

BENCHMARKS:
 "□" Cut in middle of N headwall of RCBC on 21st St. North. 1004.3' W & 22.1' N of SE Cor., SE 1/4, Sec. 2, T-27-S, R-2-E. Elev. = 173.23 City Datum

RR spike in N. face of power pole 840.0' west of C.L. of Castle Rock and 48.7' south of C.L. of 21st St. N. Elev. = 182.03 City Datum

Valve Box Elev. = 173.50

Sta 0+60.00, Begin construction of 5" A.C. Pmnt. W/5" Reinf. Rock Base and 4' Sidewalk.

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

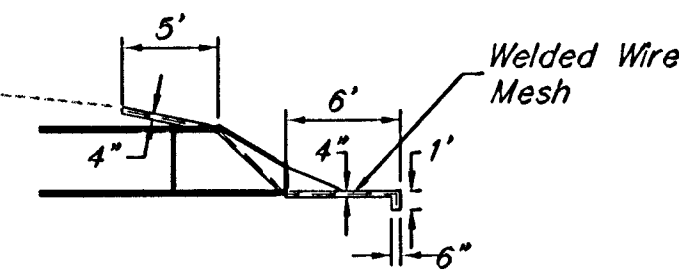
Install 100.0 L.F. 24" RCP W/ end sections. Install Concrete End Section Apron (Both Ends). (See Detail, This Sheet)

Construct 5" A.C. Mat Pavement W/ 5" Reinf. Rock Base.

Regrade ditch to ensure positive drainage in 70', both sides

Sta 0+62.00, 40' Rt. Install Metro D3 (SNS) Ass'y as per City specs. "21st St N (1400 E)" & "Castle Rock (2200 N)".

Install 4" Wire Mesh Reinforced Concrete
 Warp Concrete to Match Concrete End Section



Concrete End Section Apron
 Not to Scale
 (Cost to be incidental to Bid Item "24" RCP")

Curve #1A
 Curve Data Based on Centerline
 Rad. = 200' Delta = 10' 18' 17" Tangent = 18.03'
 Arc = 35.97' L.C. = 35.92' Def/Ft. = 8.59443 Min.

Station	Arc	8' Lt.	Def.	T. Def.
A	-	-	0'00'00"	0'00'00"
B	35.97'	37.36'	5'09'08"	5'09'08"

Curve #1B
 Curve Data Based on Centerline
 Rad. = 200' Delta = 10' 18' 17" Tangent = 18.03'
 Arc = 35.97' L.C. = 35.92' Def/Ft. = 8.59443 Min.

Station	Arc	8' Rt.	Def.	T. Def.
C	-	-	0'00'00"	0'00'00"
D	35.97'	37.36'	5'09'08"	5'09'08"

Curve #2A
 Curve Data Based on Centerline
 Rad. = 100' Delta = 12'02' 40" Tangent = 10.55'
 Arc = 21.02' L.C. = 20.98' Def/Ft. = 17.18998 Min.

Station	Arc	8' Lt.	Def.	T. Def.
E	-	-	0'00'00"	0'00'00"
F	21.02'	19.30'	6'01'20"	6'01'20"

Curve #2B
 Curve Data Based on Centerline
 Rad. = 250' Delta = 8'06' 15" Tangent = 17.71'
 Arc = 35.36' L.C. = 35.33' Def/Ft. = 6.87571 Min.

Station	Arc	8' Rt.	Def.	T. Def.
G	-	-	0'00'00"	0'00'00"
H	35.36'	34.20'	4'03'07"	4'03'07"

Scale: 1" = 20'
 • = Iron

Curve #3
 Curve Data Based on Centerline
 Rad. = 350' Delta = 47' 33' 52" Tangent = 154.24'
 Arc = 290.56' L.C. = 282.28' Def/Ft. = 4.91098 Min.

Station	Arc	FACE CHORD LENGTHS	8' Lt.	8' Rt.	Def.	T. Def.
1+75.00	-	-	-	-	0'00'00"	0'00'00"
2+00.00	25.00'	23.21'	26.78'	20'24'6"	2'02'46"	2'02'46"
2+05.83	5.83'	5.41'	6.25'	0'28'38"	2'31'24"	2'31'24"
2+47.30	41.47'	38.48'	44.41'	3'23'39"	5'55'04"	5'55'04"
2+88.77	41.47'	38.48'	44.41'	3'23'39"	9'18'43"	9'18'43"
3+00.00	11.23'	10.43'	12.03'	0'55'09"	10'73'52"	10'73'52"
3+25.00	25.00'	23.21'	26.78'	2'02'46"	12'16'59"	12'16'59"
3+50.00	25.00'	23.21'	26.78'	2'02'46"	14'19'25"	14'19'25"
3+75.00	25.00'	23.21'	26.78'	2'02'46"	16'22'12"	16'22'12"
4+00.00	25.00'	23.21'	26.78'	2'02'46"	18'24'58"	18'24'58"
4+25.00	25.00'	23.21'	26.78'	2'02'46"	20'27'44"	20'27'44"
4+50.00	25.00'	23.21'	26.78'	2'02'46"	22'30'31"	22'30'31"
4+65.56	15.56'	14.45'	16.67'	1'16'25"	23'46'56"	23'46'56"

P.V.I.
 Elev. = 173.90
 40.38' V.C.

Construct std. type 1A inlet hookups & inlet sediment barriers, both sides (See detail, sheet 17). Adjust inlet top to match proposed grade, both sides. To be bid as "inlet Adjustment".

P.V.I.
 Elev. = 175.40
 52.42' V.C.

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.

BAUGHMAN
 Engineering | Surveying | Planning | Landscape Architecture

KRUG NORTH ADDITION - PHASE I
CASTLE ROCK
 STA 0+00 TO STA 4+65.56

PROJECT NUMBER
 47283973

DESIGN
 NBW

APPROVED
 DATE
 05/04

REVISIONS

SCALE
 Noted
 SHEET

7 OF 30

KrugNorth/Sta1 0407-E848