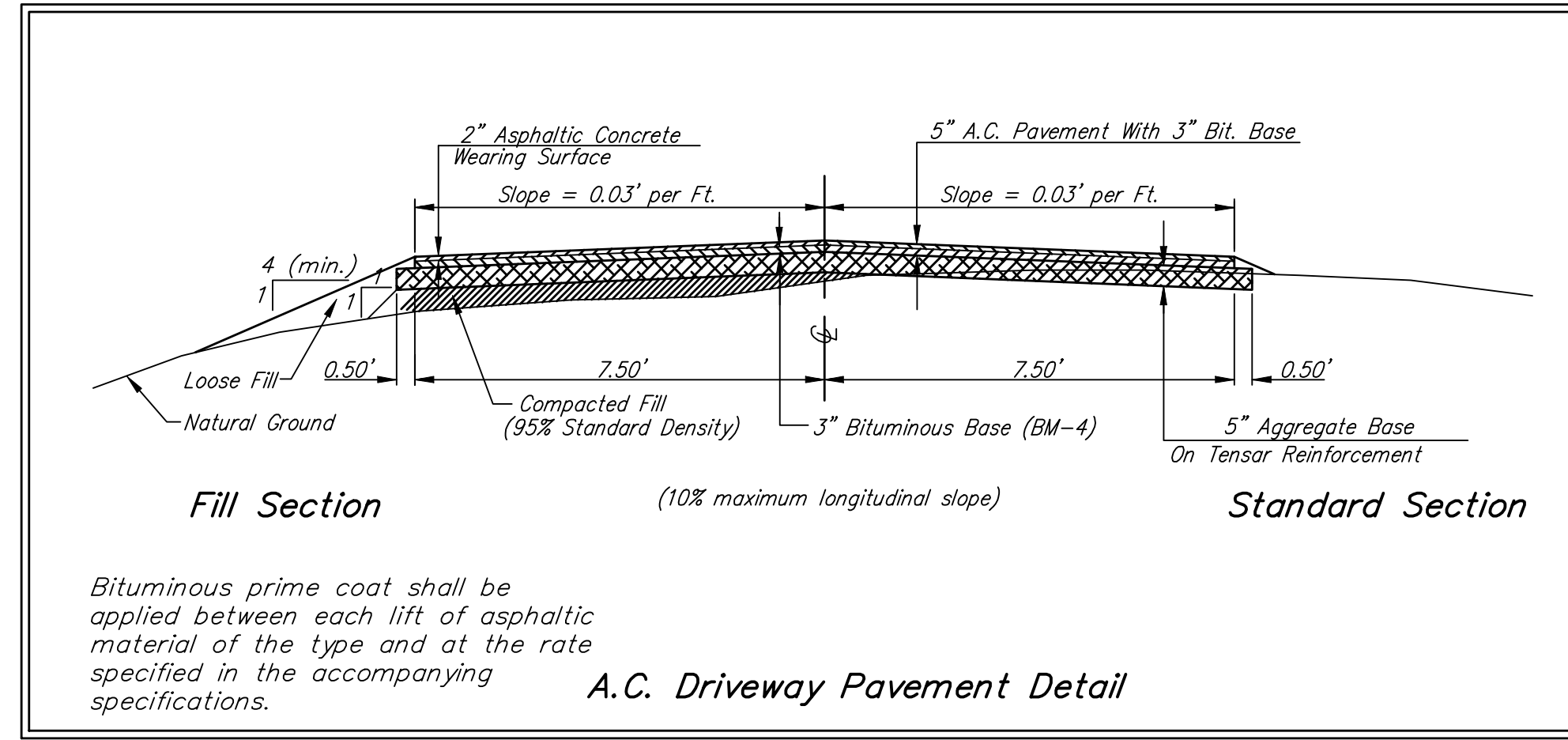


BENCHMARKS:
 BM #1: RR Spike on North Face of Power Pole approx. 1660' West of Ridge Road in South R/W of 37th St. N. Elev. = 1331.57

BM #2: "□" Cut Top of Curb Inlet on North Side of Northwind approx. 790' West of Ridge Road Elev. = 1331.06

BM #3: "□" Cut Top of Curb Inlet on North Side of Northwind approx. 290' West of Ridge Road Elev. = 1329.88



Contractor to contact Mike Popp, 729-0919 one week prior to construction to coordinate private drive construction and access.

POPP, MICHAEL W. & ANW L
 7717 W 37TH N
 WICHITA, KS 67205-9300

Approximate Earthwork Quantities for Driveway
 Excavation = 40 C.Y.
 Loose Fill = 52 C.Y.
 Compacted Fill = 94 C.Y.

Construct 330 S.Y. of 5" A.C. Pvmnt. w/ 5" Reinf. Rock Base as shown.

Remove Existing Rock/Gravel Drive. Fill, Compact, and Smooth grade area with best available topsoil. Area to be permanent seeded. Rock/Gravel Material may be re-used in 5" Reinforced Rock subgrade for driveway. Cost of drive removal, filling, compaction, grading shall be incidental to bid item "Private Rock Drive Removal".

Transition from no Curb & Gutter to Full Height Curb & Gutter in 10.00' (Both Sides)

Construct Full Height Curb & Gutter (2.0' W & 6-5/8" H)

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

Sta 34+96.00, 24' Lt. Install Metro (SNS) ass'y as per City specs. "37th St N (7700 W)" & "Wild Rose Cir (3402-3702)".

Sta 34+82.00, 19' Rt. Install R1-1 (stop) sign.

Install R4-7 (Keep Right) & OM-1 sign. (4 Locations as Shown)

Install R4-7 (Keep Right) & OM-1 sign. (4 Locations)

4" PVC Pipe to be installed (8 Locations, 4 @ 25 L.F. & 4 @ 20 L.F.) Cap each end. Mark End of Pipes with Wooden Stake Painted Pink. Cost subsidiary to Pavement Cost

Platted Centerline
 Centerline of pvmnt.

* Curb inlets will not be standard. Hookups will be half the length and depth of standard hookups. This shall be taken into account when placing 4" PVC underdrain pipes.

Curve #4R
 Curve Data Based on Face of Curb
 Rad. = 80' Delta = 58° 37' 11" Tangent = 44.91'
 Arc = 81.84' L.C. = 78.33' Def/Ft. = 21.48817 Min.

| Station | Arc | FACE CHORD LENGTHS | Def. | T. Def. |
|---------|--------|--------------------|----------|-----------|
| A | - | - | 0'00"00" | 0'00"00" |
| B | 7.30' | 8.03' | 2'36"52" | 2'36"52" |
| C | 6.08' | 6.69' | 2'10"39" | 4'47"30" |
| D | 18.00' | 19.76' | 6'26"47" | 11'14"18" |
| E | 4.82' | 5.30' | 1'43"34" | 12'57"52" |
| F | 22.82' | 25.02' | 8'10"21" | 21'08"14" |
| G | 22.82' | 25.02' | 8'10"21" | 29'18"35" |

Curve #4L
 Curve Data Based on Face of Curb
 Rad. = 35' Delta = 68° 51' 47" Tangent = 23.99'
 Arc = 42.08' L.C. = 39.58' Def/Ft. = 49.09438 Min.

| Station | Arc | FACE CHORD LENGTHS | Def. | T. Def. |
|---------|--------|--------------------|-----------|-----------|
| H | - | - | 0'00"00" | 0'00"00" |
| I | 8.08' | 6.22' | 6'36"41" | 6'36"41" |
| J | 9.64' | 7.41' | 7'53"16" | 14'29"57" |
| K | 7.36' | 5.67' | 6'01"20" | 20'31"17" |
| L | 17.00' | 12.98' | 13'54"36" | 34'25"53" |

Curve #5L
 Curve Data Based on Face of Curb
 Rad. = 79.5' Delta = 10° 14' 35" Tangent = 7.13'
 Arc = 14.21' L.C. = 14.19' Def/Ft. = 21.62503 Min.

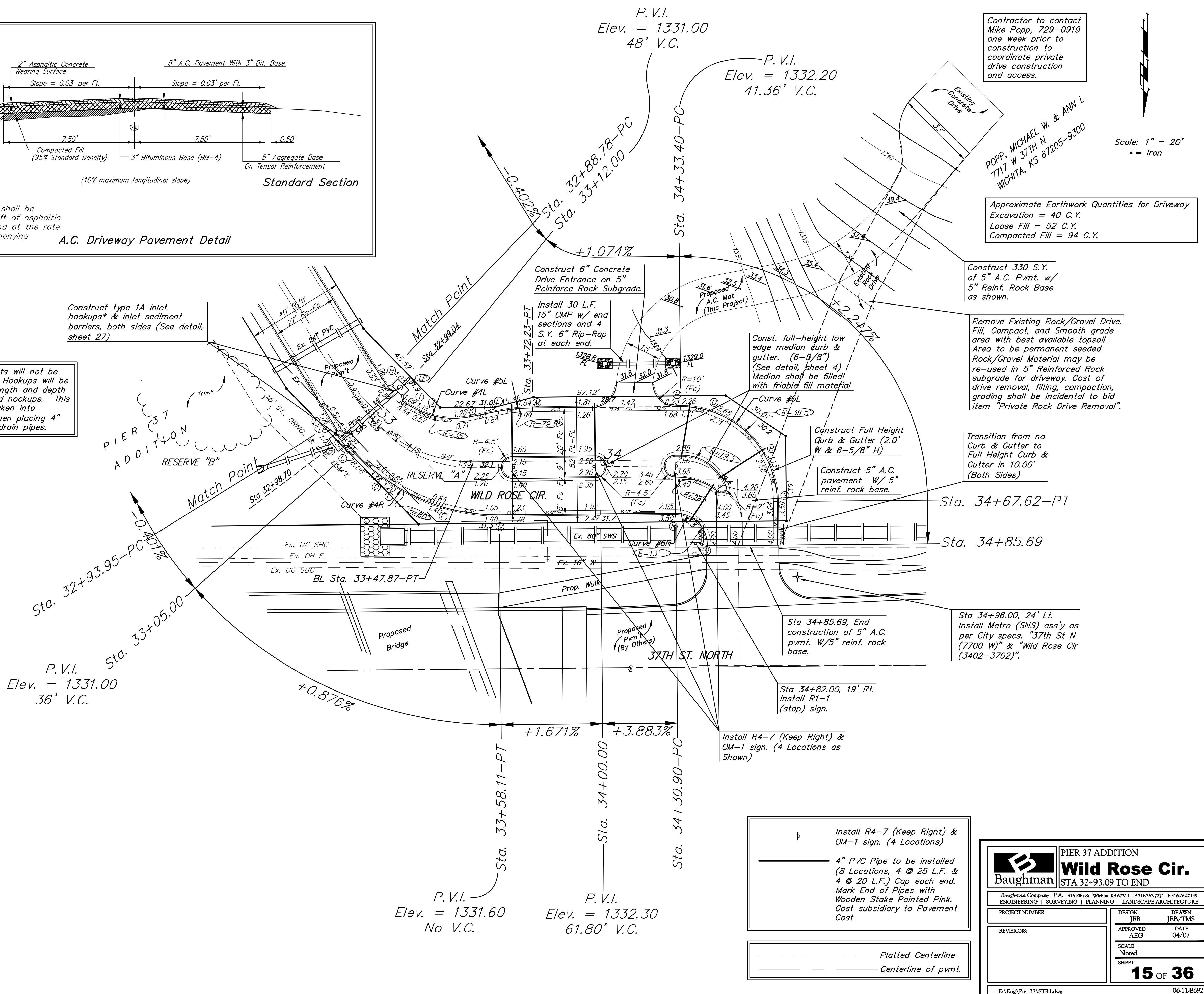
| Station | Arc | FACE CHORD LENGTHS | Def. | T. Def. |
|---------|--------|--------------------|----------|----------|
| M | - | - | 0'00"00" | 0'00"00" |
| N | 14.21' | 15.62' | 5'07"17" | 5'07"17" |

Curve #6R
 Curve Data Based on Face of Curb
 Rad. = 13' Delta = 90°00'15" Tangent = 13.00'
 Arc = 20.42' L.C. = 18.39' Def/Ft. = 132.22940 Min.

| Station | Arc | FACE CHORD LENGTHS | Def. | T. Def. |
|---------|--------|--------------------|-----------|-----------|
| O | - | - | 0'00"00" | 0'00"00" |
| P | 20.42' | 7.07' | 45'00"07" | 45'00"07" |

Curve #6L
 Curve Data Based on Face of Curb
 Rad. = 39.5' Delta = 90°00'00" Tangent = 39.50'
 Arc = 62.04' L.C. = 55.86' Def/Ft. = 43.52031 Min.

| Station | Arc | FACE CHORD LENGTHS | Def. | T. Def. |
|---------|--------|--------------------|-----------|-----------|
| Q | - | - | 0'00"00" | 0'00"00" |
| R | 20.68' | 24.59' | 14'59"60" | 14'59"60" |
| S | 20.68' | 24.59' | 14'59"60" | 29'59"60" |
| T | 20.68' | 24.59' | 14'59"60" | 45'00"00" |



Scale: 1" = 20'
 • = Iron

PIER 37 ADDITION
Wild Rose Cir.
 STA 32+93.09 TO END

Baughman
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: _____ DESIGN: _____ DRAWN: _____
 APPROVED: _____ DATE: 04/07
 SCALE: Noted
 SHEET: 15 OF 36

E:\Eng\Pier 37\STR1.dwg 06-11-2009