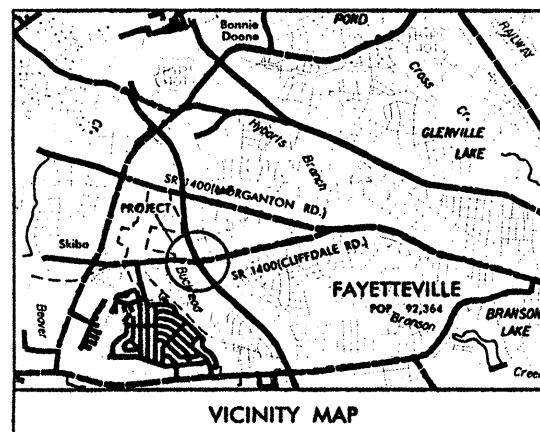


U-3106

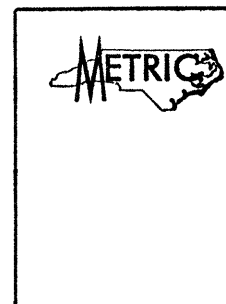
PROJECT: 8.2441601



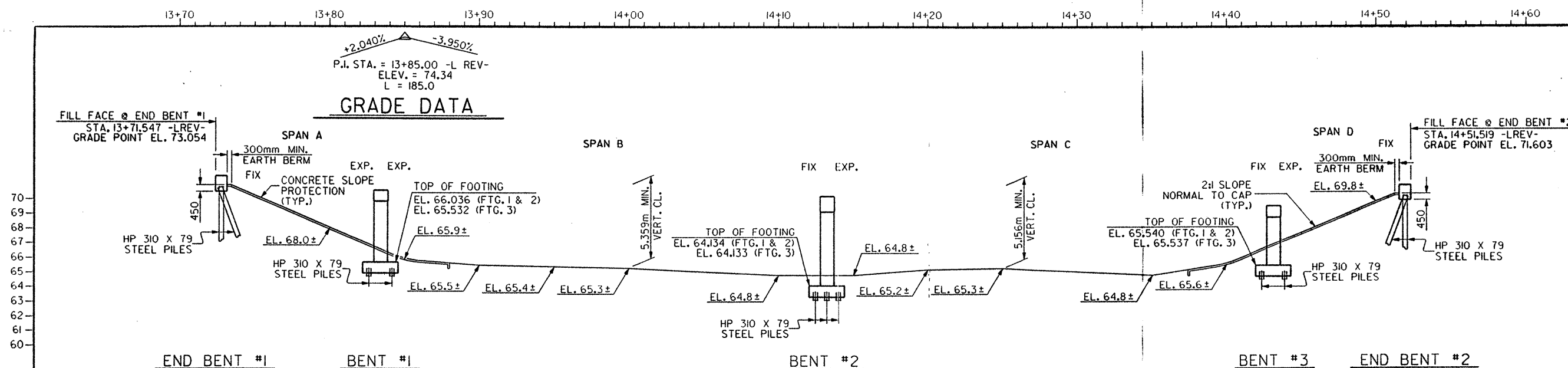
# STATE OF NORTH CAROLINA

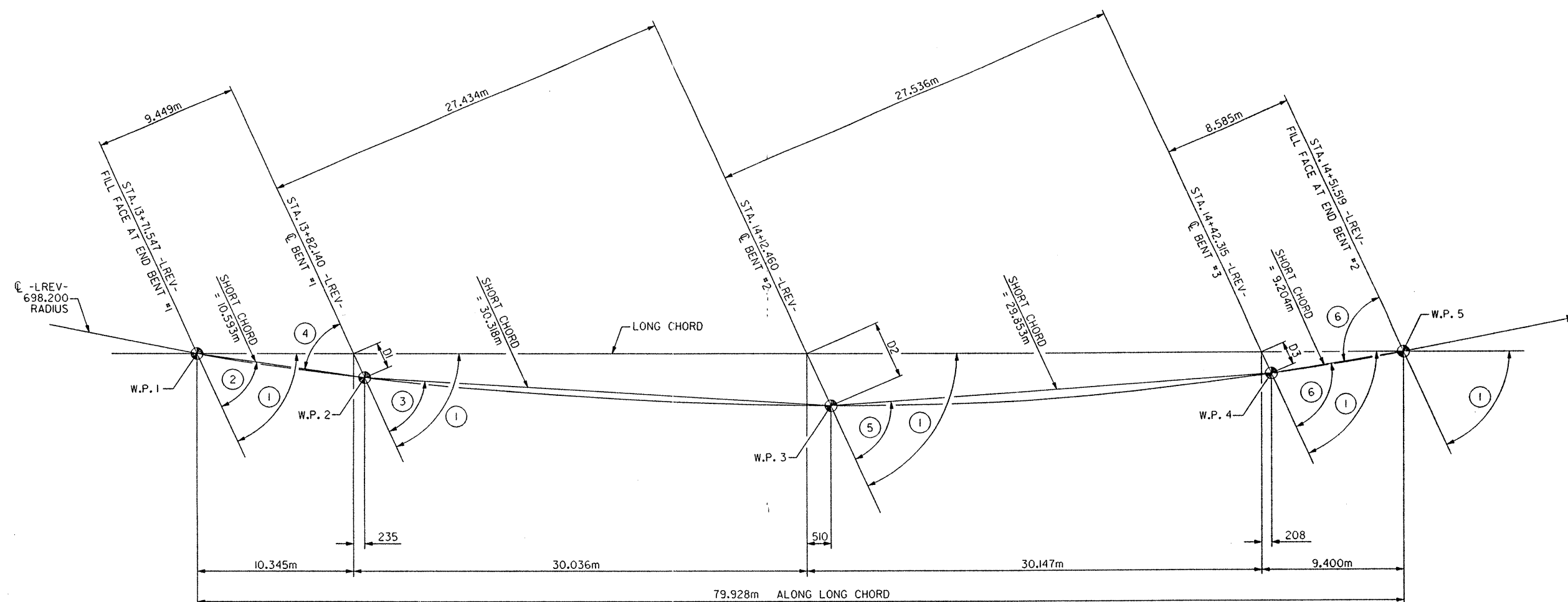
## DIVISION OF HIGHWAYS

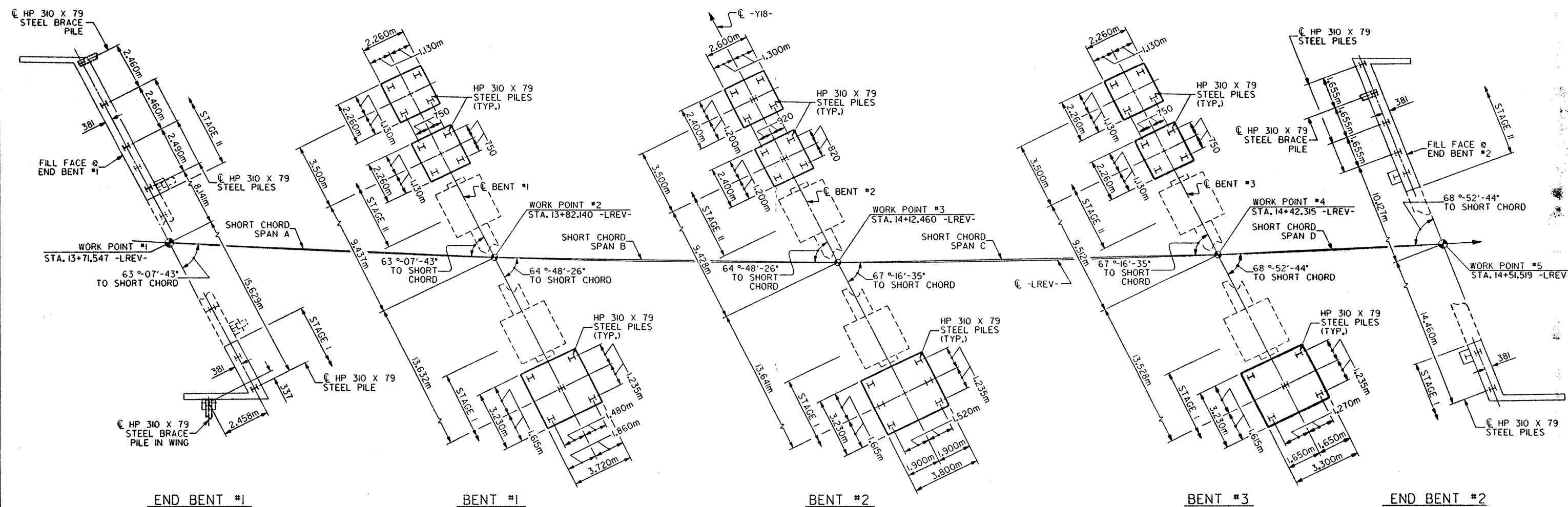
# CUMBERLAND COUNTY



| STATE           | STATE PROJECT REFERENCE NO. | SHEET NO.                   | TOTAL SHEETS |
|-----------------|-----------------------------|-----------------------------|--------------|
| N.C.            | U-3106                      |                             |              |
| STATE PROJ. NO. | F.A. PROJ. NO.              | DESCRIPTION                 |              |
| 8.2441601       | MA-STP-1400(1)              | PE, RW, UTILITIES, & CONST. |              |
|                 |                             |                             |              |

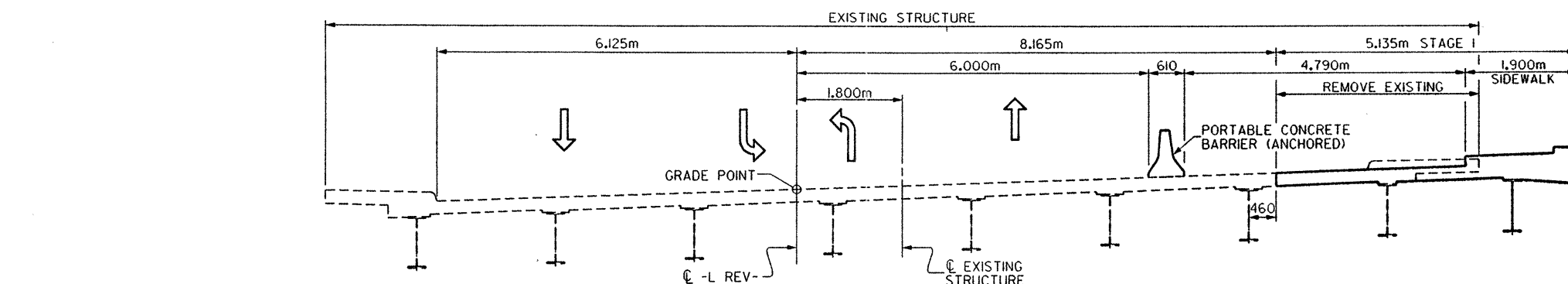




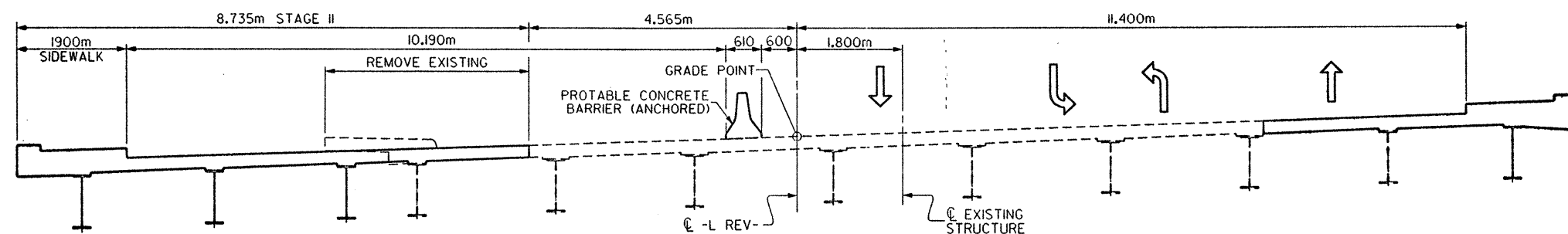


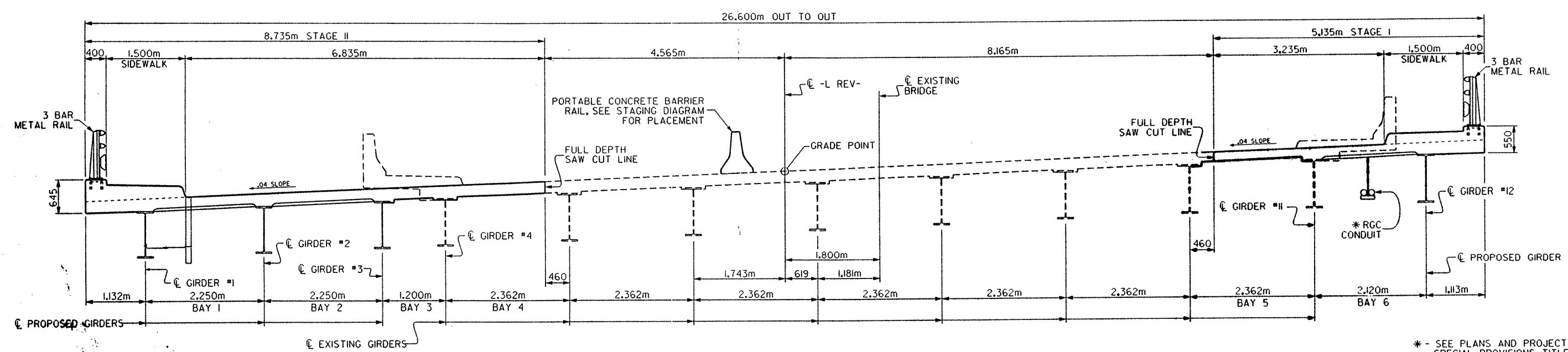


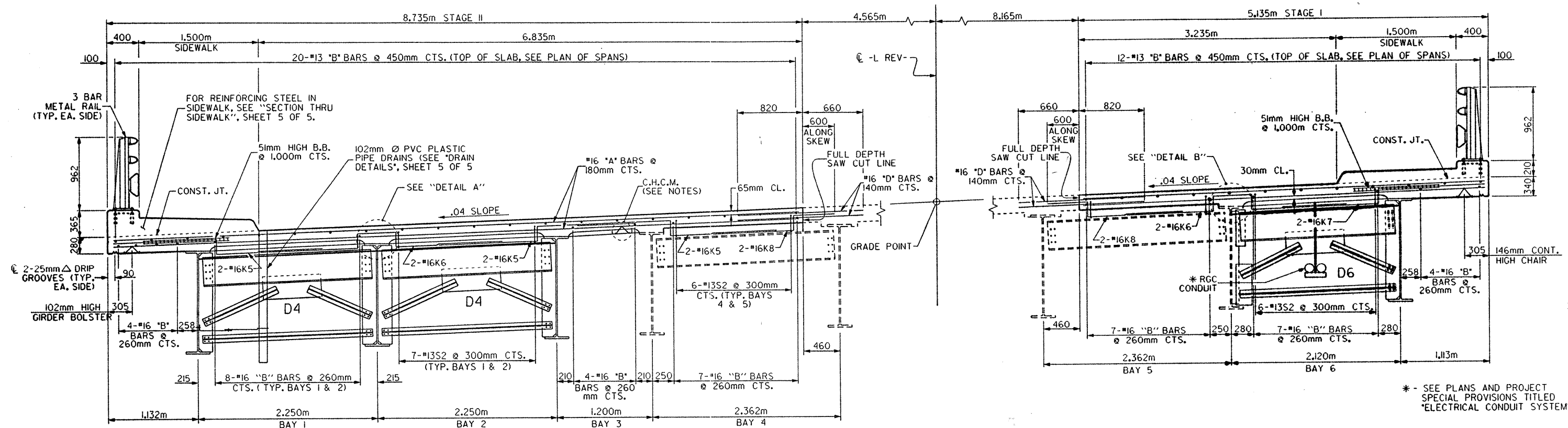
NOTE:  
SEE TRAFFIC CONTROL PLANS FOR LOCATION AND PAY  
LIMITS OF THE PORTABLE ANCHORED CONCRETE BARRIER.

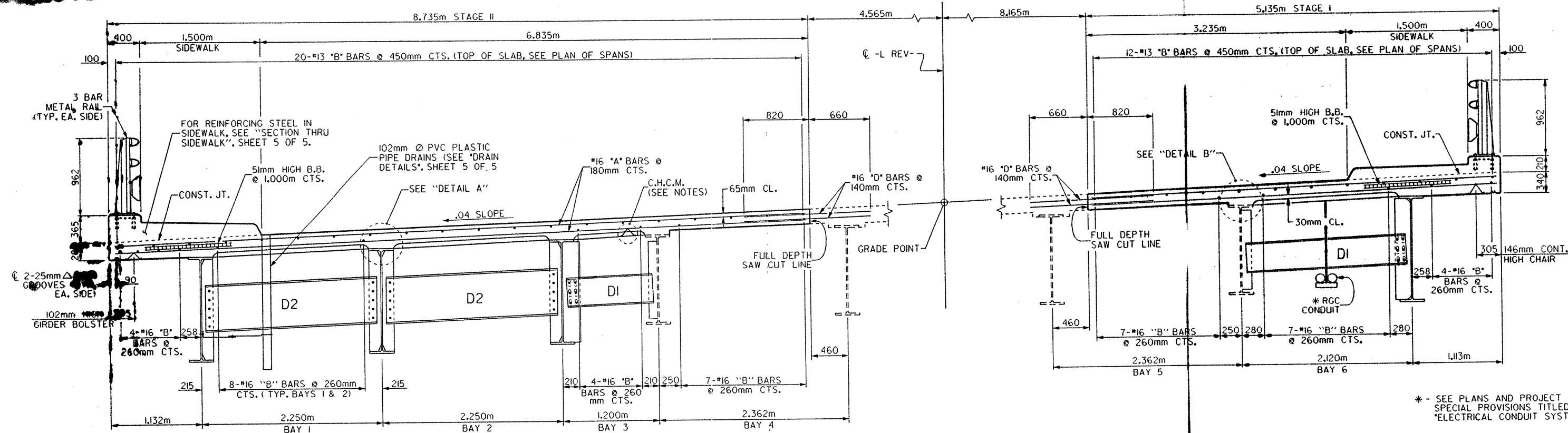


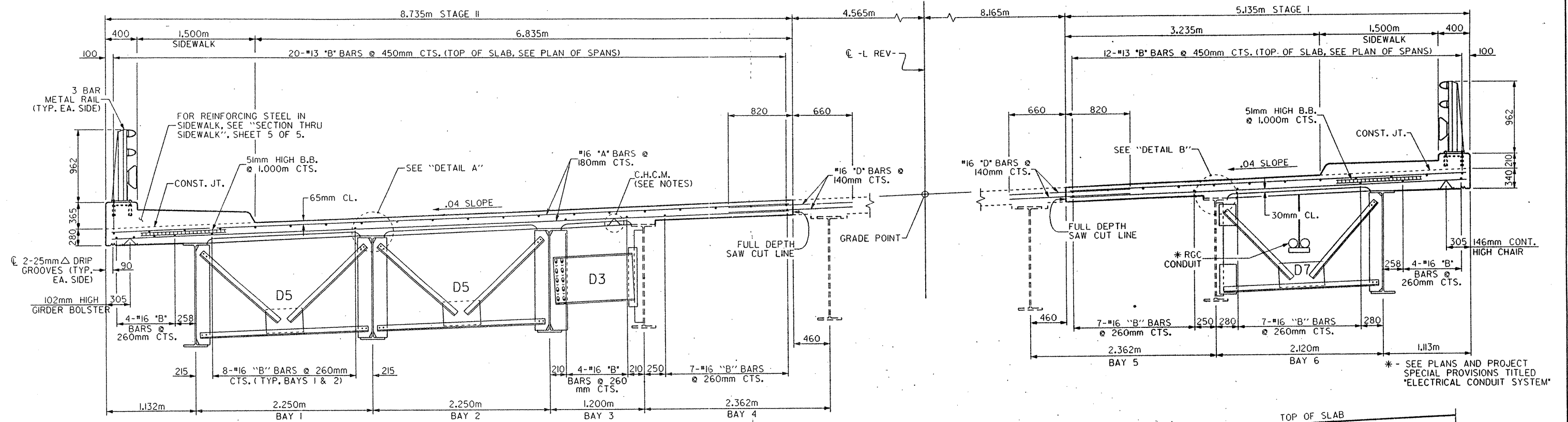
STAGE I











NOTES

SIDEWALK IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 20.7 MPa.

PROVIDE CONTINUOUS HIGH CHAIR FOR METAL DECK (C.H.C.M.) @ 1.2m CENTERS WITH LEG SPACING TO MATCH THE PITCH OF THE FORM AND WITH A HEIGHT TO SUPPORT THE BOTTOM LAYER OF SLAB REINFORCEMENT A CLEAR DISTANCE OF 30mm ABOVE THE TOP OF THE STAY-IN-PLACE FORM.

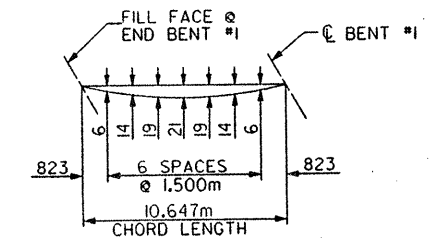
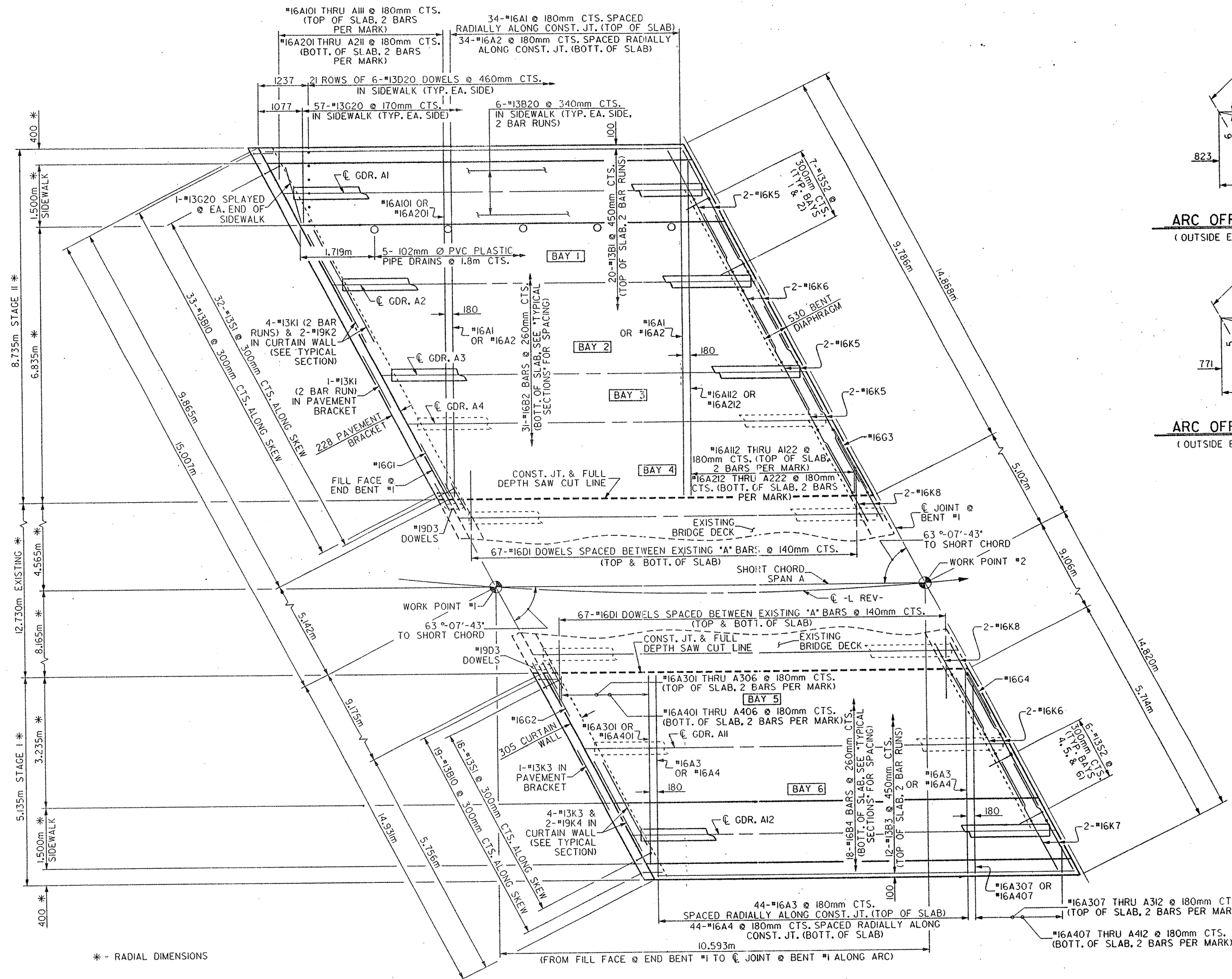
THE JOINT IN THE DECK SHALL BE SAWED PRIOR TO THE CASTING OF THE SIDEWALK.

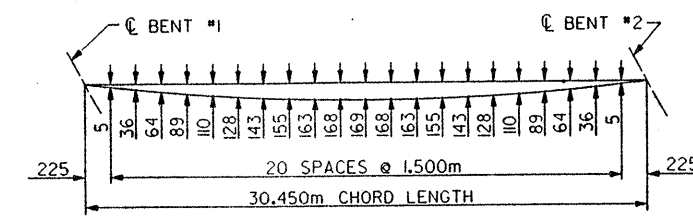
A FULL DEPTH SAW CUT SHALL BE MADE AND EXISTING CONCRETE REMOVED IN ACCORDANCE WITH PLAN DETAILS.

FOR DETAILS OF CONCRETE INSERTS, GUARDRAIL, AND RUBRAIL ANCHOR ASSEMBLIES, SEE "RAIL POST SPACING AND END OF RAIL DETAIL" SHEET.

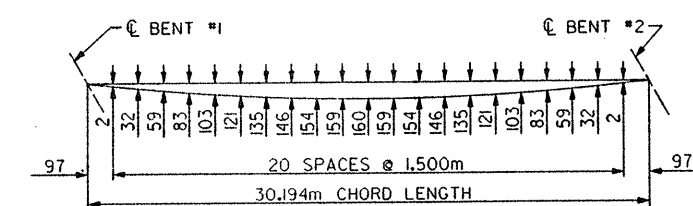
DURING THE JOINT INSTALLATION PROCEDURE THE JOINT AND SURROUNDING AREA SHALL BE KEPT CLEAN AND FREE OF DEBRIS.

DOWELS SHALL BE PLACED IN THE SAME HORIZONTAL PL

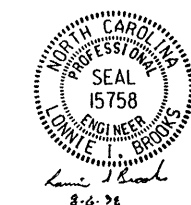




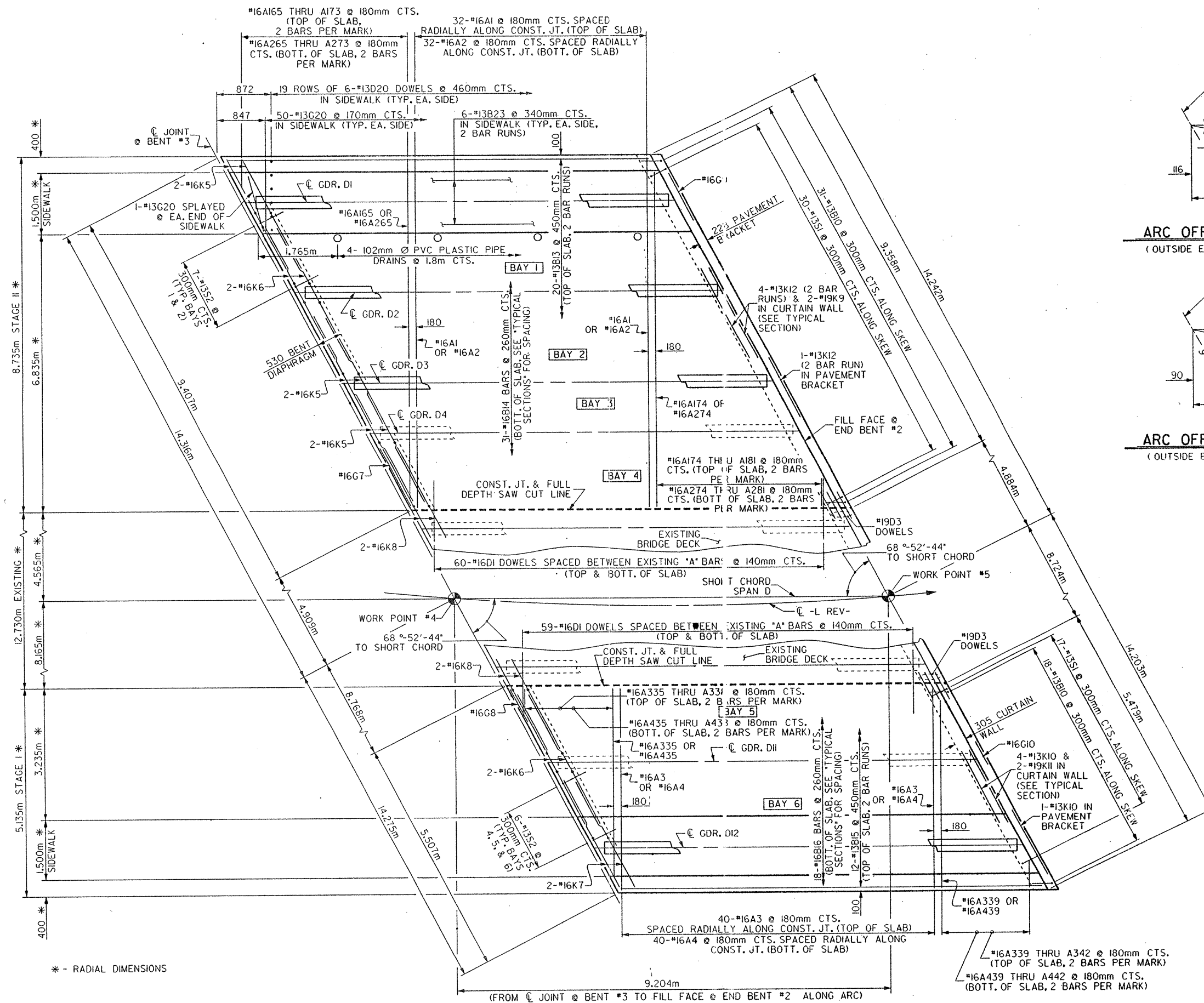
ARC OFFSETS - LEFT SIDE  
(OUTSIDE EDGE OF SUPERSTRUCTURE)

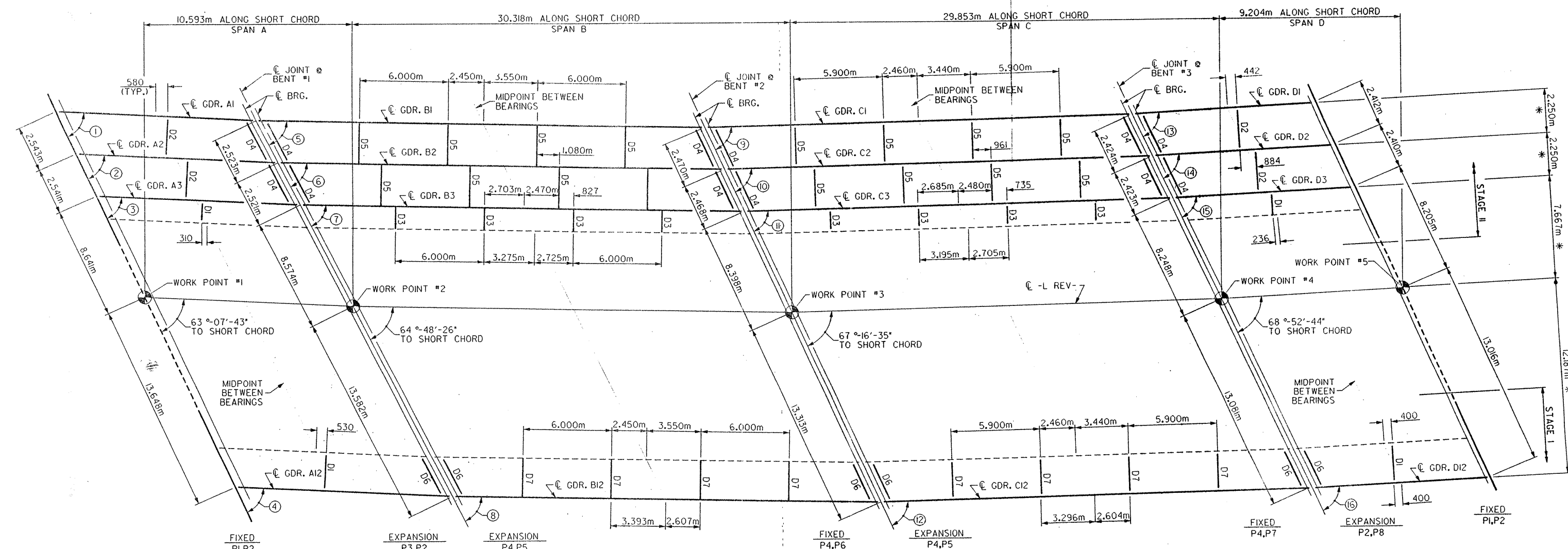


ARC OFFSETS - RIGHT SIDE  
(OUTSIDE EDGE OF SUPERSTRUCTURE)









NOTES

ALL DIMENSIONS SHOWN ARE HORIZONTAL OR VERTICAL, UNLESS OTHERWISE NOTED.

ALL FIELD CONNECTIONS TO BE 22mm DIA. HIGH STRENGTH BOLTS UNLESS OTHERWISE NOTED.

A CHARPY V-NOTCH TEST IS REQUIRED FOR WEB PLATES & BOTTOM FLANGE PLATES FOR ALL GIRDERS. SEE SPECIAL PROVISIONS.

CAMBERED GIRDER LENGTHS SHALL BE ADJUSTED AND BEARINGS ARE TO BE PLACED ON THE CAMBERED GIRDER SO AS TO BE ALIGNED WITH THE ANCHORS AFTER THE DEAD LOAD DEFLECTION HAS OCCURRED. SHOP PLANS SHALL BE PREPARED ACCORDINGLY.

WHERE DIAPHRAGMS ARE TO BE BOLTED TO EXISTING STEEL BEAMS





































































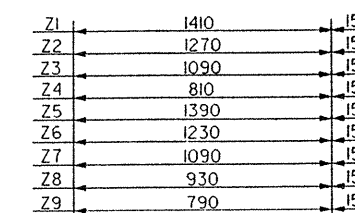
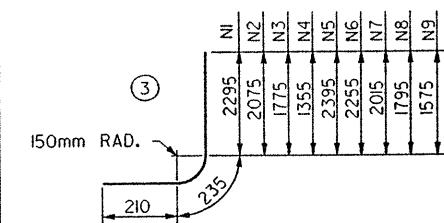
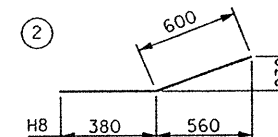
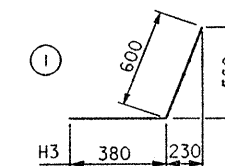




# BAR TYPES

# BILL OF MATERIAL

ALL BAR DIMENSIONS ARE OUT TO OUT.



| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
|-----|-----|------|------|--------|--------|
| H1  | 6   | 13   | STR  | 1840   | 11     |
| H2  | 2   | 13   | STR  | 1340   | 3      |
| H3  | 12  | 13   | STR  | 980    | 12     |
| H4  | 6   | 13   | STR  | 2020   | 4      |
| H5  | 6   | 13   | STR  | 5440   | 32     |

