

STRUCTURE NUMBER	STATION	OFFSET (Feet)	Lt/Rt	TYPE	DIAMETER	LID/FRAME & GRATE TYPE	RIM ELEV.	INVERT ELEVATION				NOTES
								N	S	E	W	
US RTE 20 (Lake Street)												
39	376 + 30	64'	Lt	Precast Reinforced Concrete Flared End Section	2'	N/A				685.20		
40	376 + 30	42'	Rt	Restricted Depth Manhole Type A	5'	Type 8	692.70	687.90	688.00		688.90	
41	375 + 70	79'	Rt	Restricted Depth Manhole Type A	4'	Type 8	693.25			690.05	690.15	Connect existing 12" RCP to new manhole
41A	376 + 46	65'	Rt	Restricted Depth Catch Basin Type A	4'	Type 3	639.11	688.74	688.74			
41B	376 + 46	92'	Rt	Restricted Depth Catch Basin Type A	4'	Type 3	693.13	689.60	689.6	690.75		
42	376 + 46	120'	Rt	Precast Reinforced Concrete Flared End Section	2'	N/A		690.50				
43	376 + 78	95'	Rt	Restricted Depth Catch Basin Type A	4'	Type 3	693.25				691.43	
44	382 + 60	69.5'	Lt	Reinforced Concrete Flared End Section for 5' x 2' Box Culvert at Right Angles with Roadway	5' x 2'	N/A				680.36		
45	382 + 46	4'	Lt	Inlet Type A	2'	Type 24	686.23			681.64		Connect to side of 5'x2' Box Culvert at Invert Elevation 681.54 @ 4' Lt.
46	382 + 46	35'	Rt	Restricted Depth Catch Basin Type A	4'	Type 24	685.95			682.00		Connect to side of 5'x2' Box Culvert at Invert Elevation 681.90 @ 35' Rt.
47	382 + 60	40.5'	Rt	Special Manhole	Box	See Note	687.40	681.42	681.50		681.50	Existing Structure - Connect 5'x2' Box Culvert to Existing Cast-in-Place Manhole Structure
48	379+82	55'	Lt	Precast Reinforced Concrete Flared End Section	1'	N/A				684.40		
49	377+50	54'	Lt	Precast Reinforced Concrete Flared End Section	1'	N/A				687.60		
50	383 + 05	35'	Rt	Restricted Depth Catch Basin Type A	4'	Type 3	685.83			682.40	682.30	Connect to side of 5'x2' Box Culvert at Invert Elevation 681.90 @ 35' Rt.
51	383 + 64	35'	Rt	Inlet Type A	2'	Type 24	685.96				682.68	
52	383 + 05	4'	Lt	Catch Basin Type C	2'	Type 3	686.11			682.68	682.58	Connect to side of 5'x2' Box Culvert at Invert Elevation 681.54 @ 4' Lt.
53	383 + 64	4'	Lt	Inlet Type A	2'	Type 24	686.24				682.96	
54	379+82	9'	Rt	Restricted Depth Catch Basin Type A	4'	Type 24	689.27	685.04				
55	377 + 50	9'	Rt	Restricted Depth Catch Basin Type A	4'	Type 24	692.24	688.20			688.30	
56	376 + 90	45'	Rt	Restricted Depth Catch Basin Type A	4'	Type 3	692.76			689.00		
57	382 + 00	73'	Lt	Concrete Ditch Check Dam	N/A	N/A						
Ramp 'F'												
101	5 + 88	47'	Lt	Restricted Depth Manhole Type A	5'	Type 8	691.00	687.14	687.39		687.39	
102	5 + 06	64'	Lt	Precast Reinforced Concrete Flared End Section	2'	N/A					687.74	
103	5 + 88	15'	Rt	Precast Reinforced Concrete Flared End Section	2'	N/A		687.65				
104	3 + 50	79'	Lt	Concrete Ditch Check Dam	N/A	N/A						
York Road												
201	41 + 18	21'	Lt	Restricted Depth Manhole Type A w/ Restrictor Plate	6'	Type 1, Closed Lid	686.79	682.60	682.50	683.00	683.00	Existing 18" pipe to south to remain. N, E, & W pipes all new.
202	43 + 62	21'	Lt	Restricted Depth Manhole Type A	6'	Type 1, Closed Lid	686.95		683.22	683.30	683.72	Connect existing 12" RCP from east to new manhole
203	41 + 25	28'	Rt	Catch Basin Type C	2'	Type 11	686.61				683.18	
204	41 + 25	28'	Lt	Catch Basin Type C	2'	Type 4	686.61			683.02		
205	43 + 85	40'	Rt	Catch Basin Type C	2'	Type 11	686.39			684.20		Field verify rim elevation. Connect to existing manhole @ 684.10
206	43 + 97	28'	Lt	Catch Basin Type C	2'	Type 11	686.66			683.85		
207	45 + 64	39'	Lt	Existin Inlet	N/A	Type 24						Inlet to be Adjusted with new Frame and Grate

SUMMARY OF DRAINAGE STRUCTURE QUANTITIES		
ITEM DESCRIPTION	UNIT	QUANTITY
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	5
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	5
CATCH BASINS, TYPE C, TYPE 3 FRAME AND GRATE	EACH	1
CATCH BASINS, TYPE C, TYPE 4 FRAME AND GRATE	EACH	1
CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	3
CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	5
RESTRICTED DEPTH CATCH BASINS, 4'- DIAMETER, TYPE 3 FRAME AND GRATE	EACH	7
RESTRICTED DEPTH CATCH BASINS, 4'- DIAMETER, TYPE 24 FRAME AND GRATE	EACH	12
RESTRICTED DEPTH MANHOLES, 4'- DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1
RESTRICTED DEPTH MANHOLES, 4'- DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2
RESTRICTED DEPTH MANHOLES, 4'- DIAMETER, TYPE 8 GRATE	EACH	5
RESTRICTED DEPTH MANHOLES, 5'- DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1
RESTRICTED DEPTH MANHOLES, 5'- DIAMETER, TYPE 8 GRATE	EACH	2
RESTRICTED DEPTH MANHOLES, 6'- DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4
INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	7
MANHOLE, TYPE A, 6'- DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	2
MANHOLE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1