B.P.R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-022-1(7)	1	102

CANTON

STATE OF MAINE
STATE HIGHWAY COMMISSION

PLANS

CANTON
OXFORD COUNTY
MAINE FEDERAL AID PRIMARY
PROJECT NO. F-022-1(7)

TOTAL LENGTH 1.756 MILES

SCALES
- PLAN { 1 IN. = 25 FT. / 1 IN. = 50 FT.
- PROFILE { HOR. 1 IN. = 50 FT. & 1 IN. = 25 FT. / VER. 1 IN. = 5 FT.
- CROSS SECTIONS 1 IN. = 5 FT.

GRADING, BASE & PAVEMENT

"AS BUILT"
1970

MICROFILM REEL 143 1st on Reel

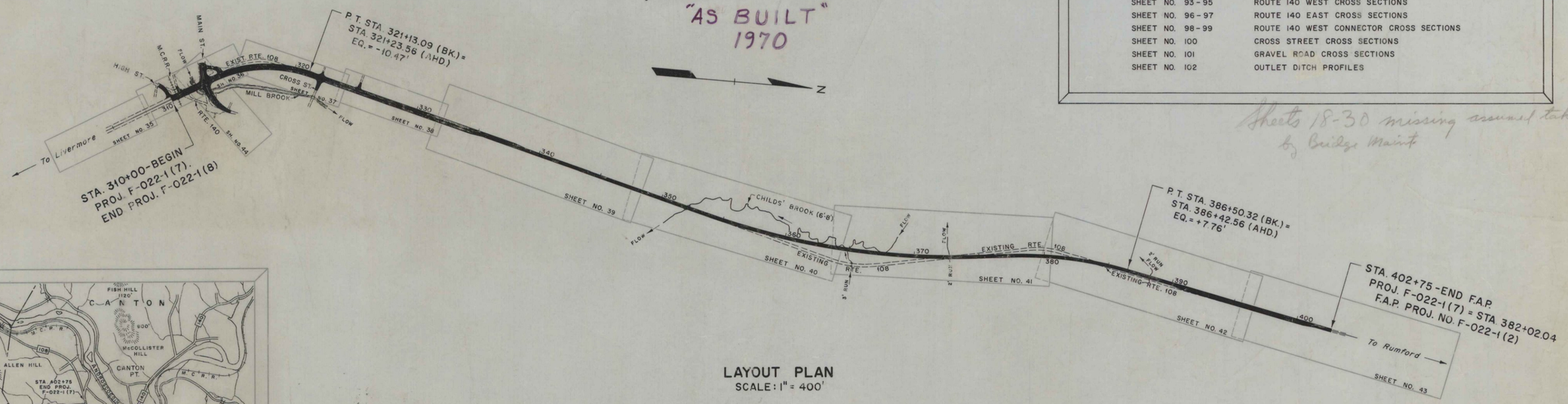
CONVENTIONAL SIGNS

STATE OR NATIONAL LINE	SURVEY LINE
COUNTY LINE	CULVERT
TOWN LINE	DROP INLET
UNFENCED PROPERTY	TROLLEY POLE
FENCE	POWER POLE
RIGHT OF WAY LINE	TEL POLE
TRAVELED WAY	MARSH
RAILROAD	TREES
RETAINING WALL	STONE WALL

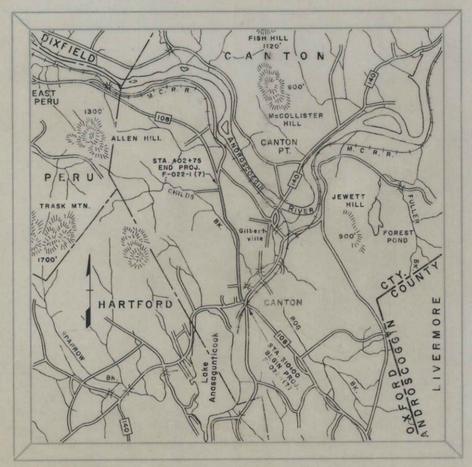
INDEX OF SHEETS

SHEET NO. 1	TITLE PAGE
SHEET NO. 2-4	TYPICAL SECTIONS
SHEET NO. 5	QUANTITIES
SHEET NO. 6	DRAINAGE
SHEET NO. 7-16	STANDARD DETAILS
SHEET NO. 17	BRIDGE STANDARD DETAIL
SHEET NO. 18-30	BRAGGS BRIDGE AND STATE ROAD BRIDGE
SHEET NO. 31	GRADING AND GEOMETRICS ROUTE 140 INTERSECTION
SHEET NO. 32	PROFILE SHOWING VARIABLE EXPOSURE OF CURB FACE
SHEET NO. 33	SPECIAL DETAILS
SHEET NO. 34	SIDE ROAD AND RADIUS PROFILES
SHEET NO. 35-44	PLANS AND PROFILES
SHEET NO. 45-91	MAIN LINE CROSS SECTIONS
SHEET NO. 92	HIGH STREET CROSS SECTIONS
SHEET NO. 93-95	ROUTE 140 WEST CROSS SECTIONS
SHEET NO. 96-97	ROUTE 140 EAST CROSS SECTIONS
SHEET NO. 98-99	ROUTE 140 WEST CONNECTOR CROSS SECTIONS
SHEET NO. 100	CROSS STREET CROSS SECTIONS
SHEET NO. 101	GRAVEL ROAD CROSS SECTIONS
SHEET NO. 102	OUTLET DITCH PROFILES

Sheets 18-30 missing assumed taken by Bridge Maint



LAYOUT PLAN
SCALE: 1" = 400'



A PORTION OF OXFORD COUNTY
SCALE: 1" = 1 mile

NOTE:
All Work Contemplated Under This Contract To Be Governed By And In Conformity With The Specifications Adopted June 1968 Except As Modified On These Plans And In The Special Provisions And In Any Other Supplemental Specifications.

TRAFFIC DATA

A.D.T. 1967	1850	
A.D.T. 1987	2960	
D.H.V.	385	
T.	8%	
D.	60%	
V.	40 mph	Sta. 310+00 - 323+00
V.	60 mph	Sta. 323+00 - 402+75

STATE OF MAINE SYLVESTER L. POOR 187 REGISTERED PROFESSIONAL ENGINEER

APPROVED:
MAINE STATE HIGHWAY COMMISSION

	DATE
Dwight Stuart, CHAIRMAN	7 Aug. '68
Bernard G. Lucharito	7 Aug. '68
Steven D. Shaw	7 Aug. '68
Sylvester L. Poor, CHIEF ENGINEER	7 Aug. '68

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
BUREAU OF PUBLIC ROADS
REGION 1

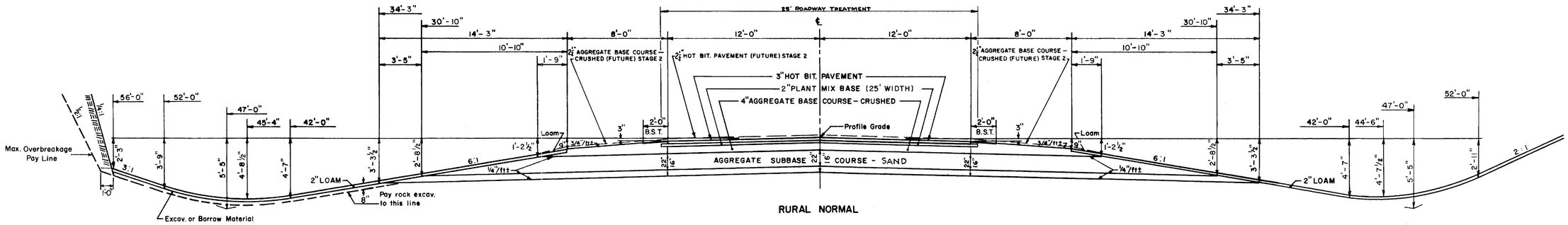
APPROVED:

DIVISION ENGINEER DATE

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-022-1(7)	2	102

3" HOT BITUMINOUS PAVEMENT *

STAGE I



RURAL NORMAL

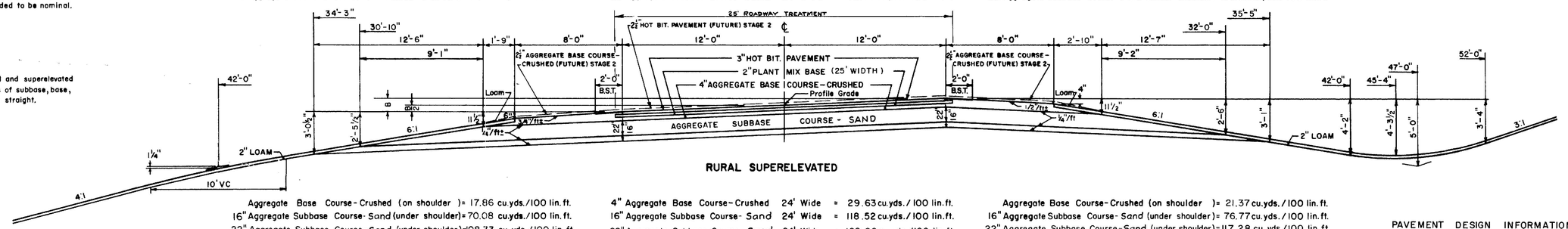
Aggregate Base Course-Crushed (on shoulder) = 17.86 cu.yds./100 lin.ft.
16" Aggregate Subbase Course-Sand (under shoulder) = 70.08 cu.yds./100 lin.ft.
22" Aggregate Subbase Course-Sand (under shoulder) = 108.33 cu.yds./100 lin.ft.

4" Aggregate Base Course-Crushed 24' Wide = 29.63 cu.yds./100 lin.ft.
16" Aggregate Subbase Course-Sand 24' Wide = 118.52 cu.yds./100 lin.ft.
22" Aggregate Subbase Course-Sand 24' Wide = 162.96 cu.yds./100 lin.ft.

Aggregate Base Course-Crushed (on shoulder) = 17.86 cu.yds./100 lin.ft.
16" Aggregate Subbase Course-Sand (under shoulder) = 70.08 cu.yds./100 lin.ft.
22" Aggregate Subbase Course-Sand (under shoulder) = 108.33 cu.yds./100 lin.ft.

*NOTE:
The pavement and base depths as shown on the plans are intended to be nominal.

NOTE:
Crowns for both normal and superelevated sections for all courses of subbase, base, and pavement shall be straight.

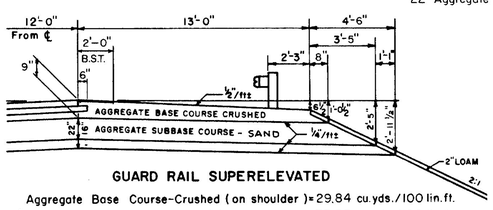


RURAL SUPERELEVATED

Aggregate Base Course-Crushed (on shoulder) = 17.86 cu.yds./100 lin.ft.
16" Aggregate Subbase Course-Sand (under shoulder) = 70.08 cu.yds./100 lin.ft.
22" Aggregate Subbase Course-Sand (under shoulder) = 108.33 cu.yds./100 lin.ft.

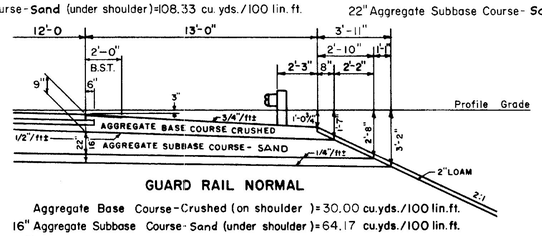
4" Aggregate Base Course-Crushed 24' Wide = 29.63 cu.yds./100 lin.ft.
16" Aggregate Subbase Course-Sand 24' Wide = 118.52 cu.yds./100 lin.ft.
22" Aggregate Subbase Course-Sand 24' Wide = 162.96 cu.yds./100 lin.ft.

Aggregate Base Course-Crushed (on shoulder) = 21.37 cu.yds./100 lin.ft.
16" Aggregate Subbase Course-Sand (under shoulder) = 76.77 cu.yds./100 lin.ft.
22" Aggregate Subbase Course-Sand (under shoulder) = 117.28 cu.yds./100 lin.ft.



GUARD RAIL SUPERELEVATED

Aggregate Base Course-Crushed (on shoulder) = 29.84 cu.yds./100 lin.ft.
16" Aggregate Subbase Course-Sand (under shoulder) = 73.85 cu.yds./100 lin.ft.
22" Aggregate Subbase Course-Sand (under shoulder) = 105.85 cu.yds./100 lin.ft.



GUARD RAIL NORMAL

Aggregate Base Course-Crushed (on shoulder) = 30.00 cu.yds./100 lin.ft.
16" Aggregate Subbase Course-Sand (under shoulder) = 64.17 cu.yds./100 lin.ft.
22" Aggregate Subbase Course-Sand (under shoulder) = 93.99 cu.yds./100 lin.ft.

(e) The maximum superelevation shall not exceed 0.08' per foot width of pavement. All curves shall have full superelevation at the first 50' station occurring a minimum distance of 50' after the P.C. and a minimum distance of 50' before the P.T. When superelevation exceeds ¾" per foot, inside shoulder shall have same slope as pavement.

SUPERELEVATED	NORMAL
Sta. 313+50 to Sta. 321+75	Sta. 309+50 to Sta. 313+50
Sta. 353+50 to Sta. 387+00	Sta. 321+75 to Sta. 353+50
	Sta. 387+00 to Sta. 404+50

16" AGG. SUBBASE COURSE - SAND	22" AGG. SUBBASE COURSE - SAND	12" AGG. SUBBASE COURSE - SAND
Sta. 340+25 to Sta. 375+50	Sta. 309+30 to Sta. 340+25	Sta. 375+50 to Sta. 386+00
Sta. 386+00 to Sta. 389+75	Sta. 389+75 to Sta. 402+75	

OTHER BITUMINOUS ITEMS CONT.

ROADWAY TREATMENT

The bituminous treatment of the roadway shall consist of a prime coat of RT-5, item no. 410.13, and cover coat sand, item no. 410.16.

PAVEMENT DESIGN INFORMATION

DESCRIPTION OF COURSE	GRADATION	ITEM NO.	% MIX BITUMEN	THICK-NESS	NO. of LAYERS	NOTES
Travel Way (Include Truck Lane)						
Wearing	"C"	403.080	7.0	1¼"	1	1, 2
Binder	"B"	403.070	6.0	1¾"	1	1, 2
Base	"A"	301.08	5.0	2"	1	1, 2
Paved Approaches, Sideroads, & Shoulders						
Wearing	"C"	403.080	7.0	1¼"	1	1, 2
Binder	"B"	403.070	6.0	1¾"	1	1, 2
Shim Course						
Leveling	"E"	403.121	7.5	Variable	1 or More	1, 2, 3, & 4
Paved Drives, Downspouts, Sidewalks & Incidentals						
Wearing & Binder	"E"	403.12	7.5	2"	2	1, 2, 3, 4

NOTES:
1. The bituminous binder material for the mixtures shall be Penetration Grade (85-100) Asphalt Cement. The Asphalt Cement shall be paid for Seperately.
2. The asphalt contents shown are to serve as a guide only and are not specifications.
3. Mixtures meeting the aggregate gradation of "B" and "C" above may be used for the bottom layer with payment to be made under Item 403.12
4. The density requirements are waived

* Note: The substitution of gradations "B" and "C" to be used for shimming Bridge Slabs only.

OTHER BITUMINOUS ITEMS

SHOULDER TREATMENT (2' BST)

Bituminous treatment of the gravel shoulders shall consist of a Prime Coat of RT-5, Item 410.13 and Cover Coat Material-sand (if required) Item 410.16 followed by a Seal Coat of RT-6, Item 410.13 and Cover Coat Material-sand, Item 410.16.

The use of rollers as specified in subsection 405.05 and 410.05 may be substituted by adequate rolling in accordance with subsection 411.04

TACK COAT

In the event paving operations are extended into the following spring; a tack coat of Emulsified Asphalt, AE-90, Item 410.15 shall be applied to the existing course prior to placing a new course if so directed by the Engineer.

C. B. CO., NO. 3788 38767

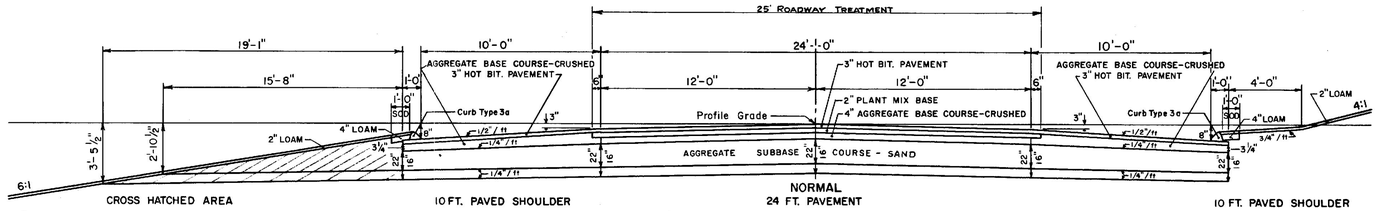
CANTON F-022-1(7)

F. A. P. N. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	OHIO	F-022-1(7)	3	102

3" BITUMINOUS PAVEMENT *

* NOTE:

The pavement and base depths as shown on the plans are intended to be nominal.

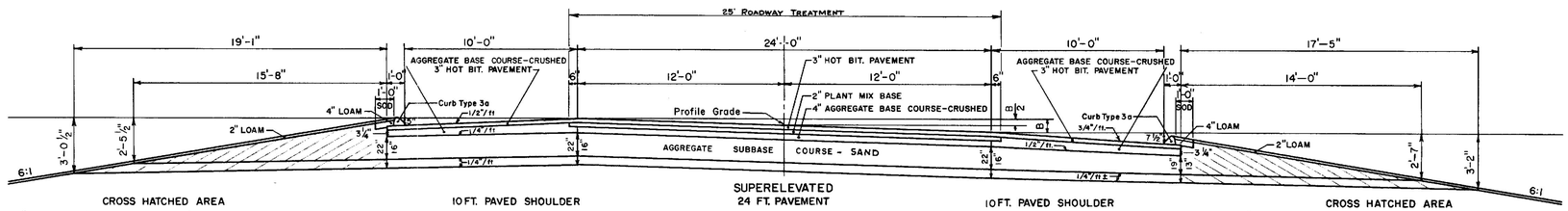


CROSS HATCHED AREA
16" Aggregate Subbase Course- Sand = 65.26 cu.yds./100 lin.ft.
22" Aggregate Subbase Course- Sand = 97.36 cu.yds./100 lin.ft.

10 FT. PAVED SHOULDER

NORMAL
24 FT. PAVEMENT
4" Aggregate Base Course-Crushed = 29.63 cu.yds./100 lin.ft.
16" Aggregate Subbase Course- Sand = 118.52 cu.yds./100 lin.ft.
22" Aggregate Subbase Course- Sand = 162.96 cu.yds./100 lin.ft.

10 FT. PAVED SHOULDER
Aggregate Base Course-Crushed = 15.39 cu.yds./100 lin.ft.
16" Aggregate Subbase Course- Sand = 54.32 cu.yds./100 lin.ft.
22" Aggregate Subbase Course- Sand = 74.69 cu.yds./100 lin.ft.



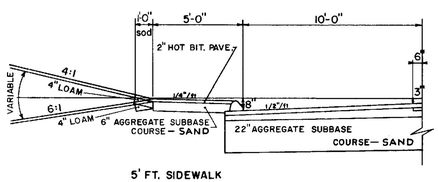
CROSS HATCHED AREA
16" Aggregate Subbase Course- Sand = 65.26 cu.yds./100 lin.ft.
22" Aggregate Subbase Course- Sand = 97.36 cu.yds./100 lin.ft.

10 FT. PAVED SHOULDER
Aggregate Base Course-Crushed = 15.39 cu.yds./100 lin.ft.
16" Aggregate Subbase Course- Sand = 54.32 cu.yds./100 lin.ft.
22" Aggregate Subbase Course- Sand = 74.69 cu.yds./100 lin.ft.

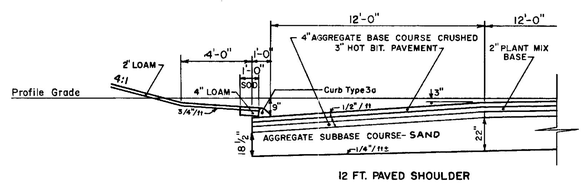
SUPERELEVATED
24 FT. PAVEMENT

10 FT. PAVED SHOULDER
Aggregate Base Course-Crushed = 15.39 cu.yds./100 lin.ft.
16" Aggregate Subbase Course- Sand = 49.23 cu.yds./100 lin.ft.
22" Aggregate Subbase Course- Sand = 69.60 cu.yds./100 lin.ft.

CROSS HATCHED AREA
13" Aggregate Subbase Course- Sand = 51.87 cu.yds./100 lin.ft.
19" Aggregate Subbase Course- Sand = 80.88 cu.yds./100 lin.ft.

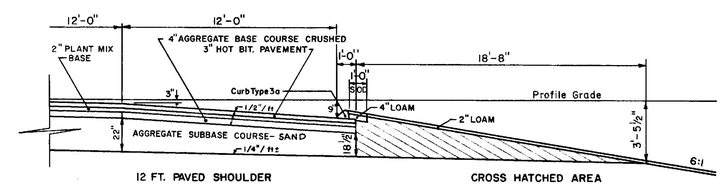


5' FT. SIDEWALK
6" Aggregate Subbase Course - Sand = 7.87 cu.yds./100 lin.ft.



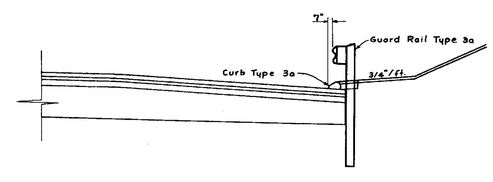
12 FT. PAVED SHOULDER
Aggregate Base Course-Crushed = 16.05 cu.yds./100 lin.ft.
22" Aggregate Subbase Course- Sand = 81.25 cu.yds./100 lin.ft.

NORMAL



12 FT. PAVED SHOULDER

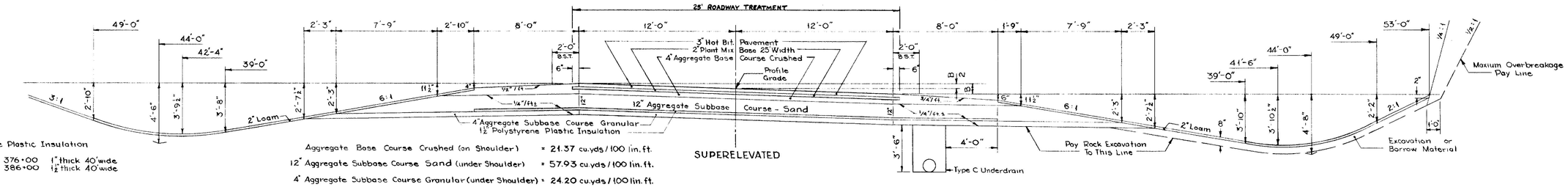
CROSS HATCHED AREA
Aggregate Subbase Course- Sand = 93.05 cu.yds./100 lin.ft.



GUARD RAIL LOCATION IN CURB AREAS

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-022-1(7)	4	102

3" HOT BITUMINOUS PAVEMENT*

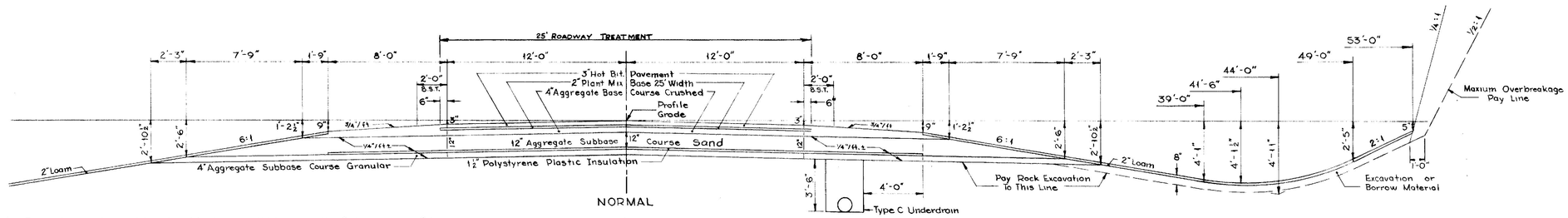


Polystyrene Plastic Insulation

Sta. 375+50 to 376+00 1" thick 40' wide
Sta. 376+00 to 386+00 1½" thick 40' wide

Aggregate Base Course Crushed (on Shoulder) = 21.37 cu.yds/100 lin.ft.
12" Aggregate Subbase Course Sand (under Shoulder) = 57.93 cu.yds/100 lin.ft.
4" Aggregate Subbase Course Granular (under Shoulder) = 24.20 cu.yds/100 lin.ft.

* NOTE:
The pavement and base depths as shown on the plans are intended to be nominal.



Aggregate Base Course Crushed (on Shoulder) = 17.86 cu.yds/100 lin.ft.
12" Aggregate Subbase Course Sand (under Shoulder) = 53.09 cu.yds/100 lin.ft.
4" Aggregate Subbase Course Granular (under Shoulder) = 22.78 cu.yds/100 lin.ft.

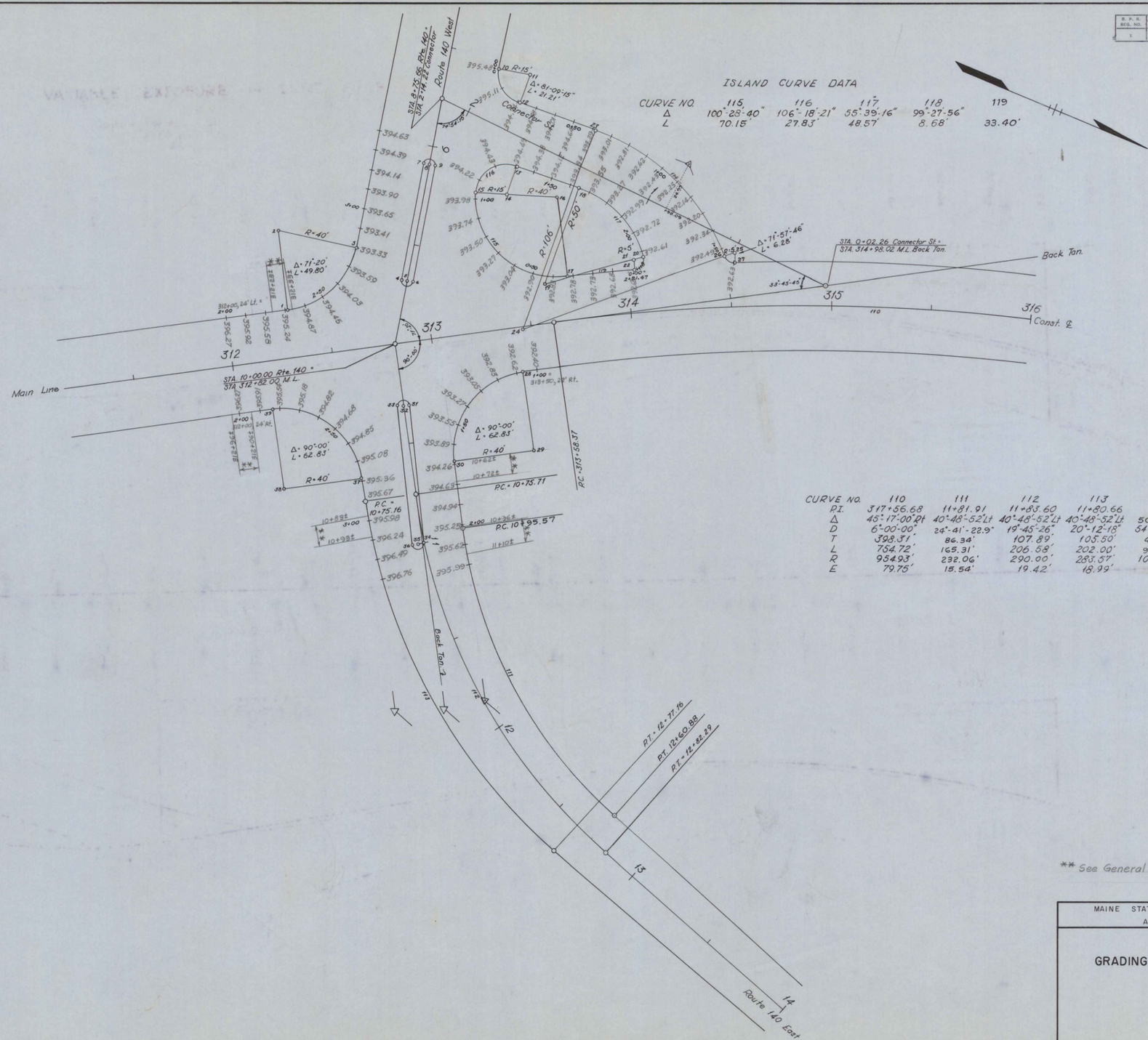
4" Aggregate Base Course Crushed 24' Wide = 29.63 cu.yds/100 lin.ft.
12" Aggregate Subbase Course Sand 24' Wide = 88.89 cu.yds/100 lin.ft.
4" Aggregate Subbase Course Granular 24' Wide = 29.63 cu.yds/100 lin.ft.

PLANS		BY	DATE
	DESIGN - DETAILED	RAB	5-68
	CHECKED	PCT	
	REVISIONS		
	FIELD CHANGES		

STATE HIGHWAY COMMISSION

SHEET OF AUGUSTA, MAINE

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	FO 22-1(7)	31	102



ISLAND CURVE DATA

CURVE NO.	115	116	117	118	119
Δ	100°-28'-40"	106°-18'-21"	55°-39'-16"	99°-27'-56"	
L	70.15'	27.83'	48.57'	8.68'	33.40'

CURVE NO.	110	111	112	113	114
P.I.	317+56.68	11+81.91	11+83.60	11+80.66	
Δ	45°-17'-00" Rt	40°-48'-52" Lt	40°-48'-52" Lt	40°-48'-52" Lt	50°-03'-43"
D	6°-00'-00"	24°-41'-22.9"	19°-45'-26"	20°-12'-18"	54°-03'-10"
T	393.31'	86.34'	107.89'	105.50'	49.50'
L	754.72'	165.31'	206.58'	202.00'	92.62'
R	954.93'	232.06'	290.00'	283.57'	106.00'
E	79.75'	15.54'	19.42'	18.99'	

Main Line Ties; Back Tangent Ties*			Gutter Elevation
Point	Station	Offset	
1	312+31.85	24.00' Lt	395.17
2	312+31.85	64.00' Lt	
17*	313+70.79	21.92' Lt	392.80
19*	313+59.74	20.57' Lt	
21*	314+04.42	25.92' Lt	
22*	314+04.18	20.93' Lt	392.63
24	313+45.99	1.59' Rt	
25*	314+54.39	22.29' Lt	
26*	314+49.51	21.22' Lt	
27*	314+53.90	17.32' Lt	
28	313+43.00	22.00' Lt	392.55
39	312+17.00	24.00' Lt	395.65

Route 140 West Ties			
Point	Station	Offset	
2	9+55.42	68.00' Rt	
3	9+55.42	28.00' Rt	393.32
4	9+68.00	3.00' Rt	
5	9+68.00	℄	
6	9+68.00	3.00' Lt	
7	9+09.00	3.00' Rt	
8	9+09.00	℄	
9	9+09.00	3.00' Lt	
10	8+55.28	25.00' Lt	395.48
11	8+55.28	40.00' Lt	
14	9+16.00	40.00' Lt	
15	9+17.95	25.13' Lt	394.06

Route 140 East Ties			
Point	Station	Offset	
29	10+62.00	61.00' Lt	
30	10+62.00	21.00' Lt	394.25
31	10+31.00	3.00' Lt	
32	10+31.00	℄	
33	10+31.00	3.00' Rt	
34*	10+99.90	1.01' Lt	
35*	10+99.82	1.99' Rt	
36*	10+99.73	4.99' Rt	
37	10+64.00	25.00' Rt	395.35
38	10+64.00	65.00' Rt	

Connector Ties			
Point	Station	Offset	
11	1+80.91	30.09' Rt	
12	1+79.28	15.18' Rt	394.70
13	1+66.73	13.62' Lt	394.49
14	1+65.10	28.53' Lt	
16	1+42.01	18.94' Lt	
18	1+34.09	10.05' Lt	393.71
20	0+90.68	27.22' Lt	392.59
21	0+94.47	30.47' Lt	
23	1+39.29	19.56' Rt	393.24
25	0+50.91	5.71' Lt	
26	0+54.38	9.32' Lt	392.54
27	0+48.56	10.12' Lt	392.63

** See General Note No. 17 Sheet No. 35

MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

GRADING AND GEOMETRICS

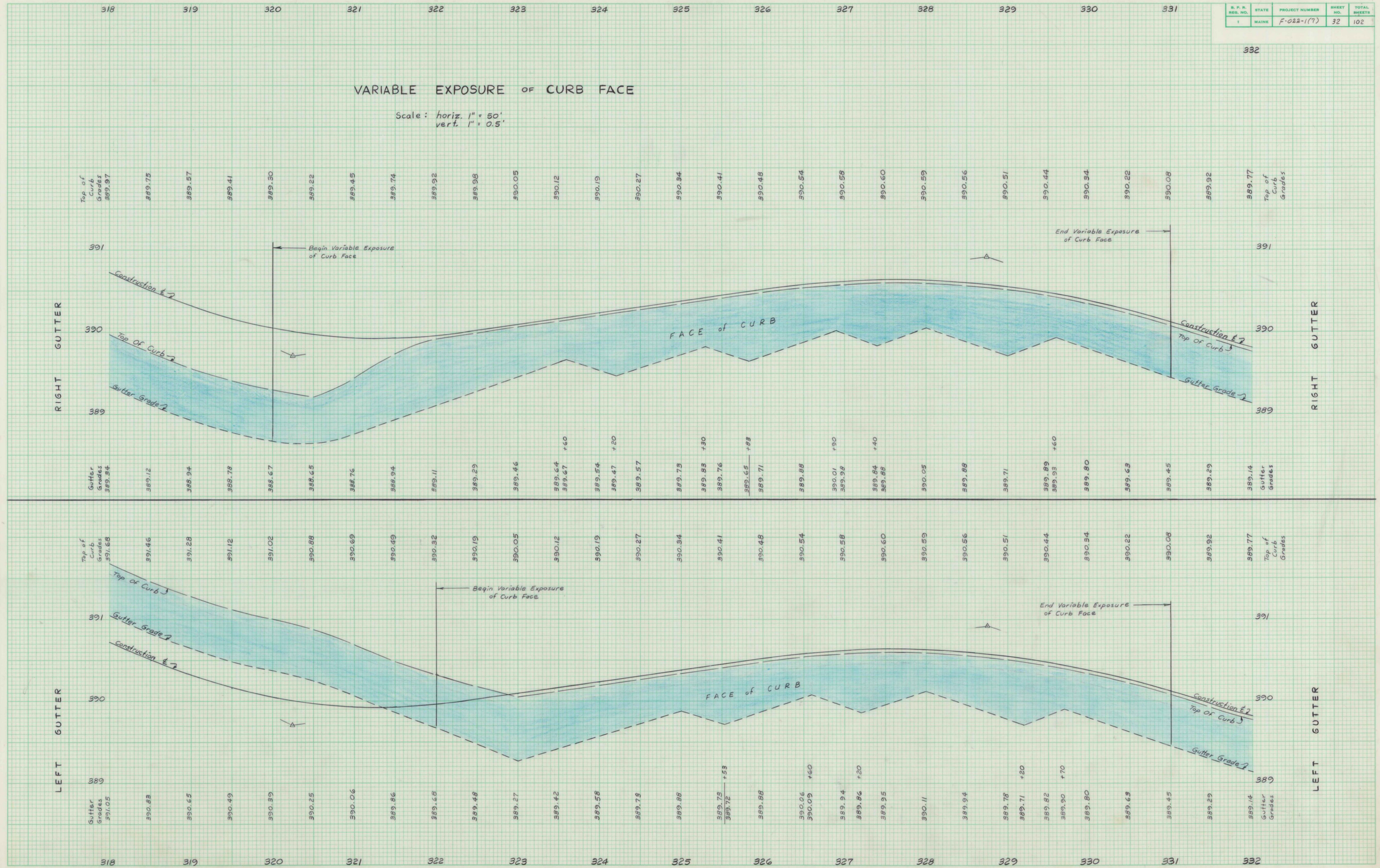
SCALE 1" = 25'

CANTON (22)

R. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-022-1(7)	32	102

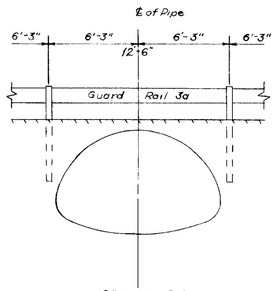
VARIABLE EXPOSURE OF CURB FACE

Scale: horiz. 1" = 50'
vert. 1" = 0.5'

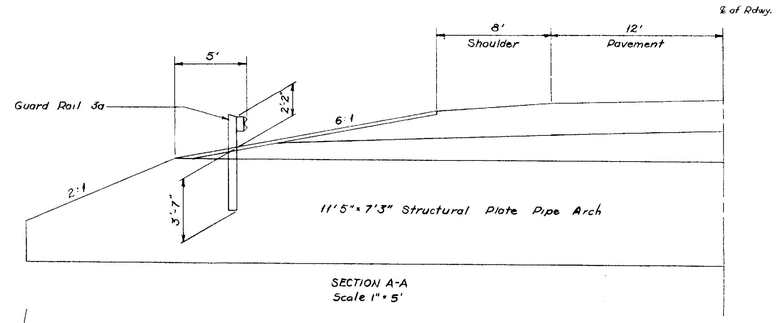


CANTON

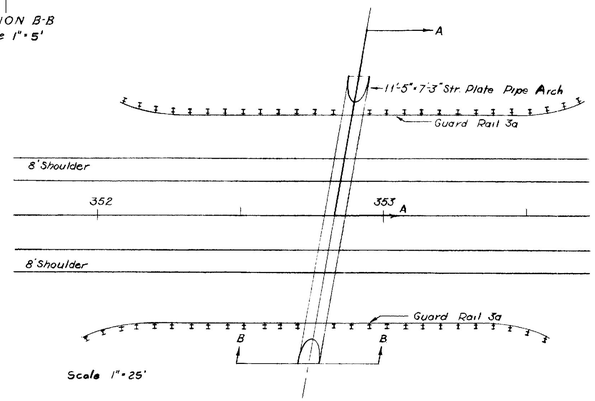
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-022-1(7)	33	102



SECTION B-B
Scale 1" = 5'



SECTION A-A
Scale 1" = 5'



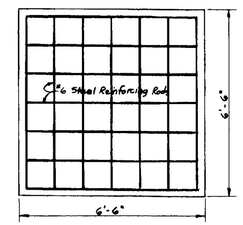
Scale 1" = 25'

GUARD RAIL LAYOUT
AROUND
STRUCTURAL PLATE PIPE ARCH
AT
STA. 352+83

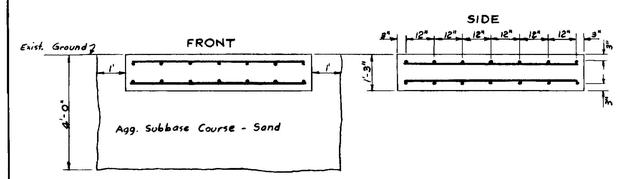
MONUMENT FOUNDATION

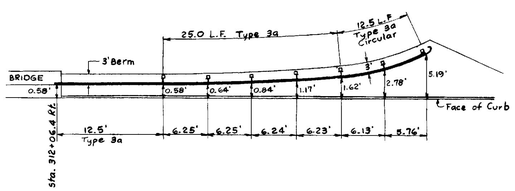
PAY ITEM 628.13
STA. 313+65

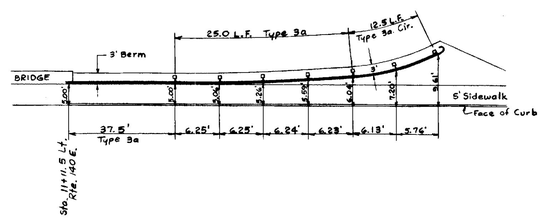
TOP

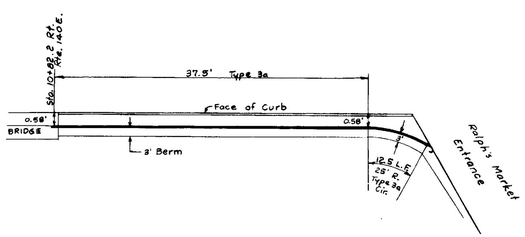


MATERIALS
Agg. Sub. Course - Sand = 8.74 c.y.
Concrete = 1.96 c.y.
Steel Reinforcing Rods = 28 ea. #6, 6'-0" long
Est. Wt. 252 lbs.





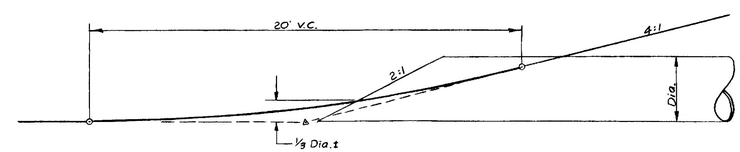


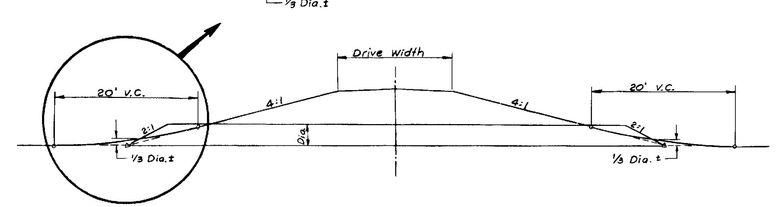


NOTES:
1. Offsets are from face of curb to face of beam.
2. Drawings are not to scale.
3. Panel adjacent to the bridges shall be installed as shown in the standard details.

GUARD RAIL LAYOUT
AROUND
STATE ROAD BRIDGE
AND
BRAGGS BRIDGE

TYPICAL DRIVEWAY CONSTRUCTION





1. Maximum length of culvert shall not exceed 90'.
2. Culvert ends shall be cut on a 2:1 slope.
3. The 4:1 inslope may change to a 2:1 slope when edge of drive butts to a guard rail section.

	BY	DATE
DESIGN - DETAILED	RAB	8-68
CHECKED	PCT	
REVISIONS		
FIELD CHANGES		

PLANS

STATE HIGHWAY COMMISSION

SPECIAL DETAILS

SHEET OF AUGUSTA, MAINE

JANUARY 1968

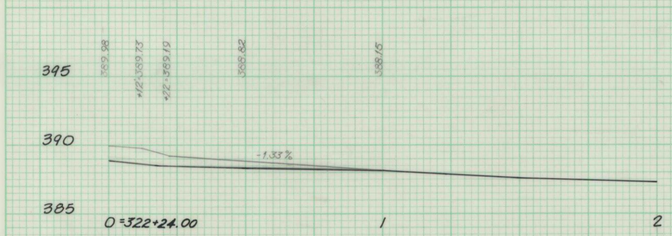
203-1 2050

B. P. R. RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-022-1(7)	34	102

HIGH STREET

GRAVEL ROAD

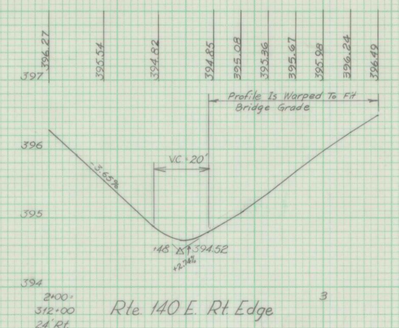
(325+25 M.L.)



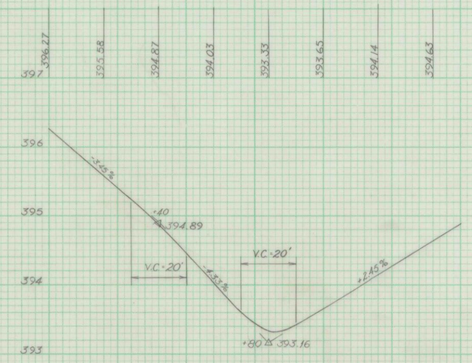
CROSS
~~YORK~~ STREET

Scale: Vert. 1" = 5'
Horiz. 1" = 25'

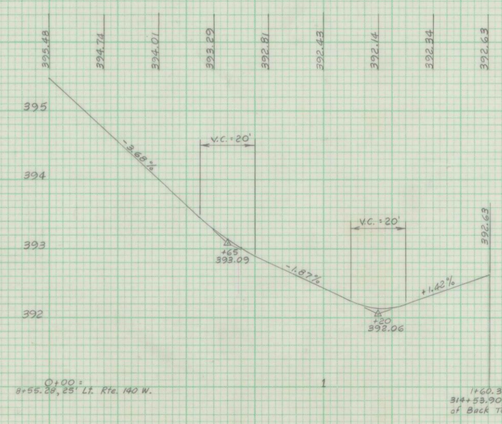
SIDE ROAD PROFILES



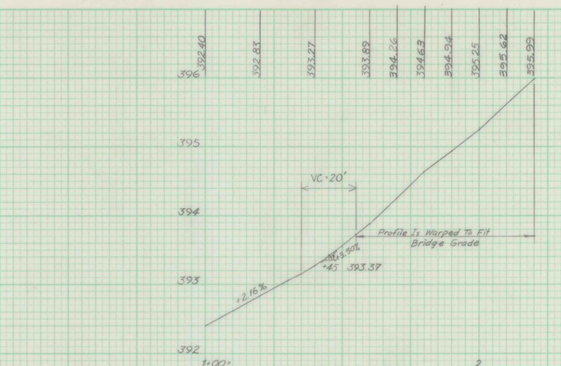
Rte. 140 E. Rt. Edge



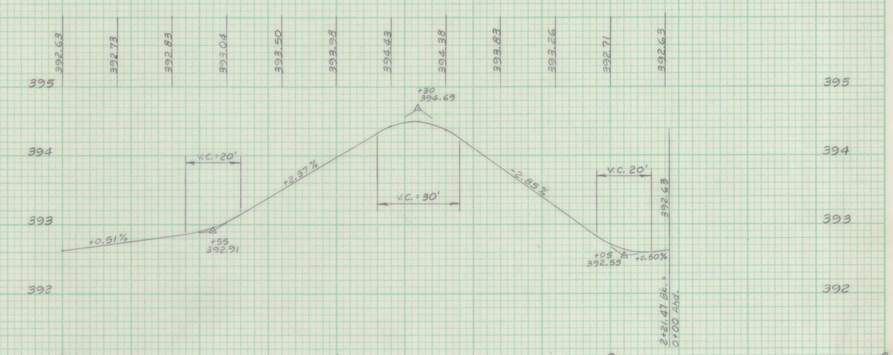
Rte. 140 W. Lt Edge



Connector Street Rt. Edge



Rte. 140 E. Lt. Edge



Island

Scale: Vert. 1" = 1'
Horiz. 1" = 25'

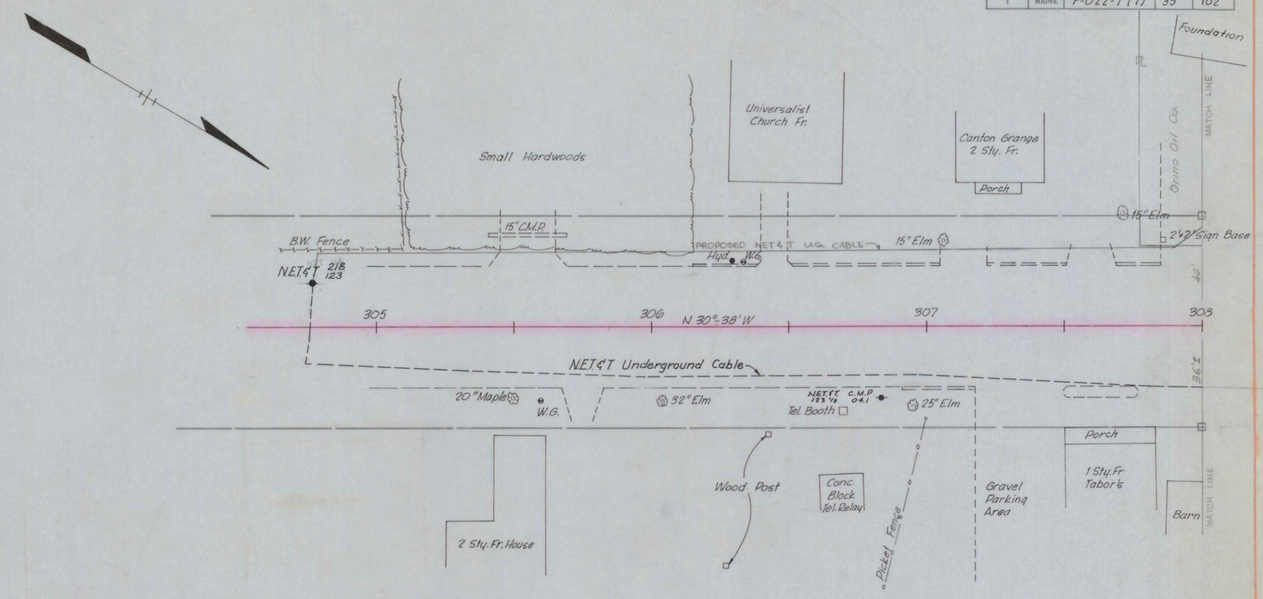
RADIUS PROFILES

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK NO. — BY — DATE

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK NO. — BY — DATE

CANTON

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-022-1 (7)	35	102



SCALE: 1"=25'

GENERAL NOTES

1.
2. All gravel drives and entrances shall be constructed of 2" Aggregate Base Course - Crushed and 12" Aggregate Subbase Course - Sand. } Show on plans as
3. All paved drives shall be constructed of 2" Hot Bituminous Pavement, 2" Aggre. Base Course - Crushed and 10" Aggre. Subbase Course - Sand. } Show on plans as
4. All entrances and driveways shall be 20' wide at the shoulder berm or curb line unless otherwise noted or directed by the Engineer.
5. Install 1'-0" sod strip behind all curb and sidewalk adjacent to earth slopes unless otherwise shown or directed by the Engineer.
6. Sod around inlets and outlets of all roadway pipes unless otherwise noted or directed by the Engineer.
7. All slopes from Sta. 309+50 Lt and Rt. to 334+00 Rt. and 338+00 Lt. shall have 4" Loam and Seeding Method No. 1. All slopes from Sta. 334+00 Rt. and 338+00 Lt. to 404+00 Lt. and Rt. shall have 2" Loam, Seeding Method No. 2, Hay Mulch and Asphalt Mulch Binder, unless otherwise noted or directed by the Engineer.
8. All proposed curb (shown ——) shall be Curb Type 3a unless otherwise noted.
9. All Curb Type 3a to be installed with Mold No. 2.
10. Reflectorize Curb Type 3a on drive locations as shown on standard details; all other Reflectorization of Curb Type 3a shall be listed on the plans or as directed by the Engineer.
11. Apply Bituminous Hand Sealing Black on Curb Type 3a and Paved Islands as directed by the Engineer.
12. All Aggregate Subbase for Foundations and Aggregate Subbase for Slope Blanket shall have the gradation for Aggregate Subbase Course - Sand.
13. All embankments on this project from subgrade to a depth of 5'-0" below subgrade shall be constructed with Moisture and Density Control (subsection 203.12). Any embankment below a depth of 5'-0" below subgrade shall be constructed by the Layer Method (subsection 203.11).
14. Testing Facilities required for this project:
    Testing Laboratory - Soils
    Testing Laboratory - Bituminous Mixes
    Testing Laboratory - Bituminous Liquids and Cements
15. Utilities Involved:
    Central Maine Power Co.
    New England Tel. and Tel. Co.
    Maine Central Railroad Co.
    Oxford County Tel. and Tel. Co.
    Canton Water District
16. All building foundations shall be removed and all foundation holes backfilled as directed by the Engineer.
17. All shimming for variable exposure of curb face and transition to bridge curb shall be incidental to item 603.32, Curb Type 3a.
18. Clearing shall be paid to the Right of Way Line or Construction Limit Line or as shown on the plans.
19. All utility plant shall be adjusted by the respective utilities unless noted
20. All Reinforced Concrete Pipes shall be Class III unless otherwise noted.
21. All areas shown by Reserve Limit Lines may not be available to the Contractor before July 1, 1969, except that the property and building listed under item no. 202.0804 shall be available to the contractor June 15, 1969.
22. UTILITIES LEGEND
    × Proposed Poles
    —— Proposed Cable
    NOTE: All work done by others
23. Q.M.L. = Quantity Match Line
    C.L.L. = Construction Limit Line
    C.P.L. = Clearing Payment Line

410 400 390

300 301 302 303 304 305 306 307 308

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED — NOTE BOOK NO. 22/11 — BY R.C.L. — DATE 11-67

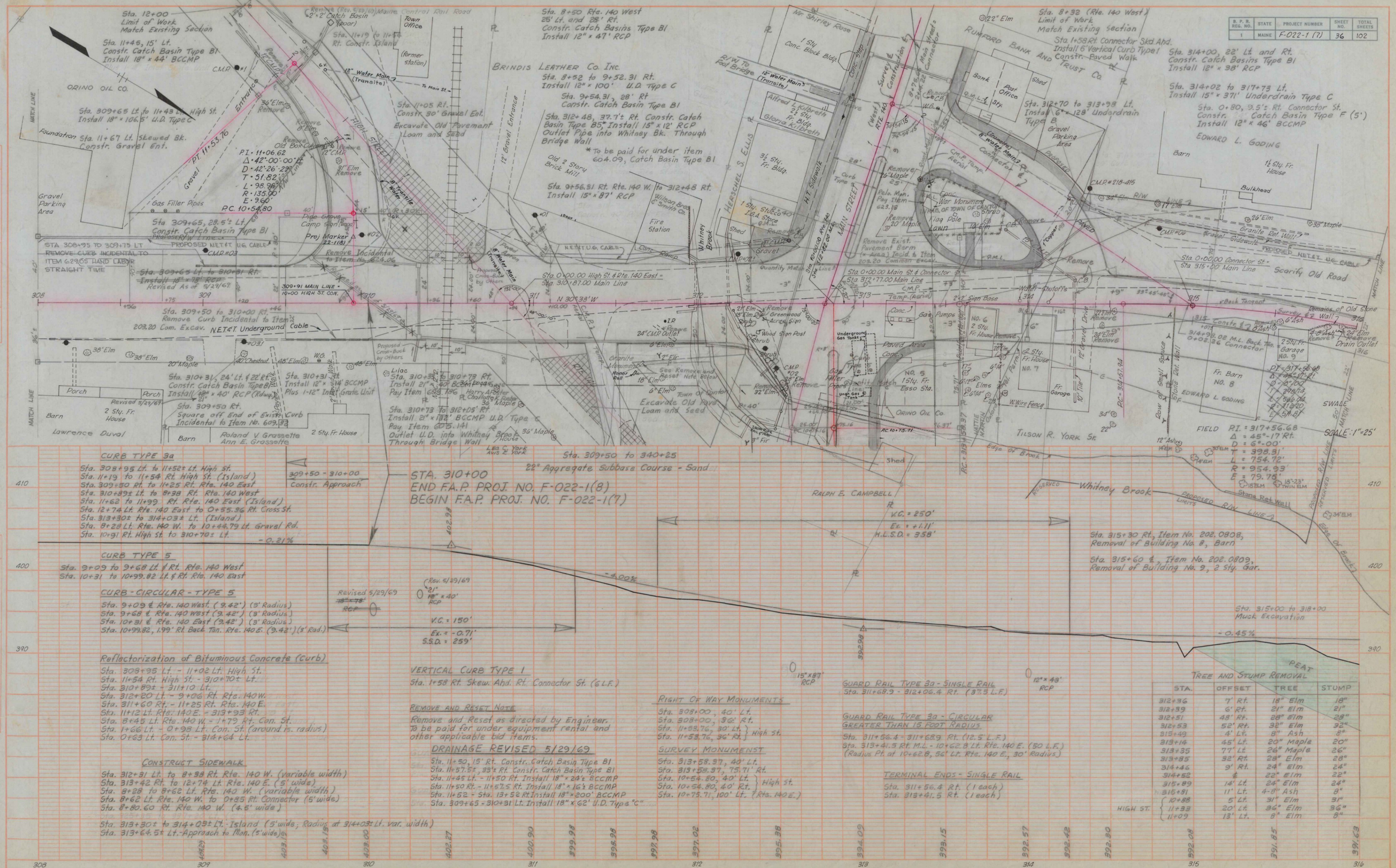
PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B. M.'s NOTED, STRUCTURE NOTATIONS CHKD. — NOTE BOOK NO. 22/12 — BY R.C.L. — DATE 11-67

PLATE 1—PLAN & PROFILE B. P. R. & R. E. STANDARD
241 C1 IMPERIAL CLOTH, PRINTED IN U.S.A.
EUGENE DIETZGEN CO., CHICAGO

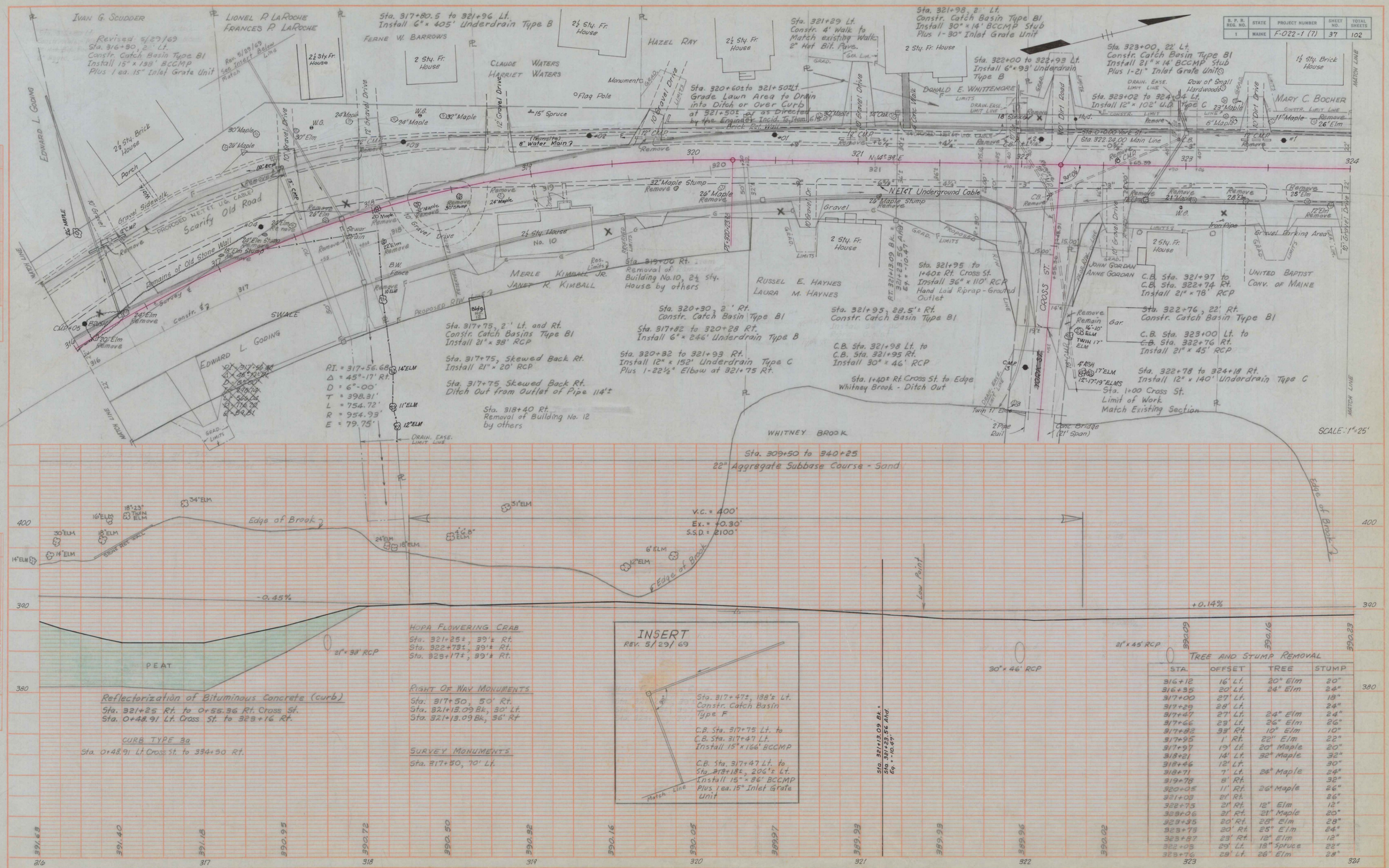
CANTON (22)

(1)

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-022-1 (7)	36	102


Sta. 12+00
Limit of Work
Match Existing Section
Sta. 11+45, 15' Lt.
Constr. Catch Basin Type B1
Install 18" x 44' BCCMP
ORINO OIL CO.
Sta. 309+65 Lt. to 11+43 Lt. High St.
Install 18" x 106.5' U.D. Type C
Foundation Sta. 11+67 Lt. Skewed Bk.
Constr. Gravel Ent.
Gravel Parking Area
Gas Filler Pipes
P.I. 11+53.76
P.I. 11+06.62
Δ 42°-00'-00" Rt.
D 42°-26'-29"
T 51.82'
L 98.96'
R 135.00'
E 9.60'
P.C. 10+54.80
Sta 309+65, 28.5' Lt.
Constr. Catch Basin Type B1
STA. 308+95 TO 309+75 LT
REMOVE CURB INCIDENTAL TO
ITEM 629.05 HAND LABOR
STRAIGHT TIME
Sta. 309+65 Lt. to 310+81 Rt.
Install 18" x 191' RCP
Revised As of 5/29/69
309+91 MAIN LINE
10+00 HIGH ST. CON.
Sta. 309+50 to 310+00 Rt.
Remove Curb Incidental to Item
203.20 Com. Excav.
N.E.T.&T. Underground Cable
Sta. 310+31½, 24' Lt. & 22' Rt.
Constr. Catch Basin Type B1
Install 24" x 40' RCP (Rdwy.)
Sta. 309+50 Rt.
Square off End of Exist. Curb
Incidental to Item No. 609.32
Sta. 310+31 Rt.
Install 12" x 44' BCCMP
Plus 1-12" Inlet Grate Unit
Lawrence Duval
Roland V Grassette
Ann E. Grassette
Town Office
(Former station)
Sta. 11+19 to 11+54
Rt. Constr. Island
Sta. 11+05 Rt.
Constr. 30' Gravel Ent.
Excavate Old Pavement
Loam and Seed
Sta. 8+50 Rte. 140 West
25' Lt. and 28' Rt.
Constr. Catch Basins Type B1
Install 12" x 47' RCP
BRINDIS LEATHER CO. INC.
Sta. 8+52 to 9+52.31 Rt.
Install 12" x 100' U.D. Type C
Sta. 9+54.31, 28' Rt
Constr. Catch Basin Type B1
Sta. 312+48, 37.7' Rt. Constr. Catch Basin Type B5, Install 15" x 12' RCP
Outlet Pipe into Whitney Bk. Through Bridge Wall
* To be paid for under item 604.09, Catch Basin Type B1
Old 2 Story Brick Mill
Sta. 9+56.51 Rt. Rte. 140 W. to 312+48 Rt.
Install 15" x 87' RCP
Fire Station
Whitney Brook
Sta. 0+00.00 High St. & Rte. 140 East =
Sta. 310+87.00 Main Line
N 30°38' W
Sta. 310+31½ Rt.
Install 12" x 44' BCCMP
Plus 1-12" Inlet Grate Unit
Sta. 310+73 to 312+05' Rt.
Install 21" x 132' BCCMP U.D. Type C
Pay Item 605.14
Outlet U.D. into Whitney Brook Through Bridge Wall
Sta. 309+50 to 340+25
22" Aggregate Subbase Course - Sand
STA. 310+00
END F.A.P. PROJ. NO. F-022-1(8)
BEGIN F.A.P. PROJ. NO. F-022-1(7)
309+50 - 310+00
Constr. Approach
Revised 5/29/69
21" x 40' RCP
V.C. = 150'
Ex. = -0.71'
S.S.D. = 259'
-4.00%
-0.21%
-0.45%
Sta. 315+30 Rt., Item No. 202.0808,
Removal of Building No. 8, Barn
Sta. 315+60 ℄, Item No. 202.0809,
Removal of Building No. 9, 2 Sty. Gar.
Sta. 315+00 to 318+00
Muck Excavation
PEAT
Sta. 8+32 (Rte. 140 West)
Limit of Work
Match Existing Section
Sta. 1+58 Rt. Connector Skd. Abd.
Install 6" Vertical Curb Type I
Constr. Paved Walk
RUMFORD BANK AND TRUST CO.
Sta. 312+70 to 313+98 Lt.
Install 6" x 128' Underdrain Type B
Gravel Parking Area
Sta. 314+00, 22' Lt. and Rt.
Constr. Catch Basins Type B1
Install 12" x 38' RCP
Sta. 314+02 to 317+73 Lt.
Install 15" x 371' Underdrain Type C
Sta. 0+80, 9.5' Rt. Connector St.
Constr. Catch Basin Type F (5')
Install 12" x 46' BCCMP
EDWARD L. GODING
Barn
1½ Sty. Fr. House
Bulkhead
Granite Ret. Wall
PROPOSED N.E.T.&T. U.G. CABLE
Sta. 0+00.00 Connector St. =
Sta. 315+00 Main Line
Scarify Old Road
Remains of Old Stone ℄ Wall
Remove Drain Outlet Pipe
Sta. 0+00.00 Main St. & Connector
Sta. 312+77.00 Main Line
Remove Exist. Pavement Berm (in Area) Incid. to Item 203.20 Common Excav.
Remove 16" Maple
Remove 20" Maple
Pole Mon. Pay Item 623.19
Remove Greenwood Arch Sign
Remove 32" Elm
Remove Shrub
Remove Wood Sign Post
Remove Granite Monument
Remove Asset Note 8(b)
Remove Shrub
Remove Fence
Remove Shed
Remove Gravel
Remove Concrete Block
Remove Concrete Block Bldg.
Remove Fence
Remove Shed
Remove Gas Pumps
Remove Paved Area
Remove Fence
Remove Shutoffs
Remove Gravel Drive
Remove Elm
Remove Drain Outlet Pipe
Remove Fence
Remove Shrub
Remove Shrub
Remove Shrub

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-022-1 (7)	37	102



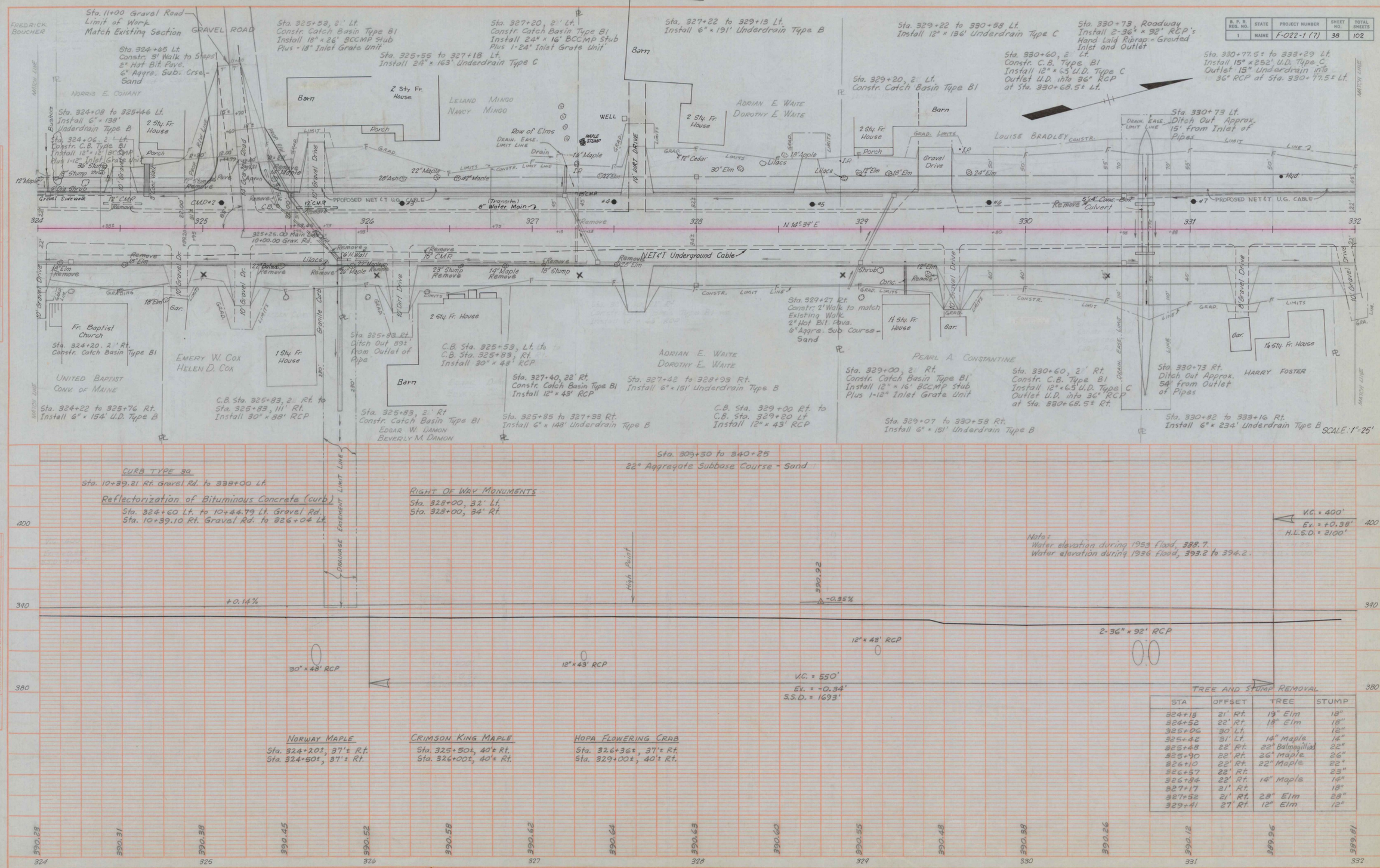
TREE AND STUMP REMOVAL

STA.	OFFSET	TREE	STUMP
316+12	16' Lt.	20" Elm	20"
316+35	20' Lt.	24" Elm	24"
317+00	27' Lt.		18"
317+29	28' Lt.		24"
317+47	27' Lt.	24" Elm	24"
317+66	23' Lt.	26" Elm	26"
317+82	33' Rt.	10" Elm	10"
317+95	1' Rt.	22" Elm	22"
317+97	19' Lt.	20" Maple	20"
318+21	14' Lt.	32" Maple	32"
318+46	12' Lt.		30"
318+71	7' Lt.	24" Maple	24"
319+78	8' Rt.		32"
320+05	11' Rt.	26" Maple	26"
321+03	21' Rt.		26"
322+75	21' Rt.	12" Elm	12"
323+06	21' Rt.	21" Maple	20"
323+35	20' Rt.	28" Elm	28"
323+73	20' Rt.	25" Elm	24"
323+87	23' Rt.	12" Elm	12"
322+03	29' Lt.	18" Spruce	22"
323+76	29' Lt.	28" Elm	29"

PLATE 1—PLAN & PROFILE

CANTON (22)

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-022-1 (7)	38	102



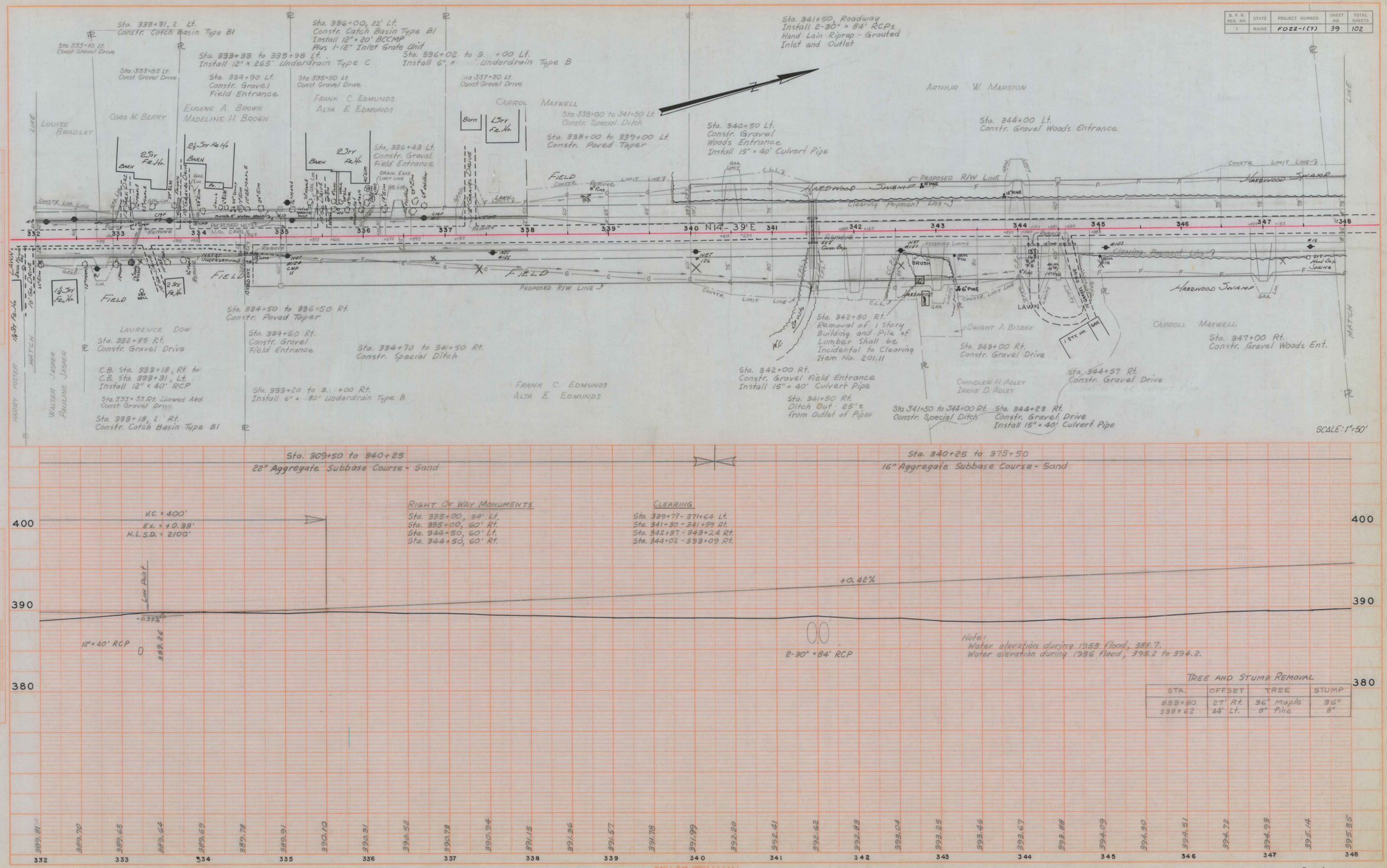
TREE AND STUMP REMOVAL

STA	OFFSET	TREE	STUMP
324+15	21' Rt.	19" Elm	18"
324+52	22' Rt.	18" Elm	18"
325+06	30' Lt.		12"
325+42	31' Lt.	14" Maple	14"
325+48	22' Rt.	22" Balmogillial	22"
325+90	22' Rt.	26" Maple	26"
326+10	22' Rt.	22" Maple	22"
326+57	22' Rt.		23"
326+84	22' Rt.	14" Maple	14"
327+17	21' Rt.		18"
327+52	21' Rt.	28" Elm	28"
329+41	27' Rt.	12" Elm	12"

PLAN	BY	DATE
SURVEYED		
PLOTTED	R.C.L.	11-87
ALIGNMENT CHECKED		
STRUCTURE CHECKED		
NOTE BOOK		
NO. 22/11		

PROFILE	BY	DATE
SURVEYED		
PLOTTED	R.C.L.	11-87
GRADES CHECKED		
R.L.S. CHECKED		
STRUCTURE NOTATIONS CHECKED		
NOTE BOOK		
NO. 22/12		

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F022-1(7)	39	102



B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F022-1(7)	40	102

Sta. 352+83, Skew 10° Ahead Lt.
Install 11'-5" Span, 7'-3" Rise, 102' Length (f.l.) Str. Plate Pipe Arch
Inlet (flow line) at Sta. 352+91.59, 48.73' Lt.
Outlet (flow line) at Sta. 352+73.88, 51.72' Rt.
Hand Laid Riprap - Grouted Inlet and Outlet
10 Gage Top; 8 Gage Bottom and Corners

Sta. 350+00 Lt.
Constr. Gravel Woods Ent.

FLORENCE CHILDS
HERMAN CHILDS

PI = 359+79.31
Δ = 17°-27' Lt.
D = 1°-00'
T = 879.31
L = 1745.00
Ex = 67.08

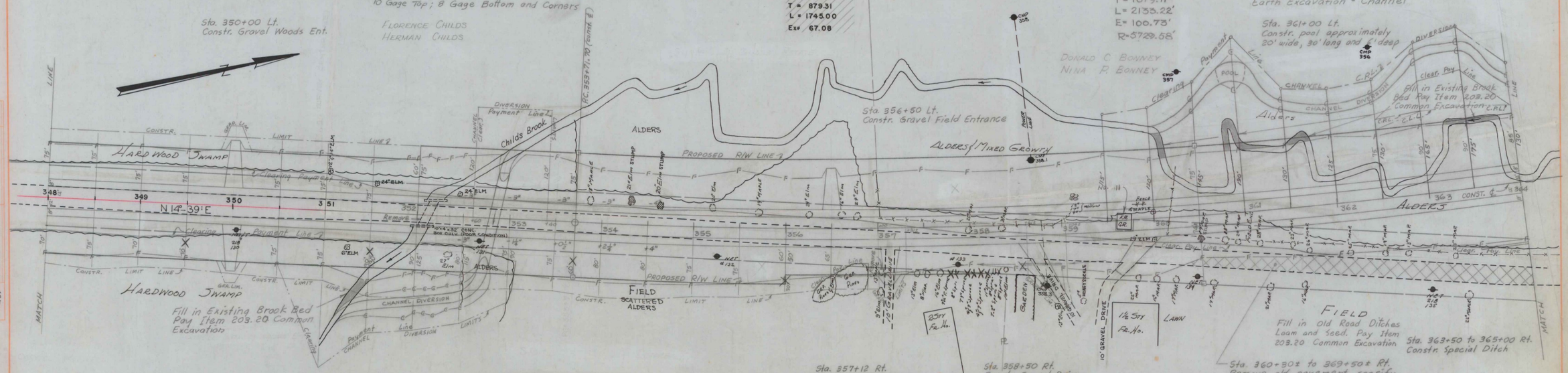
CONST. CENTERLINE
PI = 364+50.81
Δ = 21°-19'-56" Lt.
D = 1°-06'-06"
T = 1079.11'
L = 2133.22'
E = 100.73'
R = 5729.58'

Sta. 360+00± to 369+00± Lt.
Constr. Channel Diversion
Pay Item 206.12 Structural
Earth Excavation - Channel

Sta. 361+00 Lt.
Constr. pool approximately
20' wide, 30' long and 6' deep

DONALD C. BONNEY
NINA P. BONNEY

Sta. 356+50 Lt.
Constr. Gravel Field Entrance



Sta. 350+00 Rt.
Constr. Gravel Woods Ent.

Sta. 351+15± to 352+74± Rt
Constr. Channel Diversion
Pay Item 206.12 Structural
Earth Excavation - Channel

Sta. 357+12 Rt.
Constr. Gravel Drive
Install 15" x 40' Culvert Pipe

Sta. 358+50 Rt.
Constr. Gravel Drive
Install 15" x 44' Culvert Pipe

Sta. 360+08 Rt.
Constr. Gravel Drive

Sta. 360+30± to 369+50± Rt.
Remove old pavement, scarify
loam and seed.

Sta. 363+50 to 365+00 Rt.
Constr. Special Ditch

FLORENCE CHILDS
HERMAN CHILDS

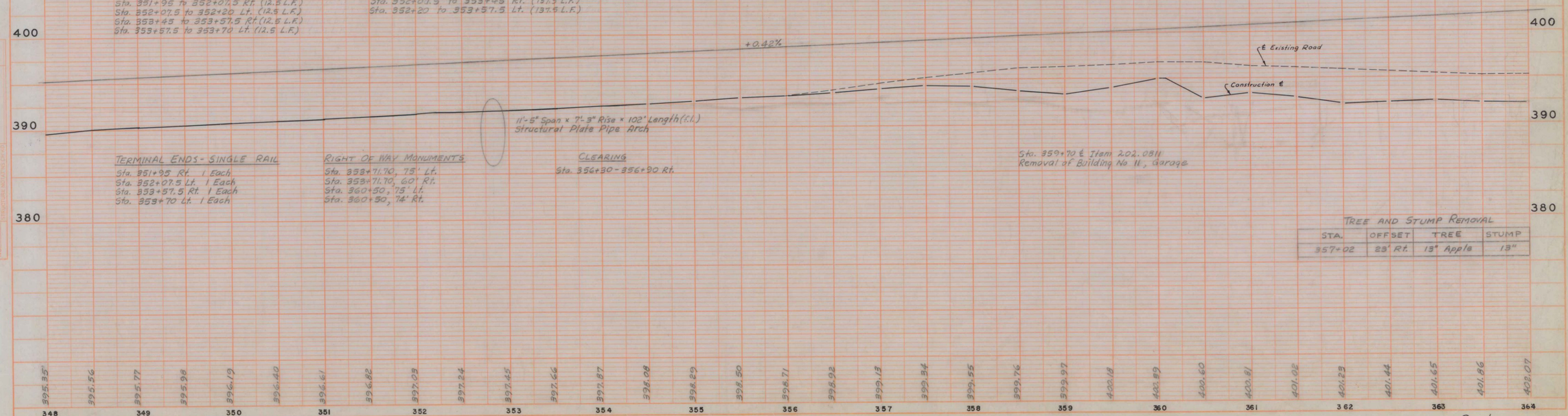
NINA P. BONNEY & DONALD C. BONNEY

SCALE: 1" = 50'

Sta. 340+25 to 375+50
16" Aggregate Subbase Course - Sand

GUARD RAIL TYPE 3a - CIRCULAR
Sta. 351+95 to 352+07.5 Rt. (12.5 L.F.)
Sta. 352+07.5 to 352+20 Lt. (12.5 L.F.)
Sta. 353+45 to 353+57.5 Rt. (12.5 L.F.)
Sta. 353+57.5 to 353+70 Lt. (12.5 L.F.)

GUARD RAIL TYPE 3a - SINGLE RAIL
Sta. 352+07.5 to 353+45 Rt. (137.5 L.F.)
Sta. 352+20 to 353+57.5 Lt. (137.5 L.F.)



TERMINAL ENDS - SINGLE RAIL
Sta. 351+95 Rt. 1 Each
Sta. 352+07.5 Lt. 1 Each
Sta. 353+57.5 Rt. 1 Each
Sta. 353+70 Lt. 1 Each

RIGHT OF WAY MONUMENTS
Sta. 353+71.70, 75' Lt.
Sta. 353+71.70, 60' Rt.
Sta. 360+50, 75' Lt.
Sta. 360+50, 74' Rt.

CLEARING
Sta. 356+30 - 356+90 Rt.

Sta. 359+70 ℄ Item 202.0811
Removal of Building No. 11, Garage

TREE AND STUMP REMOVAL

STA.	OFFSET	TREE	STUMP
357+02	23' Rt.	13" Apple	13"

PLAN — SURVEYED, PLOTTED, HORIZONTAL CHECKED, FIELD BOOK, PAGE, NO. 22/14 / 7/1/99

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, FIELD BOOK, PAGE, NO. 22/14 / 8

PLATE 1 - PLAN - PROFILE D. R. R. & E. E.
CHARLES BRUNING COMPANY, INC.

Canton (22)

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F022-1(7)	41	102

CONST. CENTER LINE
P.I. = 364+50.81
Δ = 21°-19'-56" LT.
D = 1°-00'-00"
T = 1079.11'
L = 2133.22'
E = 100.73'
R = 5729.58'

REVISED 5/29/69
Sta. 376+50 - 387+50
Bank on Super. Section
Shall Be as Shown Below

Sta. 365+00 Lt.
Constr. pool approximately 20' wide, 30' long and 6' deep.

Sta. 364+76±, Skew 23°-17' Ahead Rt.
Install 30" x 136' RCP
Outlet at Sta. 364+50, 66.00' Lt.
Inlet at Sta. 365+00, 60.48' Rt.

DONALD C. BONNEY
NINA T. BONNEY

Sta. 372+69 Skewed 6° Ahead Rt.
Install 30" x 120' RCP

Sta. 376+00 Lt.
Constr. Gravel Field Ent.

Sta. 374+50 to 380+00 Rt.
Install 12" x 550' Underdrain Type C

Sta. 377+00, 377+50, 378+00 and 378+50 Rt.
Install 4 ea. 6" x 34' Underdrain Type B
Plus 4 "Y"s (45°)
Connect Type B U.D. to Type C U.D.
at 45° Angle

Fill in Existing Brook Bed
Pay Item 203.27 Common Excavation

CHANNEL DIVERSION
POOL
CHILDS 6'-8' BROOK
ALDERS
OLD FIELD
ALDERS BUSHES & SMALL TREES
FIELD
MIXED GROWTH
2' RUN
PROPOSED R/W LINE
CONSTR. LIMIT LINE
Clearing Payment Line
Clear. Pay. Line
CONST ℄
MATCH LINE
Remove
28" x 3' x 2' Box Culv.
4' x 28' x 3' Gran. Box Culvert
Culv.
DARYL E. COX
HILDA M. COX
DONALD C. BONNEY
NINA T. BONNEY
1 STY. HOUSE
SHED
GRAD. LIMIT
GRAVEL DRIVE
GRAVEL DRIVE
Sta. 371+94 Rt.
Constr. Gravel Drive
Install 15" x 52' Culvert Pipe
Sta. 372+52 Rt.
Constr. Gravel Field Entrance
Sta. 374+09 to 374+50 Rt.
Install 12" x 62' BCCMP
Plus 1-12" 45° Elbow
Sta. 375+25 Rt.
Constr. Gravel Woods Ent.
Install 15" x 44' Culvert Pipe
STA. 377+00 Rt. CONST. SOD DOWNSPOUT
STA. 377+00 TO STA. 381+25± RT
CONST. BERM DITCH
P.I. = 381+03.72
Δ = 14°-13'
D = 1°-30'
T = 476.33
L = 947.78
CONSTR. ℄
P.I. = 382+01.65
Δ = 18°-05'-56" Rt.
D = 2°-00'-00"
T = 456.27'
L = 904.94'
E = 36.11'
R = 2864.79'
SCALE: 1"=50'

Sta. 340+25 to 375+50
16" Aggregate Subbase Course - Sand

Sta. 375+50 to 386+00
12" Aggregate Subbase Course - Sand

RIGHT OF WAY MONUMENTS
Sta. 367+50, 75' Lt.
Sta. 375+04.92, 75' Lt.
Sta. 375+04.92, 100' Rt.
Sta. 377+45.38, 75' Lt.
Sta. 377+45.38, 100' Rt.

SURVEY MONUMENTS
Sta. 367+50, 75' Rt.

CLEARING
Sta. 372+34 - 372+56 Lt.
Sta. 373+04 - 391+00 Rt.
Sta. 376+14 - 378+50 Lt.

SODDING
Sta. 372+80± to 374+09 Rt.
(Sod Toe of slope)

1" POLYSTYRENE PLASTIC INSULATION
Sta. 375+50 - 376+00 (40' wide)

1½" POLYSTYRENE PLASTIC INSULATION
Sta. 376+00 - 386+00 (40' wide)

EROSION CONTROL MESH (Heavy Duty)
Sta. 375+25 - 380+00 Rt.
Sta. 377+25 - 380+00 Lt.

V.C. = 600'
Ex. = +2.23'
H.L.S.D. = 890'

V.C. = 1200'
Ex. = -8.50'
S.S.D. = 544'

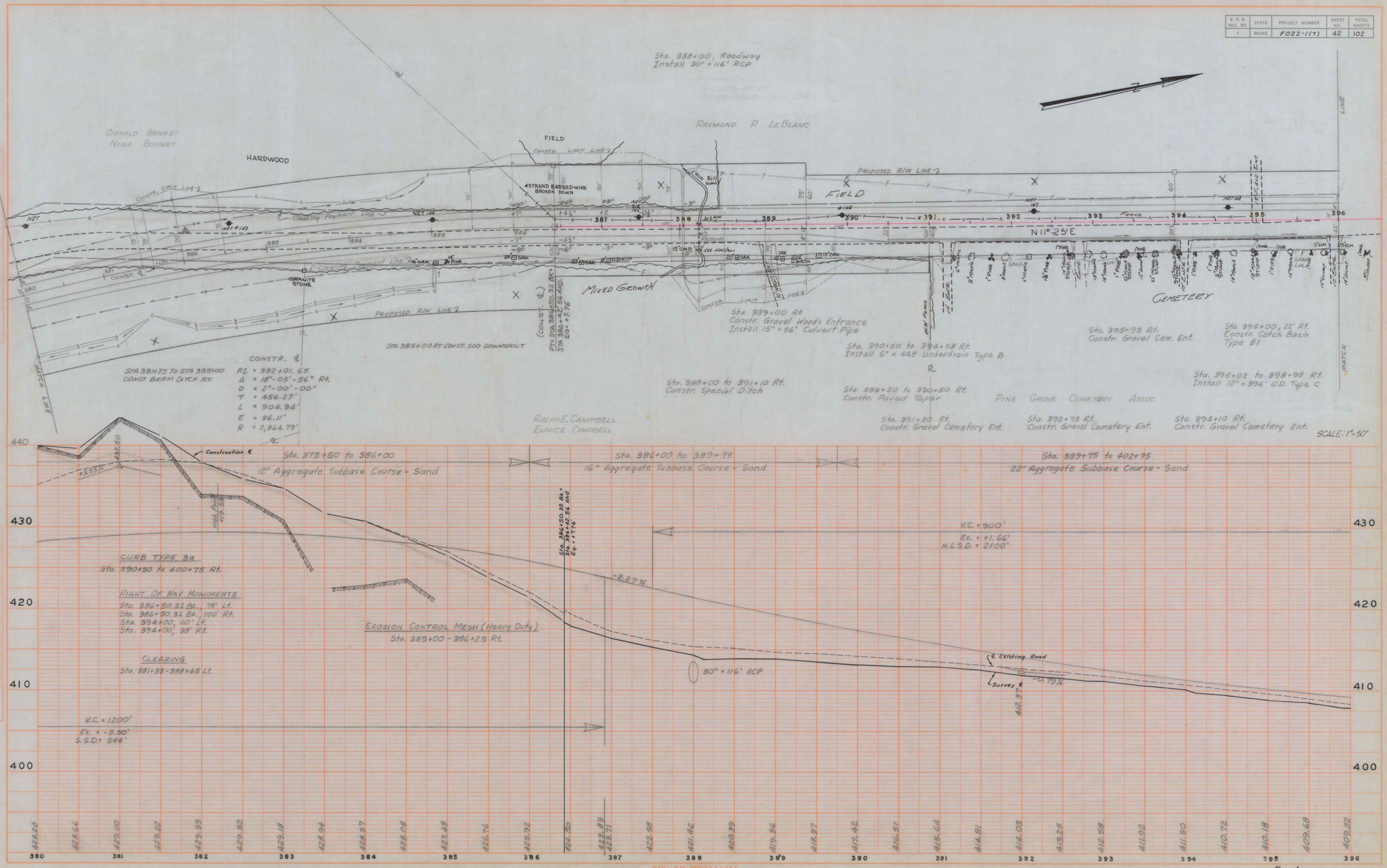
+0.42%
+3.40%
Construction ℄
℄ Existing Road
30" x 136' RCP
30" x 120' RCP
405.22

Station	Elevation
364	402.07
365	402.38
366	402.45
367	402.75
368	402.94
369	403.12
370	403.53
371	403.75
372	403.98
373	404.23
374	404.63
375	415.15
376	415.79
377	406.56
378	407.45
379	408.47
380	409.61
381	410.87
382	412.26
383	413.78
384	415.41
385	417.11
386	418.75
387	420.27
388	421.68
389	422.96
390	424.12
391	425.18
392	426.11
393	426.93
394	427.62
395	428.20

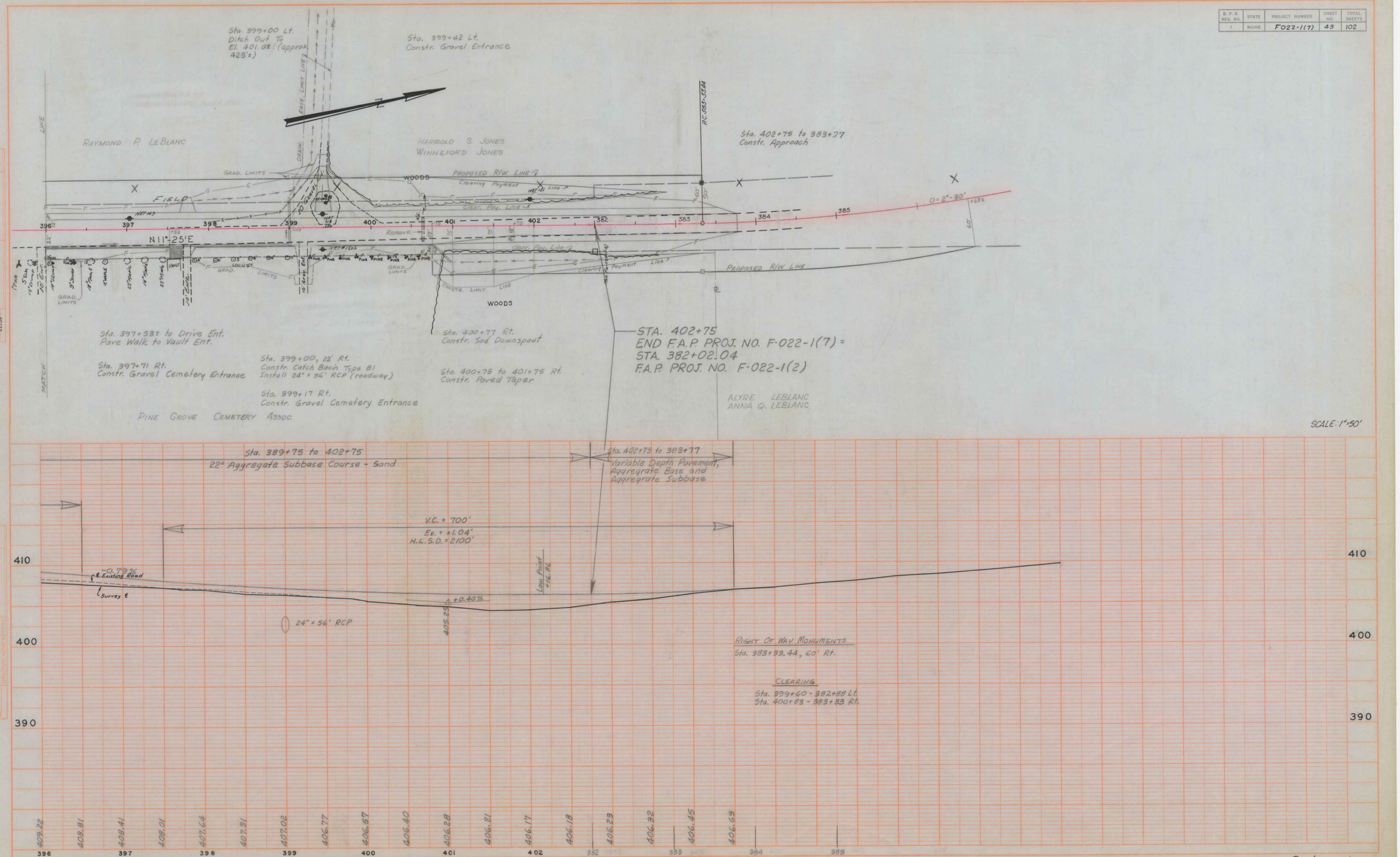
PLAN
PROFILE
PLATE 1 - PLAN - PROFILE O. P. R. R. R. V.
CHARLES BRUNING COMPANY INC.

Canton (22)

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F022-1(7)	42	102



B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F022-1(7)	43	102



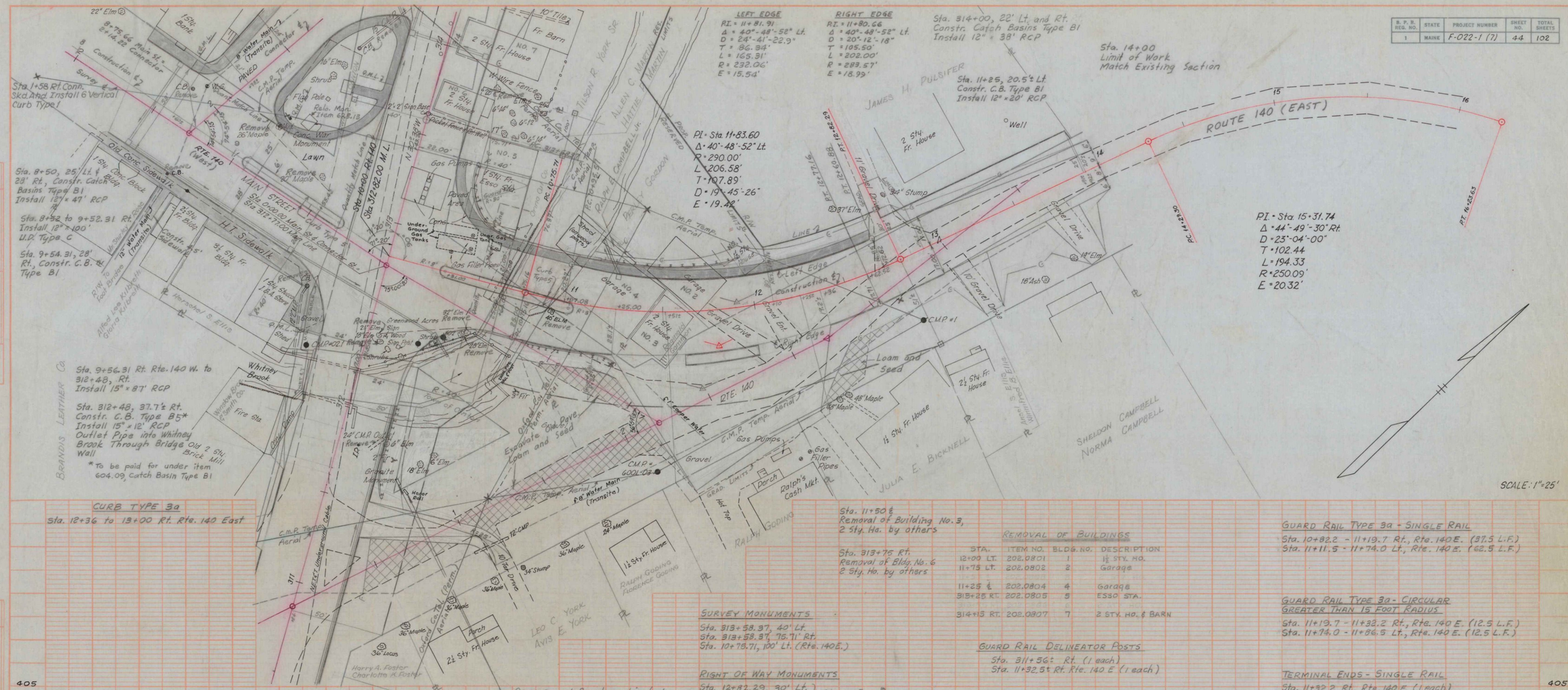
PLAN
NOTE BOOK 22/11
NO. 22/159 ℄
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE

PROFILE
NOTE BOOK 22/12 ℄
NO.
SURVEYED
PLOTTED
GRADES CHECKED
B. M.'s NOTED
STRUCTURE NOTATIONS CHECKED
BY
DATE

PLATE 1 - PLAN - PROFILE B. P. R. & R. R.
CHARLES BRUNING COMPANY, INC.

Canton (22)

S. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-022-1 (7)	44	102


LEFT EDGE
P.I. = Sta. 11+81.91
Δ = 40°-48'-52" Lt.
D = 24°-41'-22.9"
T = 86.34'
L = 165.31'
R = 232.06'
E = 15.54'
RIGHT EDGE
P.I. = 11+80.66
Δ = 40°-48'-52" Lt.
D = 20°-12'-18"
T = 105.50'
L = 202.00'
R = 283.57'
E = 18.99'
Sta. 314+00, 22' Lt. and Rt.
Constr. Catch Basins Type B1
Install 12" x 38' RCP
Sta. 14+00
Limit of Work
Match Existing Section
Sta. 11+25, 20.5' Lt.
Constr. C.B. Type B1
Install 12" x 20' RCP
Sta. 1+58 Rt. Conn.
Ska. Atlg. Install 6 Vertical
Curb Type I
Sta. 8+50, 25' Lt. & Bkp.
28' Rt., Constr. Catch
Basins Type B1
Install 12" x 47' RCP
Sta. 8+52 to 9+52.31 Rt.
Install 12" x 100'
U.D. Type C
Sta. 9+54.31, 28'
Rt., Constr. C.B.
Type B1
Sta. 9+56.31 Rt. Rte. 140 W. to
312+48, Rt.
Install 15" x 87' RCP
Sta. 312+48, 37.7' Rt.
Constr. C.B. Type B5*
Install 15" x 12' RCP
Outlet Pipe into Whitney
Brook Through Bridge Old 2 Sty.
Brick Mill
Wall
*To be paid for under item
604.09, Catch Basin Type B1
P.I. = Sta. 11+83.60
Δ = 40°-48'-52" Lt.
R = 290.00'
L = 206.58'
T = 107.89'
D = 19°-45'-26"
E = 19.48'
P.I. = Sta. 15+31.74
Δ = 44°-49'-30" Rt.
D = 23°-04'-00"
T = 102.44
L = 194.33
R = 250.09'
E = 20.32'
ROUTE 140 (EAST)
RTE. 140 (West)
MAIN STREET
Sta. 0+00.0, Main St. & Orchard St.
Sta. 311+71.00, Main Line
Sta. 16+00, Rte. 140
Sta. 312+82.00 M.L.
Old Conc. Sidewalk
H.T. Sidewalk
Granite Monument
Remove Greenwood Acres Sign
Remove Grapevine Arbor
Remove Shrubs
Remove Fence
Remove Flag Pole
Remove Lawn
Remove Maple
Remove Elm
Remove Shed
Remove Garage
Remove Gas Pumps
Remove Gas Filler Pipes
Remove Porch
Remove Hot Top
Remove Curb Types I
Remove Wire Fence
Remove Sign Base
Remove Sign Post
Remove Cong. War Monument
Remove Water Line
Remove Gravel
Remove Concrete
Remove Bldg. No. 3
Remove Bldg. No. 6
Remove Bldg. No. 4
Remove Bldg. No. 5
Remove Bldg. No. 2
Remove Bldg. No. 7
Remove Bldg. No. 1
Remove Bldg. No. 8
Remove Bldg. No. 9
Remove Bldg. No. 10
Remove Bldg. No. 11
Remove Bldg. No. 12
Remove Bldg. No. 13
Remove Bldg. No. 14
Remove Bldg. No. 15
Remove Bldg. No. 16
Remove Bldg. No. 17
Remove Bldg. No.