OREGON STATE HIGHWAY DEPARTMENT

Relocated Line

GARDINER SECTION

OREGON COAST HIGHWAY

DOUGLAS COUNTY

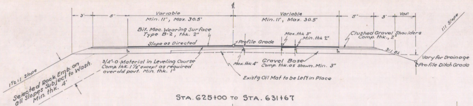
Scale 1" = 50' May, 1947

F. L. Hall Res. Engr.

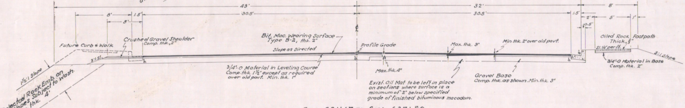
DRG. NO. 6B-25-8

Drawing No. 2050 and 2056
to accompany these plans

REGISTERED PROFESSIONAL ENGINEER
157
R H Baldock
NOV. 8, 1919
R. H. BALDOCK


3'
5'
Variable
Min. 11', Max. 30.5'
Variable
Min. 11', Max. 30.5'
5'
3'
Var.
1:1 Slope
Bit. Mac. Wearing Surface
Type B-2, thk. 2"
Slope as Directed
Profile Grade
Max. thk. 3"
Min. thk. 2"
Crushed Gravel Shoulders
Comp. thk., 2"
3:1 Sl.
Vary for Drainage
Profile Ditch Grade
3/4"-0 Material in Leveling Course
Comp. thk. 1 1/2" except as required
over old pavt. Min. thk. 1"
Max. thk. 4"
Gravel Base
Comp. thk. as shown. Min. 3"
Exist'g Oil Mat to be Left in Place
1 1/2:1 Slope
Selected Rock Emb. on
all Slopes Subject to Wash.
Min. thk. 4'

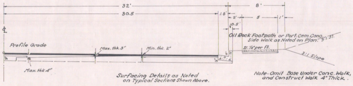
STA. 625+00 TO STA. 631+67


43'
32'
8'
8'
1.5'
30.5'
30.5'
1.5'
2'
5'
1'
5'
0.5'
Bit. Mac. Wearing Surface
Type B-2, thk. 2"
Slope as Directed
Profile Grade
Max. thk. 3"
Min. thk. 2" over old pavt.
Future Curb & Walk
Crushed Gravel Shoulder
Comp. thk., 2"
Oiled Rock Footpath
Thick., 3"
Sl. 1/4" per ft.
3:1 Slope
3/4"-0 Material in Base
Comp. thk. 2"
3:1 Sl.
1 1/2:1 Slope
Selected Rock Emb. on
all Slopes Subject to Wash.
Min. thk. 4'
3/4"-0 Material in Leveling Course
Comp. thk. 1 1/2" except as required
over old pavt. Min. thk. 1"
Max. thk. 4"
Exist. Oil Mat to be left in place
on sections where surface is a
minimum of 2" below specified
grade of finished bituminous macadam.
Gravel Base
Comp. thk. as shown. Min. thk. 3"

STA. 631+67 TO STA. 637+50

Left Side Symetrical

Note - Select Rock Emb. to be placed as shown above on all slopes subject to wash.

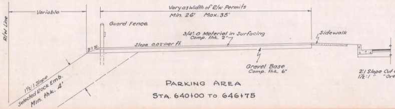

32'
8'
30.5
1.5'
2'
5
1'
0.5'
Oil Rock Footpath or Port. Cem. Conc.
Side Walk as Noted on Plan.
3:1 Sl.
Profile Grade
Max. thk. 3"
Min. thk. 2"
Sl. 1/4" per ft.
3:1 Slope
Max. thk 4"

Surfacing Details as Noted on Typical Sections Shown Above.

Note - Omit Base Under Conc. Walk, and Construct Walk 4" Thick.

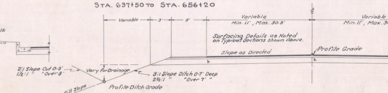
HALF SECTION

STA. 637+50 TO STA. 656+20


R/W Line
Variable
Vary as Width of R/W Permits
Min. 26' Max. 35'
Guard Fence
3/4"-0 Material in Surfacing
Comp. thk. 2"
Sidewalk
Slope 0.02' per ft.
3:1 Sl.
Gravel Base
Comp. thk. 6"
1 1/2:1 Slope
Selected Rock Emb.
Min. thk. 4'

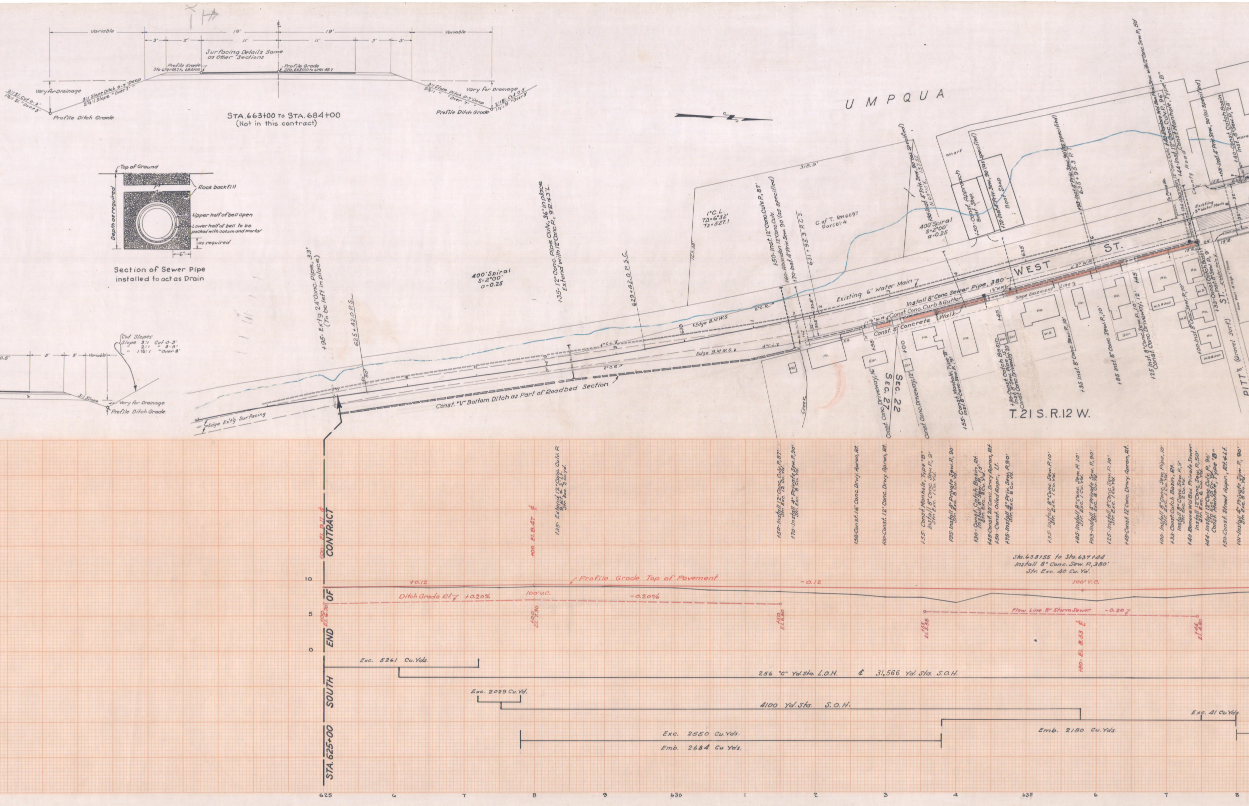
PARKING AREA

STA. 640+00 TO 646+75


Variable
3'
5'
Variable
Min. 11', Max. 30.5'
Variable
Min. 11', Max. 3
Slope as Directed
Profile Grade
2:1 Slope Cut 0-3'
1 1/2:1 " "Over 3'
Vary for Drainage
3:1 Slope Ditch 0-7' Deep
2 1/2:1 " "Over 7' "
Profile Ditch Grade
3:1 Fill Slope

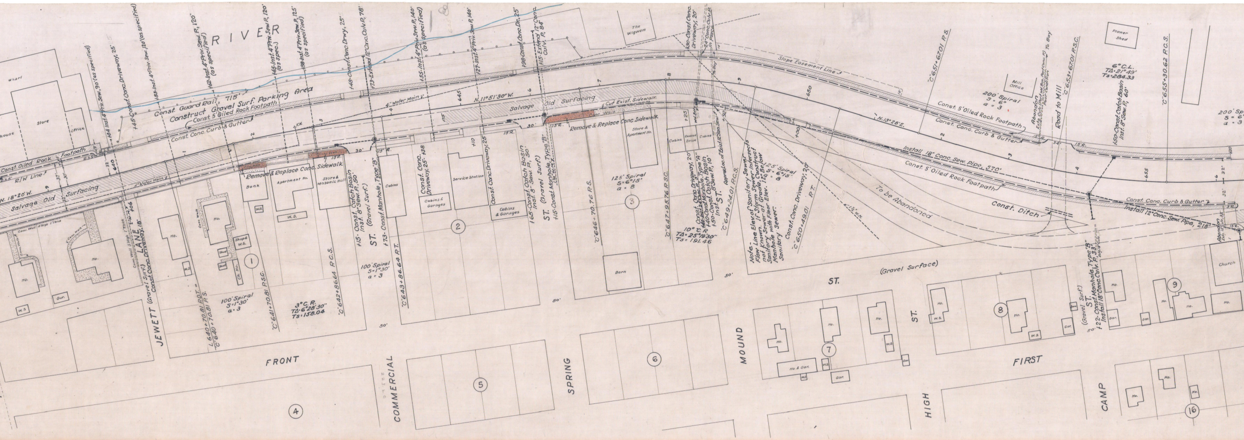
Surfacing Details as Noted on Typical Sections Shown Above.

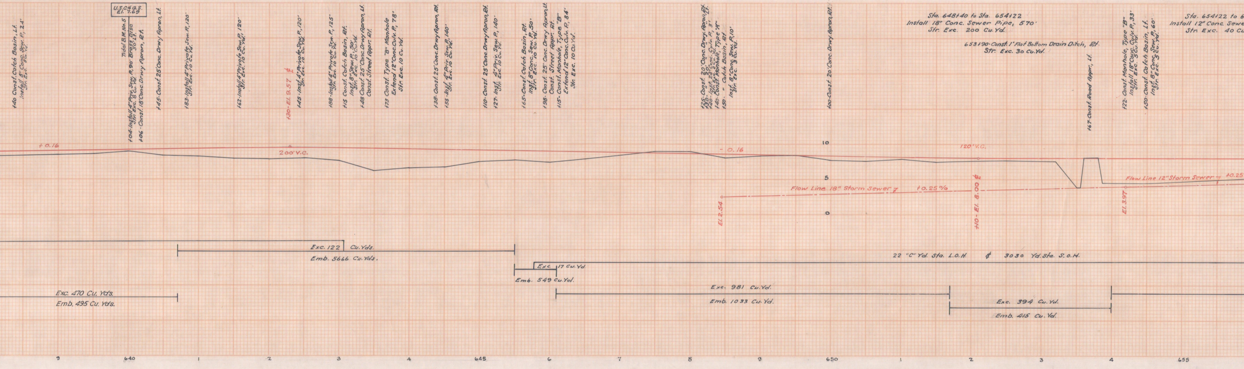
STA. 656+20 TO STA. 663+30

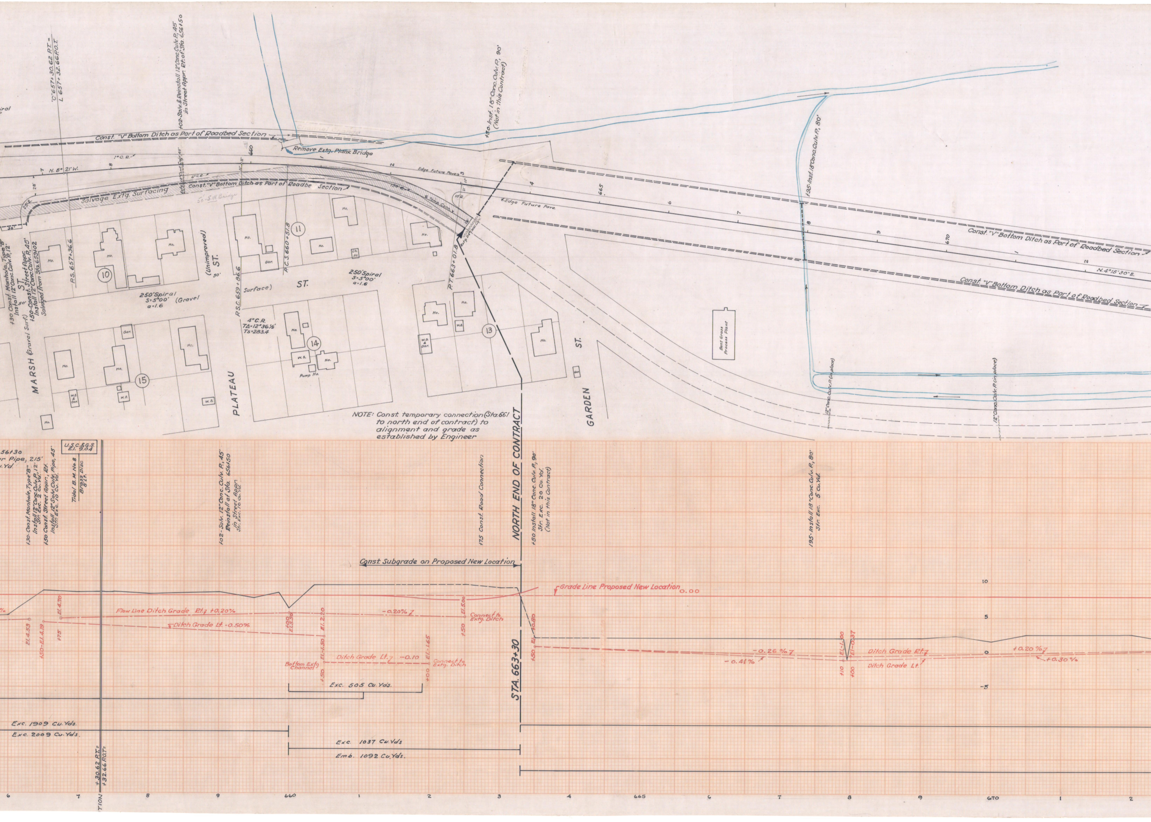

STA.663+00 to STA.684+00
(Not in this contract)

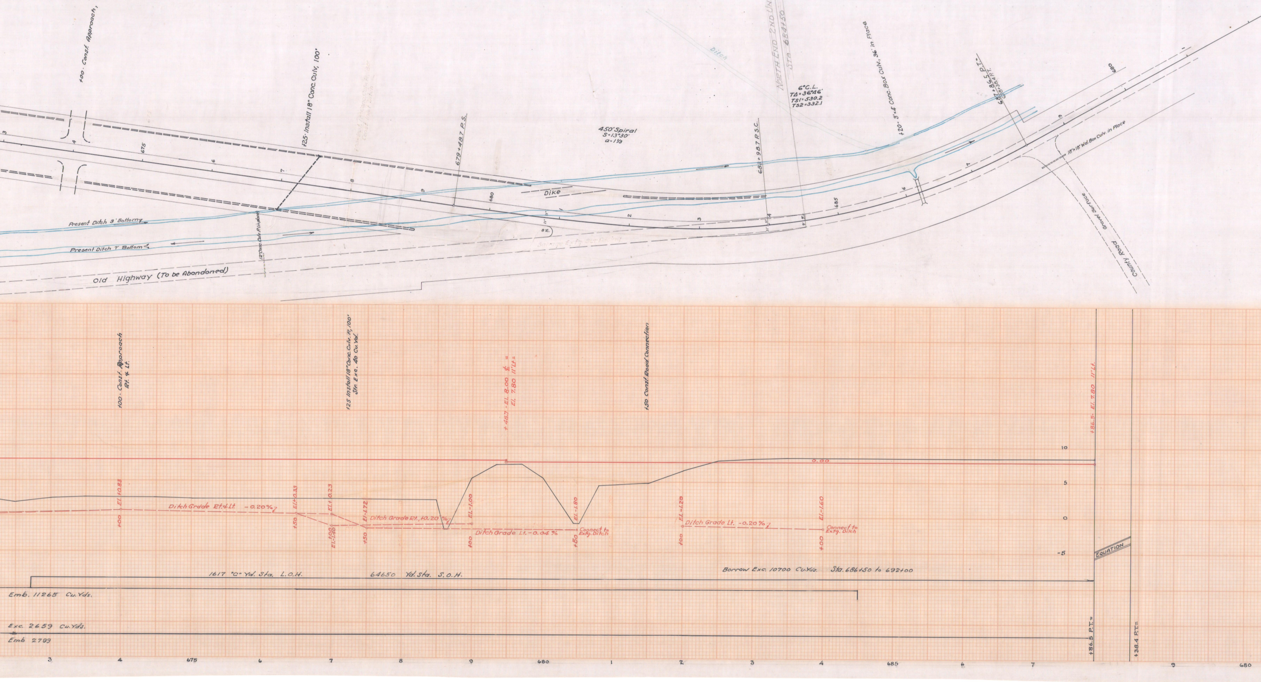
Section of Sewer Pipe installed to act as Drain

Variable
19'
3'
5'
11'
Surfacing Details Same as Other Sections
Profile Grade Sta 679+48.7 to 684+00
Profile Grade Sta. 663+00 to 679+48.7
Vary for Drainage
2:1 Sl. Cut 0-3'
1½:1 Sl. "Over 3'"
3:1 Slope Ditch 0-7' Deep
2½:1 Slope "Over 7'"
Profile Ditch Grade
Top of Ground
Rock backfill
Upper half of bell open
Lower half of bell to be packed with oakum and mortar
as required
Depth as required
6"
Cut Slopes
Slope 3:1 Cut 0-3'
" 2:1 " 3-8'
" 1½:1 "Over 8'"
3:1 Slope
Vary for Drainage
Profile Ditch Grade
UMPQUA
+95-Ex't'g 24" Conc. Pipe, 33' (To be left in place)
625+42.0 P.S.
400' Spiral S=2°00' a=0.25
+35-12" Conc. Pipe Culv. 36' in place Extend with 12" Conc. P., 9' R. & 3' L.
629+42.0 P.S.C.
1° C.L. TΔ=6°32' Ts=527.1
163.38'
318.9'
+50-Inst. 12" Conc. Culv. P. 87'
+60-Abandon 12" Conc. Culv.
+70-Inst. 4" Priv. Sew. 90' (as specified)
631+95.3 P.C.S.
C. of T. RW 6697 Parcel 4
+95-Inst. 4" Priv. Sew. 90' (as specified)
N 68°10' E. 157.32'
400' Spiral S=2°00' a=0.25
Wharf
+50-Const. Approach Boat Shop
+75-Inst. 4" Priv. Sew. 90' (as specified)
Boat Shop
+93-Inst. 4" Priv. Sew. 90' (as specified)
635+95.3 P.T.
To Pump Ho.
+34-Abandon 12" Conc. Culv. +40-Replace Wd. Box Priv. Sew. with 12" Conc. Sew. P., 50'
+44-Inst. 12" Conc. Culv. P. 96'
Const. Manhole, Type "B"
County Road
+01-Inst. 4" Priv. Sew. 90' (as specified)
+40-Const. Catch Basin Inst. 8" Sew. P. 24'
Existing 3" Water Main
Existing 6" Water Main
Install 8" Conc. Sewer Pipe, 380'
Const. Conc. Curb & Gutter
Const. 5' Concrete Walk
WEST ST.
Slope Easement Line
1½" W.M.
2" W.M.
Edge B.M.W.S.
2° C.R.
4° C.L.
Edge Ex't'g Surfacing
Const. "V" Bottom Ditch as Part of Roadbed Section
Creek
SEC. 27
SEC. 22
+58 Const. Conc. Driveway, 16'
+00 Const. Conc. Driveway, 12'
+55-Const. Manhole, Type "B" Inst. 8" Conc. Sew. P., 9'
+30-Const. Catch Basin Inst. 8" Sew. Pipe, 15' Const. Conc. Driveway, 20'
+45
+35 Inst. 8" Conc. Sew. P., 10'
+85 Inst. 8" Conc. Sew. P., 10'
+25 Inst. 8" Conc. Sew. P., 10' Const. Conc. Driveway, 12'
+45
+00-Inst. 8" Conc. Sew. P., 10'
+33-Const. Catch Basin Inst. 8" Sew. P., 9'
PITT ST. (Gravel Surf.)
Ho.
Gar.
W.S.
W.S. & Gar.
F.H.
T. 21 S. R. 12 W.
630
635
15' R.
24'
32
STA. 625+00 SOUTH END OF CONTRACT
+00-El. 9.11 ℄
+00 El. 9.47 ℄
+35-Extend 12" Conc. Culv. P. 9' Rt. & 3' Lt. Str. Exc. 2 Cu. Yd.
+50-Install 12" Conc. Culv. P. 87' Str. Exc. 12 Cu. Yd.
+70-Install 4" Private Sew. P. 90' Str. Exc. 8 Cu. Yd.
+58-Const. 16' Conc. Drwy. Apron, Rt.
+00-Const. 12' Conc. Drwy. Apron, Rt.
+55-Const. Manhole, Type "B" Install 8" Conc. Sew. P., 9' Str. Exc. 1 Cu. Yd.
+95-Install 4" Private Sew. P., 90' Str. Exc. 8 Cu. Yd.
+30-Const. Catch Basin, Rt. Install 8" Sew. P., 15' Str. Exc. 2 Cu. Yd.
+45-Const. 20' Conc. Drwy. Apron, Rt.
+50-Const. Oiled Appr., Lt.
+75-Install 4" Priv. Sew. P., 90' Str. Exc. 8 Cu. Yd.
+35-Install 8" Conc. Sew. P. 10' Str. Exc. 1 Cu. Yd.
+85-Install 8" Conc. Sew. P. 10' Str. Exc. 1 Cu. Yd.
+93-Install 4" Private Sew. P., 90' Str. Exc. 8 Cu. Yd.
+25-Install 8" Conc. Sew. P. 10' Str. Exc. 1 Cu. Yd.
+45-Const. 12' Conc. Drwy. Apron, Rt.
+00-Install 8" Conc. Sew. Pipe, 10' Str. Exc. 1 Cu. Yd.
+33-Const. Catch Basin, Rt. Install 8" Conc. Sew. P., 9' Str. Exc. 2 Cu. Yd.
+40 Remove Wd Box Private Sewer Install 12" Conc. Sew. P., 50' Str. Exc. 6 Cu. Yd.
+44-Install 12" Conc. Culv. P., 96' Str. Exc. 13 Cu. Yd. Const. Manhole, Type "B"
+50-Const. Street Appr., Rt. & Lt.
+01-Install 4" Private Sew. P., 90' Str. Exc. 8 Cu. Yd.
Sta. 633+55 to Sta. 637+44 Install 8" Conc. Sew. P., 380' Str. Exc. 40 Cu. Yd.
Profile Grade Top of Pavement
+0.12
-0.12
100' V.C.
Ditch Grade Rt. +0.20%
-0.20%
100' V.C.
+00 El. 6.70
+00 El. 7.30
+50 El. 6.60
Flow Line 8" Storm Sewer -0.20
+55 El. 5.58
+80-El. 8.53 ℄
+44 El. 4.80
10
5
0
Exc. 5261 Cu. Yds.
256 "C" Yd. Sta. L.O.H. & 31,566 Yd. Sta. S.O.H.
Exc. 2029 Cu. Yd.
4100 Yd. Sta. S.O.H.
Exc. 2550 Cu. Yds.
Emb. 2684 Cu. Yds.
Emb. 2180 Cu. Yds.
Exc. 41 Cu. Yds.
625
6
7
8
9
630
1
2
3
4
635
6
7
8


RIVER
Wharf
Store
Office
house
Const. Guard Rail, 715'
Construct Gravel Surf. Parking Area
Const. 5' Oiled Rock Footpath
Const. Conc. Curb & Gutter
Const. Oiled Rock Footpath
R/W Line
N. 18°20' W.
Salvage Old Surfacing
4" Water Main
+104 Inst. 4" Priv. Sew., 90' (as specified)
+45 Const. Conc. Driveway, 25'
183-Inst. 4" Priv. Sew. 120' (as specified)
162-Inst. 4" Priv. Sew. P., 120' (as specified)
145-Inst. 4" Priv. Sew. P., 120' (as spec.)
188-Inst. 4" Priv. Sew. P., 125' (as specified)
+48-Const. Conc. Drwy., 25'
+73-Extend 12" Conc. Culv. P., 78'
+55-Inst. 4" Priv. Sew. P., 140' (as specified)
127-Inst. 4" Priv. Sew. P., 140'
198-Const. Conc. Dr., 25'
+15-Extend 12" Conc. Culv. P., 84'
130-Const. Conc. Driveway, 20'
24" Conc. Culv. P. In Place
The Wigwam
640
645
650
655
Remove & Replace Conc. Sidewalk
Bank
Apartment Ho.
Store & Masonic Hall
Cabins
Cabins & Garages
Service Station
Store & Apartment Ho.
Cabins
Covered Drive
Cabins
Barn
Conc. Walk
Cut Exist. Sidewalk
N. 11°51'30" W.
30'
15' R.
13' R.
Conc. Wall 3' High 1' Thick
Conc. Wall 4' High 1' Thick
Conc. Walk
LANE (Gravel Surf.)
Const. Conc. Driveway, 18'
+06
JEWETT
"C" 640+70.81 P.S.
L 640+70.81 P.O.T.
"C" 641+70.81 P.S.C.
"C" 642+86.64 P.C.S.
"C" 643+86.64 P.T.
"C" 646+70.76 P.S.
"C" 647+95.76 P.S.C.
"C" 649+24.01 P.C.S.
"C" 650+49.01 P.T.
"C" 651+67.01 P.S.
"C" 653+67.01 P.S.C.
"C" 655+30.62 P.C.S.
100' Spiral S=1°30' a=3
3°C.R. TΔ=6°28'30" Ts=158.04
125' Spiral S=6°15' a=8
10° C.R. TΔ=25°19'30" Ts=191.46
200' Spiral S=6° a=3
6° C.L. TΔ=21°49' Ts=284.33
+15-Const. Catch Basin Inst. 8" Sew. P., 50'
ST. (Gravel Surf.)
+73-Const. Manhole, Type "B"
Const. Conc. Driveway, 25' +38
Const. Conc. Driveway, 25'
+65-Const. Catch Basin Inst. 8" Sew. P., 50'
ST. (Gravel Surf.)
+15-Const. Manhole, Type "B"
Const. Conc. Driveway, 20'
+40-Inst. 24" Conc. Culv. P., 3'
+40-Const. Manhole, Type "A"
+50-Const. Catch Basin Inst. 8" Sew. P., 10'
ST.
Approx. Loc. of Exist. 12" San. Sew.
Note - Line Elev. of Sanitary Sewer Flow Line Elev. of Storm Sewer Intersect not known. If Storm Sewer Construct Sanitary Sewer at Grade, 12" Below Manhole with Floor Elev. Sanitary Sewer.
Const. Conc. Driveway, 20'
Const. Street Connection
Slope Easement Line
Mill Office
Planer Shed
Abandon Exist. Culv. (Part Wd. Box, Part Conc. P.) Poor Condition
To Bay
Road to Mill
Const. 5' Oiled Rock Footpath
Const. Conc. Curb & Gutter
Install 18" Conc. Sew. Pipe, 570'
Const. 5' Oiled Rock Footpath
To be Abandoned
Const. Ditch
1½" W.M.
N. 13°28' E.
34'
+50-Const. Catch Basin Inst. 8" Sew. P., 60'
Const. Conc. Curb & Gutter
Install 12" Conc. Sew. Pipe, 215'
Abandon Exist. 12" Culv.
ST. (Gravel Surf.)
+22-Const. Manhole, Type "B"
Install 18" Conc. Culv. P., 33'
(Gravel Surface)
ST.
Church
Ho.
W.S.
Gar.
Shop & W.S.
Shed
Ch. Ho.
Ho. & Gar.
50'
FRONT
COMMERCIAL
SPRING
MOUND
HIGH
FIRST
CAMP
1
2
3
4
5
6
7
8
9
16




NOTE: Const. temporary connection (Sta. 661 to north end of contract) to alignment and grade as established by Engineer
"C" 657+30.62 P.T. = L 657+32.66 P.O.T.
+02-Salv. & Reinstall 12" Conc. Culv. P. 45' in Street Appr. Rt. of Sta. 656+50
+30-Inst. 18" Conc. Culv. P. 90' (Not in this Contract)
Const. "V" Bottom Ditch as Part of Roadbed Section
Remove Extg. Plank Bridge
1" C.R.
N. 8° 21' W.
6° C.R.
Const. "V" Bottom Ditch as Part of Roadbe Section
Salvage Extg. Surfacing
50'-S.W. Bridge
Edge Future Pave.
Temp. Conn.
10' R.
Extg. 24" Conc. Culv.
Edge Future Pave.
28'
25' R.
30'
+30 Const. Manhole, Type "B" Install 12" Conc. Culv. P. 12'
+50-Const. Street Appr. Install 12" Conc. Culv. P. 45' Salvaged from Sta. 659+02
MARSH (Gravel Surf.) ST.
50'
P.S. 657+36.6
10
Ho.
Gar.
W.S.
W.S. & Gar.
Ch. Ho.
250' Spiral
S=5°00' (Gravel
a=1.6
(Unimproved) ST.
Surface)
P.S.C. 659+86.6
P.C.S. 660+51.8
11
250' Spiral
S=5°00'
a=1.6
ST.
4° C.R.
TΔ=12°36½'
Ts=283.4
PLATEAU
14
Pump Ho.
15
P.T. 663+01.8
13
GARDEN ST.
+95-Inst. 18" Conc. Culv. P. 80'
Bent Grass Process Plant
12" Conc. Culv. P. (in place)
12" Conc. Culv. P. (in place)
Const. "V" Bottom Ditch as Part of Roadbed Section
Const. "V" Bottom Ditch as Part of Roadbed Section
N. 4° 15' 30" E.
660
665
670
56+30
er Pipe, 215'
u. Yd.
+30 Const. Manhole, Type "B" Install 12" Conc. Culv. P. 12' Str. Exc. 2 Cu. Yd.
+50 Const. Street Appr., Rt. Install 12" Salv. Culv. Pipe, 45' Str. Exc. 10 Cu. Yd.
U.S.C.&G.S. El. 9.04
Tidal B.M. No. 8 Brass Disc 8' Lt.
+02-Salv. 12" Conc. Culv. P. 45' Reinstall at Sta. 656+50 in Street Appr. Str. Exc. 10 Cu. Yd.
+75 Const. Road Connection
NORTH END OF CONTRACT
+50 Install 18" Conc. Culv. P. 90' Str. Exc. 20 Cu. Yd. (Not in this Contract)
195-Install 18" Conc. Culv. P. 80' Str. Exc. 5 Cu. Yd.
Const. Subgrade on Proposed New Location
Grade Line Proposed New Location 0.00
Flow Line Ditch Grade Rt. +0.20%
Ditch Grade Lt. -0.50%
-0.20%
El. 4.53
+50-El. 4.19
+75
El. 4.70
+00 El. 3.50
+50 El. 2.20
El. -1.50
+50 El. 5.00
Connect to Extg. Ditch
Bottom Extg. Channel
Ditch Grade Lt. -0.10
+00 El. -1.65
Connect to Extg. Ditch
Exc. 505 Cu. Yds.
STA. 663+30
+50 El. +0.80
-0.26%
-0.41%
+10 El. -1.00
+00 El. -0.37
Ditch Grade Rt.
Ditch Grade Lt.
+0.20%
+0.30%
10
5
0
-5
Exc. 1909 Cu. Yds.
Exc. 2009 Cu. Yds.
Exc. 1037 Cu. Yds.
Emb. 1092 Cu. Yds.
+30.62 P.T. = +32.66 P.O.T.
6
7
8
9
660
1
2
3
4
665
6
7
8
9
670
1
2
TION


+00 Const. Approach, Rt. & Lt.
+25 Install 18" Conc. Culv, 100'
679+48.7 P.S.
450' Spiral
S=13°30'
a=1⅓
Ditch
NORTH END 2ND UNIT
STA 684+50
6° C.L.
TΔ=36°46'
TS1=530.2
TS2=332.1
683+98.7 P.S.C.
+20- 3'×4' Conc. Box Culv, 36' in Place
687+86.5 P.T.=
688+38.4 P.T.
18"×18" Wd. Box Culv. in Place
Gravel Surface
County Road
Dike
Present Ditch 3' Bottom
Present Ditch 7' Bottom
12" Conc. Culv. P. in place
8'R.
Old Highway (To be Abandoned)
3
4
675
6
7
8
9
680
1
2
3
4
685
6
7
9
680
+00 - Const. Approach Rt. & Lt.
+25 Install 18" Conc. Culv. P., 100'
Str. Exc. 40 Cu. Yd.
+48.7 - El. 8.00 ℄ =
El. 7.80 11' Lt. =
+50 Const. Road Connection
+86.5 - El. 7.80 11' Lt.
10
5
0
-5
0.00
Ditch Grade Rt. & Lt. -0.20%
El. +0.83
+00
El. +0.33
+50
El. + 0.23
+00
El. -1.40
El. -1.72
+50
Ditch Grade Rt., +0.20%
Ditch Grade Lt. -0.04%
El. -1.00
+00
El. -1.80
+50
Connect to Extg. Ditch
El. -1.20
+00
Ditch Grade Lt. -0.20%
El. -1.60
+00
Connect to Extg. Ditch
EQUATION
1617 "C" Yd. Sta. L.O.H.
64650 Yd. Sta. S.O.H.
Borrow Exc. 10700 Cu. Yds. Sta. 686+50 to 692+00
Emb. 11265 Cu. Yds.
Exc. 2659 Cu. Yds.
Emb 2799
+86.5 P.T.=
+38.4 P.T.=
3
4
675
6
7
8
9
680
1
2
3
4
685
6
7
9
680

SUMMARY

STA. 625+00 TO 663+30

Length of Project 0.724 Miles

ITEM	UNIT	NET QUANTITY	ALLOWANCE	TOTAL
Clearing & Grubbing	All	All		All
Removal of Concrete Walks	Sq. Yd.	170	10	180
Structural Excavation, Unclassified	Cu. "	544	56	600
General Excavation, Unclassified, Sta. 625+00 to 631+00	" "	9,766	934	10,700
" " , " , " 631+00 " 663+30	" "	5,550	550	6,100
Short Overhaul	Yd. Sta.	38,696	4,304	43,000
Long "	"C" Yd. Sta.	278	22	300
Finishing Roadbed & Slopes	Mile	0.72		0.72
Rounding Cutbanks	Lin. Ft.	600	60	660
12 inch Conc. Pipe	" "	369	31	400
18 " " "	" "	33	7	40
24 " " "	" "	3	3	6
4 " Sewer Pipe	" "	1,305	135	1,440
8 " " "	" "	647	53	700
12 " " "	" "	265	35	300
18" " " "	" "	570	30	600
Salvaging Culvert Pipe	" "	45	5	50
Type "A" Manholes	One	1	1	2
" "B" "	"	6	1	7
Concrete Catch Basins	"	7	1	8
Concrete Curbs & Gutter	Cu. Yd.	226	24	250
Concrete Driveways	Sq. Yd.	342	28	370
Concrete Walks	" "	375	25	400
Spring Bracket Guard Rail with Wood Posts	Lin. Ft.	715	15	730
Salvaging Surfacing Materials	Cu. Yd.	533	67	600
2"-0" Material in Base	" "	7,456	744	8,200
¾"-0" " " Leveling Course & Shoulders	" "	1,821	79	1,900
Sprinkling	M-Gal.	230	20	250
Preparation of Base	Mile	0.72		0.72
Furnishing & Placing Aggregates	Cu. Yd.	1,787	113	1,900
" " " RC-3 Asphalt in Binder Course	Ton	33	3	36
" " " 121-150 Asphalt	"	115	15	130
Furnishing & Placing RC-3 or Emuls. Asphalt in Seal Coat	"	22	2	24

GARDINER SECTION
OREGON COAST HIGHWAY
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Drg. No. GB-25-8