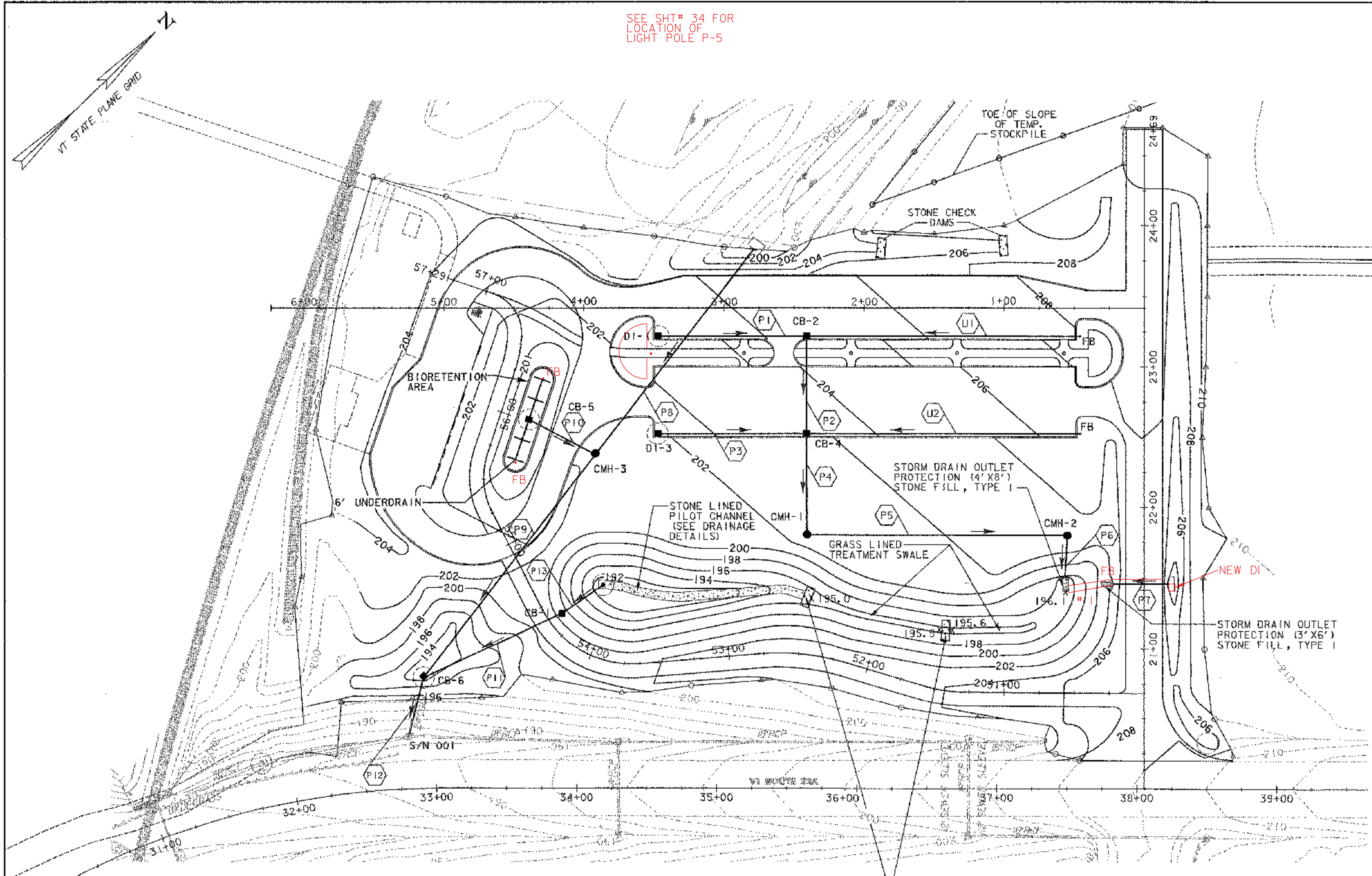


SEE SHT# 34 FOR  
LOCATION OF  
LIGHT POLE P-5



- P1 STA. 3+46.8, 20.3' LT. TO STA. 2+41.2, 20.3' LT.  
NEW 12" X 103" UNDERDRAIN, INV. IN 199.90, INV. OUT 199.20  
CONSTRUCT NEW RCDI (DI-1) W/ TYPE D GRATE AT INLET, RIM 202.9
- P2 STA. 2+41.2, 20.3' LT. TO STA. 2+41.2, 89.5' LT.  
NEW 18" X 65' CPEP (SL), INV. IN 199.10, INV. OUT 198.60  
CONSTRUCT NEW CCB (CB-2) W/TYPE D GRATE AT INLET, RIM 204.3
- P3 STA. 3+47.4, 89.5' LT. TO STA. 2+41.2, 89.5' LT.  
NEW 12" X 103" UNDERDRAIN, INV. IN 199.10, INV. OUT 198.60  
CONSTRUCT NEW RCDI (DI-3) AT INLET, GRATE TYPE D, RIM 201.9
- P4 STA. 2+41.2, 89.5' LT. TO STA. 2+40.8, 161.6' LT.  
NEW 24" X 69' CPEP (SL), INV. IN 198.50, INV. OUT 198.10  
CONSTRUCT NEW CCB (CB-4) W/TYPE D GRATE AT INLET, RIM 203.1
- P5 STA. 2+40.8, 161.6' LT. TO STA. 0+54.7, 161.9' LT.  
NEW 24" X 182' CPEP (SL), INV. IN 198.00, INV. OUT 197.10  
CONSTRUCT NEW CMH (CMH-1) W/ CAST IRON COVER AT INLET, RIM 202.2
- P6 STA. 0+54.7, 161.9' LT. TO STA. 0+56.6, 190.5' LT.  
NEW 24" X 27' CPEP (SL), INV. IN 197.00, INV. OUT 196.80  
CONSTRUCT NEW CMH (CMH-2) W/ CAST IRON COVER AT INLET, RIM 205.0  
NEW 24" CPEPES AND STONE FILL, TYPE I AT OUTLET
- P7 STA. 21+46.2, 16.7' RT. TO STA. 21+46.0, 22.4' LT.  
NEW 18" X 39' CPEP (SL), INV. IN 203.50, INV. OUT 203.10  
CONSTRUCT NEW REINFORCED CONCRETE HEADWALL AT INLET  
NEW 18" CPEPES AND STONE FILL, TYPE I AT OUTLET
- P8 STA. 2+79.3, 40.9' RT. TO STA. 3+91.8, 104.2' LT.  
NEW 30" X 184' CPEP (SL), INV. IN 197.00, INV. OUT 192.10  
CONSTRUCT NEW REINFORCED CONCRETE HEADWALL AT INLET
- P9 STA. 3+91.8, 104.2' LT. TO STA. 5+14.6, 262.4' LT.  
NEW 30" X 196' CPEP (SL), INV. IN 192.00, INV. OUT 188.00  
CONSTRUCT NEW CMH (CMH-3) W/ CAST IRON COVER AT INLET, RIM 201.80
- P10 STA. 4+39.4, 79.4' LT. TO STA. 3+91.8, 104.2' LT.  
NEW 24" X 50' CPEP (SL), INV. IN 193.50, INV. OUT 193.05  
CONSTRUCT NEW CCB (CB-5) W/ TYPE D GRATE AT INLET, RIM 200.5
- P11 STA. 4+15.7, 216.7' LT. TO STA. 5+14.6, 262.4' LT.  
NEW 24" X 105' CPEP (SL), INV. IN 191.00, INV. OUT 190.00  
CONSTRUCT NEW CCB (CB-1) W/TYPE D GRATE AT INLET, RIM 199.0  
(SEE NOTE 5)
- P12 STA. 5+14.6, 262.4' LT. TO STA. 5+25.2, 304.8' LT.  
REMOVE EXISTING 24" CGMP  
NEW 24" X 41' CPEP (SL), INV. IN 187.00, INV. OUT 182.12  
CONSTRUCT NEW CCB (CB-6) W/TYPE D GRATE AT INLET, RIM 193.5  
CONNECT TO EXISTING CB AT OUTLET (AT EXISTING INVERT ELEVATION)\*
- P13 STA. 3+86.5, 196.8' LT. TO STA. 4+15.7, 216.7' LT.  
NEW 12" X 36' CSP, WITH 12" X 6' RISER AT INLET (SEE NOTE 5)
- U1 STA. 0+45.7, 21.3' LT. TO STA. 2+41.2, 21.3' LT.  
NEW 6" X 194' UNDERDRAIN, CONSTRUCT FLUSHING BASIN AT INLET  
INV. IN = 202.33  
INV. OUT = 199.20
- U2 STA. 0+45.7, 91.1' LT. TO STA. 2+41.2, 91.1' LT.  
NEW 6" X 194' UNDERDRAIN, CONSTRUCT FLUSHING BASIN AT INLET  
INV. IN = 201.73  
INV. OUT = 198.60

**BIORETENTION AREA**  
NEW 6" X 108' UNDERDRAIN, SEE DRAINAGE DETAIL SHEET 2 FOR DETAIL

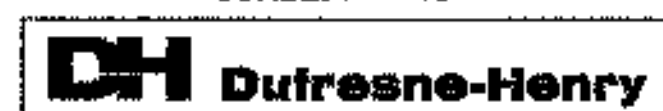
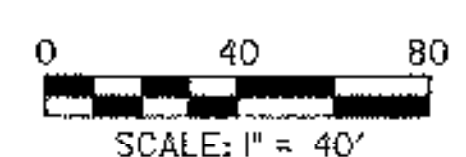
**CONSTRUCTION NOTES:**  
STRUCTURES CMH-1, CMH-2 & CMH-3 WILL BE PAID FOR AS ITEM 604.21: PRECAST CONCRETE MANHOLE WITH CAST IRON COVER.  
STRUCTURES CCB1, 2, 4, 5, AND 6 WILL BE PAID FOR AS ITEM 604.20: PRECAST CONCRETE CATCH BASIN WITH CAST IRON GATE.  
STRUCTURES DI-2 AND CB-3 ARE NOT USED.

\*INCIDENTAL TO PIPE CONSTRUCTION

**STORMWATER NOTES**

1. PRIOR TO COMMENCING SITE WORK, THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS. THE RESIDENT ENGINEER SHALL BE NOTIFIED WITHIN 48 HOURS WHERE DISCREPANCIES EXIST BETWEEN THE CONSTRUCTION DRAWINGS AND ACTUAL FIELD CONDITIONS.
2. THE CONTRACTOR SHALL CONTACT DIG SAFE (1-888-344-7233) SEVENTY-TWO HOURS PRIOR TO ANY EXCAVATION TO ACCURATELY ESTABLISH THE LOCATION OF ALL UNDERGROUND UTILITIES LOCATED ON THE PROJECT SITE.
3. IMPERVIOUS AREAS (DISCHARGING TO S/N 001)  
EXISTING: 0.00 ac  
PROPOSED: 73,992 SF (1.70 ac)
4. FLOWS TO IMPACT POINT (S/N 001)  
PBE PQSI  
2 YR 9.42 cfs 9.21 cfs  
10 YR 21.94 cfs 20.46 cfs  
100 YR 39.68 cfs 38.01 cfs
5. FOR CONSTRUCTION NOTES AND DETAILS OF POND OUTLET STRUCTURE AND RISER PIPE, SEE DRAINAGE DETAIL SHEET 1.
6. FOR CONSTRUCTION NOTES AND DETAILS OF GRASS LINED TREATMENT SWALE, SEE DRAINAGE DETAIL SHEET 1.
7. FOR CONSTRUCTION NOTES AND DETAILS OF STONE LINED PILOT CHANNEL, SEE DRAINAGE DETAIL SHEET 1.
8. FOR CONSTRUCTION NOTES AND DETAILS OF STORM DRAIN OUTLET PROTECTION, SEE DRAINAGE DETAIL SHEET 1.
9. FOR CONSTRUCTION NOTES AND DETAILS OF BIORETENTION AREA, SEE DRAINAGE DETAIL SHEET 2.
10. FOR CONSTRUCTION NOTES AND DETAILS OF STONE CHECK DAMS, SEE EROSION CONTROL DETAIL SHEET 1.
11. NO PIPE OPTIONS WILL BE ALLOWED.

STONE CHECK DAMS  
FOR DETAILS, SEE  
EPC DETAIL  
SHEET 1



PROJECT NAME: FERRISBURGH/VERGS-FERRISBURGH	
PROJECT NUMBER: CMG PARK (15)S/STP EHO(21)	
FILE NAME: ...\\plo+files\18gradng.ptf	PLOT DATE: 4/19/2006
PROJECT LEADER: WLD	DRAWN BY: MBL/SRZ
DESIGNED BY: SAR	CHECKED BY: GAS
<b>GRADING AND DRAINAGE PLAN</b>	
SHEET 18 OF 65	