

# SUNSHINE WEST SUBDIVISION 2 AUGUST 12, 2016 REVISED DECEMBER, 2017

## ABBREVIATIONS

A	=	AIR LINE
AREA	=	DRAIN
AIP	=	ABANDONED IN PLACE
BLDG	=	BUILDING
BM	=	BENCHMARK
CATV	=	CABLE TELEVISION LINE
CIP	=	CAST IRON PIPE
CMP	=	CORRUGATED PIPE
CMPA	=	CORRUGATED METAL PIPE ARCH
CO	=	CLEANOUT
COA	=	CITY OF ALBUQUERQUE
CONC	=	CONCRETE
CL	=	CENTERLINE
DIA	=	DIAMETER
DIP	=	DUCTILE IRON PIPE
DTL	=	DETAIL
DWG	=	DRAWING
EG	=	EXISTING GRADE
ELEC	=	ELECTRIC
ELEV	=	ELEVATION
EX	=	EXISTING
FF	=	FINISH FLOOR ELEVATION
FG	=	FINISH GRADE
FH	=	FIRE HYDRANT
FL	=	FLOW LINE
G	=	GAS PIPE
GM	=	GAS METER
GV	=	GATE VALVE
HI PT	=	HIGH POINT
INV	=	INVERT ELEVATION
LF	=	LINEAL FEET
LP	=	LIGHT POLE
L/S	=	LANDSCAPING
MH	=	MANHOLE
NG	=	NATURAL GRADE
OE	=	OVERHEAD ELECTRIC LINE
OT	=	OVERHEAD TELEPHONE LINE
PB	=	ELECTRIC PULL BOX
PCC	=	PORTLAND CEMENT CONCRETE
PP	=	POWER POLE
PROP	=	PROPOSED
PVC	=	POLYVINYL CHLORIDE PIPE
RCP	=	REINFORCED CONCRETE PIPE
R/W	=	RIGHT-OF-WAY
S	=	SLOPE
SAS	=	SANITARY SEWER
SD	=	STORM DRAIN
STA	=	STATION
STD	=	STANDARD
SW	=	SIDEWALK
T	=	TELEPHONE
TA	=	TOP OF ASPHALT PAVEMENT
TAC	=	TOP OF ASPHALT CURB
TC	=	TOP OF CONCRETE SLAB (PAVEMENT)
TCC	=	TOP OF CONCRETE CURB
TS	=	TOP OF SIDEWALK
TW	=	TOP OF WALL
TYP	=	TYPICAL
UE	=	UNDERGROUND ELECTRIC
UT	=	UNDERGROUND TELEPHONE
W	=	WATER
WM	=	WATER METER
WV	=	WATER VALVE

## GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR APPROVED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION AS REVISED THROUGH UPDATE #9 AND WILL BE REFERRED TO HERE ON AS "STANDARD SPECIFICATIONS".
- ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE COUNTY AND/OR CITY OF ALBUQUERQUE.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN COUNTY RIGHT-OF-WAY.
- CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION (IF REQUIRED BY THE CITY OF ALBUQUERQUE).
- PERMIT REQUESTS MAY BE DENIED OR DELAYED DUE TO CONFLICTS WITH OTHER PROJECTS IN THE AREA.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY MAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. WHEN A CHANGE IS MADE IN 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 STANDARD SPECIFICATIONS SECTION 4.4.
- CONTRACTOR SHALL COORDINATE WITH A.B.C.W.U.A. (505 289-3550) SEVEN (7) WORKING DAYS PRIOR TO ANY WORK THAT MAY AFFECT EXISTING ABCWUA PUBLIC WATER OR SEWER UTILITIES. CONTRACTOR IS REFERRED TO SECTION 18 OF THE COA STANDARD SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. EXISTING ABCWUA VALVES TO BE OPERATED BY CITY PERSONNEL ONLY.
- SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO ABCWUA A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE ABCWUA. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (848-1504) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL DETERMINE IN ADVANCE OF HIS CONSTRUCTION IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OF OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

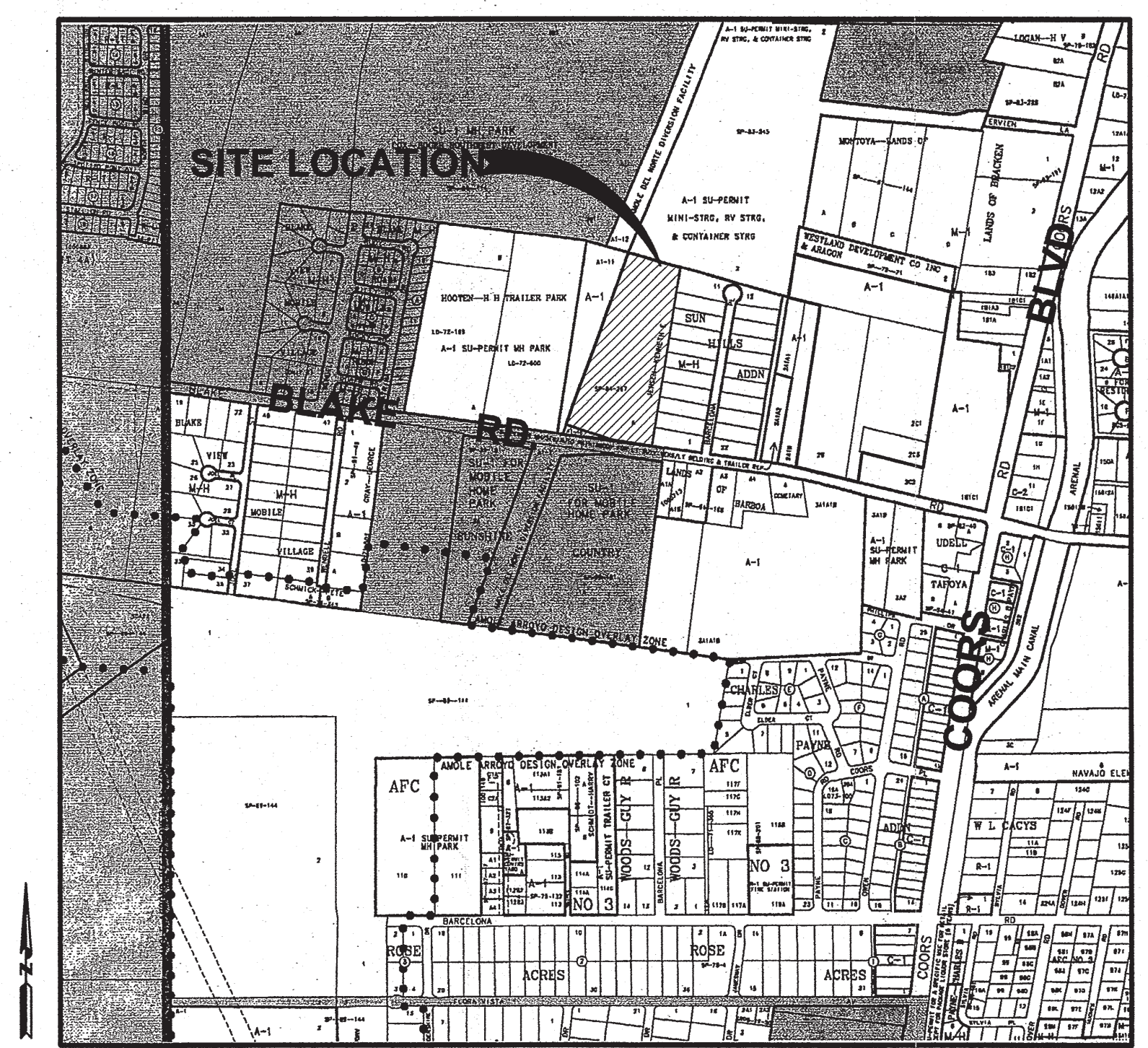
## NOTE:

THIS WORK ORDER (CITY OF ALBUQUERQUE PROJECT NO. 778580) INCLUDES ALL IMPROVEMENTS SHOWN WITHIN BLAKE ROAD RIGHT-OF-WAY. THIS WORK ORDER ALSO INCLUDES WATER AND SANITARY SEWER IMPROVEMENTS, UNDER THE JURISDICTION OF THE A.B.C.W.U.A., SHOWN WITHIN THIS ENTIRE PLAN SET. DRAINAGE AND PAVING IMPROVEMENTS BEYOND THE BLAKE ROAD RIGHT-OF-WAY ARE EXCLUDED FROM THIS WORK ORDER AS THEY ARE BERNALILLO COUNTY'S JURISDICTION.

## LEGEND

	NEW CURB AND GUTTER & SIDEWALK		PROPOSED SAS MANHOLE		PROPOSED SANITARY SEWER LINE
	EXISTING CURB AND GUTTER & SIDEWALK		EXISTING SAS MANHOLE		EXISTING SANITARY SEWER LINE
	PROPOSED FIRE HYDRANT		PROPOSED WATER METER		PROPOSED WATER LINE
	PROPOSED WATER VALVE		PROPOSED SANITARY SEWER SERVICE		EXISTING WATER LINE
	PROPOSED WATER VALVE		RECORD BEARING AND DISTANCE		MEASURED BEARING AND DISTANCE

APPROVED RECORD DRAWINGS	
City Inspector	Matthew Garduno
Contractor	Sunshine Construction
Construction Engineer	Muhammed Adeb
Date	10/6/2020



VICINITY MAP NUMBER N-10

## INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER, INDEX OF SHEETS, GENERAL NOTES AND VICINITY MAP
2	PLAT
2A	PLAT
3	GRADING AND DRAINAGE PLAN
4	OVERALL PAVING, STRIPING AND SIGNAGE PLAN
5	ROAD 1 PLAN AND PROFILE
6	ROAD 2 PLAN AND PROFILE
7	ROAD 3 PLAN AND PROFILE
8	OVERALL SEWER LAYOUT PLAN
9-10	SEWER LINE PLAN AND PROFILE
11	OVERALL WATER LAYOUT PLAN
12-14	WATER LINE PLAN AND PROFILE
15-16	TYPICAL PAVING DETAILS
17-18	TYPICAL WATER DETAILS
19-20	TYPICAL SEWER DETAILS
21-22	TYPICAL DRAINAGE DETAILS
23	BLAKE ROAD ENLARGED PLAN AND WHEEL CHAIR ACCESS RAMP DETAILS
24	SIGN EXAMPLES
25	SIGNING CONSTRUCTION TRAFFIC CONTROL STANDARDS

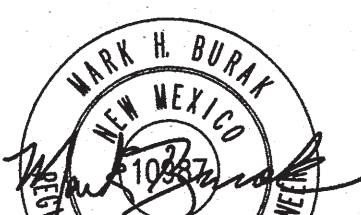
## Certificate of Substantial Compliance

I, Mark H. Burak, PE of Burak Consulting, Project Engineer for the Sunshine West II Subdivision project, City Work Order No. 778580 do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of the project noted above has been inspected by me and has been constructed in accordance with the plans approved by the City Engineer and that the original design intent of the approved plans has been met. This Certification is based on site inspection by me or personnel under my direction and the survey information provided by Anthony Harris, NMPS No. 11,463 of The Survey Office, LLC.

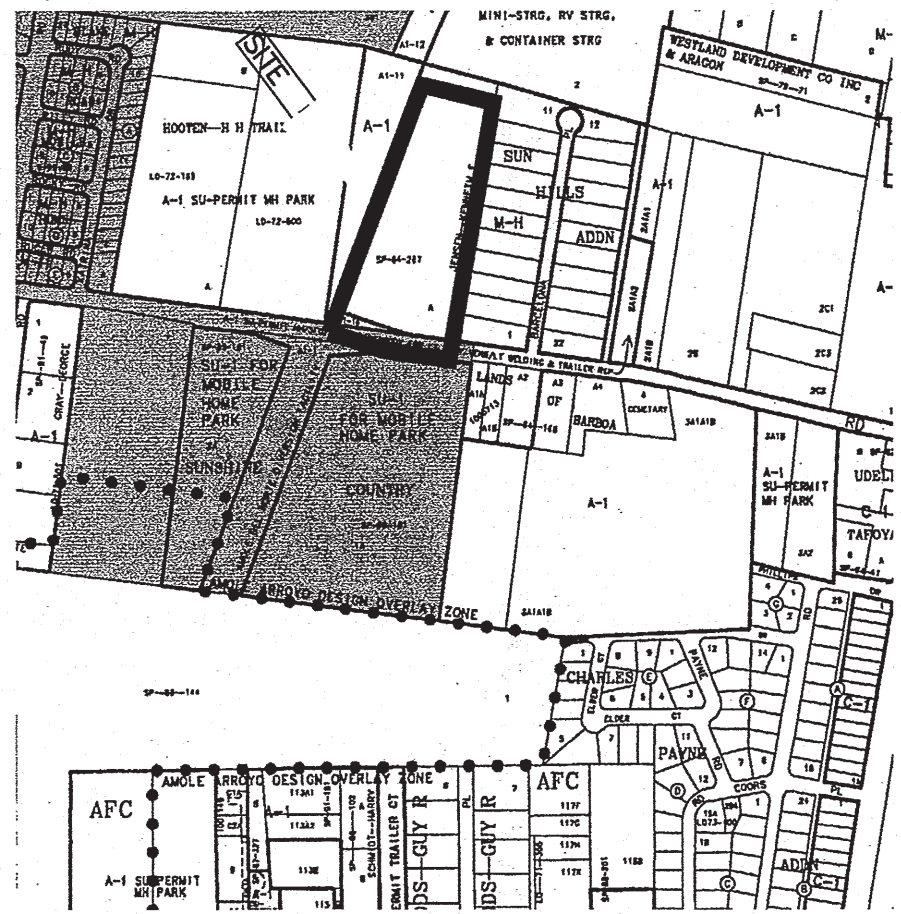
Date: October 2, 2020



Mark H. Burak, P.E.  
1512 Sagebrush Trail SE  
Albuquerque, New Mexico, 87123  
(505) 298-0461

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	<i>James Olvera</i>	2-5-18	APPROVED FOR CONSTRUCTION		
		Transportation	<i>John Pat</i>	02-05-18			
		Water/Wastewater	<i>René Brault</i>	2/5/18			
		Hydrology	<i>René Brault</i>	2-2-18			
		CIP					
		Constr. Manager			<i>[Signature]</i> City Engineer Date <i>4/22/18</i>		
		Constr. Coord.					
		City Project No.				Sheet	Of
DRB#		N10-D008		778580		1	25





VICINITY MAP No. N-10

PURPOSE OF PLAT:

THE PURPOSE OF THIS PLAT IS TO DIVIDE TRACT A INTO 40 LOTS AND 1 TRACT, DEDICATE ADDITIONAL RIGHT OF WAY TO BERNALILLO COUNTY AND GRANT ALL EASEMENTS AS SHOWN.

GENERAL NOTES:

- UNLESS NOTED, No. 4 REBAR WITH CAP STAMPED P.S.#11463 WERE SET AT ALL PROPERTY CORNERS.
- THIS PLAT SHOWS ALL EASEMENTS OF RECORD.
- TOTAL AREA OF PROPERTY: 9.2259 ACRES.
- TALOS LOG NO. N/A
- BASIS OF BEARINGS IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 1983.
- DISTANCES ARE GROUND, BEARINGS ARE GRID.
- BEARINGS AND DISTANCES SHOWN IN PARENTHESIS ARE RECORD.
- DATE OF FIELD WORK: JUNE 2009
- CURRENT ZONING: MH w/SU PERMIT FOR PDA

LEGAL DESCRIPTION

TRACT LETTERED "A" OF THE PLAT OF LAND OF KENNETH JENSEN, BERNALILLO COUNTY, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON JUNE 25, 1984 IN VOLUME C24, FOLIO 76 AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHWEST CORNER OF THE HEREIN DESCRIBED TRACT, WHENCE CITY OF ALBUQUERQUE CONTROL STATION "4-N10" HAVING NEW MEXICO STATE PLANE COORDINATES OF (CENTRAL ZONE NAD 1983) N=1,469,296.943 AND E=1,499,594.947 BEARS S E, A DISTANCE OF FEET RUNNING THENCE N 20°51'55" E, ALONG THE EASTERLY LINE OF THE AMOLE DEL NORTE DIVERSION FACILITY, A DISTANCE OF 1026.47 FEET TO THE NORTHWEST CORNER; THENCE 75°30'30" E, A DISTANCE OF 295.21 FEET TO THE NORTHEAST CORNER; THENCE S 10°15'51" W, A DISTANCE OF 1011.64 FEET TO THE SOUTHEAST CORNER, BEING A POINT ON THE NORTHERLY LINE OF BLAKE ROAD; THENCE N 82°32'34" W, ALONG THE NORTHERLY LINE OF BLAKE ROAD, A DISTANCE OF 242.72 FEET TO AN ANGLE POINT; THENCE N 71°09'11" W, A DISTANCE OF 243.55 FEET TO THE SOUTHWEST CORNER AND PLACE OF BEGINNING CONTAINING 9.2023 ACRES MORE OR LESS.

PUBLIC UTILITY EASEMENTS

**PUBLIC UTILITY EASEMENTS** shown on this plat are granted for the common and joint use of utilities, including but not limited to the following:  
A. Public Service Company of New Mexico, a New Mexico corporation, (PNM Electric) for installation, maintenance, and service of overhead and underground electrical lines, transformers, and other equipment and related facilities reasonably necessary to provide electrical services.  
B. New Mexico Gas Company, Inc., ("NMGC") a Delaware corporation, for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas services.  
C. [QWEST] for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide communication services.  
D. [COMCAST] or the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide Cable services. Included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, replace, modify, renew, operate and maintain facilities for purposes described above, together with 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, pool (aboveground 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 Electrical Safety Code by construction of pools, decking, or any structures adjacent to or near easements shown on this plat.  
Easements for electric transformer/switchgears, as installed, shall extend ten (10) feet in front of transformer/switchgear doors and five (5) feet on each side.  
**Disclaimer**  
In approving this plat, NMGC did not conduct a Title Search of the properties shown hereon. Consequently, NMGC does not waive or release any easement or easement rights which may have been granted by prior plat, replat or other document and which are not specifically described and shown on this plat.

FREE CONSENT

THE SUBDIVISION HEREON DESCRIBED IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNERS AND PROPRIETOR THEREOF. SAID OWNER / PROPRIETOR DOES HEREBY GRANT ANY AND ALL EASEMENTS AS MAY BE CREATED BY THIS PLAT. THOSE SIGNING AS OWNERS WARRANT THAT THEY HOLD AMONG THEM COMPLETE AND INDEFEASIBLE TITLE IN FEE SIMPLE TO THE LAND SUBDIVIDED. AND DO HEREBY DEDICATE ADDITIONAL RIGHT-OF-WAY TO BERNALILLO COUNTY IN FEE SIMPLE w/WARRANTY COVENANTS

ACKNOWLEDGMENT

STATE OF NEW MEXICO ) S.S.  
COUNTY OF BERNALILLO )

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME A NOTARY PUBLIC  
THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

BY:

OWNERS NAME \_\_\_\_\_

MY COMMISSION EXPIRES: \_\_\_\_\_ BY: \_\_\_\_\_  
NOTARY PUBLIC

SKETCH PLAT OF  
LOTS 1 - 40 AND TRACT A-1  
SANTANGELO SUBDIVISION

WITHIN  
TOWN OF ATRISCO GRANT  
PROJECTED SECTION 3, TOWNSHIP 9 NORTH, RANGE 2 EAST, N.M.P.M.  
BERNALILLO COUNTY, NEW MEXICO  
JULY, 2011

CDRA CASE No.: \_\_\_\_\_

UTILITY APPROVALS:

ABCWUA \_\_\_\_\_ DATE \_\_\_\_\_  
MRGCD \_\_\_\_\_ DATE \_\_\_\_\_  
PUBLIC SERVICE COMPANY OF NEW MEXICO \_\_\_\_\_ DATE \_\_\_\_\_  
NEW MEXICO GAS COMPANY \_\_\_\_\_ DATE \_\_\_\_\_  
QWEST TELECOMMUNICATIONS \_\_\_\_\_ DATE \_\_\_\_\_  
COMCAST \_\_\_\_\_ DATE \_\_\_\_\_  
CITY SURVEYOR \_\_\_\_\_ DATE \_\_\_\_\_  
AMAFCA \_\_\_\_\_ DATE \_\_\_\_\_  
BERNALILLO COUNTY PUBLIC WORKS DIVISION \_\_\_\_\_ DATE \_\_\_\_\_  
BERNALILLO COUNTY ENVIRONMENTAL HEALTH DEPARTMENT \_\_\_\_\_ DATE \_\_\_\_\_  
BERNALILLO COUNTY ZONING DEPARTMENT \_\_\_\_\_ DATE \_\_\_\_\_  
BERNALILLO COUNTY FIRE MARSHALL \_\_\_\_\_ DATE \_\_\_\_\_  
BERNALILLO COUNTY DEVELOPMENT REVIEW AUTHORITY, \_\_\_\_\_ DATE \_\_\_\_\_  
CHAIR

APPROVED ON THE CONDITION THAT ALL RIGHTS OF THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT IN EASEMENTS, RIGHTS OF WAY, ASSESSMENTS AND LIENS, ARE FULLY RESERVED TO SAID DISTRICT, AND THAT IF PROVISION FOR IRRIGATION SOURCE AND EASEMENTS ARE NOT PROVIDED FOR BY THE SUBDIVIDER FOR THE SUBDIVISION, ADDITION OR PLAT, SAID DISTRICT IS ABSOLVED OF ALL OBLIGATIONS TO FURNISH IRRIGATION WATERS AND SERVICES TO ANY PORTIONS THEREOF, OTHER THAN FROM EXISTING TURNOUTS.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SURVEYORS CERTIFICATE:

STATE OF NEW MEXICO )  
COUNTY OF BERNALILLO ) S.S.

I, ANTHONY L. HARRIS, A PROFESSIONAL SURVEYOR, LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE PLAT WAS PREPARED BY ME OR UNDER MY SUPERVISION, THAT I AM RESPONSIBLE FOR SAID PLAT AND MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS SET FORTH BY THE STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS, AND THAT THIS PLAT IS CORRECT AND TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

GIVEN UNDER MY HAND AND SEAL AT ALBUQUERQUE, NEW MEXICO,  
THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2011.

ANTHONY L. HARRIS, P.S. # 11463 \_\_\_\_\_ DATE \_\_\_\_\_

**ALBUQUERQUE SURVEYING, INC.** PHONE: (505) 888-8868  
1415-B AVENUE STREET, N.E. FAX: (505) 888-8845  
ALBUQUERQUE, NEW MEXICO 87110

SHEET 1 OF 2

SANTANGELO 40LOT (V3)DWG (JUNE, 2009)

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON  
UPC# \_\_\_\_\_

PROPERTY OWNER OF RECORD: \_\_\_\_\_

BERNALILLO CO. TREASURER'S OFFICE: \_\_\_\_\_

"FOR INFORMATION ONLY"

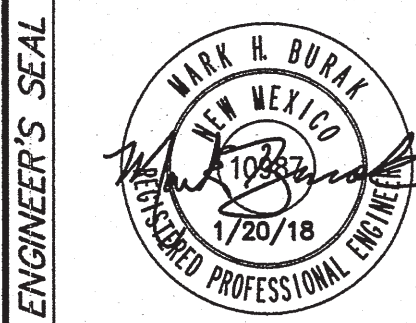
**Mark E. Burek, P.E.**  
1912 Sagebrush Trail SE  
Albuquerque, New Mexico, 87123  
(505) 296-0461

**CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT**

TITLE: **SUNSHINE WEST SUBDIVISION 2  
PLAT**

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

CITY PROJECT NO. **N10-D008** ZONE MAP NO. **778580** SHEET **2** OF **25**














- ① INSTALL R2-1 "25 MPH SPEED LIMIT" SIGN AND POST PER MUTCD.
- ② INSTALL R1-1 "STOP" SIGN AND POST PER MUTCD.
- ③ INSTALL 12" WIDE PAINTED STOP BAR PER MUTCD.
- ④ SAW CUT EXISTING ASPHALT TO A SMOOTH STRAIGHT LINE. ABOUT NEW CURB AND GUTTER TO EXISTING ASPHALT AND MATCH EXISTING GRADE ELEVATION OF EXISTING ASPHALT.
- ⑤ INSTALL BREAKAWAY GATE. THIS ENTRANCE IS TO BE NORMALLY CLOSED.



Mark H. Burak, P.E.  
1512 Sagebrush Trail SE  
Albuquerque, New Mexico, 87123  
(505) 298-0481

TITLE: SUNSHINE WEST SUBDIVISION 2  
OVERALL PAVING, STRIPING AND SIGNAGE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 45%; height: 150px; position: relative;"> <div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border: 1px solid black; transform: rotate(45deg); transform-origin: center;"></div> <div style="position: absolute; top: 0; right: 0; left: 0; bottom: 0; border: 1px solid black; transform: rotate(-45deg); transform-origin: center;"></div> </div> <div style="border: 1px solid black; width: 45%; height: 150px; position: relative;"> <div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border: 1px solid black; transform: rotate(45deg); transform-origin: center;"></div> <div style="position: absolute; top: 0; right: 0; left: 0; bottom: 0; border: 1px solid black; transform: rotate(-45deg); transform-origin: center;"></div> </div> </div>		MO./DAY/YR.
		MO./DAY/YR.
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		MO./DAY/YR.
CITY PROJECT NO. <b>N10-D008</b>	ZONE MAP NO. <b>N-10</b>	SHEET <b>4</b> OF <b>25</b>

ENGINEER'S SEAL				SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
							NO.	BY	DATE	ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION "4-NIO" HAVING AN ELEVATION OF 5003.719, NAVD 1988. 3-174" ALUMINUM DISC SET IN CONCRETE POST ON S. SIDE OF BLAKE ROAD ON WEST END OF THIS SURVEY. N-1,469,300.61		
										CONTRACTOR	WORK STARTED BY	DATE
										ACCEPTANCE BY	DATE	
										VERIFICATION BY	DATE	
										DRAWINGS BY	DATE	
										COMPUTED BY		
										MICRO-FILM INFORMATION		
										RECORDED BY	DATE	
										NO.		

MARK H. BURK

NEW MEXICO

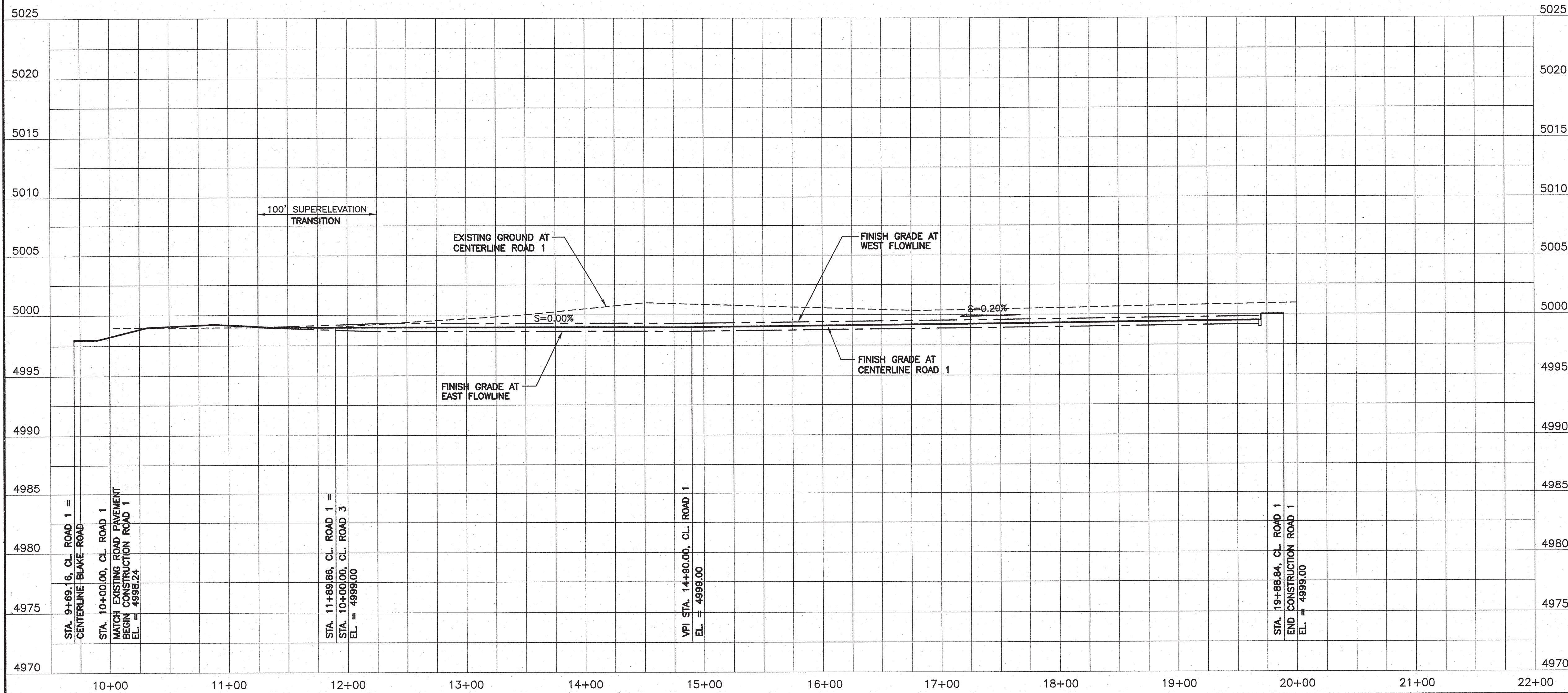
1/20/18

PROFESSIONAL ENGINEER

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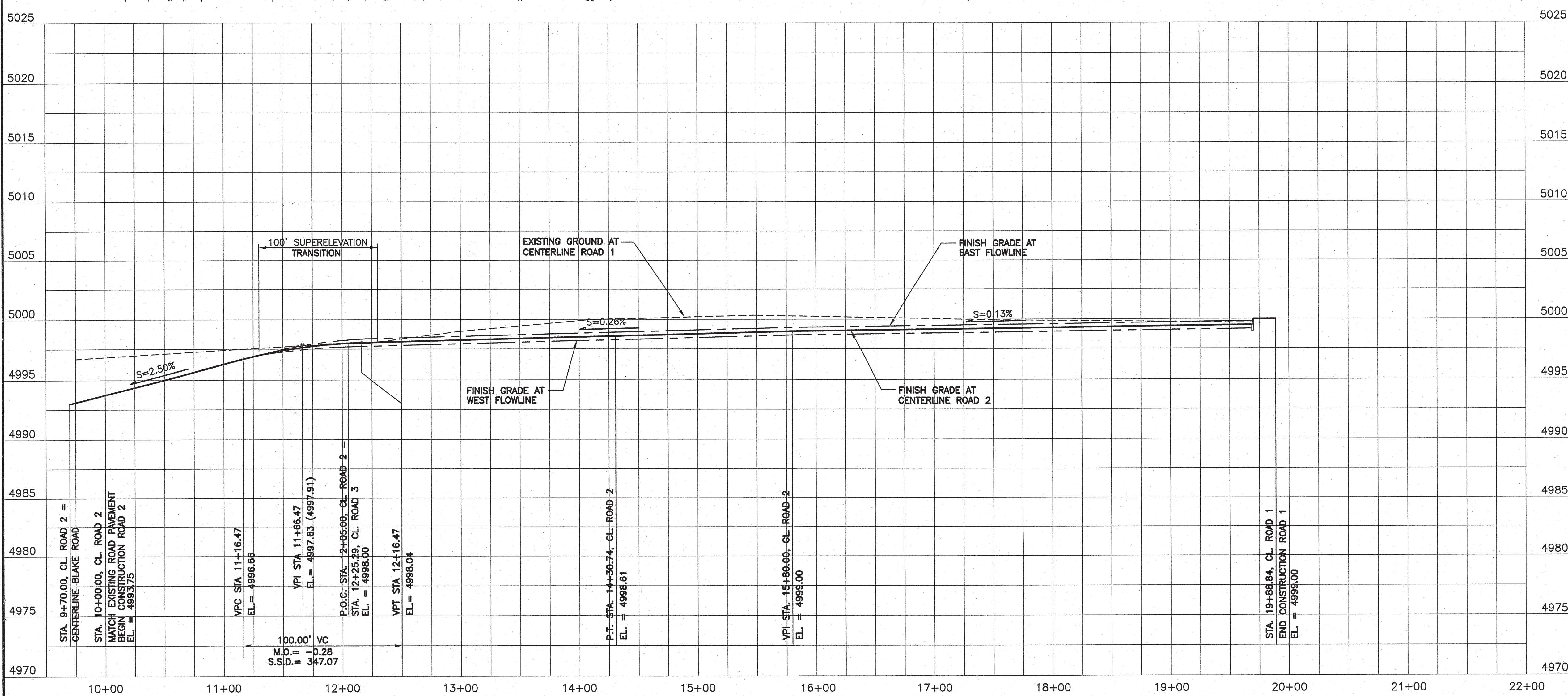
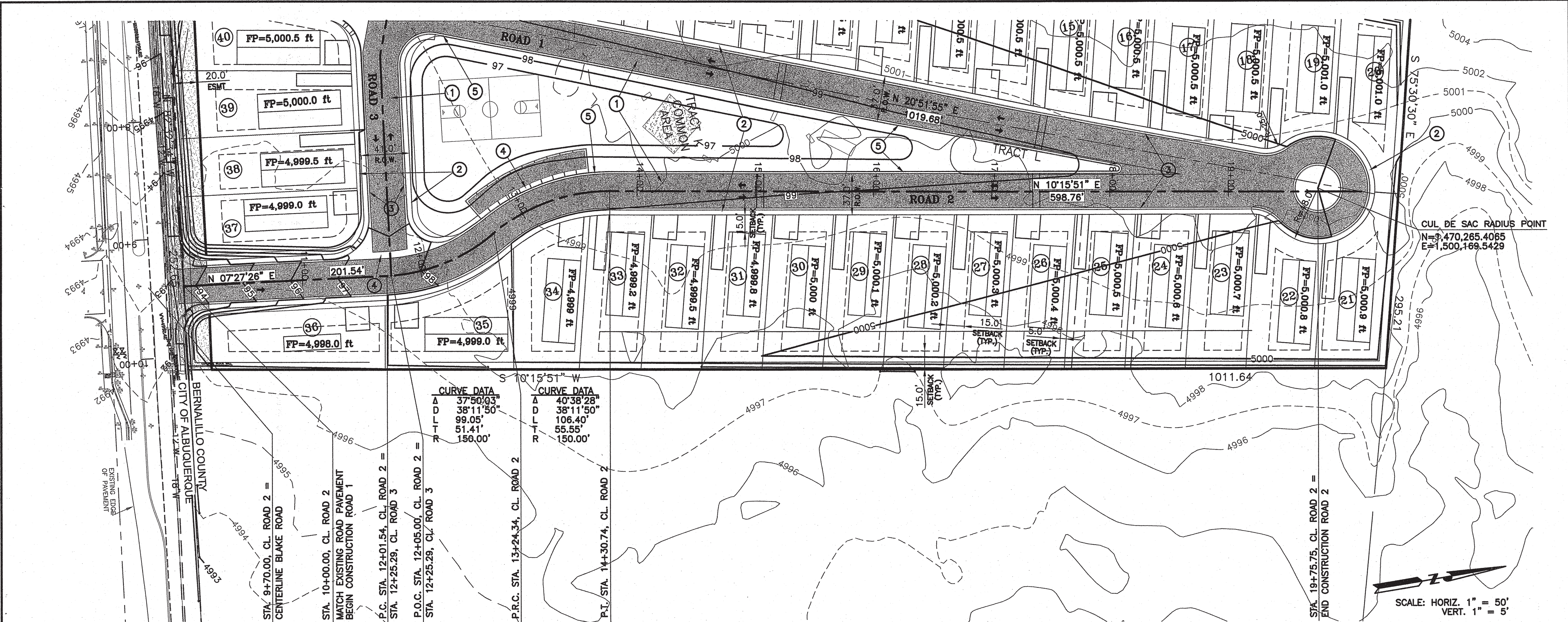




SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION		
NO.	BY	DATE	ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE	CONTRACTOR	WORK	DATE	
			STATION "4-110" HAVING AN ELEVATION OF 5003.719,		STARTED BY	DATE	
			NAVD 1988. 3-1/4" ALUMINUM DISC SET IN		ACCEPTANCE BY	DATE	
			CONCRETE POST ON S. SIDE OF BLAKE ROAD ON WEST		FIELD	DATE	
			END OF THIS SURVEY. N-1,469,300.61		REVISION BY	DATE	
			N-1,469,300.61		DRAWN BY	DATE	
			E=1,499,591.39		CORRECTED BY	DATE	
					MICRO-FILM INFORMATION		
					RECORDED BY	DATE	
					NO.		

DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO. <b>N10-D008</b>		ZONE MAP NO. <b>N-10</b>		SHEET <b>5</b> OF <b>25</b>		




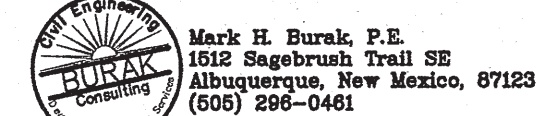


- KEYED NOTES:**
- ① 32' WIDE PAVEMENT SECTION, SEE SHEET 15 FOR DETAILS. (COA STD DETAIL 2405A)
  - ② INSTALL 4' WIDE CONCRETE SIDEWALK, SEE SHEET 15 FOR TYPICAL SIDEWALK DETAIL.
  - ③ INSTALL STANDARD CONCRETE CURB AND GUTTER, SEE SHEET 15 FOR DETAILS. (COA STD DETAIL 2415A)
  - ④ INSTALL CONCRETE VALLEY GUTTER, SEE SHEET 16 FOR DETAILS. (COA STD DETAIL 2420)
  - ⑤ INSTALL ESTATE CURB AND GUTTER, SEE SHEET 15 FOR DETAILS. (COA STD DETAIL 2415A)

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION "4-N10" HAVING AN ELEVATION OF 5003.719, NAVD 1988. 3"-1/4" ALUMINUM DISC SET IN CONCRETE POST ON S. SIDE OF BLAKE ROAD ON WEST END OF THIS SURVEY. N-1,469,300.61		CONTRACTOR	
			N-1,469,300.61		WORK STAKED BY	DATE
			E-1,499,591.39		FIELD OBSERVATION BY	DATE
					DRAWINGS CORRECTED BY	DATE
					MICRO-FILM INFORMATION	
					RECORDED BY	DATE
					NO.	

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**"FOR INFORMATION ONLY"**



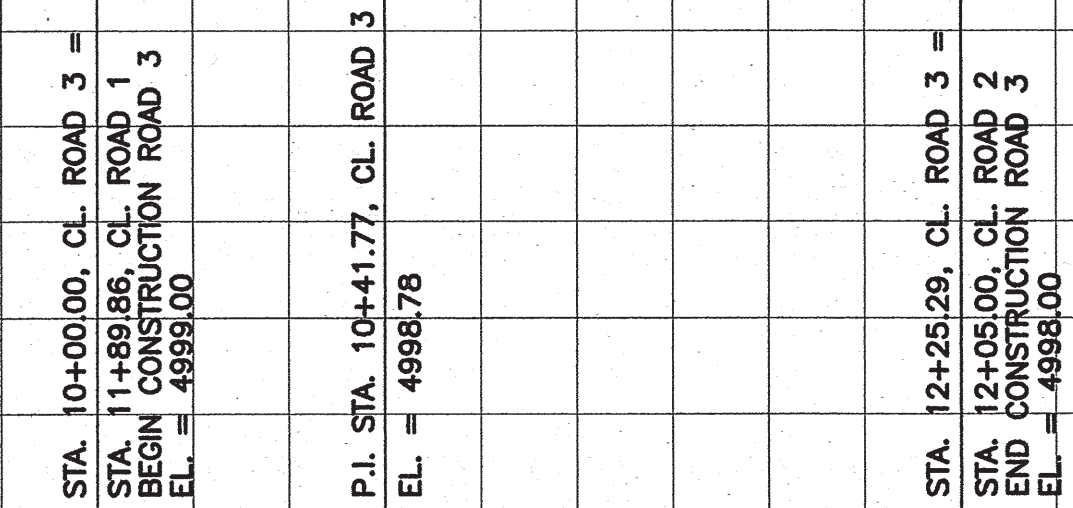
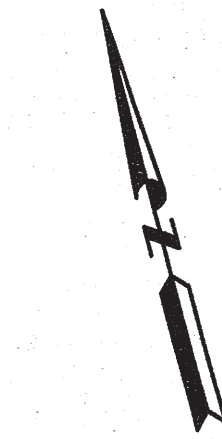
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE: SUNSHINE WEST SUBDIVISION 2  
ROAD 2 PLAN AND PROFILE


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

CITY PROJECT NO. <b>N10-D008</b>	ZONE MAP NO. <b>N-10</b>	SHEET <b>6</b>	OF <b>25</b>
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- "FOR INFORMATION ONLY"**



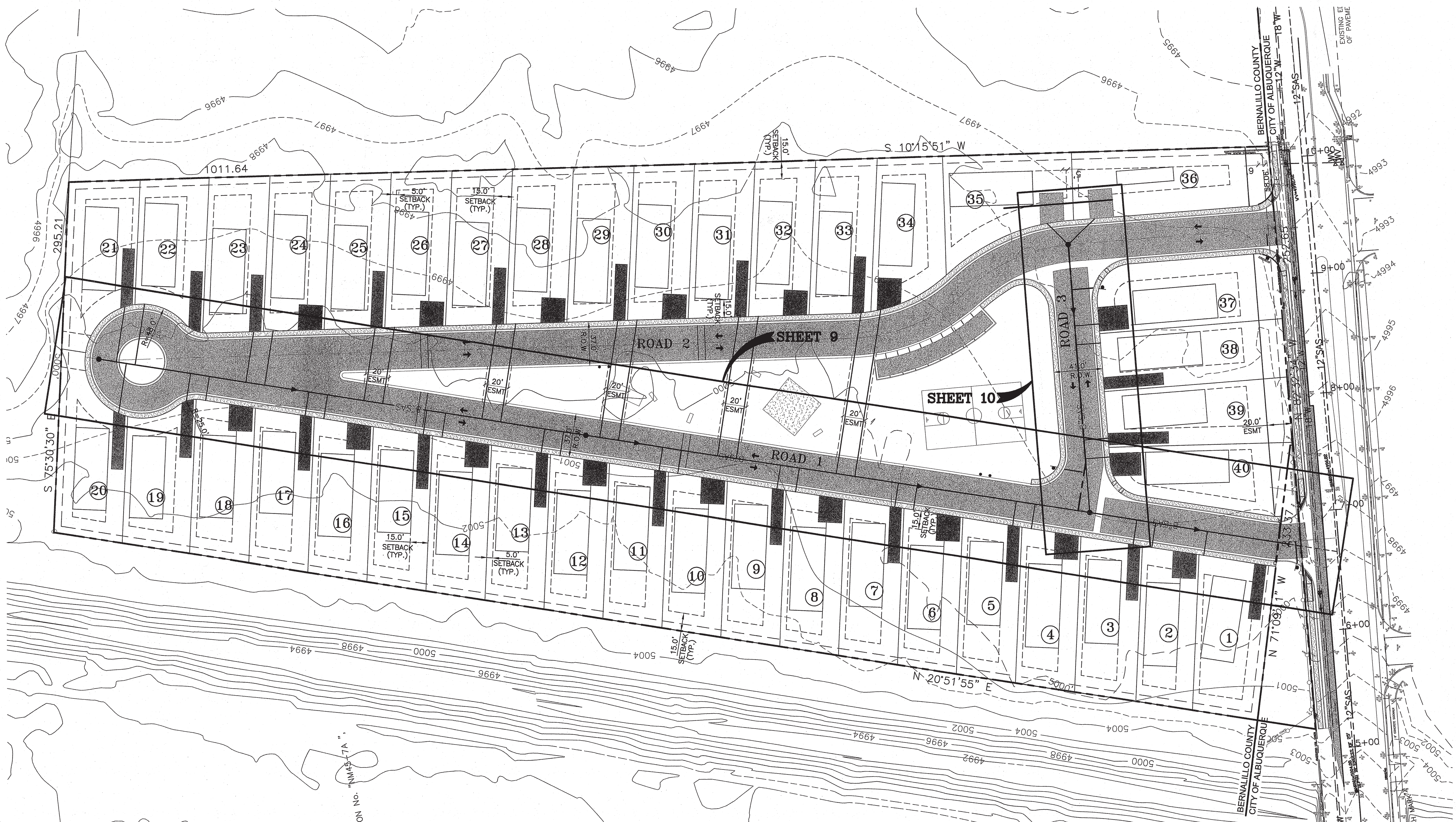
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

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

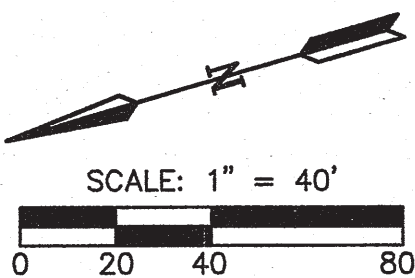
CITY PROJECT NO. <b>N10-D008</b>	778580	ZONE MAP NO. <b>N-10</b>	SHEET <b>7</b>	OF <b>25</b>
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**NOTE:**  
C.O.A. WORK ORDER #778580 INCLUDES ONLY WATER AND SANITARY SEWER IMPROVEMENTS SHOWN HEREON. ALL OTHER IMPROVEMENTS SHOWN ON THIS PLAN ARE EXCLUDED FROM THE WORK ORDER.



Mark H. Burak, P.E.  
1512 Sagebrush Trail SE  
Albuquerque, New Mexico, 87123  
(505) 268-0461

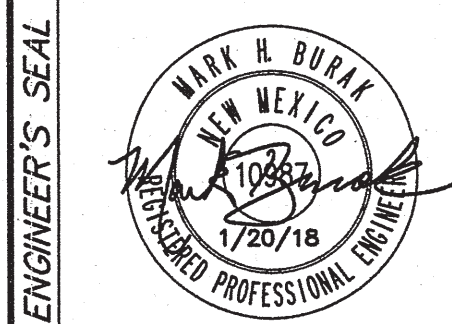
**CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT**

TITLE: **SUNSHINE WEST SUBDIVISION 2  
OVERALL SEWER LAYOUT PLAN**

DESIGN REVIEW COMMITTEE  
**APPROVE**  
FEB 05 2018  
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL  
**APPROVE**  
APR 22 2019  
CITY ENGINEER

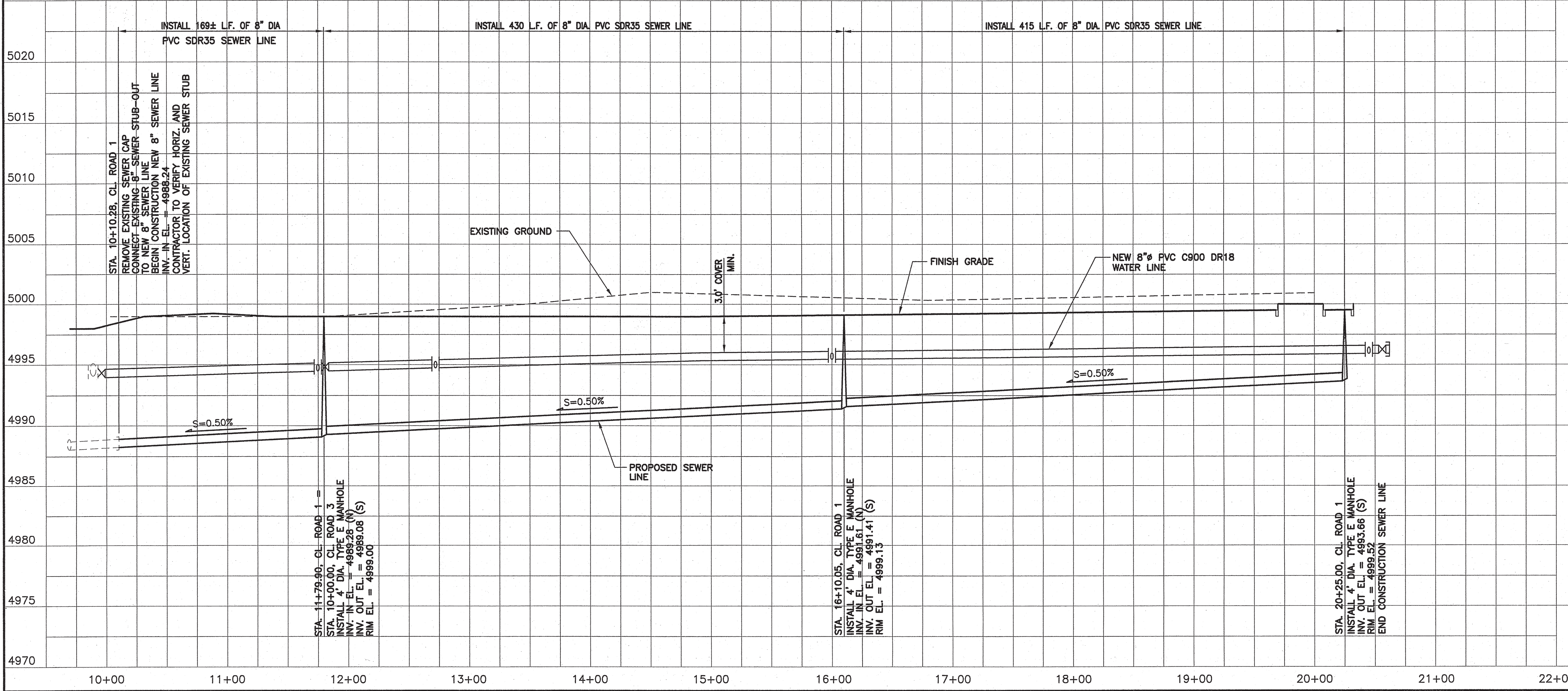
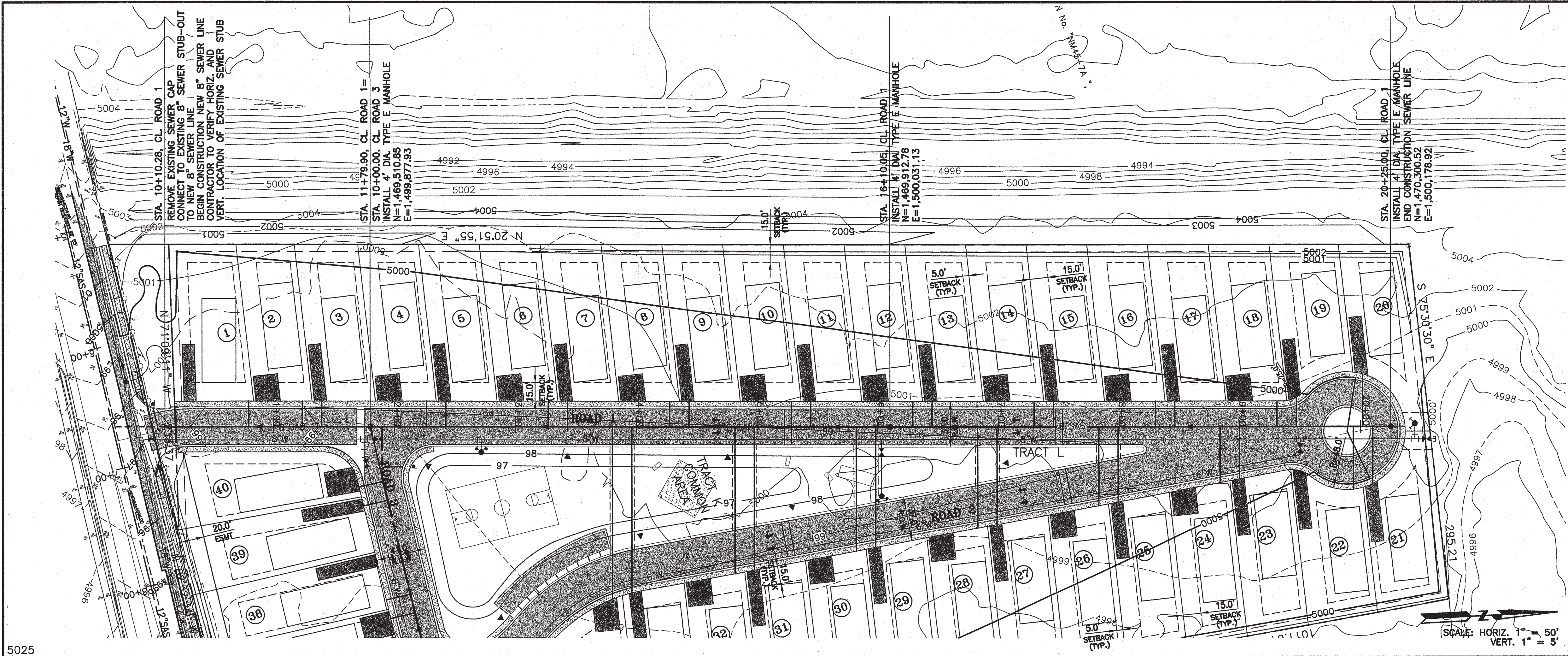
CITY PROJECT NO. **N10-D008** ZONE MAP NO. **N-10** SHEET **8** OF **25**



FIELD NOTES	
NO.	BY

BENCH MARKS	
ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION "4-N10" HAVING AN ELEVATION OF 5003.719, NAVD 1988. 3-1/4" ALUMINUM DISC SET IN CONCRETE POST ON S. SIDE OF BLAKE ROAD ON WEST END OF THIS SURVEY. N=1,469,300.61 E=1,499,591.39	
AS BUILT INFORMATION	
CONTRACTOR	DATE
INSPECTOR'S	DATE
STAKED BY	DATE
FIELD VERIFICATION BY	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	





SANITARY SEWER SERVICE TABLE				
STA.	LOT #	LT/RT	INV. AT PL	SIZE
10+79.56	1	LT	4990.00	4" SAS
11+23.86	2	LT	4990.22	4" SAS
11+39.86	3	LT	4990.30	4" SAS
12+26.49	4	LT	4990.91	4" SAS
12+42.49	5	LT	4990.99	4" SAS
13+27.11	6	LT	4991.41	4" SAS
13+43.11	7	LT	4991.49	4" SAS
13+80.24	34	RT	4994.12	4" SAS
13+96.24	33	RT	4994.10	4" SAS
14+27.73	8	LT	4991.92	4" SAS
14+43.73	9	LT	4992.00	4" SAS
14+81.64	32	RT	4994.21	4" SAS
14+97.64	31	RT	4994.23	4" SAS
15+28.36	10	LT	4992.42	4" SAS
15+44.36	11	LT	4992.50	4" SAS
15+82.17	30	RT	4994.33	4" SAS
15+98.17	29	RT	4994.35	4" SAS
16+28.98	12	LT	4993.10	4" SAS
16+44.98	13	LT	4993.18	4" SAS
16+82.70	28	RT	4994.63	4" SAS
16+98.70	27	RT	4994.65	4" SAS
17+29.60	14	LT	4993.61	4" SAS
17+45.60	15	LT	4993.69	4" SAS
17+83.24	26	RT	4994.76	4" SAS
17+99.24	25	RT	4994.79	4" SAS
18+30.22	16	LT	4994.11	4" SAS
18+46.22	17	LT	4994.19	4" SAS
18+83.77	24	RT	4994.89	4" SAS
18+99.77	23	RT	4994.91	4" SAS
19+30.81	18	LT	4994.61	4" SAS
19+46.81	19	LT	4994.75	4" SAS
19+92.57	22	LT	4995.54	4" SAS
20+01.57	20	RT	4995.41	4" SAS
20+10.05	21	RT	4995.54	4" SAS

NOTE:  
C.O.A. WORK ORDER #778580 INCLUDES ONLY WATER AND SANITARY SEWER IMPROVEMENTS SHOWN HEREON. ALL OTHER IMPROVEMENTS SHOWN ON THIS PLAN ARE EXCLUDED FROM THE WORK ORDER.

Mark H. Burek, P.E.  
1512 Sagebrush Trail SE  
Albuquerque, New Mexico, 87123  
(505) 298-0461

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

SUNSHINE WEST SUBDIVISION 2  
SEWER LINE PLAN AND PROFILE ROAD 1

DESIGN REVIEW COMMITTEE  
APPROVED  
FEB 05 2018  
DESIGN REVIEW COMMITTEE

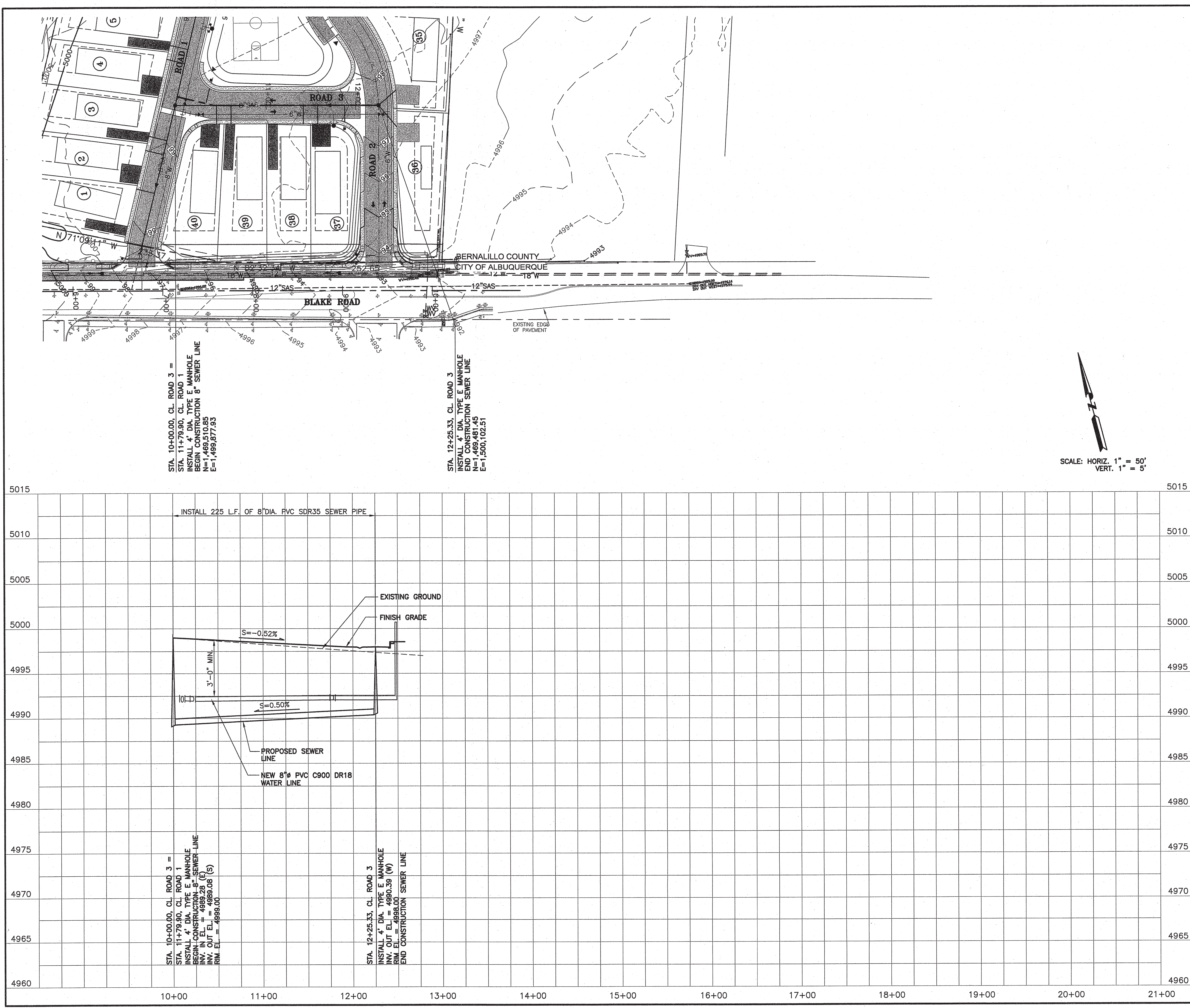
CITY ENGINEER APPROVAL  
APPROVED  
APR 22 2019  
CITY ENGINEER

CITY PROJECT NO. N10-D008 ZONE MAP NO. 778580 SHEET 9 OF 25



REVISIONS	
NO.	DATE
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE





STA.	LOT #	LT/RT	INV. AT PL	SIZE
10+45.01	40	RT	4990.91	4" SAS
10+61.01	39	RT	4990.99	4" SAS
11+41.51	38	RT	4991.39	4" SAS
11+57.51	37	RT	4991.47	4" SAS
12+25.33	36	RT	4992.14	4" SAS
12+25.33	35	LT	4991.98	4" SAS

**NOTE:**

C.O.A. WORK ORDER #778580 INCLUDES ONLY WATER AND SANITARY SEWER IMPROVEMENTS SHOWN HEREON. ALL OTHER IMPROVEMENTS SHOWN ON THIS PLAN ARE EXCLUDED FROM THE WORK ORDER.

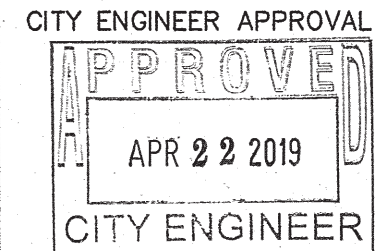


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1512 Sagebrush Trail SE  
Albuquerque, New Mexico, 87123  
(505) 298-0481



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE: SUNSHINE WEST SUBDIVISION 2  
SEWER LINE PLAN AND PROFILE ROAD 3



## LAST DESIGN UPDATE

MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.  
**N10-D008**

778580	ZONE MAP NO. N-10
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SHEET 10 OF 25



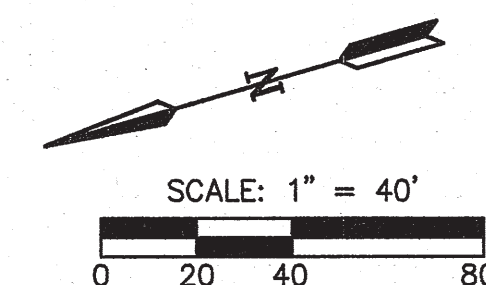
1. ON ALL WATER SERVICE LINES PROVIDE DUAL CHECK VALVES IN THE METER BOXES.
2. ALL WATER SERVICE LINES TO BE 3/4".
3. TRACE WIRE SHALL BE INSTALLED ON ALL WATER LINES.



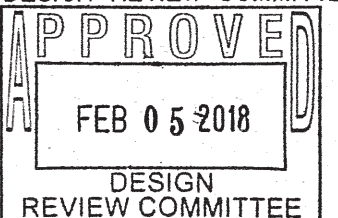
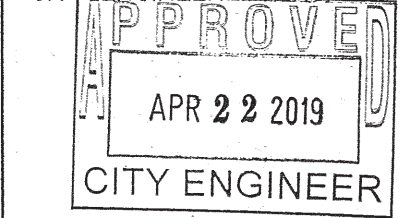
ROAD 1	WV1, WV3, AND WV4
ROAD 2	WV3, WV5
ROAD 3	WV4 AND WV5

THE CONTRACTOR SHALL COORDINATE WITH THE WATER UTILITY AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT [http://www.abcwua.org/water\\_shut\\_off\\_and\\_turn\\_on\\_procedures.aspx](http://www.abcwua.org/water_shut_off_and_turn_on_procedures.aspx)

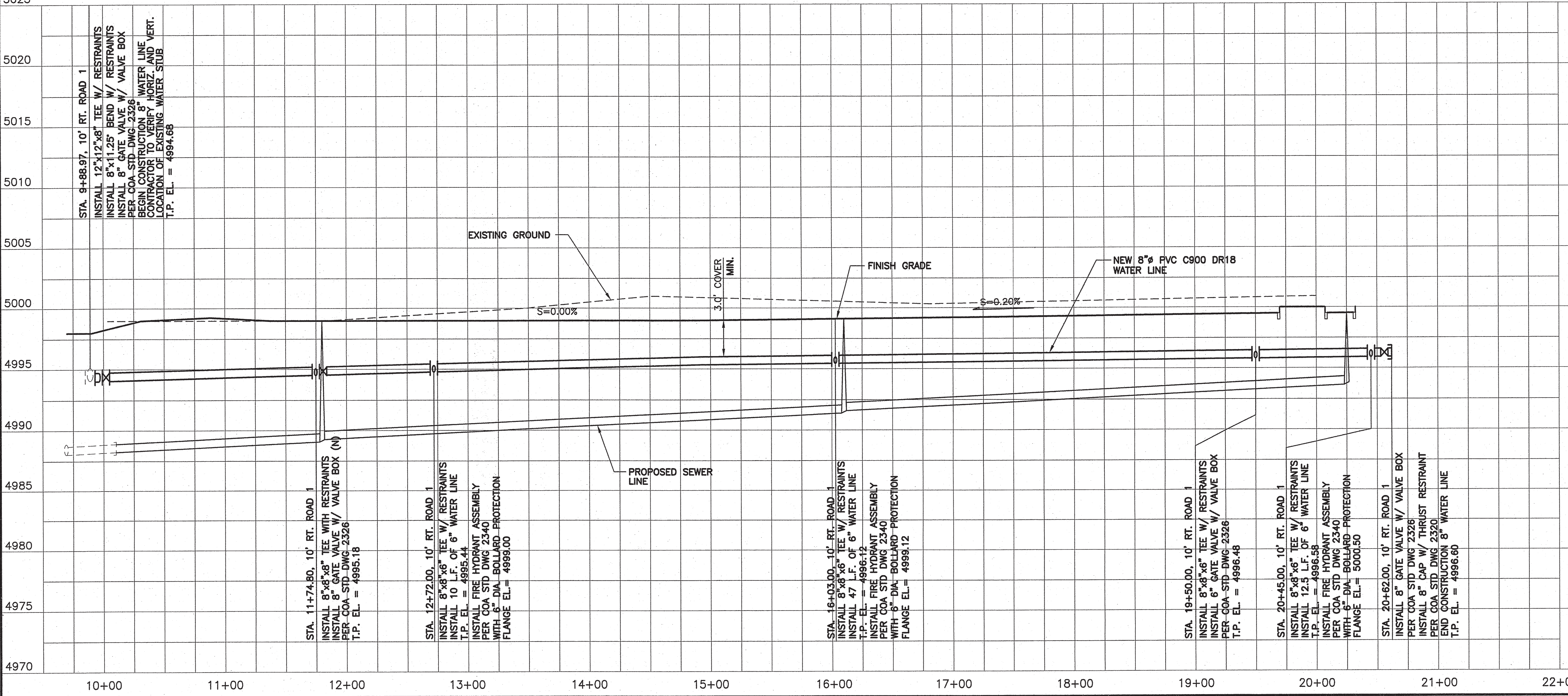
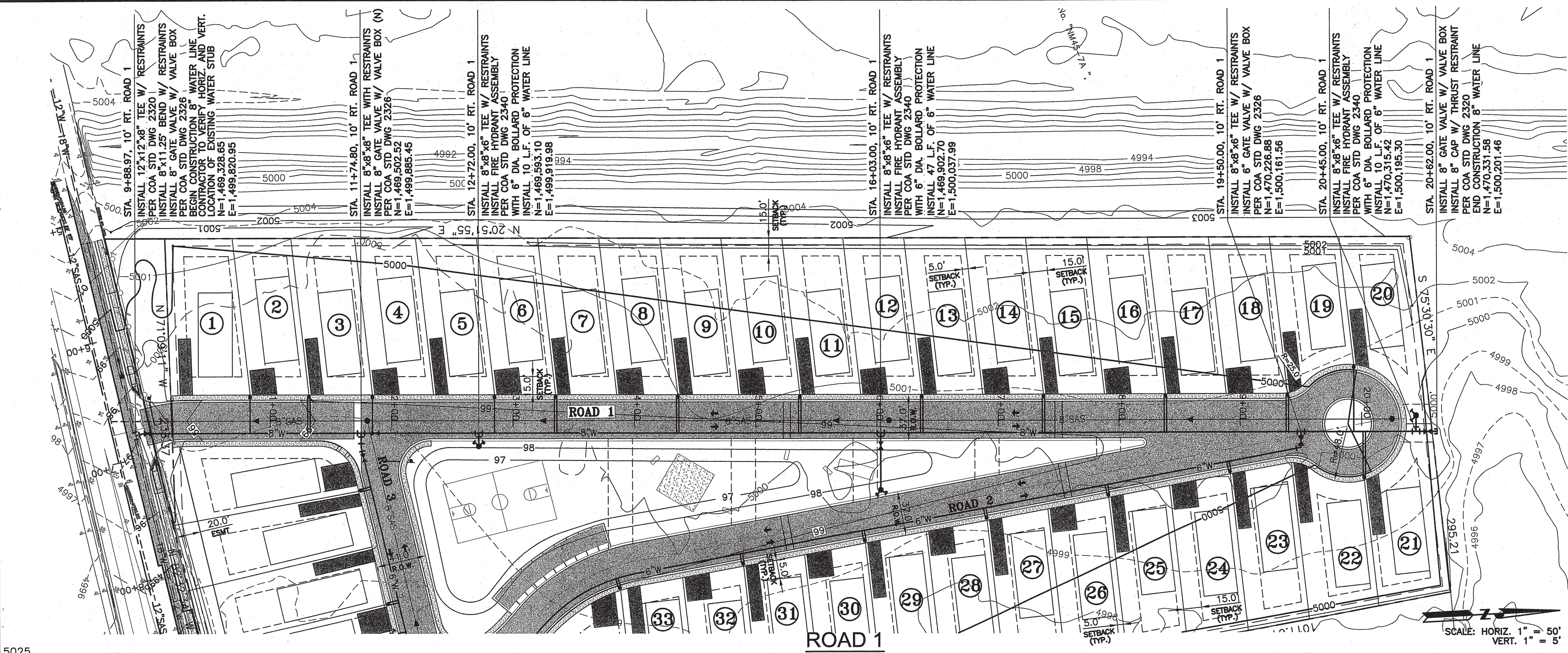
C.O.A. WORK ORDER #778580 INCLUDES ONLY WATER AND SANITARY SEWER IMPROVEMENTS SHOWN HEREON. ALL OTHER IMPROVEMENTS SHOWN ON THIS PLAN ARE EXCLUDED FROM THE WORK ORDER.

WATER VALVE DATA										
	WATER VALVE #1		WATER VALVE #2		WATER VALVE #3		WATER VALVE #4		WATER VALVE #5	
	DESIGN	AS-BUILT	DESIGN	AS-BUILT	DESIGN	AS-BUILT	DESIGN	AS-BUILT	DESIGN	AS-BUILT
NORTHING	1,469,338.30		1,469,513.56		1,470,224.22		1,469,497.21		1,469,471.18	
EASTING	1,499,822.86		1,499,889.66		1,500,168.53		1,499,905.09		1,500,103.95	



 <p>Maria H. Burek, F.E. 1512 Sagebrush Trail SE Albuquerque, New Mexico, 87125 (505) 258-0441</p>										
<div style="display: flex; justify-content: space-between;"> <div>   <b>CITY OF ALBUQUERQUE</b>  <b>PUBLIC WORKS DEPARTMENT</b> </div> <div>             DESIGNED BY _____              DRAWN BY _____              CHECKED BY _____           </div> </div>										
TITLE:  <div style="text-align: center;"> <b>SUNSHINE WEST SUBDIVISION 2</b>  <b>OVERALL WATER LAYOUT PLAN</b> </div>										
DESIGN REVIEW COMMITTEE			CITY ENGINEER APPROVAL			MO./DAY/YR.		MO./DAY/YR.		
						LAST DESIGN UPDATE				
CITY PROJECT NO. <b>N10-D008</b>			ZONE MAP NO. <b>N-10</b>			SHEET <b>11</b>		OF <b>25</b>		



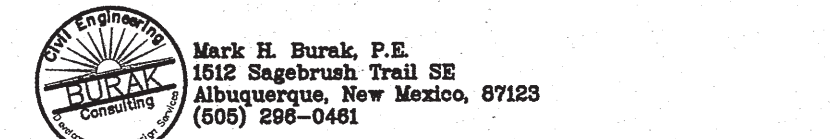


WATER SERVICE TABLE		
STA.	LOT	SIZE
10+83.56, 20.50' LT. N=1,469,428.12 E=1,499,824.45	1	3/4" W
11+30.86, 20.50' LT. N=1,469,473.25 E=1,499,841.66	2	3/4" W
11+32.86, 20.50' LT. N=1,469,473.25 E=1,499,841.66	3	3/4" W
11+84.18, 20.50' LT. N=1,469,522.15 E=1,499,860.29	4	3/4" W
12+84.80, 20.50' LT. N=1,469,616.17 E=1,499,996.17	5	3/4" W
13+34.11, 20.50' LT. N=1,469,663.18 E=1,499,914.05	6	3/4" W
13+36.11, 20.50' LT. N=1,469,663.18 E=1,499,914.05	7	3/4" W
14+34.73, 20.50' LT. N=1,469,757.20 E=1,499,948.89	8	3/4" W
14+36.73, 20.50' LT. N=1,469,757.20 E=1,499,948.89	9	3/4" W
15+35.36, 20.50' LT. N=1,469,851.23 E=1,499,985.73	10	3/4" W
15+37.36, 20.50' LT. N=1,469,851.23 E=1,499,985.73	11	3/4" W
16+35.98, 20.50' LT. N=1,469,945.25 E=1,500,021.57	12	3/4" W
16+37.98, 20.50' LT. N=1,469,945.25 E=1,500,021.57	13	3/4" W
17+36.60, 20.50' LT. N=1,470,039.27 E=1,500,057.41	14	3/4" W
17+38.60, 20.50' LT. N=1,470,039.27 E=1,500,057.41	15	3/4" W
18+37.22, 20.50' LT. N=1,470,133.30 E=1,500,093.24	16	3/4" W
18+39.22, 20.50' LT. N=1,470,133.30 E=1,500,093.24	17	3/4" W
19+37.81, 20.50' LT. N=1,470,227.39 E=1,500,128.79	18	3/4" W
19+39.81, 20.50' LT. N=1,470,227.39 E=1,500,128.79	19	3/4" W
19+93.57, 20.50' LT. N=1,470,286.84 E=1,500,126.59	20	3/4" W
20+01.01, 49.89' RT. N=1,470,261.31 E=1,500,117.37	22	3/4" W
20+03.05, 49.89' RT. N=1,470,261.31 E=1,500,117.37	21	3/4" W

RESTRAINED JOINT TABLE

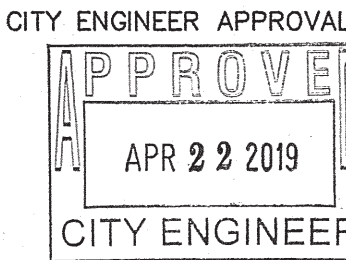
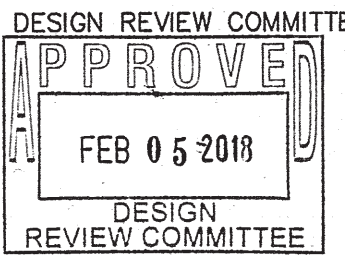
RESTRAINTS	
PIPE MATERIAL	PVC 6-IN
SOIL TYPE	SW - WELL GRADED SANDS
SAFETY FACTOR	1.5 : 1
TRENCH TYPE	4-IN BEDDING, LOOSE
DEPTH OF BURY	3-FT
TEST PRESSURE	200 PSI
FITTING TYPE	
HORIZONTAL BEND:	PVC 6-IN
11.25 DEG	3-FT - 1,466 LBS THRUST
22.5 DEG	6 FT - 2,918 LBS THRUST
45 DEG	11-FT - 5,724 LBS THRUST
90 DEG	27-FT - 10,576 LBS THRUST
TEE	
41-FT	7,478 LBS THRUST
21-FT	7,478 LBS THRUST
2-FT	7,478 LBS THRUST
1-FT	7,478 LBS THRUST
60-FT	7,478 LBS THRUST

NOTE:  
C.O.A. WORK ORDER #778580 INCLUDES ONLY WATER AND SANITARY SEWER IMPROVEMENTS SHOWN HEREON. ALL OTHER IMPROVEMENTS SHOWN ON THIS PLAN ARE EXCLUDED FROM THE WORK ORDER.



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE:  
SUNSHINE WEST SUBDIVISION 2  
WATER LINE PLAN AND PROFILE



AS BUILT INFORMATION			
CONTRACTOR	DATE	INSPECTOR'S SIGNATURE	DATE
STATION "4-N10" HAVING AN ELEVATION OF 5003.719	NAVD 1988	3-1/4" ALUMINUM DISC SET IN CONCRETE POST ON S. SIDE OF BLAKE ROAD ON WEST END OF THIS SURVEY.	N-1,469,300.61
BENCH MARKS			
ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE			
SURVEY INFORMATION			
FIELD NOTES	DATE	BY	NO.
NO.	DATE	BY	NO.
ENGINEER'S SEAL			
NO.	DATE	BY	NO.
REVISIONS	DATE	BY	NO.
DESIGNED BY	DATE	BY	NO.
DRAWN BY	DATE	BY	NO.
CHECKED BY	DATE	BY	NO.



**EXISTING GROUND**

**FINISH GRADE**

**NEW 6" PVC C900 DR18 WATER LINE**

**3.0' COVER MIN.**

**1" MIN. C.R. (TYP.)**

**EXISTING STUB-OUT**

**STA. 9+00.57, 54.23' RT. ROAD 2  
REMOVE EXISTING CAP AND CONNECT TO EXISTING WATER LINE  
CONSTRUCTION OF NEW WATER LINE  
LOCATION OF EXISTING WATER STUB-OUT  
NON-PRESSURE CONNECTION  
T.P. EL. = 4990.00 (FIELD VERIFY)**

**STA. 10+10.35, 54.23' RT. ROAD 2  
INSTALL 6"x30" BEND W/ RESTRAINTS  
T.P. EL. = 4990.68**

**STA. 10+10.35, 10' RT. ROAD 2  
INSTALL 6"x30" BEND WITH RESTRAINTS  
T.P. EL. = 4990.68**

**STA. 11+65.00, 10' RT. ROAD 2  
INSTALL 6"x6"x6" TEE WITH RESTRAINTS  
T.P. EL. = 4994.61**

**STA. 19+34.04, 10' RT. ROAD 2  
INSTALL 6"x45" BEND WITH RESTRAINTS  
INSTALL 6"x11.25" BEND WITH RESTRAINTS  
T.P. EL. = 4996.46**

**STA. 19+36.41, 2.71' LT. ROAD 2  
INSTALL 8"x8"x6" TEE WITH RESTRAINTS  
END CONSTRUCTION ON 6" WATER LINE  
T.P. EL. = 4996.46**

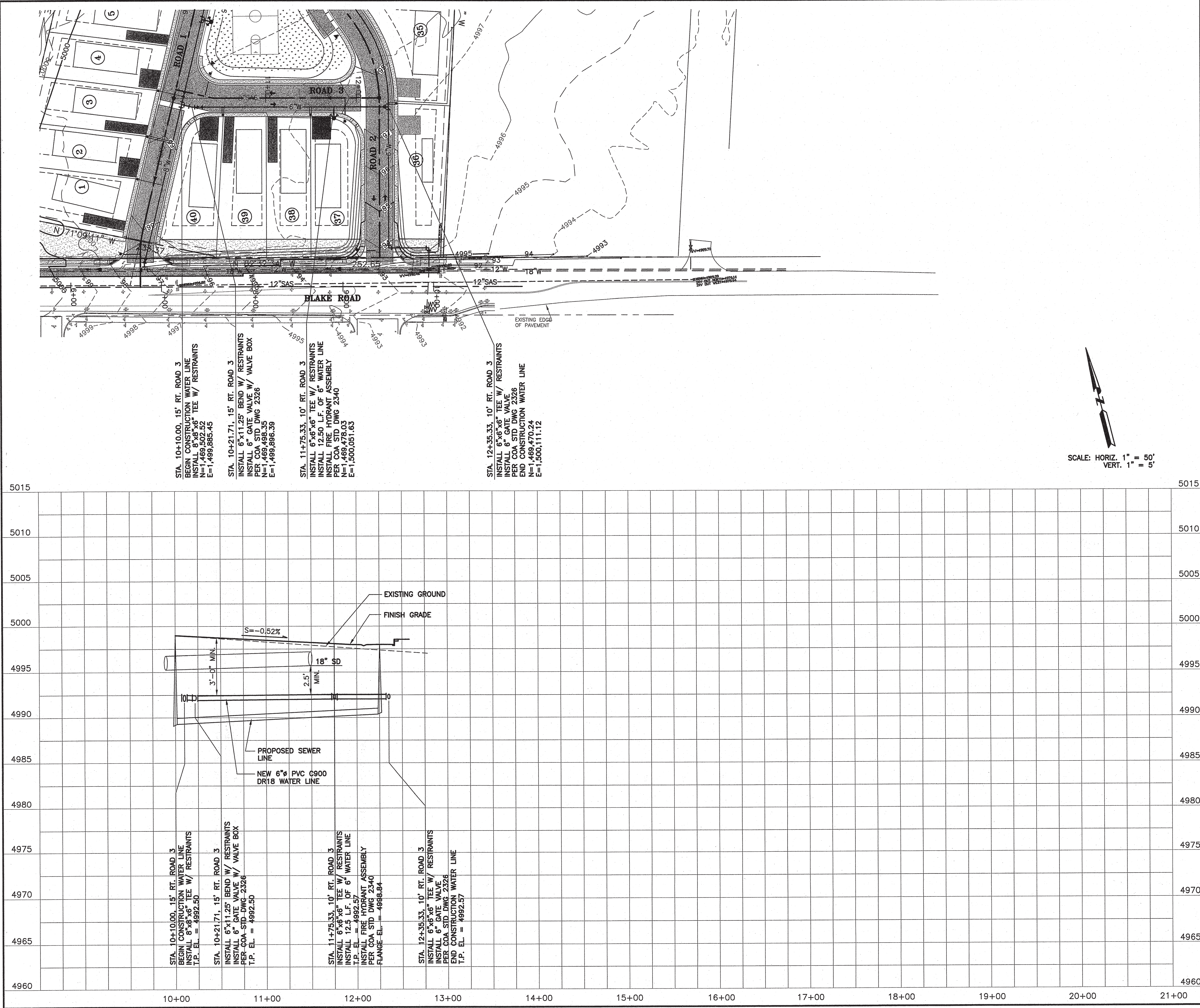
CITY PROJECT NO. <b>N10-D008</b>	778580	ZONE MAP NO. <b>N-10</b>	SHEET <b>13</b>	OF <b>25</b>
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NO.	SHEET	OF
<b>-10</b>	<b>13</b>	<b>25</b>









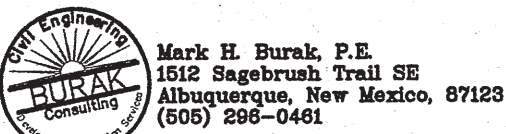
WATER SERVICE TABLE		
STA.	LOT	SIZE
10+52.01, 20.50' RT. N=1,469,483.49 E=1,499,928.99	40	3/4" W
10+54.01, 20.50' RT. N=1,469,483.49 E=1,499,928.99	39	3/4" W
11+48.51, 20.50' RT. N=1,469,470.97 E=1,500,024.67	38	3/4" W
11+50.51, 20.50' RT. N=1,469,470.97 E=1,500,024.67	37	3/4" W

RESTRAINED JOINT TABLE

RESTRAINTS	
PIPE MATERIAL	PVC 6-IN
SOIL TYPE	SW - WELL GRADED SANDS
SAFETY FACTOR	1.5 : 1
TRENCH TYPE	4-IN BEDDING, LOOSE
DEPTH OF BURY	3-FT
TEST PRESSURE	200 PSI

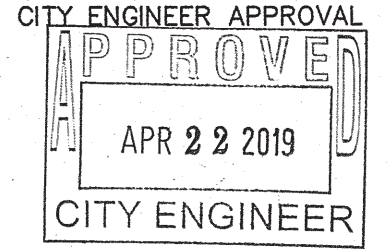
FITTING TYPE	
HORIZONTAL BEND:	PVC 6-IN
11.25 DEG	3-FT - 1,466 LBS THRUST
22.5 DEG	6 FT - 2,918 LBS THRUST
45 DEG	11-FT - 5,724 LBS THRUST
90 DEG	27-FT - 10,576 LBS THRUST
TEE 6X6X6	
RUN LENGTH 5	41-FT - 7,478 LBS THRUST
RUN LENGTH 10	21-FT - 7,478 LBS THRUST
RUN LENGTH 15	2-FT - 7,478 LBS THRUST
RUN LENGTH 20	1-FT - 7,478 LBS THRUST
DEAD END	60-FT - 7,478 LBS THRUST

NOTE:  
C.O.A. WORK ORDER #778580 INCLUDES ONLY WATER AND SANITARY SEWER IMPROVEMENTS SHOWN HEREON. ALL OTHER IMPROVEMENTS SHOWN ON THIS PLAN ARE EXCLUDED FROM THE WORK ORDER.



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE:  
SUNSHINE WEST SUBDIVISION 2  
WATER LINE PLAN AND PROFILE



DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED FEB 05 2018 DESIGN REVIEW COMMITTEE	APPROVED APR 22 2019 CITY ENGINEER			
CITY PROJECT NO. N10-D008	ZONE MAP NO. 778580	N-10	SHEET 14	OF 25

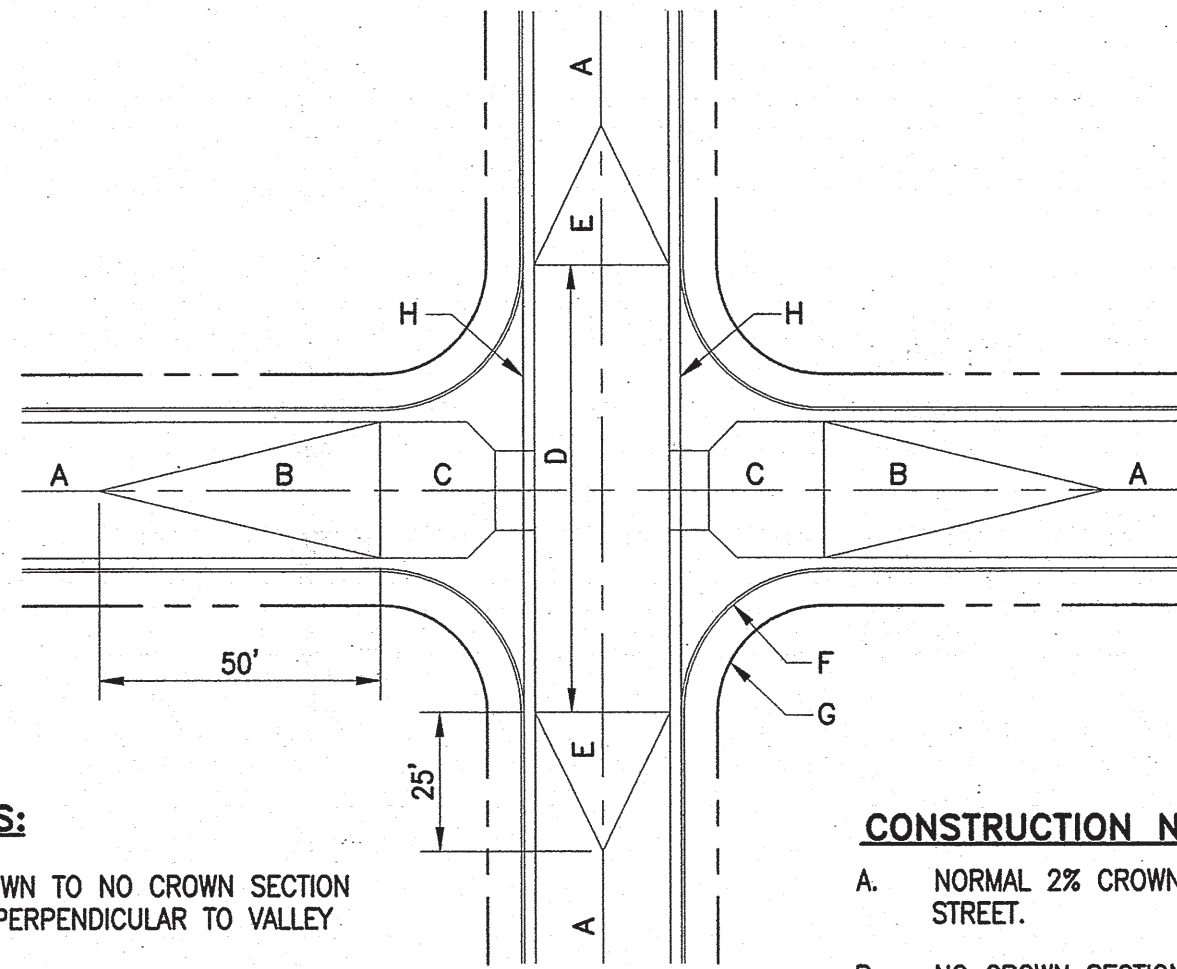


REVISIONS	
NO.	DATE
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2	11/09
3	11/09
4	11/09
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REVISIONS	
NO.	DATE
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DESIGNED BY MHB	DRAWN BY TDS	CHECKED BY MHB
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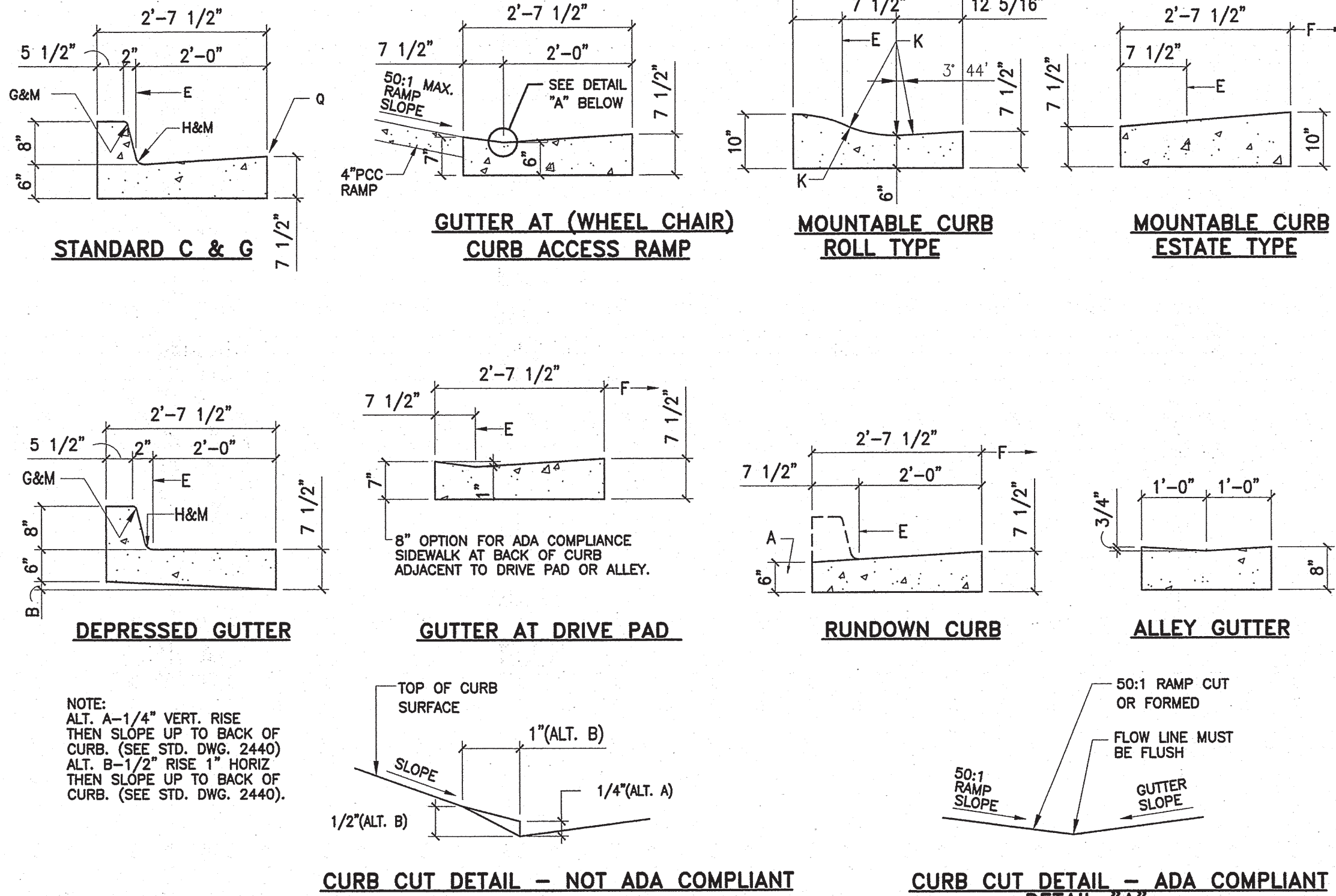


GENERAL NOTES:

- REDUCE NORMAL CROWN TO NO CROWN SECTION WHEN APPROACHING PERPENDICULAR TO VALLEY GUTTER.
- REDUCE NORMAL CROWN TO HALF CROWN SECTION WHEN STREET IS PARALLEL TO VALLEY GUTTER.
- FOR "T" INTERSECTIONS THE THROUGH STREET WILL RETAIN NORMAL CROWN & THE LEG OF THE "T" WILL REDUCE NORMAL CROWN TO NO CROWN SECTION WHEN APPROACHING PERPENDICULAR TO VALLEY GUTTER.
- CONSTR. PLANS WILL DETAIL "T" INTERSECTION WHEN DRAINAGE FLOWS ACROSS THROUGH STREET ON INTERSECTION.
- CONSTR. PLANS WILL SPECIFY RADII OF CURB RETURNS.

CONSTRUCTION NOTES:

- NORMAL 2% CROWN FOR RESIDENTIAL STREET.
- NO CROWN SECTION.
- NO CROWN SECTION.
- HALF CROWN SECTION.
- TRANSITION SECTION FROM FULL CROWN TO HALF CROWN SECTION
- CURB RETURN
- PROPERTY RETURN
- FLOWLINE OF VALLEY GUTTER



GENERAL NOTES:

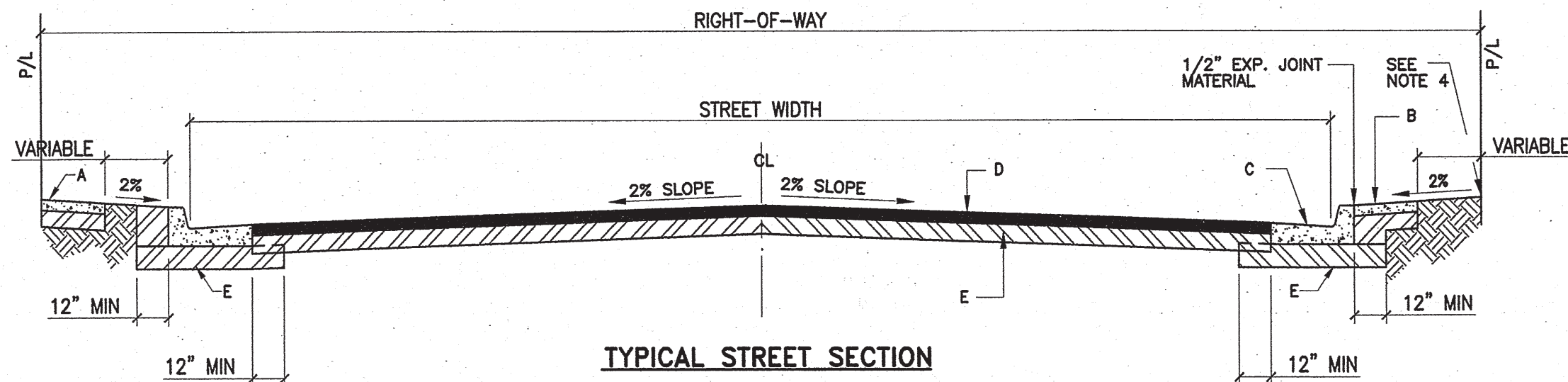
- CURB, GUTTER AND CUT-OFF WALL WILL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE (PCC).
- FOR STANDARD AND MEDIAN C&G ADJACENT TO ASPHALT CONCRETE (AC) PAVEMENT, PROVIDE CONTRACTION JOINTS AT 12' MAX. SPACING. CONTRACTION JOINTS SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT FINISHED FACES. 1/2" EXPANSION JOINTS TO BE INSTALLED AT CURB RETURNS AND AT A MAXIMUM SPACING OF 200' BETWEEN CURB RETURNS AND SEPARATELY CONSTRUCTED DRIVEWAYS.
- FOR ALL OTHER C & G CUT-OFF WALL PROVIDE CONTRACTION JOINTS AT 10' MAX SPACING, 1/2" EXP. JTS. AT CURB RETURNS & AT A MAXIMUM SPACING OF 100' BETWEEN CURB RETURNS & EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS. CONTRACTION JOINTS SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT ALL FINISHED FACES. REINFORCEMENT SHALL NOT BE USED IN CUT-OFF WALLS.
- FOR C & G CONSTRUCTED WITH PCC PAVEMENT, CONTRACTION JOINTS AND EXPANSION JOINTS SHALL BE THE SAME AS THE PAVEMENT JOINTS.
- ALL EDGES SHALL BE EDGED WITH A 3/8" RADIUS EDGING TOOL.
- STANDARD C & G SHALL BE USED FOR NEW CONSTRUCTION UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER.
- REMOVE & REPLACE PAVEMENT 1" WIDE ADJACENT TO TOP OF GUTTER WHEN CONSTRUCTING C & G ADJACENT TO EXISTING AC PAVEMENT.
- 1/4" ISOLATION JOINT SHALL BE PLACED BETWEEN SIDEWALK AND C & G WHEN OAST ADJACENT TO EACH OTHER.
- ADA = AMERICANS WITH DISABILITY ACT.

CONSTRUCTION NOTES:

SEE COA DRAWING 2415B

1 TYPICAL RESIDENTIAL STREET INTERSECTION GRADING CONCEPT  
SCALE: N.T.S. C.O.A. STD. DWG. 2401

2 TYPICAL CURB AND GUTTER DETAILS  
SCALE: N.T.S. C.O.A. STD. DWG. 2415A



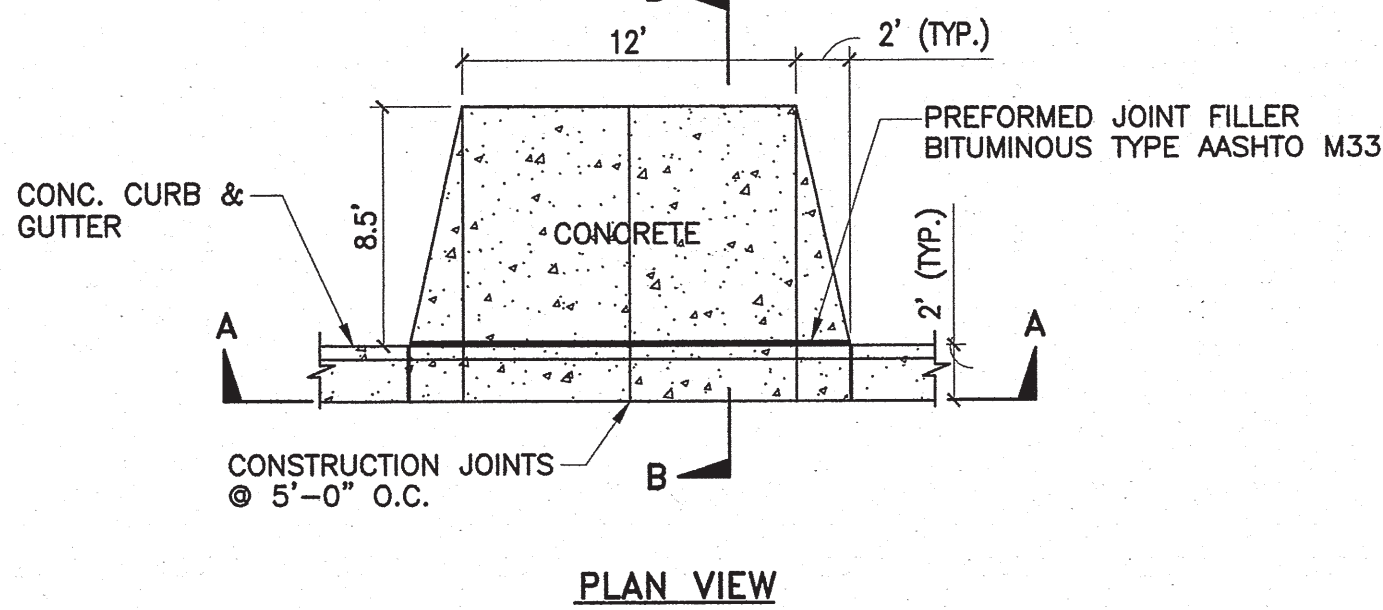
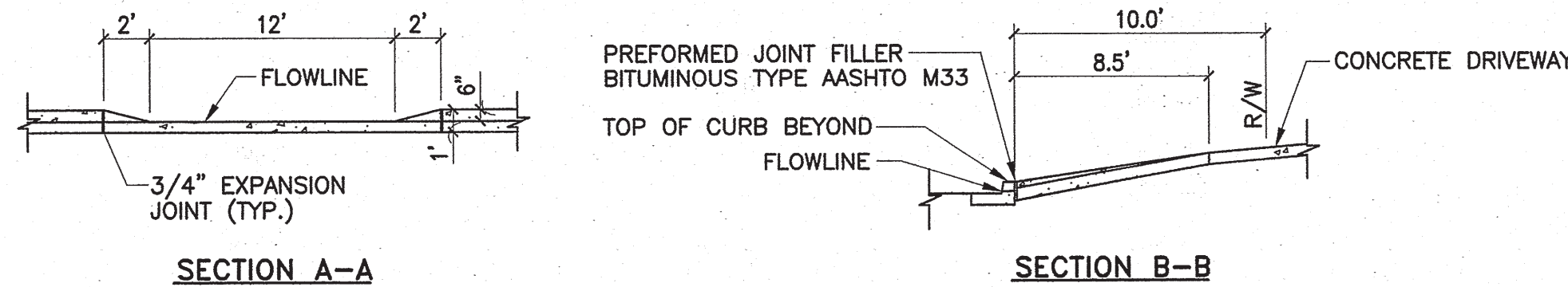
TYPICAL STREET SECTION

GENERAL NOTES:

- CROWN ON STREET SHALL BE AS FOLLOWS:  
a. 32' STREET = 4"  
b. 40' STREET = 5"  
c. LESS THAN 32' STREET, PAVEMENT SLOPE = 2
- ALL SUBGRADE COMPACTION FOR C & G SHALL EXTEND 12" MIN ON EITHER SIDE OF C & G OR CURB SECTION.
- SUBGRADE PREPARATION UNDER SIDEWALK AND DRIVE PADS SHALL BE INCIDENTAL TO ITEM.
- FINISH GRADE AT PROPERTY LINE SHALL BE BASED ON A MIN 2% SLOPE FROM TOP OF CURB.
- ALL ASPHALT CONCRETE (AC) PAVEMENT SHALL COMPLY WITH SECTION 116.
- ALL PORTLAND CEMENT CONCRETE (PCC) PAVEMENT SHALL COMPLY WITH SECTION 101.
- IN ACCORDANCE WITH COA DPM THE FOLLOWING APPLIES UNLESS AUTHORIZED OTHERWISE BY THE CITY ENGINEER:  
\* RESIDENTIAL STREETS SERVING 50 LOTS OR LESS SHALL BE DESIGNED AS LOCAL RESIDENTIAL STREETS.  
\* RESIDENTIAL STREETS SERVING MORE THAN 50 LOTS WITH AN ANTICIPATED ADOT < 3000 SHALL BE DESIGNED AS MAJOR LOCAL STREETS.
- FOR SUBGRADE R-VALUE < 50, PAVEMENT SECTION SHALL BE DESIGNED IN ACCORDANCE WITH DPM CH. 23.
- SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE UTILITIES ARE CONSTRUCTED.

CONSTRUCTION NOTES:

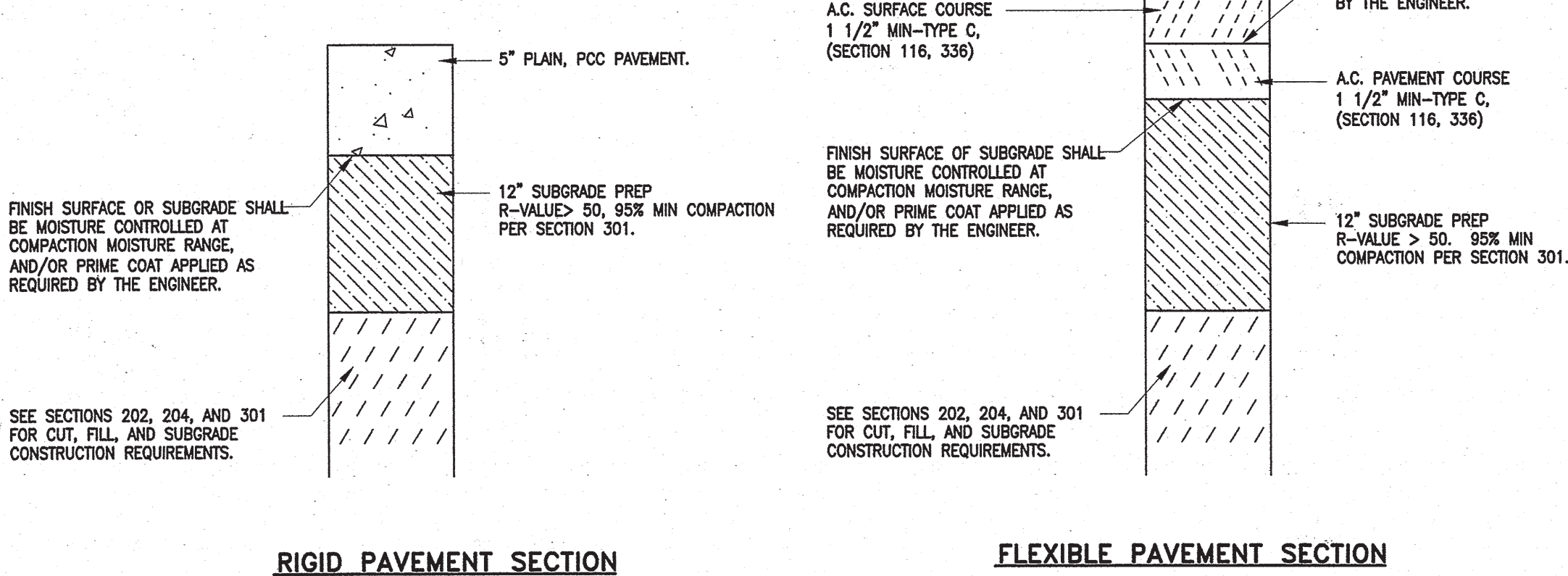
- SIDEWALK AT STANDARD SETBACK.
- SIDEWALK ADJACENT TO CURB. (NON-STANDARD, VARIANCE REQUIRED).
- STANDARD CURB AND GUTTER.
- ASPHALT CONCRETE (AC) OR PORTLAND CEMENT (PCC) PAVEMENT.
- 12" COMPACTED SUBGRADE PREP, 95% COMPACTION.



4 TYPICAL DRIVEWAY APRON  
SCALE: N.T.S. C.O.A. STD. DWG. 2425

CONSTRUCTION NOTES:

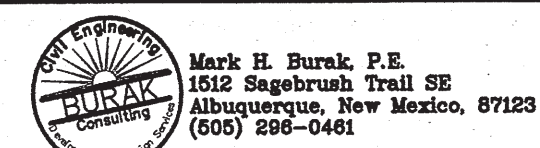
- PREPARE SUBGRADE IN ACCORDANCE WITH THE SPECIFICATIONS, DIVISION 2. COMPACT SUBGRADE TO 95% DENSITY.
- ALL CONCRETE SHALL BE 3500 PSI PCC.



RIGID PAVEMENT SECTION

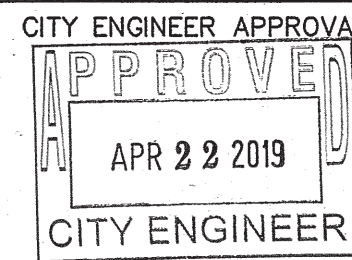
FLEXIBLE PAVEMENT SECTION

3 TYPICAL RESIDENTIAL STREET SECTION  
SCALE: N.T.S. C.O.A. STD. DWG. 2405A



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE:  
SUNSHINE WEST SUBDIVISION 2  
TYPICAL PAVING DETAILS

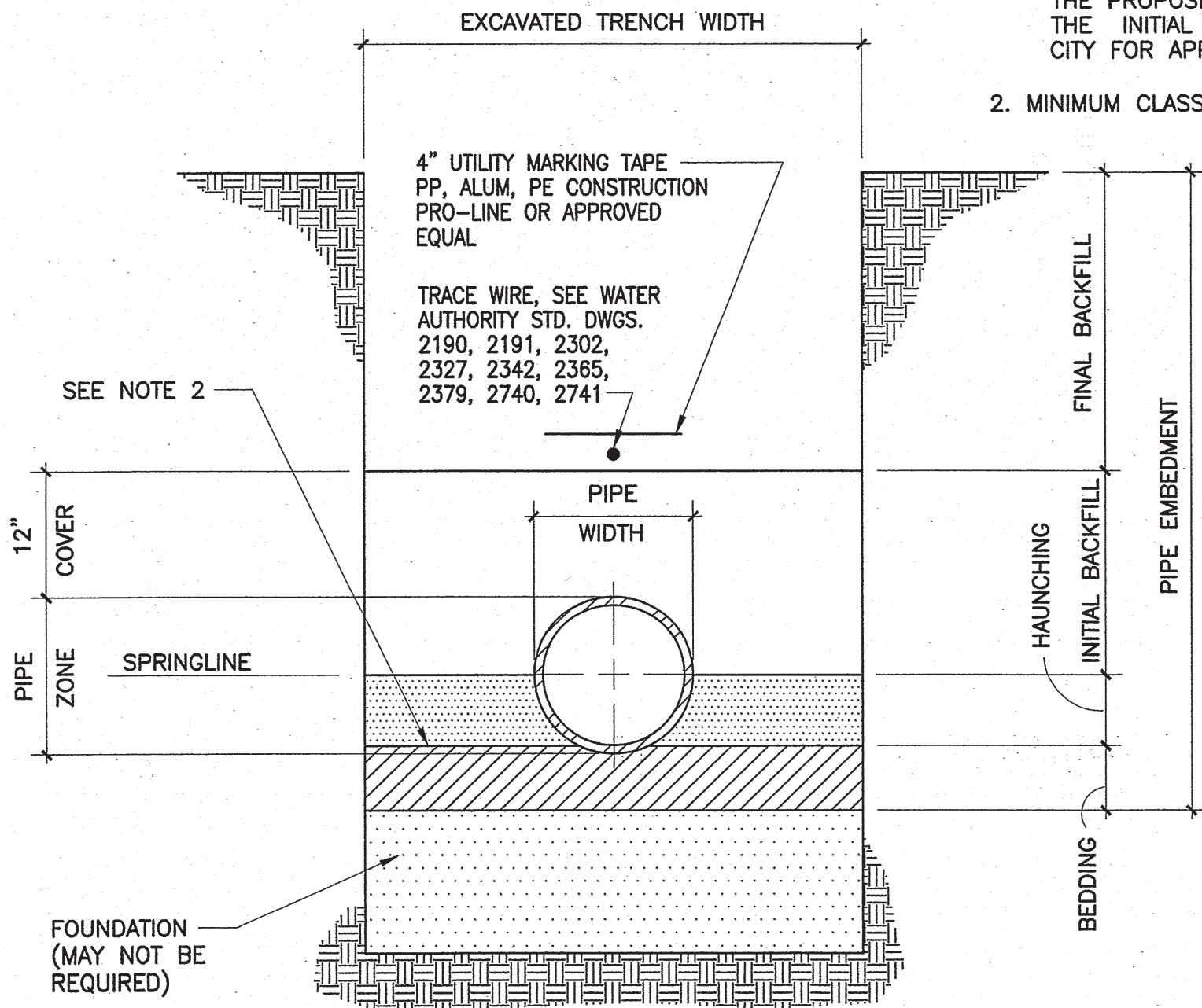


CITY PROJECT NO. N10-D008 ZONE MAP NO. 778580 SHEET 15 OF 25

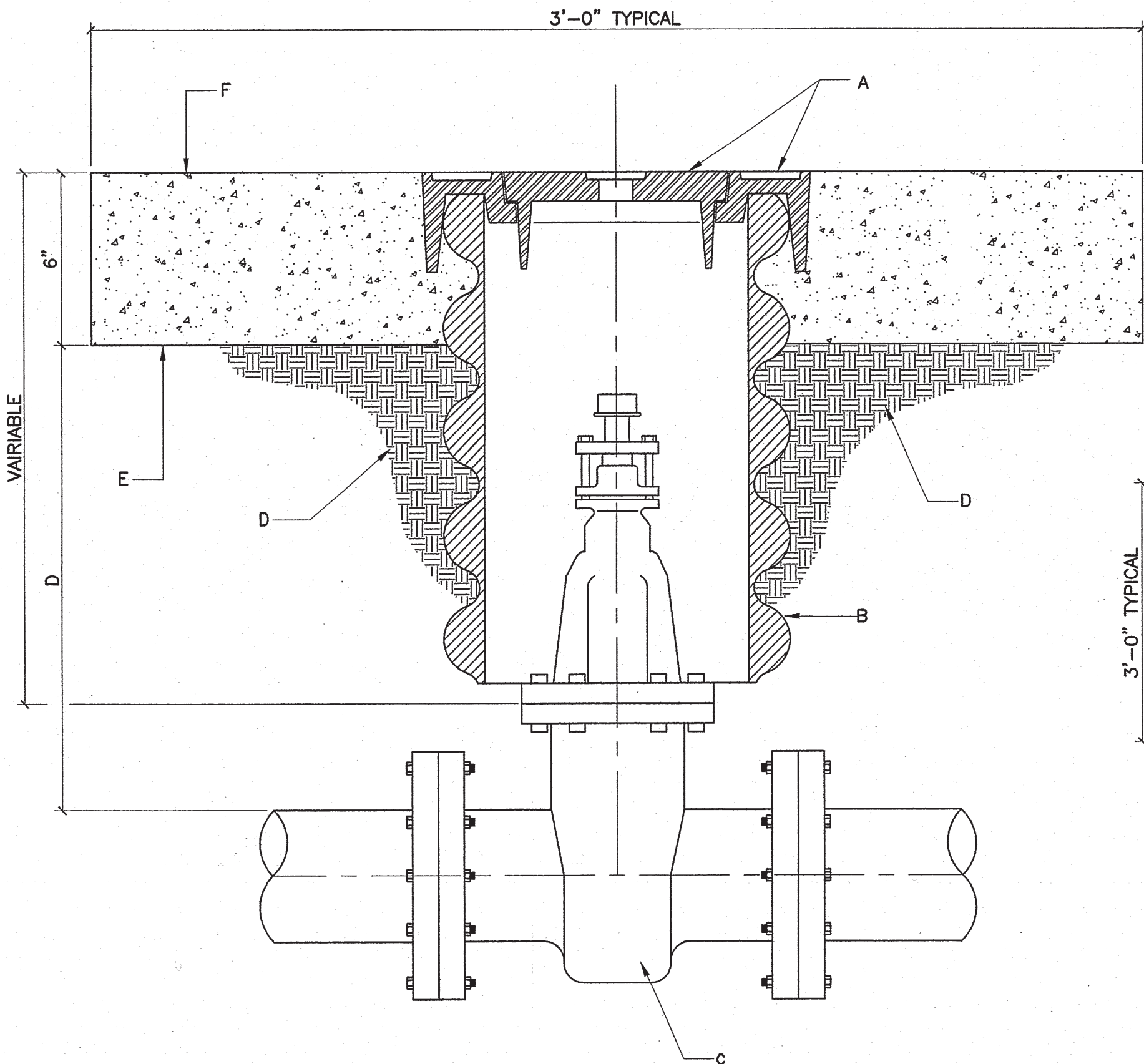


GENERAL NOTES

1. MECHANICAL TAMPERS SHALL NOT BE USED IN THE INITIAL BACKFILL REGION FOR FLEXIBLE PIPE. WHEN FLEXIBLE PIPE IS USED, CONTRACTOR SHALL, PRIOR TO THE START OF CONSTRUCTION, PROVIDE THE PROPOSED COMPACTION METHOD IN THE INITIAL BACKFILL REGION TO THE CITY FOR APPROVAL.
2. MINIMUM CLASS "C" BEDDING WILL BE USED.



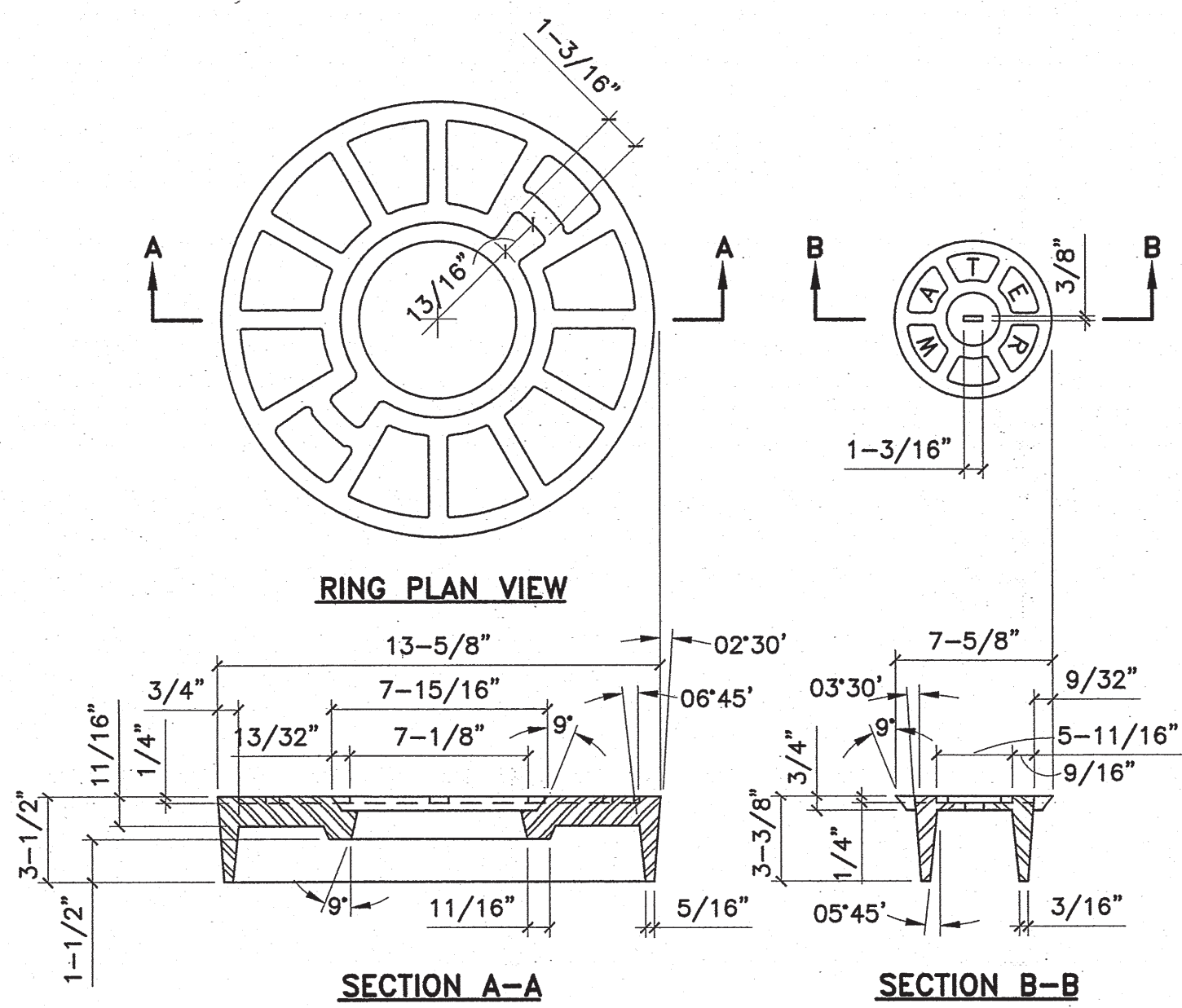
1 TRENCH CROSS SECTION SHOWING TERMINOLOGY  
17 SCALE: N.T.S. C.O.A. STD. DWG. 2315



GENERAL NOTES:

- A VALVE BOX RING AND COVER. SEE DWG. 2328.
- B 10" DIAMETER RIBBED OR CORRUGATED PVC OR PE PIPE WITH SMOOTH INTERIOR.
- C NEW OR EXISTING VALVE.
- D COMPACTED BACKFILL. SOIL OR BASE COURSE MATERIAL (95% COMPACTION). SEE SECTION 701.
- E 3'-0"x3'-0" OCTAGONAL CONCRETE COLLAR. COLLAR IS TO BE TAPERED IN UNPAVED ROADWAYS AND FLUSH IN PAVED ROADWAY. CONCRETE STRENGTH SHALL BE 3000 PSI PER SECTION 101 OF THE STANDARD SPECIFICATIONS, LATEST EDITION.
- F TOP OF CONCRETE COLLAR SHALL BE STAMPED WITH LINE SIZE AND DIRECTION. MINIMUM LETTER SIZE SHALL BE 3" IN HEIGHT.

2 VALVE BOX TYPE "A"  
17 SCALE: N.T.S. C.O.A. STD. DWG. 2326



3 VALVE BOX AND RING COVER  
17 SCALE: N.T.S. C.O.A. STD. DWG. 2328

NOTE:

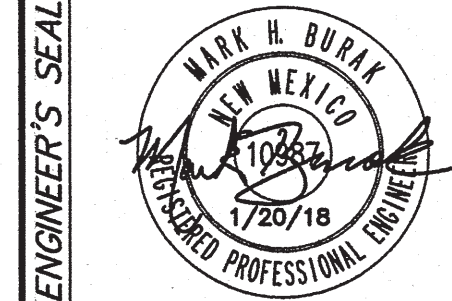
C.O.A. WORK ORDER #778580 INCLUDES ONLY WATER AND SANITARY SEWER IMPROVEMENTS SHOWN HEREON. ALL OTHER IMPROVEMENTS SHOWN ON THIS PLAN ARE EXCLUDED FROM THE WORK ORDER.

Mark H. Burak, P.E.  
1612 Sagebrush Trail SE  
Albuquerque, New Mexico, 87123  
(505) 296-0461

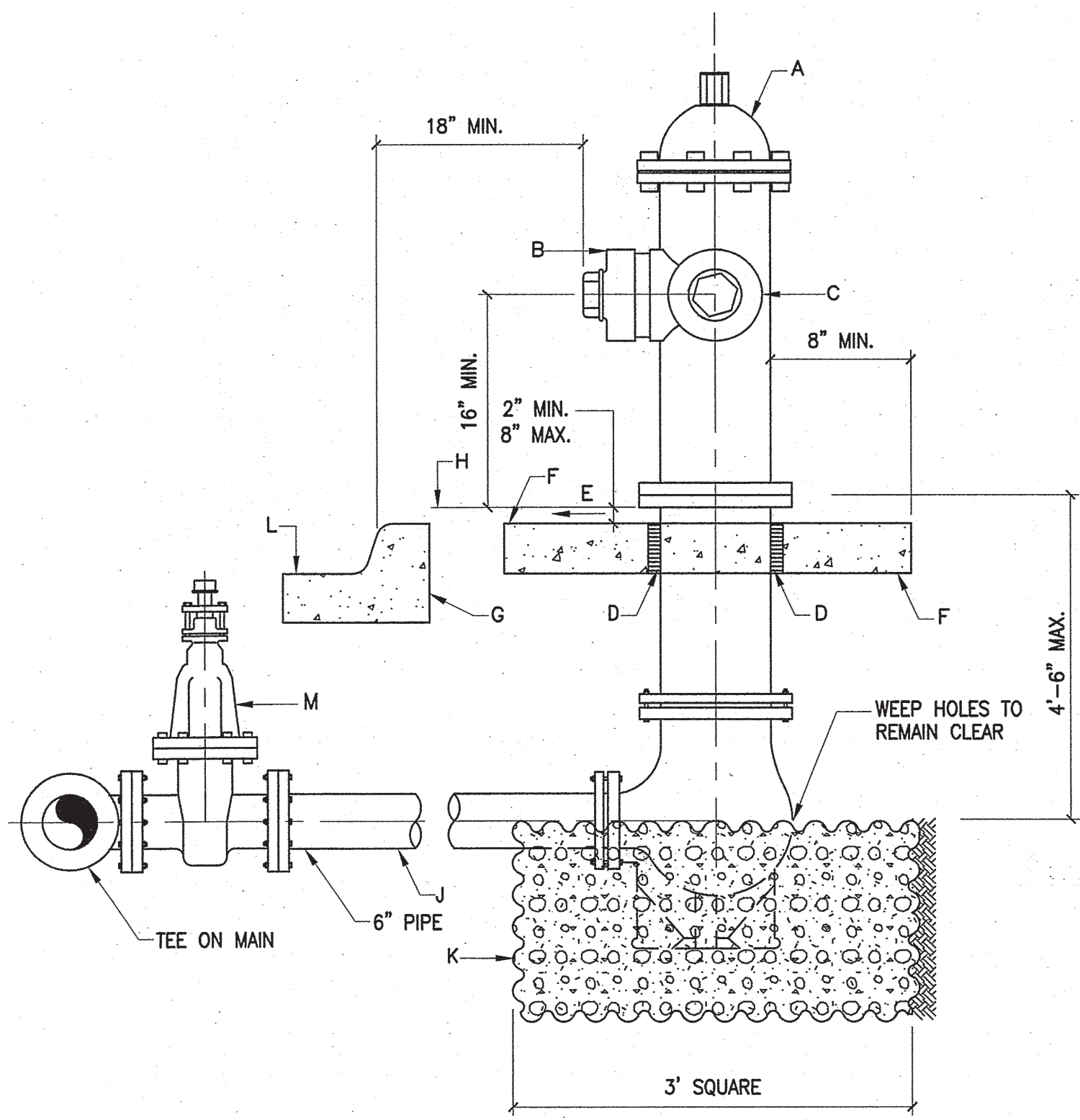
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

SUNSHINE WEST SUBDIVISION 2  
TYPICAL WATER DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED FEB 05 2018 DESIGN REVIEW COMMITTEE	APPROVED APR 22 2019 CITY ENGINEER		
CITY PROJECT NO. N10-D008	ZONE MAP NO. 778580 N-10	SHEET 17	OF 25

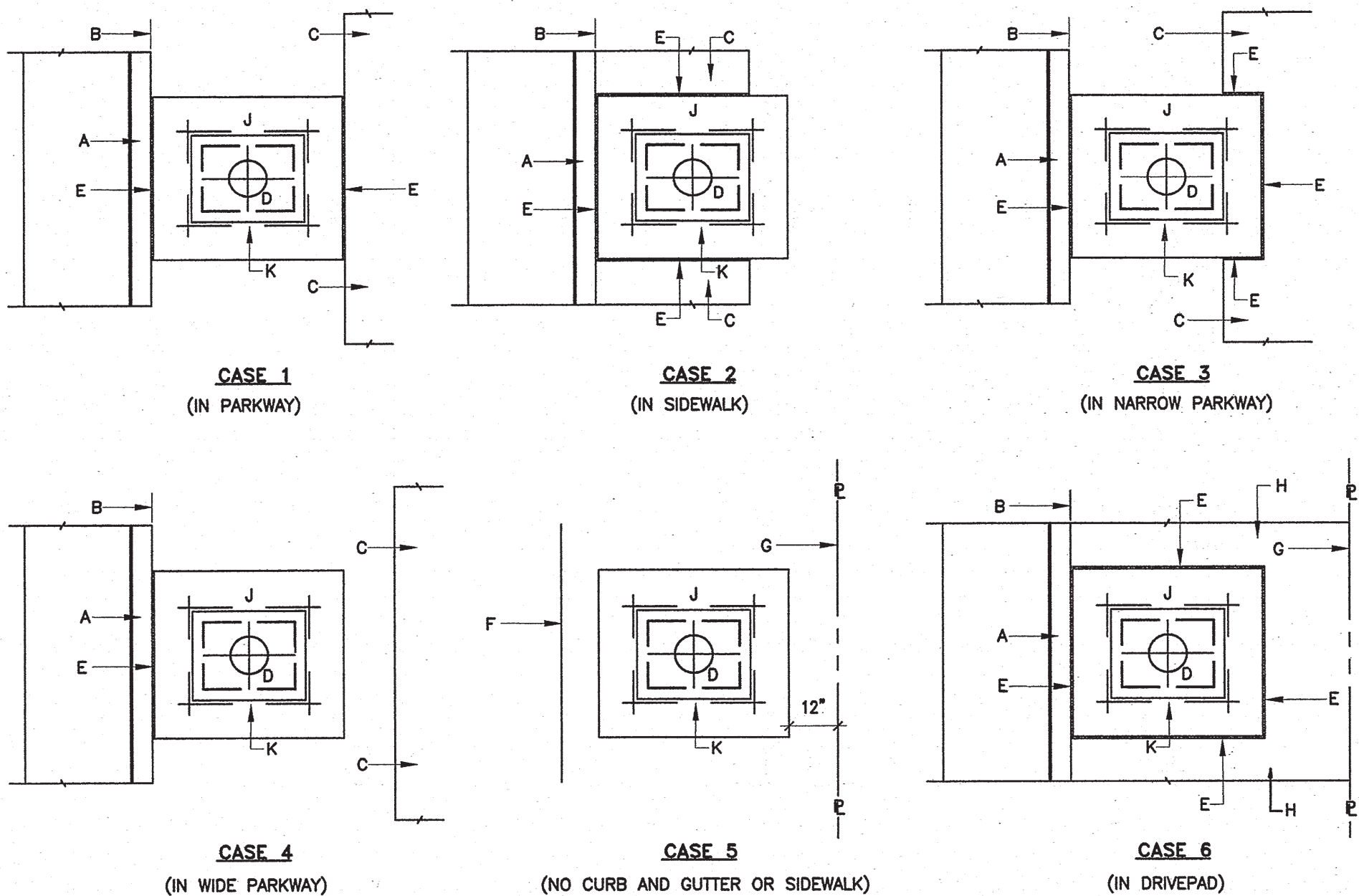






- CONSTRUCTION NOTES:**
- A. FIRE HYDRANT PER SPECIFICATIONS.
  - B. PUMPER NOZZLE 4 1/2".
  - C. HOSE NOZZLE 2 1/2".
  - D. 1/2" EXPANSION JOINT MATERIAL.
  - E. MATCH SIDEWALK SLOPE OR SLOPE 1/4" PER FOOT.
  - F. 3'x3'x6" CONCRETE SQUARE PAD, TO BE CONSTRUCTED AROUND FIRE HYDRANT'S CENTER LINE WHEN NOT LOCATED WITHIN SIDEWALK OR CONCRETE AREA. CONCRETE PER SEC. 101 EXTERIOR CONCRETE, f'c=3500 psi @ 28 DAYS.
  - G. BACK OF CURB.
  - H. CONTROLLED ELEVATION LINE, LEVEL IN ALL DIRECTIONS.
  - J. USE OF RESTRAINED JOINTS IS MANDATORY. ALL FIRE HYDRANT LEG PIPING AND FITTINGS INCLUDING TEE ON MAIN SHALL BE RESTRAINED JOINT.
  - K. GRAVEL DRAIN POCKET, COVER TOP SURFACE WITH TAR PAPER. ASTM C33, NO. 57 GRAVEL.
  - L. STANDARD CURB AND GUTTER. FOR OTHER TYPES OF CURB AND GUTTER, OR WHERE NO CURB AND GUTTER EXIST, THE PLACEMENT OF FIRE HYDRANT REQUIRES SPECIAL DESIGN.
  - M. IF VALVE IS REQUIRED, VALVE WILL BE CONNECTED TO TEE AT MAIN PER C.O.A. STANDARDS.

- GENERAL NOTES:**
- 1. NO OBSTRUCTIONS WILL BE PERMITTED WITHIN 3'-0" OF FIRE HYDRANT.
  - 2. HYDRANT LEG SHALL BE VALVED FROM MAINS 10" DIAMETER AND LARGER AND IN ARTERIAL STREETS LOCATED IN COMMERCIAL AREAS.
  - 3. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING TOP FLANGE OF FIRE HYDRANT TO THE CONTROLLED ELEVATION LINE.
  - 4. FOR FIRE HYDRANT LOCATIONS, SEE DWG. 2347.
  - 5. WHEN NEW OR EXISTING SIDEWALK ABUTS CURB, RECONSTRUCT SIDEWALK PER DWG. 2430, 2431.
  - 6. PUMPER NOZZLE TO BE SET FACING THE TRAVELED WAY, UNLESS OTHERWISE NOTED ON PLANS.
  - 7. HYDRANTS INSTALLED IN SIDEWALK AREAS SHALL MAINTAIN A MIN. 36-INCH CLEAR PEDESTRIAN PATH PER ADA STANDARD.



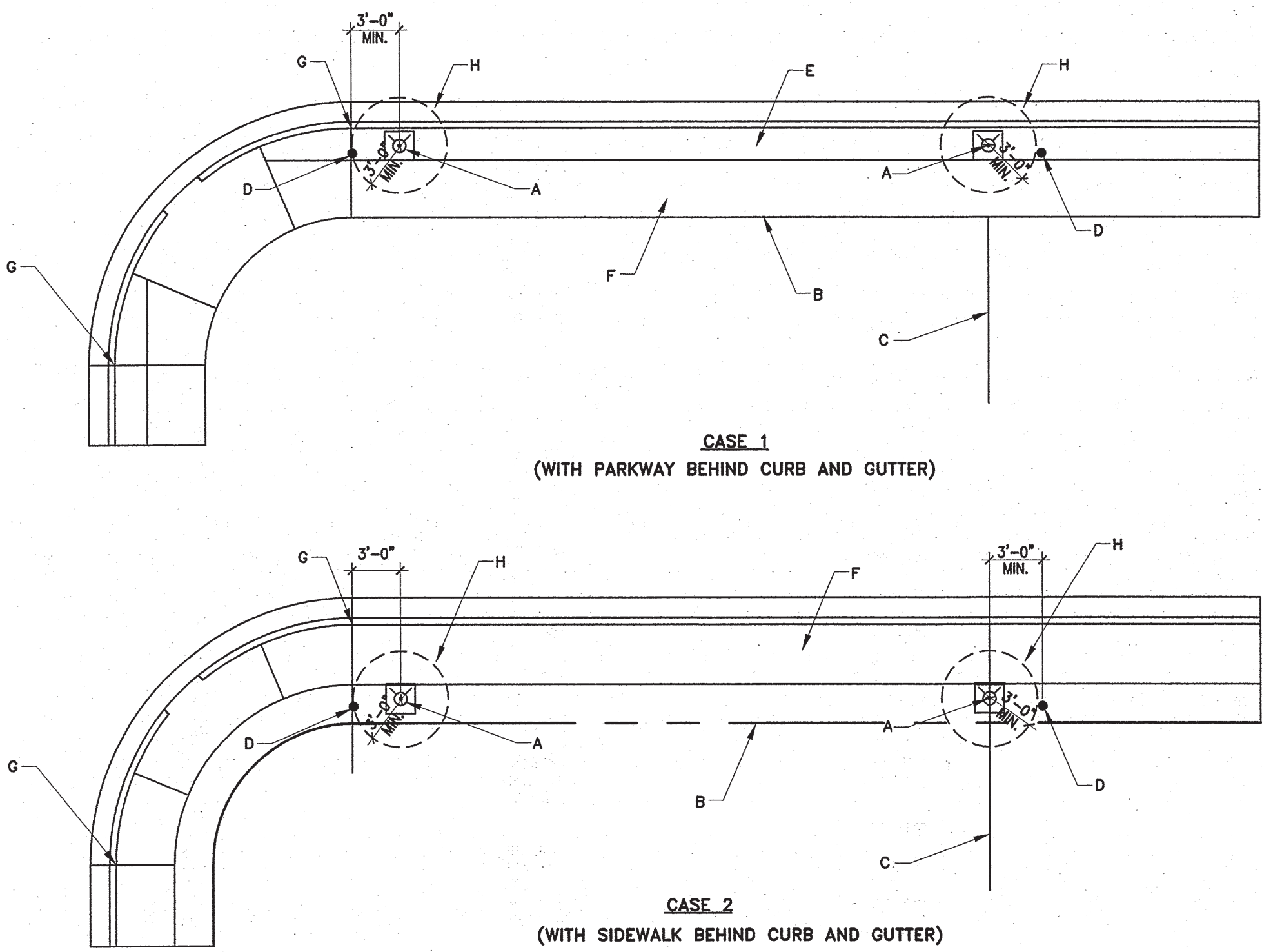
- GENERAL NOTES:**
- 1 FOR CONSTRUCTION AND DIMENSIONS OF WATER METER BOX AND CONCRETE PAD, SEE DWG. 2362, 2363, 2368 & 2369.
  - 2 BECAUSE OF LIMITED SPACE, METER BOXES MAY BE ROTATED 90°. CONNECTIONS TO BE MADE PER WATER SYSTEMS DIVISION APPROVAL.
  - 3 DOUBLE METER BOXES SHALL BE CENTERED ON ADJOINING PROPERTY LINES.
- CONSTRUCTION NOTES:**
- A CURB.
  - B BACK OF CURB.
  - C SIDEWALK.
  - D METER BOX COVER, SEE DWGS. 2368 OR 2369.
  - E 1/2" EXPANSION JOINT.
  - F EDGE OF UNCURRED STREET OR GRADED STREET.
  - G PROPERTY LINE.
  - H DRIVEPAD.
  - J CONCRETE PAD SEE DWG. 2362
  - K #4 REBAR CONTINUOUS ALL AROUND METER BOX.

1 TYPICAL FIRE HYDRANT ASSEMBLY INSTALLATION  
SCALE: N.T.S.

C.O.A. STD. DWG. 2340

2 TYPICAL METER BOX INSTALLATIONS FOR 3/4" AND 1" METERS  
SCALE: N.T.S.

C.O.A. STD. DWG. 2361

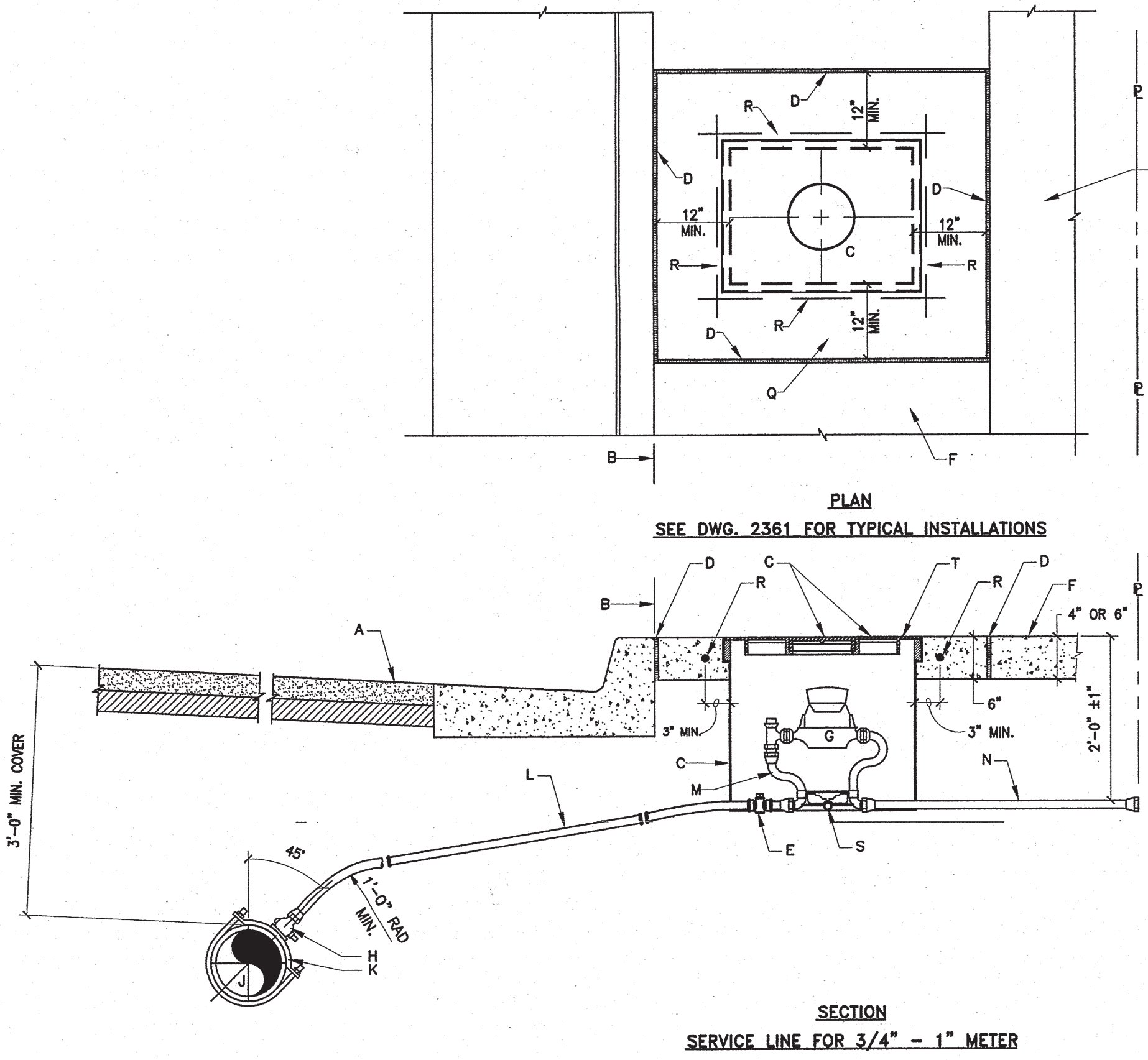


- GENERAL NOTES:**
- 1 FIRE HYDRANTS ARE NOT TO BE LOCATED WITHIN THE CURB RETURN AREA. FIRE HYDRANTS LOCATED IN THE MID BLOCK LENGTH SHALL BE CENTERED ON ADJOINING PROPERTY LINES.
  - 2 A MINIMUM CLEARANCE OF 3' SHALL BE PROVIDED BETWEEN FIRE HYDRANT AND ANY PERMANENT OBSTRUCTION (UTILITY POLE, LIGHT STANDARD, TRAFFIC SIGNAL, ETC.).
  - 3 FOR FIRE HYDRANT INSTALLATION DETAILS SEE DWG. 2340.

- CONSTRUCTION NOTES:**
- A FIRE HYDRANT
  - B RIGHT-OF-WAY OR EASEMENT LINE
  - C PROPERTY LINE
  - D PERMANENT OBSTRUCTION
  - E PARKWAY
  - F SIDEWALK
  - G PC OR PT OF CURB RETURN
  - H MAINTAIN A MINIMUM CLEARANCE OF 3' RADIUS FROM CENTER OF HYDRANT TO ANY AND ALL OBSTRUCTIONS.

3 TYPICAL FIRE HYDRANT LOCATION  
SCALE: N.T.S.

C.O.A. STD. DWG. 2347



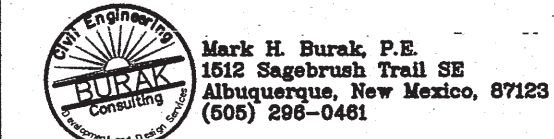
- GENERAL NOTES:**
- 1 THE METER SHALL BE SET UTILIZING A COPPER-SETTER. COPPER-SETTER HEIGHT 10" FOR 1" METER. 7" FOR 3/4" METER.
  - 2 THE VALVE AND METER REGISTER BOX SHALL BE LOCATED UNDER THE LID OPENING. WHERE TWO METERS ARE TO BE INSTALLED IN A SINGLE METER BOX, THE METER REGISTERS SHALL BE WITHIN READING RANGE OF THE LID OPENING.
  - 3 METER BOX LOCATION TO CONFORM TO DWG. 2361.
  - 4 WHEN CONTRACTOR DOES NOT INSTALL METER, CONTRACTOR SHALL PROVIDE REMOVABLE PLUGS FOR END OF COPPER-SETTER.
  - 5 EXISTING CONCRETE TO BE SAWCUT.
- CONSTRUCTION NOTES:**
- A STREET SURFACE.
  - B BACK OF CURB.
  - C CAST IRON METER BOX, COVER AND LID. SEE DWG. 2368 OR 2369.
  - D 1/2" EXPANSION JOINT.
  - E CURB STOP, LOCATE INSIDE METER BOX.
  - F SIDEWALK OR DRIVEPAD.
  - G METER. TOP OF METER TO BE 12"-18" BELOW COVER.
  - H CORP STOP.
  - J MAIN WATER LINE.
  - K TAPPING SADDLE.
  - L COPPER SERVICE LINE.
  - M COPPER SETTER.
  - N TAILPIECE TO PROPERTY LINE WITH INSTA-TITE I.P.T. CAPPED FITTING.
  - Q CONCRETE PAD REQUIRED IN ALL AREAS.
  - R #4 REBAR CONTINUOUS ALL AROUND METER BOX.
  - S STABILIZER BAR. 12" LONG X 1/2" DIAMETER GALVANIZED STEEL PIPE.
  - T METER BOX LID SHALL BE FLUSH WITH SURROUNDING SIDEWALK.

4 METERED SERVICE LINE INSTALLATION FOR 3/4" AND 1" METERS  
SCALE: N.T.S.

C.O.A. STD. DWG. 2362

**NOTE:**

C.O.A. WORK ORDER #778580 INCLUDES ONLY WATER AND SANITARY SEWER IMPROVEMENTS SHOWN HEREON. ALL OTHER IMPROVEMENTS SHOWN ON THIS PLAN ARE EXCLUDED FROM THE WORK ORDER.

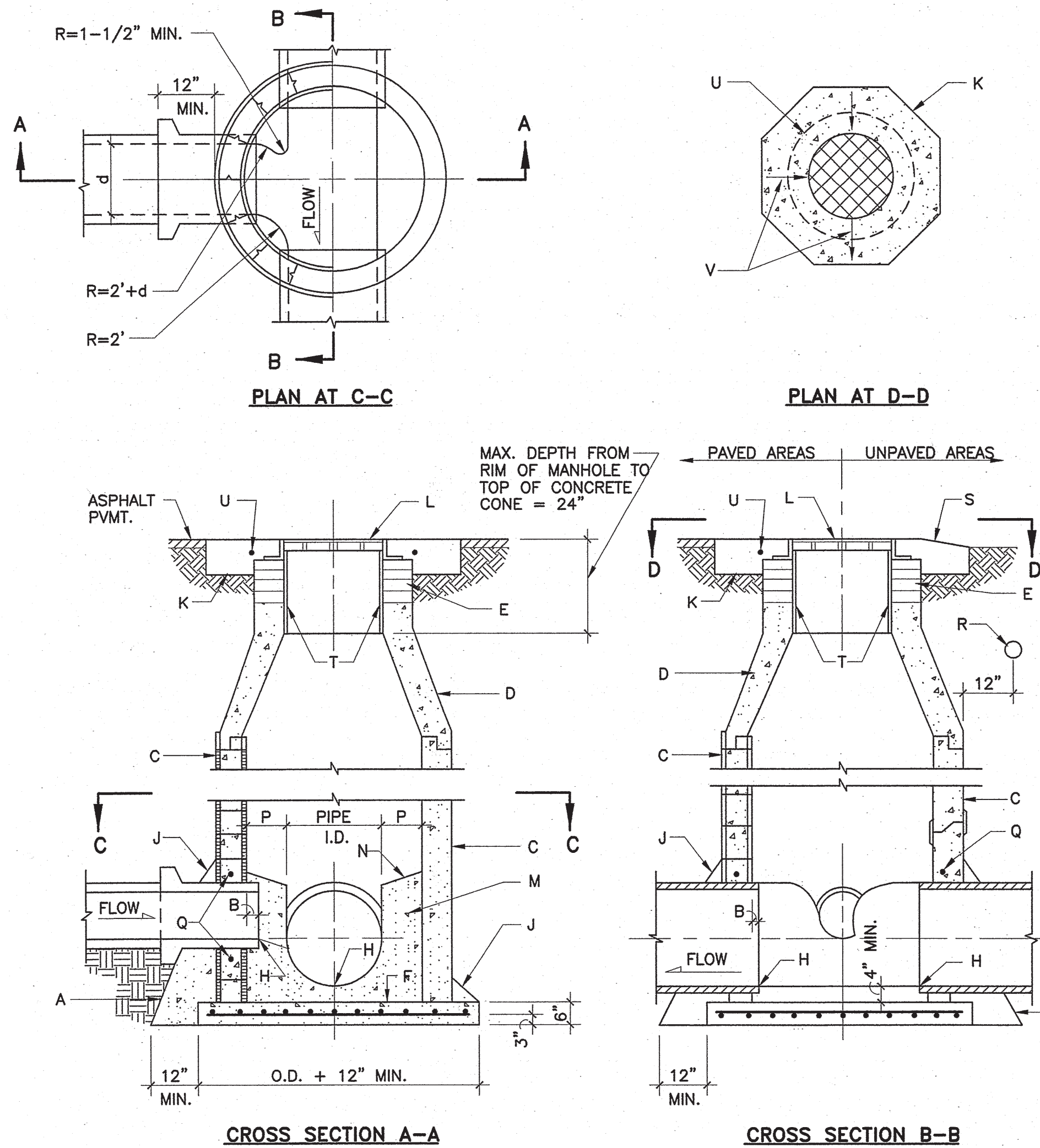


CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

SUNSHINE WEST SUBDIVISION 2  
TYPICAL WATER DETAILS

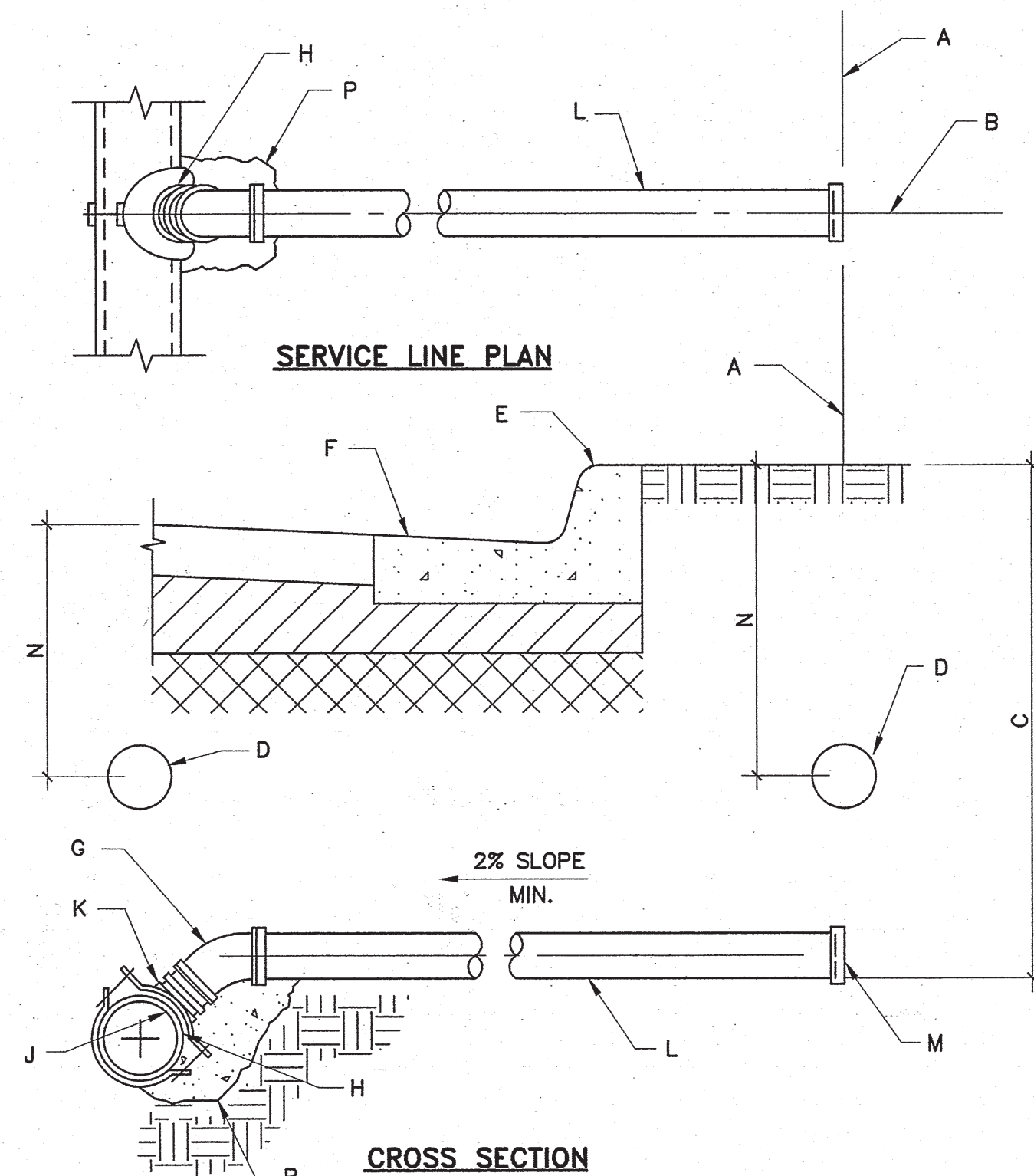
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CITY PROJECT NO.		ZONE MAP NO.		SHEET		OF			
N10-D008		778580		N-10		18		25	





1 TYPICAL MANHOLE TYPE "E"  
19 SCALE: N.T.S.

C.O.A. STD. DWG. 2102



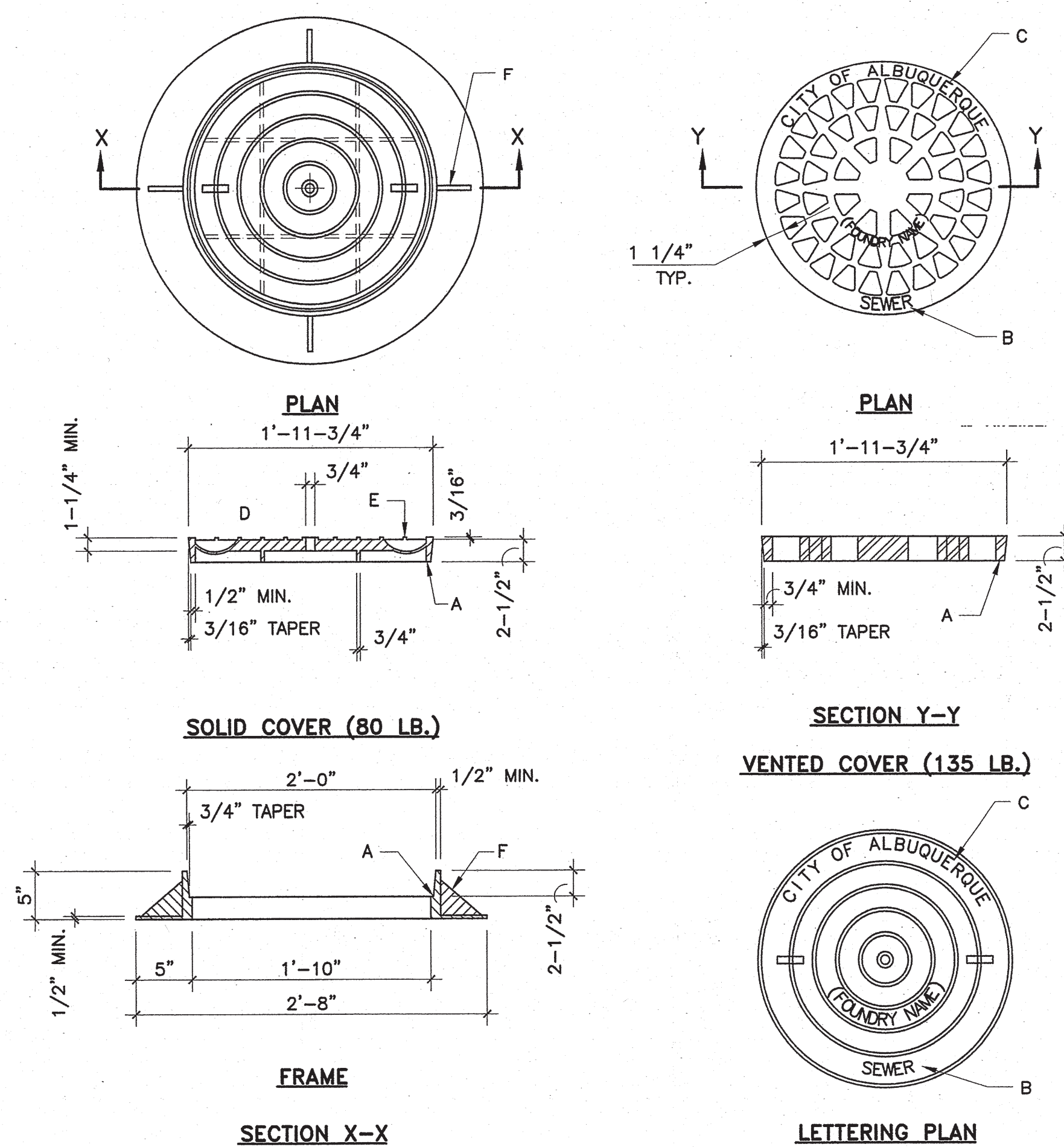
3 SEWER SERVICE LINE DETAILS  
19 SCALE: N.T.S.

C.O.A. STD. DWG. 2125

- CONTRACTOR HAS OPTION TO CONSTRUCT TYPE "C" MANHOLE IN LIEU OF TYPE "E" MANHOLE FOR DEPTHS > 6'.
- MANHOLES > 18" IN DEPTH SHALL BE CONSTRUCTED OF PRECAST CONCRETE SECTIONS ONLY.
- DESIGN APPLIES TO 4" TO 6" I.D. MANHOLES.
- COMPACT ALL BACKFILL AROUND M.H. TO 95% (ASTM).
- USE NON-SHRINK GROUT FOR JOINTS, FILLETS AND PIPE PENETRATIONS.
- APPLY WATERPROOFING COATING TO EXTERIOR OF MANHOLE IN AREAS WHERE GROUNDWATER IS PRESENT.
- AN INTERIOR COATING, WITH A WATER AUTHORITY APPROVED EPOXY RESIN-TYPE MATERIAL, SHALL BE APPLIED TO MANHOLES ON MAINS LARGER THAN 24" IN DIAMETER.
- POSITION MANHOLE OPENING OVER CENTER OF MANHOLE.

CONSTRUCTION NOTES:

- CONCRETE PIPE SUPPORTS SHALL EXTEND OUTSIDE OF M.H. TO BELL OF FIRST JOINT AND SHALL CRADLE PIPE TO SPRING LINE. NOT APPLICABLE FOR FLEXIBLE PIPE.
- PIPE PENETRATION INTO MANHOLE SHALL BE FLUSH TO 2" MAX., MEASURED AT SPRING LINE OF PIPE.
- MANHOLE MAY BE CONSTRUCTED OF CONCRETE BLOCK, POURED CONCRETE, OR PRECAST REIF. CONCRETE. IF PRECAST CONCRETE IS USED, USE MASTIC GASKETS AND APPLY NON-SHRINK GROUT TO EXTERIOR AND INTERIOR OF EXPANSION JOINTS. IF BLOCK IS USED, APPLY 1/2" THICK MORTAR COATING TO EXTERIOR AND INTERIOR OF MANHOLE.
- PRECAST REINFORCED CONCRETE CONCENTRIC CONE. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL.
- USE MAX. 4 COURSES GRADE MS BRICK ON UNPAVED STREET FOR FUTURE ADJUSTMENT OF MANHOLE FRAME TO PAVEMENT GRADE.
- CONCRETE BASE TO BE POURED IN PLACE USING NO. 4 BARS AT 6" O.C. EA. WAY FOR MANHOLE DEPTH OF 16'. NO. 4 BARS AT 12" O.C. EA. WAY FOR MANHOLE DEPTH OF 16'.
- INVERT ELEVATION OF STUB OR LATERAL AS SHOWN ON PLANS.
- 6" GROUT FILLET ON UPPER HALF OF PIPE AND AROUND BASE.
- OCTAGONAL CONCRETE PAD, SEE STD. DWG. 2461 FOR REFERENCE.
- MANHOLE FRAME AND COVER, SEE STD. DWG. 2109. INSTALL A 24" COVER FOR SEWER LINE > 24", AND A 32" COVER FOR SEWER LINE > 24" CONCRETE, SEE SPECIFICATION SECTION 101.
- SLOPE 1" PER FT. FROM PIPE CROWN.
- SHELF TO BE 9" WIDE MINIMUM.
- APPROVED WATERSTOP TO BE COMPATIBLE WITH TYPE OF PIPE.
- ELECTRONIC MARKER DEVICE (EMD). SEE STD. SPECIFICATION SECTION 170.
- CONCRETE COLLAR IN UNPAVED AREAS, SEE STD. DWG. 2461.
- APPLY 1/2" THICK MORTAR COATING TO INTERIOR OF OPENING.
- #4 REBAR PER STANDARD DRAWING 2461.
- TOP OF CONCRETE COLLAR SHALL BE STAMPED WITH LINE SIZE AND FLOW DIRECTION ARROWS. MINIMUM LETTER SIZE SHALL BE 3" IN HEIGHT.



2 TYPICAL MANHOLE FRAME AND COVER  
19 SCALE: N.T.S.

C.O.A. STD. DWG. 2110

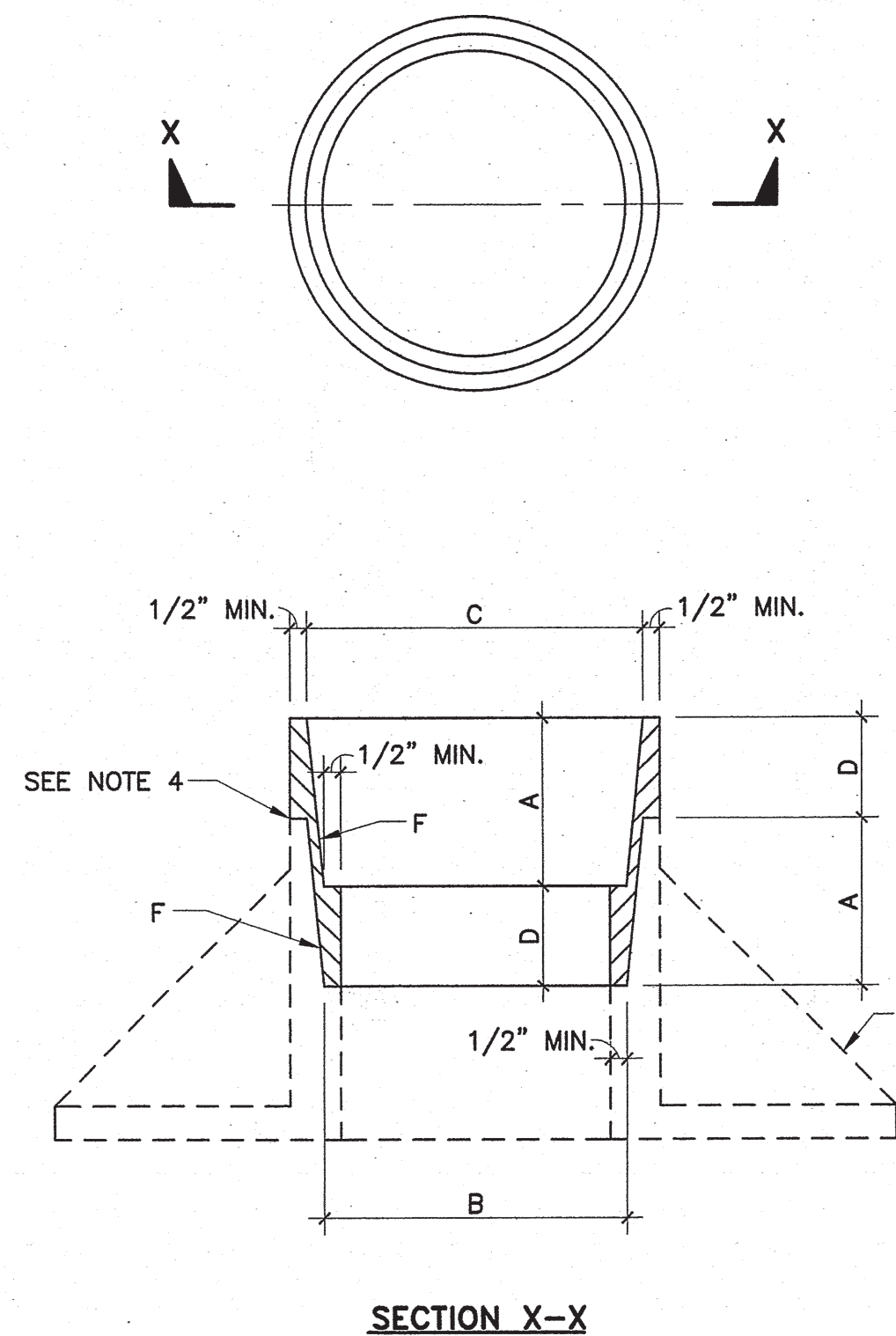
GENERAL NOTES:

- ADJUSTMENT RING MADE FROM STANDARD ALUMINUM CASING, ALLOY 319.
- I.D., O.D. AND DEPTH SHALL BE MACHINED TO REQUIRED DIMENSIONS.
- BECAUSE OF VARYING EXISTING FRAME AND COVER SIZES, ALL DIMENSIONS MUST BE FIELD VERIFIED PRIOR TO MACHINING.
- ALL EDGES OF RING SHALL BE LIGHTLY GROUND AFTER MACHINING TO REMOVE SHARPNESS AND BURRS.
- COAT ALL SURFACES OF RING WITH CLEAR ACRYLIC RESIN AFTER MACHINING.

CONSTRUCTION NOTES:

- DIMENSION = DEPTH OF EXISTING COVER EDGE.
- DIMENSION = RING O.D. = FRAME I.D. AT SEAT.
- DIMENSION = RING I.D. = FRAME O.D. AT RIM.
- DIMENSION = HEIGHT OF RING ADJUSTMENT.
- EXISTING FRAME AND COVER SHALL BE CLEANED AND REUSED.
- TAPER = 1/2 x (C-B)
- EXISTING FRAME.

A	B	C	D
2 3/8	23 1/2	23 3/8	
2 1/2	23 5/8	23 3/4	
2 3/8	23 5/8	23 3/4	
2	23 3/4	23 7/8	
2 1/4	23 3/4	23 7/8	
2 3/8	23 3/4	23 7/8	
2 1/2	23 3/4	23 7/8	
2 3/8	23 3/4	23 7/8	
2 3/4	23 3/4	23 7/8	
2 1/2	23 7/8	24	
1	23 7/8	25	1 1/4



4 SEWER MANHOLE COVER ADJUSTMENT RING  
19 SCALE: N.T.S.

VERTICAL SCALE EXAGGERATED FOR CLARITY

C.O.A. STD. DWG. 2111

GENERAL NOTES:

- STANDARD CAST IRON MANHOLE FRAME AND COVER. WEIGHTS: COVER = 180 LBS. FRAME = 145 LBS. TOTAL = 325 LBS (TOLERANCE = ±5%)
- REFERENCE SPEC. SECTION 130.

CONSTRUCTION NOTES:

- MACHINED OR GROUND BEARING SURFACES.
- "SEWER", "WATER" OR "STORM" CAST ON COVER TO IDENTIFY SANITARY SEWER, WATER OR STORM DRAINAGE SYSTEMS RESPECTIVELY.
- LETTER SIZE TO BE 1" MIN. IN HEIGHT, TYP.
- VENT HOLE REQUIRED.
- MONOLITHIC CAST IRON OR STEEL ROD INSERTS AT MANUFACTURER'S OPTION, IF INSERT IS PROVIDED, IT MUST HAVE 3/16" MIN. COVER AND 3/4" END EMBEDMENT IN CASTING.
- GUSSETS OPTIONAL IF REQUIRED BY MANUFACTURER.

NOTE:

C.O.A. WORK ORDER #778580 INCLUDES ONLY WATER AND SANITARY SEWER IMPROVEMENTS SHOWN HEREON. ALL OTHER IMPROVEMENTS SHOWN ON THIS PLAN ARE EXCLUDED FROM THE WORK ORDER.

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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

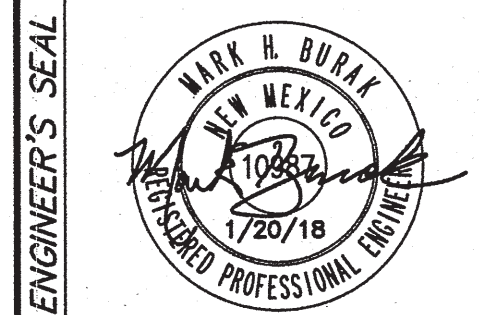
SUNSHINE WEST SUBDIVISION 2  
TYPICAL SEWER DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED FEB 05 2018	APPROVED APR 22 2019		
DESIGN REVIEW COMMITTEE	CITY ENGINEER		

CITY PROJECT NO. N10-D008	ZONE MAP NO. 778580	SHEET 19	OF 25
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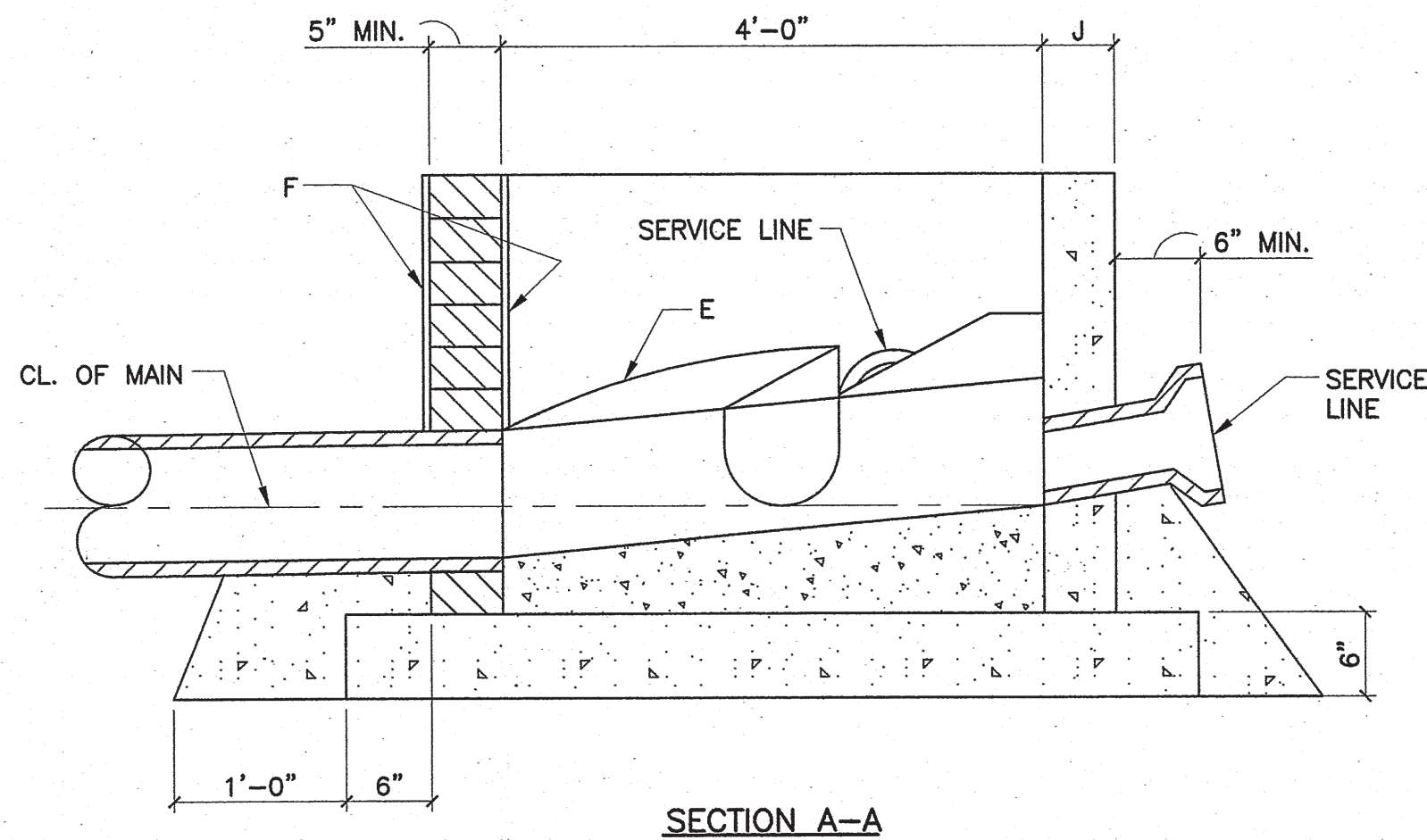
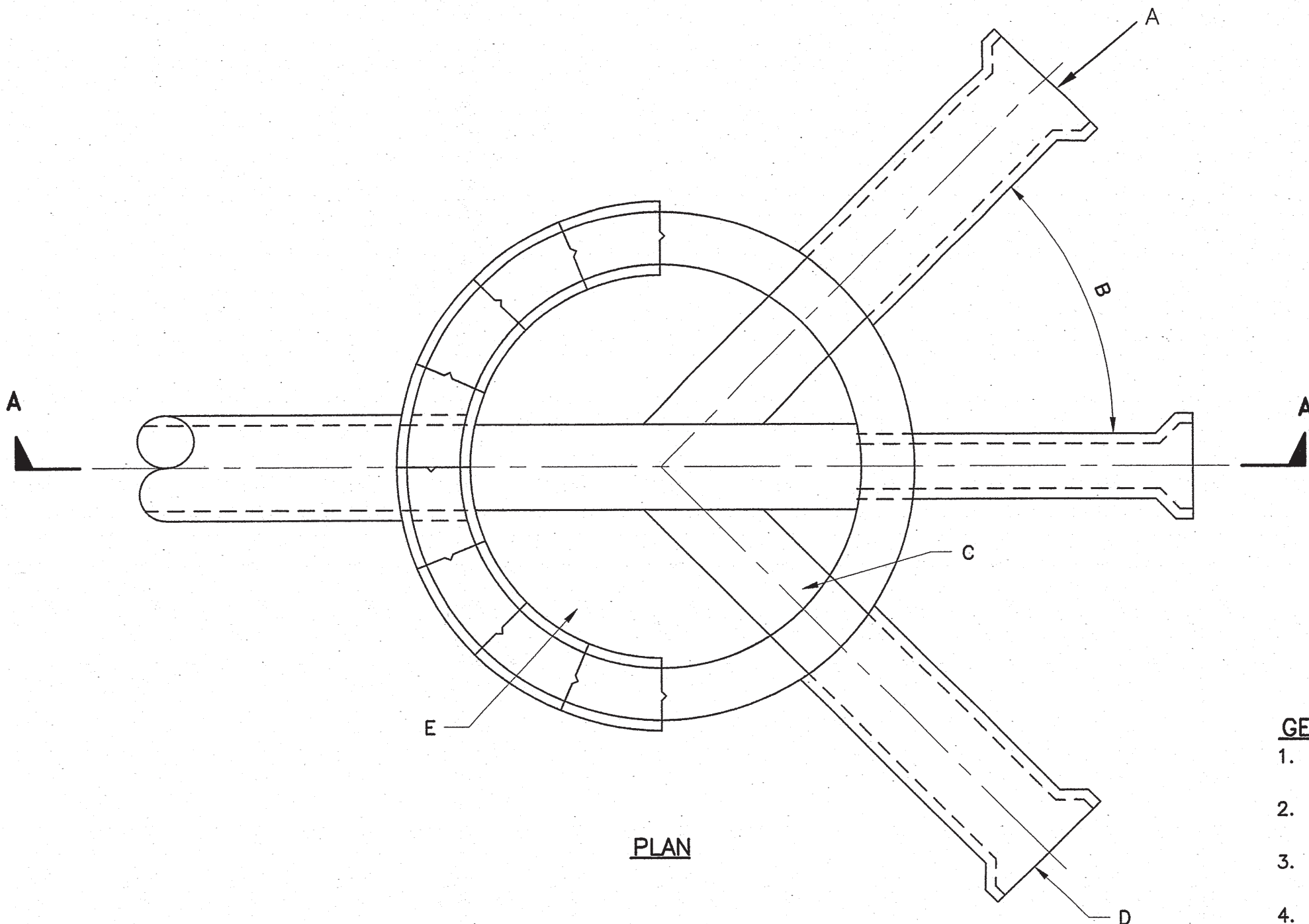
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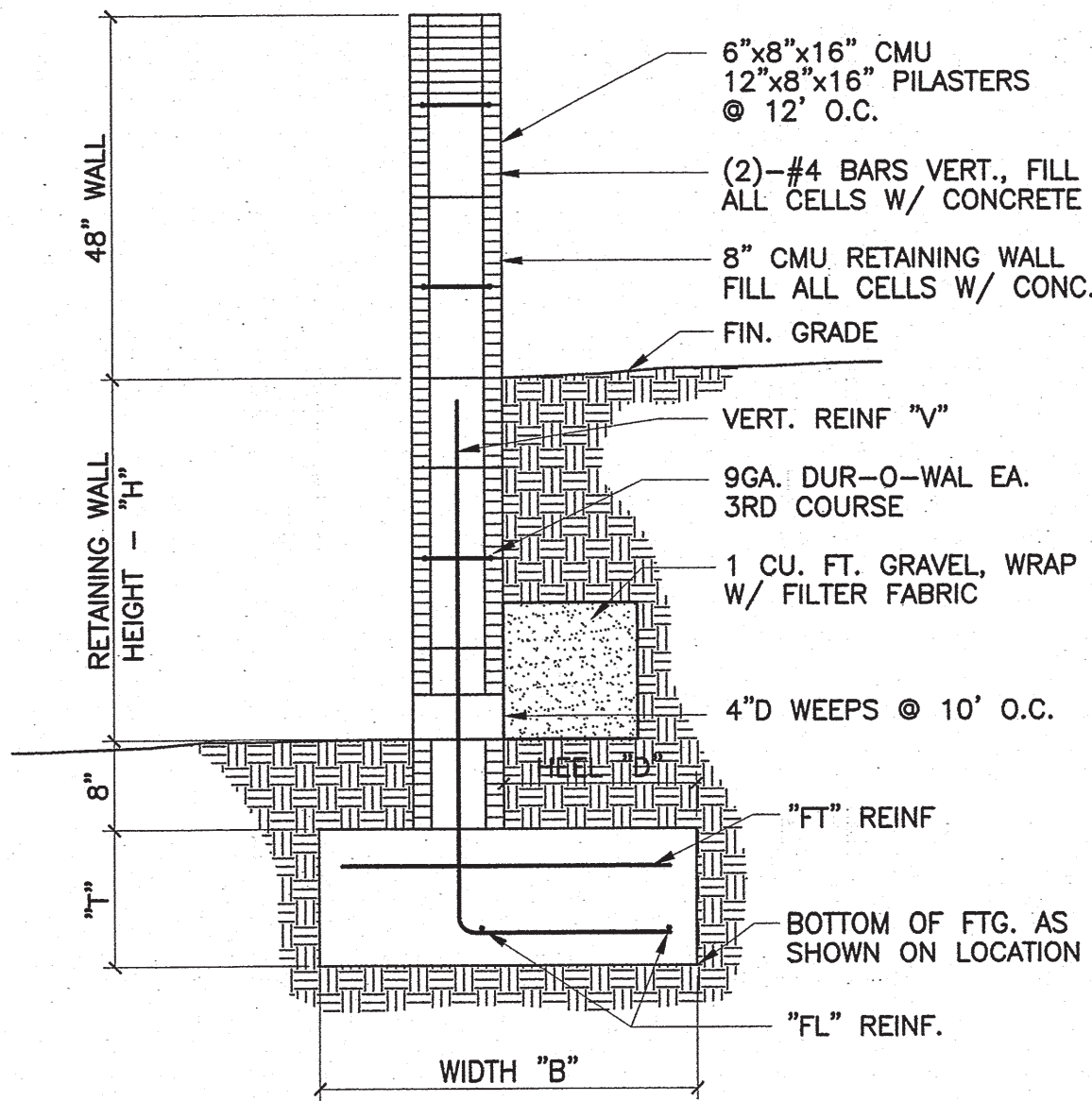
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DRAWN BY	DATE	DATE	DATE
CHECKED BY	DATE	DATE	DATE





1 SEWER SERVICE LINE CONNECTIONS AT MANHOLE  
20 SCALE: N.T.S.

C.O.A. STD. DWG. 2118



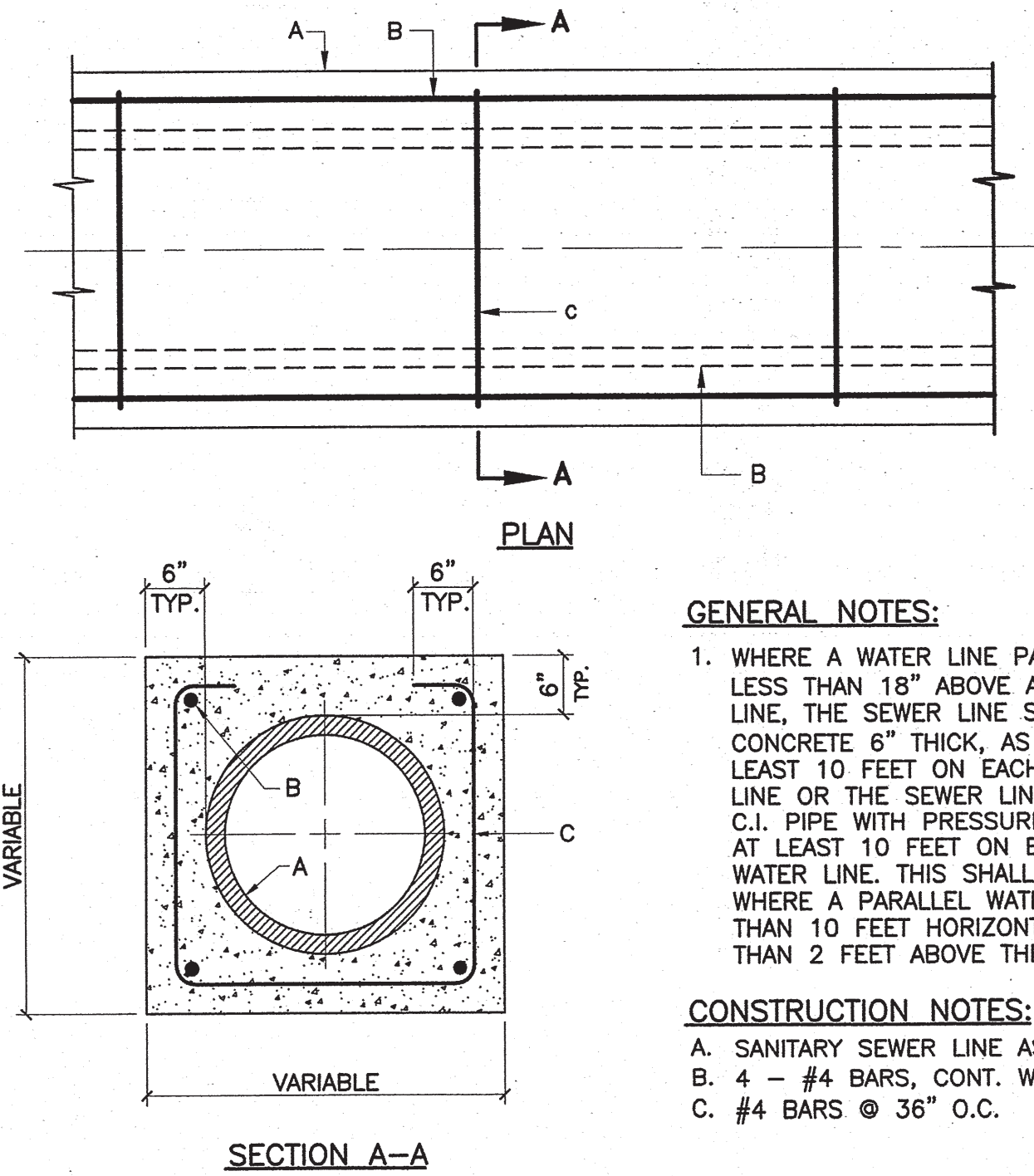
3 RETAINING AND GARDEN WALL  
20 SCALE: N.T.S.

WALL HT. "H"	MIN. BLOCK	FTG. WIDTH "B"	HEEL "D"	FTG. THK. "T"	VERT. REINF. "V"	TRANS. REINF. "FT"	CONT. REINF. "FL"
1'-4"	6"	1'-4"	8"	8"	#3@24" O.C.	-	(2)-#3 CONT
2'-0"	6"	1'-10"	10"	8"	#3@24" O.C.	-	(2)-#3 CONT
2'-8"	6"	2'-4"	1'-2"	8"	#4@24" O.C.	-	(2)-#4 CONT
3'-4"	6"	2'-8"	1'-4"	8"	#4@24" O.C.	#3@24" O.C.	(2)-#4 CONT
4'-0"	6"	3'-0"	1'-7"	8"	#4@16" O.C.	#3@16" O.C.	(3)-#4 CONT
4'-8"	6"	3'-4"	1'-9"	10"	#4@16" O.C.	#4@16" O.C.	(3)-#4 CONT
5'-4"	6"	3'-8"	2'-0"	10"	#4@16" O.C.	#4@16" O.C.	(3)-#4 CONT

- NOTES:**
- NO SOILS TESTS WERE PERFORMED.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR SITE PREPARATION INCLUDING EXCAVATION COMPACTION BACKFILL.
  - REINFORCING BARS SHALL HAVE STANDARD DEFORMATIONS AND A YIELD STRENGTH OF 40,000 PSI
  - CONCRETE STRENGTH (f'c) 2500 PSI @ 30 DAYS.
  - ALTERNATE VERTICAL REINFORCING BARS MAY BE TERMINATED AT MID-HEIGHT OF RETAINER AS MEASURED FROM LOWER FINISH GRADE.

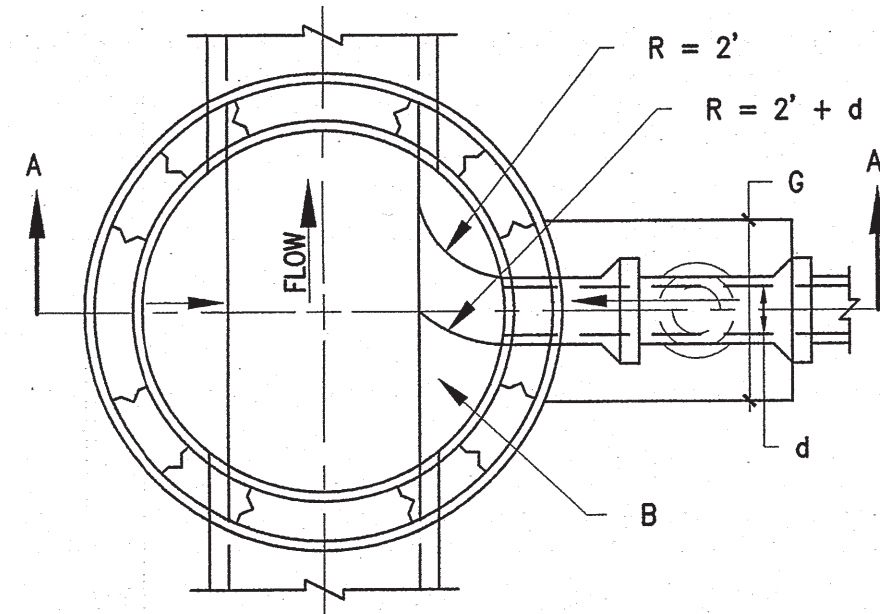
- GENERAL NOTES:**
- ALL CONCRETE SHELF SLOPES TO BE ONE INCH PER FOOT.
  - 1/4" PER FOOT MIN. SLOPE FOR 4" OR 6" SERVICE LINE.
  - NEW SERVICE CONNECTIONS TO EXISTING MANHOLES MUST BE CORE DRILLED.
  - 8" OR LARGER SERVICE CONNECTIONS MUST BE MADE TO A MANHOLE.

- CONSTRUCTION NOTES:**
- CAST IRON SERVICE STUB.
  - VARIABLE WITH MAX. ANGLE OF 90°.
  - FORM INVERT IN SHELF.
  - BELL END.
  - CONCRETE, SEE SECTION 101.
  - MANHOLE MAY BE CONSTRUCTED OF CONCRETE BLOCK, POURED CONCRETE, OR PRECAST REINFORCED CONCRETE IF PRECAST CONCRETE IS USED, USE MASTIC GASKETS AND APPLY NON-SHRINK GROUT TO EXTERIOR AND INTERIOR OF EXPANSION JOINTS. IF BLOCK IS USED, APPLY 1/2" THICK MORTAR COATING TO EXTERIOR AND INTERIOR OF MANHOLE.
  - INVERT ELEVATIONS OF SERVICE LINES SHALL BE THE SAME AS THE SPRING LINE ELEVATION OF THE SEWER MAIN.
  - MIN. 5" BLOCK FOR 4' I.D. M.H. 8" BLOCK OR DOUBLEWALL OF (2) 5" BLOCKS FOR 6' OR 8' DIAMETER MANHOLES.
  - PRECAST WALL THICKNESS:  
4' I.D. M.H. - 5" MIN.  
6' I.D. M.H. - 7" MIN.  
8' I.D. M.H. - 9" MIN.

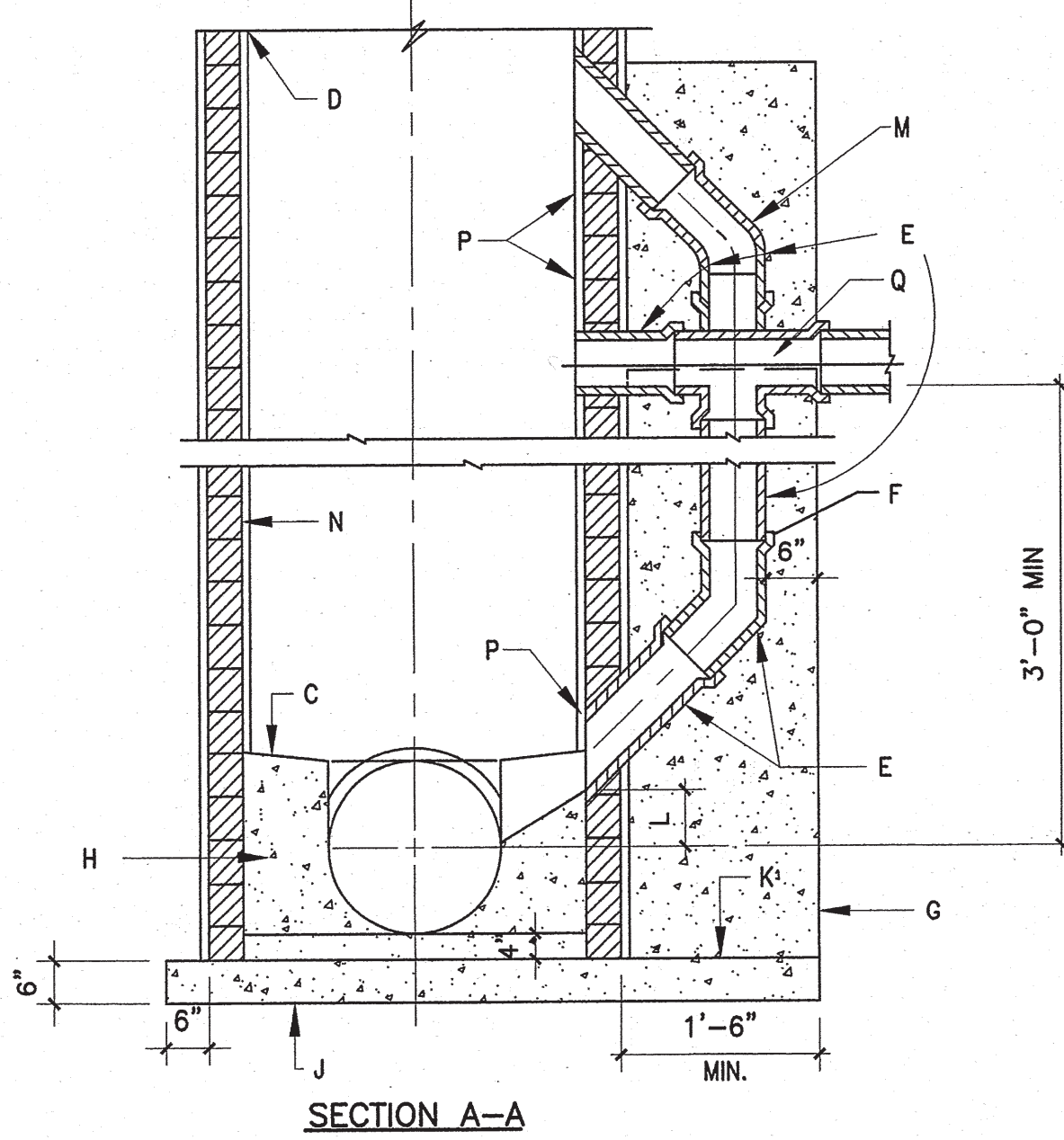


2 SEWER ENCASEMENT DETAIL  
20 SCALE: N.T.S.

C.O.A. STD. DWG. 2140



FLOOR PLAN



4 TYPICAL DROP MANHOLE DETAIL  
20 SCALE: N.T.S.

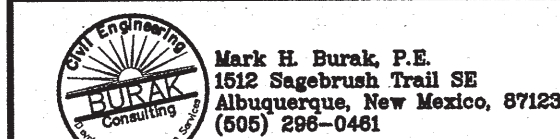
C.O.A. STD. DWG. 2116

- GENERAL NOTES:**
- WHERE A WATER LINE PASSES BENEATH OR LESS THAN 18" ABOVE AN EXISTING SEWER LINE, THE SEWER LINE SHALL BE ENCASED IN CONCRETE 6" THICK, AS DETAILED, FOR AT LEAST 10 FEET ON EACH SIDE OF THE WATER LINE OR THE SEWER LINE SHALL BE D.I. OR C.I. PIPE WITH PRESSURE-TYPE JOINTS FOR AT LEAST 10 FEET ON EACH SIDE OF THE WATER LINE. THIS SHALL ALSO APPLY WHERE A PARALLEL WATER LINE IS LESS THAN 10 FEET HORIZONTALLY AND LESS THAN 2 FEET ABOVE THE SEWER LINE.
- CONSTRUCTION NOTES:**
- SANITARY SEWER LINE AS SHOWN ON PLANS.
  - 4 - #4 BARS, CONT. W/ 3" CLEARANCE.
  - #4 BARS @ 36" O.C.

- CONSTRUCTION NOTES:**
- VERTICAL DROP.
  - FORM THE INVERT IN SHELF.
  - SLOPE, 1" PER FT.
  - MANHOLE TYPE FOR UPPER PORTION WILL BE SPECIFIED ON DESIGN PROFILE.
  - USE D.I. OR P.V.C. (SDR 35) PIPE THROUGHOUT DROP.
  - USE BELL AND SPIGOT 45' SHORT OR LONG RADIUS BEND.
  - CONC. SUPPORT WIDTH EQUALS PIPE O.D. PLUS 6" MIN. EACH SIDE.
  - CONCRETE, SEE SECTION 101.
  - REINFORCED CONCRETE BASE. SEE CONSTRUCTION NOTE F, OF DWG. 2101, 2102.
  - FOR NEW DROP ON EXIST. MANHOLE CONSTRUCT 3 X 3 CONC. BASE BEFORE CONSTRUCTING DROP SUPPORT.
  - 4" ABOVE SPRING LINE OR AS SHOWN ON PLAN.
  - 8" MIN. DIAMETER, 2- 22 1/2' OR 1- 45' ELBOW.
  - INTERIOR OR DROP MANHOLE MUST BE COATED WITH APPROVED SEALER IN ACCORDANCE WITH SPEC. SECTION 920.4.
  - CORE DRILL FOR ALL WALL PENETRATIONS ON EXISTING MANHOLES.
  - CROSS OR TEE. A TEE MAY BE USED ONLY WHEN THE VERTICAL HIGH IS INSUFFICIENT FOR THE VERTICAL PIPING ABOVE THE SEWER LINE TO ENTER THE BARREL OF THE MANHOLE.

**NOTE:**

C.O.A. WORK ORDER #778580 INCLUDES ONLY WATER AND SANITARY SEWER IMPROVEMENTS SHOWN HEREON. ALL OTHER IMPROVEMENTS SHOWN ON THIS PLAN ARE EXCLUDED FROM THE WORK ORDER.



**CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT**

**SUNSHINE WEST SUBDIVISION 2  
TYPICAL SEWER DETAILS**

DESIGN REVIEW COMMITTEE	CITY ENGINEER-APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED FEB 05 2018 DESIGN REVIEW COMMITTEE	APPROVED APR 22 2019 CITY ENGINEER		

CITY PROJECT NO. **N10-D008** ZONE MAP NO. **N-10** SHEET **20** OF **25**



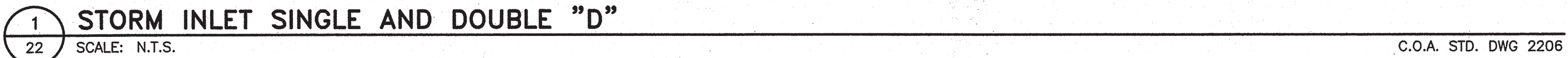
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CONTRACTOR	DATE
WORK STARTED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD LOCATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	










- CONSTRUCTION NOTES:**
- A. FRAME AND GRATE.
  - B. CENTER SUPPORT ASSEMBLY.
  - C. CUT ONE HORIZONTAL AND ONE VERTICAL BAR MAX. AT PIPE OPENING.
  - D. #4 BARS AT 6" O.C. EACH WAY.
  - E. USE STANDARD STEPS, SEE DWG. 2229.
  - F. CONCRETE FILL, SEE NOTE C DWG. 2201.
  - G. INVERT PER DESIGN.
  - H. INSTALL STEPS ON DOWNSTREAM FACE.

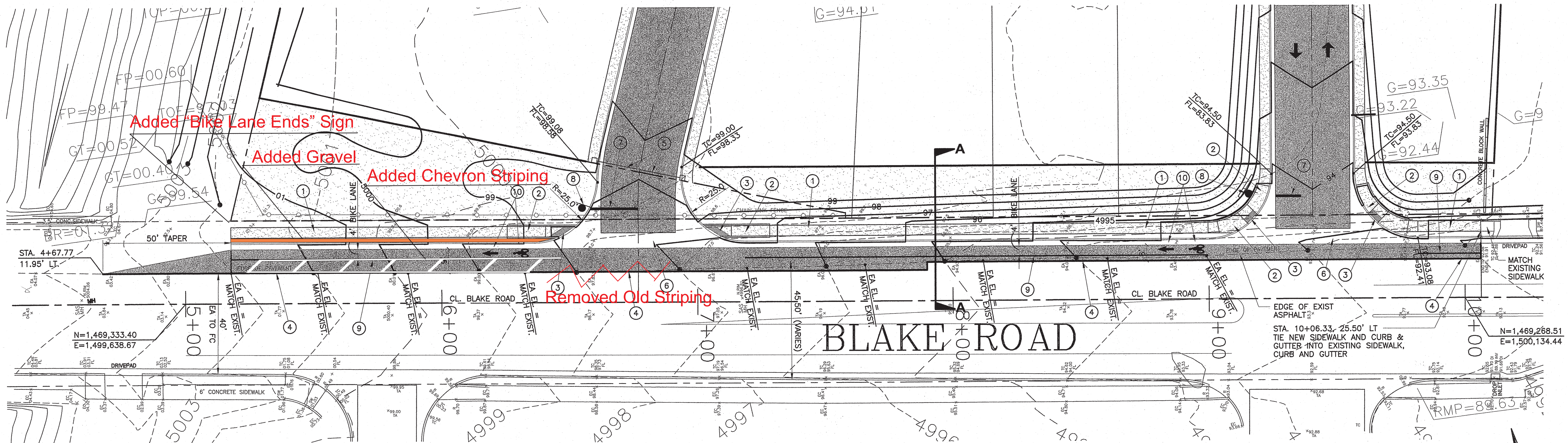


- CONSTRUCTION NOTES:**
- A. MATCH NEAREST CONSTRUCTION JOINT, INSTALL 1/2" EXPANSION JOINT.
  - B. EDGE OF SIDEWALK OR SETBACK (VARIABLE)
  - C. 3" RADIUS (TYPICAL)
  - D. 3/8" CHECKERED STEEL PLATE (PAINT PER NOTE 7 ABOVE)
  - E. FOR SECURING PLATE USE 1"x5" S.S. ROD ANCHOR, "RED HEAD MULTI-SET II SRM-38 ANCHOR" OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS AT MAX. 24" O.C., A MINIMUM OF 2 PER SIDE AND ONE WITHIN 6" OF EACH END.
  - F. CONSTRUCTION JOINT IS OPTIONAL. IF USED, SPACE DOWELS AT 18" O.C. MAX., 1-1/2" MINIMUM FROM FACE OF CONCRETE.
  - G. 3/8", 16x1-1/4" COUNTERSUNK, F.H., STAINLESS STEEL, MACHINE SCREW.
  - H. SLOPE 1/4" PER FOOT MIN.
  - J. DRAIN WIDTH PER PLAN (12" MIN., 24" MAX.)

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	Mark H. Burch, P.E. 1012 Sagebrush Trail SE Albuquerque, New Mexico, 87123 (505) 293-0461												
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT													
TITLE:													
SUNSHINE WEST SUBDIVISION 2 TYPICAL DRAINAGE DETAILS													
DESIGN REVIEW COMMITTEE			CITY ENGINEER APPROVAL			LAST DESIGN UPDATE	MO./DAY/YR.		MO./DAY/YR.				
CITY PROJECT NO. <b>N10-D008</b>				ZONE MAP NO. <b>N-10</b>				SHEET		OF <b>22</b>		<b>25</b>	

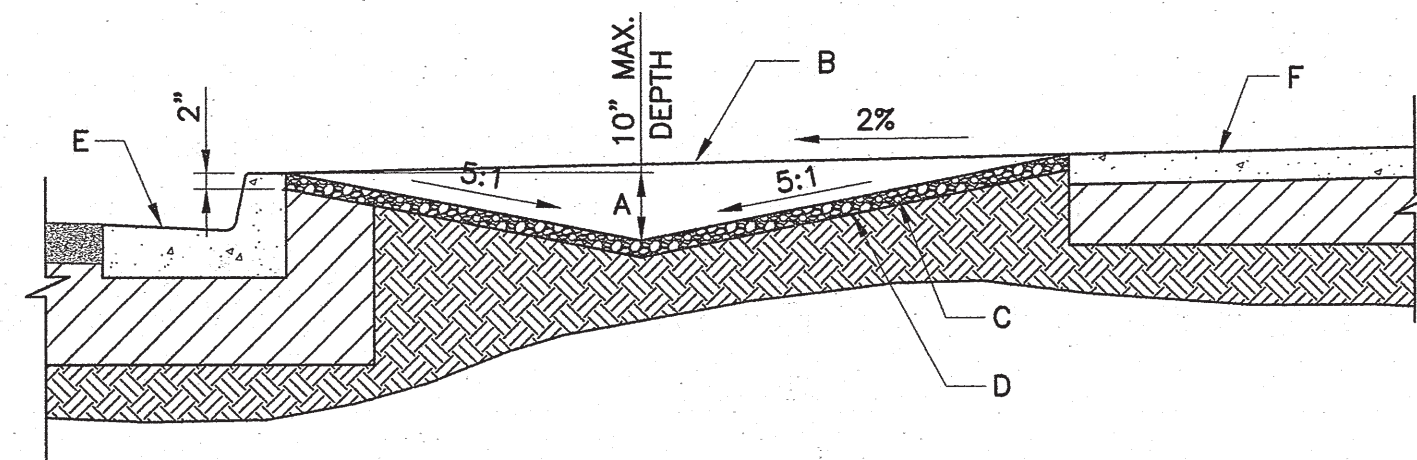




KEYED NOTES: #

1. INSTALL 4' CONCRETE SIDEWALK PER COA STD DETAIL 2430.
2. INSTALL HANDICAP RAMP. MAXIMUM SLOPE = 8.3%. SEE TYPICAL DETAIL ON SHEET 16.
3. INSTALL DETECTABLE WARNING STRIP, SEE DETAIL ON SHEET 16.
4. SAW CUT EXISTING ASPHALT TO A SMOOTH STRAIGHT LINE. ABUT NEW CURB AND GUTTER TO EXISTING ASPHALT AND MATCH EXISTING ASPHALT ELEVATION.
5. INSTALL BREAKAWAY GATE. THIS ENTRANCE IS TO BE NORMALLY CLOSED. (GATE BY OTHERS)
6. INSTALL CONCRETE VALLEY GUTTER PER COA STD DETAIL 2420.
7. INSTALL 12" WIDE SOLID WHITE STOP BAR.
8. INSTALL R1-1 "STOP" SIGN (36"x36").
9. 6" WIDE SOLID WHITE BIKE LANE STRIPING.
10. BIKE LANE PAVEMENT MARKINGS.

BUFFER SWALE DETAIL



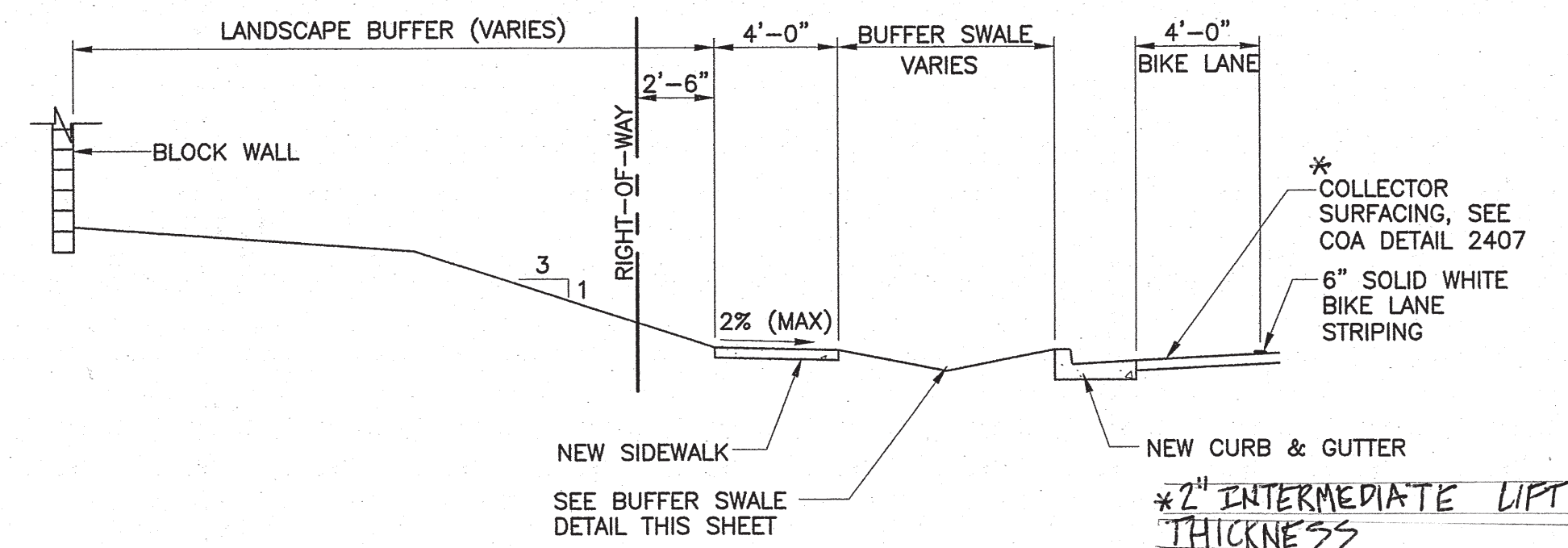
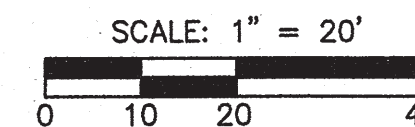
GENERAL NOTES:

1. THE LANDSCAPE AREA BETWEEN THE SIDEWALK AND BACK OF CURB SHALL BE DEPRESSED AND COVERED IN ROCK TO PREVENT EROSION.
2. LANDSCAPE BUFFERS 2 FEET AND LESS IN WIDTH ARE EXCLUDED.
3. CHECK DAMS ARE REQUIRED FOR SWALES ON LONGITUDINAL SLOPES, 2.5% AND GREATER. THE ENGINEER WILL DETERMINE THE LOCATION.

CONSTRUCTION NOTES:

- A. FOR LANDSCAPE BUFFERS GREATER THAN 10 FEET WIDE THE MAXIMUM DEPTH SHALL BE 10 INCHES.
- B. 2% PROJECTED SLOPE FROM BACK OF CURB TO EDGE OF SIDEWALK.
- C. SURFACE BETWEEN BACK OF CURB AND SIDEWALK SHALL BE COVERED WITH ANGULAR GRAVEL MULCH (MINIMUM SIZE 3/4"), COBBLES, OR RIPRAP. DO NOT FILL ENTIRE SWALE.
- D. LANDSCAPE FABRIC IS RECOMMENDED, BUT NOT REQUIRED. IF USED, LANDSCAPE FABRIC SHALL BE PERMEABLE.
- E. CURB AND GUTTER.
- F. SIDEWALK.

CITY JURISDICTION ENDS AT NORTH RIGHT-OF-WAY LINE OF BLAKE ROAD



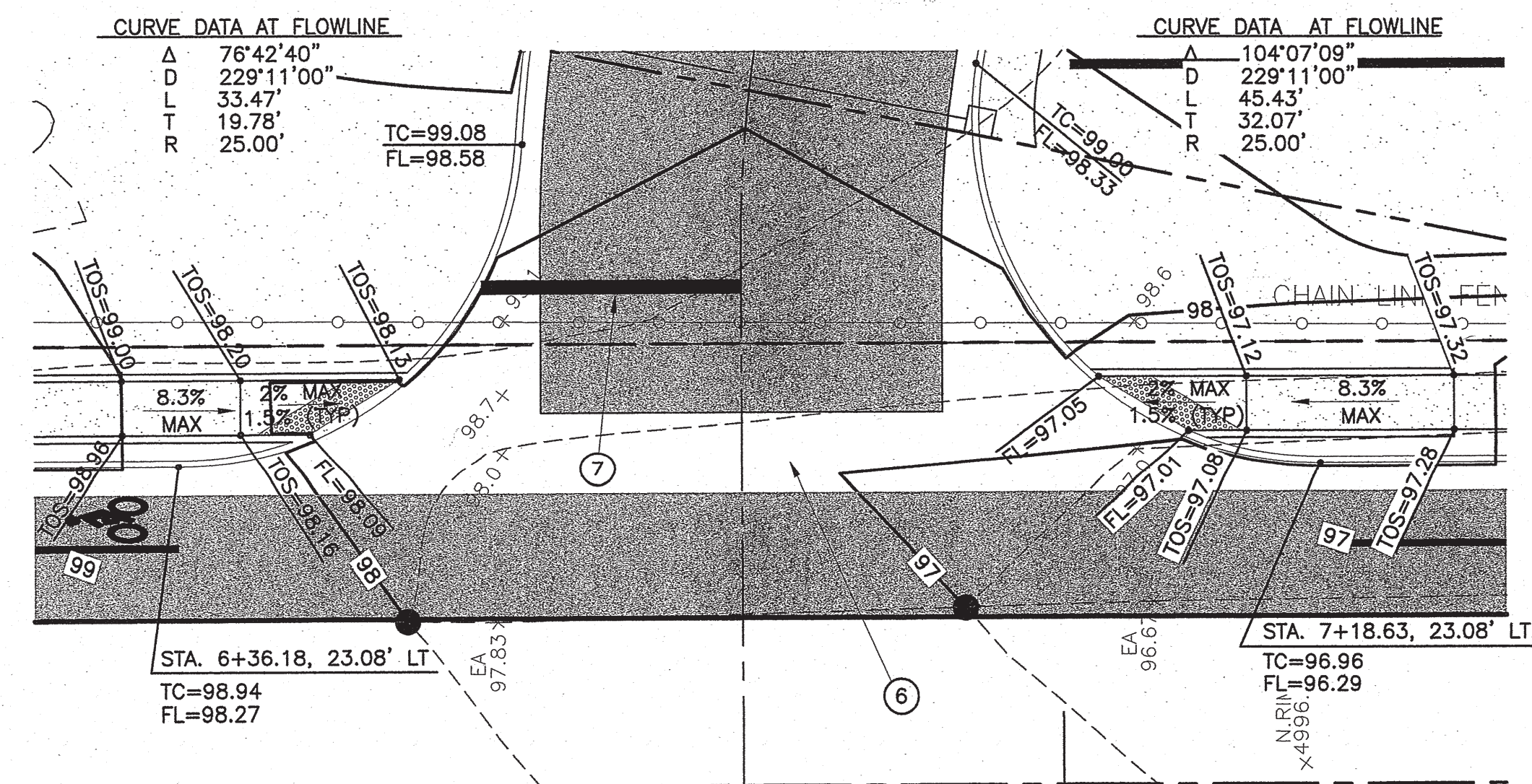
SECTION A-A

**Certificate of Substantial Compliance**  
I, Mark H. Burak, PE of Burak Consulting, Project Engineer for the Sunshine West II Subdivision project, City Work Order No. WO No. 778580 do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of the project noted above has been inspected by me and has been constructed in accordance with the plans approved by the City Engineer and that the original design intent of the approved plans has been met. This Certification is based on site inspection by me or personnel under my direction and the survey information provided by Anthony Harris, NMPS No. 11,463 of The Survey Office, LLC.

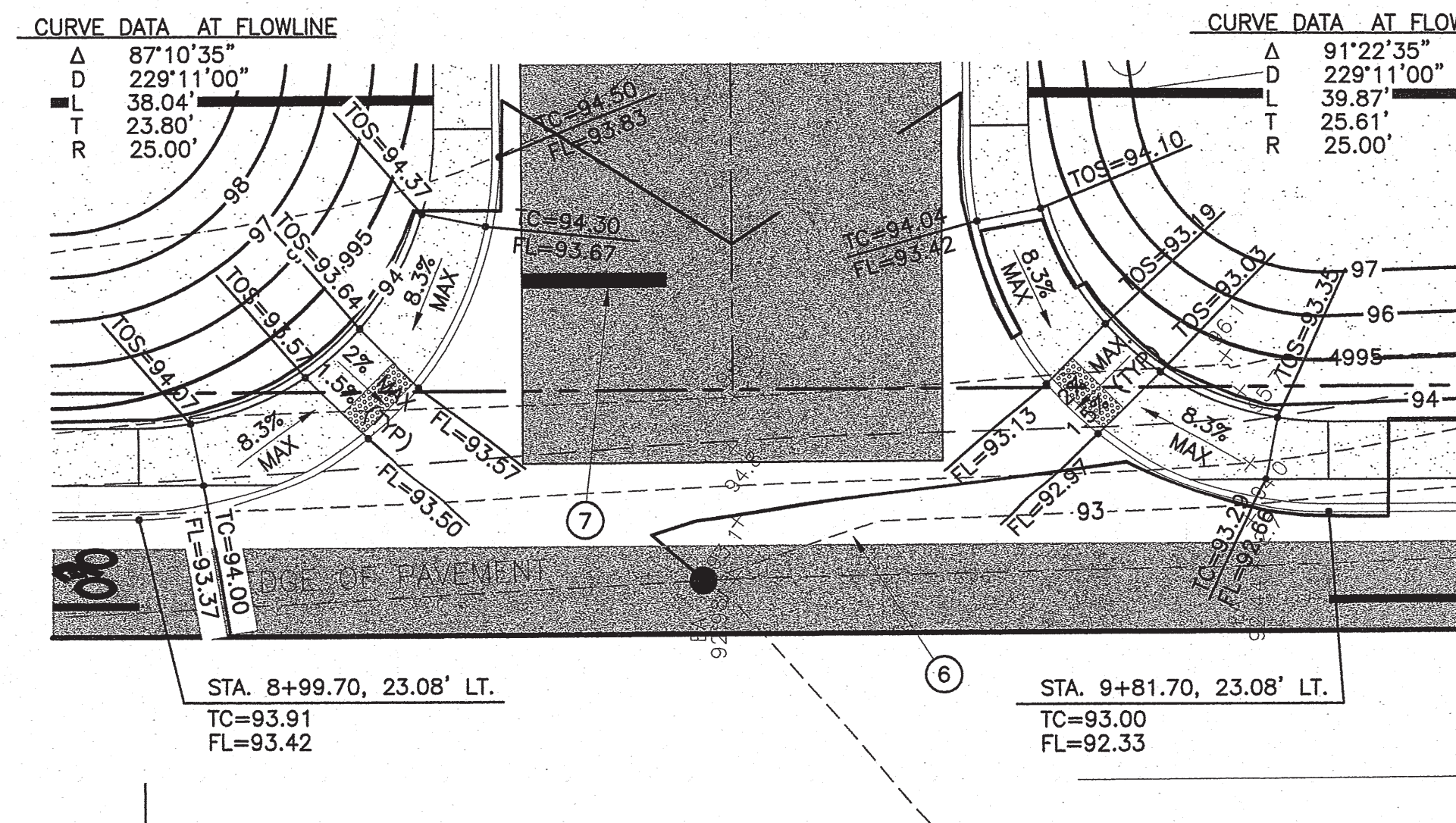
Date: October 2, 2020

Mark H. Burak, P.E.  
Burak Consulting  
1012 Sagebrush Trail SE  
Albuquerque, New Mexico, 87123  
(505) 266-0461

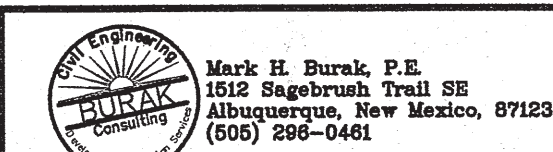
Anthony L. Harris, P.E.  
The Survey Office, LLC  
11463  
Albuquerque, New Mexico  
(505) 266-0461



HANDICAP RAMP DETAIL (STA. 6+72.49)



HANDICAP RAMP DETAIL (STA. 9+40.70)



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE: SUNSHINE WEST SUBDIVISION 2  
BLAKE ROAD ENLARGED PLAN AND HANDICAP RAMP DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED FEB 05 2018 DESIGN REVIEW COMMITTEE	APPROVED APR 22 2019 CITY ENGINEER		
CITY PROJECT NO. N10-D008	ZONE MAP NO. 778580	SHEET 23	OF 25



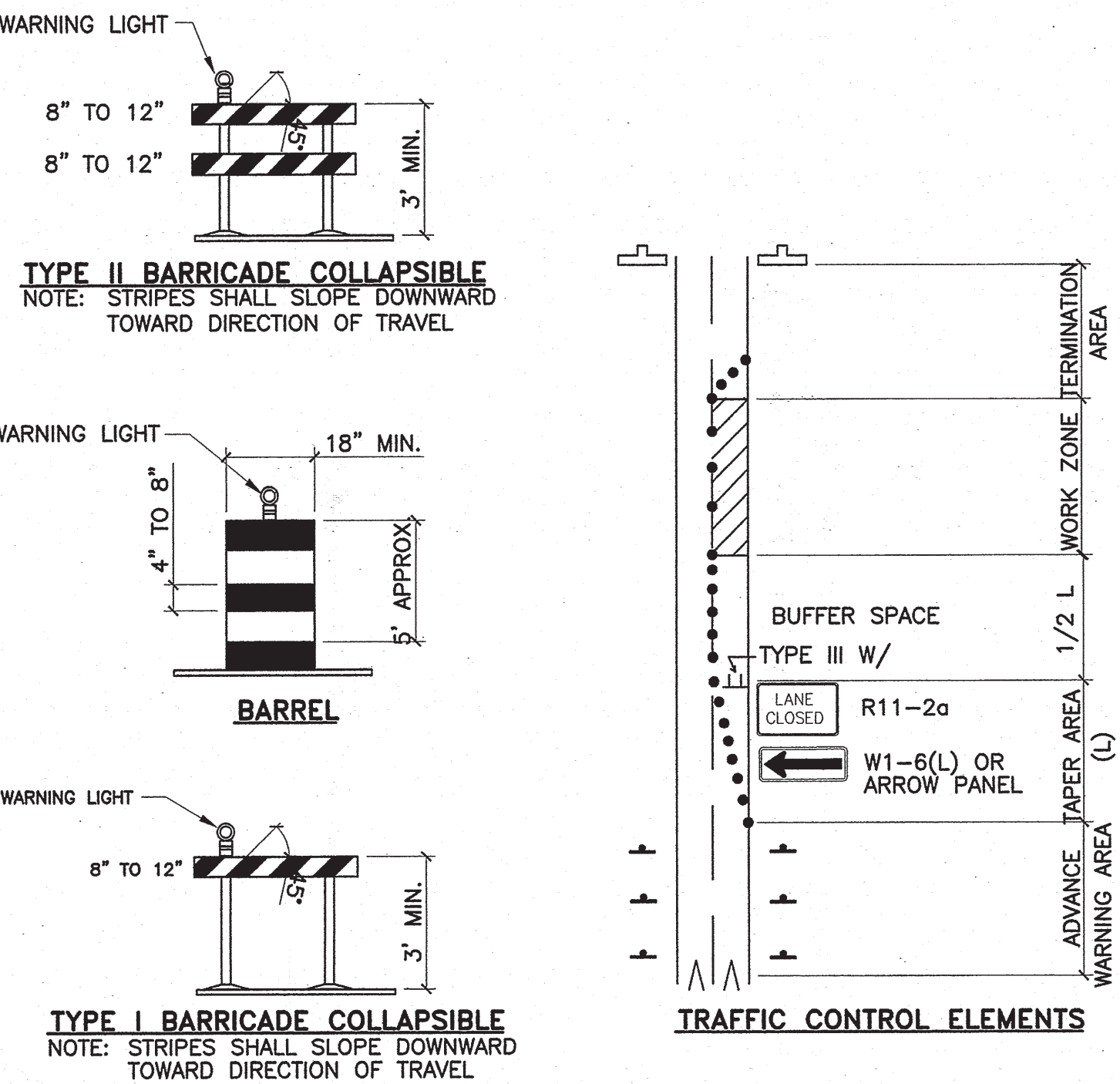
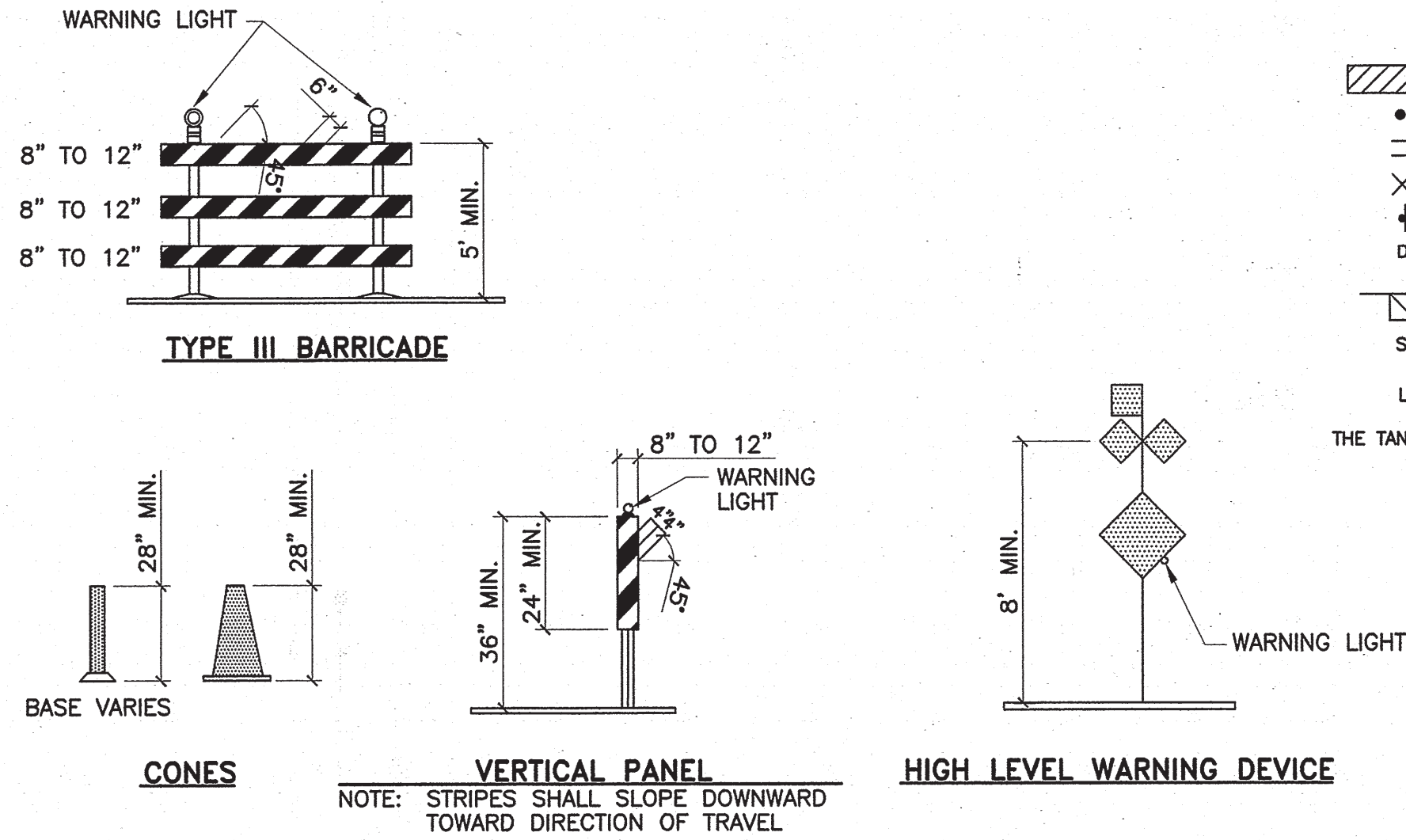




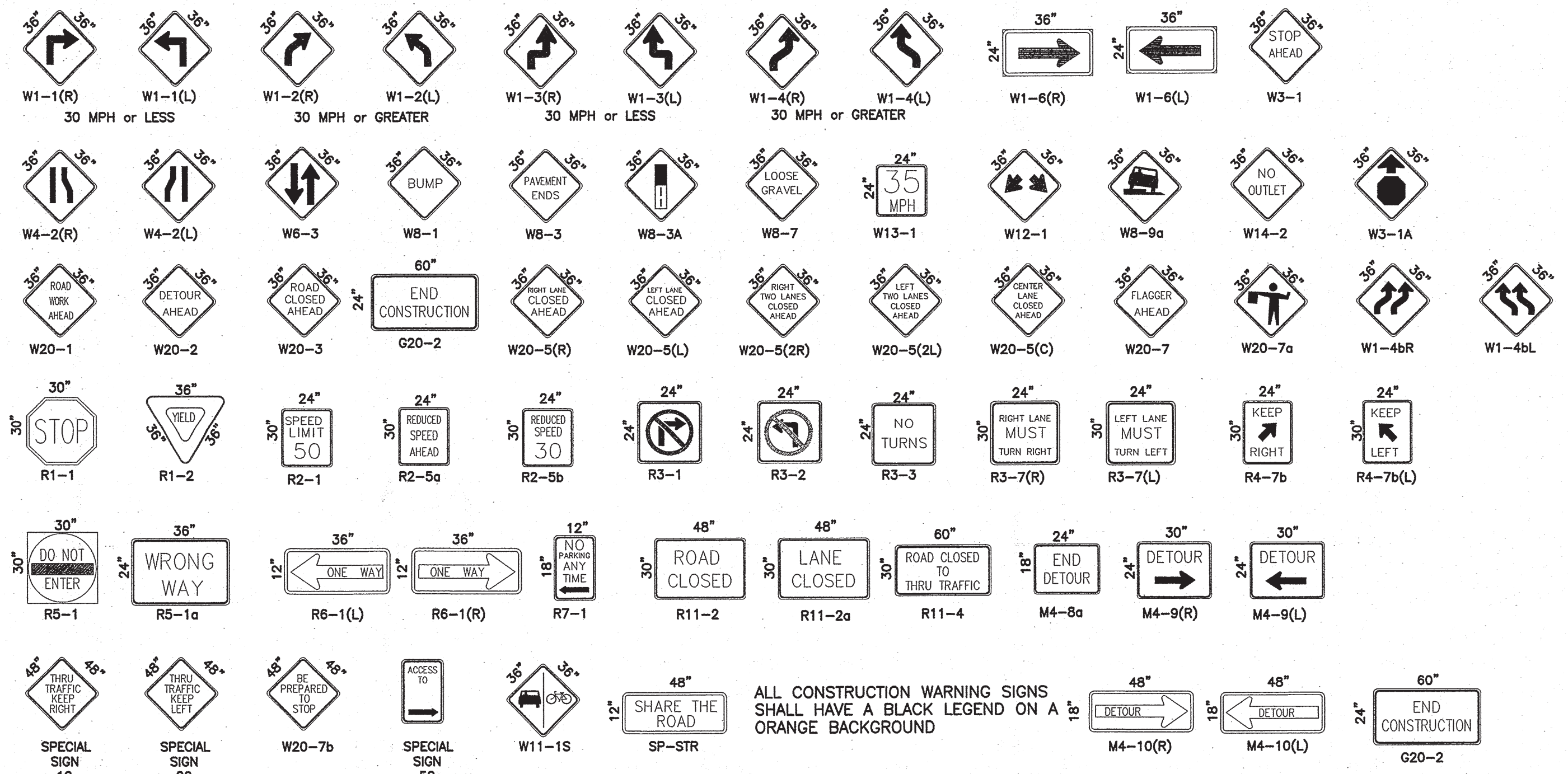
TEMPORARY TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT AT LEAST TWO WORKING DAYS 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 HOURS.
2. 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.
3. 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.
4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
5. 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.
6. 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.
7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SETUP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA), OR EQUIVALENT, CERTIFIED WORK SITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORK SITE TRAFFIC SUPERVISOR OR EQUIVALENT.
8. 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.
9. 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.
10. 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.
11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
12. 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.
13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN AND BICYCLE TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENCES AT ALL TIMES.
17. 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.
18. 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.
19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING 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.

20. 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:
- 1) STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- 2) THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
- 3) SECTIONS 19, 1200, AND 2800 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 TEMPORARY 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 WORK SITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



SIGN FACE DETAILS



LEGEND

WORK AREA	BARRICADE - TYPE I, TYPE II, VERTICAL PANEL, 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 STREET LIMIT OF THE STREET
TAPER LENGTH	SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENT

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 LIMIT (MPH)	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	$L = \frac{WS^2}{60}$
40 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

"FOR INFORMATION ONLY"

Mark H. Bursk, P.E.  
1512 Sagebrush Trail SE  
Albuquerque, New Mexico, 87125  
(505) 258-0461

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE: SUNSHINE WEST SUBDIVISION 2  
SIGNING AND CONSTRUCTION TRAFFIC CONTROL

DESIGN REVIEW COMMITTEE: CITY ENGINEER APPROVAL

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

CITY PROJECT NO. N10-D008 ZONE MAP NO. N-10 SHEET 25 OF 25

AS BUILT INFORMATION

CONTRACTOR: WORK ORDER: DATE: 10/10/18

BENCH MARKS: ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION "4-N10" HAVING AN ELEVATION OF 5003.719. NAVD 1988. 3-1/4" ALUMINUM DISC SET IN CONCRETE POST ON S. SIDE OF BLAKE ROAD ON WEST SIDE OF THIS SURVEY. N-1,469,300.61

SURVEY INFORMATION

FIELD NOTES: DATE: 10/10/18 BY: MHB

ENGINEER'S SEAL: Mark H. Bursk, P.E. 1700/18

REVISIONS: NO. DATE: 11/09/18 BY: MHB

DESIGNED BY: MHB DATE: 11/09/18

DRAWN BY: TDS DATE: 11/09/18

CHECKED BY: MHB DATE: 11/09/18