

BENCHMARKS:  
BM #1: COW Disc in top of curb adjacent to the fire hydrant at the SW corner of Yosemite and Lamp Cir.  
Elev. = 146.73 (City Datum)

BM #2: COW Disc in top of curb adjacent to the fire hydrant on the west side of Westgate along the southwesterly line of Lot 13, Block B, Southern Ridge Addition.  
Elev. = 144.10 (City Datum)

P.V.I.  
Elev. = 150.20  
No V.C.

P.V.I.  
Elev. = 151.05  
34' V.C.

P.V.I.  
Elev. = 150.50  
No V.C.

P.V.I.  
Elev. = 149.18  
No V.C.

P.V.I.  
Elev. = 149.90  
No V.C.

Sta 8+04.00, 45' Lt.  
Install metro D3 (SNS)  
assy as per City specs.  
"Greenfield" (W) &  
"Maize Rd" (S).

Sta 8+04.49, End construction of 5" A.C. pmt. W/5" reinf. rock base.

Regrade ditch to ensure positive drainage to the north in 120'.

Scale: 1" = 20'  
\* = Iron

Saw, cut, remove and replace 2' existing pavement as shown. To be incidental to "Site Clearing & Restoration".

Construct 5" A.C. mat pavement W/ 5" reinf. rock base.

Sta. 7+64.50 & 7+98.75, 11' Lt. Install R4-7 (keep right) & OM-1 sign.

Adjust Manhole Top From Elev. = 148.20 To Elev. = 149.45

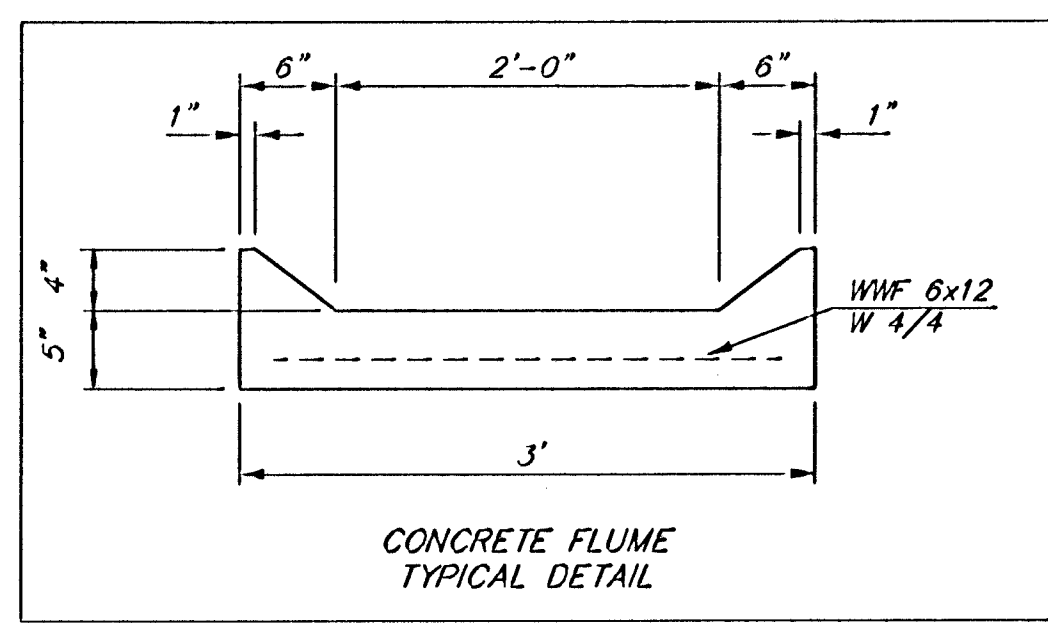
Sta 8+04.49, 23' Rt. Install R1-1 (stop) sign.

Construct 35' concrete flume per detail, this sheet, both sides (70 L.F. total).

Regrade ditch to ensure positive drainage to the south in 110'.

Install 1-25' Long 4" PVC pipe (Left) & 1-28.5' long 4" PVC pipe (Right) under pavement. Cap each end. Mark End of Pipes with Wooden Stake Painted Pink. Cost subsidiary to Pavement Cost.

NOTE: ROLL TYPE CURB & GUTTER TO BE CONSTRUCTED ON THE PAVEMENT SHOWN ON THIS SHEET. TOP OF CURB ELEVATIONS ARE GIVEN FOR FULL HEIGHT CURB.



Curve #2A  
Curve Data Based on Face of Curb  
Rad. = 320.14' Delta = 10° 51'05" Tangent = 30.41'  
Arc = 60.63' L.C. = 60.54' Del/Ft. = 5.36932 Min.

| Station | Arc    | FACE CHORD LENGTHS | 8' Lt.   | 8' Rt.   | T. Del.  |
|---------|--------|--------------------|----------|----------|----------|
| A       | 20.21' | 20.21'             | 0'00'00" | 0'00'00" | 0'00'00" |
| B       | 20.21' | 20.21'             | 1'48'31" | 1'48'31" | 1'48'31" |
| C       | 20.21' | 20.21'             | 1'48'31" | 3'37'01" | 3'37'01" |
| D       | 20.21' | 20.21'             | 1'48'31" | 5'25'32" | 5'25'32" |

Curve #2B  
Curve Data Based on Face of Curb  
Rad. = 167.8' Delta = 22° 17' 20" Tangent = 33.06'  
Arc = 65.28' L.C. = 64.82' Del/Ft. = 10.24306 Min.

| Station | Arc    | FACE CHORD LENGTHS | 8' Lt. | 8' Rt.   | T. Del.   |
|---------|--------|--------------------|--------|----------|-----------|
| H       | 21.76' | 22.78'             | 20.71' | 3'42'53" | 3'42'53"  |
| I       | 21.76' | 22.78'             | 20.71' | 3'42'53" | 7'25'46"  |
| J       | 21.76' | 22.78'             | 20.71' | 3'42'53" | 11'08'40" |
| K       | 21.76' | 22.78'             | 20.71' | 3'42'53" | 11'08'40" |

Curve #3A  
Curve Data Based on Face of Curb  
Rad. = 320.14' Delta = 10° 51'05" Tangent = 30.41'  
Arc = 60.63' L.C. = 60.54' Del/Ft. = 5.36932 Min.

| Station | Arc    | FACE CHORD LENGTHS | 8' Lt. | 8' Rt.   | T. Del.  |
|---------|--------|--------------------|--------|----------|----------|
| D       | 20.21' | 20.21'             | 19.70' | 1'48'31" | 1'48'31" |
| E       | 20.21' | 20.21'             | 19.70' | 1'48'31" | 3'37'01" |
| F       | 20.21' | 20.21'             | 19.70' | 1'48'31" | 5'25'32" |
| G       | 20.21' | 20.21'             | 19.70' | 1'48'31" | 5'25'32" |

Curve #3B  
Curve Data Based on Face of Curb  
Rad. = 197.21' Delta = 24° 25'06" Tangent = 42.67'  
Arc = 84.04' L.C. = 83.41' Del/Ft. = 8.71668 Min.

| Station | Arc    | FACE CHORD LENGTHS | 8' Lt.   | 8' Rt.   | T. Del.   |
|---------|--------|--------------------|----------|----------|-----------|
| K       | 21.01' | 21.01'             | 0'00'00" | 0'00'00" | 0'00'00"  |
| L       | 21.01' | 21.01'             | 21.85'   | 3'03'08" | 3'03'08"  |
| M       | 21.01' | 21.01'             | 21.85'   | 3'03'08" | 6'06'16"  |
| N       | 21.01' | 21.01'             | 21.85'   | 3'03'08" | 9'09'25"  |
| O       | 21.01' | 21.01'             | 21.85'   | 3'03'08" | 12'12'33" |

**Baughman** SOUTHERN RIDGE 3RD ADDITION - PH IV  
**GREENFIELD** STA 3+65.91 TO STA 8+64.49  
Baughman Company, P.A. 315 Ellis St. Wilkes-Barre, PA 18201  
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

| PROJECT NUMBER | DESIGN   | DRAWN    |
|----------------|----------|----------|
| 472-84267      | AEO      | TMS      |
| REVISIONS      | APPROVED | DATE     |
|                | AEO      | 10/12/05 |
|                | Noted    |          |
|                | SHEET    |          |

8 OF 19  
Southern Ridge 3rd/Phase 4/Str3 0508E314