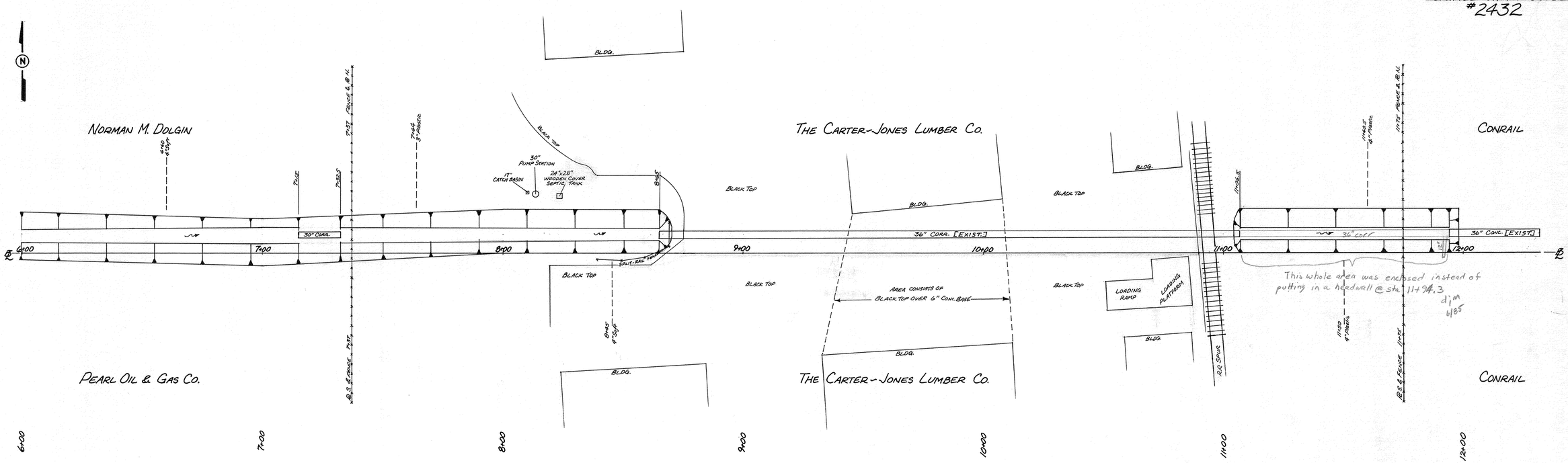
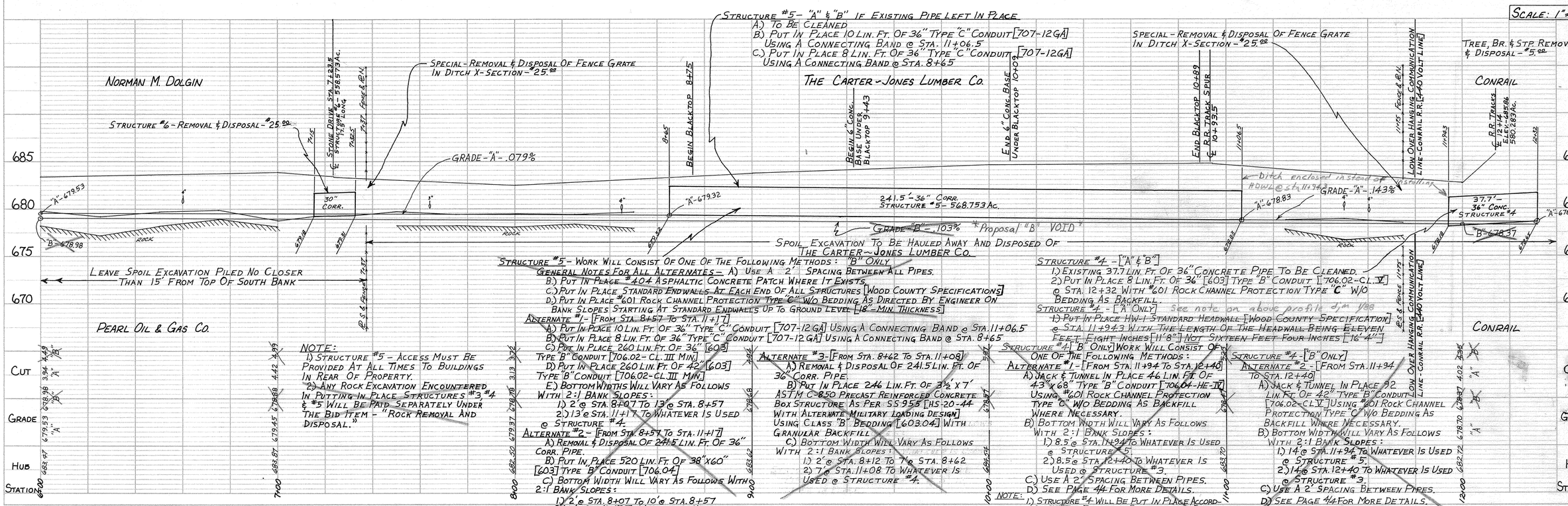
PORTAGE TWP. TRUSTEES #2432



SCALE: 1"=20'



STRUCTURE #5 - WORK WILL CONSIST OF ONE OF THE FOLLOWING METHODS: "B" ONLY

GENERAL NOTES FOR ALL ALTERNATES - A) USE A 2' SPACING BETWEEN ALL PIPES.
B.) PUT IN PLACE #404 ASPHALTIC CONCRETE PATCH WHERE IT EXISTS.
C.) PUT IN PLACE STANDARD ENDWALLS AT EACH END OF ALL STRUCTURES [WOOD COUNTY SPECIFICATIONS]
D.) PUT IN PLACE #601 ROCK CHANNEL PROTECTION TYPE "C" W/O BEDDING AS DIRECTED BY ENGINEER ON BANK SLOPES STARTING AT STANDARD ENDWALLS UP TO GROUND LEVEL [18" MIN. THICKNESS]

ALTERNATE #1 - [FROM STA. 8+57 TO STA. 11+17]
A) PUT IN PLACE 10 LIN. FT. OF 36" TYPE "C" CONDUIT [707-12 GA] USING A CONNECTING BAND @ STA. 11+06.5
B) PUT IN PLACE 8 LIN. FT. OF 36" TYPE "C" CONDUIT [707-12 GA] USING A CONNECTING BAND @ STA. 8+65
C) PUT IN PLACE 260 LIN. FT. OF 36" [603] TYPE "B" CONDUIT [706.02-CL. III MIN.]
D) PUT IN PLACE 260 LIN. FT. OF 42" [603] TYPE "B" CONDUIT [706.02-CL. III MIN.]
E.) BOTTOM WIDTHS WILL VARY AS FOLLOWS WITH 2:1 BANK SLOPES:
1.) 2' @ STA. 8+07 TO 13' @ STA. 8+57
2.) 13' @ STA. 11+17 TO WHATEVER IS USED @ STRUCTURE #4.

ALTERNATE #2 - [FROM STA. 8+57 TO STA. 11+17]
A) REMOVAL & DISPOSAL OF 241.5 LIN. FT. OF 36" CORR. PIPE.
B) PUT IN PLACE 520 LIN. FT. OF 38"x60" [603] TYPE "B" CONDUIT [706.04]
C) BOTTOM WIDTH WILL VARY AS FOLLOWS WITH 2:1 BANK SLOPES:
1.) 2' @ STA. 8+07 TO 10' @ STA. 8+57
2.) 10' @ STA. 11+17 TO WHATEVER IS USED @ STRUCTURE #4.

ALTERNATE #3 - [FROM STA. 8+62 TO STA. 11+08]
A) REMOVAL & DISPOSAL OF 241.5 LIN. FT. OF 36" CORR. PIPE.
B) PUT IN PLACE 246 LIN. FT. OF 3½' x 7' ASTM C-850 PRECAST REINFORCED CONCRETE BOX STRUCTURE AS PER SS 955 [HS-20-44 WITH ALTERNATE MILITARY LOADING DESIGN] USING CLASS "B" BEDDING [603.04] WITH GRANULAR BACKFILL
C.) BOTTOM WIDTH WILL VARY AS FOLLOWS WITH 2:1 BANK SLOPES:
1.) 2' @ STA. 8+12 TO 7' @ STA. 8+62
2.) 7' @ STA. 11+08 TO WHATEVER IS USED @ STRUCTURE #4.

STRUCTURE #4 - ["A" & "B"]
1.) EXISTING 37.7 LIN. FT. OF 36" CONCRETE PIPE TO BE CLEANED.
2.) PUT IN PLACE 8 LIN. FT. OF 36" [603] TYPE "B" CONDUIT [706.02-CL. V] @ STA. 12+32 WITH #601 ROCK CHANNEL PROTECTION TYPE "C" W/O BEDDING AS BACKFILL.

STRUCTURE #4 - ["A" ONLY] *see note on above profile dim 1/88*
1.) PUT IN PLACE HW-1 STANDARD HEADWALL [WOOD COUNTY SPECIFICATION] @ STA. 11+94.3 WITH THE LENGTH OF THE HEADWALL BEING ELEVEN FEET, EIGHT INCHES [11' 8"] NOT SIXTEEN FEET FOUR INCHES [16' 4"]

STRUCTURE #4 - ["B" ONLY] WORK WILL CONSIST OF ONE OF THE FOLLOWING METHODS:

ALTERNATE #1 - [FROM STA. 11+94 TO STA. 12+40]
A) JACK & TUNNEL IN PLACE 46 LIN. FT. OF 43" x 68" TYPE "B" CONDUIT [706.04-HE-IV] USING #601 ROCK CHANNEL PROTECTION TYPE "C" W/O BEDDING AS BACKFILL WHERE NECESSARY.
B) BOTTOM WIDTH WILL VARY AS FOLLOWS WITH 2:1 BANK SLOPES:
1.) 8.5' @ STA. 11+94 TO WHATEVER IS USED @ STRUCTURE #5.
2.) 8.5' @ STA. 12+40 TO WHATEVER IS USED @ STRUCTURE #3.
C.) USE A 2' SPACING BETWEEN PIPES.
D.) SEE PAGE 4/4 FOR MORE DETAILS.

NOTE:
1.) STRUCTURE #4 WILL BE PUT IN PLACE ACCORDING TO THE ENCLOSED CONSOLIDATED RAIL CORPORATION'S SPECIFICATIONS. [CE-8]
2.) TRACK SUPPORTS WILL BE USED DUE TO REDUCED COVER.
3.) OPEN CUTTING OF THE TRACKS IS UNACCEPTABLE.

STRUCTURE #4 - ["B" ONLY]
ALTERNATE #2 - [FROM STA. 11+94 TO STA. 12+40]
A) JACK & TUNNEL IN PLACE 92 LIN. FT. OF 42" TYPE "B" CONDUIT [706.02-CL. V] USING #601 ROCK CHANNEL PROTECTION TYPE "C" W/O BEDDING AS BACKFILL WHERE NECESSARY.
B) BOTTOM WIDTH WILL VARY AS FOLLOWS WITH 2:1 BANK SLOPES:
1.) 14' @ STA. 11+94 TO WHATEVER IS USED @ STRUCTURE #5.
2.) 14' @ STA. 12+40 TO WHATEVER IS USED @ STRUCTURE #3.
C.) USE A 2' SPACING BETWEEN PIPES.
D.) SEE PAGE 4/4 FOR MORE DETAILS.

NOTE:
1.) STRUCTURE #5 - ACCESS MUST BE PROVIDED AT ALL TIMES TO BUILDINGS IN REAR OF PROPERTY.
2.) ANY ROCK EXCAVATION ENCOUNTERED IN PUTTING IN PLACE STRUCTURES #3, #4 & #5 WILL BE PAID SEPARATELY UNDER THE BID ITEM - "ROCK REMOVAL AND DISPOSAL."

PLAN | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | NOTE BOOK NO. | BY | DATE

PROFILE | SURVEYED | PLOTTED | GRADES CHECKED | B.M. LOCATION | STRUCTURE NO. | NOTATIONS CHKD | BY | DATE

HIGHWAY FEDERAL AID SHEET
PLAN 1-SINGLE PLAN AND PROFILE-LINE & DOT
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