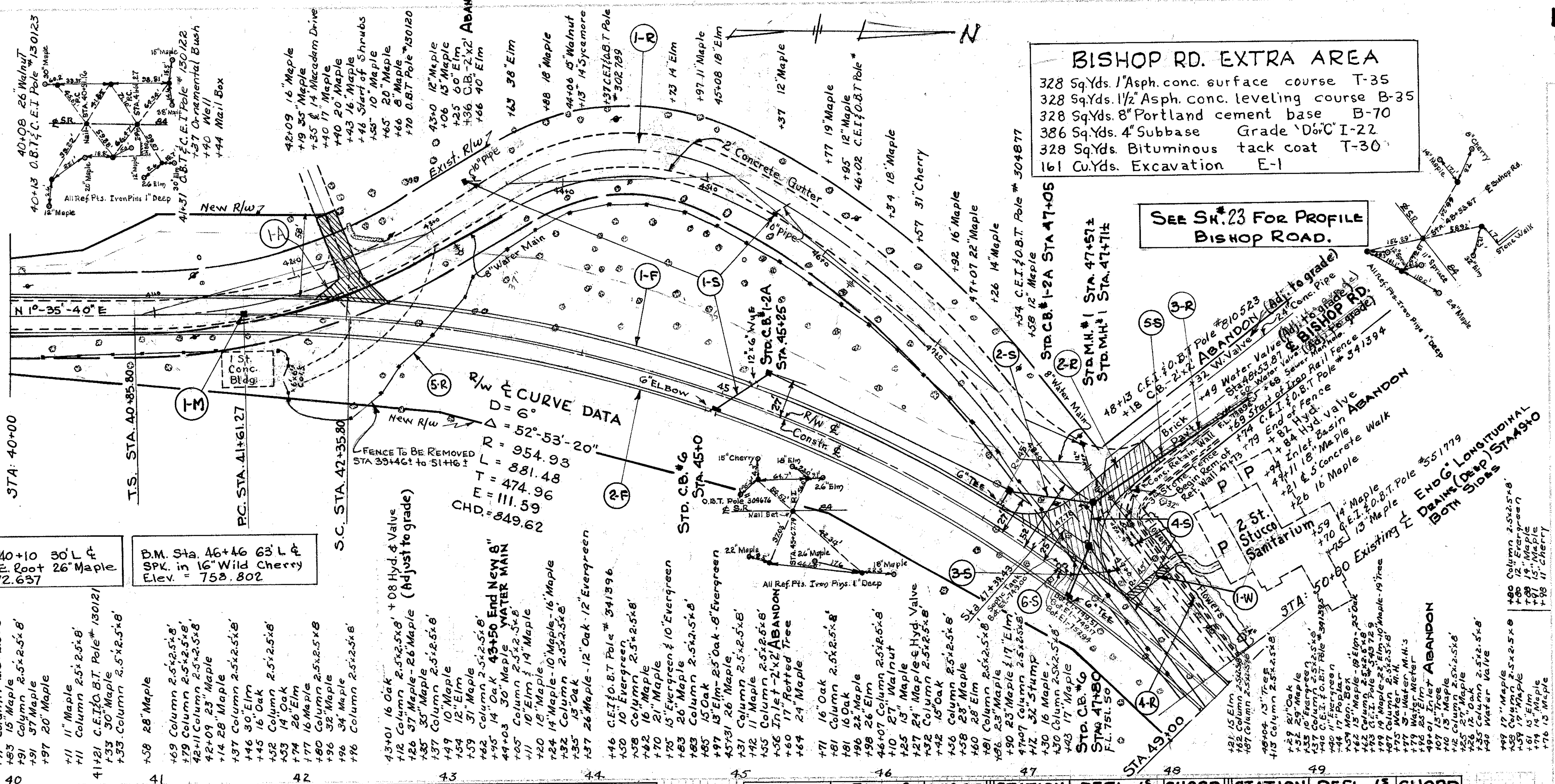
BISHOP RD. EXTRA AREA

Quantity	Unit	Item	Code
328	Sq.Yds.	1" Asph. conc. surface course	T-35
328	Sq.Yds.	1½" Asph. conc. leveling course	B-35
328	Sq.Yds.	8" Portland cement base	B-70
386	Sq.Yds.	4" Subbase Grade 'D' or 'C'	I-22
328	Sq.Yds.	Bituminous tack coat	T-30
161	Cu.Yds.	Excavation	E-1

See Sh.# 23 For Profile Bishop Road.



SPIRAL CURVE DATA

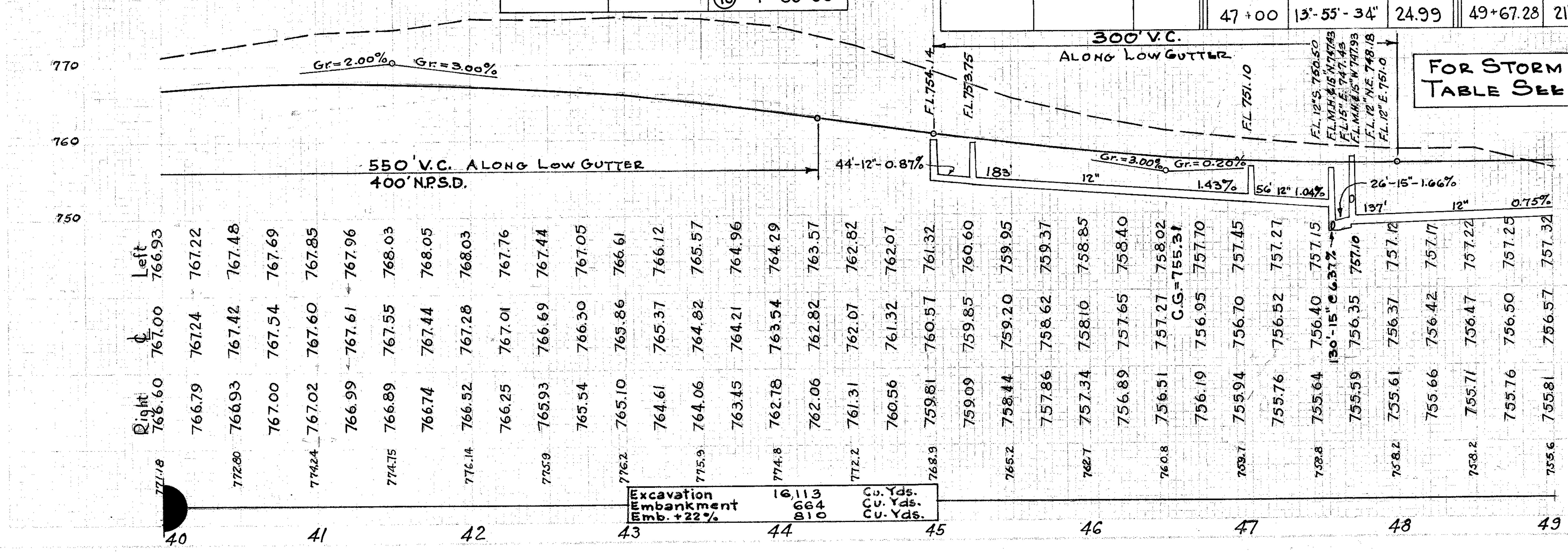
θ_s = 4°-30'	L_s = 150.00	(1)	0°-00'-48"
Δ = 52°-53'-20"	p = 0.98	(2)	0°-03'-36"
Δ_c = 43°-53'-20"	k = 74.98	(3)	0°-08'-12"
D_c = 6°	T_s = 550.43	(4)	0°-14'-24"
X_c = 149.91	E_s = 112.69	(5)	0°-22'-36"
Y_c = 3.93	R_c = 954.93	(6)	0°-32'-24"
L.T. = 100.03	T_c = 384.74	(7)	0°-44'-12"
S.T. = 50.03	L_c = 731.48	(8)	0°-57'-36"
L.C. = 149.96	CHD_c = 713.73	(9)	1°-13'-00"
		(10)	1°-30'-00"

STATION	DEFL. ∠s	CHORD	STATION	DEFL. ∠s	CHORD	STATION	DEFL. ∠s	CHORD
42+35.80	0°-00'-00"	0.0	44+50	6°-25'-34"	24.99	47+25	14°-40'-34"	24.99
42+50	0°-25'-34"	14.20	44+75	7°-10'-34"		47+50	15°-25'-34"	
42+75	1°-10'-34"	24.99	45+00	7°-55'-34"		47+75	16°-10'-34"	
43+00	1°-55'-34"		45+25	8°-40'-34"		48+00	16°-55'-34"	
43+25	2°-40'-34"		45+50	9°-25'-34"		48+25	17°-40'-34"	
43+50	3°-25'-34"		45+75	10°-10'-34"		48+50	18°-25'-34"	
43+75	4°-10'-34"		46+00	10°-55'-34"		48+75	19°-10'-34"	
44+00	4°-55'-34"		46+25	11°-40'-34"		49+00	19°-55'-34"	
44+25	5°-40'-34"	24.99	46+50	12°-25'-34"		49+25	20°-40'-34"	
			46+75	13°-10'-34"		49+50	21°-25'-34"	24.99
			47+00	13°-55'-34"	24.99	49+67.28	21°-56'-40"	17.28

WATER

Adjust Valve boxes to grade	4 Each
Raise 4" Hydrant Br. with offset	1 Each
Install 8" Water Main	356 Lin. Ft.
Install 8"-45° Ell	2 Each

For Storm Sewer Table See Sh.# 14



Station	Left	℄	Right	
40+00	766.93	767.00	766.60	771.18
	767.22	767.24	766.79	
	767.48	767.42	766.93	772.80
	767.69	767.54	767.00	
41+00	767.85	767.60	767.02	774.24
	767.96	767.61	766.99	
	768.03	767.55	766.89	774.75
	768.05	767.44	766.74	
42+00	768.03	767.28	766.52	776.14
	767.76	767.01	766.25	
	767.44	766.69	765.93	775.9
	767.05	766.30	765.54	
43+00	766.61	765.86	765.10	776.2
	766.12	765.37	764.61	
	765.57	764.82	764.06	775.9
	764.96	764.21	763.45	
44+00	764.29	763.54	762.78	774.8
	763.57	762.82	762.06	
	762.82	762.07	761.31	772.2
	762.07	761.32	760.56	
45+00	761.32	760.57	759.81	768.9
	760.60	759.85	759.09	
	759.95	759.20	758.44	765.2
	759.37	758.62	757.86	
46+00	758.85	758.10	757.34	762.7
	758.40	757.65	756.89	
	758.02	757.27	756.51	760.8
	757.70	756.95	756.19	
47+00	757.45	756.70	755.94	759.7
	757.27	756.52	755.76	
	757.15	756.40	755.64	758.8
	757.10	756.35	755.59	
48+00	757.12	756.37	755.61	758.2
	757.17	756.42	755.66	
	757.22	756.47	755.71	758.2
	757.25	756.50	755.76	
49+00	757.32	756.57	755.81	755.6

ESTIMATED QUANTITIES

Ref. No.	Station to Station	Side	T-35 For Drives 2" Cu. Yds.	B-119 For Drives 5" Cu. Yds.	E-1 Excavation Cu. Yds.	E-8 Removal & Disposal Exist. Pavement Sq. Yds	I-13 4" Concrete Sidewalk Sq. Ft.	S-24 Removal of Exist. Struct. Lump Sum	B-70 8" Concr. Base Course Sq. Yds.	I-4 Lin. Ft. 6" Longitudinal Drains (Deep)	I-5 Each 6" Pipe Specials Elb.	I-5 Each 6" Pipe Specials Tee	I-4 Lin. Ft. 6" Outlets For Underdrains	I-22 4" Subbase Cu. Yds.	I-8 Standard Monument Box Assembly Each
	DRIVEWAYS														
1-A	42+35	L	7	18	25										
1-R	40+00 to 49+00					2223									
2-R	Bishop Road					372									
3-R	Sewer Trench-Bishop Rd.					45			45					4	
	Conc. Ret. Wall Removal														
4-R	47+73± to 49+00	L						Lump Sum							
	Fence Removal														
5-R	40+00 to 49+00	L&R						Lump Sum							
6-R	47+63± (Removal of 4 Septic Tanks)							Lump Sum							
	Pipe Underdrains														
1-F	40+0 To 49+0	L								894		1	10		
2-F	40+0 To 49+0	R								896	1	1			
	Sidewalk														
1-W	48+11	L					175								
1-M	P.C. 41+61.27														1
			7	18	25	2640	175	Lump Sum	45	1790	1	2	10	4	1

PLAN ℄ PROFILE STA. 40+00 to STA. 49+00