

FEDERAL PLAZA OFFICE PARK INFRASTRUCTURE IMPROVEMENTS

HOMESTEAD ROAD, 8 IN. WATER LINE, MADERIA CUL-DE-SACS, AND INTERSECTION IMPROVEMENTS

GENERAL NOTES

- HOMESTEAD ROAD CROSS SECTION SHALL MEET THE REQUIREMENTS OF CITY OF ALBUQUERQUE (COA) STANDARD DRAWING 2405.
- HOMESTEAD ROAD AND MADEIRA DRIVE CUL-DE-SAC PAVEMENT SECTIONS SHALL MEET THE REQUIREMENTS OF COA STANDARD DRAWING 2405 FOR A FLEXIBLE PAVEMENT SECTION.
- THE 5' SIDEWALK WITH HANDICAP RAMPS ON THE NORTH SIDE OF HOMESTEAD ROAD IS INCLUDED IN THIS PROJECT.
- ALL HOMESTEAD ROAD CURB RETURNS HAVE A 20' RADIUS UNLESS OTHERWISE NOTED.
- SEE SITE PLAN AND GRADING PLAN FOR CONSTRUCTION ITEMS OTHER THAN HOMESTEAD ROAD, THE 8" WATERLINE AND THE MADEIRA DRIVE CUL-DE-SACS.
- 8" WATERLINE SHALL BE 3' MIN. BURY.
- PRIOR TO 8" WATERLINE CONSTRUCTION, CONTRACTOR SHALL HORIZONTALLY AND VERTICALLY LOCATE CONNECTIONS TO 24" CONCRETE CYLINDER WATERLINE IN ALLEY AND TO 6" WATERLINE IN MADEIRA DRIVE. ELEVATIONS SHOWN ON SHEET C6 FOR THESE CONNECTIONS ARE ONLY APPROXIMATE.
- THE MECHANICAL RESTRAINING SYSTEM USED TO RESTRAIN JOINTS SHALL CONFIRM TO THE RECOMMENDATIONS OF THE PIPE MANUFACTURER. WHERE A SPECIFIED LENGTH OF PIPELINE IS TO BE RESTRAINED, ALL JOINTS WITHIN THAT SPECIFIED LENGTH SHALL BE RESTRAINED.
- AN EXCAVATION/ CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PROJECT.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, BE CONSTRUCTED IN ACCORD WITH C.O.A. STD. SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION INCLUDING ALL UPDATES. REFERENCE MADE TO STD. DRAWINGS REFERS TO C.O.A. STD. DRAWINGS.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO 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 SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONST. THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION, A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

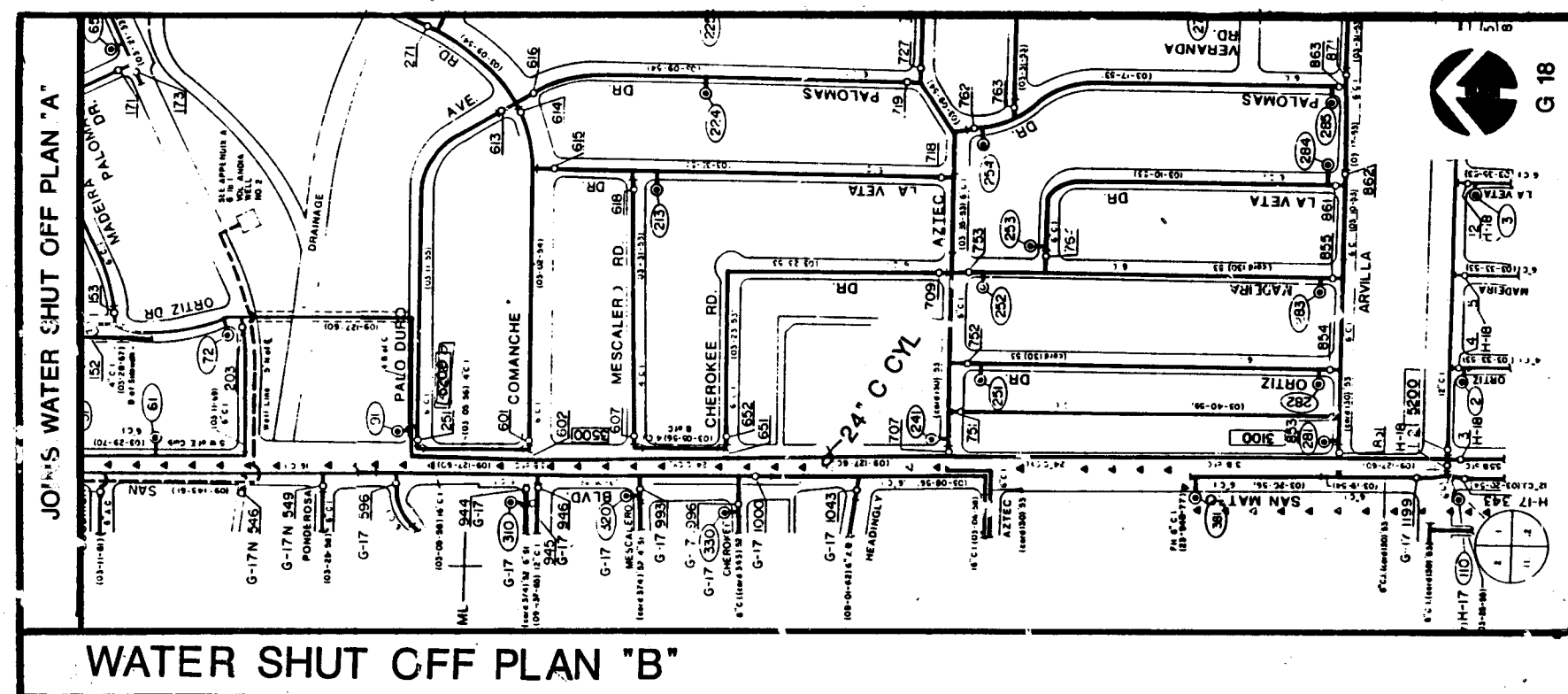
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER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

8" WATERLINE KEYED NOTES

- STA 0+85.81±, RT 6.00' CONSTRUCTION BASELINE. BEGIN 8" WATERLINE. CONNECT TO 24" CONCRETE CYLINDER LINE. INSTALL CEMENT-LINED FLANGED NOZZLE WITH COLLAR PER COA STANDARD DRAWING 2306 AND COA STANDARD SPECIFICATION 801.14. INSTALL 8" GATE VALVE, AND TYPE "A" VALVE BOX. VALVE SHALL BE RESTRAINED. ALSO RESTRAIN 8" MAIN LINE FOR A MINIMUM OF 51' EAST OF VALVE. NON-PRESSURIZED CONNECTION.
- STA 1+00.00, RT 6.00' CONSTRUCTION BASELINE. PC 8" WATERLINE. R=728.82' L=381.62' T=195.29'
- STA 1+43.43, RT 6.00' CONSTRUCTION BASELINE. INSTALL 8" TEE, 8" GATE VALVE, TYPE "A" VALVE BOX, 40 LF 8" WATERLINE, AND CAP. TEE AND VALVE SHALL BE RESTRAINED. ALSO, RESTRAIN 8" MAIN LINE FOR 10' EAST AND WEST OF TEE AND ALL OF 8" BRANCH LINE SOUTH OF TEE.
- STA 4+84.84, RT 6.00' CONSTRUCTION BASELINE. PRC 8" WATERLINE. R=710.82' L=372.19' T=190.47'
- STA 5+45.57, RT 6.00' CONSTRUCTION BASELINE. INSTALL 8"x8"x6" TEE, 6" GATE VALVE, TYPE "A" VALVE BOX, AND 38 LF 6" WATERLINE. TEE AND VALVE SHALL BE RESTRAINED. ALSO, RESTRAIN 8" MAIN LINE FOR 10' EAST AND WEST OF TEE AND ALL OF 6" FIRE HYDRANT SERVICE LINE.
- STA 5+45.47, LT 32.26' CONSTRUCTION BASELINE. INSTALL 4' BURY FIRE HYDRANT. FLANGE ELEV=20.00.
- STA 8+53.90, RT 6.00' CONSTRUCTION BASELINE. PT 8" WATERLINE.
- STA 9+17.47±, RT 6.00' CONSTRUCTION BASELINE. END 8" WATERLINE. CONNECT TO 6" CI WATERLINE. INSTALL 6"x6"x8" TEE, 8" GATE VALVE, TYPE "A" VALVE BOX, AND TRANSITION COUPLING(S). VALVE SHALL BE RESTRAINED. ALSO, RESTRAIN 8" MAIN LINE FOR A MINIMUM OF 51' WEST OF VALVE. NON-PRESSURIZED CONNECTION.
- RELOCATE EXISTING FIRE HYDRANT. INSTALL 6" 60° BEND, APPROX. 6 LF 6" WATERLINE, AND RELOCATED FIRE HYDRANT. 90° BEND SHALL BE RESTRAINED. ALSO, RESTRAIN FIRE HYDRANT AND A MINIMUM OF 15' WEST OF THE BEND AND ALL 6" PIPE BETWEEN THE BEND AND THE FIRE HYDRANT. FLANGE ELEV.=23.70.

PROPERTY LINE DATA

- N 00°02'35" E, 176.00' TO PROPERTY CORNER.
- R=45.00' L=80.86' Δ=102°56'59"
- R=25.00' L=28.20' Δ=64°37'23"
- S 00°18'33" W, 730.12' TO N.E. PROPERTY CORNER.
- R=45.00' L=19.86' Δ=251°7'08"
- S 00°18'33" W, 4.63'
- R=45.00' L=100.72' Δ=128°14'07"
- R=25.00' L=28.20' Δ=64°37'23" TO S.E. PROPERTY CORNER.

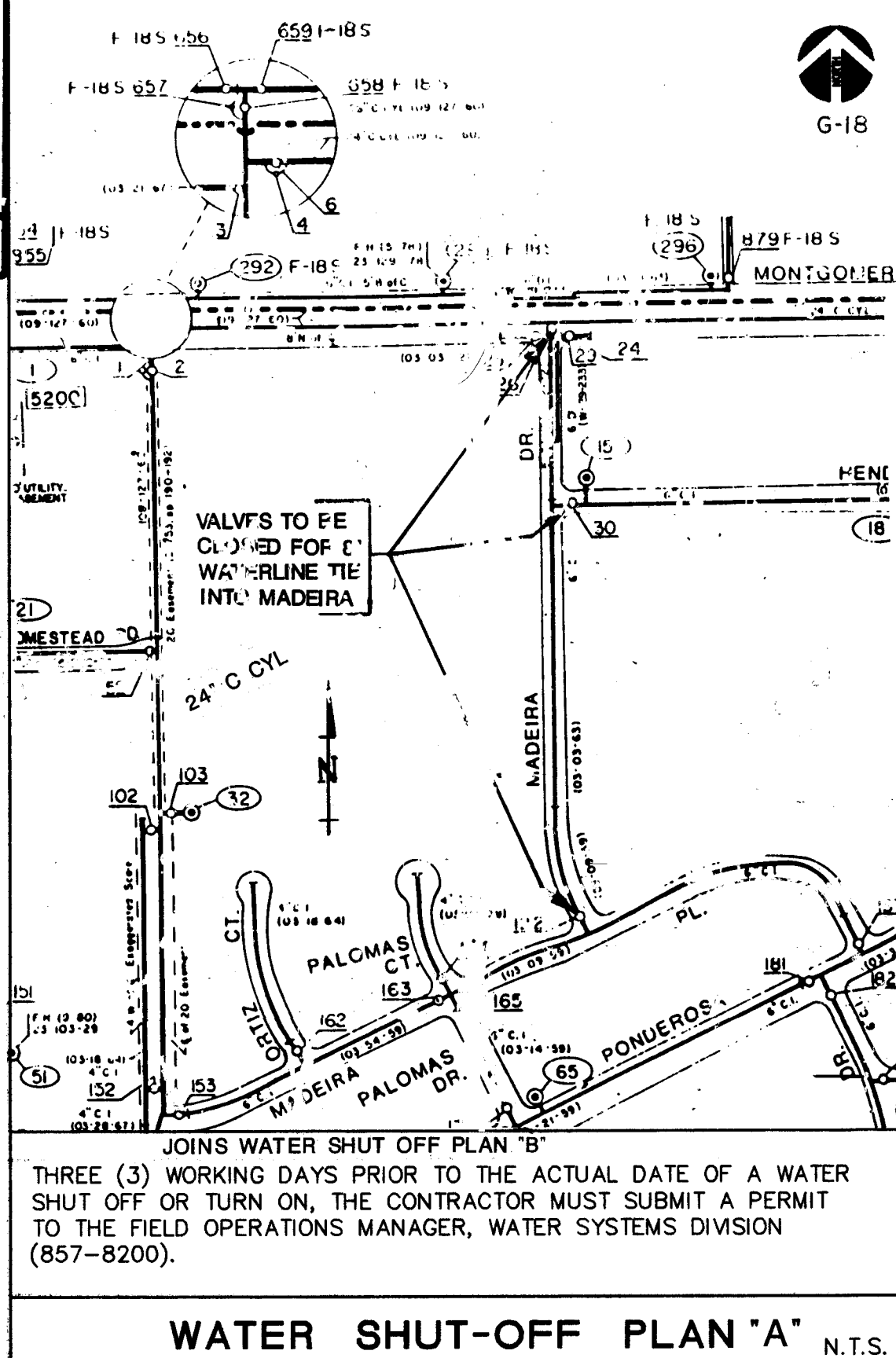
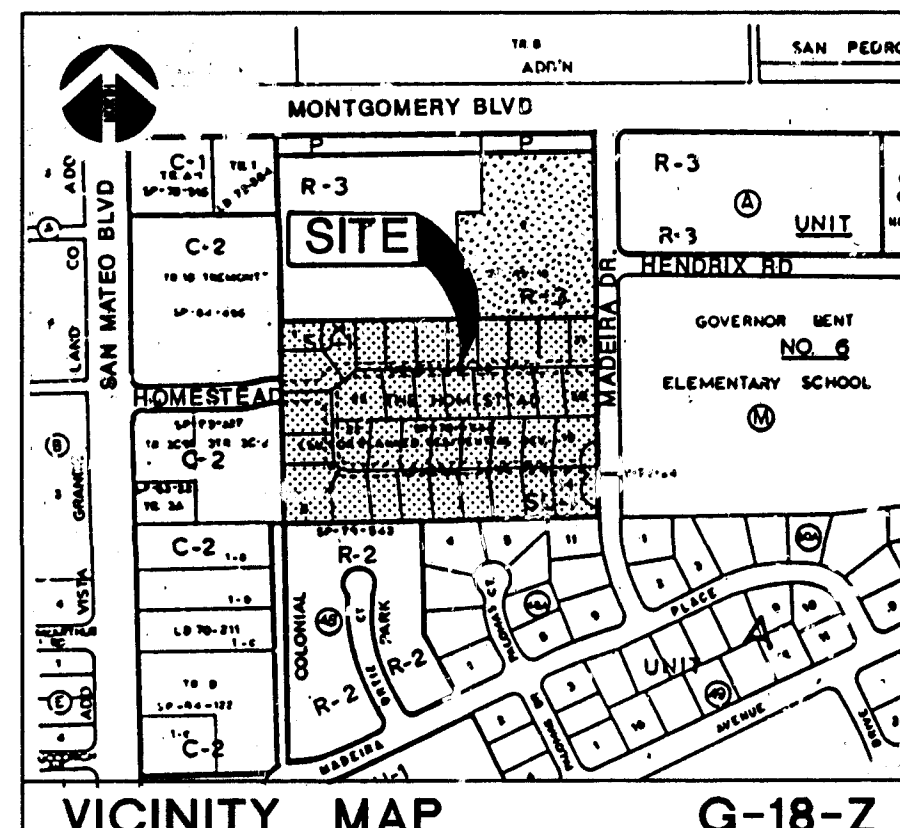


HOMESTEAD ROAD AND MADEIRA DRIVE CUL-DE-SAC KEYED NOTES

- STA 0+83.57± CONSTRUCTION BASELINE. BEGIN CONSTRUCTION HOMESTEAD ROAD. CONNECT TO EXISTING PAVEMENT
- PC STA 1+00.00 CONSTRUCTION BASELINE. R=734.82' L=384.77' Δ=30°00'06"
- PRC STA 4+84.84 CONSTRUCTION BASELINE. R=704.82' L=369.06' Δ=30°00'06"
- PT STA 8+53.90 CONSTRUCTION BASELINE
- STA 8+72.65 CONSTRUCTION BASELINE. END CONSTRUCTION HOMESTEAD ROAD. BEGIN CUL-DE-SAC CONSTRUCTION.
- STA 1+90.70, LT 37.50' CONSTRUCTION BASELINE. PC N.W. CURB RETURN.
- STA 1+71.42, LT 16.00' CONSTRUCTION BASELINE. PT N.W. CURB RETURN.
- STA 2+36.90, LT 16.00' CONSTRUCTION BASELINE. PC N.E. CURB RETURN.
- STA 2+17.75, LT 34.00' CONSTRUCTION BASELINE. PT N.E. CURB RETURN.
- STA 2+17.43, RT 39.30' CONSTRUCTION BASELINE. PC S.E. CURB RETURN.
- STA 2+37.36, RT 16.00' CONSTRUCTION BASELINE. PT S.E. CURB RETURN.
- STA 1+69.50, RT 16.00' CONSTRUCTION BASELINE. PC S.W. CURB RETURN.
- STA 1+90.70, RT 37.00' CONSTRUCTION BASELINE. PT S.W. CURB RETURN.
- STA 5+49.51, LT 38.80' CONSTRUCTION BASELINE. PC N.W. CURB RETURN.
- STA 5+28.48, LT 16.00' CONSTRUCTION BASELINE. PT N.W. CURB RETURN.
- STA 6+15.70, LT 16.00' CONSTRUCTION BASELINE. PC N.E. CURB RETURN.
- STA 5+95.15, LT 40.50' CONSTRUCTION BASELINE. PT N.E. CURB RETURN.
- STA 5+91.87, RT 39.50' CONSTRUCTION BASELINE. PC S.E. CURB RETURN.
- STA 6+10.70, RT 16.00' CONSTRUCTION BASELINE. PT S.E. CURB RETURN.
- STA 5+47.20, RT 16.00' CONSTRUCTION BASELINE. PC S.W. CURB RETURN.
- STA 5+66.23, RT 36.50' CONSTRUCTION BASELINE. PT S.W. CURB RETURN.
- STA 7+80.74, LT 41.00' CONSTRUCTION BASELINE. PC N.W. CURB RETURN.
- STA 7+53.45, LT 16.00' CONSTRUCTION BASELINE. PT N.W. CURB RETURN.
- STA 8+34.31, LT 16.00' CONSTRUCTION BASELINE. PC N.E. CURB RETURN.
- STA 8+08.35, LT 40.25' CONSTRUCTION BASELINE. PT N.E. CURB RETURN.
- STA 8+45.40, LT 16.00' CONSTRUCTION BASELINE. PC NORTH CURB, R=20.00'
- STA 8+65.74, LT 34.30' CONSTRUCTION BASELINE. PRC NORTH CURB, R=40.00'
- STA 8+95.19, LT 68.80' CONSTRUCTION BASELINE. PRC NORTH CURB, R=20.00'
- STA 9+09.71, LT 88.25' CONSTRUCTION BASELINE. END CUL-DE-SAC CONSTRUCTION AT EXISTING CURB.
- STA 8+80.38, RT 15.30' CONSTRUCTION BASELINE. PC SOUTH CURB, R=3.00'.
- STA 8+89.92, RT 12.90' CONSTRUCTION BASELINE. PT STA SOUTH CURB, R=2.00'.
- STA 9+09.97, RT 12.90' CONSTRUCTION BASELINE. PC STA SOUTH CURB, R=40.00'.
- STA 9+50.20, RT 27.00' CONSTRUCTION BASELINE. END CUL-DE-SAC CONSTRUCTION AT EXISTING CURB.
- STA 8+85.24, RT 21.56' CONSTRUCTION BASELINE. PRC CURB SOUTH CUL-DE-SAC R=2.00'.
- STA 8+89.96, RT 19.84' CONSTRUCTION BASELINE. PRC CURB SOUTH CUL-DE-SAC R=2.00'.
- STA 9+47.86, RT 58.28' CONSTRUCTION BASELINE.
- STA 8+94.27, RT 96.69' CONSTRUCTION BASELINE. PRC CURB SOUTH CUL-DE-SAC R=30.00'.
- STA 9+15.61, RT 124.65' CONSTRUCTION BASELINE. END SOUTH CUL-DE-SAC CONSTRUCTION AT EXISTING CURB.
- STA 9+47.56, RT 113.40' CONSTRUCTION BASELINE. END SOUTH CUL-DE-SAC CONSTRUCTION AT EXISTING CURB.
- CONSTRUCT PRIVATE ENTRANCE PER COA STANDARD DRAWING 2426.
- REMOVE AND REPLACE ASPHALT PAVEMENT AND CURB & GUTTER. REPLACE PAVEMENT WITH ASPHALT PAVEMENT MEETING OR EXCEEDING EXISTING PAVEMENT SECTION.

RECORD DRAWING

THIS RECORD DRAWING IS BASED ON "AS-CONSTRUCTED" INFORMATION PROVIDED BY ALBUQUERQUE SURVEYING COMPANY. CHAVEZ-GRIEVES CONSULTING ENGINEERS DID NOT VERIFY ALBUQUERQUE SURVEYING COMPANY'S DATA AND MAKES NO CLAIM AS TO THE ACCURACY OF THE "AS-CONSTRUCTED" INFORMATION SHOWN ON THIS PLAN.



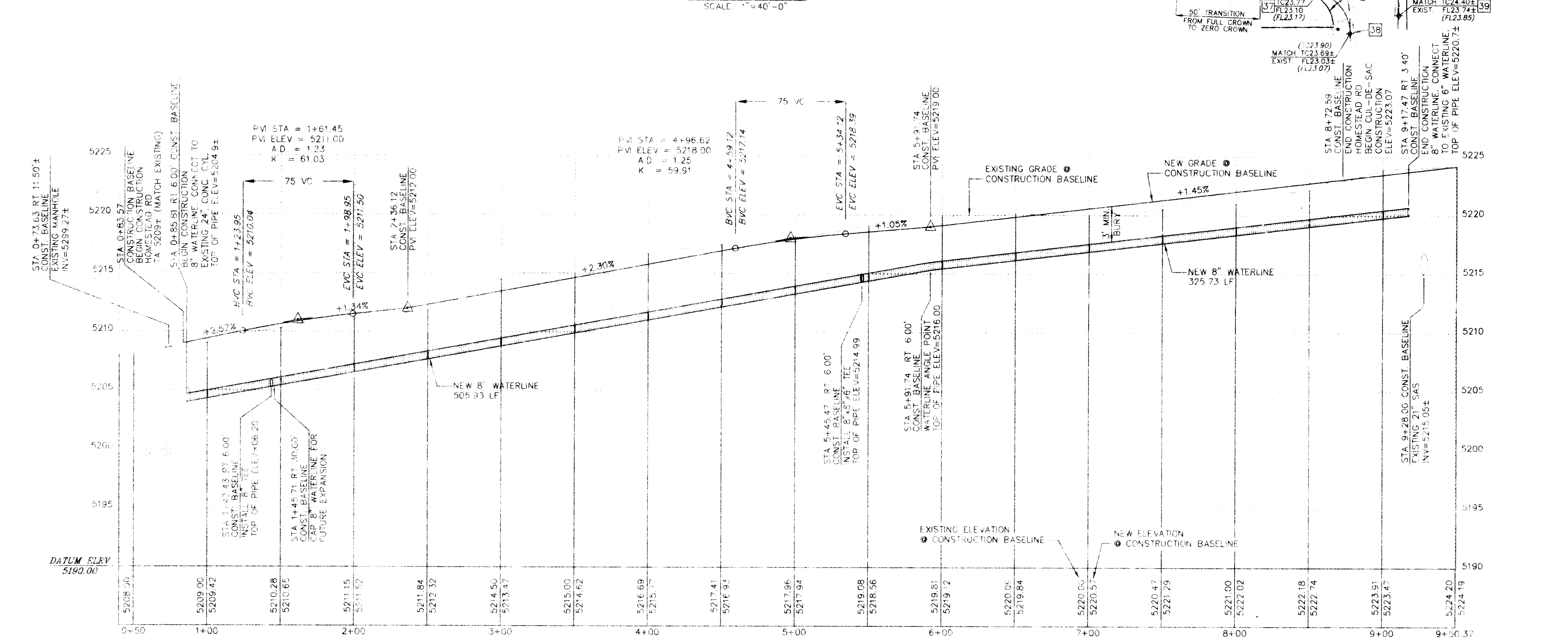
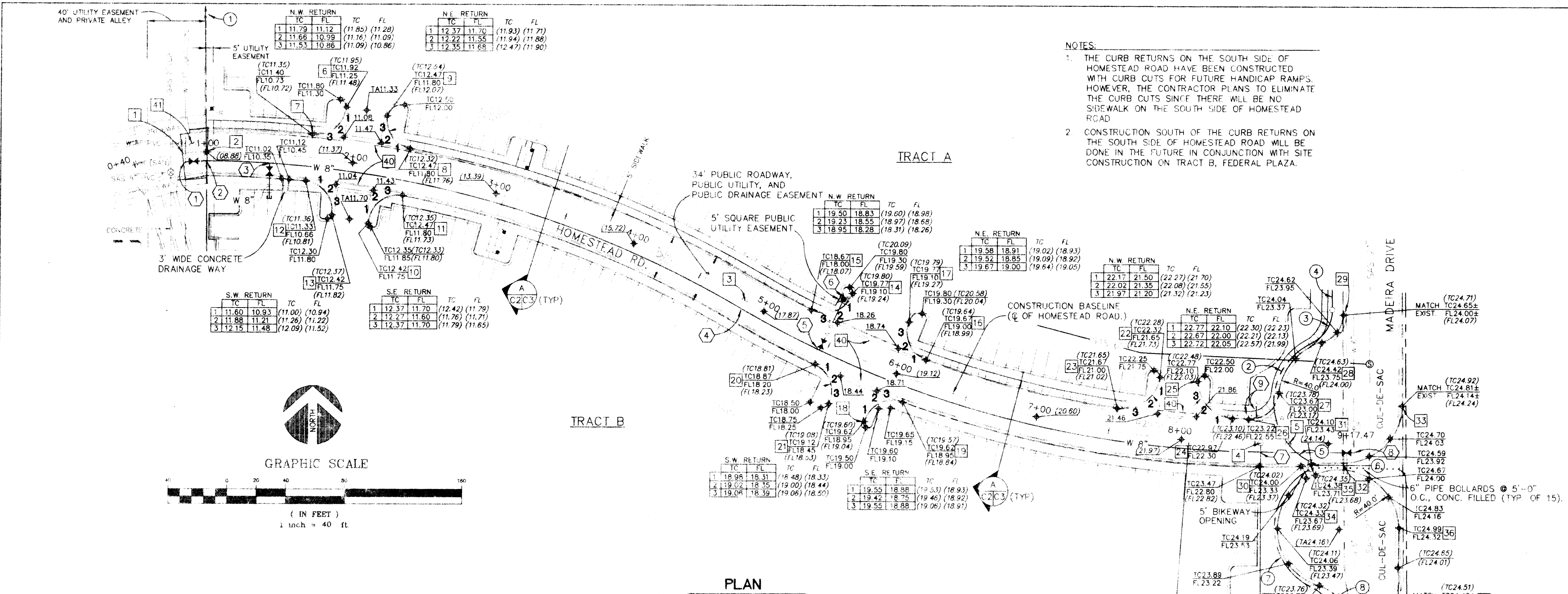
APPROVAL OF AS BUILT DRAWINGS
CHAVEZ-GRIEVES CONSULTING ENGINEERS
DATE: 2-16-94

APPROVED FOR CONSTRUCTION
CITY ENGINEER
DATE: 7/15/93

CHAVEZ-GRIEVES / CONSULTING ENGINEERS, INC.
4600-C Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109
(505) 881-7376

TITLE:
FEDERAL PLAZA OFFICE PARK
INFRASTRUCTURE IMPROVEMENTS
GENERAL NOTES AND KEYED NOTES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	7-9-93	Water	<i>[Signature]</i>	7-9-93
Trans. Dev.	<i>[Signature]</i>	7-9-93	Wastewater	<i>[Signature]</i>	7-9-93
Hydrology	<i>[Signature]</i>	6-30-93			
Const. Coord.	<i>[Signature]</i>				
DRAWING NO.	4608.90	MAP NO.	G-18-Z	SHEET	C1 OF 3



APPROVALS					ENGINEER					DATE				
D.R.C. Chair					7-9-93					Water				
Trans. Dev.					7-9-93					Wastewater				
Hydrology					6-30-93									
Const. Coord.														

VICINITY MAP G-18-Z

LEGEND:

EXISTING CONTOUR
NEW CONTOUR
EXIST. CURB & GUTTER
NEW CURB & GUTTER
EXIST. SPOT ELEV.
NEW SPOT ELEV.
PROPERTY LINE
EXIST. FIRE HYDRANT
NEW FIRE HYDRANT
EXIST. VALVE
NEW VALVE
CONSTRUCTION BASELINE
AS-BUILT ELEVATION
ABBREVIATIONS:

EXIST.	EXISTING	R/W	RIGHT-OF-WAY
PP	POWER POLE	SAN	SANITARY
MH	MANHOLE		
FL	FLOWLINE		
TC	TOP OF CURB		
CON	CONCRETE		
STND	STANDARD		
ESMT	EASEMENT		
W/	WITH		
TA	TOP OF ASPHALT		
FG	FINISH GRADE		
FF	FINISH FLOOR		

RECORD DRAWING

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APPROVED FOR CONSTRUCTION

CITY ENGINEER

DATE

CHAVEZ-GRIEVES / CONSULTING ENGINEERS, INC.

4600-C Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109
(505) 881-7376

TITLE:

FEDERAL PLAZA OFFICE PARK
HOMESTEAD RD., 8" WATERLINE, MADERA CUL-DE-SACS
PLAN AND PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE

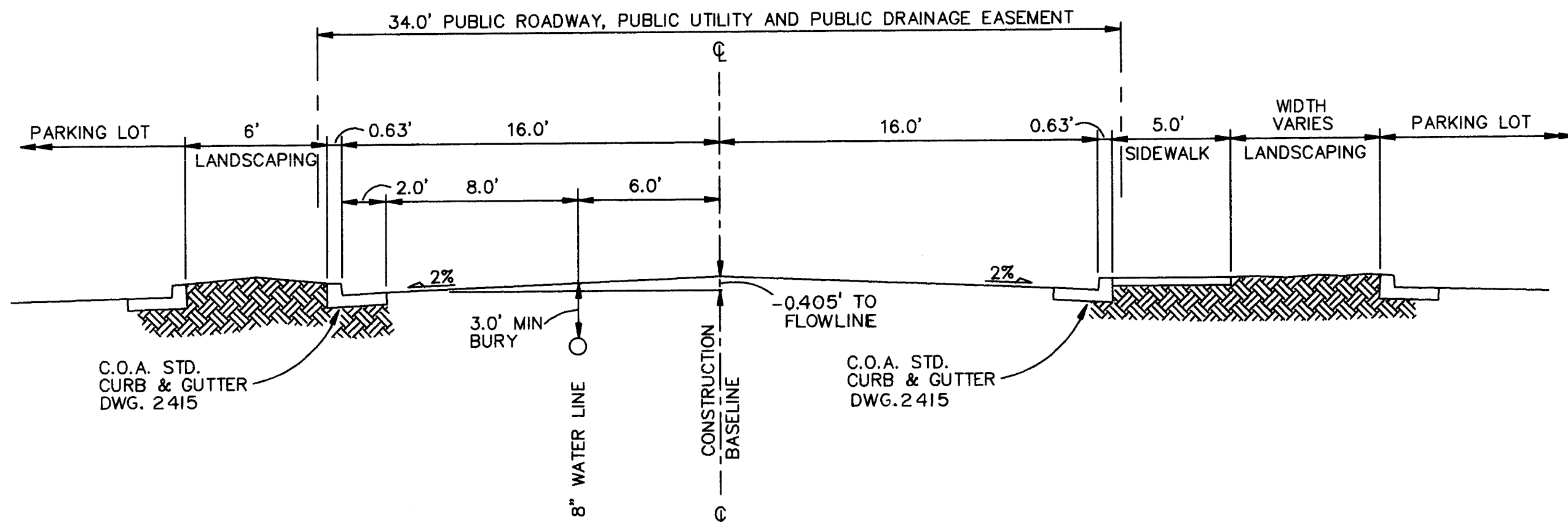
NO.	DATE	REMARKS	BY

DESIGNED: S. U. BALOGH
DRAWN BY: V. R. CHAVEZ
CHECKED BY: V. J. CHAVEZ

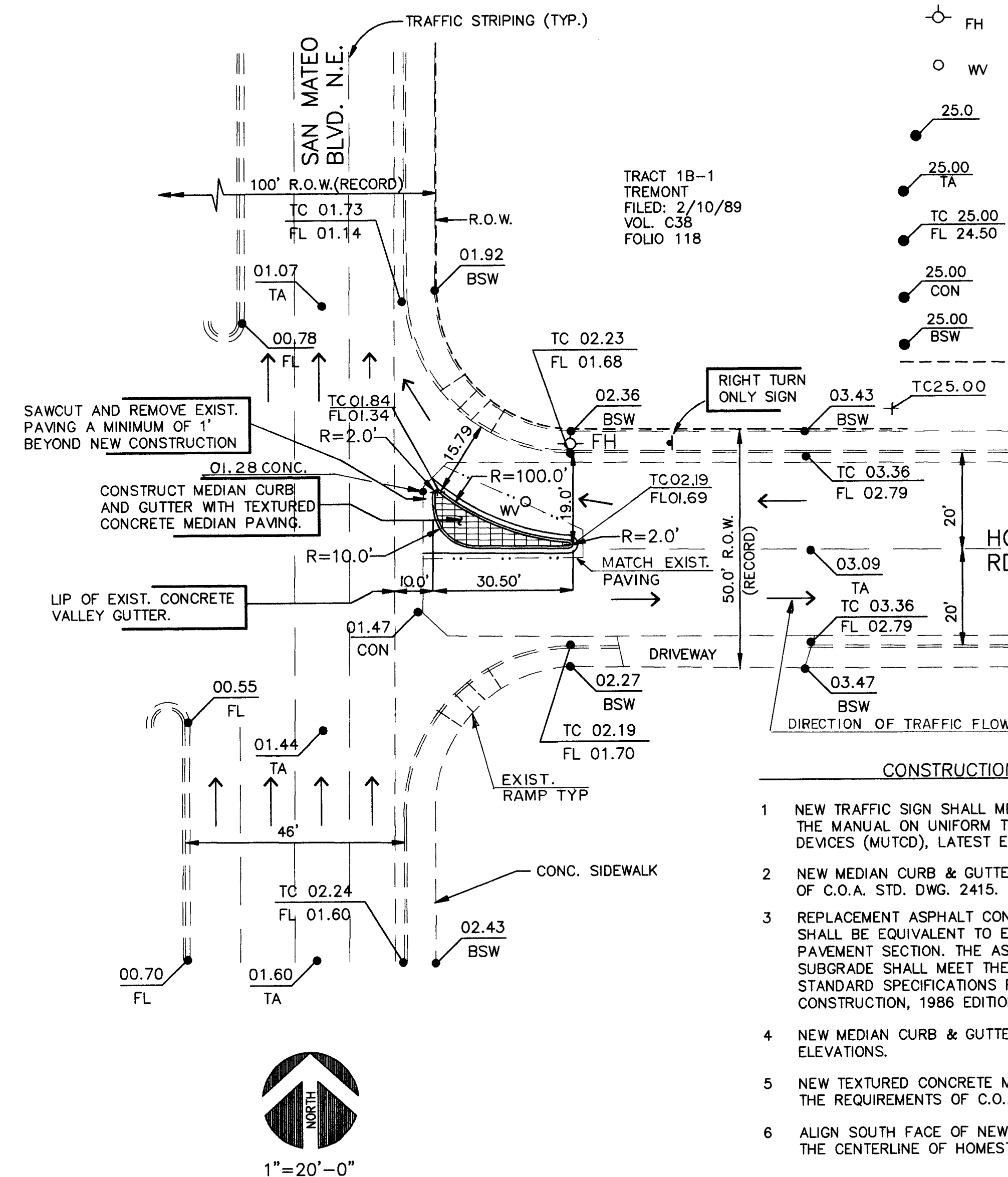
DATE: 12-92/06-93
DATE: 12-92/06-93
DATE: 12-92/06-93

DRAWING NO. 4608.90 MAP NO. G-18-Z SHEET C2 OF 3

As Constructed 7/19/93



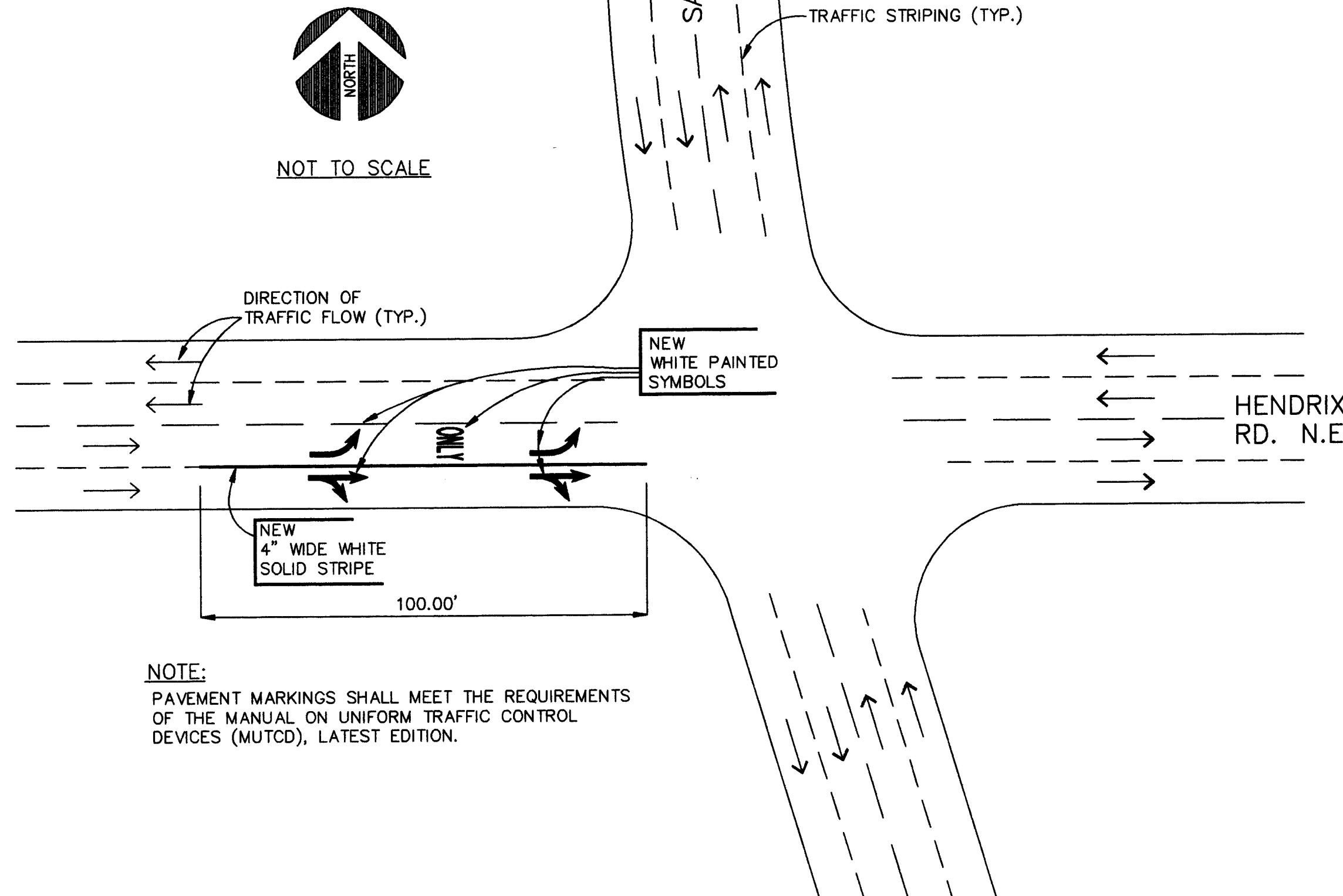
HOMESTEAD ROAD CROSS SECTION
SCALE: 1"=5'-0"



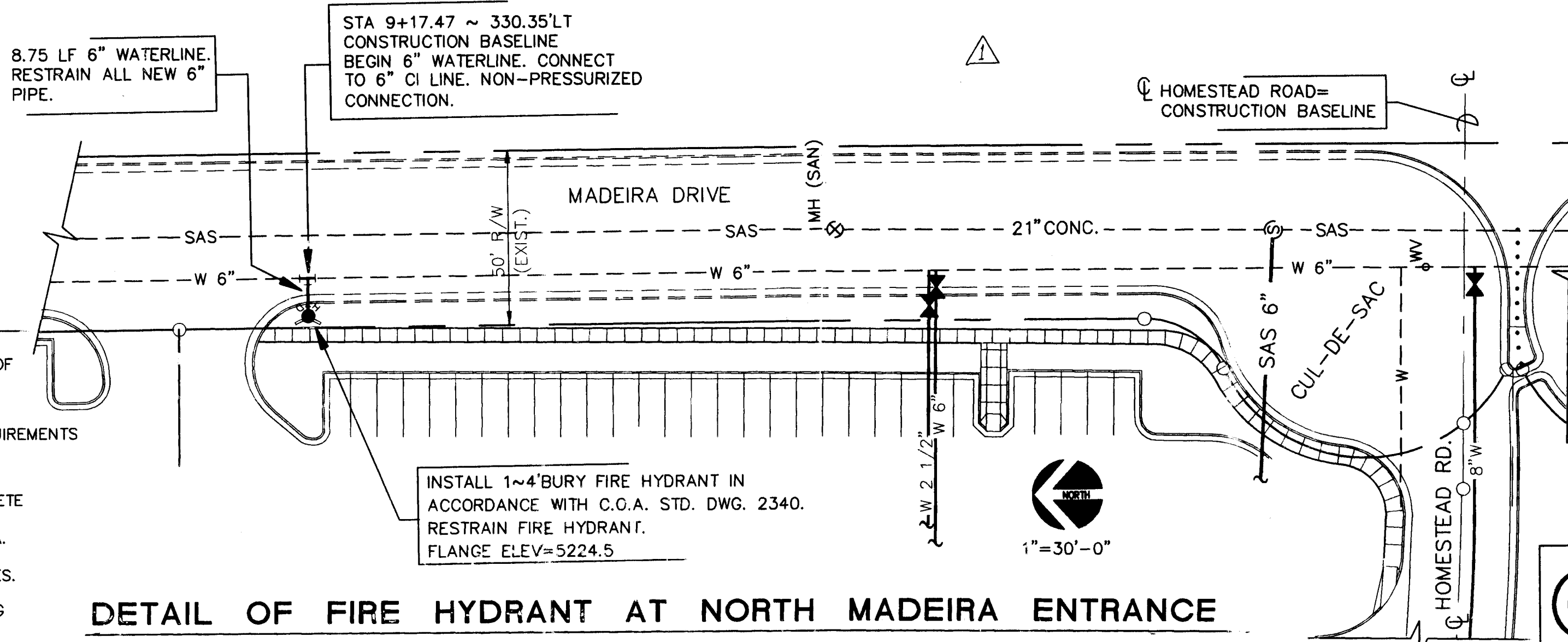
DETAIL AT INTERSECTION OF SAN MATEO & HOMESTEAD
SCALE: 1"=20'-0"

LEGEND	
	EXIST. FIRE HYDRANT
	EXIST. WATER VALVE
	EXIST. ELEVATION AT NATURAL GROUND
	EXIST. ELEVATION ON TOP OF ASPHALT
	EXIST. ELEVATION AT TOP OF CURB/FLOW LINE
	EXIST. ELEVATION ON CONCRETE
	EXIST. ELEVATION AT BACK OF SIDEWALK
	R.O.W. LINE (NEW ELEVATION)

- CONSTRUCTION NOTES:**
- NEW TRAFFIC SIGN SHALL MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
 - NEW MEDIAN CURB & GUTTER SHALL MEET THE REQUIREMENTS OF C.O.A. STD. DWG. 2415.
 - REPLACEMENT ASPHALT CONCRETE PAVING SECTION SHALL BE EQUIVALENT TO EXISTING ASPHALT CONCRETE PAVEMENT SECTION. THE ASPHALT CONCRETE AND SUBGRADE SHALL MEET THE REQUIREMENTS OF C.O.A. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION INCLUDING ALL UPDATES.
 - NEW MEDIAN CURB & GUTTER SHALL MATCH EXISTING ELEVATIONS.
 - NEW TEXTURED CONCRETE MEDIAN PAVING SHALL MEET THE REQUIREMENTS OF C.O.A. STD. DWG. 2408.
 - ALIGN SOUTH FACE OF NEW MEDIAN CURB WITH THE CENTERLINE OF HOMESTEAD ROAD.



DETAIL AT INTERSECTION OF SAN PEDRO & HENDRIX
SCALE: N.T.S.



DETAIL OF FIRE HYDRANT AT NORTH MADEIRA ENTRANCE

RECORD DRAWING

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APPROVED FOR CONSTRUCTION	
CITY ENGINEER	
DATE	

CHAVEZ-GRIEVES / CONSULTING ENGINEERS, INC.
4800-C Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109
(505) 881-7376

TITLE: FEDERAL PLAZA OFFICE PARK HOMESTEAD ROAD AND INTERSECTION IMPROVEMENTS DETAILS		
APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	7-5-93
Trans. Dev.	<i>[Signature]</i>	7-5-93
Hydrology	<i>[Signature]</i>	6-30-93
Const. Coord.	<i>[Signature]</i>	
DRAWING NO.	4608.90	MAP NO. G-18-Z
SHEET	C3	OF 3

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	ALBUQUERQUE SURVEYING	PROJECT BENCH MARK	"G-618"	DATE		SEAL	
STATIONED BY	ALBUQUERQUE SURVEYING	LOCATED AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MADIERA DR. N.E.		NO.			
ACCEPTANCE BY	ALBUQUERQUE SURVEYING	ELEVATION = 5224.90 FEET (M.S.L.D.)					
FIELD VERIFICATION BY	CHAVEZ-GRIEVES						
DATE	1/19/94						
MICRO-FILM INFORMATION		REVISIONS		DESIGN		DATE	
RECORDED BY		NO.		BY		DATE	