SHEET 3 OF 5



MEDIAN SPECIAL DITCH TABLE			
From Station	Special Ditch Elevation	To Station	Special Ditch Elevation
"O" 19+00	1.5' Below existing shoulder grade	"O" 24+00	24.0 24.7
"O" 24+00	24.0 24.7	"O" 26+00	24.5 25.2
"O" 26+00	24.5 25.2	"O" 28+50	24.0 24.7
"O" 28+50	24.0 24.7	"O" 31+00	24.5 25.2
"O" 31+00	24.5 25.2	"O" 32+00	Match Existing

1 For Sta. "O" 18+50 to "O" 19+00 see Transition Typical, sheet 2 and Raised Median - Earth Berm Transition Plan, sheet 5.



"O" Line Curve Data  
 $\Delta = 31'58''09''$   
 $D = 6'30''00''$  LT  
 $R = 881.47'$   
 $T = 252.50'$   
 $L = 491.83'$   
 $S = 0.06'/ft.$

"O" Line Curve Data  
 $\Delta = 45'51''01''$   
 $D = 5'00''00''$  RT  
 $R = 1145.92'$   
 $T = 484.65'$   
 $L = 917.01'$   
 $S = 0.06'/ft.$

**BASIS OF HORIZONTAL CONTROL**

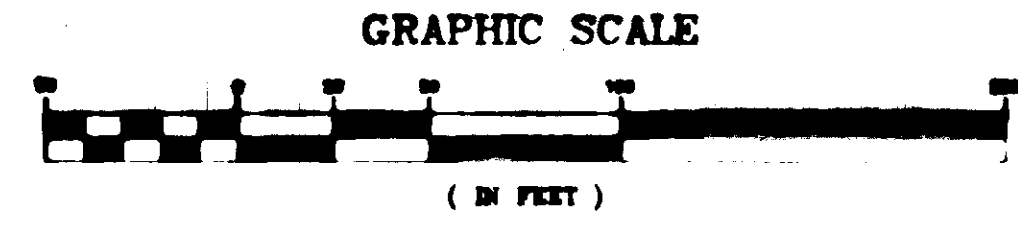
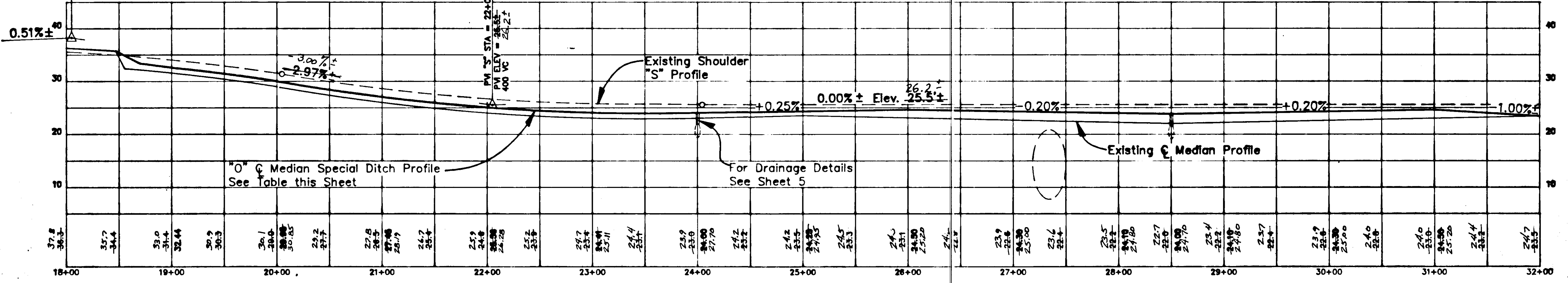
Basis of Horizontal Control shall be bearing N 77°16'23" W between centerline monuments P.T. Sta. "O" 17+41.36 and P.C. Sta. "O" 19+52.41.

**BASIS OF VERTICAL CONTROL**

Basis of Vertical Control shall be top of Monument P.T. Sta. "O" 28+69.42, elevation 22.49 M.L.L.W.

① See Transition Typical Sheet 2

For Layout of Earth Berm See Sheet 5



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DATE:	DESCRIPTION OF CHANGE:

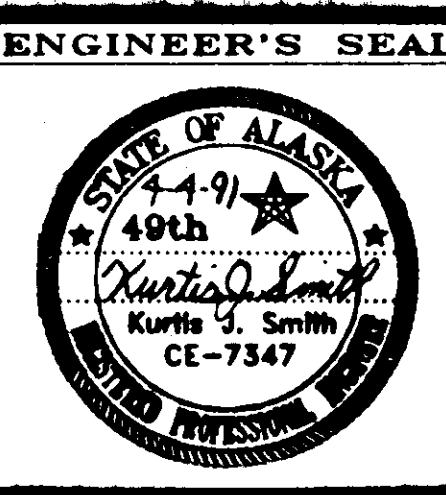
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

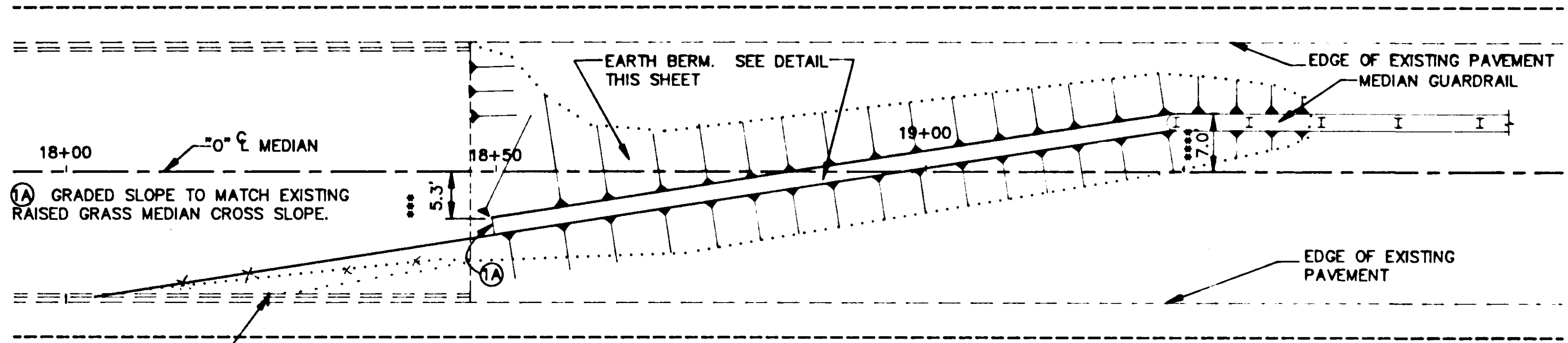
JUNEAU

NORWAY POINT MEDIAN GUARDRAIL  
 HES-093-2(26)  
 PLAN & PROFILE

ALASKA

DESIGNED BY: W. Holbrook  
 DRAWN BY: Autocadd/R.S.  
 CHECKED BY: K. Smith  
 PROJECT NO. HES-093-6(26)  
 DATE: AUG. 1990  
 SHEET 4 OF 5



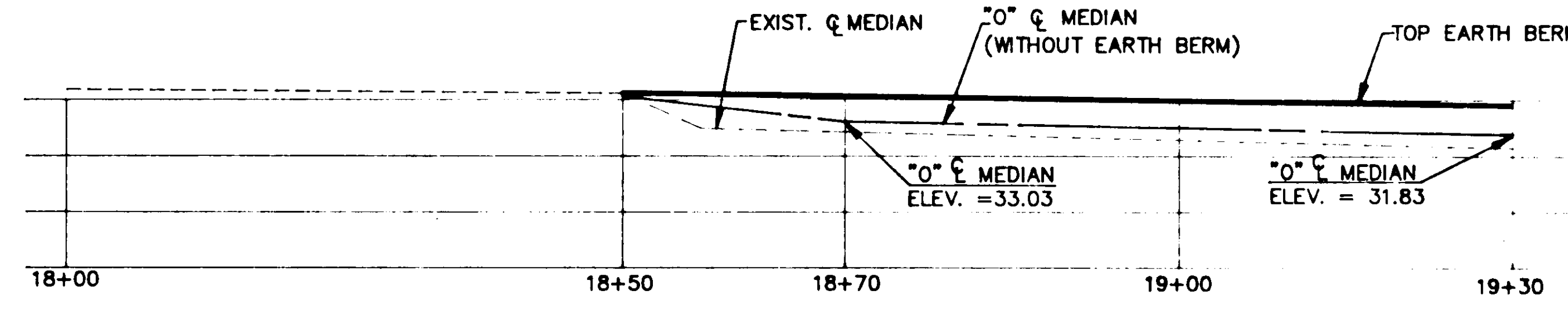


**RAISED MEDIAN-EARTH BERM TRANSITION PLAN**

("0" STA. 18+00 TO "0" 19+30)

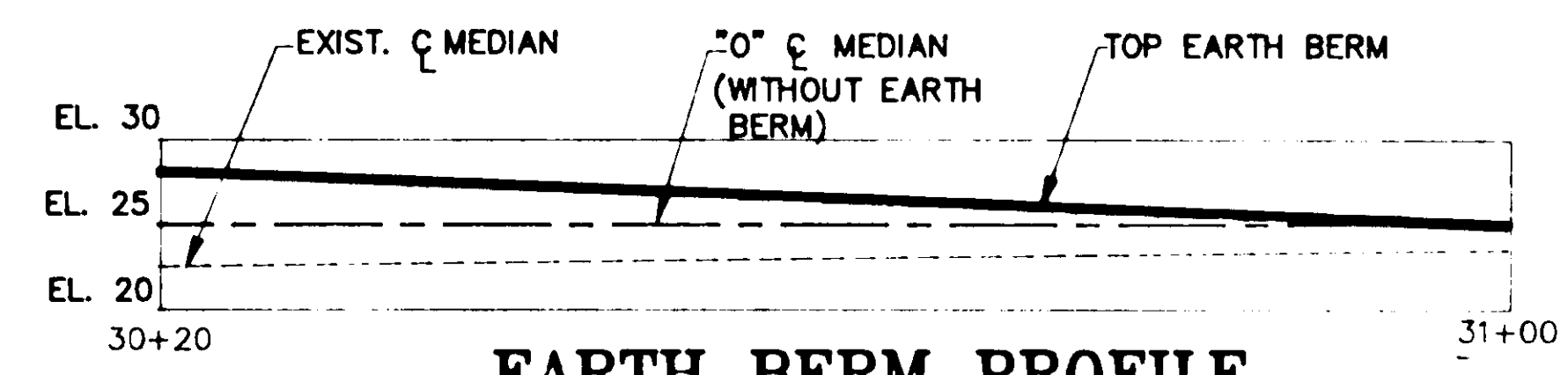
REMOVE CURB RT. ONLY,  
STA. "0" 18+00 TO "0" 18+47 ±  
+2.5

\*\*\* 5.3' RT. OFFSET STA. "0" 18+50  
7.0' LT. OFFSET STA. "0" 31+00  
\*\*\*\* 7.0' LT. OFFSET STA. "0" 19+30  
7.0' LT. OFFSET STA. "0" 30+20



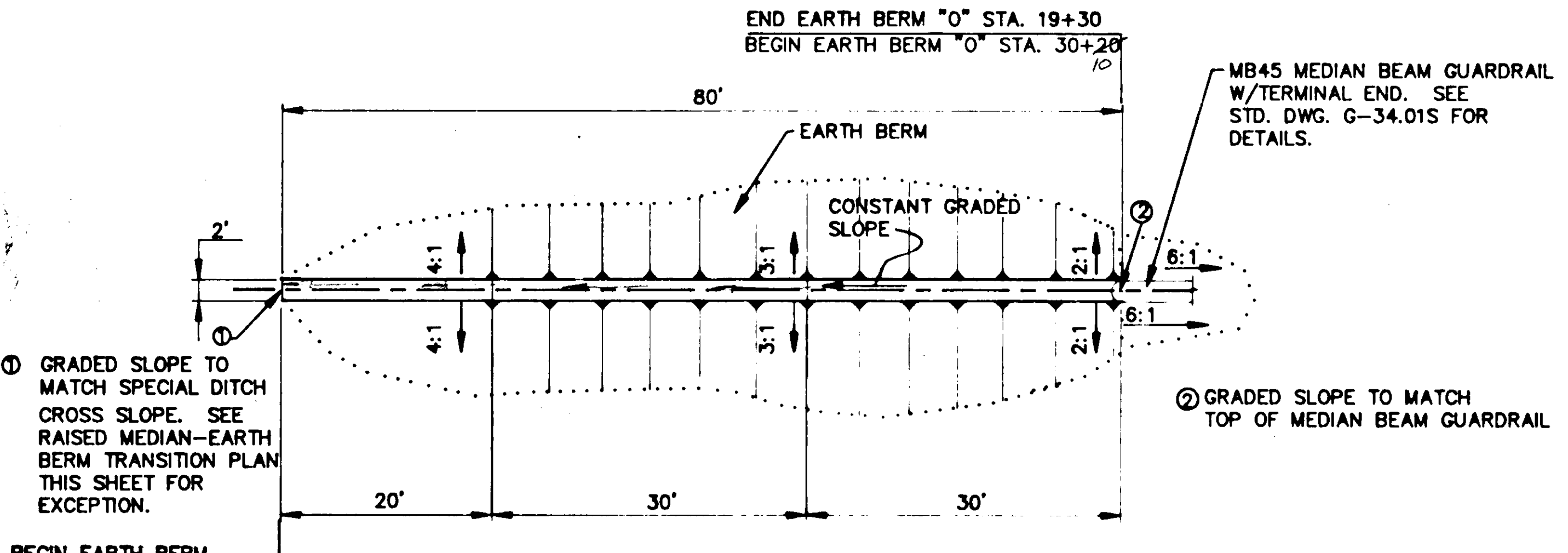
**EARTH BERM PROFILE**

("0" STA. 18+50 TO "0" 19+30)



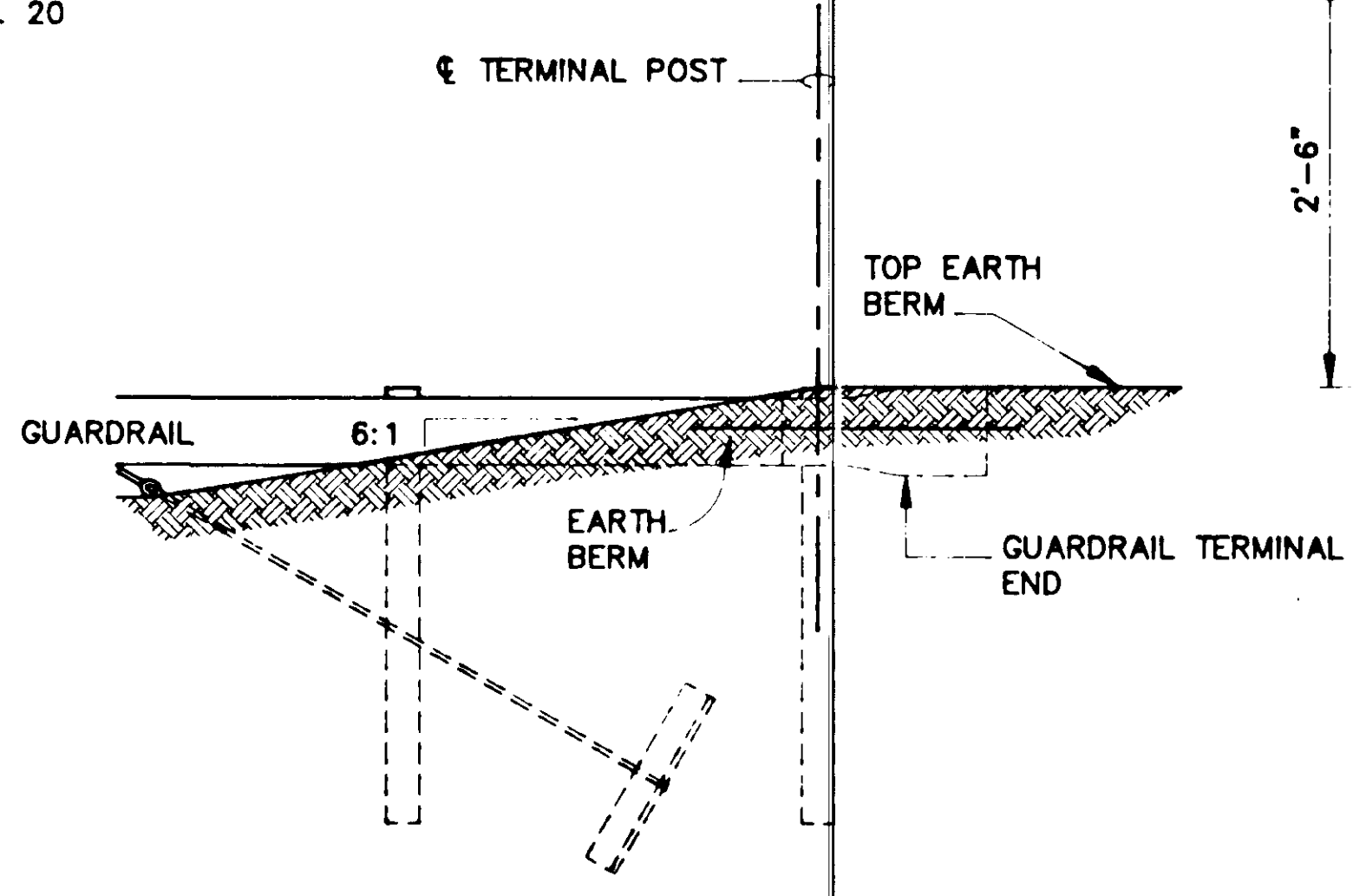
**EARTH BERM PROFILE**

("0" STA. 30+20 TO "0" 31+00)

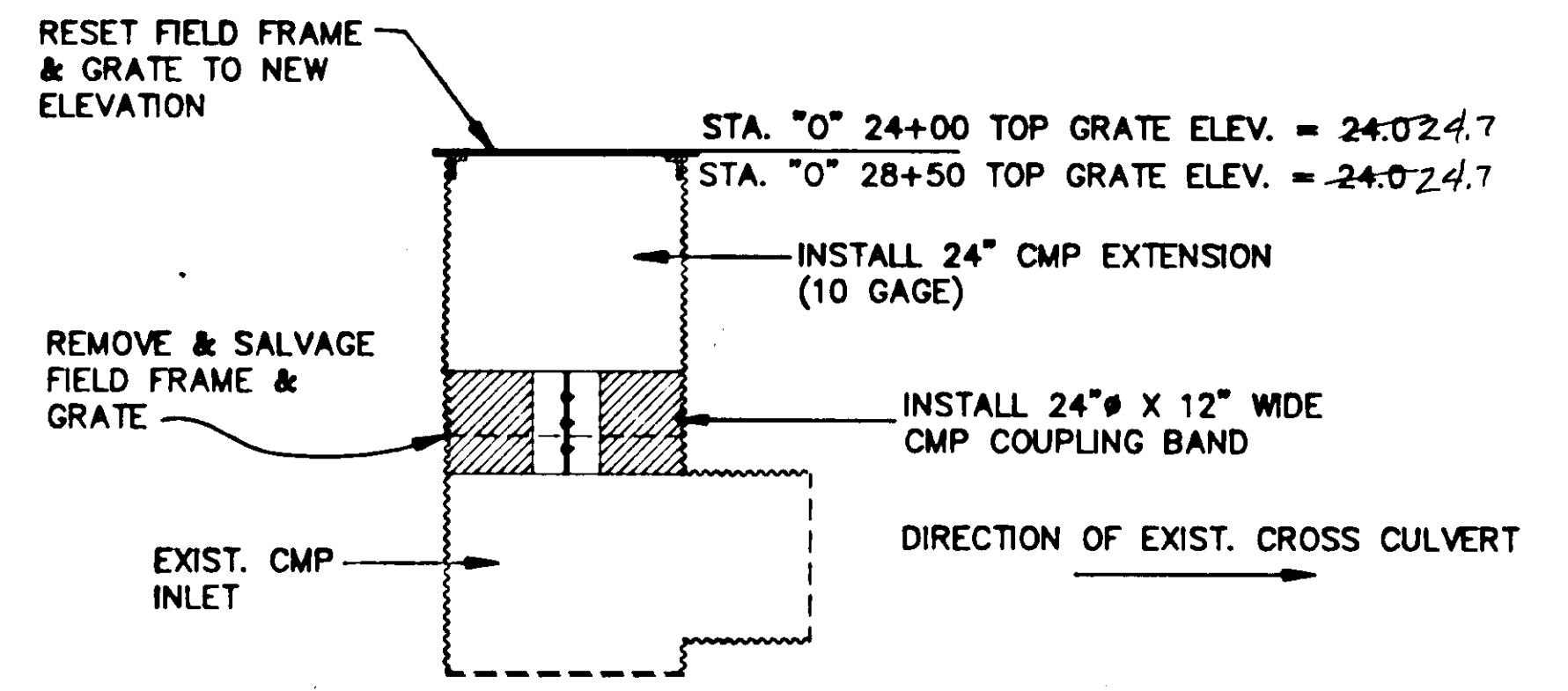


**TYPICAL EARTH BERM DETAIL**

NOTE: SEE EARTH BERM TYPICAL SECTION SHEET 2

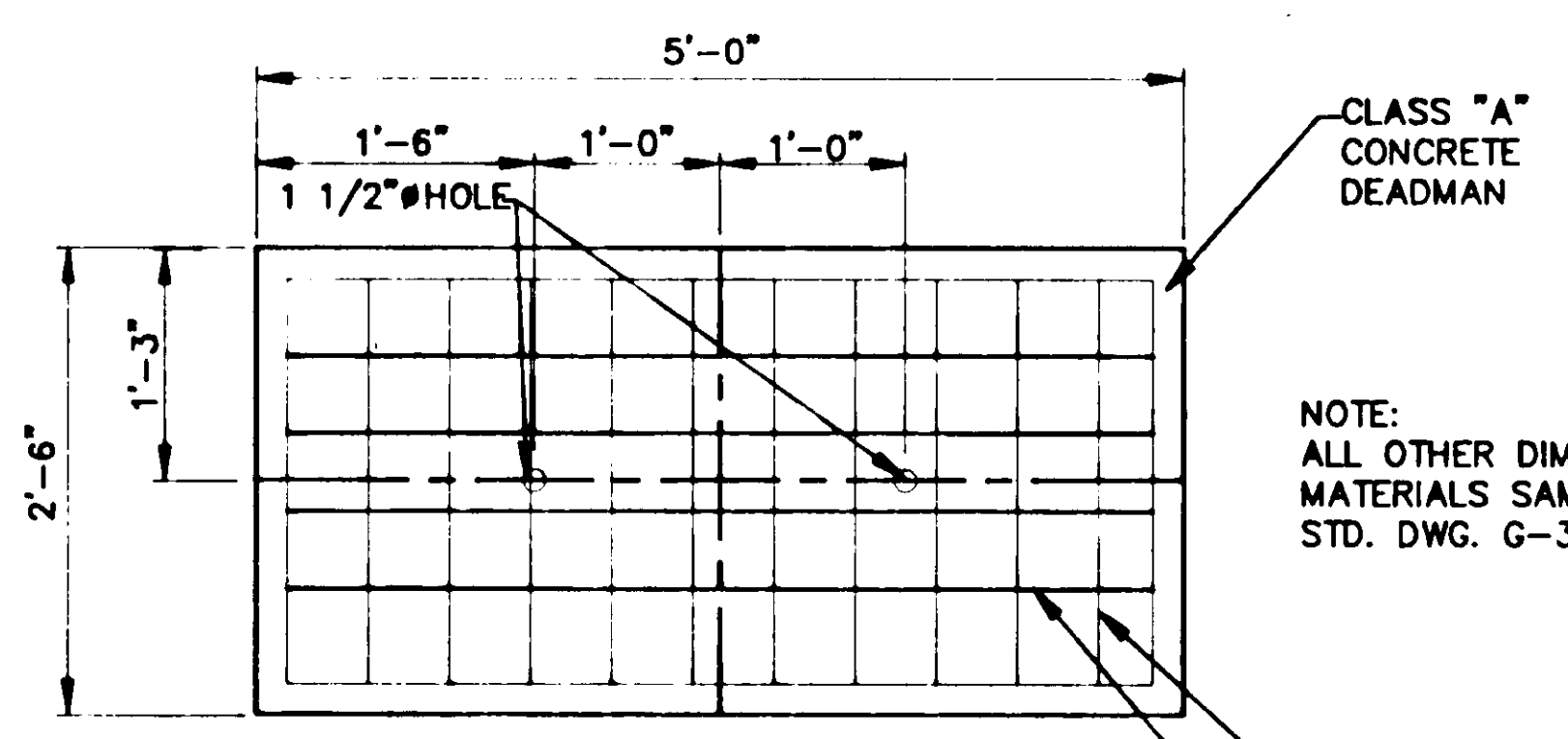


**EARTH BERM - GUARDRAIL TERMINAL END DETAIL**



**INLET EXTENSION DETAIL**

STA. "0" 24+00  
STA. "0" 28+50



**DEADMAN**

SEE NOTE (2)

NO. 4 BARS, 4'-8" LONG, 5" O.C. LONG DIMENSION,  
2'-3" LONG 5" O.C. SHORT DIMENSION

NOTE:  
ALL OTHER DIMENSIONS,  
MATERIALS SAME AS  
STD. DWG. G-34.01S

**GUARDRAIL NOTES**

1. SEE STD. DWG. G-34.01S FOR LOCATION & OTHER GUARDRAIL DETAILS.
2. STD. DWG. G-34.01S SINGLE POST DETAIL SHOWN SHALL BE MODIFIED AS FOLLOWS:
  - A. 1 1/4" RODS SHOWN AS FLARING OUTSIDE OF BEAM ELEMENTS (IN PLAN VIEW) SHALL BE CONNECTED SIMILAR TO STD. DWG DETAIL, TO INSIDE BRACKETS ON BACK SIDE OF BEAM ELEMENTS. (BEAM ELEMENT FACE TO BEAM ELEMENT FACE DISTANCE REMAINS CONSTANT AND EQUAL TO 2 FEET.) BURIED ANCHOR ROD ENDS SHALL BE ATTACHED TO SINGLE CONCRETE DEADMAN DETAILED ABOVE.
  - B. SINGLE CONCRETE DEADMAN SHOWN ABOVE SHALL BE CONSTRUCTED IN PLACE OF TWO SHOWN ON STANDARD DRAWING. INDIVIDUAL STEEL BACKING PLATES AS DETAILED IN STANDARD DRAWING SHALL BE PLACED BEHIND DEADMAN AT EACH ANCHOR ROD CONNECTION. DEADMAN SHALL BE SYMMETRICALLY BURIED RELATIVE TO LONG AXIS OF GUARDRAIL AND AT DEPTH AND PERPENDICULAR TO AXIS OF ANCHOR RODS AS OUTLINED IN THIS STANDARD DRAWING.

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  
NORWAY POINT MEDIAN GUARDRAIL  
HES-093-2(26)  
**MISCELLANEOUS DETAILS**

DESIGNED BY: W. HOLBROOK	PROJECT NO. HES-093-2(26)
DRAWN BY: AUTOCADD/C. Anderson	DATE: AUG. 1990
CHECKED BY: K. SMITH	SHEET 5 OF 5

