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

PROPOSED LEGEND

- A EXISTING GROUND LINE
- B 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		30	
Ramp F						
3+00 to 6+40 Lt	Ditch Rt.	340	0	0	34	
3+00 to 6+40 Rt	Ditch	340	C	0	34	
6+40 Lt	N/A	30	C	0	3	
6+40 Rt	Ditch	0	20	1	0	
6+40 to 10+40 Rt	Ditch	400	C	0	40	
10+40 to 14+00 Rt		360	16	1	36	
	Total	3166	241	13	316.6	

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FILE NAME = ud_detail.dgn	USER NAME = examples	DESIGNED -	REVISED -	Tall Inc.
ud_detail.dgn		DRAWN - PRH	REVISED -	
	PLOT SCALE = 1'=40'	CHECKED - SRG	REVISED -	14.1
	PLOT DATE = 3/19/2010	DATE - 1/18/10	REVISED -	

	STATE	OF	ILLIN	OIS	
DEPART	MENT	OF '	TRANS	PORTA	TION

SCHEDULE OF QUANTITIES — PIPE UNDERDRAIN , 4" 3537 (4Y & 22-3)R-2 DUPAGE 284 95 SCALE; N.T.S. SHEET NO. 95 OF SHEETS STA. TO STA. IILLINGIS FED. AID PROJECT	U.S. ROUTE 20 (L/	AKE STREET)	F.A.U. RTE.	SECTION	COUNTY TOTAL SHEET SHEETS NO.
			3537	(4Y & 22-3)R-2	
	SCALE: N.T.S. SHEET NO. 95 OF SHEETS	STA. TO STA.		ILLINOIS FED. A	