

**DRAINAGE SCHEDULE**

LOCATION		STORM SEWER		PIPE CULVERTS				MAN TA	MAN TA 5D	INLET BOX, STD	INLET TYPE A	END SECTIONS					TRENCH BACKFILL MATERIAL
		CLASS A	CLASS A	CLASS A	CLASS A	CLASS D	CLASS D					METAL		PRECAST CONCRETE FLARED END			
		TY1	TY1	TY1	TY1	TY1	TY1					15"	18"	18"	24"	30"	
STATION	OFFSET	12"	18"	24"	30"	15"	18"	18"	24"	30"	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(CU YD)	
		(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(CU YD)
<b>FAS 1597 (IL 96)</b>																	
1321+41.58	33.48 LT				7											1	
	37.93 RT				10											1	
1326+43.75	34.38 RT			53											1		11.6
	26.50 LT								1								
1329+33.18	34.05 RT			51											1		12.6
	22.04 LT									1							
1333+08.80	35.29 LT					52						2					
1333+65.60	39.67 RT					58						2					
1342+37.00	28.90 LT					28						2					
1343+40.30	28.78 LT					42						2					
1358+13.20	29.82 LT					26						2					
1359+19.30	28.50 LT					32						2					
1360+50.20	28.20 LT					38						2					
1366+60.70	29.66 LT					46						2					
1368+36.70	28.97 LT					48						2					
1370+57.47	40.67 LT														1		
	33.33 RT			62											1		9.7
1370+93.30	36.88 LT												2				
1386+61.30	44.18 RT												2				
1397+32.00	24.00' LT												2				
1409+53.60	28.87 RT					56						2					
1414+67.32	33.50 LT			58											1		10.6
	33.50 RT														1		
1417+38.20	28.44 LT														2		
1423+28.30	28.02 LT		194												1		
1425+29.80	28.00 LT								1								5.0
1425+41.90	28.14 RT					40						2					
1425+84.87	28.30 LT		51												1		6.7
<b>TR 95 (0003N)</b>																	
9+02.00	17.10 RT	69													1		17.8
<b>TOTAL</b>		<b>69</b>	<b>245</b>	<b>224</b>	<b>17</b>	<b>466</b>	<b>162</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>22</b>	<b>8</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>74.0</b>
<b>USE</b>		<b>69</b>	<b>245</b>	<b>224</b>	<b>17</b>	<b>466</b>	<b>162</b>										<b>74</b>

**NOTE:**  
 THE FOLLOWING ITEMS INCLUDE ESTIMATED QUANTITIES (ADDITIONAL TO OTHER LOCATIONS) FOR THE REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIALS AT LOCATIONS (SUCH AS UNDER PROPOSED CULVERTS) OR AS DESIGNATED BY THE ENGINEER (SEE SPECIAL PROVISIONS).  
 1000 TON SUBBASE GRANULAR MATERIAL, TYPE B  
 100 TON ROCK EXCAVATION FOR STRUCTURES  
 500 TON ROCK FILL - FOUNDATION  
 EARTH EXCAVATION AT THE ASSUMED RATE OF 0.5 CU. YD./TON WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER TON FOR SUBBASE GRANULAR MATERIAL, TYPE B AND ROCK FILL-FOUNDATION.

**PRECAST BOX CULVERT & END SECTIONS**

CULVERT NO.	LOCATION					PRECAST BOX CULVERT (ASTM C 1577)					SKEW			DESIGN FILL		• POROUS GRANULAR EMBANK	BOX CULVERT END SECTIONS,				GRANULAR CULVERT BACKFILL		
						3' X 3'	3' X 5'	4' X 3'	6' X 4'	9' X 8'	DEC	MIN	L/R	AH	E/SHLD R (MIN)		MAX.	CU YD	CULVERT NO. 1	CULVERT NO. 2		CULVERT NO. 3	CULVERT NO. 4
						FOOT	FOOT	FOOT	FOOT	FOOT					FOOT		FOOT		EACH	EACH		EACH	EACH
<b>FAS 1597 (IL 96)</b>																							
1	1332+71.40	16.3' RT		1332+71.40	36.3' RT					14	0	0			1.3	1.3	2.9	1				3.5	
2	1345+71.89	23.1' RT		1345+71.89	37.1' RT		8				0	0			6.0	6.0	1.2		1			6.5	
3	1362+10.37	30.5' LT		1362+10.37	39.5' RT	64					0	0			1.7	2.2	9.6			1		66.6	
4	1379+49.75	31.2' LT		1379+49.75	38.6' RT			64			0	0			1.9	3.7	10.7				1	91.9	
5	1385+98.99	13.0' LT		1385+72.19	13.0' RT					74	47	0	RA		1.9	2.3	19.9					689.9	
<b>TOTAL</b>						<b>64</b>	<b>8</b>	<b>64</b>	<b>14</b>	<b>74</b>								<b>44</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>858</b>

**NOTE:**  
 POROUS GRANULAR EMBANKMENT (PLACED IN ACCORDANCE WITH ARTICLE 540.06 OF STANDARD SPECIFICATIONS) SHALL BE INCLUDED IN THE PRICE OF PRECAST BOX CULVERT AND SHALL NOT BE PAID FOR SEPERATLEY