

DRESSEL ELEMENTARY SCHOOL

SCOPE OF WORK

UNIQUE FEATURES

- Underground detention system with 96" CMP.
- Installation of pervious pavement storage materials.

QTY	UNIT	DESCRIPTION
<u>STORM SEWERS</u>		
140	LF	4" SDR 35 PVC
439	LF	4" PERF SDR 35 PVC (PLAYGROUND)
260	LF	6" SDR 35 PVC
662	LF	8" SDR 35 PVC
88	LF	10" SDR 35 PVC
1,518	LF	12" RCP
164	LF	15" RCP
388	LF	18" RCP
579	LF	21" RCP
317	LF	24" RCP
219	LF	30" RCP
10	LF	42" RCP
4	LF	48" RCP
99	LF	78" RCP
30	LF	TRENCH DRAIN DG0646
3	EA	12" FES RCP W/ HEADWALL
1	EA	18" FES RCP W/ HEADWALL
2	EA	72" FES RCP W/ HEADWALL & WINGWALLS
1	LS	FITTINGS
13	EA	MANHOLE
3	EA	AREA INLET
1	EA	DOUBLE AREA INLET
11	EA	2 GRATE INLET
8	EA	2 GRATE INLET W/ SIDE INTAKE
1	EA	DBL 2 GRATE INLET W/ SIDE INTAKE
1	EA	OUTFALL STRUCTURE
2	EA	YARD DRAIN
14	EA	CLEANOUT
13	EA	DOWNSPOUT TURNUP
1	EA	TIE TO EXISTING STRUCTURE
1	EA	TIE TO EOP
1	EA	CONCRETE COLLAR TO DETENTION CMP
56	SY	LIGHT REVETMENT
87	SY	HEAVY REVETMENT
1,275	TN	GRANULAR BEDDING
5,674	TN	COMPACTED GRANULAR FILL
1,520	CY	COMPACTED DIRT BACKFILL
1	LS	PERMITS & MOBILIZATION

QTY	UNIT	DESCRIPTION
<u>SANITARY SEWERS</u>		
412	LF	6" SDR-35 PVC
952	LF	8" SDR-35 PVC
2	EA	8x6 TEE WYE
2	EA	6x6 TEE WYE
2	EA	6" 90 DEG BEND
1	EA	TIE INTO EX SANITARY LINE
7	EA	SANITARY MANHOLE
7	EA	CLEANOUT
1	EA	1200 GALLON GREASE TRAP
375	TN	GRANULAR BEDDING
2,126	TN	COMPACTED GRANULAR FILL
0	CY	COMPACTED DIRT BACKFILL
40	LF	SAWCUT PAVEMENT
13	SY	PATCH PAVEMENT
1	LS	TRAFFIC CONTROL
1	LS	PERMITS & MOBILIZATION

QTY	UNIT	DESCRIPTION
<u>REMOVALS</u>		
546	LF	GROUT 18" STORM PIPE
2	EA	REMOVE STORM STRUCTURE
1	EA	REMOVE CISTERN
1	EA	REMOVE SEPTIC TANK

QTY	UNIT	DESCRIPTION
<u>SITE WATER LINE</u>		
20	LF	2" COPPER TYPE K
72	LF	6" PVC C-900 DR 18
1425	LF	8" PVC C-900 DR 18
1	EA	8" TAP ON EXISTING PUBLIC MAIN
2	EA	8" MJ 22 DEGREE BEND
2	EA	8" MJ 45 DEGREE BEND
2	EA	8" MJ 90 DEGREE BEND
5	EA	8" x 6" MJ TEE
1	EA	8" x 8" MJ TEE
2	EA	8" x 6" MJ REDUCER
1	EA	8" x 2" MJ TEE
1	EA	2" 90 DEGREE BEND
1	EA	2" CURB STOP & BOX
1	EA	6" POST INDICATOR VALVE
1	EA	8" MJ GATE VALVE
6	EA	FIRE HYDRANT ASSEMBLY
1	EA	6" COMBO RISER TO 18" ABOVE FINISH FLOOR
1	EA	2" METER SETTER & BOX
1	EA	8" FM ASSEMBLY & VAULT
1	LS	PAVEMENT REMOVAL & REPLACEMENT
1	LS	TRAFFIC CONTROL
1	EA	TESTING, FLUSHING & CHLORINATION
187	TN	GRANULAR BEDDING
353	TN	COMPACTED GRANULAR FILL
316	CY	MECHANICAL COMPACTION-DIRT
1	LS	MO AMERICAN METER FEES
1	LS	PERMITS, DESIGN DRAWING & MOBILIZATION

QTY	UNIT	DESCRIPTION
<u>UNDERGROUND DETENTION SYSTEM</u>		
1362	LF	96" CMP 14 GAGE W/MANIFOLD
2	EA	ACCESS MANHOLE
8997	TN	GRANULAR FILL & BEDDING
1	LS	PERMITS & MOBILIZATION

QTY	UNIT	DESCRIPTION
<u>PERVIOUS PAVEMENT</u>		
92	LF	4" SCH 40 PVC
812	LF	4" PERFORATED PIPE
18	EA	CLEANOUTS
7	EA	OBSERVATION WELL
25	TN	GRANULAR BEDDING

QTY	UNIT	DESCRIPTION
<u>BIO-RETENTION BASIN</u>		
8	EA	BIO-RETENTION BASIN
<u>INCLUDES:</u>		
		1) 30" LAYER OF PLANTING SOIL
		2) 6" LAYER OF C-33 SAND
		3) 6" LAYER OF 3/8" P-GRAVEL
		4) 8" LAYER OF 3/4" C-GRAVEL
		5) MSD #4 FILTER FABRIC
		6) 6" PVC SDR 35 PERF. PIPE
		7) 2" THICK PEA GRAVEL ON TOP
1	LS	PERMITS & MOBILIZATION