STREET IMPROVEMENTS FOR

BAY COUNTRY

Private Project Number

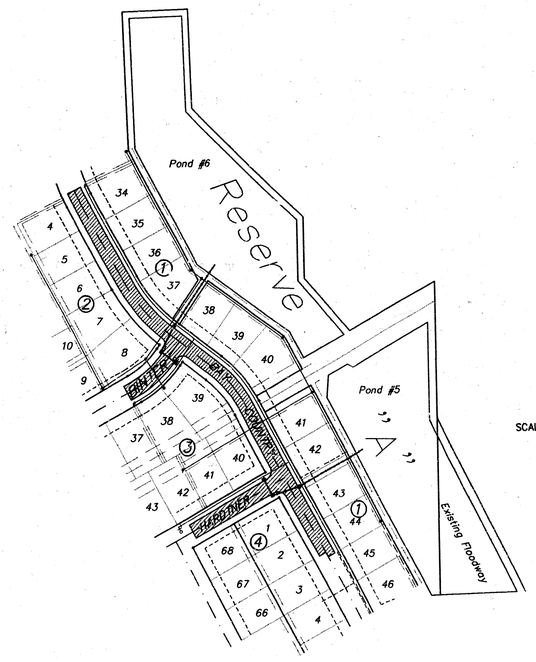
PAVEMENT - #066 PPP STORM SEWER - #315 PPS

CITY OF WICHITA, KANSAS

Michael E. Lindebak City Engineer

General Notes

1. The contractor shall adjust water valve boxes as necessary as directed by the Engineer. Any such adjustments shall be incidental to the project. Water valves, valve boxes and fire hydrants damaged during construction shall be repaired by the contractor at his own expense.
2. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
3. The Contractor shall notify pipeline companies at least 48 hours in advance of any work being performed over and/or adjacent to pipelines.
4. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.
5. The Contractor shall give all property owners and/or tenants of developed property abutting the project limits a minimum of 48 hours notice prior to start of construction.
6. Traffic will not be affected by this project.



SCALE: 1" = 150'

Project Area

Sheet Index

1. Title Sheet
2. Typical Section
3–4. Bay Country Paving Plan
5. Hardtner Paving Plan
6. Binter Paving Plan
7–8. Incidental Drainage
9. Pond Improvement Plan
10. Type 1A Inlet Detail

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____

Storm Sewers Dan Schneider

Driveway Approaches _____

Water Mains _____

Paving Dan Schneider

Booked
8192
mcg

THOMAS CHARLES HIGGINS
LICENSED
3821
KANSAS
PROFESSIONAL ENGINEER

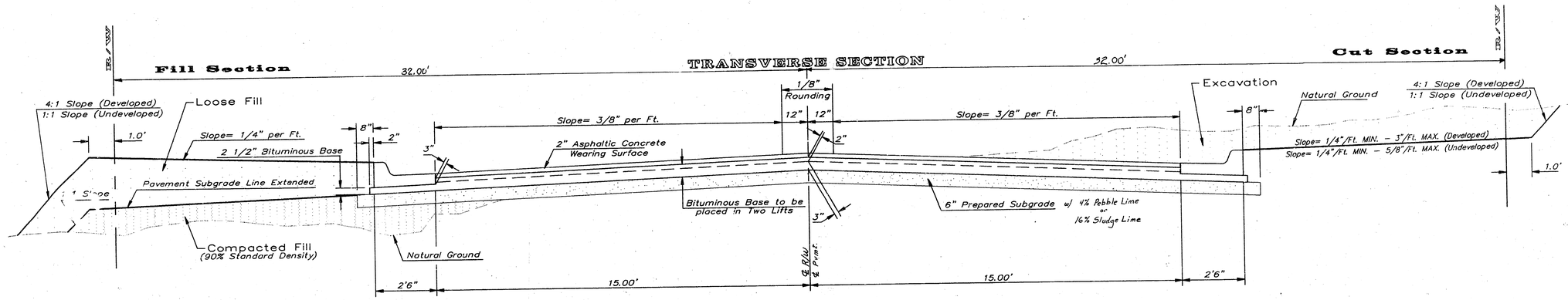
NOTE TO CONTRACTORS

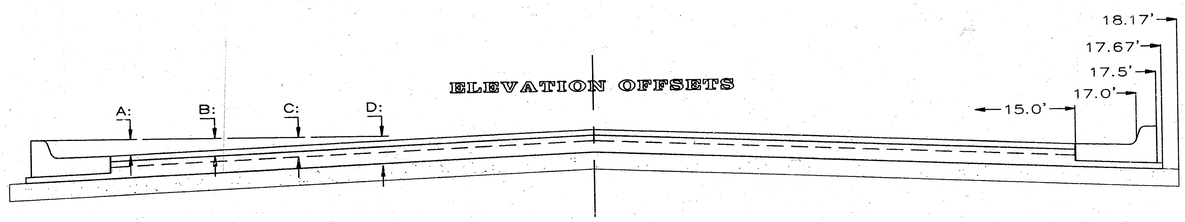
Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by the City Engineer.

BAUGHMAN COMPANY P. A.
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10-23-91

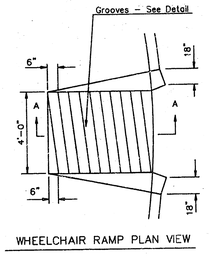
TYPICAL 35' B-B PAVEMENT DETAILS



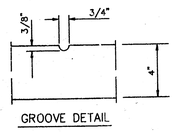


DISTANCE FROM CENTERLINE (LT. & RT.)

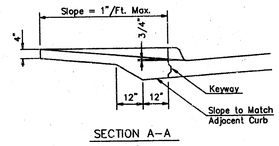
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	17.67'	18.17'
A: Top of Curbs to Top of Surface Lift	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	–	–	–	–
B: Top of Curbs to Top of Upper Base Lift	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	–	–	–	–
C: Top of Curbs to Top of Lower Base Lift	0.37	0.43	0.50	0.57	0.67	0.72	0.79	0.87	0.90	0.98	1.00	1.00	–
D: Top of Curbs to Top of Subgrade	0.62	0.67	0.74	0.81	0.90	0.95	1.02	1.08	1.12	1.19	1.21	1.21	1.23



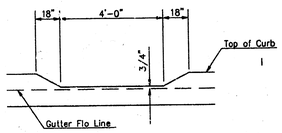
WHEELCHAIR RAMP PLAN VIEW



GROOVE DETAIL

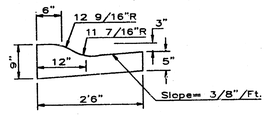


SECTION A-A

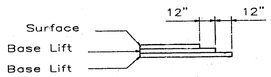


DEPRESSED CURB DETAIL

WHEELCHAIR RAMP DETAIL

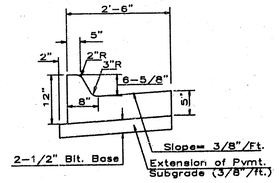


COMBINED ROLL TYPE CURB & GUTTER (3 3/8")



TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavements at locations where pavement joins existing flexible base pavement as shown by the detail. All costs associated with the construction of the transverse joint shall be included in the bid price for Square Yards 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).



Combined curb & gutter (6-5/8")

General Notes

1. The ASPHALTIC CONCRETE PAVEMENT between the Combined Curb and Gutter shall be paid as Square Yards of 7" ASPHALTIC CONCRETE (5" Bituminous Base).
2. The Bituminous Base under and behind the Comb. Curb and Gutter shall be paid as Square Yards of 2 1/2" Bituminous Base.
3. A Tack Coat of EMULSIFIED ASPHALT (SC-1H OR CSS-1H) shall be applied at an approximate rate of 0.05 Gallons per square yard between each lift of ASPHALTIC MATERIAL.
4. Bituminous Base and Asphaltic Concrete Wearing Surface shall be placed with a laydown machine having Automatic Controls for LINE and GRADE.
5. Construction Joints in each lift shall be staggered a MINIMUM DISTANCE of ONE (1) FOOT from joints in preceding lifts and placed so that a joint will be constructed on the centerline of the Top Lift.
6. Contractor to bid only one subgrade treatment alternate when alternates are provided in the proposal and contract. The alternate chosen by the successful bidder shall be used in constructing this project.

7 INCH Residential Asphaltic Concrete Pavement with 5 INCH Bituminous Base
City of Wichita, Kansas

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
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REV.

PROJECT NUMBER 066 PPP

SHEET 2 OF 10

DESIGN	DRAWN	APPROVED	DATE	SCALE
T.C.R.	B.P.		B.P.	NONE

BENCH MARK: R.R. Spike in HLP Located at the N.E. Corner Lot 30, Block 1 Bay Country. Elev. = 154.44

BENCH MARK: "□" Cut in top of Curb Located at the N.W. Corner Lot 45, Block 1 Bay Country. Elev. = 153.87

BAY COUNTRY

SCALE: 1" = 20'
• = IRON

P.V.I. Elev. 154.25 50' V.C.

P.V.I. Elev. 154.42 28.65' V.C.

Sta. 0+18.30 — Sta. 0+60.00 — Sta. 1+73.00 — Sta. 2+10.00 — Sta. 2+47.00 — Sta. 3+85.41—P.C. — Sta. 5+02.90 — P.T.

Match Line

+0.62% | −0.416% | +0.340% | −0.667%

64' R/W
34' Fc–Fc
HARDTNER
15" RCP
21" RCP
Iron @ Sta. 2+42.00
20' R. Face
Iron @ Sta. 1+78.00
Construct Wheelchair Ramp (Both Sides)
Construct Standard 1A Inlet Hookup (Both Sides)
Construct 4' Concrete Sidewalk
Construct Std. Combined Curb & Gutter (6–5/8") (Both Sides)
15' Building Setback
25' Building Setback
20' Util. Esm't
5' Util. Esm't
40' Phillips Pipeline Co. Esm't
Building Setback
Caution 4 Pipelines
Existing 7" A.C. Pavement
Match
Caution Gas Line
Gas Line
Existing 8" Water
8" W
Valve Box Elev. = 153.78
8" Water Main by others
Fire Hydrant Valve Box Elev. = 153.98
Construct Standard 1A Inlet Hookup
Construct 7" A.C. Pavement (5" Bituminous Base)
Construct Storm Sewer Line 1, See Incidental Drg., Sheet 7, and Pond Improvements, Sheet 9.
Kansas Natural Gas (2) 8" pipelines to be lowered prior to water main and pvmt. construction (By KNG)
232' R.
264' R.
281' R.
296' R.
247' R.

Sta. 0+07.00 — Sta. 0+60.00 — Sta. 1+78.00 — Sta. 3+85.41—P.C. — Sta. 5+02.90 — P.T.

+0.62% | −0.424% | +0.323% | −0.615%

P.V.I. Elev. 154.25 50' V.C.

P.V.I. Elev. 153.75 No V.C.

P.V.I. Elev. 154.42 30.53' V.C.

Curve #1
CURVE DATA BASED ON CENTERLINE

R = 264.00' Delta = 25°29'55" Tan. = 59.73'
Arc = 117.49' L.C. = 116.52' Defl/ft = 6.5108 Min.

STATION	ARC	CHD. LENGTHS 8' Lt. FC.	CHD. LENGTHS 8' Rt. FC.	DEFL.	TOTAL DEFL.
3+85.41– P.C.	–	–	–	00°00'00"	00°00'00"
4+00	14.59	13.21	15.97	01°35'00"	01°35'00"
+25	25	22.62	27.36	02°42'46"	04°17'46"
+50	25	22.62	27.36	02°42'46"	07°00'32"
+75	25	22.62	27.36	02°42'46"	09°43'18"
5+02.90– P.T.	27.90	25.25	30.53	03°01'40"	12°44'58"

BAY COUNTRY
BAY COUNTRY

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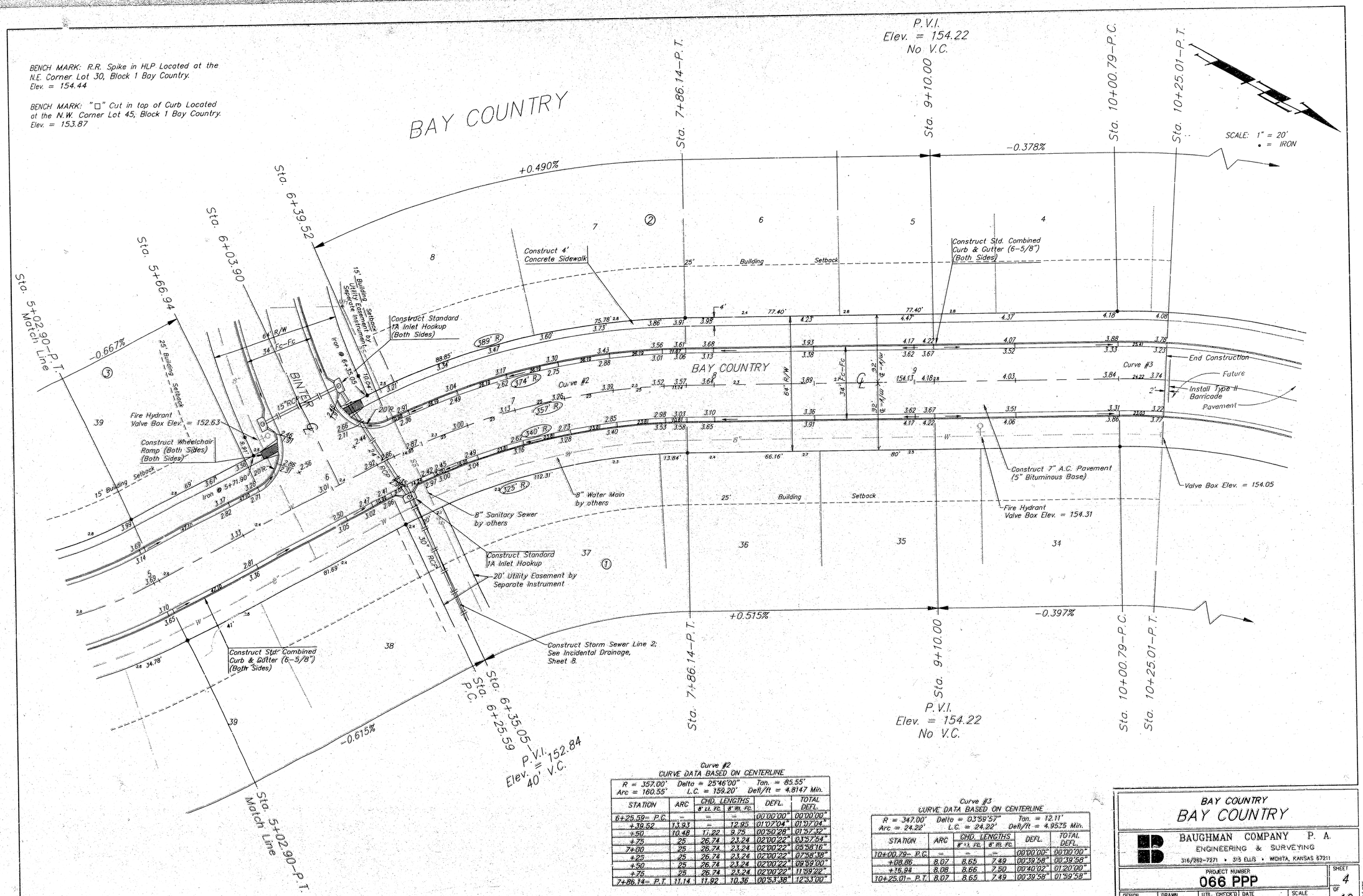
PROJECT NUMBER 066 PPP

SHEET 3 OF 10

DESIGN	DRAWN	UTIL. CHECK'D	DATE	SCALE
T.C.R.	B.P.		Oct. 1991	NOTED

BENCH MARK: R.R. Spike in HLP Located at the N.E. Corner Lot 30, Block 1 Bay Country. Elev. = 154.44

BENCH MARK: "□" Cut in top of Curb Located at the N.W. Corner Lot 45, Block 1 Bay Country. Elev. = 153.87



Curve #2
CURVE DATA BASED ON CENTERLINE

R = 357.00' Delta = 25°46'00" Tan. = 85.55'
Arc = 160.55' L.C. = 159.20' Defl/ft = 4.8147 Min.

STATION	ARC	CHD. LENGTHS 8" Lt. FC.	CHD. LENGTHS 8" Rt. FC.	DEFL.	TOTAL DEFL.
6+25.59– P.C.	–	–	–	00°00'00"	00°00'00"
+39.52	13.93	=	12.95	01°07'04"	01°07'04"
+50	10.48	11.22	9.75	00°50'28"	01°57'32"
+75	25	26.74	23.24	02°00'22"	03°57'54"
7+00	25	26.74	23.24	02°00'22"	05°58'16"
+25	25	26.74	23.24	02°00'22"	07°58'38"
+50	25	26.74	23.24	02°00'22"	09°59'00"
+75	25	26.74	23.24	02°00'22"	11°59'22"
7+86.14– P.T.	11.14	11.92	10.36	00°53'38"	12°53'00"

Curve #3
CURVE DATA BASED ON CENTERLINE

R = 347.00' Delta = 03°59'57" Tan. = 12.11'
Arc = 24.22' L.C. = 24.22' Defl/ft = 4.9525 Min.

STATION	ARC	CHD. LENGTHS 8" Lt. FC.	CHD. LENGTHS 8" Rt. FC.	DEFL.	TOTAL DEFL.
10+00.79– P.C.	–	–	–	00°00'00"	00°00'00"
+08.86	8.07	8.65	7.49	00°39'58"	00°39'58"
+16.94	8.08	8.66	7.50	00°40'02"	01°20'00"
10+25.01– P.T.	8.07	8.65	7.49	00°39'59"	01°59'58"

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BAY COUNTRY

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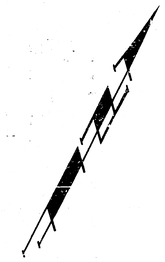
PROJECT NUMBER 066 PPP

SHEET 4 OF 10

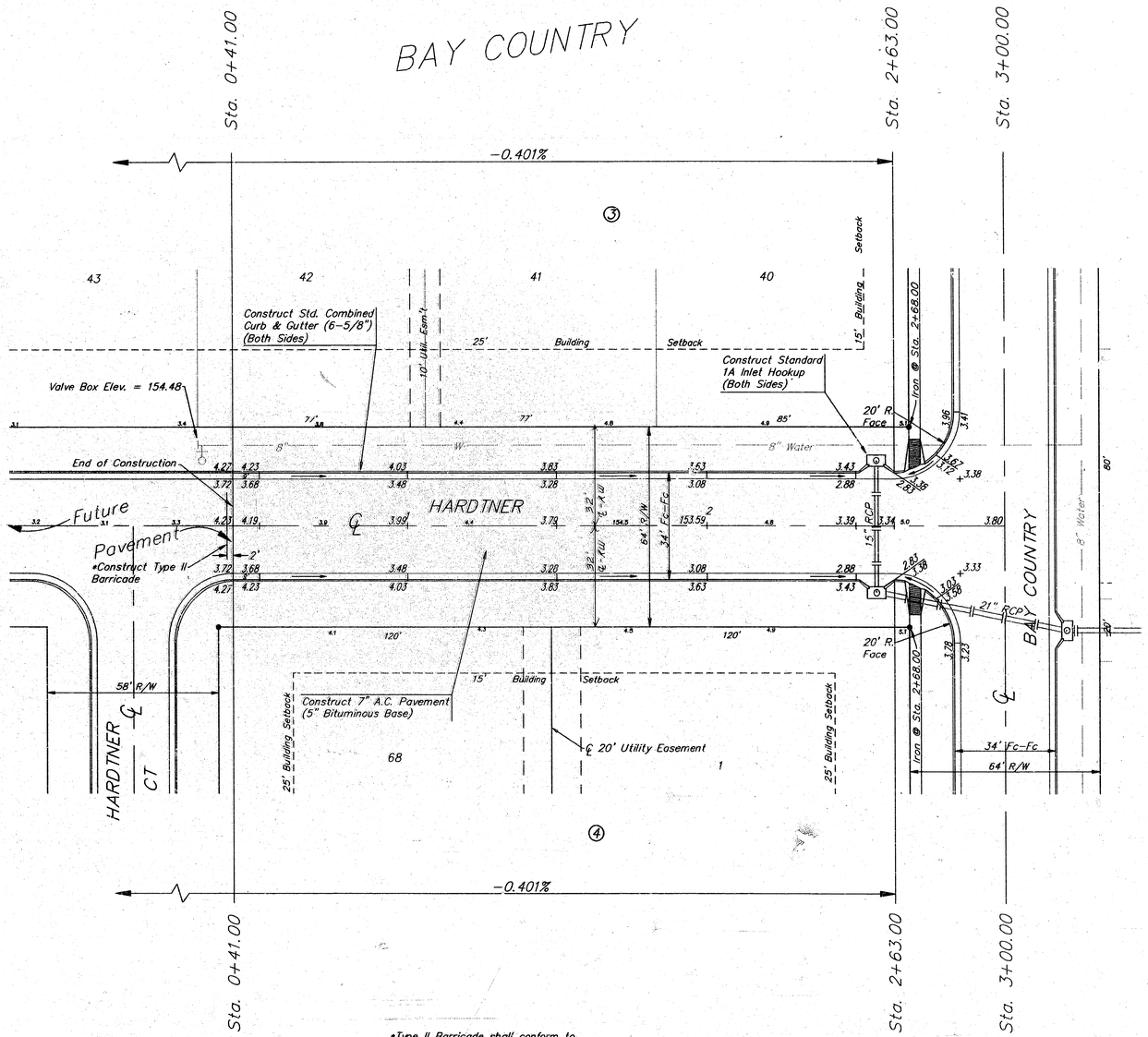
DESIGN	DRAWN	UTIL. CHECK'D	DATE	SCALE
T.C.R.	B.P.		Oct. 1991	NOTED

BENCH MARK: R.R. Spike in HLP Located at the N.E. Corner Lot 30, Block 1 Bay Country. Elev. = 154.44

BENCH MARK: "□" Cut in top of Curb Located at the N.W. Corner Lot 45, Block 1 Bay Country. Elev. = 153.87



SCALE: 1" = 20'
• = IRON



*Type II Barricade shall conform to the latest edition of the "Manual on Uniform Traffic Control Devices".

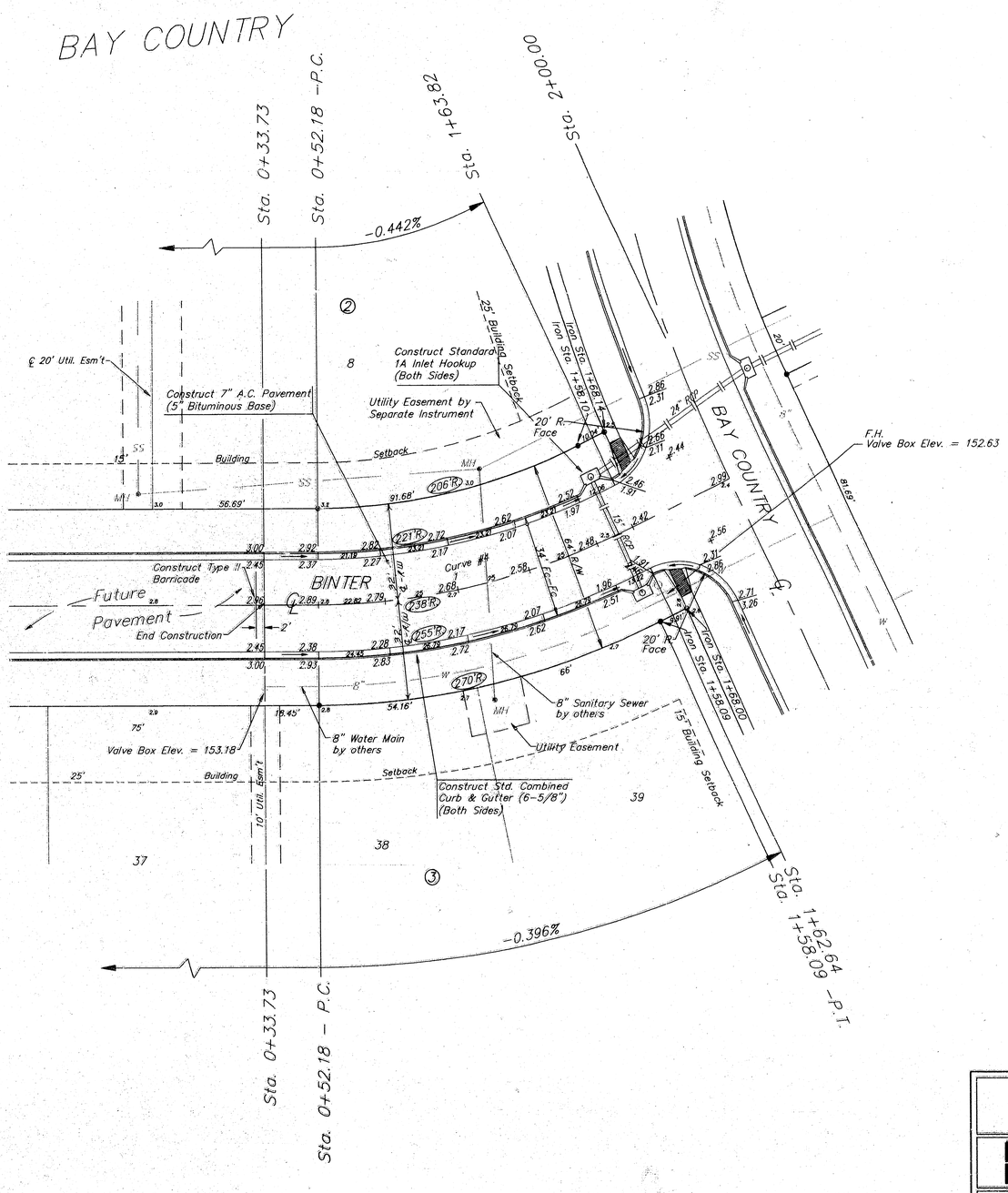
BAY COUNTRY
HARDTNER

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ENGINEERING & SURVEYING
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PROJECT NUMBER					SHEET
066 PPP					5 OF 10
DESIGN	DRAWN	UTIL. CHECK'D	DATE	SCALE	
T.C.R.	B.P.		Oct. 1991	NOTED	

BENCH MARK: R.R. Spike in HLP Located at the N.E. Corner Lot 30, Block 1 Bay Country. Elev. = 154.44

BENCH MARK: "□" Cut in top of Curb Located at the N.W. Corner Lot 45, Block 1 Bay Country. Elev. = 153.87



SCALE: 1" = 20'
• = IRON

Curve #4
CURVE DATA BASED ON CENTERLINE

R = 238.00' Delta = 25°29'55" Tan. = 53.85'
Arc = 105.5' L.C. = 105.05' Defl/ft = 7.2220 Min.

STATION	ARC	CHD. LENGTHS 8' Lt. Fc.	CHD. LENGTHS 8' Rt. Fc.	DEFL.	TOTAL DEFL.
0+41.30- P.C.	-	-	-	00°00'00"	00°00'00"
+50	8.70	7.25	8.95	00°58'30"	00°58'30"
+75	25	22.36	27.61	03°00'33"	03°59'03"
1+00	25	22.35	27.61	03°00'33"	06°59'36"
+25	25	22.36	27.61	03°00'33"	10°00'09"
1+47.82- P.T.	22.82	20.42	25.21	02°44'49"	12°44'58"

BAY COUNTRY
BINTER

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PROJECT NUMBER	SHEET
066 PPP	6 OF 10

DESIGN	DRAWN	UTIL. CHECK'D	DATE	SCALE
T.C.R.	B.P.		Oct. 1991	NOTED