DATE	BY	
REFERENCES NOTED		
REFERENCES CHECKED		

FHWA REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER	TOTAL SHEETS
7	KANSAS	87N-0191-01	2002	42	92

WATER METER ADJUSTMENT

STATION	OFFSET	ELEVATION
0+343.690	12.082 Rt.	406.585
0+344.362	12.131 Rt.	406.610
0+372.602	13.575 Rt.	407.315
0+391.228	15.507 Lt.	407.595
0+391.776	15.559 Lt.	407.615
0+416.010	14.707 Lt.	407.875
0+416.500	14.426 Lt.	407.805
0+423.431	14.816 Lt.	407.830
0+424.053	14.891 Lt.	407.820
0+447.486	14.618 Lt.	407.800
0+448.179	14.517 Lt.	407.800
0+455.096	13.201 Lt.	407.745
0+455.594	13.057 Lt.	407.740
0+479.716	10.979 Lt.	407.600
0+480.261	11.009 Lt.	407.600
0+488.432	11.577 Lt.	407.575
0+489.015	11.568 Lt.	407.575
0+536.445	12.950 Rt.	407.570
0+536.983	13.010 Rt.	407.570
0+556.869	12.771 Rt.	407.480
0+557.411	12.750 Rt.	407.480
0+582.318	12.630 Rt.	407.400
0+582.882	12.589 Rt.	407.400
0+599.773	12.667 Rt.	407.350
0+600.251	12.715 Rt.	407.350
0+616.658	13.099 Rt.	407.340
0+617.217	13.176 Rt.	470.340
0+791.834	10.809 Rt.	406.775
0+792.462	10.715 Rt.	406.775
0+837.595	11.316 Rt.	406.840
0+838.321	11.315 Rt.	406.840
0+916.738	11.909 Lt.	406.780
0+918.910	11.783 Rt.	406.695
0+939.430	11.614 Rt.	406.605
0+968.053	12.492 Rt.	406.610
1+028.714	12.789 Rt.	406.235
1+124.165	13.640 Lt.	406.570
1+141.824	14.383 Lt.	406.555
1+159.177	13.406 Lt.	406.435
1+175.303	13.538 Lt.	406.510
1+191.737	13.243 Lt.	406.335
1+208.013	13.555 Lt.	406.315
1+225.032	14.510 Lt.	406.165
1+241.856	13.714 Lt.	405.920
1+258.680	13.794 Lt.	405.625
1+274.755	13.674 Lt.	405.335
1+291.404	13.611 Lt.	405.200
1+308.291	13.707 Lt.	404.930
1+319.407	12.886 Lt.	404.715
1+335.943	12.073 Lt.	404.310
1+362.452	14.291 Lt.	403.895
1+538.619	13.198 Lt.	402.205
1+554.449	12.388 Lt.	402.285
1+563.502	12.537 Rt.	402.345
1+570.709	12.048 Rt.	402.380
1+582.508	12.286 Rt.	402.350
1+589.863	12.502 Rt.	402.440
1+591.002	12.591 Lt.	402.425
1+601.031	11.706 Rt.	402.450
1+607.369	11.899 Rt.	402.400
1+619.053	11.629 Rt.	402.400
1+626.614	11.610 Rt.	402.465
1+627.543	12.733 Lt.	402.540
1+637.346	12.128 Rt.	402.475
1+633.823	12.819 Lt.	402.520
1+644.754	11.378 Rt.	402.540
1+659.633	11.820 Rt.	402.540
1+664.192	12.153 Lt.	402.660
1+664.761	12.334 Lt.	402.690
1+680.661	12.819 Lt.	402.755
1+681.151	12.654 Lt.	402.800
1+682.585	13.924 Rt.	402.700
1+683.277	13.859 Rt.	402.710

SAN. SEWER MH ADJUSTMENT

STATION	OFFSET	ELEVATION	REMARKS
0+401.878	10.732 LT	407.539	
0+449.681	10.679 LT	407.507	
0+551.541	10.692 LT	407.270	
0+574.302	10.700 LT	407.326	NON-PARTICIPATING
0+695.739	10.656 LT	406.889	
0+746.398	10.690 LT	407.000	NON-PARTICIPATING
0+845.816	10.699 LT	406.850	NON-PARTICIPATING
0+944.610	10.665 LT	406.680	NON-PARTICIPATING
1+093.830	12.941 LT	406.104	
1+533.142	9.785 RT	402.072	
1+573.069	11.086 RT	402.485	NON-PARTICIPATING
1+613.671	11.543 RT	402.490	NON-PARTICIPATING

TELEPHONE MH ADJUSTMENT

STATION	OFFSET	ELEVATION
0+489.978	6.210 RT.	407.470
0+669.721	6.485 RT.	406.903
0+867.351	5.845 RT.	406.535
1+065.530	6.575 RT.	406.051
1+263.631	8.190 RT.	405.100

STORM SEWER MH ADJUSTMENT

STATION	OFFSET	ELEVATION
1+188.140	13.082 LT.	406.397
1+470.396	10.685 LT.	402.595

HEAVY STONE RIP-RAP

STATION	OFFSET	AREA (Sq. Meters)
1+494.396	23.328 RT.	14.0
1+511.971	22.141 RT.	9.6
TOTALS		23.6

EARTHWORK

	EXCAVATION			COMPACTION (IN FILL)	COMPACTION (IN CUT)	WASTE		BORROW	
STA TO STA	COMMON		ROCK	(TYPE B) (MR-90)	(TYPE B) (MR-90)	COMMON	ROCK	COMMON	ROCK
	CU. METERS	V.M.F.	SQ. METERS	CU. METERS	CU. METERS				
HARRY									
0+340.740 to 1+687.971	7005	0.7	-	1025	-	-			
TOTALS	7005		18931	1025	-	X	18931	-	-

PAVING BRICK (80 mm)

STATION TO STATION	ROADWAY	LOCATION	PAVING BRICK (80 mm UNIF.) (SQ. METERS)	REMARKS
INTERSECTION				
0+981.023 to 1+015.386	HARRY & EDGEMOOR	Intersection	93.947	
TOTALS			93.947	

CRUSHED STONE SUBGRADE

STA TO STA	ROADWAY	LOCATION	150mm (SQ.METERS)	175 mm (SQ.METERS)	GEOGRID REINF. FOR BASE (SQ.METERS)
0+373.845 to 0+458.206	HARRY	LT. & RT.		1625.748	1625.748
0+848.681 to 1+117.445	HARRY	LT. & RT.	4985.209		4760.648
0+394.499	HARRY	INT.		147.687	147.687
0+458.289 to 0+848.681	HARRY	LT. & RT.		2119.227	2119.227
0+511.039	HARRY	INT. LT.		148.951	148.951
0+514.983	HARRY	INT. RT.		149.545	149.545
0+596.406	HARRY	INT. LT.		149.815	149.815
0+635.397	HARRY	INT. LT.		149.426	149.426
0+697.007	HARRY	INT. LT.		148.971	148.971
0+755.860	HARRY	INT. RT.		149.976	149.976
0+796.969	HARRY	INT. LT.		230.955	230.955
0+876.171	HARRY	INT. RT.		150.047	150.047
1+091.312	HARRY	INT. LT.		160.397	160.397
1+100.646	HARRY	INT. RT.		146.645	146.645
1+105.229 to 1+687.992	HARRY	LT. & RT.		3601.769	3601.769
1+201.808	HARRY	INT. RT.		186.729	186.729
1+302.971	HARRY	INT. RT.		149.565	149.565
1+306.560	HARRY	INT. LT.		149.806	149.806
1+404.012	HARRY	INT. RT.		185.913	185.913
1+482.568	HARRY	INT. LT.		149.705	149.705
1+482.568	HARRY	INT. RT.		156.753	156.753
1+524.631	HARRY	INT. LT.		149.844	149.844
1+524.631	HARRY	INT. RT.		208.170	208.170
TOTALS			4985.209	10415.634	15176.282

PAVEMENT REPAIR

STATION	PVMT. (SQ. METERS)	REMARKS
0+524.217	44.034	
0+567.989	9.048	
0+587.250	21.785	
0+605.558	29.088	
0+644.495	14.492	
0+696.944	3.544	
0+726.656	10.734	
0+735.867	25.232	
0+746.627	32.652	
0+755.770	3.642	
0+764.938	21.824	
0+775.454	7.243	
0+796.888	31.182	
0+815.153	7.174	
0+824.313	21.820	
1+050.395	9.184	
1+117.445 to 1+126.587	65.117	
1+172.351	7.346	
1+181.547	3.616	
1+187.164	62.455	
1+192.843	3.393	
1+201.819	7.422	
1+221.159	14.560	
1+248.650	7.464	
1+257.800	3.677	
1+302.971	7.377	
1+321.884	10.975	
1+356.533	51.905	
1+376.759	14.555	
1+385.909	10.982	
1+404.164	10.941	
1+428.669	3.559	
1+493.025	29.019	
1+504.843	10.822	
1+513.787	7.295	
1+550.701	16.400	
1+559.882	7.469	
1+578.205	11.511	
1+587.352	19.174	
TOTALS	679.712	

RECAPITULATION OF QUANTITIES

ITEM	QUANTITY	UNIT
Site Clearing and Preparation	1	L.S.
Common Excavation	7005	Cu. Meters
Compaction of Earthwork (Type B) (MR-90)	1025	Cu. Meters
Pavement Removal	18931	Sq. Meters
Removal of Existing Structures	1	L.S.
Crushed Stone Subgrade (150mm)	4985	Sq. Meters
Crushed Stone Subgrade (175mm)	10416	Sq. Meters
Geogrid Reinforcement (For Base)	15176	Sq. Meters
Bituminous Surface Overlay (50mm)	17580	Sq. Meters
Asphaltic Concrete Pavement 200 mm	1492	Sq. Meters
Concrete Pavement (250mm)	4638	Sq. Meters
Concrete Pavement (200mm) (Drives)	824	Sq. Meters
Concrete Pavement (200mm)	4110	Sq. Meters
Pavement Repair	680	Sq. Meters
Paving Brick (80mm)	94	Sq. Meters
Combined Curb and Gutter (150mm & 165mm)	2028	Meters
Edge Curb (150mm)	574	Meters
Sidewalk Pavement (100mm)	2813	Sq. Meters
Handrail	2	Each
Wheelchair Ramp (Detectable)	40	Each
Wheelchair Ramp (Plain)	4	Each
Inlet (Type 2-F)(Curb)	4	Each
Inlet (Type II)(Curb)	19	Each
Inlet Hook-up	2	Each
Manholes (Type 1-A Conversions)	6	Each
450mm Storm Sewer (RCP)	29	Meters
Heavy Stone Rip-rap	1	L.S.
Manhole Adjustments	24	Sq. Meters
Field Office and Laboratory (Type A)	1	L.S.
Pavement Marking	1	L.S.
Monument Box	2	Each
Traffic Control	1	L.S.
Temporary Signalization	1	L.S.
Signalization	1	L.S.
Erosion Control (includes temporary seeding)	1	L.S.
Site Restoration (Includes Permanent Sodding)	1	L.S.
Mobilization	1	L.S.
Mobilization (DBE)	1	L.S.
Highway Trainee (SET)	500	Hr.
NON-PARTICIPATING		
Water Meter Adjustments	1	L.S.
Manhole Adjustments	1	L.S.
Transportation of Salvageable Materials	1	L.S.
Traffic Signing	1	L.S.
Sprinkler System Repair	1	L.S.
MEASURED QUANTITIES		
Concrete Pavement (200mm) (V.G.)	2877	Sq. Meters
Concrete Pavement (150mm) (Drives)	891	Sq. Meters

BITUMINOUS SURFACE OVERLAY (50mm)

STA TO STA.	ROADWAY	SURFACE THICKNESS (mm)	BITUMINOUS SURFACE OVERLAY (50 mm) (SQ. METERS)	REMARKS
0+340.740 to 0+395.181	HARRY	100	874.073	
0+458.206 to 0+848.681	HARRY	50	6766.141	
1+117.445 to 1+687.992	HARRY	50	9939.894	
TOTALS			17580.108	

ASPHALTIC CONCRETE PAVEMENT (200mm)

STA TO STA.	ROADWAY	SURFACE THICKNESS (mm)	A.C. PAVEMENT (SQ. METERS)	REMARKS
0+373.845 to 0+458.206	HARRY	200	1491.633	
TOTALS			1491.633	

REV. RECAPITULATION TABLE 9/11/03

HARRY STREET IMPROVEMENTS
SUMMARY OF QUANTITIES
WICHITA, KANSAS

Ruggles & Bohm, P.A.
Engineering, Surveying, Land Planning
924 North Main
Wichita, Kansas 67203
www.rbkansas.com
(316) 264-8008
(316) 264-4621 fax
E-mail: info@rbkansas.com

DESIGN	MWS
DRAWN	TEB
REVIEW	
UTILITY	
DATE	Feb. 3, 2003
R&B JOB	1524.7
SHEET	42 OF 92
DRAWING FILE	SOFQ1
PROJECT NUMBER	472-83685