

- ① STA. 20+091.689, 5.185m, LT. - STA. 10+018.140, 4.528m, RT.
NEW 450mm X 21.5m CPEP (SL)
INV. IN = 138.560, INV. OUT = 138.300
NEW CB (CB-1), RIM = 139.874
WITH CAST IRON GRATE, TYPE D
- ② STA. 20+091.309, 4.528m, RT. - STA. 20+111.917, 10.374m, RT.
NEW 450mm X 20.2m CPEP (SL)
INV. IN = 138.493, INV. OUT = 138.394
NEW CB (CB-2), RIM = 139.876
WITH CAST IRON GRATE, TYPE D
- ③ STA. 20+111.917, 10.374m, RT. - STA. 9+983.918, 10.688m, LT.
NEW 450mm X 15.6m CPEP (SL)
INV. IN = 138.369, INV. OUT = 138.292
NEW CB (CB-3), RIM = 140.136
WITH CAST IRON GRATE, TYPE D
- ④ STA. 9+983.918, 10.688m, LT. - STA. 9+982.000, 8.130m, RT.
NEW 450mm X 17.6m CPEP (SL)
INV. IN = 138.266, INV. OUT = 138.185
NEW CB (CB-4), 1.5m DIA., RIM = 140.101
WITH CAST IRON GRATE, TYPE D

- ⑤ STA. 9+981.999, 8.130m, RT. - STA. 20+147.920, 8.013m, RT.
NEW 450mm X 5.4m CPEP (SL)
INV. IN = 138.160, INV. OUT = 138.136
NEW CB (CB-5), RIM = 140.115
WITH CAST IRON GRATE, TYPE D
- ⑥ STA. 20+147.920, 8.013m, RT. - STA. 20+148.169, 13.035m, LT.
NEW 600mm X 19.9m CPEP (SL)
INV. IN = 138.111, INV. OUT = 138.019
NEW CB (CB-6), RIM = 140.138
WITH CAST IRON GRATE, TYPE D
- ⑦ STA. 20+148.169, 13.035m, LT. - STA. 10+016.639, 19.886m, RT.
NEW 600mm X 10.3m CPEP (SL)
INV. IN = 137.994, INV. OUT = 137.941
NEW CB (CB-7), RIM = 140.135
WITH CAST IRON GRATE, TYPE D
NEW END SECTION AT OUTLET
- ⑧ STA. 9+971.691, 5.208m, LT. - STA. 9+983.918, 10.688m, LT.
NEW 450mm X 12.1m CPEP (SL)
INV. IN = 138.329, INV. OUT = 138.270
NEW CB (CB-8), RIM = 139.706
WITH CAST IRON GRATE, TYPE D
- ⑨ STA. 9+957.241, 3.468m, LT. - STA. 9+971.689, 5.208m, LT.
NEW 450mm X 13.4m CPEP (SL)
INV. IN = 138.393, INV. OUT = 138.329
NEW CB (CB-9), RIM = 139.521
WITH CAST IRON GRATE, TYPE D

- ⑩ NOT USED ON THIS PROJECT
- ⑪ STA. 10+034.955, 4.381m, LT. - STA. 10+018.140, 11.657m, LT.
NEW 450mm X 17.0m CPEP (SL)
INV. IN = 138.331, INV. OUT = 138.248
NEW CB (CB-10), RIM = 139.602
WITH CAST IRON GRATE, TYPE D

**STA. 20+261.702
END PROJECT
STP 030-2(27)
BEGIN APPROACH**

MATCHLINE - STA. 20+080 - SEE DRAINAGE PLAN 1

- ① REVISED CB-1 RIM ELEV. FROM 139.871 TO 139.874
- ② REVISED CB-2 RIM ELEV. FROM 139.884 TO 139.876
- ③ REVISED CB-3 RIM ELEV. FROM 139.876 TO 140.136
- ④ REVISED CB-4 RIM ELEVATION FROM 139.888 TO 140.101
- ⑤ REVISED CB-5 RIM ELEVATION FROM 139.931 TO 140.115
- ⑥ REVISED CB-6 RIM ELEVATION FROM 139.958 TO 140.138
- ⑦ REVISED CB-7 RIM ELEVATION FROM 139.884 TO 140.135
- ⑧ REVISED CB-8 RIM ELEVATION FROM 139.666 TO 139.706
- ⑨ REVISED CB-9 RIM ELEVATION FROM 139.477 TO 139.521
- ⑩ REVISED CB-11 RIM ELEVATION FROM 139.611 TO 139.618
- ⑪ REVISED CB-13 RIM ELEVATION FROM 139.941 TO 140.141
- ⑫ REVISED CB-14 RIM ELEVATION FROM 139.241 TO 139.227
- ⑬ REVISED CB-15 RIM ELEVATION FROM 139.588 TO 139.624
- ⑭ REVISED CB-16 RIM ELEVATION FROM 139.876 TO 140.102
- ⑮ REMOVED CB-18 AND PIPE 18 AND REPLACED WITH CB-18A AND PIPE 18A
- ⑯ REVISED CB-11 RIM ELEVATION FROM 139.618 TO 139.602
- ⑰ ADDED CB-20 AND PIPE 20
- ⑱ REVISED PIPE 18A
- ⑲ ADDED CB-21 AND PIPE 21
- ⑳ REVISED PIPE 21
- ㉑ REMOVED U9
- ㉒ REMOVED CB-12 AND PIPE 12 AND ADDED CB-12A AND PIPE 12A

**STA. 9+910.905
END APPROACH
BEGIN PROJECT
STP 030-2(27)**

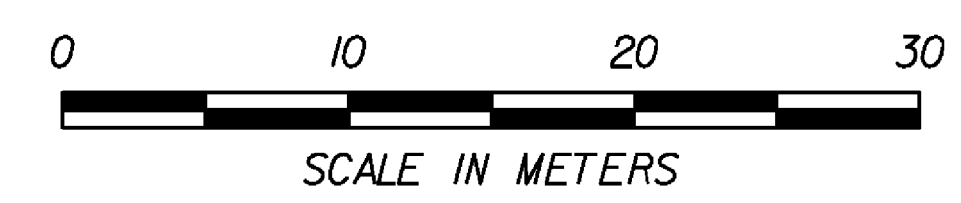
- EX1 STA. 9+957.795, 5.049m, LT. - STA. 9+958.165, 5.568m, RT.
REMOVE EXISTING 380mm CGMP X 10.631m CULVERT AND HEADWALL AT OUTLET
- EX2 STA. 9+958.031, 7.122m, RT. - STA. 9+978.201, 14.287m, RT.
REMOVE EXISTING 460mm RCP CULVERT AND HEADWALLS AT OUTLET AND INLET
- EX3 STA. 9+979.540, 14.647m, RT. - STA. 20+151.897, 12.496m, LT.
REMOVE EXISTING 460mm RCP CULVERT AND HEADWALLS AT OUTLET AND INLET
- EX4 STA. 9+926.160, 8.881m, LT. - STA. 9+944.514, 14.683m, RT.
REMOVE EXISTING XXXmm RCP CULVERT WITHIN R.O.W. ONLY
RETAIN CATCH BASIN AT OUTLET

LEGEND

- GRASS LINED CHANNEL FOR STORMWATER
- FLUSHING BASIN

- ⑫ STA. 10+047.134, 5.984m, LT. - STA. 10+034.955, 4.381m, RT.
NEW 450mm X 12.3m CPEP (SL)
INV. IN = 138.388, INV. OUT = 138.333
NEW CB (CB-12A), RIM = 139.576
WITH CAST IRON GRATE, TYPE D
- ⑬ STA. 10+018.140, 11.657m, LT. - STA. 10+020.172, 11.098m, RT.
NEW 450mm X 21.5m CPEP (SL)
INV. IN = 138.223, INV. OUT = 138.124
NEW CB (CB-13), 1.5m DIA., RIM = 140.141
WITH CAST IRON GRATE, TYPE D
- ⑭ STA. 10+054.393, 3.968m, RT. - STA. 10+034.398, 5.392m, RT.
NEW 450mm X 18.7m CPEP (SL)
INV. IN = 138.256, INV. OUT = 138.166
NEW CB (CB-14), RIM = 139.227
WITH CAST IRON GRATE, TYPE D
- ⑮ STA. 10+034.398, 5.392m, RT. - STA. 10+020.172, 11.098m, RT.
NEW 450mm X 14.1m CPEP (SL)
INV. IN = 138.166, INV. OUT = 138.099
NEW CB (CB-15), RIM = 139.624
WITH CAST IRON GRATE, TYPE D
- ⑯ STA. 10+020.172, 11.098m, RT. - STA. 10+017.606, 19.107m, RT.
NEW 600mm X 7.8m CPEP (SL)
INV. IN = 138.08, INV. OUT = 137.96
NEW CB (CB-16), RIM = 140.102
WITH CAST IRON GRATE, TYPE D
NEW END SECTION AT OUTLET
- ⑰ STA. 20+155.000, 11.988m, RT. - STA. 20+147.920, 8.013m, RT.
NEW 450mm X 7.3m CPEP (SL)
INV. IN = 138.625, INV. OUT = 138.115
NEW END SECTION AT INLET
- ⑱ STA. 20+175.600, 10.700m, LT. - STA. 20+166.370, 5.497m, LT.
NEW 375mm X 9.4m CPEP (SL)
INV. IN = 138.828, INV. OUT = 138.680
NEW CB (CB-18A), RIM = 139.828
WITH CAST IRON GRATE, TYPE A
- ⑲ STA. 9+957.101, 7.330m, LT. - STA. 9+957.241, 3.467m, LT.
NEW 450mm X 3.3m CPEP (SL)
INV. IN = 138.780, INV. OUT = 138.393
NEW END SECTION AT INLET
- ⑳ STA. 9+957.241, 3.467m, LT. - STA. 9+981.999, 8.130m, RT.
NEW 450mm X 23.9m CPEP (SL)
INV. IN = 138.290, INV. OUT = 138.170
NEW CB (CB-20), RIM = 139.480
WITH CAST IRON GRATE, TYPE D
- ㉑ STA. 20+166.370, 5.497m, LT. - STA. 20+148.169, 13.035m, LT.
NEW 375mm X 16.6m CPEP (SL)
INV. IN = 138.580, INV. OUT = 138.395
NEW CB (CB-20), RIM = 139.905
WITH CAST IRON GRATE, TYPE D

- ⑰ STA. 20+080, 3.657m, LT. - STA. 20+091.689, 5.185m, LT.
NEW 200mm X 40.1m UNDERDRAIN CARRIER PIPE
NEW 200mm X 4.5m UNDERDRAIN CARRIER PIPE
NEW FLUSHING BASIN AT 20+046.892, 7.309m, LT.
- ⑱ STA. 20+080, 3.288m, RT. - STA. 20+091.309, 4.582m, RT.
NEW 200mm X 40.5m UNDERDRAIN CARRIER PIPE
NEW 200mm X 3.9m UNDERDRAIN CARRIER PIPE
NEW FLUSHING BASIN AT 20+047.566, 6.910m, RT.
- ⑲ STA. 20+091.689, 5.185m, LT. (CB-1) - STA. 10+018.140, 11.657m, LT. (CB-13)
NEW 200mm X 22.0m UNDERDRAIN CARRIER PIPE
NEW 200mm X 1.5m UNDERDRAIN CARRIER PIPE
NEW FLUSHING BASIN AT 20+091.689, 5.185m, LT. (CB-1)
- ⑲ STA. 20+091.309, 4.582m, RT. (CB-2) - STA. 20+111.917, 10.374m, RT. (CB-3)
NEW 200mm X 19.7m UNDERDRAIN CARRIER PIPE
NEW 200mm X 1.5m UNDERDRAIN CARRIER PIPE
NEW FLUSHING BASIN AT 20+091.309, 4.582m, RT. (CB-2)
- ⑲ STA. 20+255.331, 7.782m, LT. - STA. 20+148.169, 13.035m, LT. (CB-7)
NEW 200mm X 106.2m UNDERDRAIN CARRIER PIPE
NEW 200mm X 3.1m UNDERDRAIN CARRIER PIPE
NEW FLUSHING BASIN AT 20+255.331, 7.782m, LT.
- ⑲ STA. 20+255.331, 7.308m, RT. - STA. 20+147.920, 8.013m, RT. (CB-6)
NEW 200mm X 105.3m UNDERDRAIN CARRIER PIPE
NEW 200mm X 2.5m UNDERDRAIN CARRIER PIPE
NEW FLUSHING BASIN AT 20+255.331, 7.308m, RT.
- ⑲ STA. 9+913.839, 6.123m, LT. - STA. 9+957.241, 3.468m, LT. (CB-9)
NEW 200mm X 41.3m UNDERDRAIN CARRIER PIPE
NEW 200mm X 2.3m UNDERDRAIN CARRIER PIPE
NEW FLUSHING BASIN AT 9+913.839, 6.123m, LT.
- ⑲ STA. 9+913.839, 6.407m, RT. - STA. 9+946.409, 3.288m, RT. (CB-5)
NEW 200mm X 66.7m UNDERDRAIN CARRIER PIPE
NEW 200mm X 2.8m UNDERDRAIN CARRIER PIPE
NEW FLUSHING BASIN AT 9+913.839, 6.407m, RT.
- ⑲ STA. 9+971.689, 5.208m, LT. (CB-8) - STA. 9+957.241, 3.468m, LT. (CB-9)
NEW 200mm X 14.3m UNDERDRAIN CARRIER PIPE
NEW 200mm X 1.5m UNDERDRAIN CARRIER PIPE
NEW FLUSHING BASIN AT 9+971.689, 5.208m, LT. (CB-8)
- ⑲ STA. 9+983.918, 10.688m, LT. (CB-4) - STA. 9+971.689, 5.208m, LT. (CB-8)
NEW 200mm X 11.5m UNDERDRAIN CARRIER PIPE
NEW 200mm X 1.5m UNDERDRAIN CARRIER PIPE
NEW FLUSHING BASIN AT 9+984.526, 9.715m, LT. (CB-4)



PROJECT NAME: CAMBRIDGE	PLOT DATE: 6/21/13
PROJECT NUMBER: STP 030-2(27)	DRAWN BY: MBL
FILE NAME: f78f163bdr.dgn	CHECKED BY: JAD
PROJECT LEADER: JLS	SHEET 54 OF 214
DESIGNED BY: MBL	
DRAINAGE PLAN 2	