



PROPOSED TYPICAL SECTION
WITH PIPE UNDERDRAIN, 4" AND POROUS
GRANULAR EMBANKMENT, SUBGRADE 12"

PROPOSED LEGEND

- Ⓐ EXISTING GROUND LINE
- Ⓑ PROPOSED P.C.C. PAVEMENT 10.25: (JOINTED)
- Ⓒ PROPOSED AGGREGATE SUBGRADE, 12"
- Ⓓ PROPOSED POROUS GRANULAR EMBANKMENT, SUBGRADE, 12" (LOCATIONS VARY)

NOTES:

- ① THE UNDERDRAIN SHALL BE PLACED OUTSIDE OF STORM SEWER TRENCHES.
- ② UNDERDRAINS SHALL BE CONSTRUCTED ON A SLOPE PARALLEL TO THE PAVEMENT SLOPE.
- ③ UNDERDRAIN SHALL BE PLACED AT A MINIMUM DEPTH OF 30", WITHIN THE LIMITS OF THE AGGREGATE SUBGRADE, 12" AND ANY UNDERCUT AREAS REPLACED WITH POROUS GRANULAR EMBANKMENT, SUBGRADE 12".
- ④ COST OF CONNECTING UNDERDRAIN TO STRUCTURES SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAIN, 4".

Station	Outlet	4" Pipe Underdrain	4" Pipe Underdrain (Special)	Concrete Headwalls For Pipe Drains	Trench Backfill
		(ft)	(ft)	Each	(cyd)
Lake St					
356+70 Lt	Structure	26	0	0	2.6
356+70 Rt	Structure	26	0	0	2.6
360+70 Lt	Ditch	30	18	1	3
360+70 Rt	Structure	26	0	0	2.6
363+50 Lt	Ditch	30	18	1	3
363+50 Rt	Structure	45	0	0	4.5
367+00 Lt	Ditch	45	15	1	4.5
367+00 Rt	Structure	40	0	0	4
370+00 Lt	Ditch	50	15	1	5
370+00 Rt	Structure	25	0	0	2.5
373+00 Lt	Ditch	46	20	1	4.6
373+00 Rt	Structure	28	0	0	2.8
380+00 Lt	Ditch	45	20	1	4.5
380+00 Rt	Structure	30	0	0	3
383+00 Lt	Ditch	72	24	1	7.2
383+00 Rt	Structure	32	0	0	3.2
Ramp E					
4+00 to 7+00 Rt	Ditch	300	14	1	30
5+00 to 7+00 Lt	Ditch	200	16	1	20
7+00 to 10+00 Lt	Ditch	300	30	1	30
7+00 to 10+00 Rt	Ditch	300	15	1	30
Ramp F					
3+00 to 6+40 Lt	Ditch Rt.	340	0	0	34
3+00 to 6+40 Rt	Ditch	340	0	0	34
6+40 Lt	N/A	30	0	0	3
6+40 Rt	Ditch	0	20	1	0
6+40 to 10+40 Rt	Ditch	400	0	0	40
10+40 to 14+00 Rt	Ditch	360	16	1	36
Total		3166	241	13	316.6