PIPE SCHEDULE

NO.	SIZE / TYPE	LENGTH	SLOPE	INT. INV.	DIS. INV.
13 x	15" RCP	19.4	0.085	260.44	258.80
14	15" RCP	108.0	0.0026	258.96	258.68
15	15" RCP	2.9	xx	xx	xx
16	15" RCP	9.0	0.0026	258.67	258.64
17	15" RCP	133.5	0.003	259.66	259.26
18	15" RCP	49.8	0.0026	258.26	258.13
19	15" RCP	40.2	0.003	258.41	258.29
20	15" RCP	96.1	0.003	258.80	258.51
24	15" RCP	140.3	0.0026	258.63	258.27
31	15" RCP	18.8	0.003	258.19	258.13
48	15" RCP	10.0	0.0026	258.99	258.97
49	15" RCP	55.6	0.0026	259.15	259.00
59 +	36" RCP	15.8	0.020	258.00	257.68
63	36" RCP	9.3	0.0183	258.30	258.13

x INITIAL INVERT AT STA. 63+70.0, 43.0 LT.
xx TO BE DETERMINED IN FIELD BY ENGINEER.
+ DESIGN IS BASED UPON THE REMOVAL OF THREE EXISTING PIPE SECTIONS. HOWEVER, REMOVAL OF EXISTING PIPE AND PLACEMENT OF NEW PIPE SHALL EXTEND TO NEAREST PIPE SECTION/JOINT THAT IS IN SATISFACTORY CONDITION, AS DETERMINED BY THE ENGINEER. PROPOSED PIPE SLOPE AND DISCHARGE INVERT ARE APPROXIMATE AND SHOULD MATCH EXISTING PIPE.

UNDERDRAIN SCHEDULE

NO.	STA. TO STA.	LENGTH	SIZE/TYPE	DISCHARGE TYPE	DISCHARGE INV.
17	63+50 TO 64+06 RT	56 LF	6" PEP	MH-11	*
18	65+80 TO 66+77 RT	97 LF	6" PEP	DI - 17	*
19	66+80 TO 69+77 RT	297 LF	6" PEP	DI - 17	*
20	69+82 TO 70+50 RT	68 LF	6" PEP	EX. C.B.	*
21	63+56 TO 65+50 LT	194 LF	6" PEP	DI - 12	*
22	66+47 TO 67+56 LT	109 LF	6" PEP	DI - 14	*
23	67+56 TO 68+96 LT	140 LF	6" PEP	DI - 16	*
24	69+01 TO 70+10 LT	109 LF	6" PEP	DI - 18	*
25	70+14 TO 70+50 LT	36 LF	6" PEP	DI - 19	*

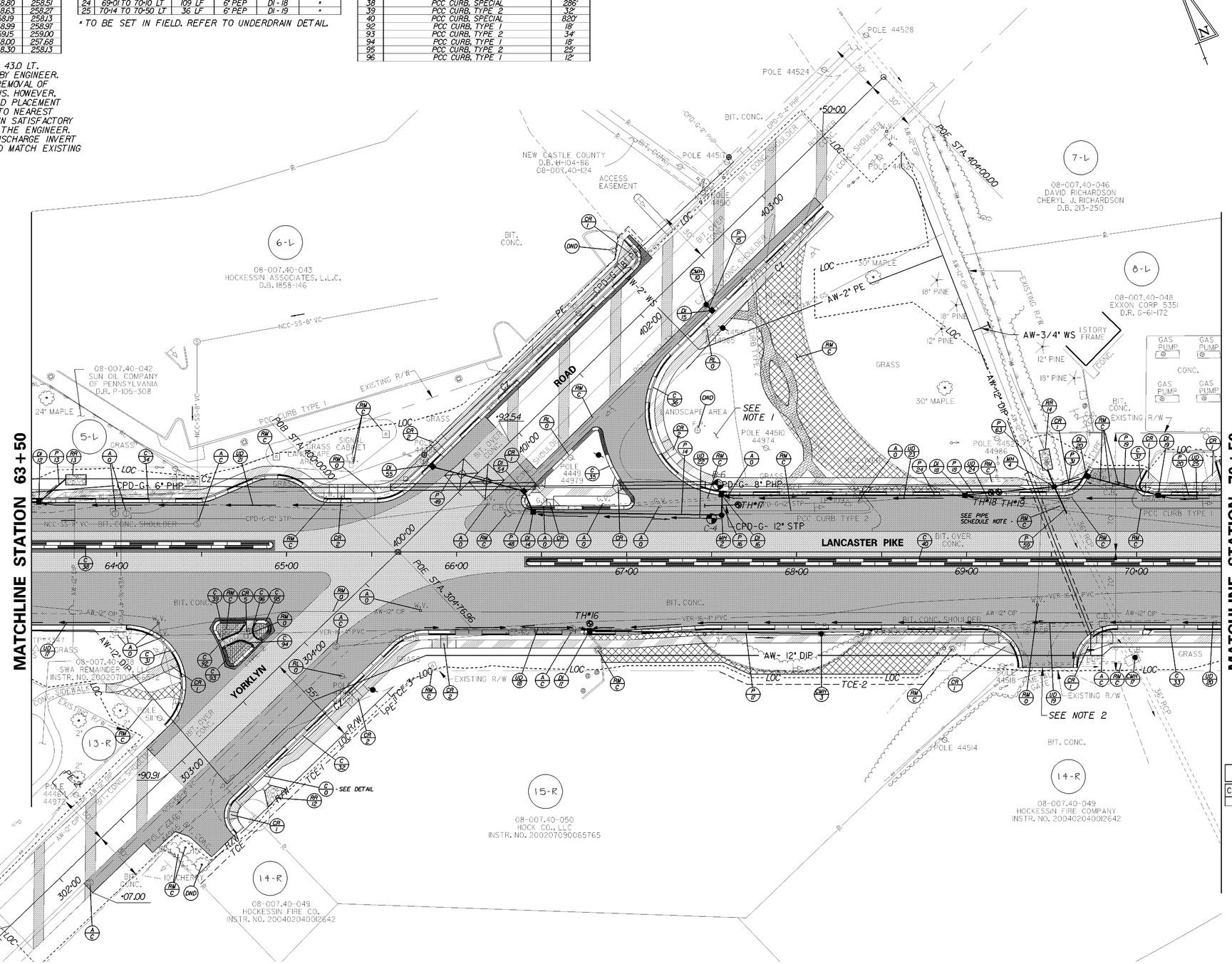
* TO BE SET IN FIELD. REFER TO UNDERDRAIN DETAIL.

CURB SCHEDULE

NO.	TYPE	LENGTH
31	INTEGRAL PCC CURB AND GUTTER, TYPE 1	83'
32	INTEGRAL PCC CURB AND GUTTER, TYPE 1	544'
33	INTEGRAL PCC CURB AND GUTTER, TYPE 1	10'
34	INTEGRAL PCC CURB AND GUTTER, TYPE 1	439'
35	PCC CURB, TYPE 2	184'
36	INTEGRAL PCC CURB AND GUTTER, TYPE 1	462'
37	INTEGRAL PCC CURB AND GUTTER, TYPE 1	65'
38	PCC CURB, SPECIAL	286'
39	PCC CURB, TYPE 2	32'
40	PCC CURB, SPECIAL	820'
92	PCC CURB, TYPE 1	18'
93	PCC CURB, TYPE 2	34'
94	PCC CURB, TYPE 1	18'
95	PCC CURB, TYPE 2	25'
96	PCC CURB, TYPE 1	12'

UTILITY TEST HOLES

NO.	UTILITY	STATION	OFFSET	GR. EL.	COVER	O.D. & MATERIAL
TH 16	VER	66+78	42.2' RT.	262.40	3.38	16-4" PVC
TH 17	CPD-G	67+66	27.7' LT.	263.64	5.12	12" STEEL
TH 18	CPD-G	69+14	34.8' LT.	263.01	5.76	12" STEEL
TH 19	AW	69+19	35.2' LT.	260.78	2.68	12" CIP



CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
20-007-02	NEW CASTLE	SEE TITLE SHEET	23	151

SR 41 (LANCASTER PIKE) SAFETY PROJECT

REVISIONS

NOTES:
1. SEE LANDSCAPE PLANS FOR DISPOSITION OF EXISTING LANDSCAPE MATERIALS.
2. CONTRACTOR SHALL NOTE THAT THE ENTRANCE IS SHOWN AS A PLACE HOLDER FOR PROPOSED DEVELOPMENT. THE LOCATION, WIDTH, AND CURB RADII IS SUBJECT TO CHANGE BY THE ENGINEER.

MANHOLE SCHEDULE

NO.	TYPE	TOP EL.	INV. EL.	STATION	OFFSET
2	48" X 30"	x	258.67	67+55.9	216'.LT.
4	48" X 30"	x	258.00	69+51.5	38.3'.LT.

x TO BE SET IN FIELD BY ENGINEER.

CONVERT TO MANHOLE SCHEDULE

NO.	TYPE	TOP EL.	INV. EL.	STATION	OFFSET
3+	x	xxx	xx	68+46	48'.RT.
10	x	xxx	++	67+46.9	145.5'.LT.
17+	x	xxx	xx	69+80.1	42.3'.RT.

+ REMOVE SECTION OF EXISTING PIPE AS REQUIRED TO CONSTRUCT MH-3 AND MH-17. COST INCIDENTAL TO ITEM 710501 - CONVERTING EXISTING CATCH BASIN TO MANHOLE.
x SIZE OF MANHOLE TO MATCH EXISTING.
xx MATCH EXISTING PIPE INVERT.
xxx TO BE SET IN FIELD BY ENGINEER.
++ TO BE DETERMINED IN FIELD BY ENGINEER.

DRAINAGE INLET SCHEDULE

NO.	BOX	GRATE	T.G. EL.	INV. EL.	STATION	OFFSET
12	48" X 30"	I	+	258.18	63+54.3	++
14	34" X 24"	I	+	258.96	66+44.9	++
15	34" X 24"	I	+	x	402+31.6	++
16	48" X 48"	I	+	258.63	67+55.8	++
17	34" X 24"	I	+	259.66	66+78.2	++
18	34" X 24"	I	+	258.26	68+99.0	++
19	34" X 24"	I	+	258.41	70+12.7	++
20	34" X 24"	I	+	258.19	69+71.7	++
54	34" X 24"	I	+	258.99	400+78.2	++
55	72" X 24"	I	+	259.15	400+50.0	++

+ MATCH FLOWLINE OF PROPOSED CURB AND GUTTER.
++ MATCH PROPOSED CURBLINE.
x TO BE DETERMINED IN FIELD BY ENGINEER.

RIPRAP SCHEDULE

NO.	TYPE	AREA
12	R-5	9 SY
13	R-5	8 SY
14	R-5	8 SY

ROADWAY CORE SUMMARY

C NO.	STA.	OFFSET	DESCRIPTION
4	67+50	19.5' LT.	5 1/2" ASPHALT OVER 9 1/4" CONCRETE

PRELIM. TRACING ____ J.A.P. ____ DESIGN ____ C.L.G./D.E.G. ____ CHKD. ____ J.M.P. ____

7/2/2004

M:\3128406\ps07sr41.plt