

**EXISTING DRAINAGE**

- 10 PNR 72+94.9 LT  
EXISTING PIPE - RETAIN
- 11 PNR 71+16.2 LT - PNR 76+02.2 LT  
EXISTING PIPE - RETAIN
- 12 PNR 75+62.5 LT - PNR 75+61.9 RT  
EXISTING PIPE - RETAIN
- 13 I-89 RAMP "B" 62+85.2 LT - I-89 RAMP "B" 63+32.9 LT  
EXISTING PIPE - RETAIN
- 6 INCH UNDERDRAIN**
- PNR 72+26.5 LT - PNR 73+26.3 LT  
NEW 6"X100' UNDERDRAIN
- PNR 72+29.5 LT - PNR 73+23.3 LT  
NEW 6"X118' UNDERDRAIN W/FB @ PNR 72+76.4 LT
- PNR 70+48.3 LT - PNR 71+16.4 LT  
NEW 6"X67' UNDERDRAIN W/FB @ 70+48.3 LT AND 71+16.4 LT
- PNR 73+50.0 RT - PNR 74+59.9 RT  
NEW 6"X135' UNDERDRAIN W/FB @ PNR 73+50.0 RT AND 74+17.0 RT
- 6" UNDERDRAIN CARRIER PIPE**
- PNR 75+61.9 RT - PNR 75+57.8 RT  
NEW 6"X12' UNDERDRAIN

**SPECIAL PROVISION  
(6 INCH UNDERDRAIN PIPE, DRY SWALE)**

- PNR 70+50.0 LT - PNR 72+17.9 LT  
NEW 6"X168' UNDERDRAIN  
W/FB @ PNR 70+50.0 LT AND 72+08.0 LT
- PNR 73+40.5 LT - PNR 76+14.5 LT  
NEW 6"X298' UNDERDRAIN  
W/FB @ PNR 73+45.0 LT AND 76+05.00 LT
- PNR 76+15.9 RT - PNR 75+57.8 RT  
NEW 6"X118' UNDERDRAIN  
W/FB @ PNR 76+16.47 RT
- PNR 74+59.90 RT - PNR 75+57.8 RT  
NEW 6"X106' UNDERDRAIN  
W/FB @ PNR 75+30.0 RT

**NEW DRAINAGE**

- PNR 72+26.5 LT - PNR 73+26.3 LT  
NEW 18" X 100' DUCTILE IRON PIPE, CEMENT LINED
- PNR 75+57.8 RT  
INSTALL NEW CB  
CUT EXISTING PIPE  
AS REQUIRED  
SEE SHEET 52 FOR  
ADDITIONAL INFORMATION

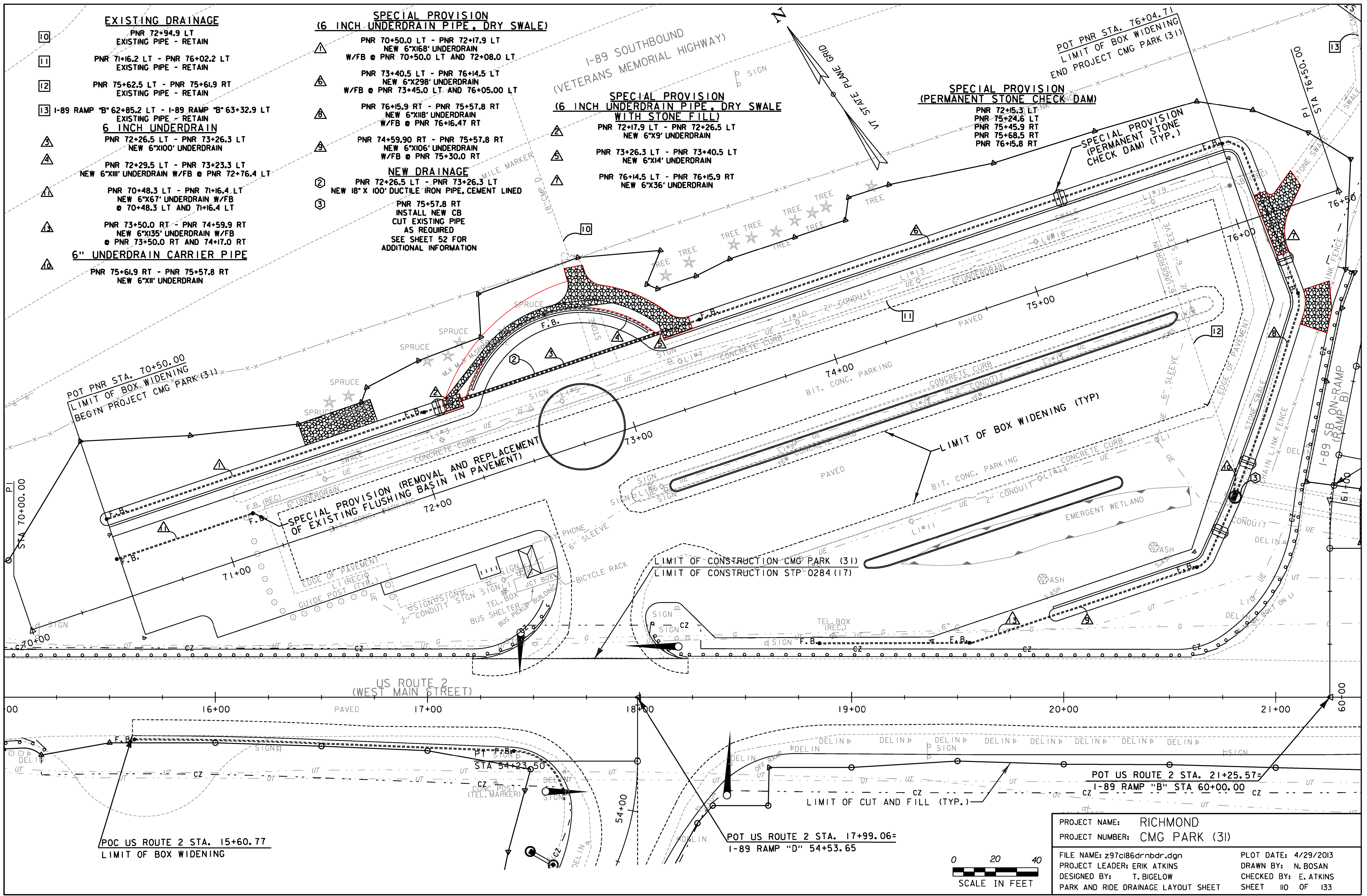
**SPECIAL PROVISION  
(6 INCH UNDERDRAIN PIPE, DRY SWALE  
WITH STONE FILL)**

- PNR 72+17.9 LT - PNR 72+26.5 LT  
NEW 6"X9' UNDERDRAIN
- PNR 73+26.3 LT - PNR 73+40.5 LT  
NEW 6"X14' UNDERDRAIN
- PNR 76+14.5 LT - PNR 76+15.9 RT  
NEW 6"X36' UNDERDRAIN

**SPECIAL PROVISION  
(PERMANENT STONE CHECK DAM)**

- PNR 72+15.3 LT
- PNR 75+24.6 LT
- PNR 75+45.9 RT
- PNR 75+68.5 RT
- PNR 76+15.8 RT

**SPECIAL PROVISION  
(PERMANENT STONE  
CHECK DAM (TYP.))**



PROJECT NAME: RICHMOND  
 PROJECT NUMBER: CMG PARK (31)  
 FILE NAME: z97cl86drnldr.dgn  
 PROJECT LEADER: ERIK ATKINS  
 DESIGNED BY: T. BIGELOW  
 PARK AND RIDE DRAINAGE LAYOUT SHEET

PLOT DATE: 4/29/2013  
 DRAWN BY: N. BOSAN  
 CHECKED BY: E. ATKINS  
 SHEET 110 OF 133