

# STATE OF MAINE STATE HIGHWAY COMMISSION

## PLANS

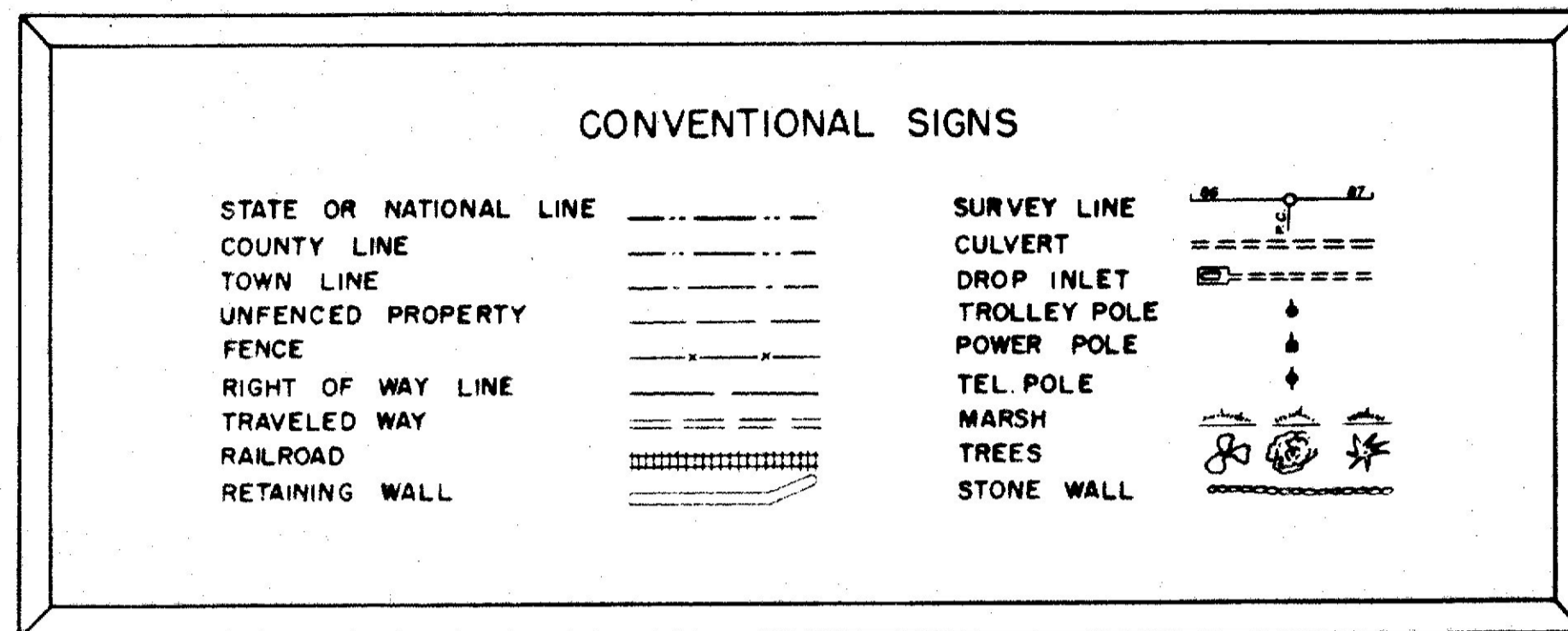
### AMHERST

#### HANCOCK COUNTY MAINE FEDERAL AID SECONDARY PROJECT NO. S-0281(8) STAGE CONST.

TOTAL LENGTH 1.061 MILES

SCALES { PLAN 1 IN. = 50 FT.  
 PROFILE { HOR. 1 IN. = 50 FT.  
 VER. 1 IN. = 5 FT.  
 CROSS SECTIONS 1 IN. = 5 FT.

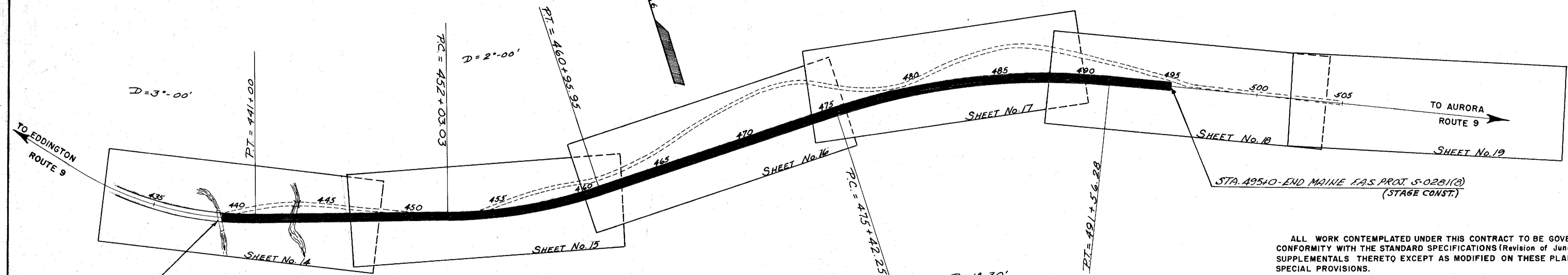
Microfilm #14 on Reel 155



INDEX OF SHEETS

|                 |                  |                    |
|-----------------|------------------|--------------------|
| SHEET NO. 1     | TITLE PAGE       | STA. 439+0-495+0   |
| SHEET NO. 2     | TYPICAL SECTIONS |                    |
| SHEET NO. 3     | QUANTITIES       |                    |
| SHEET NO. 4-11  | STANDARD DETAILS |                    |
| SHEET NO. 14-19 | PLAN AND PROFILE | STA. 439+0-495+0   |
| SHEET NO. 20-44 | CROSS-SECTIONS   | STA. 439+0-495+0   |
| SHEET NO. 12-13 | BRIDGES          | STA. 439+0, 443+50 |
| SHEET NO.       | SPECIAL DETAILS  |                    |

*Sheet 12+13 missing 8-15-73  
Assume taken by Bldg. Maint.*



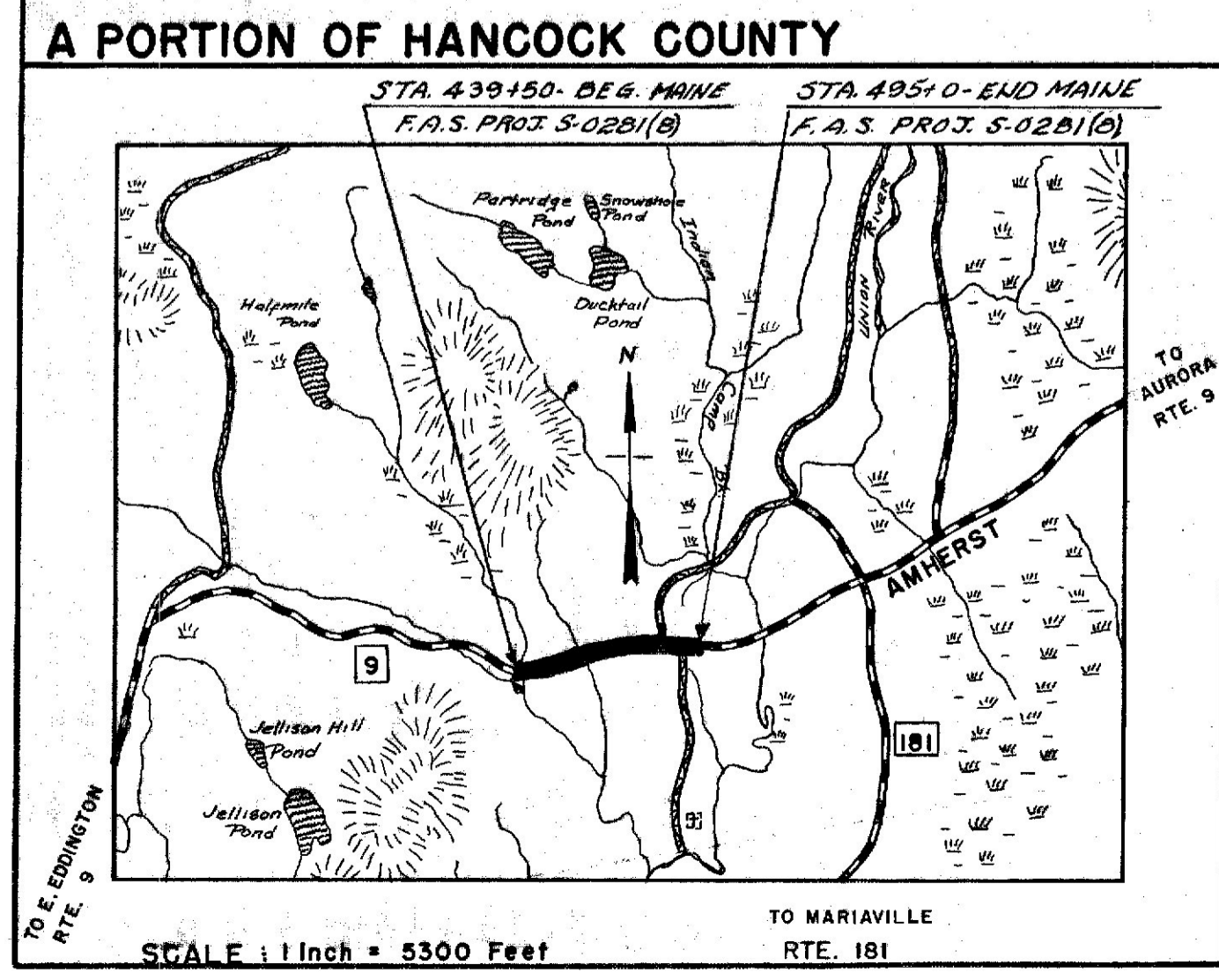
STA. 439+0 BEG. MAINE F.A.S. PROJ. S-0281(8) STAGE CONST. BUILT 1968  
 END MAINE F.A.S. PROJ. S-0281(8)  
 (BUILT 1966-STAGE CONST.)

LAYOUT PLAN SCALE: 1 INCH = 300 FEET

ALL WORK CONTEMPLATED UNDER THIS CONTRACT TO BE GOVERNED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (Revision of June, 1965), AND SUPPLEMENTALS THERETO EXCEPT AS MODIFIED ON THESE PLANS AND IN THE SPECIAL PROVISIONS.

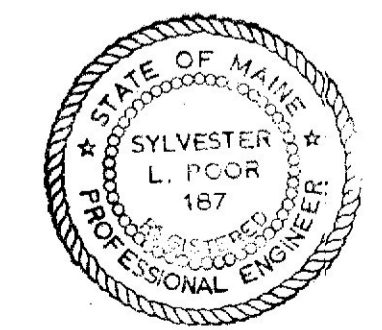
TRAFFIC DATA

|          |      |
|----------|------|
| ADT 1967 | 920  |
| ADT 1987 | 1760 |
| DHV      | 210  |
| T        | 8%   |
| D        | 60   |
| V        | 50   |
| 18K      | 32   |
| P.S.D.   | 48%  |



APPROVED:  
 MAINE STATE HIGHWAY COMMISSION

|  |               |
|--|---------------|
| <i>Davit H. Stevens</i><br>CHAIRMAN        | DATE          |
| <i>Samuel Shaw</i>                         | NOV. 29, 1967 |
| <i>Richard A. Lechart</i>                  | NOV. 29, 1967 |
| <i>Sylvester L. Poor</i><br>CHIEF ENGINEER | NOV. 29, 1967 |



DEPARTMENT OF COMMERCE  
BUREAU OF PUBLIC ROADS  
REGION 1

APPROVED:

|                   |      |
|-------------------|------|
| _____             | DATE |
| DIVISION ENGINEER |      |

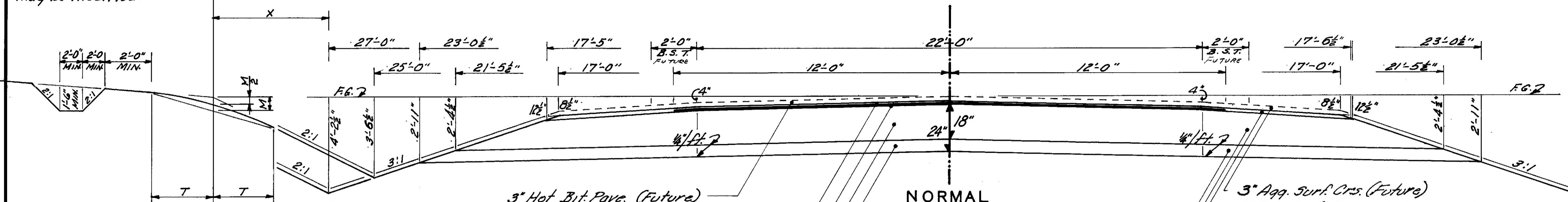
# STANDARD SECTIONS - F. A. S. PROJ. NO. S-0281(8)

# STAGE CONSTR.

|                   |       |                |           |              |
|-------------------|-------|----------------|-----------|--------------|
| B. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
| 1                 | MAINE | S-0281(8)      | 2         | 44           |

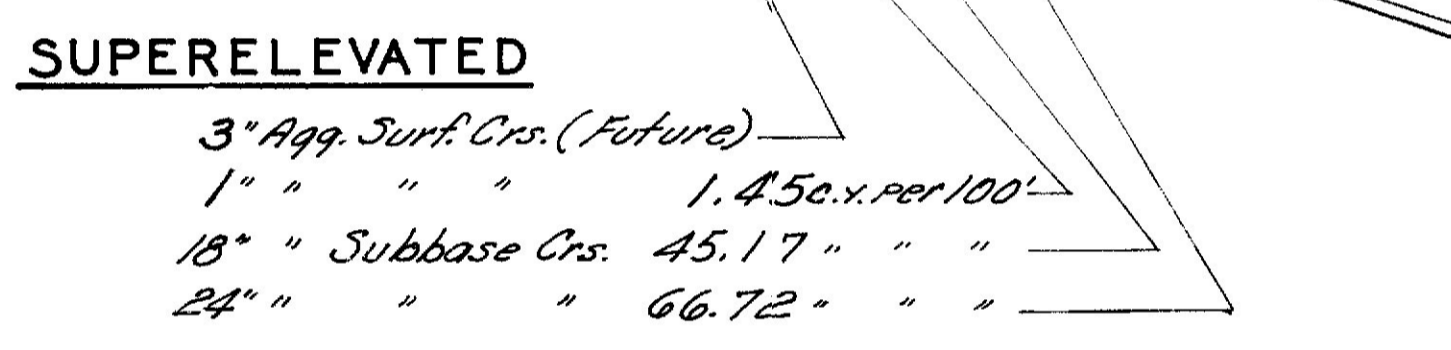
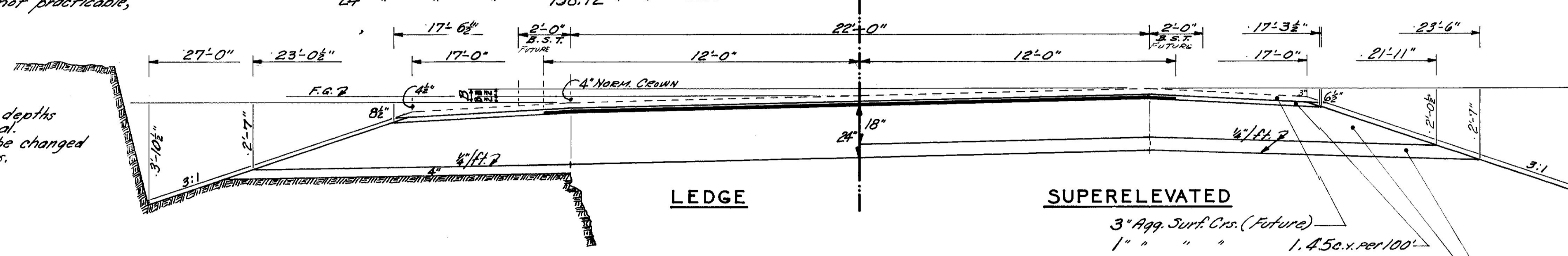
Where "x" = 7 or less, "T" = X-2, otherwise "T" = 5.  
 To Avoid property damage and to save shade trees, this formula may be modified.

24" N - (415+25-451+25), (468+75-471+75), (492-0-500+0)  
 18" N - (411+75-445+25), (461+75-468+75), (471+75-475+0)  
 24" B - (451+25-461+75), (477+25-480+75), (490+25-492+0)  
 18" B - (437+50-441+75), (475+0-477+25), (480+75-490+25)

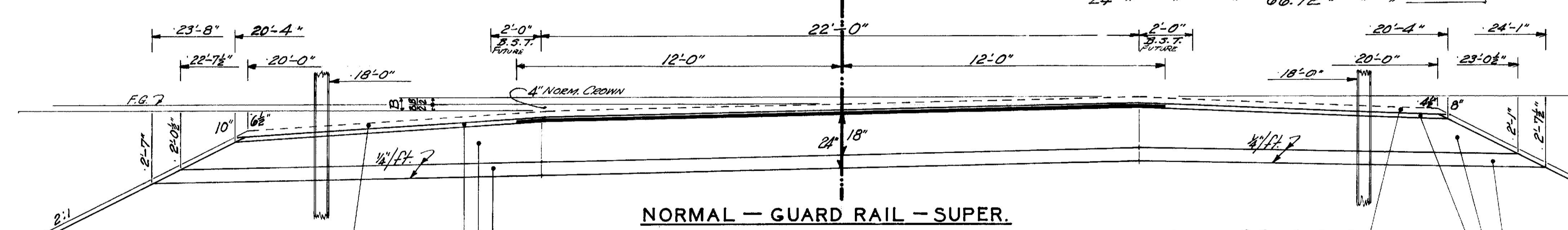


Construct berm ditch where needed.  
 Depth of Ditch depends on local conditions.  
 Where a 2:1 back slope is not practicable, use 1 1/2:1 slope in cuts.

The pavement and base depths are intended to be nominal. Depth of subbase may be changed to meet local conditions.



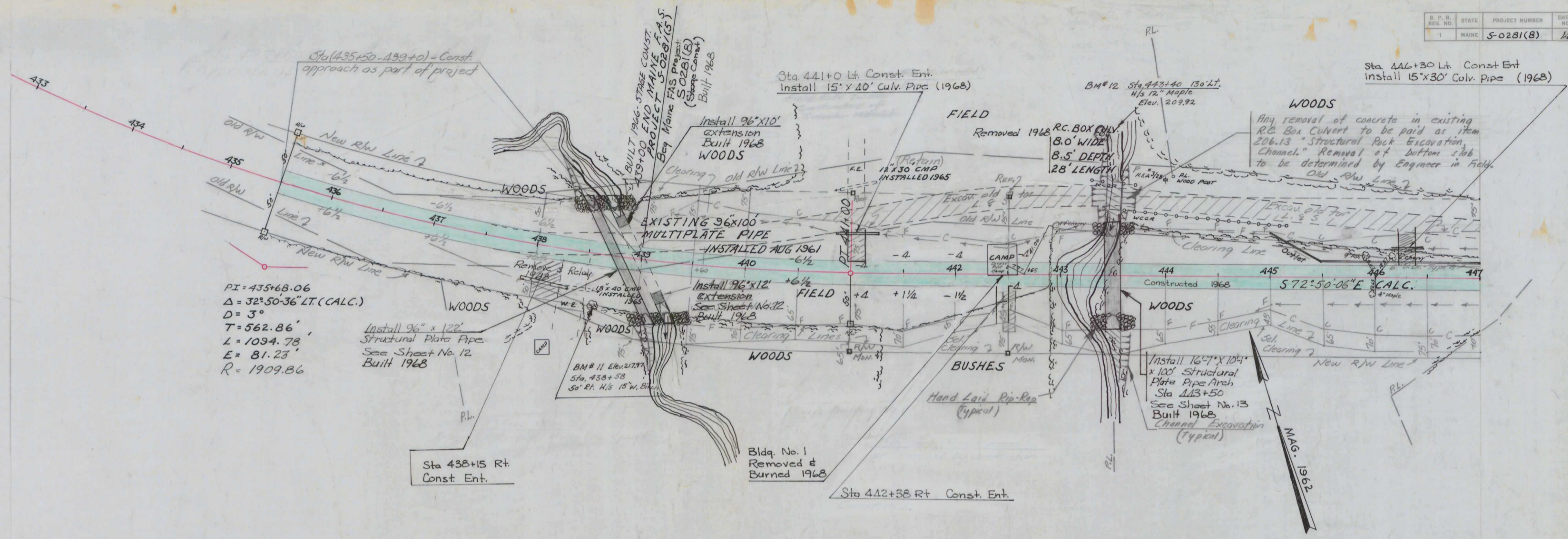
|   |            |
|---|------------|
| Agg. Surf. - Roadway & Shoulders  |            |
| Item 411.09 UNTREATED Agg. Surf. Crs.   | Cubic Yard |
| Specified Mat.: 703.10 Level. Crs.  |            |
| Bit. Mat. - Roadway & Shoulders   |            |
| Item 410.13 BIT. MAT. FOR PRIME COAT  | Gallon     |
| Specified Mat.: RT-5  |            |
| Item 410.16 COVER COAT MAT. - SAND  | Cubic Yard |
| Item 412.11 BIT. MAT. FOR MULCH SURF. CRS.  | Gallon     |
| Specified Mat.: RT-6  |            |
| Item 412.12 Agg. FOR MULCH SURF. CRS.   | Cubic Yard |
| Specified Mat.: Agg. For Cover Coat Mat. - Sand   |            |
| Cover 703.13  |            |
| The specifications for Bit. Mulch Surf. Crs., subsection 412.08, requires a seal coat if so directed by the Engineer. |            |
| Seal Coat provided as follows:-   |            |
| Item 410.13 BIT. MAT. FOR SEAL COAT   | Gallon     |
| Specified Mat.: RT-7  |            |
| Item 410.16 COVER COAT MAT. - SAND  | Cubic Yard |



TESTING LABORATORY {BIT. LIQUIDS  
 FACILITIES REQ'D. } SOILS

SURFACE OF ALL SECTIONS - STRAIGHT CROWN

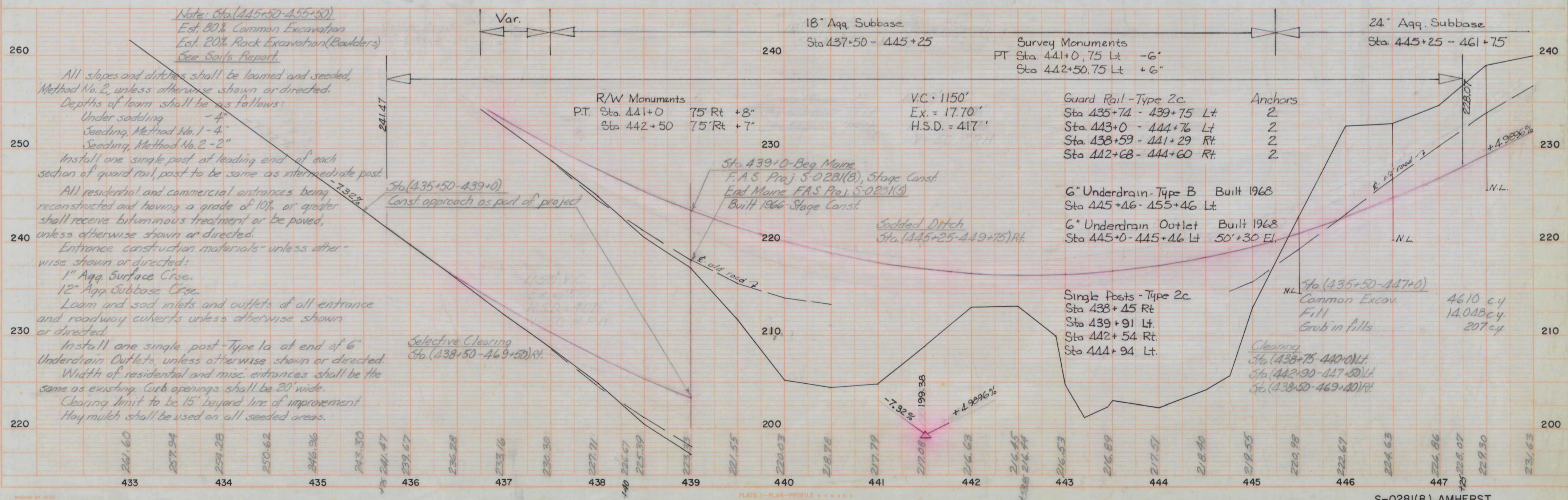
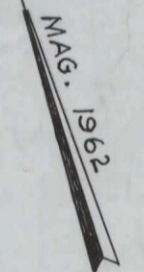
8/10/60/67



$PI = 435+68.06$   
 $\Delta = 32^{\circ}50'36" LT. (CALC.)$   
 $D = 3^{\circ}$   
 $T = 562.86'$   
 $L = 1094.78'$   
 $E = 81.23'$   
 $R = 1909.86'$

Install 96" x 122"  
 Structural Plate Pipe  
 See Sheet No. 12  
 Built 1968

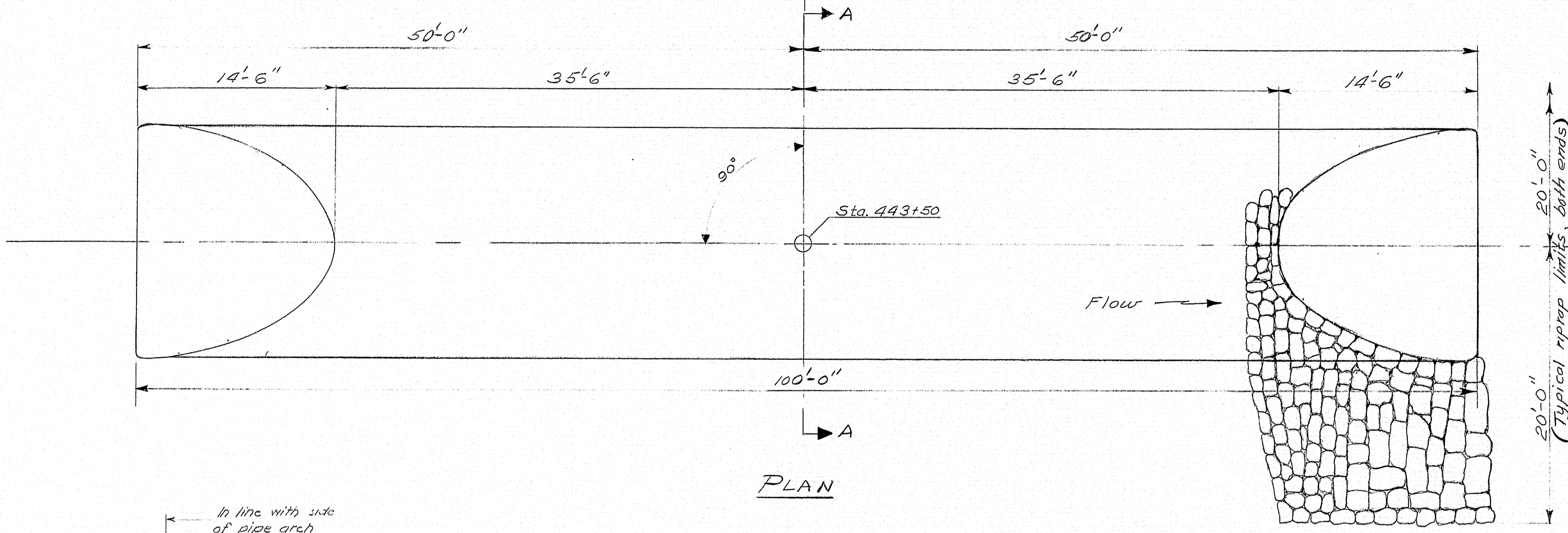
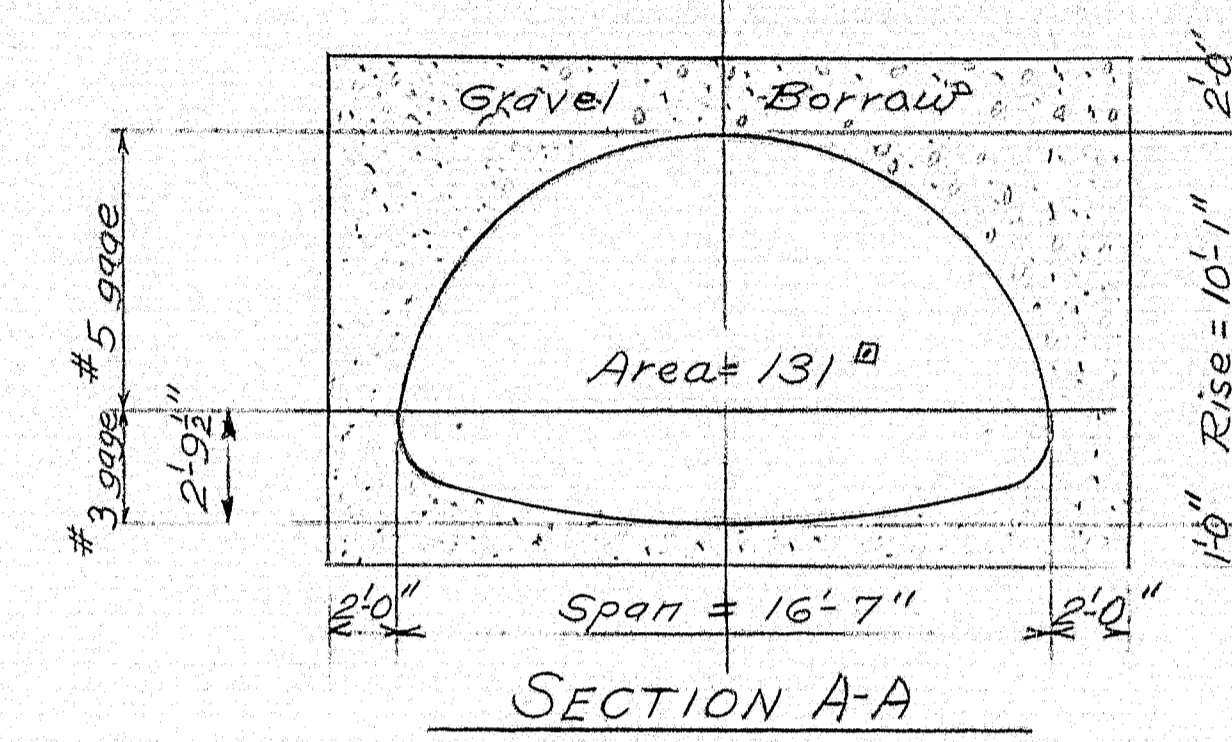
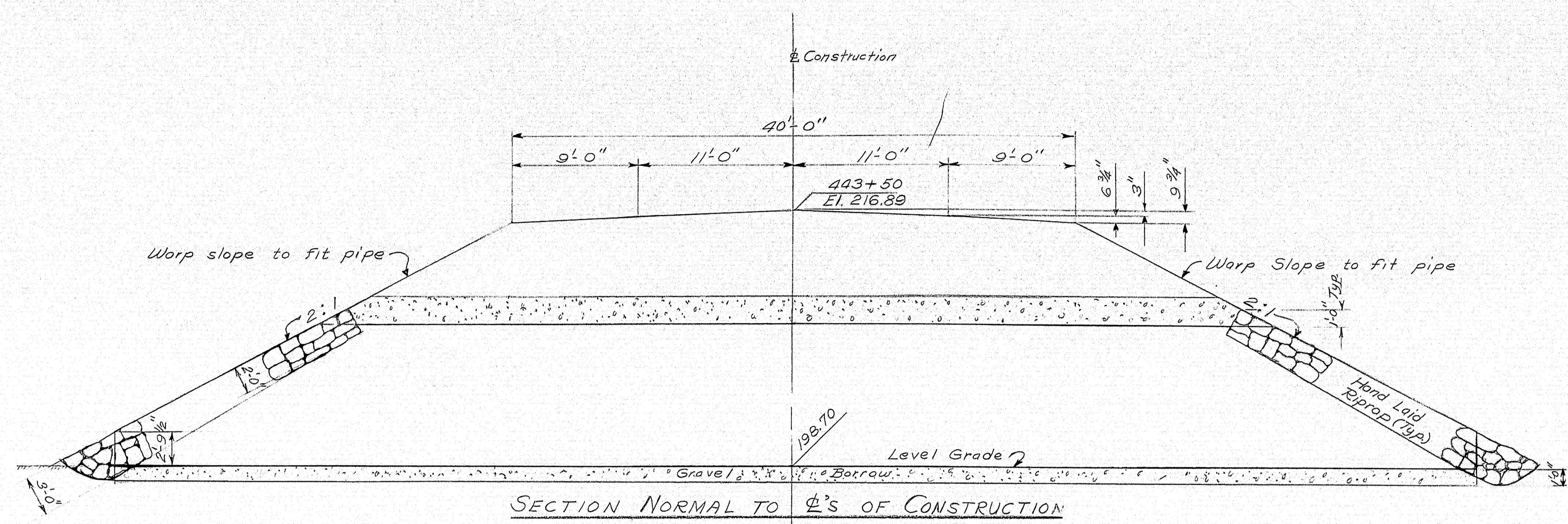
Install 16'-7" x 10'-1"  
 x 100' Structural  
 Plate Pipe Arch  
 Sta 443+50  
 See Sheet No. 13  
 Built 1968  
 Channel Excavation  
 (Typical)



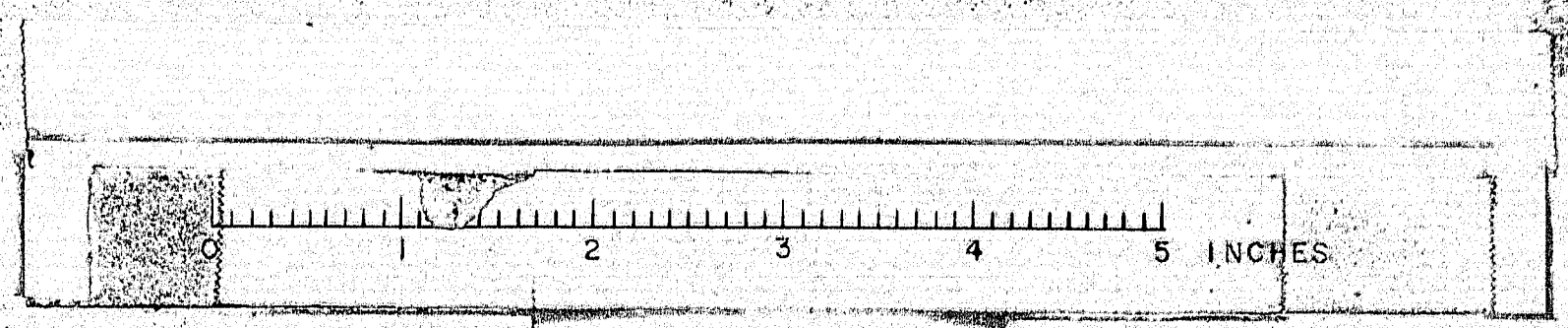
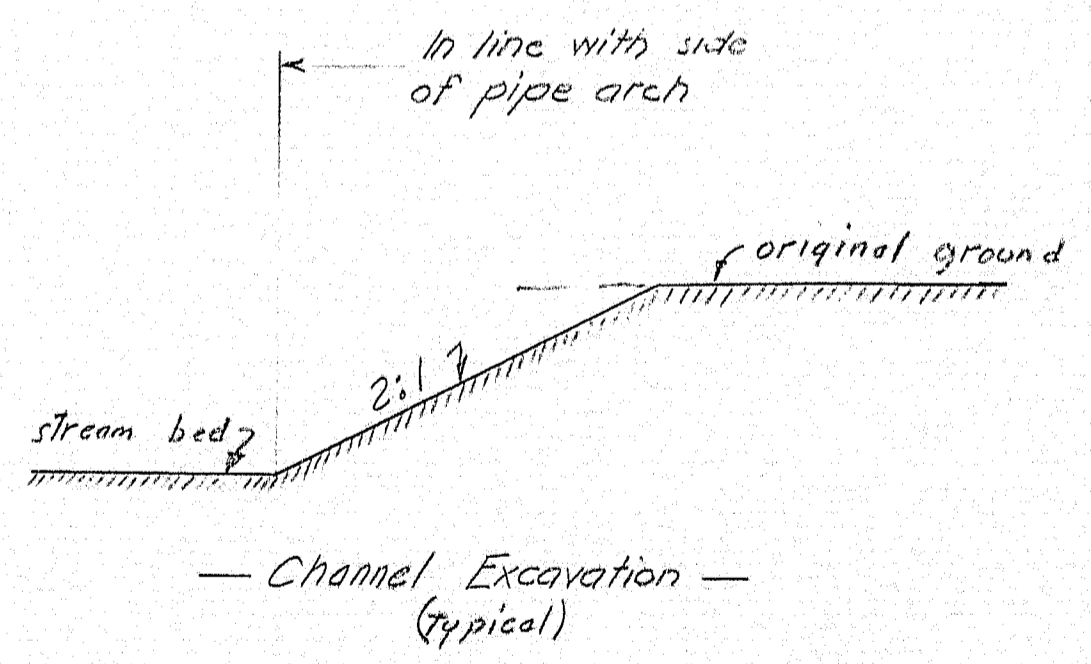
Note: Sta. (445+50 - 455+50)  
 Est. 80% Common Excavation  
 Est. 20% Rock Excavation (Boulders)  
 See Soils Report.

All slopes and ditches shall be loamed and seeded, Method No. 2, unless otherwise shown or directed. Depths of loam shall be as follows:  
 Under sodding - 4"  
 Seeding, Method No. 1 - 4"  
 Seeding, Method No. 2 - 2"  
 Install one single post at leading end of each section of guard rail, post to be same as intermediate post.  
 All residential and commercial entrances being reconstructed and having a grade of 10% or greater shall receive bituminous treatment or be paved, unless otherwise shown or directed.  
 Entrance construction materials - unless otherwise shown or directed:  
 1" Agg. Surface Crse.  
 12" Agg. Subbase Crse.  
 Loam and sod inlets and outlets of all entrance and roadway culverts unless otherwise shown or directed.  
 Install one single post - Type 1a at end of 6" Underdrain Outlets, unless otherwise shown or directed.  
 Width of residential and misc. entrances shall be the same as existing. Curb openings shall be 20' wide.  
 Clearing limit to be 15' beyond line of improvement.  
 Hay mulch shall be used on all seeded areas.

PLUM  
 N. S. SIMPSON  
 REGISTERED PROFESSIONAL ENGINEER  
 MAINE  
 NO. 1166



Required: One 16'-7" Span, 10'-1" Rise Structural Plate Pipe Arch as shown.  
 Gage: As shown in Section A-A  
 Design: A. A. S. H. O. Standard Specifications for Highway Bridges, 1965.  
 Construction: State of Maine, State Highway Commission, Standard Specifications, Highways and Bridges, Revision of June 1965.  
 Loading: H 20-44



DESIGN - MORRISON  
 TRACE - MORRISON  
 CHECK - MILLER

BRIDGE NO. SURVEY PLOT

STATE HIGHWAY COMMISSION  
 BRIDGE DIVISION

ROUTE 9 STRUCTURES  
 IN THE TOWN OF  
 AMHERST

HANCOCK COUNTY  
 STRUCTURAL PLATE PIPE ARCH  
 AT STATION 443+50.

SHEET 1 OF 1 AUGUSTA, MAINE MARCH 1967

M-2627