

SCANNED BY
WESA REPRO



NOTICE TO CONTRACTORS

1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
3. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.
4. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (788-2551) PRIOR TO OCCUPYING AN INTERSECTION.
(SEE SECTION 19 OF THE SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR IN EXISTING OR NEW LOCATION AS INDICATED BY THIS SET.
7. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE TO THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
8. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION.

☒	ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
☒	BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
☐	TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
☒	SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
☐	IF CURB IS DERESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
☒	ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9515

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750,
hereby certify that the as-built information shown hereon is the
result of an actual field survey performed by me or under my direct
supervision and that the same is true and correct to the best of my
knowledge and belief.

A circular professional seal for a surveyor. The outer ring contains the text "PROFESSIONAL SURVEYOR" at the top and "RUSS R. HUGG" at the bottom. The inner ring contains "STATE OF" at the top and "NEW MEXICO" at the bottom. The center of the seal contains the text "No. 9750".

SHEET NO.	SHEET
1	TITLE SHEET
2	PLAT
3	GRADING AND DRAINAGE PLAN
4	MASTER PAVING PLAN
5-10	PAVING IMPROVEMENTS
11	MASTER UTILITY PLAN
12-18	UTILITY IMPROVEMENTS
19-20	TRAFFIC CONTROL

RECORD DRAWING

Gregory J. Krenik, PE NMPE 119

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	6		6	3	3	9	.	8	1		0	1	0	3

DRB NO

98-276

8069BSG/UNIT3/8069TITL/02-22-01/MJF

NOTES:

1. THE PLAT OF THIS PLAT IS TO SUBDIVIDE 30.8479 ACRES INTO 198 SINGLE FAMILY LOTS, 1 TRACT, GRANT EASEMENTS, VACATE EXISTING TRACT LINES, GRANT PRIVATE ACCESS EASEMENTS, AND GRANT PUBLIC UTILITY AND PRIVATE DRAINAGE EASEMENTS AS SHOWN HEREON.
2. ALL BEARINGS SHOWN HEREON ARE GRID BEARINGS BASED ON NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, MEAN DELTA ALPHA (DEGREES 16 MINUTES 27 SECONDS). ALL DISTANCES ARE GROUND DISTANCES.
3. BEARINGS AND DISTANCES SHOWN IN PARENTHESIS ARE RECORD.
4. BENCHMARK FOR THIS PLAT IS ACS CONTROL POINT 7-K10, 1989, LOCATED IN THE MEDIAN AT THE INTERSECTION OF UNSER BLVD. AND CENTRAL AVENUE, ELEVATION 5095.14.
5. UNLESS OTHERWISE NOTED, ALL CORNERS ARE EVIDENCED BY A 5/8 REBAR WITH ALUMINUM CAP STAMPED P.S. 11000.
6. CENTERLINE (IN LIEU OF R/W) MONUMENTATION WILL BE INSTALLED AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, AND POINTS OF STREET INTERSECTIONS PRIOR TO THE ACCEPTANCE OF SUBDIVISION STREET IMPROVEMENTS AND WILL CONSIST OF A FOUR INCH DIAMETER ALUMINUM ALLOY CAP SET FLUSH WITH THE TOP OF ASPHALT STAMPED CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION SURVEY MARKER, DO NOT DISTURB, P.S. 11000. THE SMALL SOLID-FILLED TRIANGLE SYMBOLS DEPICTED HEREON DENOTE CENTERLINE MONUMENTS TO BE SET.
7. PUBLIC UTILITY EASEMENTS (P.U.E.) SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE OF:
8. PNM ELECTRICAL SERVICES FOR INSTALLATION, MAINTENANCE, AND SERVICE OF OVERHEAD AND UNDERGROUND ELECTRICAL LINES, TRANSFORMERS, POLES AND ANY OTHER EQUIPMENT, FIXTURES, STRUCTURES AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICE.
9. PNM GAS SERVICES FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS SERVICE.
10. U.S. WEST FOR THE INSTALLATION, MAINTENANCE AND SERVICE OF ALL BURIED COMMUNICATION LINES AND RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE COMMUNICATION SERVICES, INCLUDING BUT NOT LIMITED TO ABOVE GROUND PEDESTALS AND CLOSURES.
11. JONES INTERABLE FOR THE INSTALLATION, MAINTENANCE AND SERVICE OF SUCH UNDER GROUND LINES, CABLE AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE TV SERVICE.
12. CITY OF ALBUQUERQUE WATER AND SEWER DEPARTMENT FOR THE INSTALLATION, MAINTENANCE AND SERVICE OF SUCH UNDERGROUND WATER AND SANITARY SEWER LINES ACROSS THE EASEMENT AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE SERVICE.

INCLUDED IS THE RIGHT TO BUILD, REBUILD, CONSTRUCT, RECONSTRUCT, LOCATE, RELOCATE, CHANGE, REMOVE, MODIFY, RENEW, OPERATE, AND MAINTAIN FACILITIES FOR THE PURPOSES DESCRIBED ABOVE, TOGETHER WITH THE FREE ACCESS TO, FROM, AND OVER SAID EASEMENTS, INCLUDING SUFFICIENT WORKING AREA SPACE FOR ELECTRIC TRANSFORMERS, WITH THE RIGHT AND PRIVILEGE TO TRIM AND REMOVE TREES, SHRUBS OR BUSHES WHICH INTERFERE WITH THE PURPOSES SET FORTH HEREIN. NO BUILDING, SIGN, POOL (ABOVE GROUND OR SUBSURFACE), HOT TUB, CONCRETE OR WOOD POOL DECKING, OR OTHER STRUCTURE SHALL BE ERECTED OR CONSTRUCTED ON SAID EASEMENTS, NOR SHALL ANY WELL BE DRILLED OR OPERATED THEREON. PROPERTY OWNERS SHALL BE SOLELY RESPONSIBLE FOR CORRECTING ANY VIOLATIONS OF NATIONAL ELECTRIC SAFETY CODE CAUSED BY CONSTRUCTION OF POOLS, DECKING, OR ANY STRUCTURES ADJACENT TO, OR NEAR EASEMENTS SHOWN ON THIS PLAT.

8. SPECIFICALLY THE PARKING DENSITY CATEGORY OF INTERMITTENT IS MET BY EACH LOT PROVIDING 4 PARKING SPACES (INCLUDING GARAGE) FOR 3-4 BEDROOMS. ALL DWELLINGS WILL HAVE 2-4 BEDROOMS AND 2-CAR ATTACHED GARAGES WITH 2-CAR DRIVEWAYS.
9. BUILDING SETBACKS FOR ALL LOTS WILL BE IN COMPLIANCE WITH THE ZONING CODE FOR RD-9 ZONING REQUIREMENTS.
10. TRACT "A" IS CONVEYED IN FEE SIMPLE TO THE ENCANTO VILLAGE HOMEOWNERS ASSOCIATION AS A COMMON AREA FOR PRIVATE STREETS BY THIS PLAT. A PRIVATE ACCESS AND PRIVATE DRAINAGE EASEMENT IS GRANTED TO EACH LOT OWNER ACROSS THIS TRACT BY THIS PLAT. A PUBLIC WATER & SANITARY SEWER EASEMENT IS GRANTED WITHIN TRACT "A" TO THE CITY OF ALBUQUERQUE BY THIS PLAT. MAINTENANCE AND OPERATION OF THE PRIVATE STREETS SHALL BE THE RESPONSIBILITY OF THE ENCANTO VILLAGE HOA. WATER & SANITARY SEWER SYSTEMS SHALL BE MAINTAINED AND OPERATED BY THE CITY OF ALBUQUERQUE. A P.U.E. IS ALSO GRANTED ACROSS THIS TRACT TO U.S. WEST COMMUNICATIONS, JONES INTERABLE, PNM GAS SERVICES, AND PNM ELECTRIC SERVICES ACROSS THIS TRACT BY THIS PLAT.
11. A 10' PRIVATE DRAINAGE EASEMENT IS CENTERED ON ALL COMMON SIDE LOT LINES.
12. LOTS WITHIN RD-9 ZONING SHALL HAVE A MINIMUM OF 2400 SQ. FT. OF ON-SITE OPEN SPACE TO MEET ZONING REQUIREMENTS.
13. NO DIRECT DRIVEWAY ACCESS WILL BE ALLOWED FROM ANY LOT TO UNSER BLVD.

OWNER: **L.L. BELL, MANAGER**
AMERICAN SOUTHWEST HOMES, INC.

SURVEYOR: **Kevin C. Daggett**
KEVIN C. DAGGETT
N.M.P.L.S. 11000

APPROVED FOR MONUMENTATION AND STREET NAMES:

Glen Hakin 12-12-00
GLEN HAKIN
CITY SURVEYOR DATE

CITY OF ALBUQUERQUE ACS
MONUMENT 7-K10
NEW MEXICO STATE PLANE COORDINATES
(CENTRAL ZONE) NAD 1927
X=358,815.77 Y=1,482,842.09
DELTA ALPHA = -0.1617
G TO G = -0.99957820

TOWN OF ATRISCO GRANT
UNIT 2
TRACTS 57 - 60
(12-05-44, D-118)

V.E. BARRETT SUBDIVISION
TRACT 11
(2-13-66, C6-161)

V.E. BARRETT SUBDIVISION
TRACT 12
(2-13-66, C6-161)



CITY OF ALBUQUERQUE ACS
MONUMENT 7-K10
NEW MEXICO STATE PLANE COORDINATES
(CENTRAL ZONE) NAD 1927
X=358,815.77 Y=1,482,842.09
DELTA ALPHA = -0.1617
G TO G = -0.99957820

NUMBER	DIRECTION	DISTANCE
L1	S 89°28'02" E	46.00'
L2	S 00°31'58" W	26.04'
L3	N 89°28'02" W	105.00'
L4	S 00°31'58" W	62.71'
L5	S 88°17'11" E	143.67'
L6	S 01°42'49" W	24.28'
L7	N 88°17'11" W	102.40'
L8	N 29°18'28" W	62.45'
L9	S 84°03'15" W	48.81'
L10	S 05°25'40" W	19.98'
L11	N 09°52'22" E	16.39'

NUMBER	R =	L =	D =	T =	CH BEARING=	CHORD LE=
C1	4922.00	408.11	04°45'03"	204.17	S 02°55'56" W	408.00
C2	26.00	33.94	77°47'34"	20.17	S 45°11'16" W	31.40

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6339.81 0203

Sheet 1 of 1

SCALE: 1" = 100'

DAGGETT
ENGINEERING &
SURVEYING
3730 Coors Blvd., N.W.
Albuquerque, N.M. 87120
kcd@swcp.com (E-mail)
(505) 225-7821 (Office)
(505) 225-7821 (Mobile)
(505) 352-8271 (Fax)

6339.81

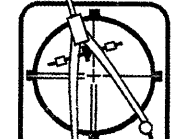
SHEET 2 OF 20

Designed By: KCD
Drawn By: KCD/JMM
Checked By: KCD
File No.: 98-3S
Date: 3-25-99

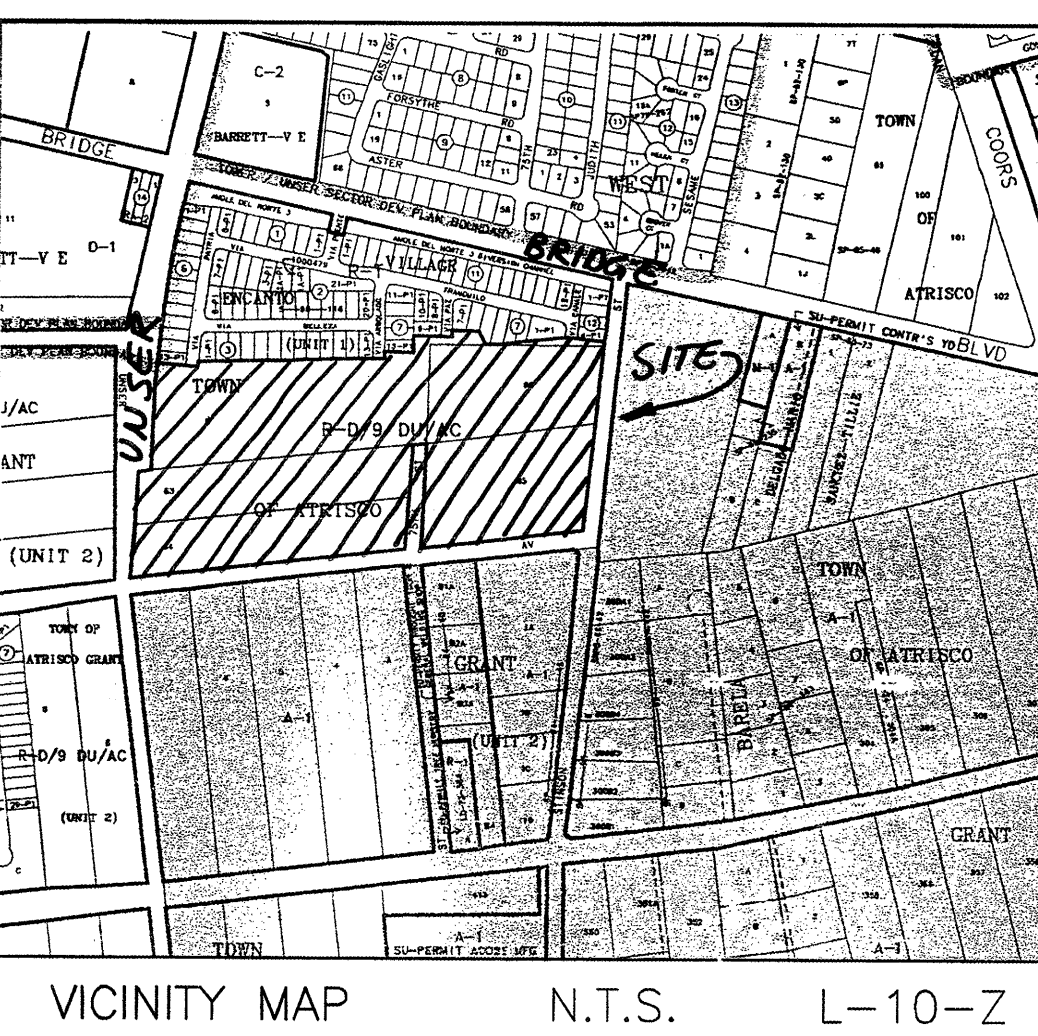
SCALE: 1" = 100'

98069/PRELPLAT2.DWG/10-14-99/SPS

© COPYRIGHT



100' 50' 0 100' 200'



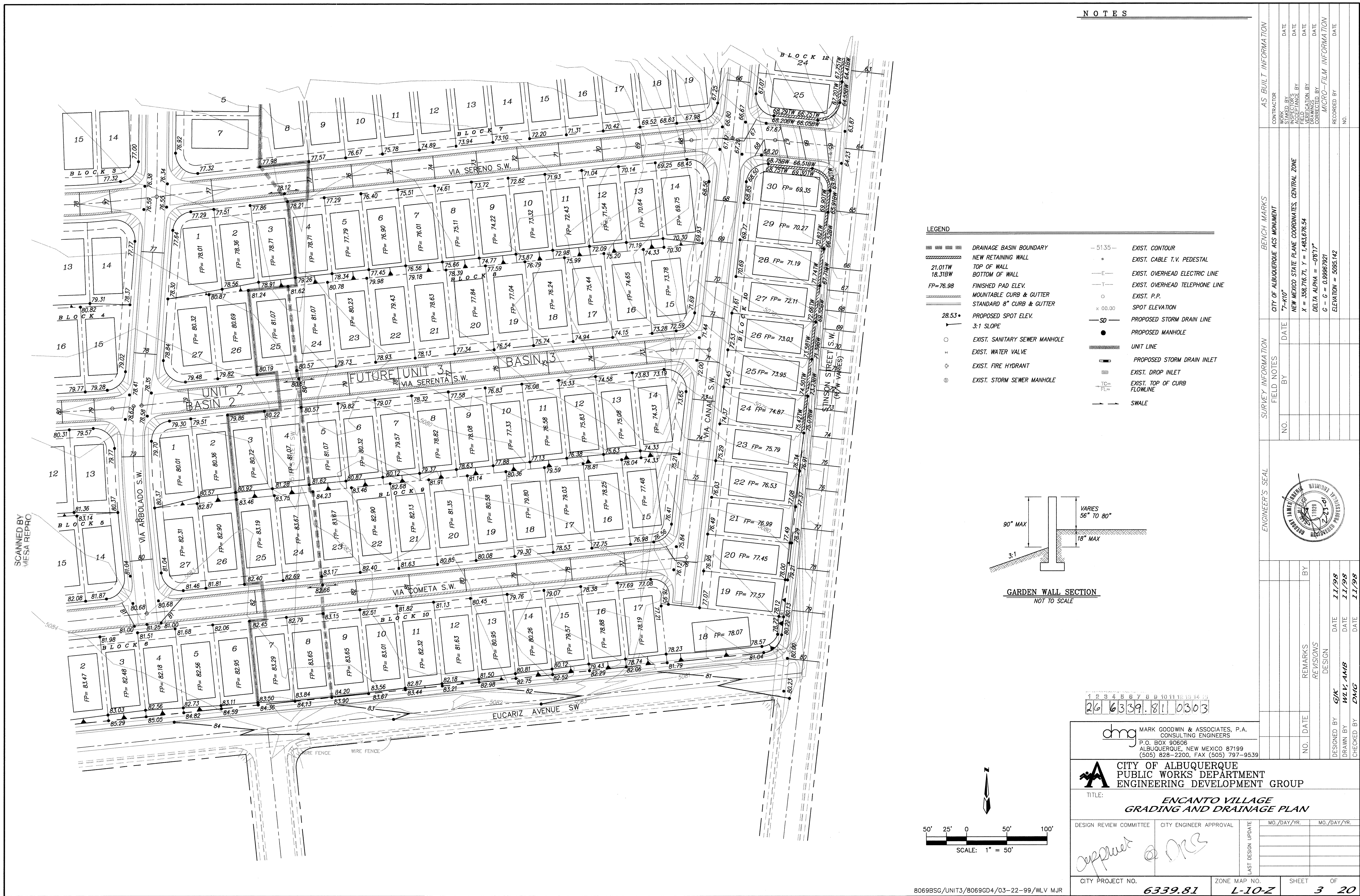
ENCANTO VILLAGE UNIT ONE
RECORDED 8-12-99
BK-99C PG-226

TOWN OF ATRISCO GRANT
UNIT 2
TRACTS 3 - 7
(12-05-44, D-118)

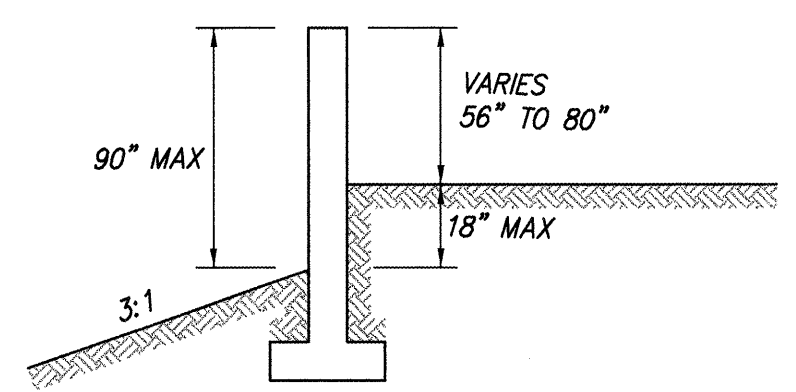
TOWN OF ATRISCO GRANT
UNIT 2
TRACTS 1 & 2
(12-05-44, D-118)

SCANNED BY
WESA REPRO

F:\DATA\DWG\96\005\8069SG\UNIT3\8069GD4.dwg Fri Feb 23 09:40:00 2001 plotted by Mike



- LEGEND**
- | | |
|--------------|--------------------------------|
| --- 5135 --- | EXIST. CONTOUR |
| --- | EXIST. CABLE T.V. PEDESTAL |
| --- | EXIST. OVERHEAD ELECTRIC LINE |
| --- | EXIST. OVERHEAD TELEPHONE LINE |
| --- | EXIST. P.P. |
| --- | SPOT ELEVATION |
| --- | PROPOSED STORM DRAIN LINE |
| --- | PROPOSED MANHOLE |
| --- | UNIT LINE |
| --- | PROPOSED STORM DRAIN INLET |
| --- | EXIST. DROP INLET |
| --- | EXIST. TOP OF CURB FLOWLINE |
| --- | SWALE |
- LEGEND**
- | | |
|-----|-------------------------------|
| --- | DRAINAGE BASIN BOUNDARY |
| --- | NEW RETAINING WALL |
| --- | TOP OF WALL |
| --- | BOTTOM OF WALL |
| --- | FINISHED PAD ELEV. |
| --- | MOUNTABLE CURB & GUTTER |
| --- | STANDARD 8" CURB & GUTTER |
| --- | PROPOSED SPOT ELEV. |
| --- | 3:1 SLOPE |
| --- | EXIST. SANITARY SEWER MANHOLE |
| --- | EXIST. WATER VALVE |
| --- | EXIST. FIRE HYDRANT |
| --- | EXIST. STORM SEWER MANHOLE |



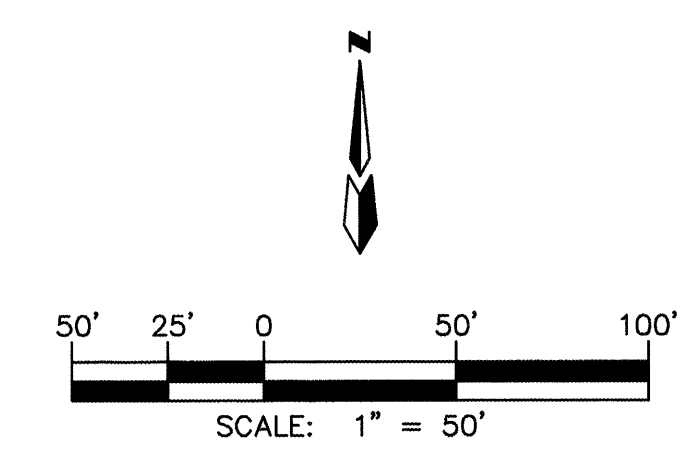
GARDEN WALL SECTION
NOT TO SCALE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6339.81 0303

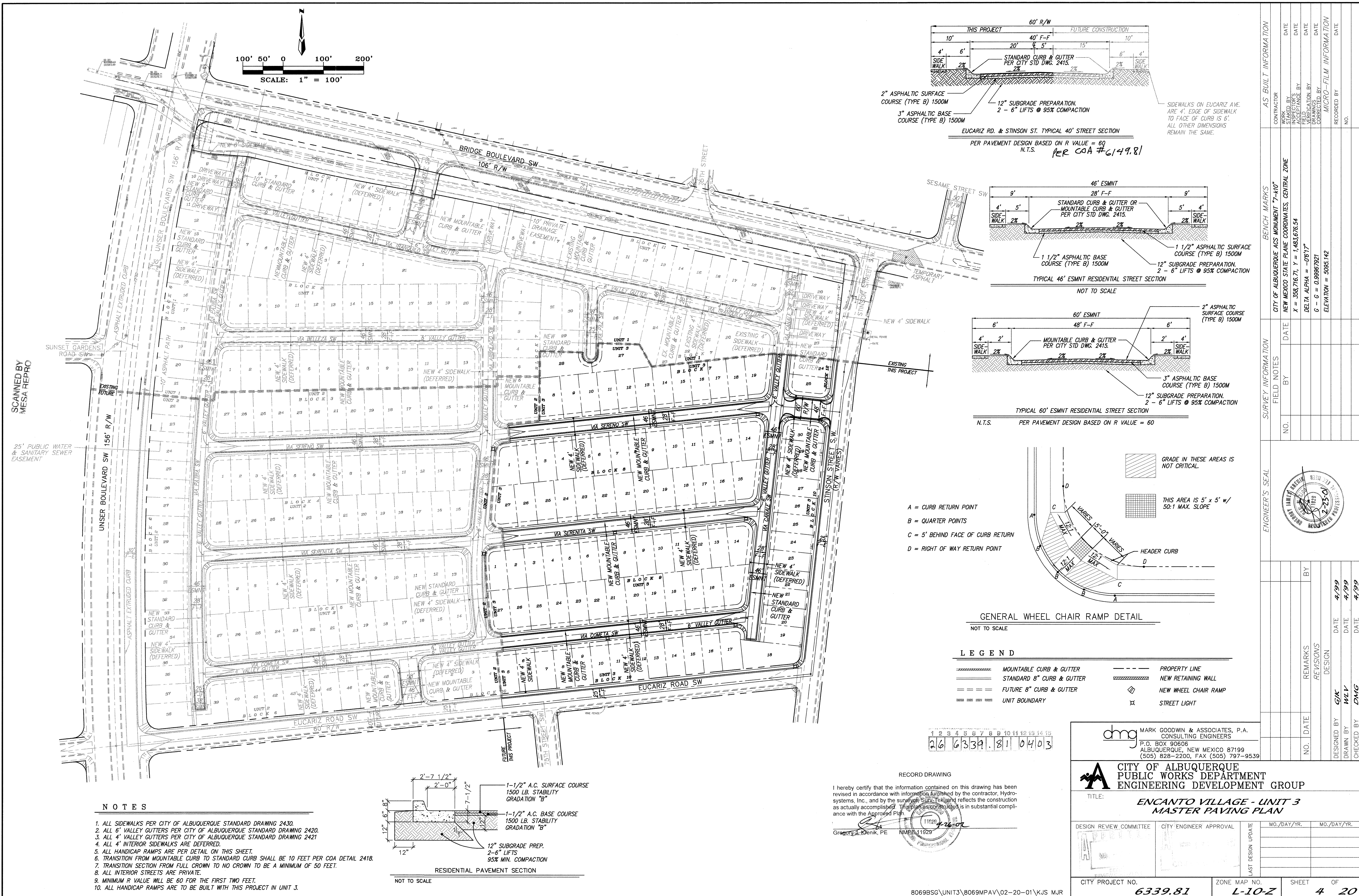
dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

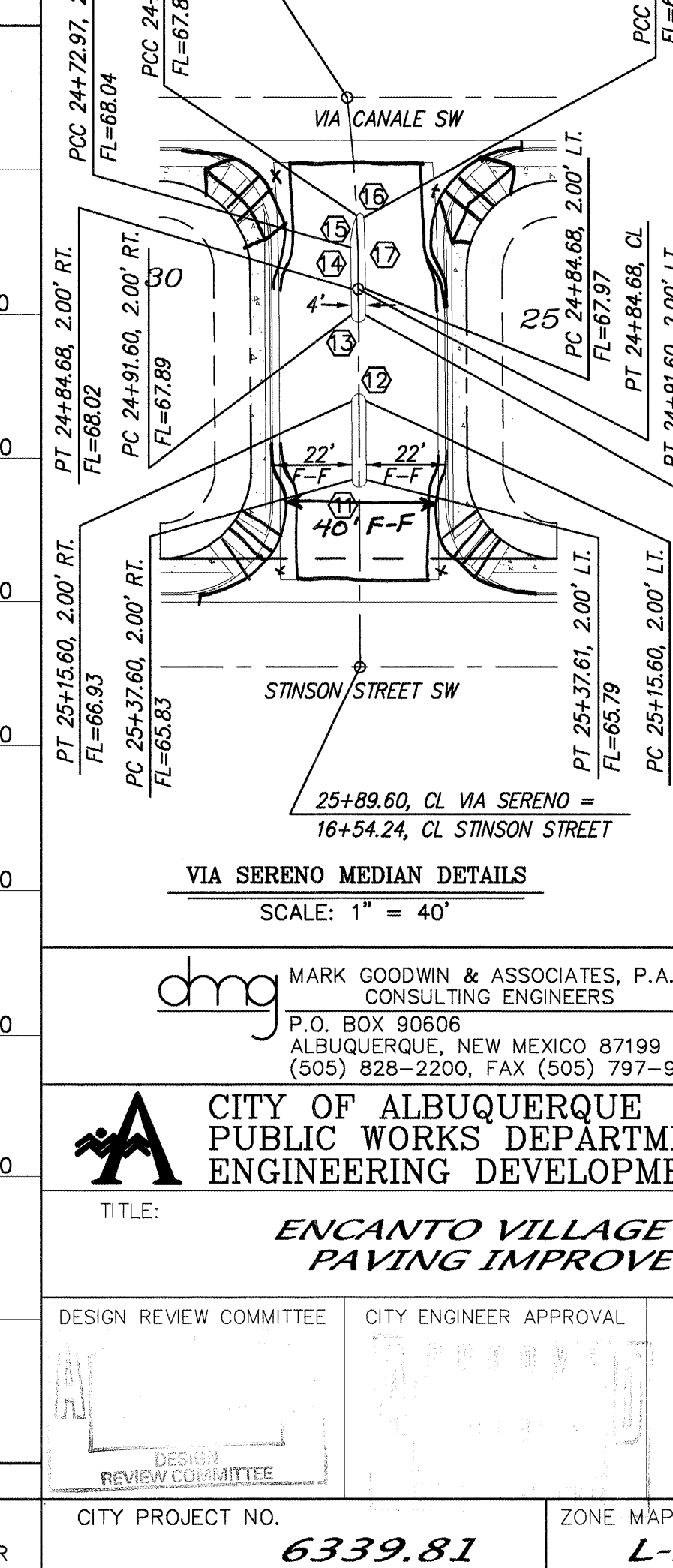
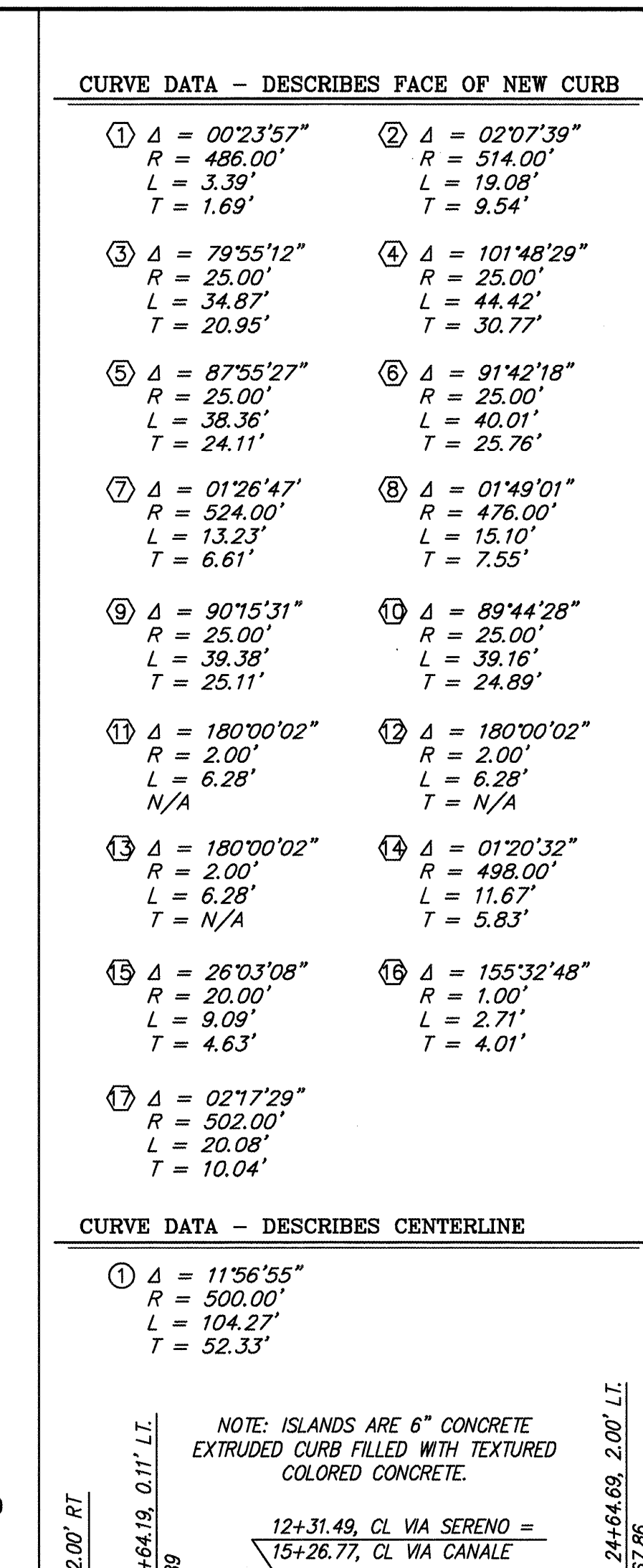
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: **ENCANTO VILLAGE**
GRADING AND DRAINAGE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
DESIGNED BY: GJK	DATE: 11/98	REVISIONS	
DRAWN BY: WLV, AMB	DATE: 11/98	CHECKED BY: DMG	
CITY PROJECT NO. 6339.81	ZONE MAP NO. L-10-Z	SHEET 3	OF 20



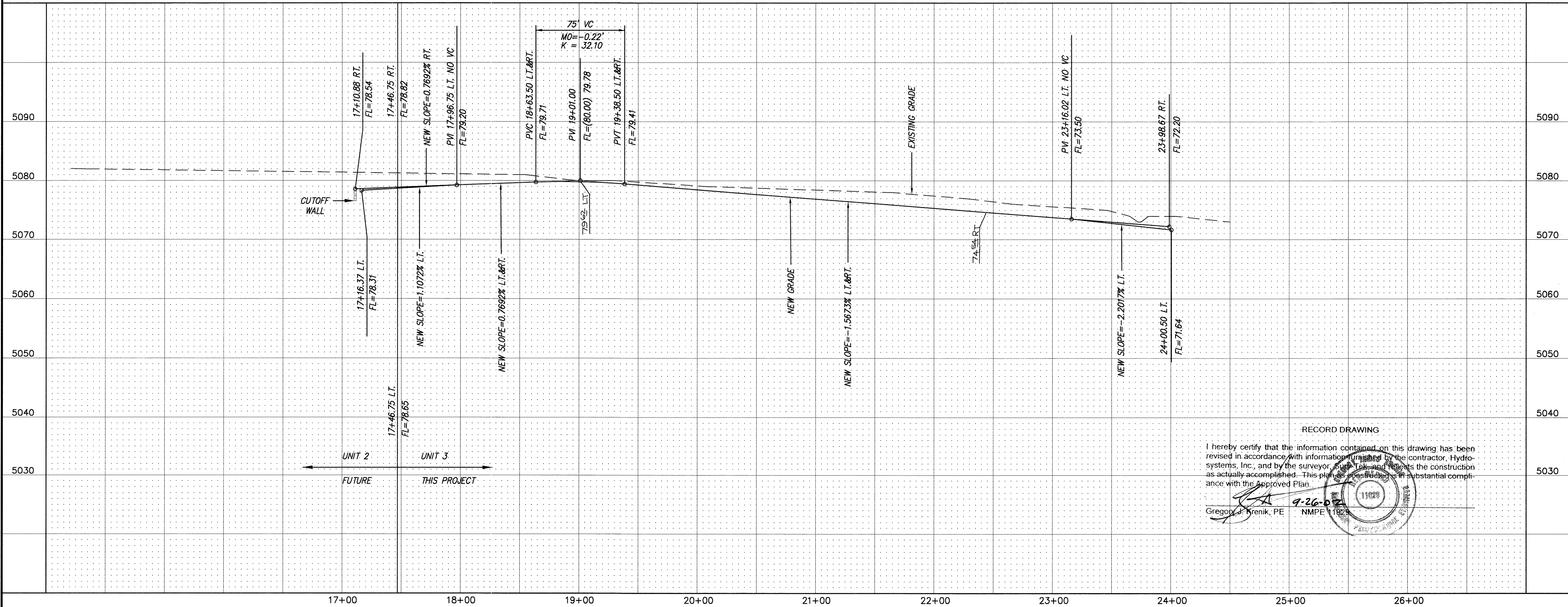
8069BSG/UNIT3/8069GD4/03-22-99/WLV.MJR





: \DATA\DWGS\98JOBS\8069SG\UNIT3\8069pp5.dwg Fri Feb 23 09:43:41 2001 plotted by mike

SCANNED BY
MESA REPRO



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

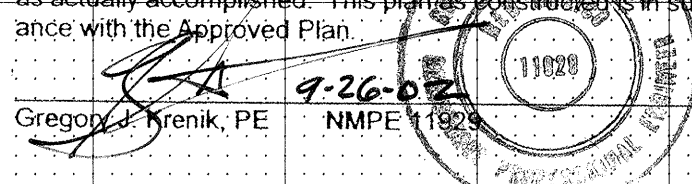
Russ P. Hugg
NMPS No. 9750
9.18.20



I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-systems, Inc., and by the surveyor, Gregor & Renik, and reflects the construction as actually accomplished. This plan is not to be used for any other project without the approval of the City of Albuquerque.

Gregor & Renik, PE
NMPE 1182

RECORD DRAWING



CURVE DATA - DESCRIBES FACE OF NEW CURB

- ① $\Delta = 81'10'14''$
 $R = 25.00'$
 $L = 35.42'$
 $T = 21.42'$
- ② $\Delta = 102'12'27''$
 $R = 25.00'$
 $L = 44.60'$
 $T = 30.99'$

CURVE DATA - DESCRIBES FACE OF NEW CURB

- ① $\Delta = 12'12'26''$
 $R = 215.09'$
 $L = 45.83'$
 $T = 23.00'$

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

26 6339.81 0603

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP**

TITLE: **ENCANTO VILLAGE - UNIT 3
PAVING IMPROVEMENTS**

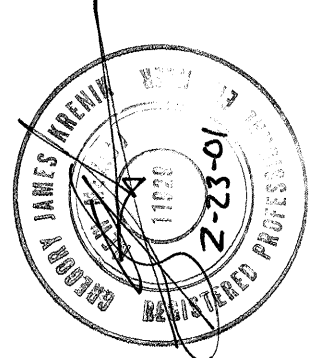
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. **6339.81** ZONE MAP NO. **L-10-Z** SHEET **6** OF **20**

SURVEY INFORMATION

NO.	BY	DATE

ENGINEER'S SEAL



REVISIONS

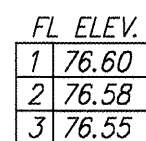
NO.	DATE	REMARKS	BY

DESIGNED BY

G/K	DATE	3/99
W/V	DATE	3/99
D/MG	DATE	3/99

AS BUILT INFORMATION

CONTRACTOR	HYDRO-SYSTEMS, INC.
WORK ORDER NO.	1166
DATE	3/99
INSPECTED BY	MARK GOODWIN
DATE	3/99
FIELD	
DATE	3/99
REVISIONS	
DATE	3/99
CORRECTED BY	
DATE	3/99
RECORDED BY	
DATE	3/99



I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

9.18, 2002



VIA COMETA SW
STA. 16+00.00 TO STA. 23+82.16
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

AS BUILT INFORMATION	CONTRACTOR	APPRO SYSTEMS INC
	WORK	DATE
	INSTALLED BY	SURV TEK INC
	INSPECTOR'S	
	DATE	9/02
	FIELD	DATE
	VERIFICATION BY	SURV-TEK INC. DATE
	CORRECTED BY	DATE
	RECORDED BY	
	NO.	

BENCH MARKS
 CITY OF ALBUQUERQUE ACS MONUMENT 77-410°
 NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
 X = 358,716.71, Y = 1,483,676.54
 DELTA ALPHA = -0°17"
 G - G = 0.99967921
 ELEVATION = 5095.142

[illegible][illegible]

UNIT		
UNIT GROUP		
<i>- UNIT 3</i>		
<i>MENTS</i>		
MO./DAY/YR.	MO./DAY/YR.	MO./DAY/YR.
NO.	SHEET	OF
7	7	20

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, Inc., and by the surveyor, Suvi-Tek, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Gregory J. Krenik, PE NMPE 1192

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
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ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

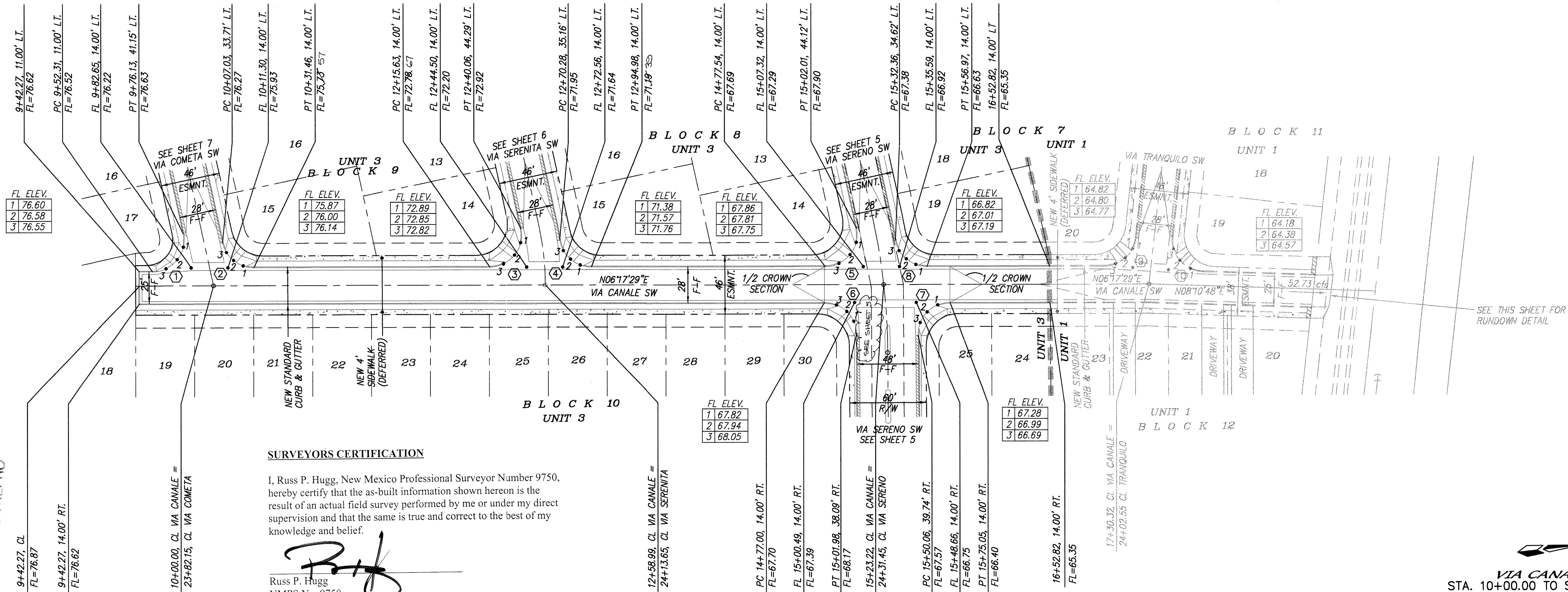
TITLE: **ENCANTO VILLAGE - UNIT 3
PAVING IMPROVEMENTS**

[illegible]

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
6339.81	L-10-Z	7	20

CURVE DATA - DESCRIBES FACE OF NEW CURB

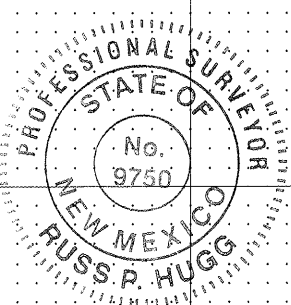
① $\Delta = 102^{\circ}12'27''$ $R = 25.00'$ $L = 44.60'$ $T = 30.99'$	② $\Delta = 77^{\circ}47'34''$ $R = 25.00'$ $L = 33.94'$ $T = 20.17'$	③ $\Delta = 102^{\circ}12'27''$ $R = 25.00'$ $L = 44.60'$ $T = 30.99'$	④ $\Delta = 81^{\circ}51'30''$ $R = 25.00'$ $L = 35.42'$ $T = 21.68'$	⑤ $\Delta = 101^{\circ}48'29''$ $R = 25.00'$ $L = 44.42'$ $T = 30.77'$	⑥ $\Delta = 87^{\circ}55'27''$ $R = 25.00'$ $L = 38.36'$ $T = 24.11'$	⑦ $\Delta = 91^{\circ}42'18''$ $R = 25.00'$ $L = 40.01'$ $T = 25.76'$	⑧ $\Delta = 79^{\circ}55'12''$ $R = 25.00'$ $L = 34.87'$ $T = 20.95'$	⑨ $\Delta = 83^{\circ}39'59''$ $R = 25.00'$ $L = 36.51'$ $T = 22.38'$	⑩ $\Delta = 94^{\circ}26'43''$ $R = 25.00'$ $L = 42.21'$ $T = 27.02'$
---	--	---	--	---	--	--	--	--	--



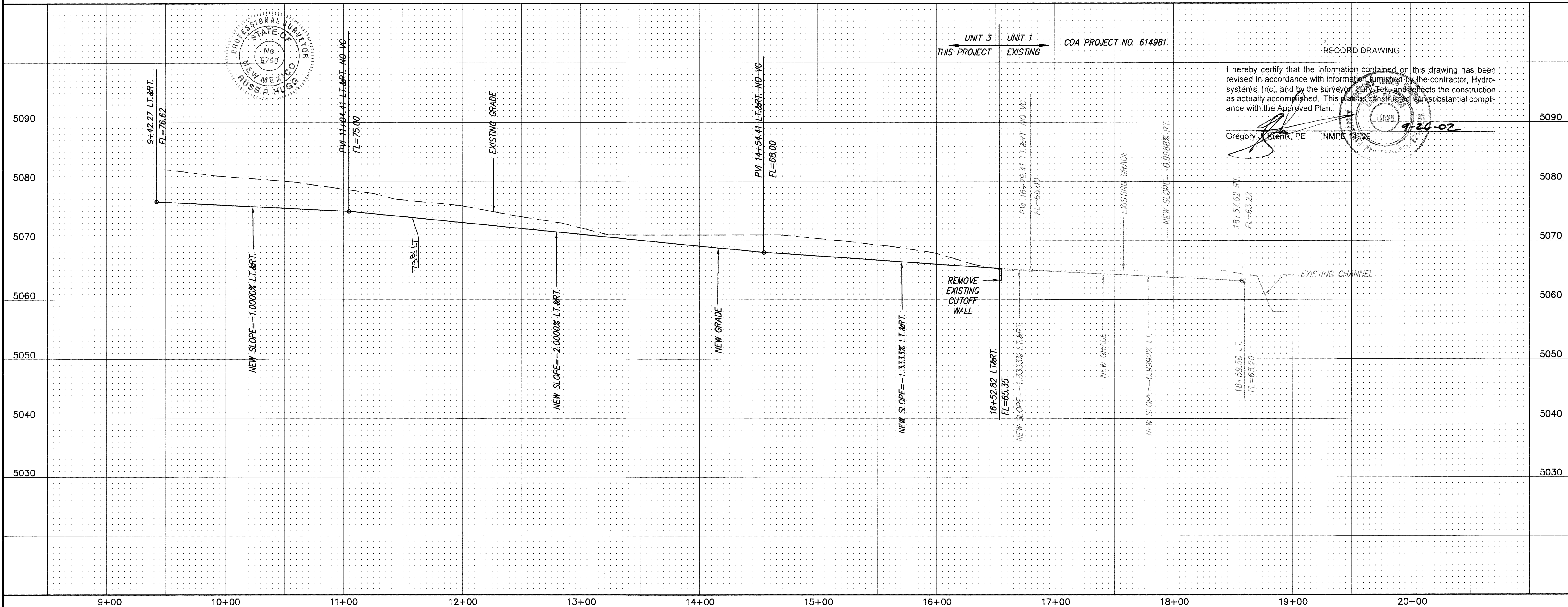
SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
9.18.02



VIA CANALE SW
STA. 10+00.00 TO STA. 18+73.76
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-systems, Inc., and by the surveyor, Survey-Tek, and reflects the construction as actually accomplished. This plan is constructed in substantial compliance with the Approved Plan.

Gregory J. Kiem, PE NMPE 19398

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6339.81 0803

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
ENCANTO VILLAGE - UNIT 3
PAVING IMPROVEMENTS

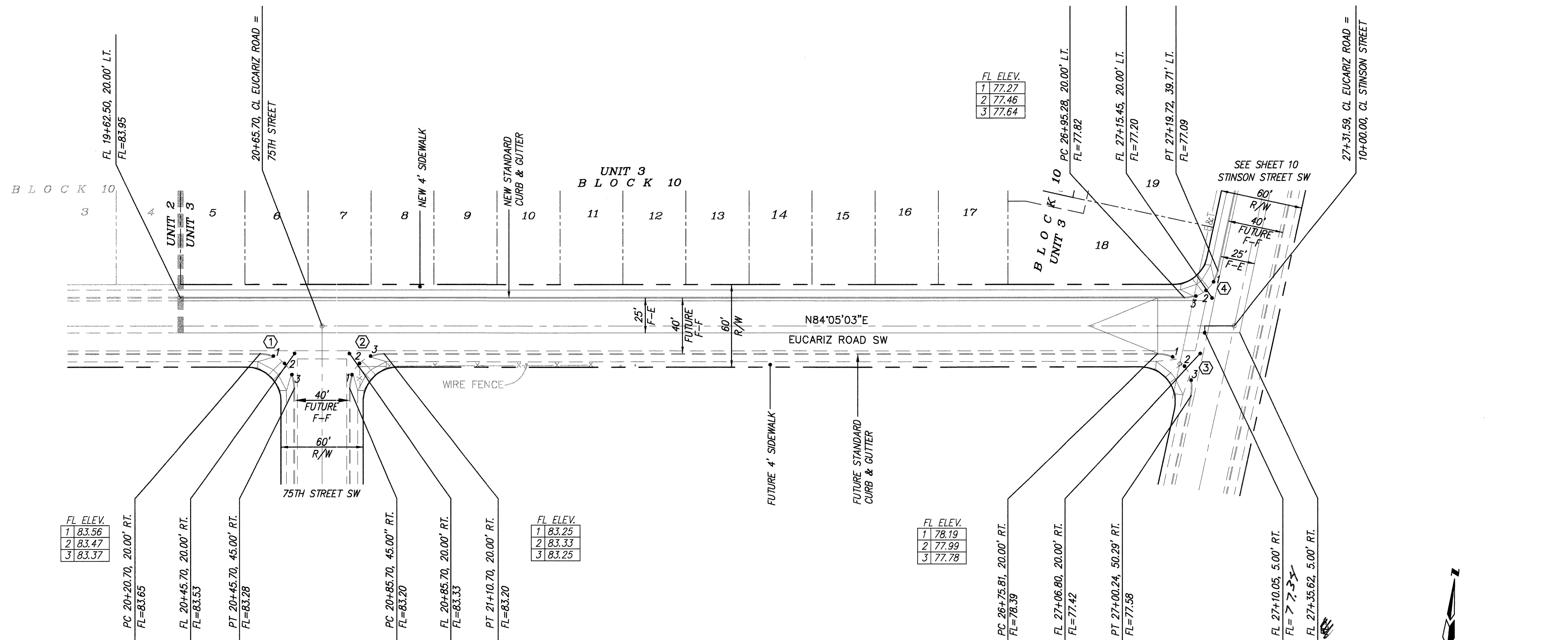
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. 6339.81 ZONE MAP NO. L-10-Z SHEET 8 OF 20

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"		FIELD NOTES		RECORD DRAWING	
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE		NO. BY DATE		NO. DATE	
X = 358,716.71, Y = 1,483,676.54		NO. BY DATE		NO. DATE	
DELTA ALPHA = -06°17'		NO. BY DATE		NO. DATE	
C - C = 0.99967921		NO. BY DATE		NO. DATE	
ELEVATION = 5095.142		NO. BY DATE		NO. DATE	
AS BUILT INFORMATION		NO. BY DATE		NO. DATE	
CONTRACTOR: HYDRO-SYSTEMS, INC.		NO. BY DATE		NO. DATE	
WORK: SURVEY-TAK, INC.		NO. BY DATE		NO. DATE	
DATE: 8/02		NO. BY DATE		NO. DATE	
DRAWINGS: SURVEY-TAK, INC.		NO. BY DATE		NO. DATE	
CORRECTED BY: SURVEY-TAK, INC.		NO. BY DATE		NO. DATE	
MICRO-FILM INFORMATION		NO. BY DATE		NO. DATE	
RECORDED BY: SURVEY-TAK, INC.		NO. BY DATE		NO. DATE	
DATE: 8/02		NO. BY DATE		NO. DATE	

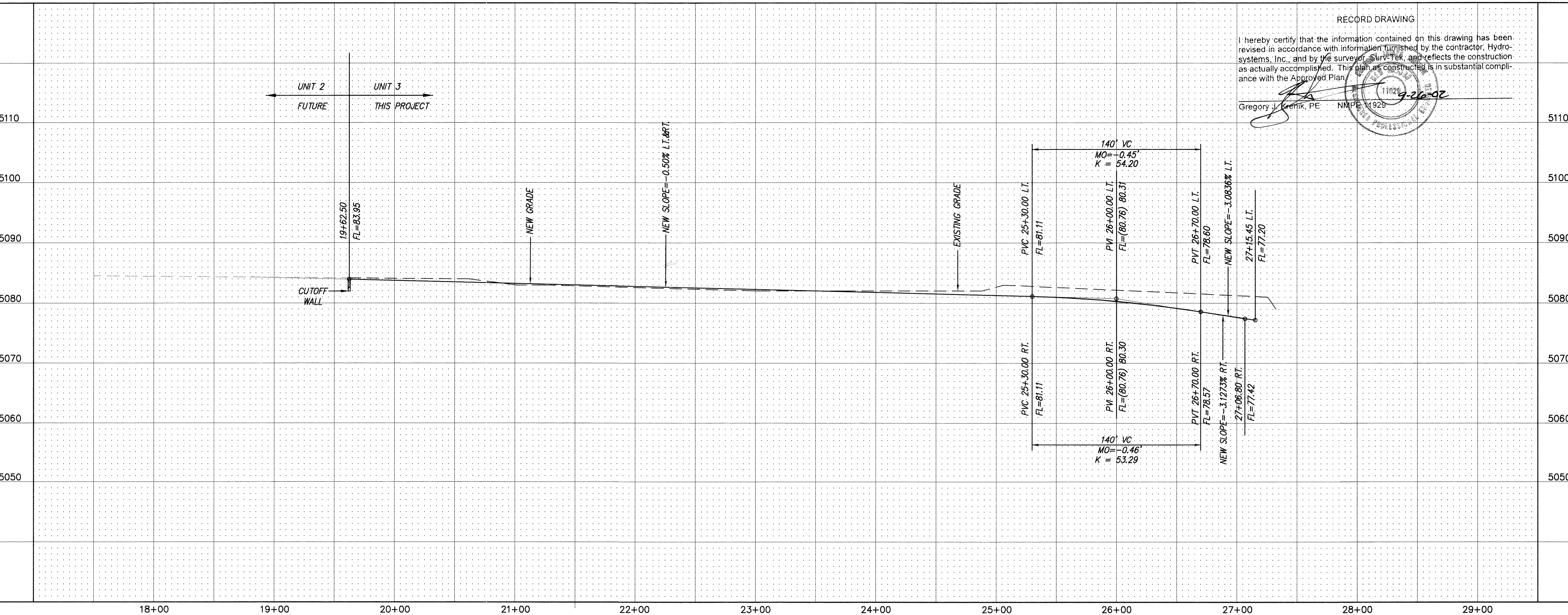
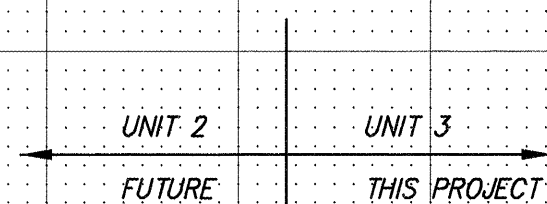


EUCARIZ ROAD SW
STA. 18+80.00 TO STA. 27+31.59
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-systems, Inc., and by the surveyor, Surv-Tek, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Gregory J. Krenik, PE · NMPE 11929



CURVE DATA - DESCRIBES NEW FACE OF CURB

① $\Delta = 89^{\circ}59'51''$
 $R = 25.00'$
 $L = 39.27'$
 $T = 25.00'$

② $\Delta = 89^{\circ}59'51''$
 $R = 25.00'$
 $L = 39.27'$
 $T = 25.00'$

③ $\Delta = 102^{\circ}12'27''$
 $R = 25.00'$
 $L = 44.60'$
 $T = 30.99'$

④ $\Delta = 77^{\circ}47'34''$
 $R = 25.00'$
 $L = 33.94'$
 $T = 20.17'$

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES						
NO.	BY	DATE				
			CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"		CONTRACTOR <u>HYDRO SYSTEMS INC.</u>	
			NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE		WORK STARTED BY <u>SUBV-TEE INC.</u> DATE	
			X = 358,716.71, Y = 1,483,676.54		BY ACCEPTANCE BY <u>MCA FOR BUREAU</u> DATE	
			DELTA ALPHA = -0°17"		FIELD DRAWINGS BY <u>SURV TEL</u> DATE	
			G - G = 0.99987921		CORRECTED BY <u>SURV TEL</u> DATE	
			ELEVATION = 5095.142		MICRO-FILM INFORMATION	
					RECORDED BY DATE	
					NO. DATE	

A circular seal of the American Society of Mechanical Engineers (ASME). The outer ring contains the text "AMERICAN SOCIETY OF MECHANICAL ENGINEERS" at the top and "FUND. 1880" at the bottom. The inner circle contains the text "1880" and "2-23-01". A signature is written across the seal.

NO.	DATE	REMARKS	BY
<i>REVISIONS</i>			
<i>DESIGN</i>			
DESIGNED BY	<i>GJK</i>	DATE	<i>4/99</i>
DRAWN BY	<i>MLV</i>	DATE	<i>4/99</i>
CHECKED BY	<i>DMG</i>	DATE	<i>4/99</i>

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
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(505) 828-2200, FAX (505) 797-9539

 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ENCANTO VILLAGE - UNIT 3
PAVING IMPROVEMENTS**

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

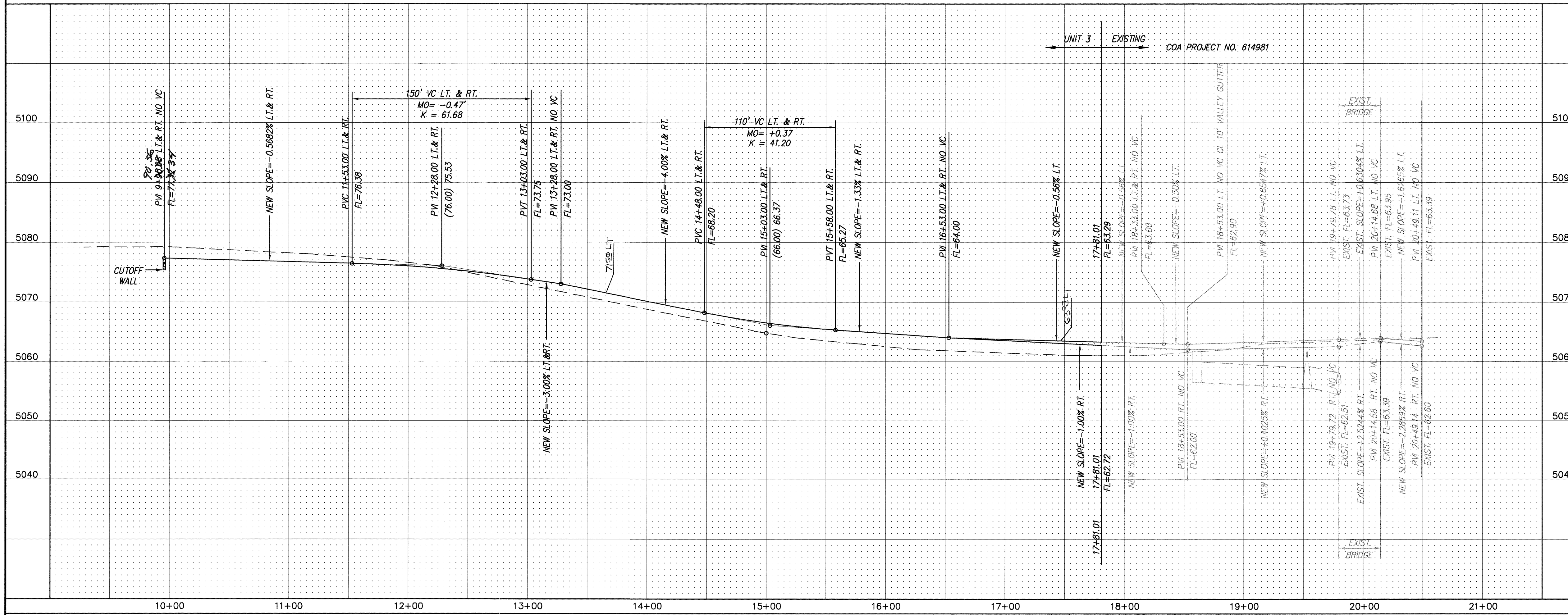
FEB 13 1994

CITY OF BIRMINGHAM

LAST DESIGN UPDATE

[illegible]

CITY PROJECT NO. 6339.81	ZONE MAP NO. L-10-Z	SHEET 9	OF 20
------------------------------------	-------------------------------	-------------------	-----------------



CURVE DATA — DESCRIBES NEW FACE OF CURB

① $\Delta = 102^{\circ}12'27''$
 $R = 25.00'$
 $L = 44.60'$
 $T = 30.99'$

② $\Delta = 77^{\circ}47'34''$
 $R = 25.00'$
 $L = 33.94'$
 $T = 20.17'$

③ $\Delta = 90^{\circ}15'31''$
 $R = 25.00'$
 $L = 39.38'$
 $T = 25.11'$

④ $\Delta = 89^{\circ}44'28''$
 $R = 25.00'$
 $L = 39.16'$
 $T = 24.89'$

⑤ $\Delta = 03^{\circ}34'53''$
 $R = 320.00'$
 $L = 20.00'$
 $T = 10.00'$

⑥ $\Delta = 03^{\circ}34'53''$
 $R = 280.00'$
 $L = 17.50'$
 $T = 8.75'$

⑦ $\Delta = 06^{\circ}45'31''$
 $R = 320.00'$
 $L = 37.75'$
 $T = 18.90'$

⑧ $\Delta = 90^{\circ}00'00''$
 $R = 30.00'$
 $L = 47.12'$
 $T = 30.00'$

⑨ $\Delta = 90^{\circ}00'00''$
 $R = 30.00'$
 $L = 47.12'$
 $T = 30.00'$

CURVE DATA - DESCRIBES CENTERLINE	
① $\Delta = 03^{\circ}34'53''$	② $\Delta = 02^{\circ}44'38''$
$R = 300.00'$	$R = 300.00'$
$L = 18.75'$	$L = 14.37'$
$T = 9.38'$	$T = 7.18'$

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-systems, Inc., and the surveyor, John Tek, and reflects the construction as actually accomplished. This shall be considered as a substantial compliance with the Approved Plan.

[Signature]
Gregory J. Yenik, PE

NMPE 1920

7-26-02

PROFESSIONAL ENGINEER
STATE OF NEW MEXICO

26	6339.81	1003
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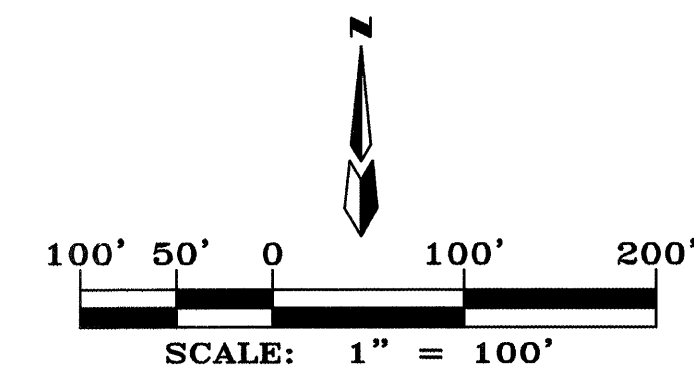
 MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200 FAX (505) 797-9539

 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ENCANTO VILLAGE - UNIT 3
PAVING IMPROVEMENT**

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
6339.81	L-10-Z	10	20

[illegible]



8069BSG\UNIT3\8069MUTL\02-20-01\WLV,MJR,KJS

RECORD DRAWING

I hereby certify that the information contained on this drawing has been reviewed in accordance with information furnished by the contractor, Hydro-systems, Inc., and by the surveyor Surv-Tek, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.



Gregory A. Krenik, PE NMPE 13829 726-02

	CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP
	TITLE: <i>ENCANTO VILLAGE- UNIT 3 MASTER UTILITY PLAN</i>

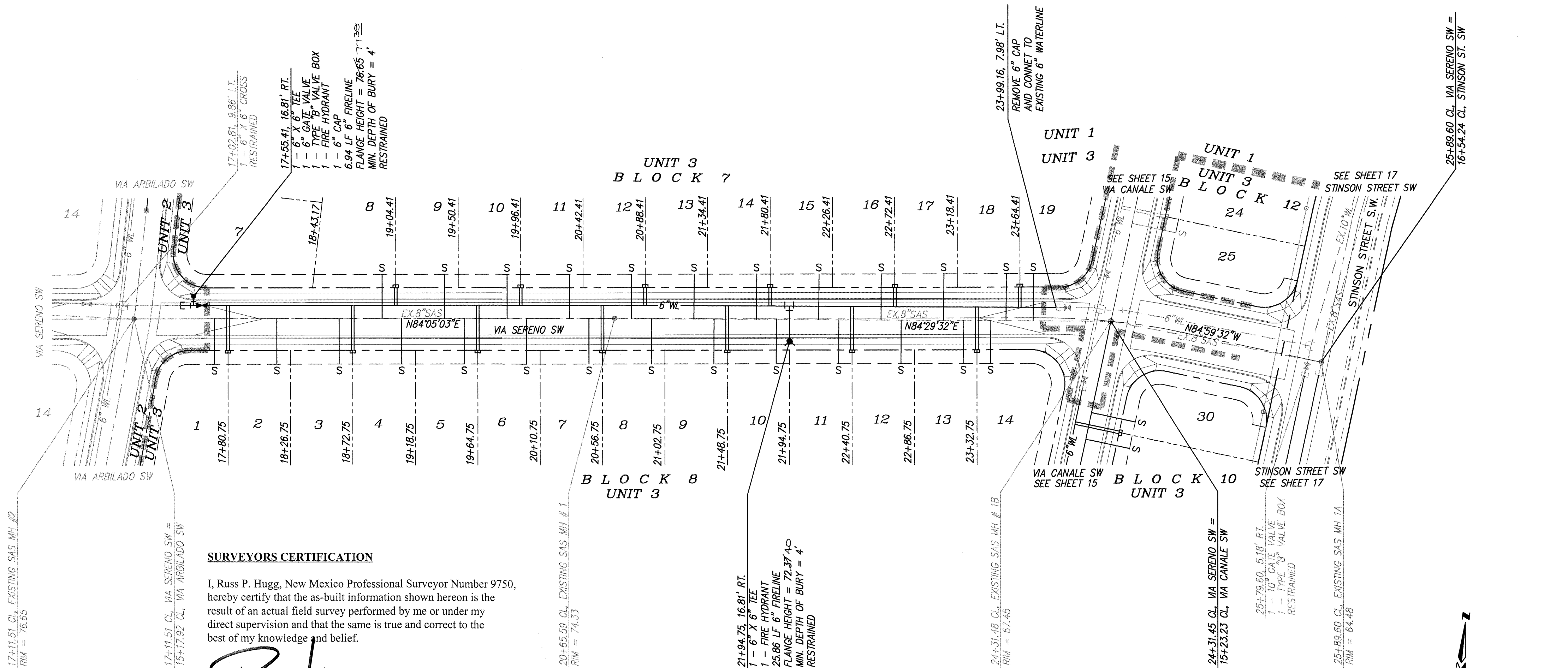
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
DESIGN REVIEW COMMITTEE				
CITY PROJECT NO.	6339.81	ZONE MAP NO.	L-10-Z	SHEET 11 OF 20

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES		CITY OF ALBUQUERQUE ACS MONUMENT	BENCH MARKS	CONTRACTOR	AS BUILT INFORMATION
	BY	DATE				
			"7"-M10"		HYDRA SYSTEMS INC	
			NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE		WORK STARTED BY SCURT-TEL INC DATE	
			X = 358,716.71, Y = 1,483,676.54		INSPECTOR'S FIELD VERIFICATION BY DATE	
			DELTA ALPHA = -0.617"		1464 PAN PHOTOGRAPH	
			G - G = 0.99967821		SCURT-TEL INC DATE 9/02	
			ELEVATION = 5095.142		RECORDED BY MICRO-FILM INFORMATION	
					NO.	

ENGINEER'S SEAL

[illegible]

SCANNED BY
MESA REPRO

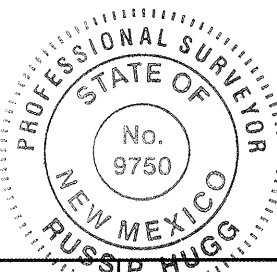


SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750

7.18.20



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-systems, Inc., and by the surveyor, Russ P. Hugg, reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the approved plan.

Gregory Krenik, PE
NMPS 11929

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
8	1	17+80.75	70.97	33.00'
8	2	18+16.75	71.25	33.00'
8	3	18+62.75	71.48	33.00'
8	4	19+08.75	71.52	33.00'
8	5	19+54.75	70.13	33.00'
8	6	20+00.75	69.63	33.00'
8	7	20+46.75	68.33	33.00'
8	8	20+92.75	67.43	32.81'
8	9	21+38.75	66.53	32.48'
8	10	21+84.75	65.63	32.15'
8	11	22+30.75	64.74	31.83'
8	12	22+76.75	63.84	31.50'
8	13	23+22.75	62.94	31.17'
8	14	23+68.75	62.04	30.84'
7	8	18+94.41	71.25	33.00'
7	9	19+40.41	70.41	33.00'
7	10	19+86.41	69.57	33.00'
7	11	20+32.41	68.61	33.00'
7	12	20+78.41	67.71	33.09'
7	13	21+24.41	66.81	33.42'
7	14	21+70.41	65.91	33.74'
7	15	22+16.41	65.02	34.07'
7	16	22+62.41	64.12	34.40'
7	17	23+08.41	63.22	34.73'
7	18	23+54.41	62.32	35.05'
7	19	23+74.41	61.74	35.20'

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	-	-	46'
8"	22'	9'	4'	2'	60'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
8"x8"x8"	13'	3'
8"x8"x6"	7'	5'
6"x6"x6"	10'	2'

26 6339.81 1203



MARK GOODWIN & ASSOCIATES, P.A.
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ENCANTO VILLAGE - UNIT 3
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

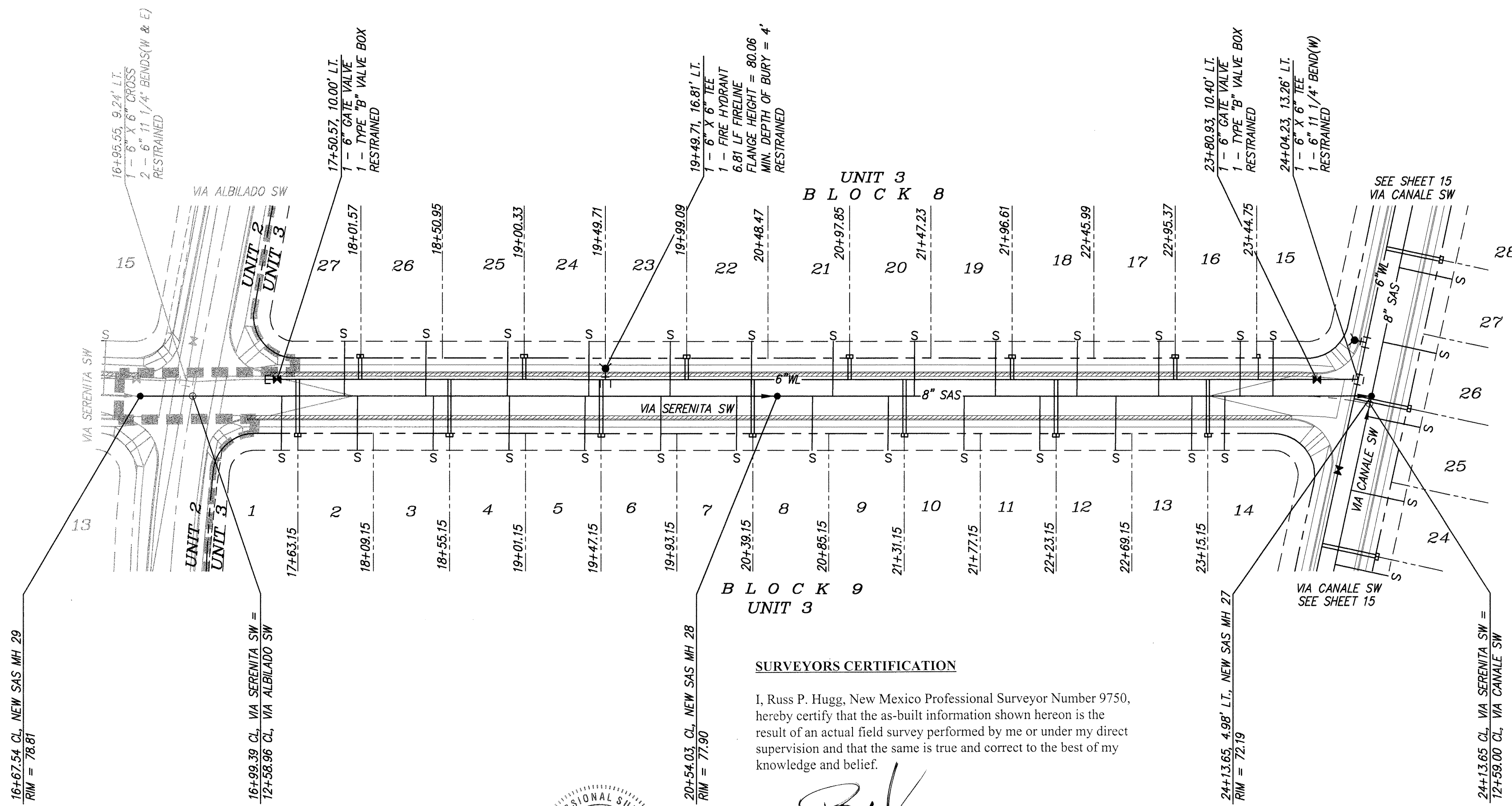
CITY PROJECT NO. 6339.81

ZONE MAP NO. L-10-Z

SHEET 12 OF 20

8069BSG\UNIT3\8069UT5\02-21-01\ MJR

SCANNED BY
MESA REPRO



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750

7.18.20

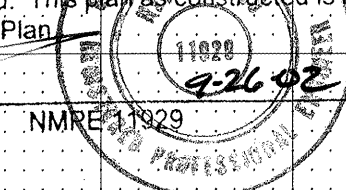


VIA SERENITA SW
STA. 16+67.54 TO STA. 24+13.65
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, Inc., and by the surveyor's field notes, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Gregory A. Krenik, PE



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
9	1	17+53.15	72.86	33.00'
9	2	17+98.15	73.21	33.00'
9	3	18+43.15	73.57	33.00'
9	4	18+91.15	73.90	33.00'
9	5	19+37.15	73.43	33.00'
9	6	19+83.15	72.71	33.00'
9	7	20+29.15	71.99	33.00'
9	8	20+75.15	71.27	33.00'
9	9	21+21.15	70.55	33.00'
9	10	21+67.15	69.83	33.00'
9	11	22+13.15	69.11	33.00'
9	12	22+59.15	68.39	33.00'
9	13	23+05.15	67.67	33.00'
9	14	23+51.15	66.95	33.00'
9	15	23+97.15	66.23	33.00'
9	16	23+97.15	65.51	33.00'
9	17	23+97.15	64.79	33.00'
9	18	23+97.15	64.07	33.00'
9	19	23+97.15	63.35	33.00'
9	20	23+97.15	62.63	33.00'
9	21	23+97.15	61.91	33.00'
9	22	23+97.15	61.19	33.00'
9	23	23+97.15	60.47	33.00'
9	24	23+97.15	59.75	33.00'
9	25	23+97.15	59.03	33.00'
9	26	23+97.15	58.31	33.00'
9	27	23+97.15	57.59	33.00'

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	—	—	46'
8"	22'	9'	4'	2'	60'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)

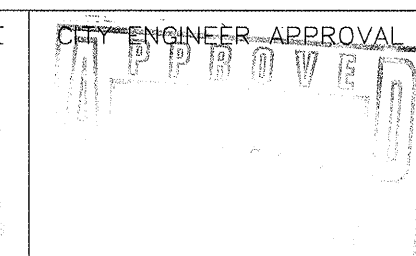
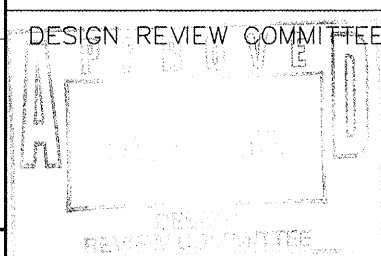
PIPE SIZE	RUN	BRANCH
8"x8"x8"	13'	3'
8"x8"x6"	7'	5'
6"x6"x6"	10'	2'

26 6339.81 13013

dmg MARK GOODWIN & ASSOCIATES, P.A.
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(505) 828-2200, FAX (505) 797-9539

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP**

TITLE: **ENCANTO VILLAGE - UNIT 3
UTILITY IMPROVEMENTS**



LAST DESIGN UPDATE

CITY PROJECT NO. **6339.81** ZONE MAP NO. **L-10-Z** SHEET **13** OF **20**

8069B5G\UNIT3\8069UT7\02-21-01\MJR



I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750

9.18, 2002

VIA COMETA SW
STA. 17+14.78 TO STA. 23+82.15
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES				
BLOCK	LOT	STATION AT PUE	INV. AT ELEV.	LENGTH AT PUE
10 X	4	17+30.54	74.63 Y	33.00'
10 X	5	17+77.54	75.51 Y	33.00'
10 X	6	18+23.54	75.79 Y	33.00'
10 X	7	18+69.54	76.14 Y	33.00'
10 X	8	19+15.54	76.40 Y	33.00'
10 X	9	19+61.54	76.10 Y	33.00'
10 X	10	20+07.54	75.43 Y	33.00'
10 X	11	20+53.54	74.76 Y	33.00'
10 X	12	20+99.54	74.09 Y	33.00'
10 X	13	21+45.54	73.42 Y	33.00'
10 X	14	21+91.54	72.75 Y	33.00'
10 X	15	22+37.54	71.90 Y	33.00'
10 X	16	22+83.54	71.41 Y	33.00'
10 X	17	23+34.54	70.55 Y	33.00'
10 X	18	23+55.12	70.20 Y	67.16'
9 X	15	23+24.45	70.81 Y	33.00'
9 X	16	23+04.45	71.10 Y	33.00'
9 X	17	22+56.21	71.01 Y	33.00'
9 X	18	22+07.96	72.51 Y	33.00'
9 X	19	21+59.72	73.22 Y	33.00'
9 X	20	21+11.48	73.92 Y	33.00'
9 X	21	20+63.21	74.62 Y	33.00'
9 X	22	20+14.99	75.33 Y	33.00'
9 X	23	19+66.75	76.03 Y	33.00'
9 X	24	19+18.50	76.40 X	33.00'
9 X	25	18+70.26	76.14 X	33.00'
9 X	26	18+22.02	75.77 X	33.00'
9 X	27	17+73.78	75.40 X	33.00'

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydrosystems, Inc., and by the surveyor, Surveytek, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Gregory J. Krenik, PE · NMPE 11929

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	—	—	46'
8"	22'	9'	4'	2'	60'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. REINSTRAIN BRANCH AT FITTING ONLY
MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
8"x8"x8"	13'	3'
8"x8"x6"	7'	5'
6"x6"x6"	10'	2'

2	6	6	3	3	9	.	8	1	1	4	0	3
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dmc

MARK GOODWIN & ASSOCIATES, P.A.
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P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ***ENCANTO VILLAGE - UNIT
UTILITY IMPROVEMENTS***

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

DATE	ST
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5

MC

0./0

DAY

R.

MC

0./0

DAY

7

R.

1

CITY PROJECT NO. _____

ZONE MAP NO	
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	SHEE
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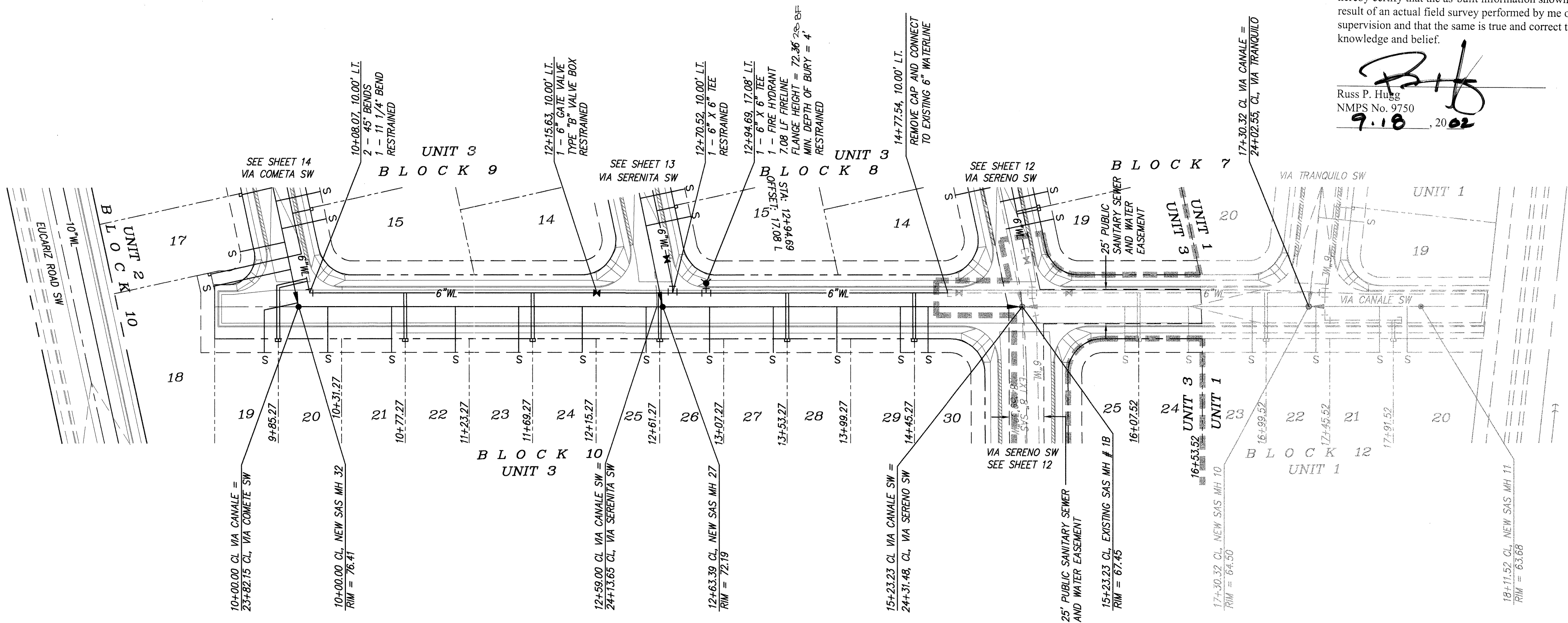
ET OF

6339.81

L-10-

Z	$14 \ 20$
-----	-----------

SCANNED BY
MESA REPRO



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
9.18.2002

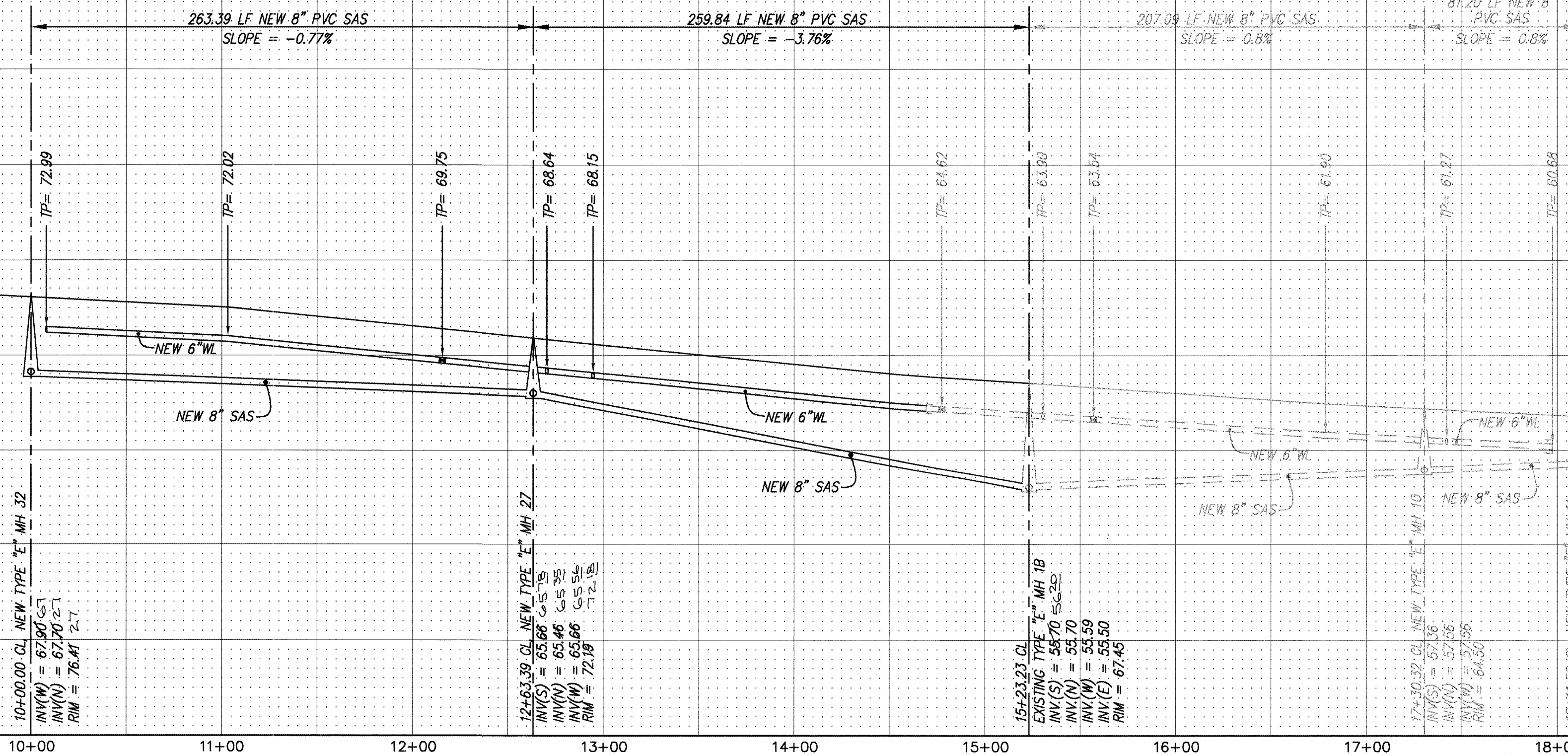
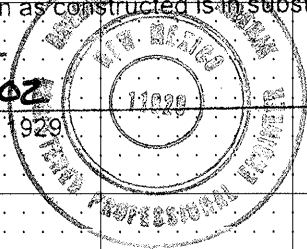


VIA CANALE
STA. 10+00.00 TO STA. 18+11.52
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, Inc., and by the surveyor, Sury-Tek, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Gregory Krenik, PE NMPE 11922



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
10	19	9+75.27	71.33'	55.31'
10	20	10+21.27	70.86'	33.00'
10	21	10+67.27	70.39'	33.00'
10	22	11+13.27	69.84'	33.00'
10	23	11+58.27	68.91'	33.00'
10	24	12+05.27	67.98'	33.00'
10	25	12+51.27	67.05'	33.00'
10	26	12+97.27	66.12'	33.00'
10	27	13+43.27	65.19'	33.00'
10	28	13+89.27	64.26'	33.00'
10	29	14+35.27	63.33'	33.00'
10	30	14+81.27	62.40'	33.00'
12	20	18+01.52	61.00'	33.00'
12	21	17+81.52	60.38'	33.00'
12	22	17+35.52	59.79'	33.00'
12	23	16+89.52	59.32'	33.00'
12	24	16+43.52	58.85'	33.00'
12	25	15+97.52	58.65'	33.00'

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	-	-	46'
8"	22'	9'	4'	2'	60'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
8"x8"x8"	13'	3'
8"x8"x6"	7'	5'
6"x6"x6"	10'	2'

2616339.811503

dmg

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

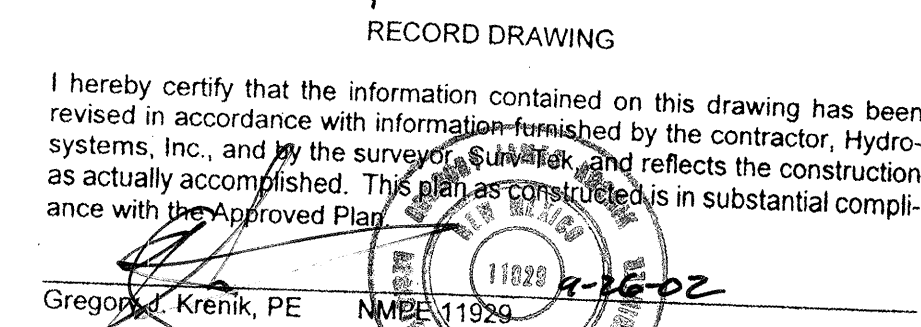
**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP**

**ENCANTO VILLAGE - UNIT 3
UTILITY IMPROVEMENTS**

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL
LAST DESIGN UPDATE

MO./DAY/YR. MO./DAY/YR.
NO. DATE REVISIONS BY
DESIGNED BY GJK DATE 4/99
DRAWN BY MJR KJS, WLJ DATE 4/99
CHECKED BY DMG DATE 4/99

CITY PROJECT NO. 6339.81 ZONE MAP NO. L-10-Z SHEET 15 OF 20



EUCARIZ ROAD SW
STA. 10+00.00 TO STA. 21+00.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



AS BUILT INFORMATION	CONTRACTOR	HYPDS SYSTEMS, INC.
	WORK	DATE
	BY SUBV-TEK INC.	
	INSP BY	1/02
	ACCEPTANCE BY M.G. JENNINGS	1/02
	FIELD	DATE 1/02
	VERIFICATION BY SUBV-TEK INC.	DATE 1/02
	DRAMA	DATE 1/02
	CORRECTED BY SUBV-TEK INC.	DATE 1/02
	MICRO-FILM INFORMATION	
	RECORDED BY	DATE
	NO.	

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-k10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71; Y = 1,483,676.54
DELTA ALPHA = -06°17"
G - G = 0.99967921
ELEVATION = 5095.142

[illegible][illegible]

UNIT GROUP	
<i>UNIT 3</i>	
<i>MENTS</i>	
MO./DAY/YR.	MO./DAY/YR.

O.	SHEET	OF
<i>O-Z</i>	<i>16</i>	<i>20</i>

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
10"	—	—	—	3'	72'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
10"x10"x10"	15'	5'
10"x10"x8"	10'	4'

26 6339.81 1603

 MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200 FAX (505) 797-9539

 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ***ENCANTO VILLAGE - UNIT 3
UTILITY IMPROVEMENTS***

DESIGN REVIEW COMMITTEE

APPROVED

10-1-88

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

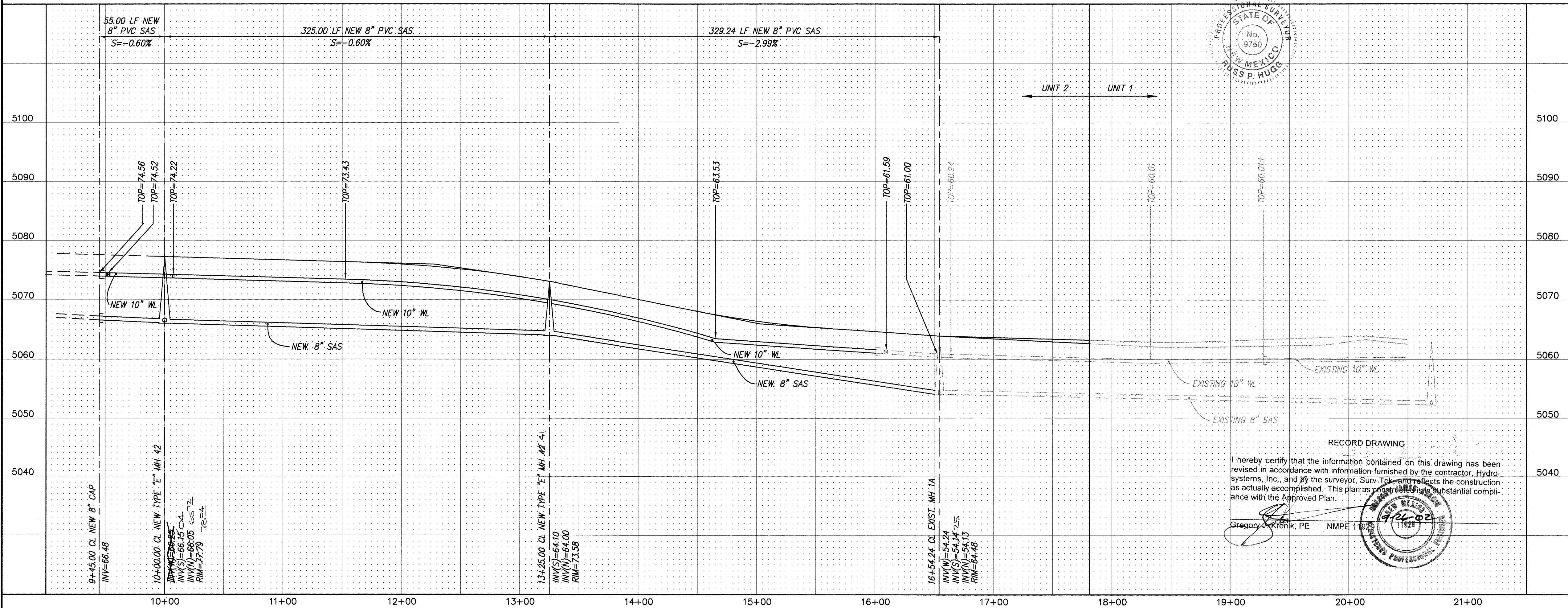
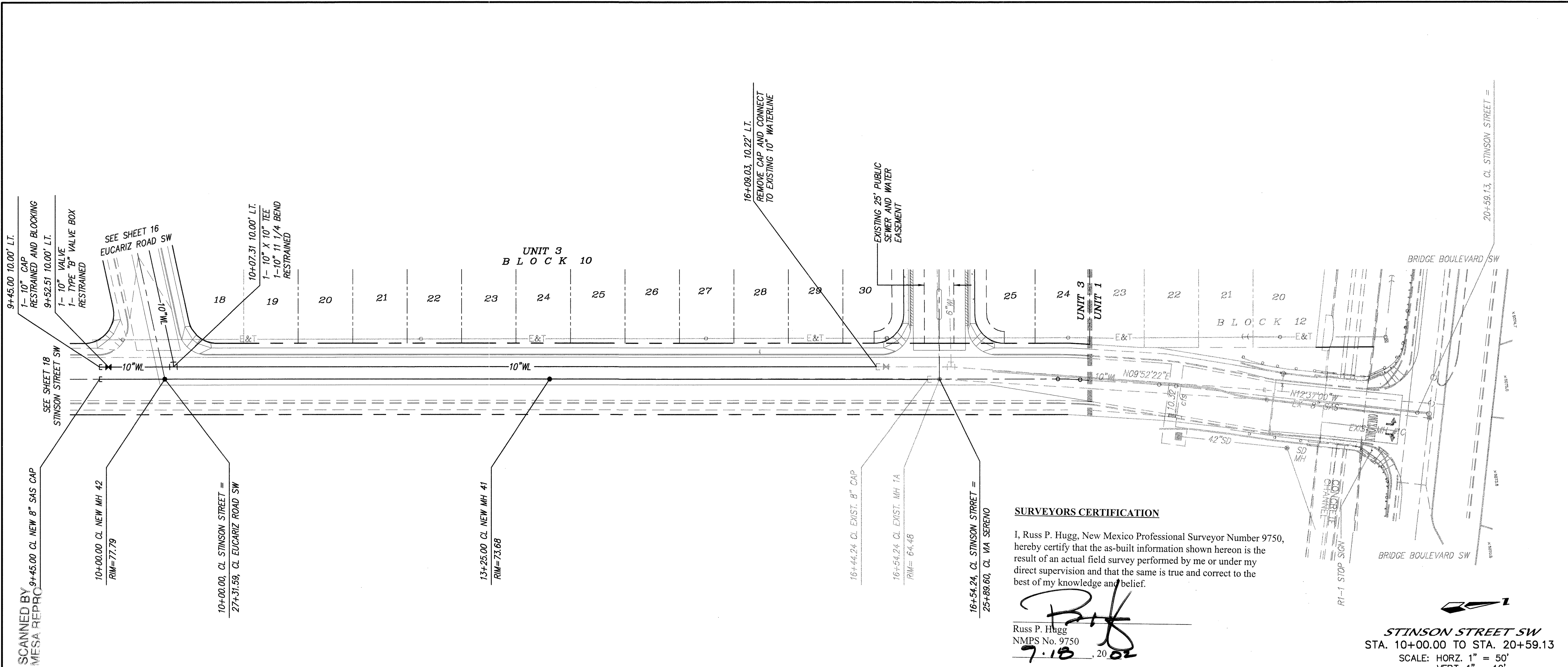
APPROVED

10-1-88

CITY ENGINEER

LAST DESIGN UPDATE

CITY PROJECT NO.	ZONE MAP NO.	SHEET OF
6339.81	L-10-Z	16 20



NOTES
1. ALL STATIONING IS CENTERLINE STATIONING.

AS-BUILT INFORMATION
CONTRACTOR: **Hydro Systems, Inc.**
STARTED BY: **Survey-Tek, Inc.**
DATE: **7/18/02**
INSPECTOR'S: **MAA**
FIELD CHANGE BY: **MAA**
DATE: **7/18/02**
VERIFICATION BY: **Survey-Tek, Inc.**
DATE: **9/02**
CORRECTED BY: **Survey-Tek, Inc.**
DATE: **9/02**
MICRO-FILM INFORMATION
RECORDED BY: **Survey-Tek, Inc.**
DATE: **9/02**
NO.

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54
DELTA ALPHA = -06'17"
G - G = 0.09967921
ELEVATION = 5095.142

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
PROFESSIONAL SURVEYOR
No. 9750
RUSS P. HUGG

REVISIONS
NO. DATE REMARKS BY
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6339.81 8/1/02 1703

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

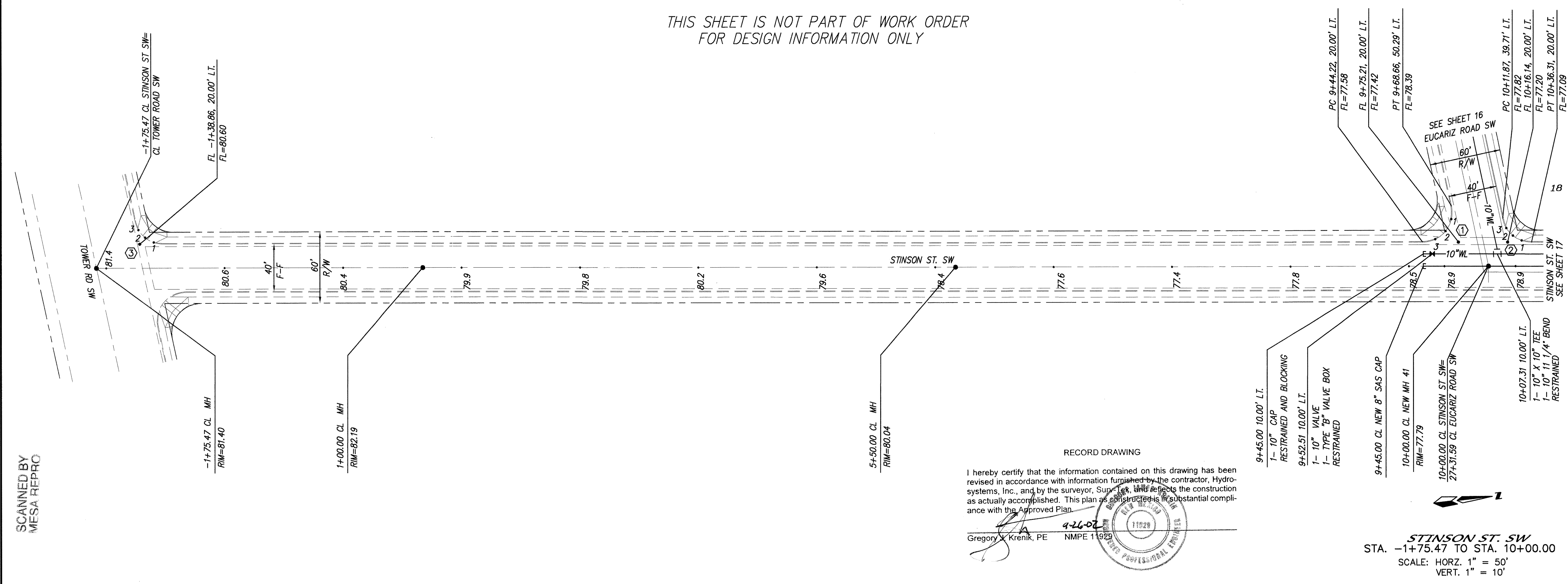
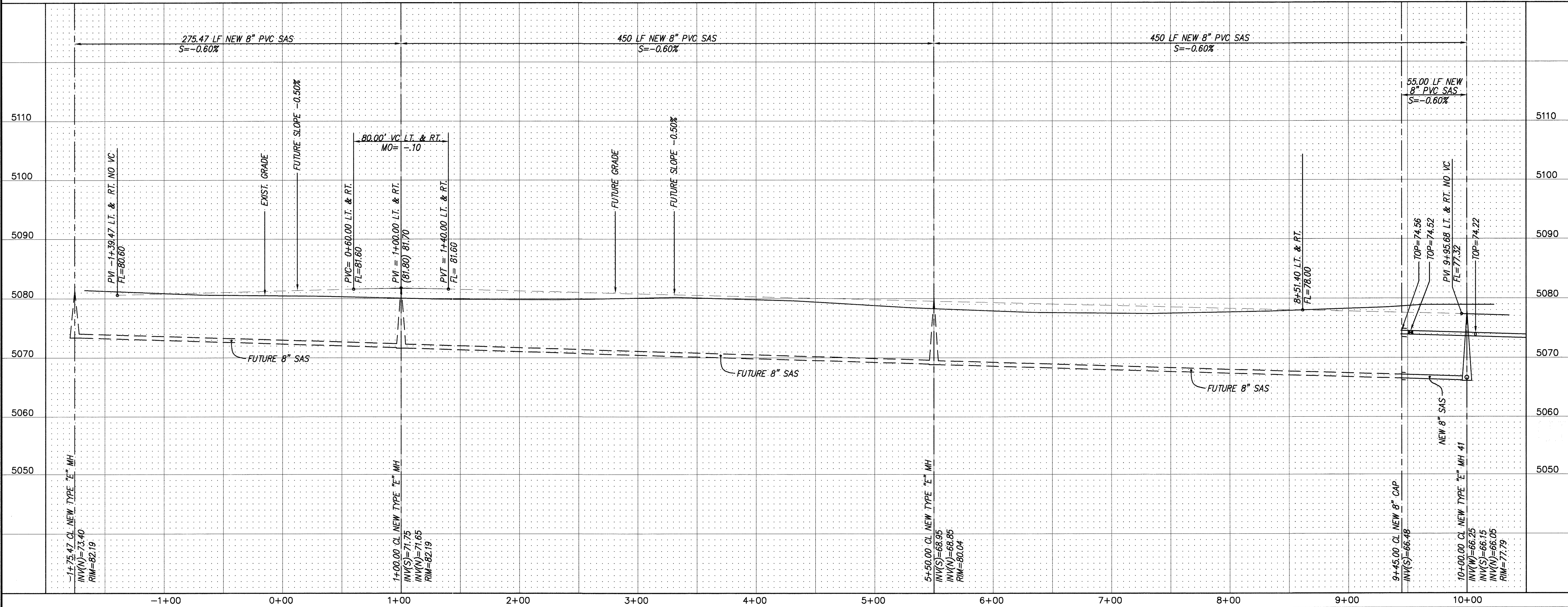
TITLE: **ENCANTO VILLAGE - UNIT 3
UTILITY IMPROVEMENTS**

DESIGN REVIEW COMMITTEE
APPROVED
DATE: **7/26/02**

CITY ENGINEER-APPROVAL
APPROVED
DATE: **7/26/02**

LAST DESIGN UPDATE
MO./DAY/YR. MO./DAY/YR.

CITY PROJECT NO. **6339.81** ZONE MAP NO. **L-10-Z** SHEET **17** OF **20**



THIS SHEET IS NOT PART OF WORK ORDER
FOR DESIGN INFORMATION ONLY

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro systems, Inc., and by the surveyor, Survey, Inc., and that the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Gregory V. Krenik, PE NMPE 11928
9-26-02

STINSON ST. SW
STA. -1+75.47 TO STA. 10+00.00
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'

FL ELEV.
1 77.78
2 77.99
3 77.81

FL ELEV.
1 77.64
2 77.46
3 77.27

NOTES
1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA - DESCRIBES NEW FACE OF CURB

① Δ = 102°12'27"	② Δ = 77°47'34"
R = 25.00'	R = 25.00'
L = 44.60'	L = 33.94'
T = 30.99'	T = 20.17'

③ Δ = 77°51'41"

R = 25.00'

L = 33.97'

T = 20.19'

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 1339.81 27 1803

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP**

TITLE: **ENCANTO VILLAGE - UNIT 3
UTILITY AND PAVING IMPROVEMENTS**

DESIGN REVIEW COMMITTEE APPROVED
MAR - 8 2001

CITY ENGINEER APPROVAL
FEB 13 1999

LAST DESIGN UPDATE

CITY PROJECT NO. **6339.81**

ZONE MAP NO. **L-10-Z**

SHEET **18** OF **20**

AS BUILT INFORMATION

CONTRACTOR: **HWA SYSTEMS, INC.**

INSPECTED BY: **SVR-TRE INC.**

DATE: **8/6/01**

VERIFICATION BY: **SVR-TRE INC.**

DATE: **9/6/01**

CONTRACT NO.: **5085.142**

MICRO-FILM INFORMATION

RECORDED BY: **NO.**

DATE: **NO.**

BENCH MARKS

CITY OF ALBUQUERQUE ACS MONUMENT "7-10"

NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE

X = 358,716.71, Y = 1,483,676.54

DELTA ALPHA = -0°17'

G - G = 0.99967921

ELEVATION = 5085.142

SURVEY INFORMATION

FIELD NOTES

NO. **NO.**

DATE **DATE**

BY **BY**

ENGINEER'S SEAL

11928

NEW MEXICO PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	REMARKS
1	5/99	DESIGN
2	5/99	BY DMG

DESIGNED BY: **GJK**

DRAWN BY: **KJS, WLV**

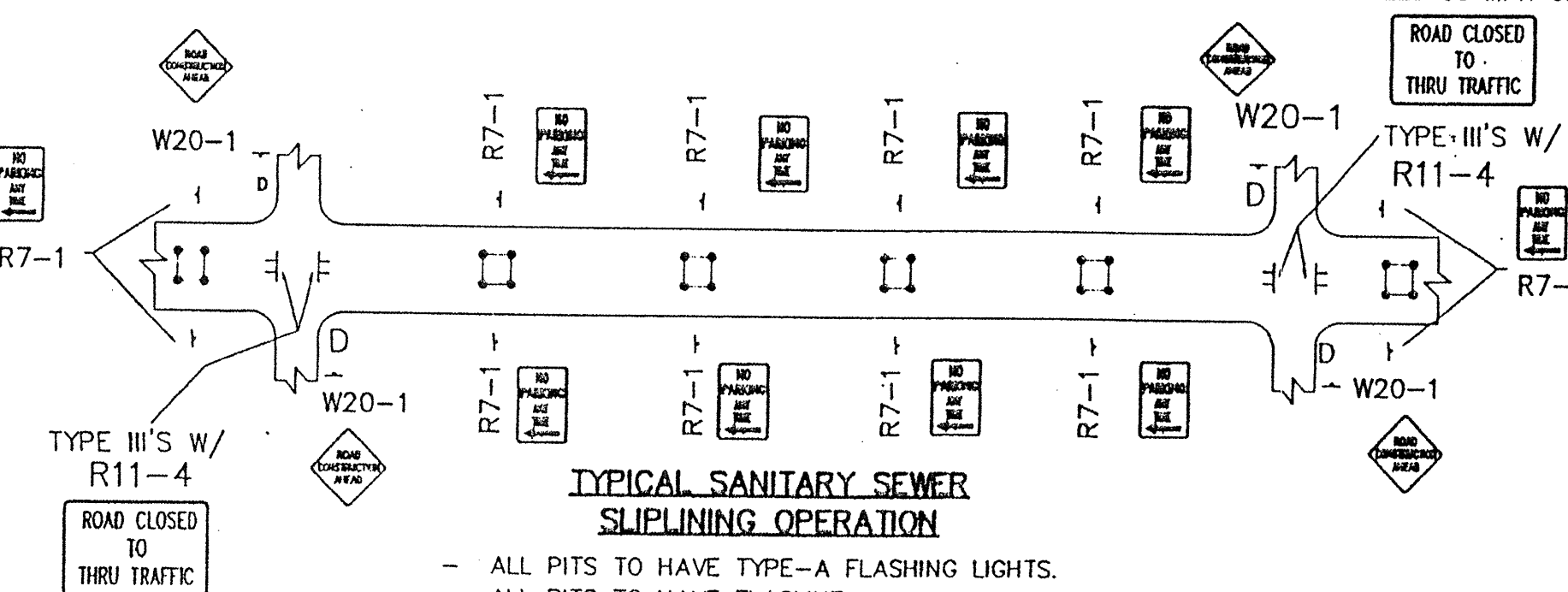
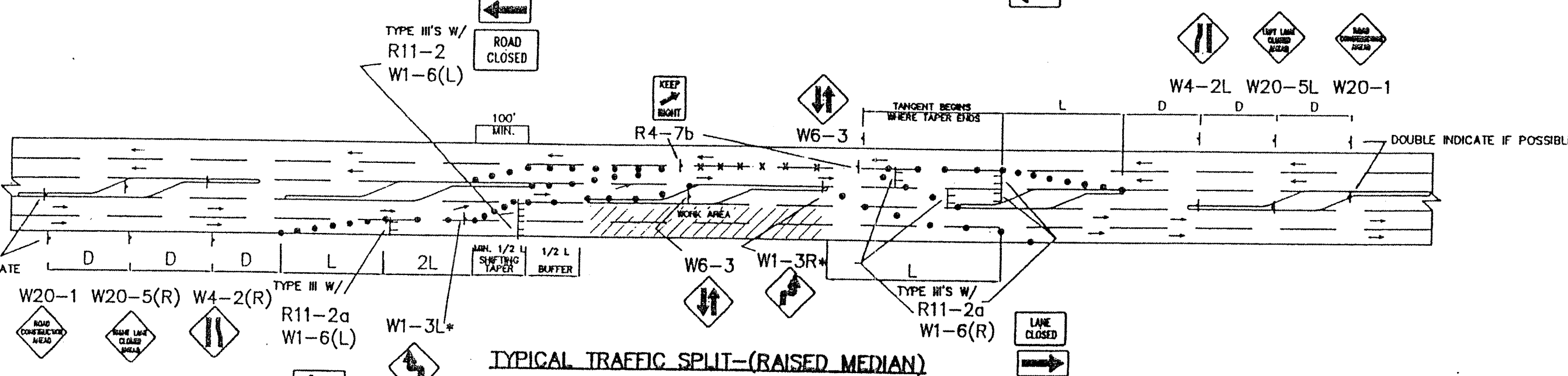
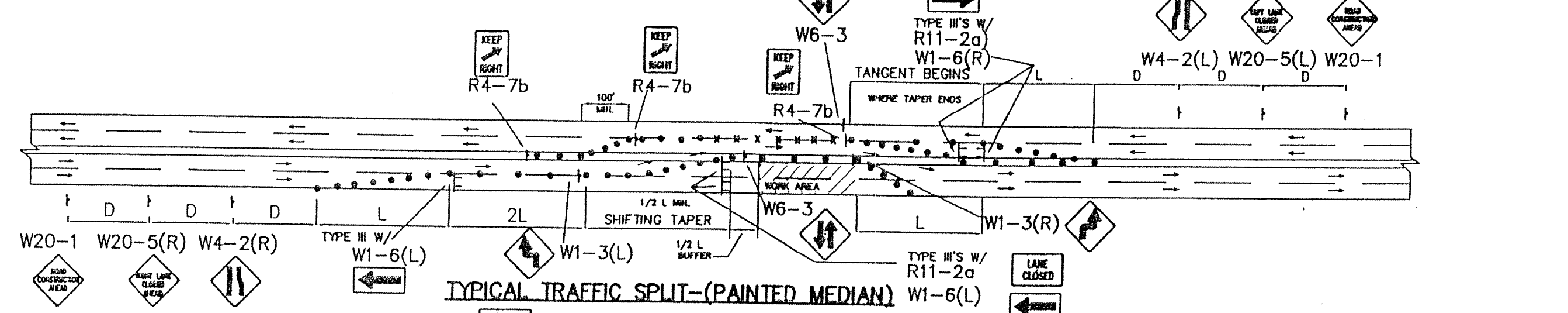
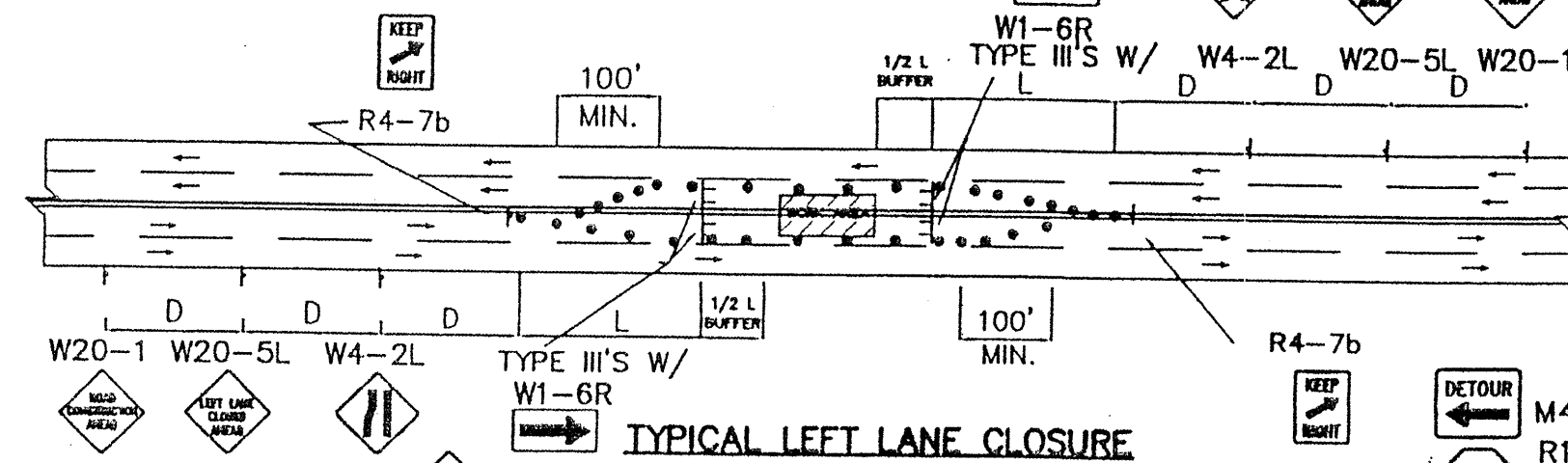
CHECKED BY: **DMG**

DATE: **5/99**

DATE: **5/99**

MO./DAY/YR.

MO./DAY/YR.

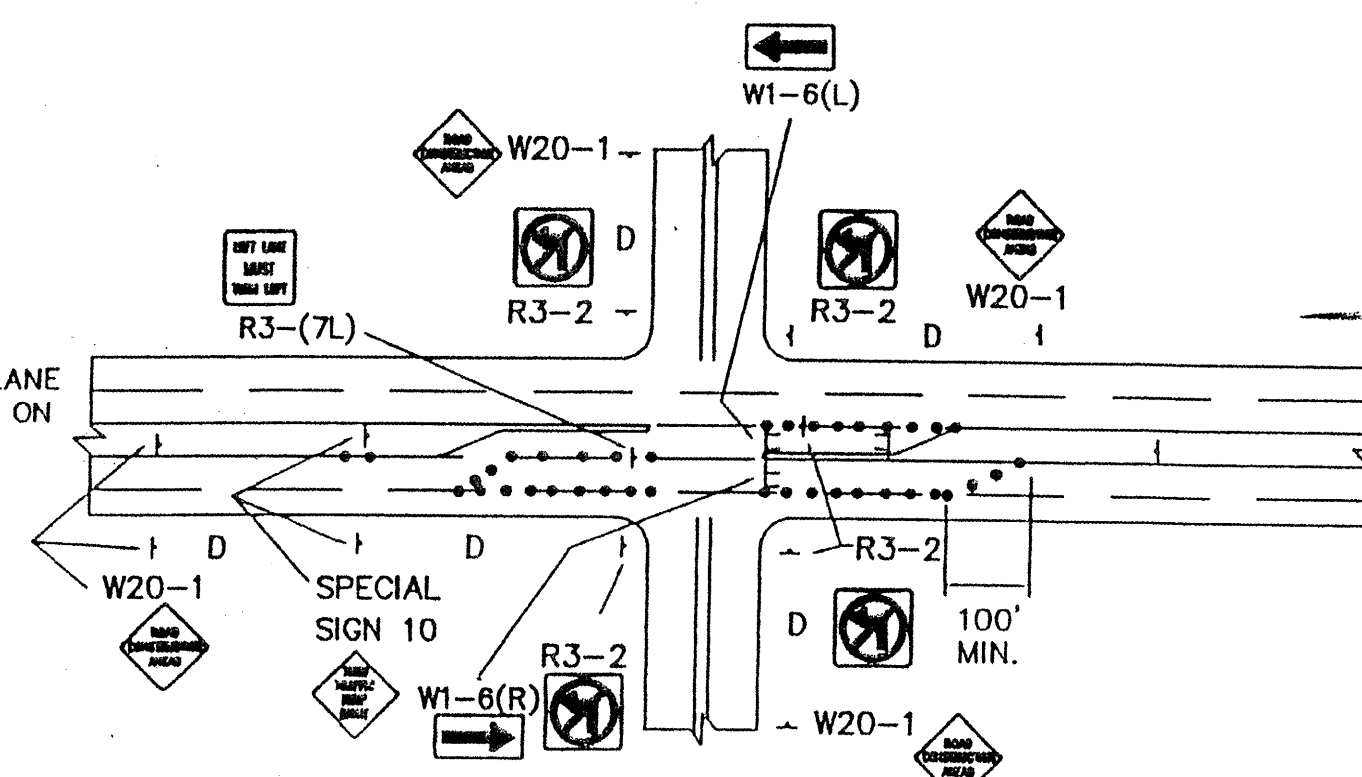
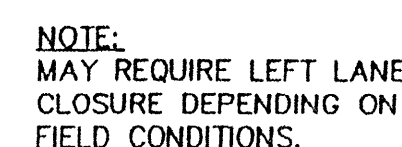


- TRAFFIC SPLIT NOTES:
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
 2. $1/2$ L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
 3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
 4. MEDIAN REMOVAL SHALL BE REQUIRED IF $1/2$ L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
 5. REDUCED SPEED MAY BE CONSIDERED.
 6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.

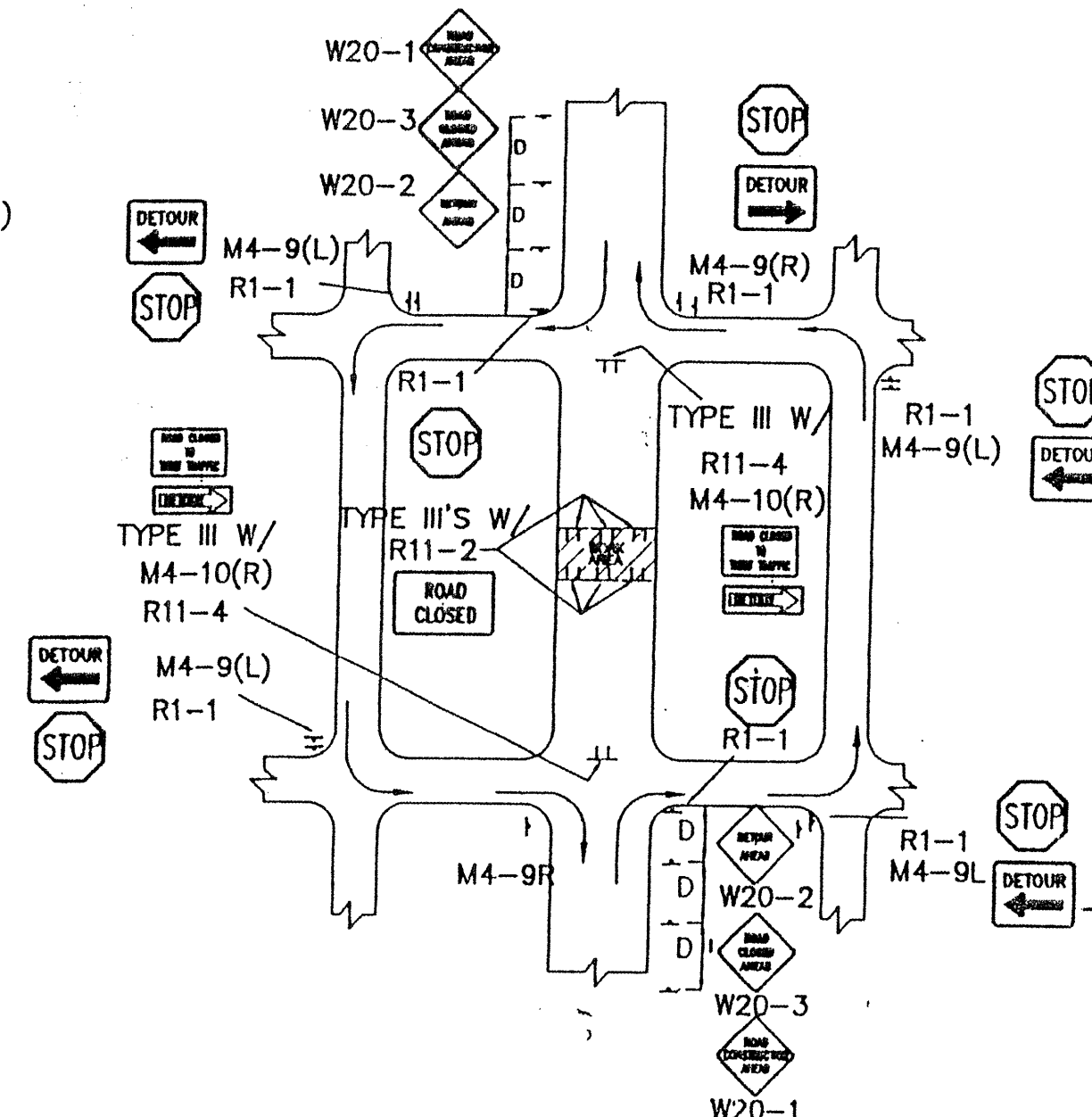
GENERAL NOTE:

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

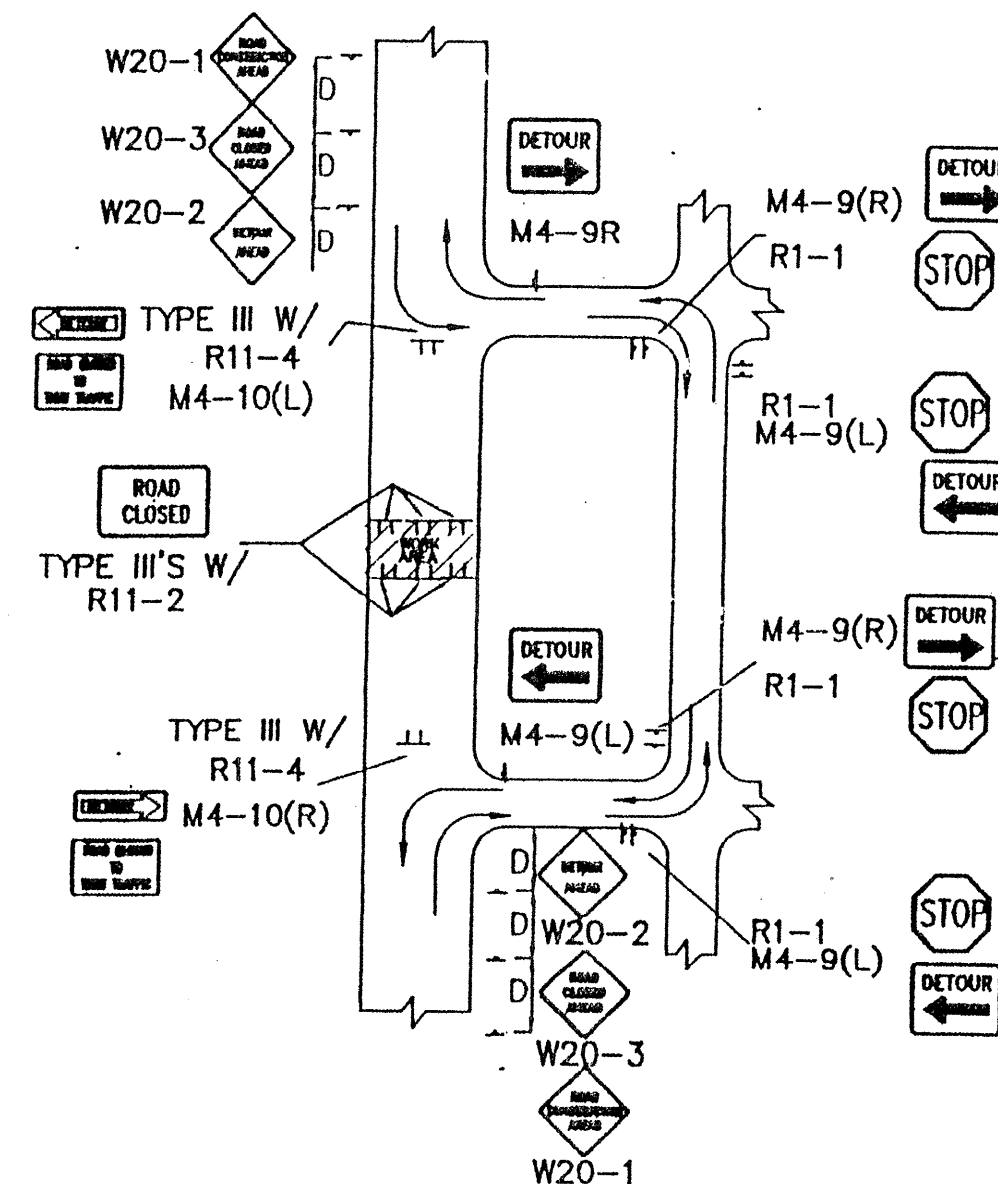
ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



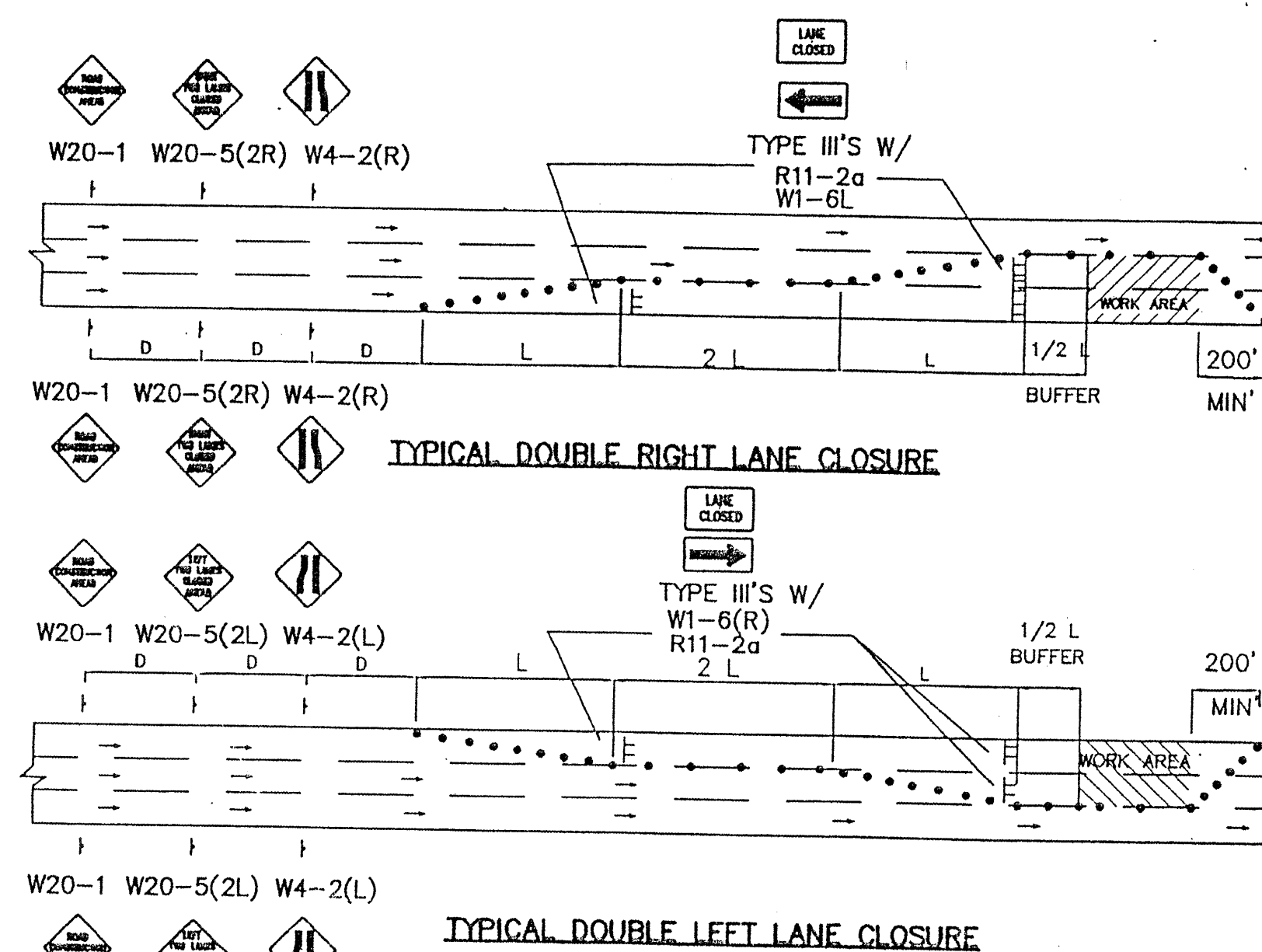
TYPICAL LANE CLOSURE AT INTERSECTION
NOTE: DEPENDING ON WORK ZONE LOCATION



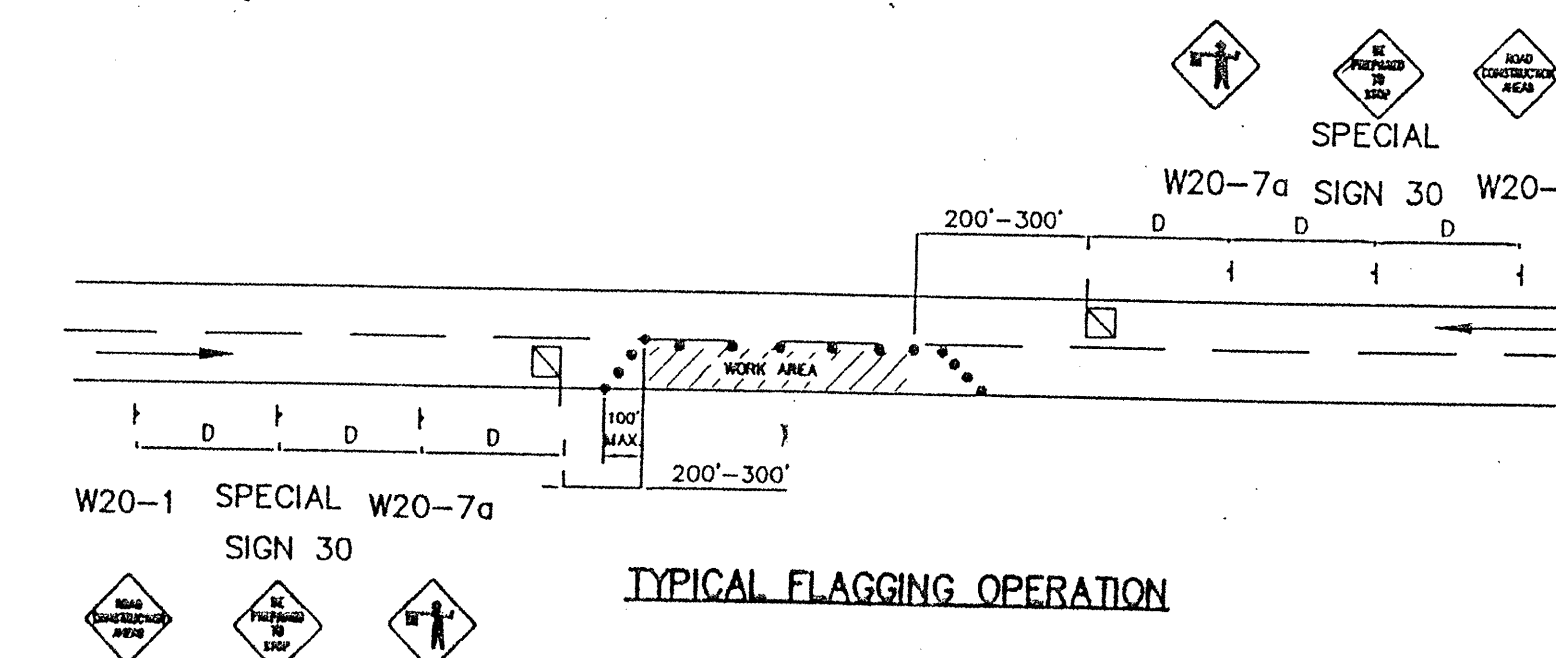
TYPICAL MID-BLOCK CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS



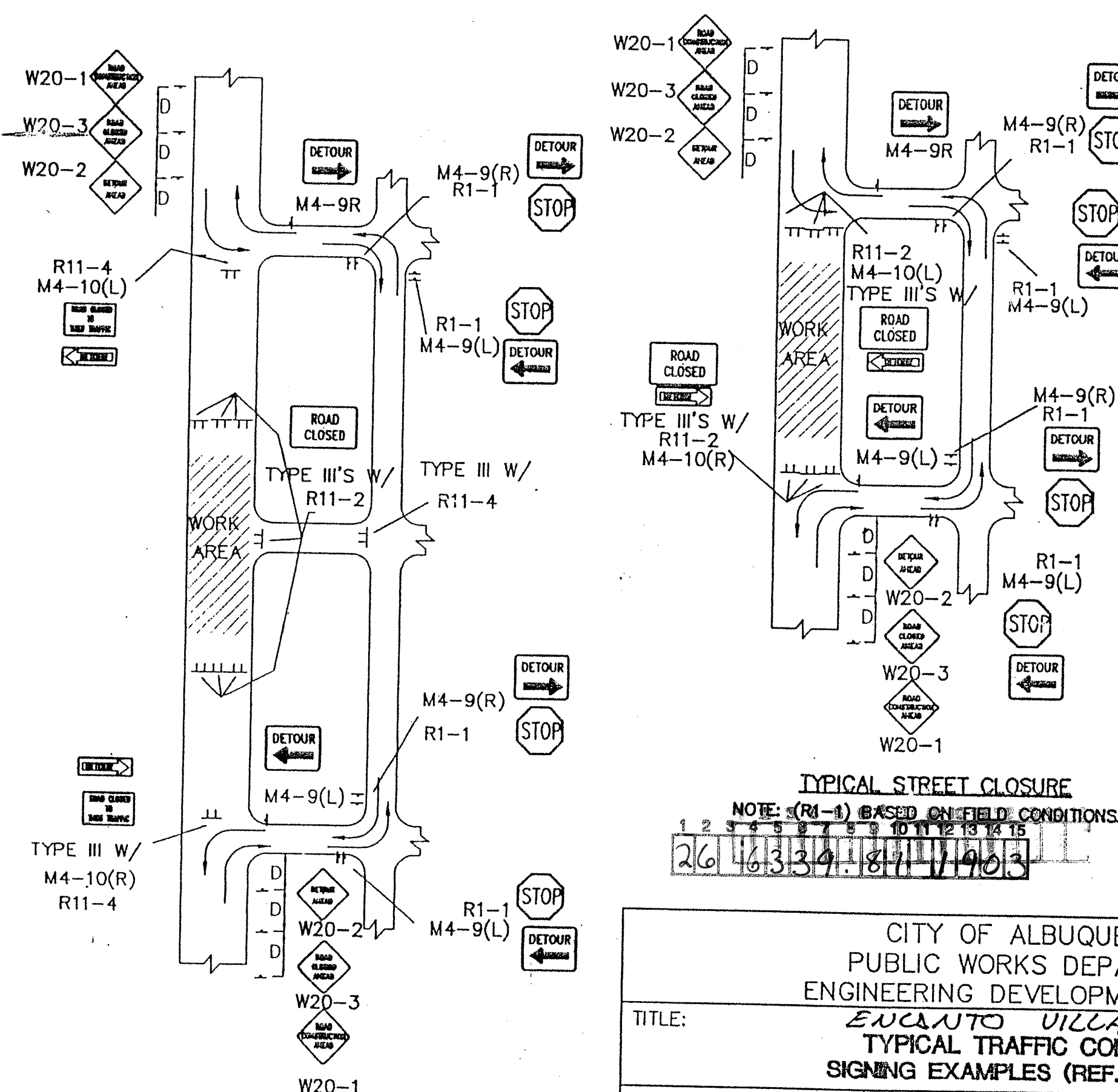
TYPICAL STREET CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26			6	3	3	9		8	1		1	9	0		

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP				
TITLE:		EUCANTO VILLAGE - UNIT 3 TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)		
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	
CDA	SM			MO./DAY/YR.
PROJECT NO.	6339.81	MAP NO.	L-10	
		SHEET	OF	
		19	20	

[illegible]

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
- CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.
- THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
- ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
- ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
- ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24-HOUR PER DAY BASIS UNTIL COMPLETED.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
- EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
- ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- 48 HOURS PRIOR TO OCCUPANCY OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
- ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
- STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 - SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

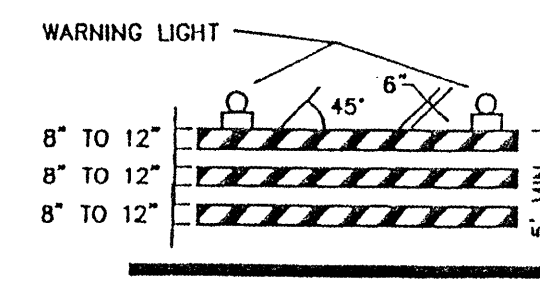
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

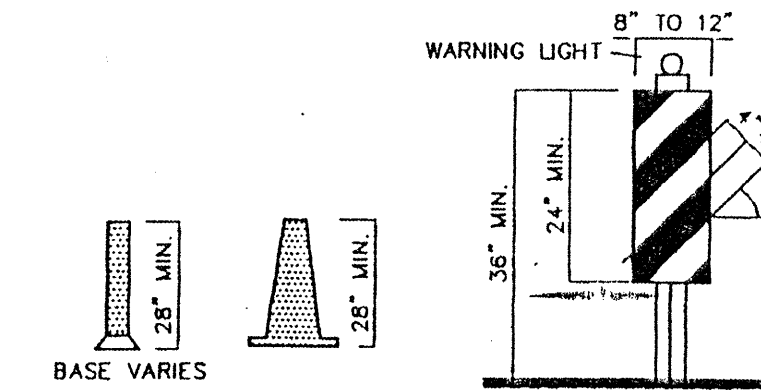
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

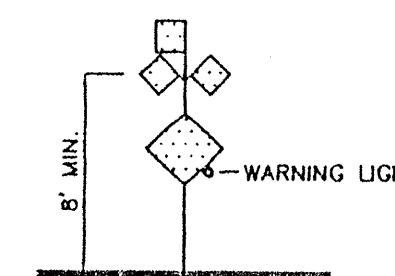
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



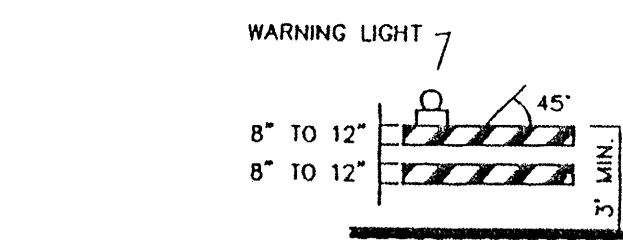
TYPE III BARRICADE



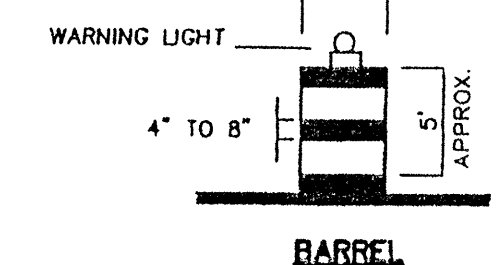
VERTICAL PANEL



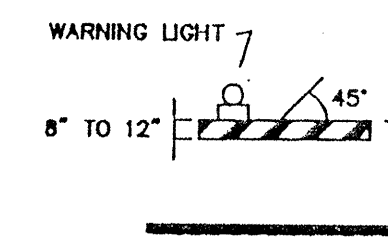
HIGH LEVEL WARNING DEVICE



TYPE II BARRICADE COLLAPSIBLE



BARREL



TYPE I BARRICADE COLLAPSIBLE

- LEGEND**
- WORK AREA
 - BARRICADE - TYPE I, TYPE II, OR BARREL
 - BARRICADE - TYPE III
 - VERTICAL PANEL
 - WARNING SIGN
 - DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
 - FLAGMAN POSITION
 - SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
 - TAPER LENGTH - SEE CHART BELOW
 - THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET	
	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

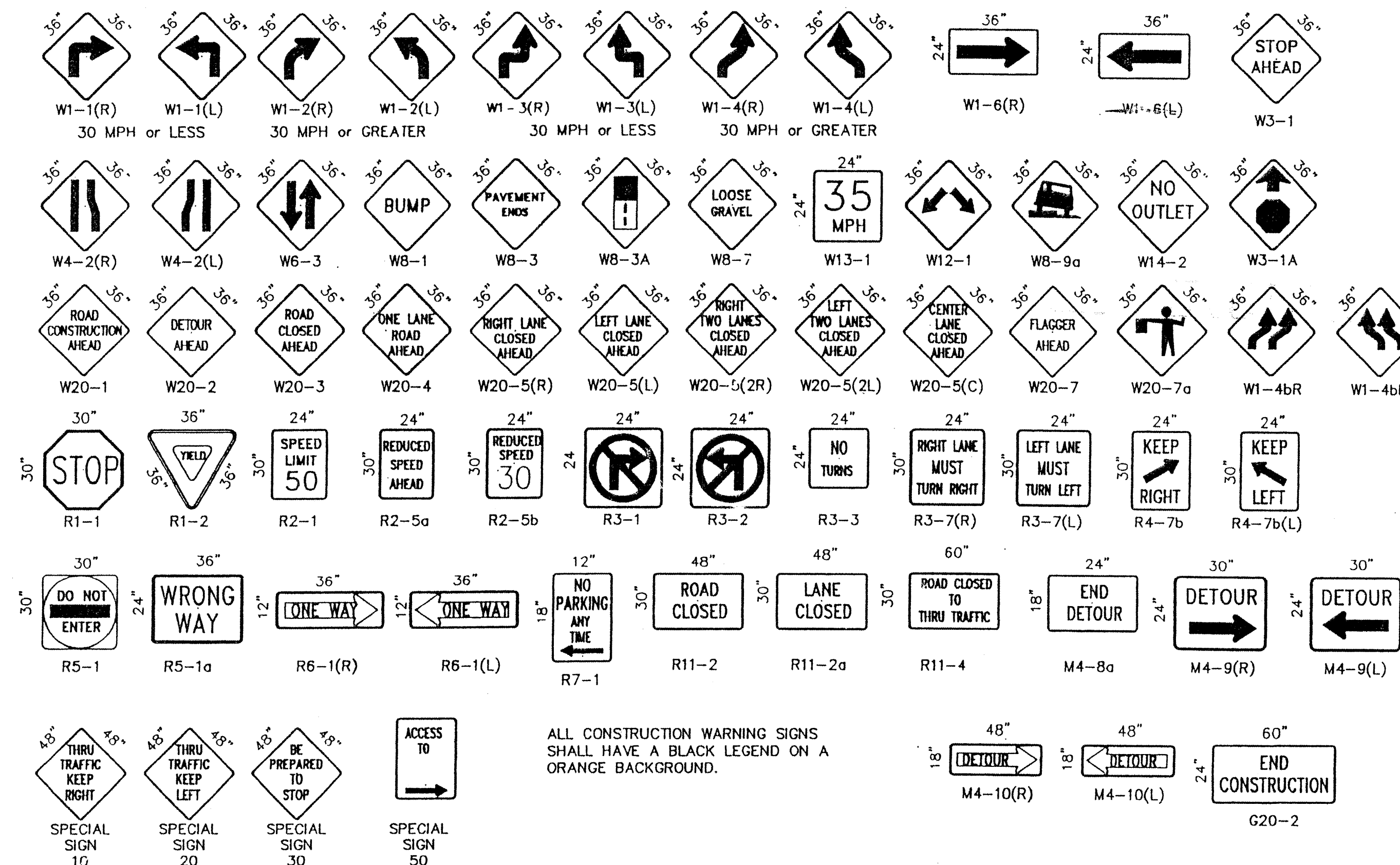
TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	BY	DATE	DATE	DATE	DATE	DATE	DATE
INSPECTED BY	DATE	INSPECTED BY	DATE								
VERIFIED BY	DATE	VERIFIED BY	DATE								
CHECKED BY	DATE	CHECKED BY	DATE								
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP TITLE: ENCAUNTO VILLAGE - UNIT 3 SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS DESIGN REVIEW COMMITTEE: <i>[Signature]</i> CITY ENGINEER APPROVAL: <i>[Signature]</i> PROJECT NO. 6339.81 MAP NO. L-10 SHEET 20 OF 20											