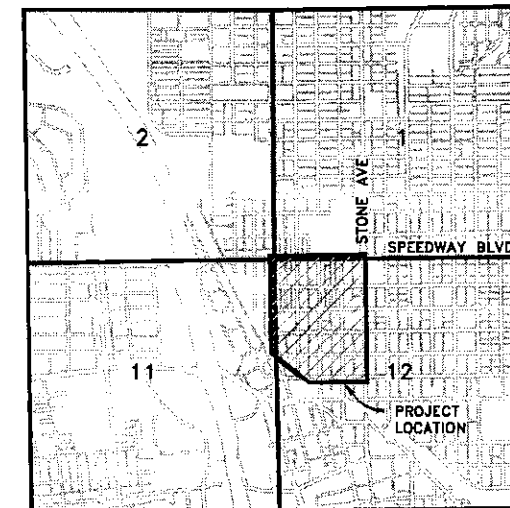


DUNBAR SPRING NEIGHBORHOOD PIMA COUNTY NEIGHBORHOOD REINVESTMENT GRANT PROJECT DESIGN

GENERAL PROJECT DESCRIPTION

THIS PROJECT INCLUDES THE CONSTRUCTION OF CHICANES, TRAFFIC CIRCLES, ON-STREET PARKING STRIPING, TWO SPEED HUMPS, AND REMOVAL OF TWO SPEED HUMPS BETWEEN MAIN AVENUE EAST TO STONE AVENUE AND FROM 6TH STREET NORTH TO SPEEDWAY BOULEVARD.

R13E R13E

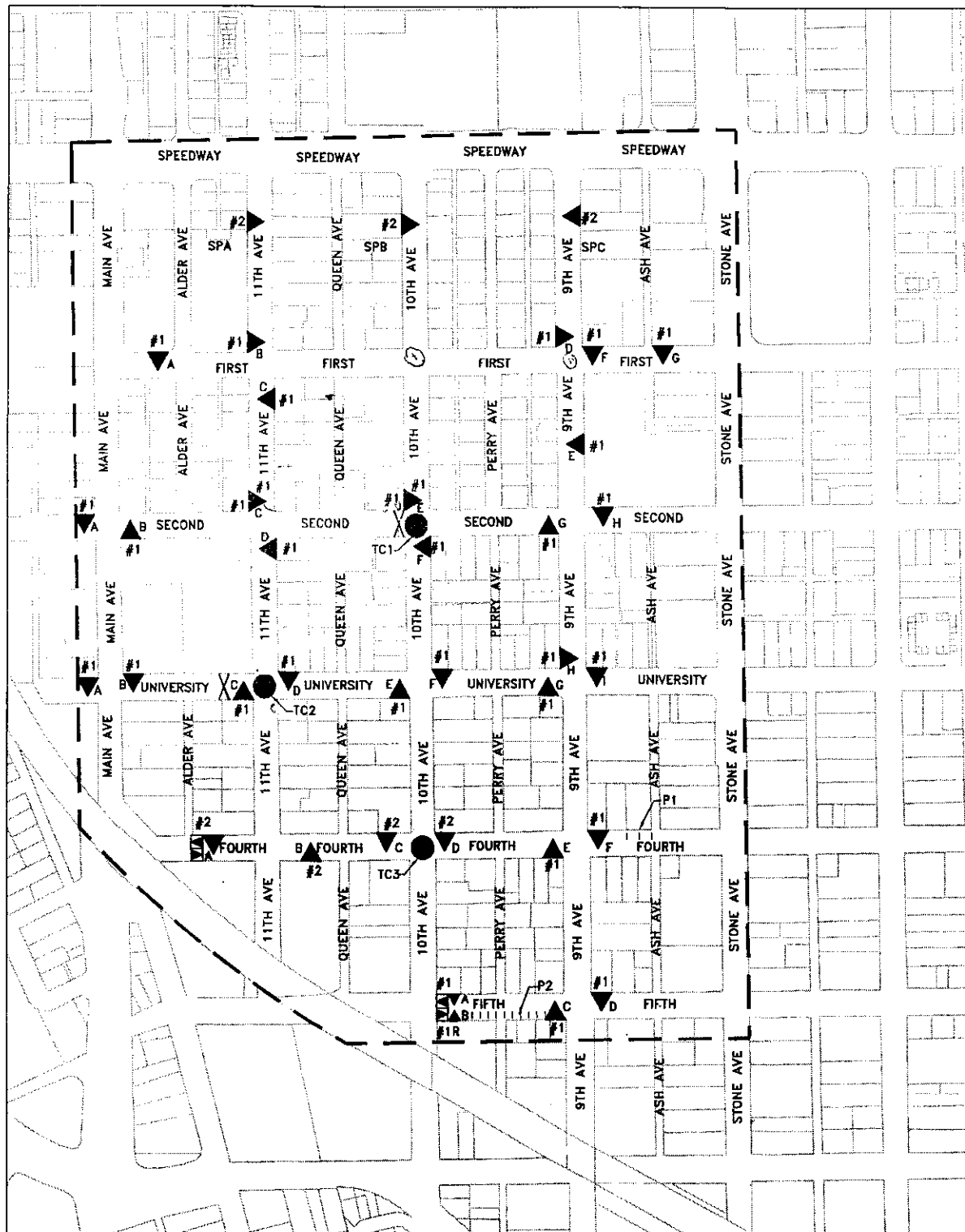


LOCATION MAP

SECTION 01, T14S, R13E
GILA AND SALT RIVER MERIDIAN
PIMA COUNTY, ARIZONA
SCALE: 3" = 1 MILE

LEGEND

- ▲ PROPOSED CURB CHICANE PER DETAIL C1, C2 TYPE PER PLAN.
- PROPOSED TRAFFIC CIRCLE PER DETAIL
- PROPOSED PARKING AREA SEE SITE SPECIFIC DETAILS PER PLAN
- X PROPOSED REMOVAL OF SPEED HUMP & RE-PAVING TO A 4" DEPTH.
- ▽ PROPOSED SPEED HUMP



CHICANE			
#	LOCATION	DETAIL	WIDTH
1	SPA	C2	10'
2	SPB	C2	10'
3	SPC	C2	10'
4	1st A	C1	10'
5	1st B	C1	10'
6	1st C	C1	10'
7	1st D	C1	10'
8	1st E	C1	10'
9	1st F	C1	10'
10	1st G	C1	10'
11	2nd A	C1	10'
12	2nd B	C1	10'
13	2nd C	C1	10'
14	2nd D	C1	10'
15	2nd E	C1	10'
16	2nd F	C1	10'
17	2nd G	C1	10'
18	2nd H	C1	10'
19	UN A	C1	10'
20	UN B	C1	10'
21	UN C	C1	10'
22	UN D	C1	10'
23	UN E	C1	10'
24	UN F	C1	10'
25	UN G	C1	10'
26	UN H	C1	10'
27	UN I	C1	14'
28	4th A	C2	16'
29	4th B	C2	16'
30	4th C	C2	16'
31	4th D	C2	16'
32	4th E	C1	16'
33	4th F	C1	16'
34	5th A	C1	14'
35	5th B	C1	16'
36	5th C	C1	16'
37	5th D	C1	16'

SHEET INDEX

- SHEET 1 COVER SHEET
- SHEET 2 GENERAL NOTES/DETAIL C1 AND C2
- SHEET 3 CHICANE CROSS SECTION X AND Y
- SHEET 4 SPEED HUMP DETAILS
- SHEET 5 TRAFFIC CIRCLE DETAILS
- SHEET 6 PAVEMENT MARKING DETAILS

ATTENTION CONTRACTOR!

THE CONTRACTOR IS MADE AWARE THAT UTILITIES ARE NOT SHOWN ON THE PROJECT PLANS OR IN THE PROJECT DETAILS. UTILITIES ARE PRESENT IN THE FIELD. THE CONTRACTOR IS MADE RESPONSIBLE FOR THE COORDINATION AND/OR THE RELOCATION OR ADJUSTMENT OF UTILITIES IN CONFLICT WITH THE PROPOSED IMPROVEMENTS. A DESIGN BLUE STAKE WAS PERFORMED FOR THIS PROJECT. AS A RESULT, THE PROJECT BID TABULATION INCLUDES AN ITEM "EACH" FOR THE ADJUSTMENT OF WATER LINES. GAS FACILITIES FOUND IN CONFLICT ARE ASSUMED TO BE RELOCATED BY THEIR OWN FORCES. OTHER UTILITIES MAY BE PRESENT. THE CONTRACTOR SHALL CONTACT ARIZONA BLUE STAKE PRIOR TO START OF CONSTRUCTION AND OBTAIN ALL APPLICABLE PERMITS PRIOR TO CONSTRUCTION.



SCALE: 1" = 200'

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

**DUNBAR SPRING NEIGHBORHOOD PIMA COUNTY
NEIGHBORHOOD REINVESTMENT GRANT PROJECT**

Approvals	Signature	Date	Approved	
ENGINEERING ADMINISTRATOR			_____ 20__	1 OF 6
TRAFFIC PLANNING & DESIGN ADMINISTRATOR				
LANDSCAPE ARCHITECT				
			TRANSPORTATION DIRECTOR	
			REF. _____	SCALE: B/A
			PLAN NO. XXXXXX	

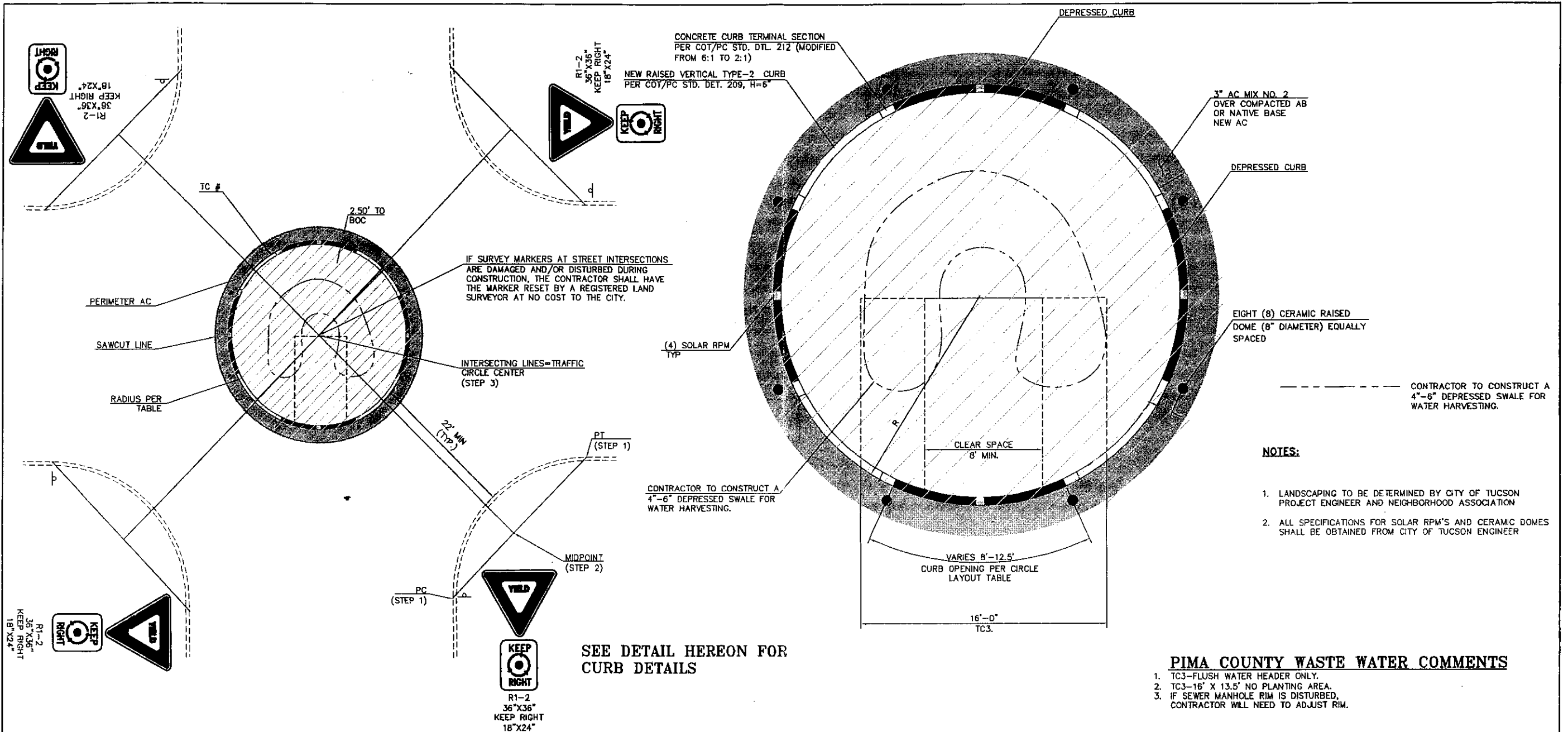
Kimley-Horn and Associates, Inc.
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2210 East Fort Lowell Road, Suite 200
Tucson, Arizona 85719 (520) 615-8161

CITY OF TUCSON
RICARDO P. SOLIS
EXPIRES 8/30/2011

NO.	DATE	REVISION	BY	CHKD.	APPR.

K:\TUC_DunbarSpring\GIS\Map\01-Dunbar Spring\01-Dunbar Spring\01-Dunbar Spring.dwg Date: 08/20/11 10:46:43 AM

Call at least two full working days before you begin excavation.
ARIZONA BLUE STAKE
PIMA COUNTY, ARIZONA
Did 8-1-1 or 1-800-STATE-11 (782-5348)
In Maricopa County: (502) 253-1100



- NOTES:**
1. LANDSCAPING TO BE DETERMINED BY CITY OF TUCSON PROJECT ENGINEER AND NEIGHBORHOOD ASSOCIATION
 2. ALL SPECIFICATIONS FOR SOLAR RPM'S AND CERAMIC DOMES SHALL BE OBTAINED FROM CITY OF TUCSON ENGINEER

PIMA COUNTY WASTE WATER COMMENTS

1. TC3-FLUSH WATER HEADER ONLY.
2. TC3-16' X 13.5' NO PLANTING AREA.
3. IF SEWER MANHOLE RIM IS DISTURBED, CONTRACTOR WILL NEED TO ADJUST RIM.

TRAFFIC CIRCLE LAYOUT DATA:

LOCATION DESCRIPTION	TRAFFIC CIRCLE RADIUS R	SAWCUT (L.F.)	AC REMOVAL (S.Y.)	NEW AC (TONS.)	TYPE 2 VERTICAL CURB	CURB OPENING (L.F.)	R1-2 SIGN (YIELD)	HURRICANE (KEEP RIGHT) SIGN	SOLAR POWERED DELINEATORS	8" DIA. CERAMIC RAISED DOME
TC1	8.5'	66'	38.5	2.2	13.4'	8'	4	4	4	8
TC2	8.5'	66'	38.5	2.2	13.4'	8'	4	4	4	8
TC3	13.5'	97'	83.9	3.4	*0'	*0'	4	4	4	8

* FLUSH HEADER FOR WASTE WATER ON TC3.

TRAFFIC CIRCLE CONSTRUCTION METHOD:

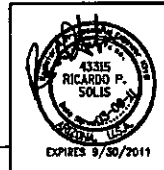
1. LOCATE PC AND PT AT EACH CURB RETURN. PROJECT LINE CONNECTING PC AND PT. TYPICAL FOR EACH QUADRANT.
2. LOCATE MIDPOINT OF PC-PT CHORD. PROJECT LINE CONNECTING MIDPOINTS OF OPPOSITE CORNERS.
3. MARK LOCATION OF INTERSECTING LINES. STAKE LOCATION REPRESENTS PROPOSED CENTER OF TRAFFIC CIRCLE.
4. REFER TO "TRAFFIC CIRCLE LAYOUT DATA" TABLE FOR SPECIFIC DESIGN OF EACH TRAFFIC CIRCLE.
5. CONTRACTOR SHALL ENSURE 22' MINIMUM CLEARANCE FROM PROPOSED TRAFFIC CIRCLE FACE OF CURB TO EXISTING CURB RETURNS. CONTRACTOR SHALL CONTACT PROJECT ENGINEER IF CLEARANCE CONFLICTS EXIST.

TYPICAL TRAFFIC CIRCLE DETAIL

DETAILS

800-782-5348

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 Tucson, Arizona 85719 (520) 615-9191

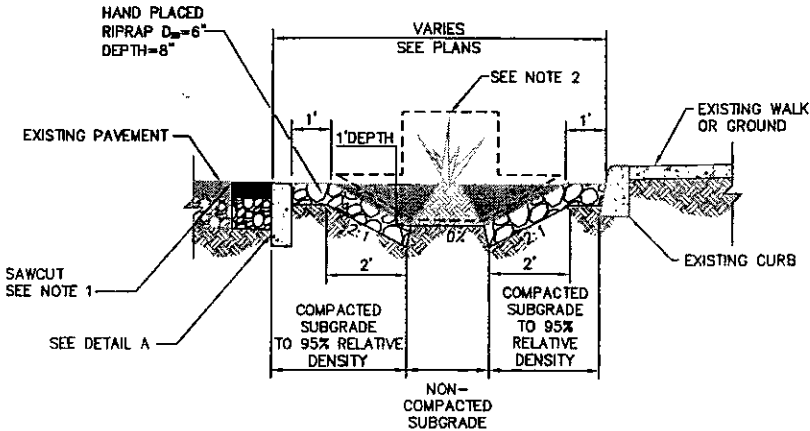


DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION		5 OF 6
DUNBAR SPRING NEIGHBORHOOD PIMA COUNTY NEIGHBORHOOD REINVESTMENT GRANT PROJECT		
CITY OF TUCSON	DESIGNED BY: J. Vitale CHECKED BY: Y. Coltrane / J. Vitale DRAWN BY: E. Sole	REF. _____ SCALE: _____ PLAN NO. XXXXX

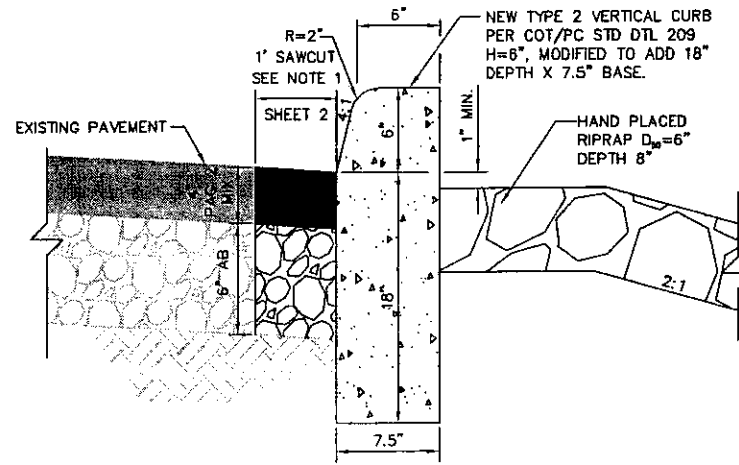
NO.	DATE	REVISION	BY	CHKD.	APPR.

NOTES:

1. THE CONTRACTOR SHALL SAWCUT 1 FOOT FROM THE FACE NEW CONCRETE HEADER OR VERTICAL CURB. THE CONTRACTOR SHALL BE MADE RESPONSIBLE FOR THE REPLACEMENT OF ANY ASPHALT DISTURBED OUTSIDE OF THE PROJECT SAWCUT SECTION. ALL PAVEMENT REPLACEMENT SHALL MATCH THE DESIGN PAVEMENT SECTION OF 4" AC (PAG 2 MIX) / 6" CLASS 2 AB.
2. LANDSCAPING ITEMS, QUANTITIES, AND CONSTRUCTION PROCEDURES ARE TO BE COORDINATED THROUGH THE CITY OF TUCSON LANDSCAPE ARCHITECT GARY WITWER (520-791-5100). QUANTITIES AND PLANT TYPES WILL BE IDENTIFIED BY THE CITY OF TUCSON. THESE TYPICAL SECTIONS SHOW THE GENERAL LOCATION OF PLANTING(S), A PLANT MOUND, AND THE PLACEMENT OF MULCH AROUND THE MOUND AND TO THE TOP OF THE RIP-RAP HINGE. THE PLANT CONTRACTOR SHALL COORDINATE WITH GARY WITWER TO PERFORM PERCOLATION TESTS PRIOR TO PLACING LANDSCAPING ITEMS.



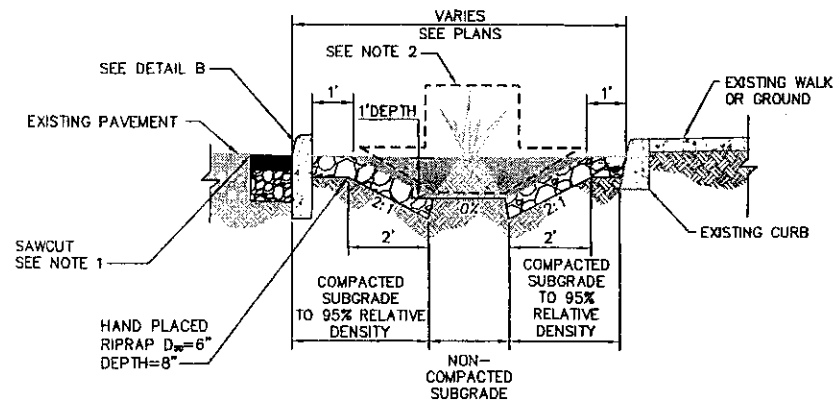
X HEADER CHICANE CROSS-SECTION
NTS



B CURBED CHICANE CROSS-SECTION
NTS

DETAIL X

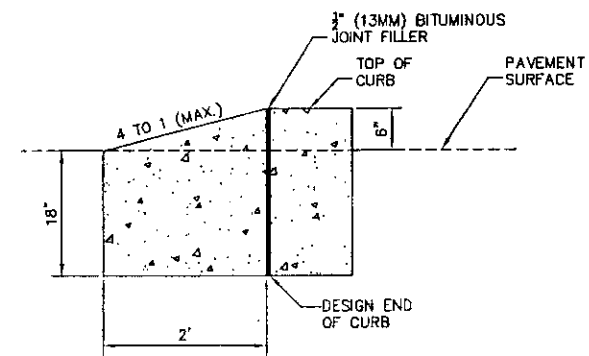
CHICANE TYPE 1 AND TYPE 2 STANDARD DETAILS (N.T.S.)



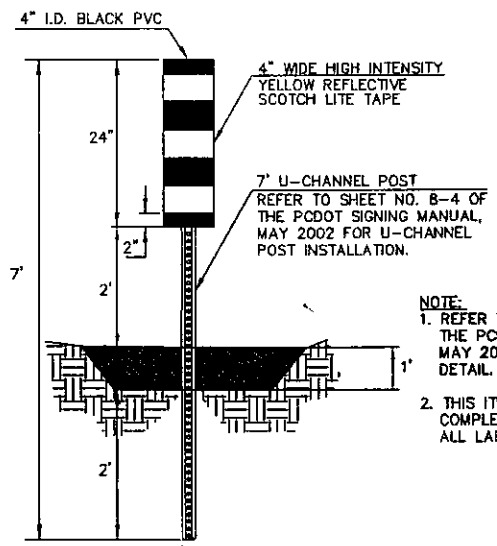
Y CURBED CHICANE CROSS-SECTION
NTS

DETAIL Y

CHICANE TYPE 1 AND TYPE 2 STANDARD DETAILS (N.T.S.)



C VERTICAL CURB TERMINAL SECTION
NTS

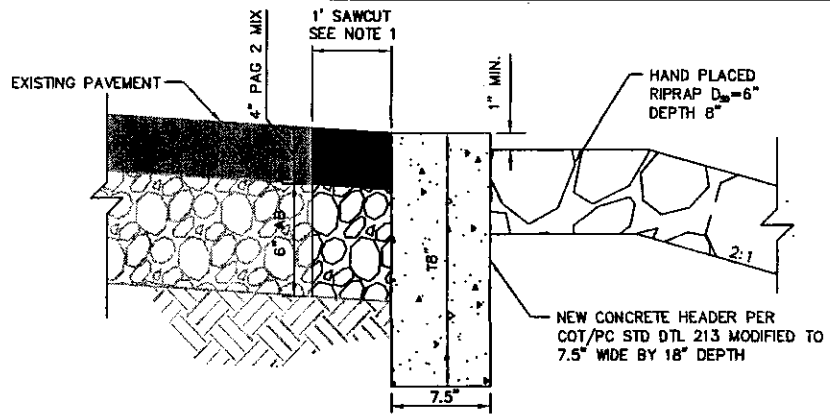


D OBJECT MARKER DETAIL
NTS

- NOTE:**
1. REFER TO SHEET NO. 9-17 OF THE PCDOT SIGNING MANUAL, MAY 2002 FOR DELINEATOR DETAIL.
 2. THIS ITEM IS BID AS EACH COMPLETE IN-PLACE INCLUDING ALL LABOR AND MATERIALS.

ATTENTION CONTRACTOR!

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A HEADER CHICANE CROSS-SECTION
NTS

8-1110-00000000-001-Durham Springs/CADD/UT/UT-Adopting Mar 08, 2011 jms:shs
 8-1110-00000000-001-Durham Springs/CADD/UT/UT-Adopting Mar 08, 2011 jms:shs
 8-1110-00000000-001-Durham Springs/CADD/UT/UT-Adopting Mar 08, 2011 jms:shs

NO DRAWING SHALL BE USED WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.
 800-782-5348
 APPROVE DATE: _____

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 2210 East Fort Lowell Road, Suite 200
 Tucson, Arizona 85719 (520) 815-9191



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION		3
DUNBAR SPRING NEIGHBORHOOD PIMA COUNTY NEIGHBORHOOD REINVESTMENT GRANT PROJECT		OF
		6
CITY OF TUCSON	DESIGN BY: J. Vito	REF. _____ SCALE: _____
	DESIGN BY: V. Cochran / J. Vito	PLAN NO. XXXXXX
	CHD. BY: E. Soto	

NO.	DATE	REVISION	BY	CHKD.	APPR.
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NOTES/DETAILS