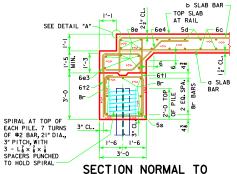


- å" RADIUS

b SLAB BAR TOP SLAB AT SEE DETAIL "A" 5d-6+1 a SLAB 6e3-BAR -8r 6+2-8r SPIRAL AT TOP OF EACH PILE, 7 TURNS -5sI OF #2 BAR, 21" DIA., 3" PITCH, WITH 3 - LIX IX S SPACERS PUNCHED 1′-6 1'-6 TO HOLD SPIRAL SECTION NORMAL TO ABUTMENT AT &





ABUTMENT NOTES:

ABUTMENT AT GUTTERLINE

ALL PILING ARE HP 10 X 42.

THE CONCRETE AND REINFORCING STEEL FOR THE WINGS IS INCLUDED WITH THE SUPERSTRUCTURE.

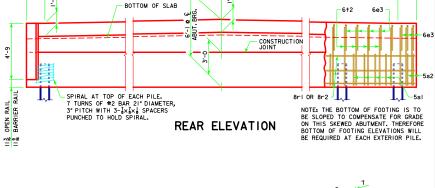
DETAILS ON THIS SHEET ARE TO BE USED ONLY WHEN ABUTMENTS ARE PLACED ON STEEL PILES. IF ROCK IS ENCOUNTERED CLOSER THAN 12' BELOW ABUTMENT FOOTING, SPECIAL ANALYSIS MAY BE REQUIRED.

THE MINIMUM CLEAR DISTANCE FROM THE FACE OF THE CONCRETE TO NEAR REINFORCING BAR IS TO BE 2 INCHES UNLESS OTHERWISE NOTED OR SHOWN.

STEEL ABUTMENT PILES SHALL BE DRIVEN TO FULL PENETRATION IF PRACTICABLE BUT IN NO CASE TO A BEARING VALUE LESS THAN SHOWN IN DESIGN PLANS.

ALL REINFORCING STEEL IS TO BE GRADE 60.

ABUTMENT PILING WAS DESIGNED FOR HL-93 LOADING WITH AN ALLOWANCE FOR 20 LBS. PER SQ.FT. FUTURE WEARING SURFACE.



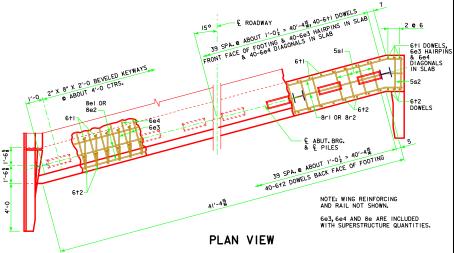
40'-0 ROADWAY

C ROADWAY

20'-0

1'-7

20'-0



A RE ENG! ATEST REVISION DATE **%** | ≥

COUVADOT Highway Division

STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES

CONTINUOUS CONCRETE SLAB BRIDGES JULY, 2014

ABUTMENT DETAILS 15° SKEW - STEEL PILING

J40-40-14

1/-7

NUMBER OF PILES AND ABUTMENT DESIGN LOADS

| NOMBER OF FILES AND ADDITION DESIGN ESTABO | | | | | | | | | |
|--------------------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| BRIDGE LENGTH | 70'-0 | 80'-0 | 90'-0 | 100'-0 | 110'-0 | 120'-0 | 130'-0 | 140'-0 | 150'-0 |
| PILING - NUMBER | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 9 |
| PU, STRENGTH I DESIGN LOAD - KIPS | 488 | 520 | 550 | 590 | 627 | 671 | 713 | Δ 835 | Δ 884 |
| | | | | | | | | | |
| | | | | | | | | | |

A INCLUDES DYNAMIC LOAD ALLOWANCE

NOTE: PU, STRENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.