

LA SALIDA DE LA LUNA ESTATES

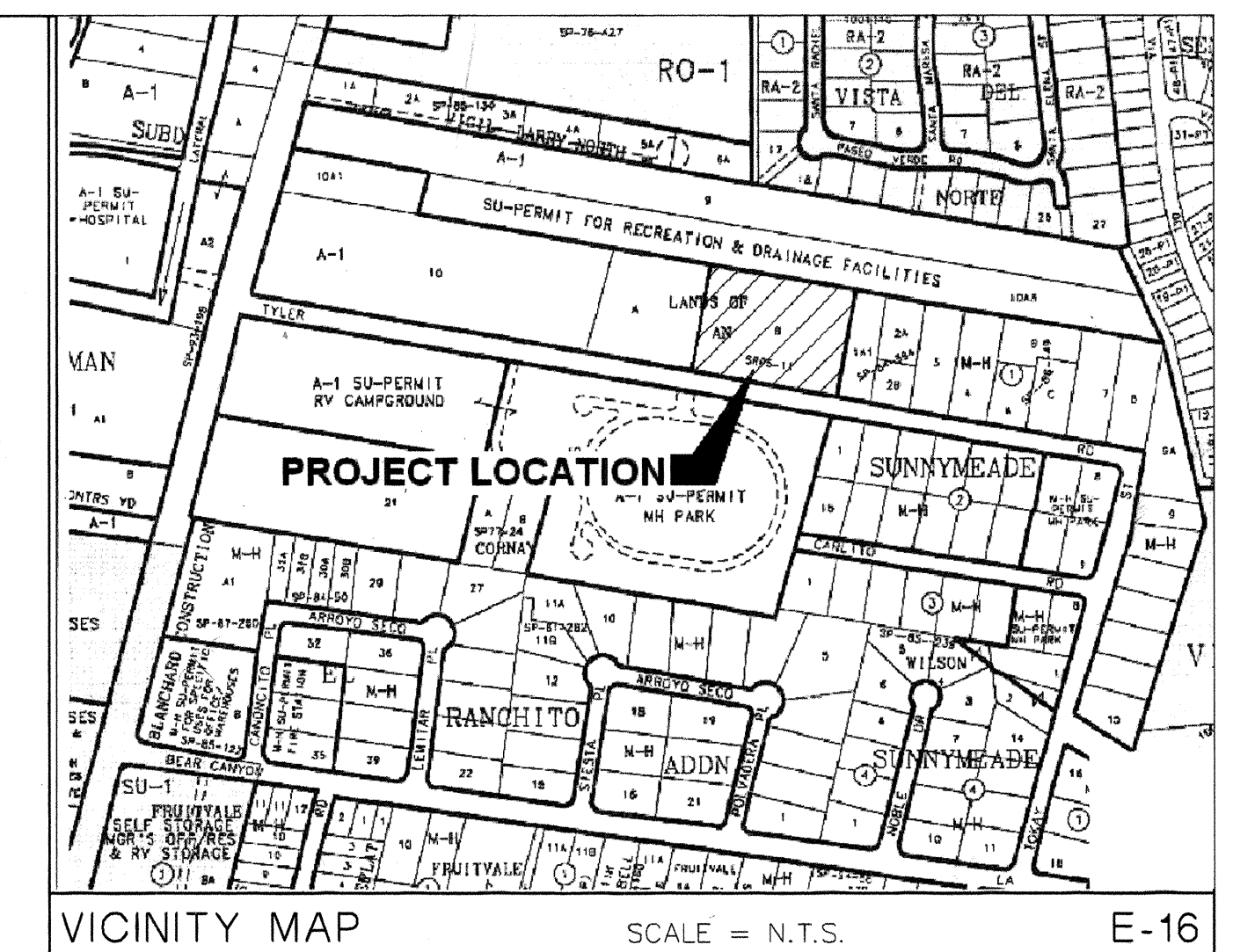
TYLER ROAD N.E & KABRICO COURT N.E.
UTILITY IMPROVEMENTS

ALBUQUERQUE, NEW MEXICO

JUNE 21, 2007

INDEX OF DRAWINGS

- | | |
|---|--|
| 1 | COVER SHEET |
| 2 | GENERAL NOTES |
| 3 | PLAT |
| 4 | MASTER GRADING PLAN |
| 5 | PAVING PLAN AND DETAILS AND SIGNAGE PLAN |
| 6 | MASTER UTILITY PLAN |
| 7 | KABRICO COURT PLAN AND PROFILE |
| 8 | TRAFFIC CONTROL & SIGNING EXAMPLES |
| 9 | SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS |



I, MARTIN J. GARCIA, OF THE FIRM ABQ ENGINEERING, INC., A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE INFRASTRUCTURE INSTALLED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR BY A QUALIFIED PERSON UNDER MY DIRECT SUPERVISION AND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND BY THE CITY ENGINEER, AND THAT THE ORIGINAL DESIGN INTENT OF THE APPROVED PLANS HAVE BEEN MET, EXCEPT AS NOTED BY ME ON THE AS-BUILTS CONSTRUCTION DRAWINGS. THE CERTIFICATION IS BASED ON SITE INSPECTIONS BY ME OR PERSONNEL UNDER MY DIRECTION. SURVEY INFORMATION PROVIDED BY RUSS P. HUGG, NMPS 9750.

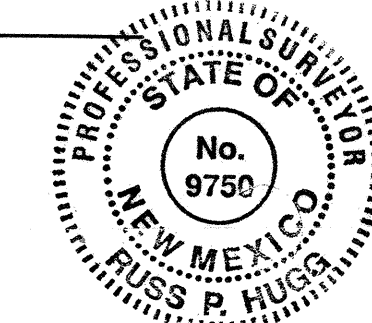


SURVEYORS CERTIFICATION

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

6.5, 2008



APPROVED: TJ Ramo BERNALILLO COUNTY PUBLIC WORKS

7/19/07
DATE

PWCO# 70007

ABQ
Engineering, Inc

Engineers • Planners • Construction Services
6739 Academy Rd. NE, Suite 130 Albuquerque, NM 87109
505-255-7802 FAX 505-255-7802 ABQ Project: 26124

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
William G. Balch
DATE: 07/23/08

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	* * * * *			
	DRC Chairman	NA		APPROVED FOR CONSTRUCTION			
	Transportation	NA					
	Water/Wastewater	William G. Balch	7-6-07				
	Hydrology	NA					
	Parks	NA					
	Constr. Coord.	NA					
Envir. Health	NA						
City Project No.				Sheet Of			
745683				1 9			

SCANNED BY
PLANNING

General Notes

1. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990 or 811) AND DETERMINE LOCATION OF EXISTING UTILITIES.
2. 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.
3. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
4. 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 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 SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS UPDATE NO. 7.
5. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE BERNALILLO COUNTY TRAFFIC ENGINEER AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK. PLANS SHALL BE PREPARED IN ACCORDANCE WITH MUTCD REQUIREMENTS AND BY CERTIFIED PERSONNEL AND MUST BE APPROVED PRIOR TO COMMENCEMENT OF WORK ON THE PROJECT.
6. SUBJECT TO THE APPROVED TRAFFIC CONTROL PLAN, AT LEAST ONE LANE SHALL BE OPEN TO TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND FLAGMAN AND SHALL MAINTAIN THE TRAFFIC LANE IN SUCH A MANNER AS TO ASSURE PROPER SAFETY TO THE TRAVELING PUBLIC ON ALL AFFECTED ROADS. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL PRIVATE AND PUBLIC PROPERTY AT ALL TIMES, EXCEPT WHEN GRADING, EXCAVATION AND BACKFILL OPERATIONS ARE BEING CONDUCTED IMMEDIATELY IN FRONT OF THE PROPERTY, IN WHICH CASE ACCESS WILL NOT BE DENIED FOR MORE THAN 4 HOURS WITHOUT APPROVAL BY THE COUNTY.
7. TRAFFIC LANES PROVIDED DURING CONSTRUCTION SHALL BE MAINTAINED, IN SUCH A CONDITION UNDER ALL WEATHER CONDITIONS, SO AS TO PERMIT THE REASONABLE PASSAGE OF PASSENGER VEHICLES, AND SHALL BE KEPT GRADED AND SMOOTH, AND WATERED SEVERAL TIMES DAILY TO CONTROL DUST.
8. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR WILL SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE BERNALILLO COUNTY CONSTRUCTION COORDINATION DIVISION. TWO (2) DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF SPECIFICATIONS.
9. THE SPECIFICATIONS USED FOR THIS PROJECT ARE THE NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, LATEST EDITION, EXCEPT ALL UTILITY WORK. REFER TO NOTE 25.
10. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.

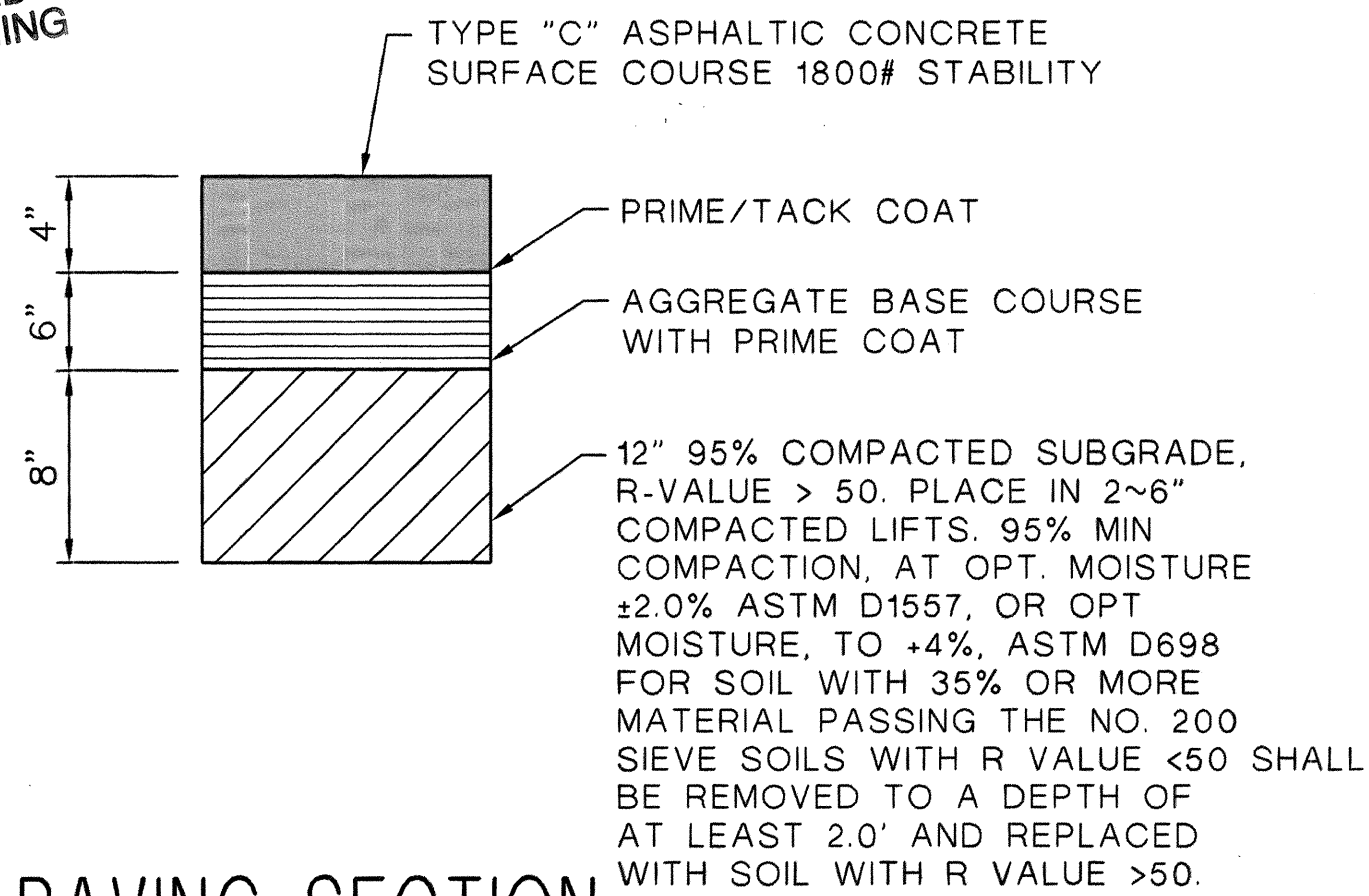
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- ☐ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED 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.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGE AFTER APPROVAL BY THE CITY ENGINEER OR WORK COMPLETED BY THE CONTRACTOR.

11. ALL WATER VALVE BOXES MANHOLES IN THE STREET CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.
12. SUBGRADE PREPARATIONS UNDER SIDEWALKS AND DRIVE PADS, AND SUBGRADE AND SUBBASE PREPARATION UNDER CURB AND GUTTER IS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH, AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.
13. ALL EXCAVATION WILL BE GOVERNED BY FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
14. ALL SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS" CURRENT EDITION PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
15. WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES AND REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING PER BERNALILLO COUNTY STD DWG 2465. CONTRACTOR SHALL CONTACT BCPWD (848-1500) TO REQUEST AN INSPECTOR TO VERIFY CONTRACTOR WILL MAKE ALL WATER VALVES ACCESSIBLE TO ALBUQUERQUE/BERNALILLO COUNTY WATER AUTHORITY AT ALL TIMES.
16. CONTRACTOR WILL CONFINE HIS WORK WITHIN THE CONSTRUCTION EASEMENT LIMITS AND/OR RIGHT-OF-WAY, OR PROVIDE COPIES OF AGREEMENTS WITH ADJACENT LANDOWNERS TO THE CITY OF ALBUQUERQUE.
17. THE CONTRACTOR AGREES TO TAKE NECESSARY SAFETY PRECAUTIONS AS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE CONSTRUCTION AREA, WHICH INCLUDE BUT ARE NOT LIMITED TO: MAINTAINING ADEQUATE WARNING SIGNS, BARRICADES, LIGHTS, GUARD FENCES, WALKS AND BRIDGES.
18. TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE FIELD ENGINEER.
19. PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. ROAD SHALL NOT BE OPENED TO THE TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
20. ALL ASPHALTIC CONCRETE SHALL BE MINIMUM 1800 LB. STABILITY AND COMPACTED TO 95% MODIFIED MARSHALL DENSITY UNLESS OTHERWISE NOTED ON THE PLANS.
21. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM INSPECTOR, WHETHER PERMANENT OR TEMPORARY.
22. CONTRACTOR SHALL COORDINATE WITH CITY OF ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY (ABCWUA)(857-8200) SEVEN (7) WORKING DAYS PRIOR TO UTILITY EXCAVATION OR ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. EXISTING VALVES TO BE OPERATED BY ABCWUA PERSONNEL ONLY.
23. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
24. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
25. THE SPECIFICATIONS USED FOR THIS PROJECT ARE THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1994 EDITION, UPDATE NO. 7.

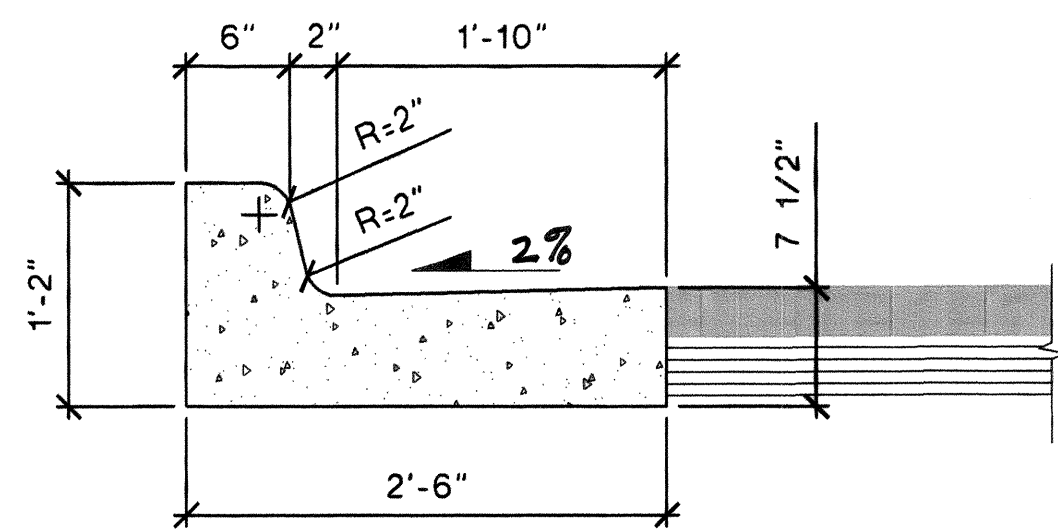
	•Engineers •Planners										
	•Construction Services										
	6739 Academy Rd NE, Suite 130										
	Albuquerque, NM 87109										
	505-255-7802 FAX 505-255-7902										
	ABQ NO. 26124										
						NO.		DATE		DESIGNED BY M DRAWN BY F CHECKED BY	
		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP									
LA SALIDA DE LA LUNA ESTATES											
GENERAL NOTES											
TITLE:											
Design Review Committee		City Engineer Approval		Last Design Update		Mo./Day/Yr.		Mo./Day/Yr.			
<i>William J. Bales</i>		<i>Bales</i>									
<i>T-G-2001</i>											
City Project No.		745683		Zone Map No.		SHEET		OF			
County Project No.		70007		E-16		2		9			

SCANNED BY
PLANNING



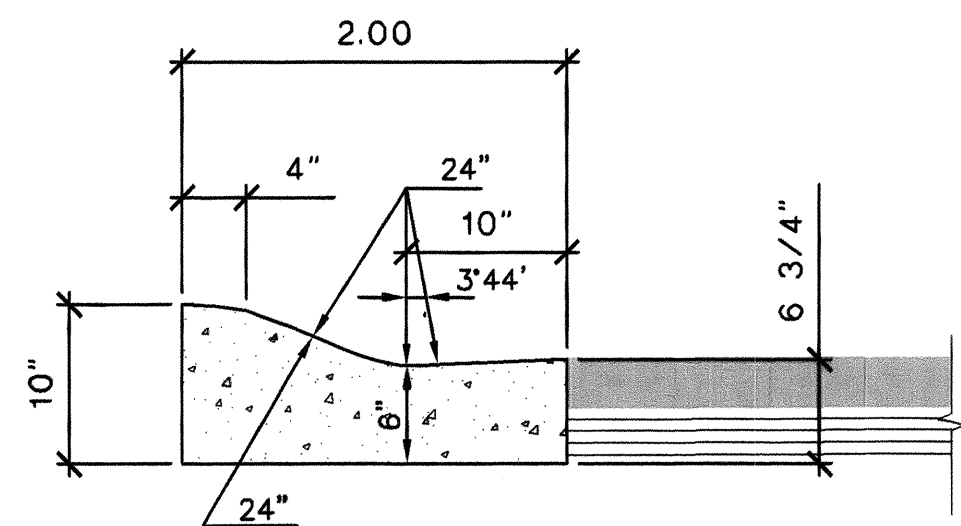
PAVING SECTION

NO SCALE



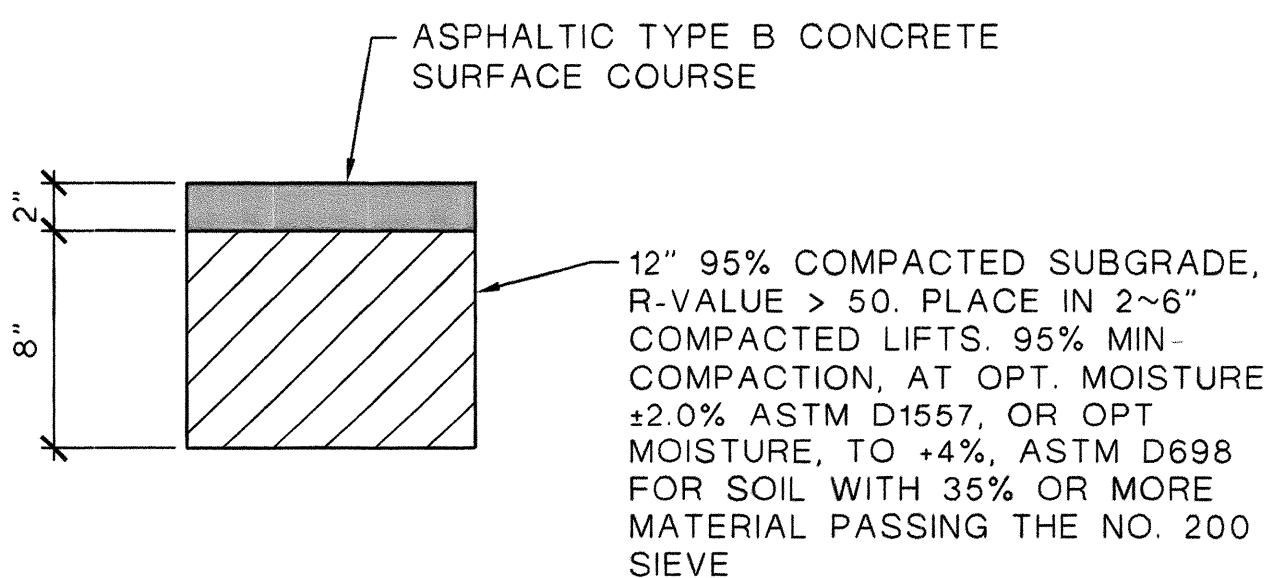
STANDARD CURB DETAIL

NO SCALE



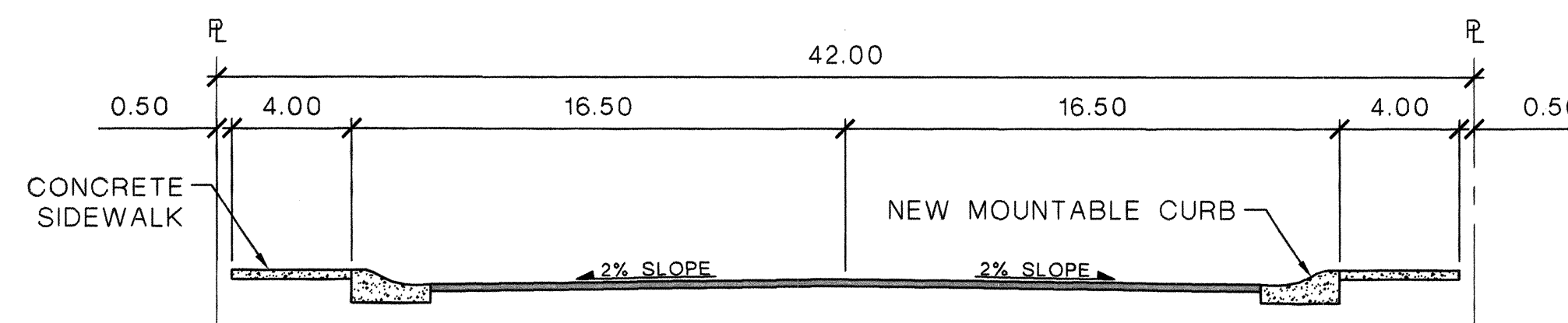
MOUNTABLE CURB DETAIL

NO SCALE



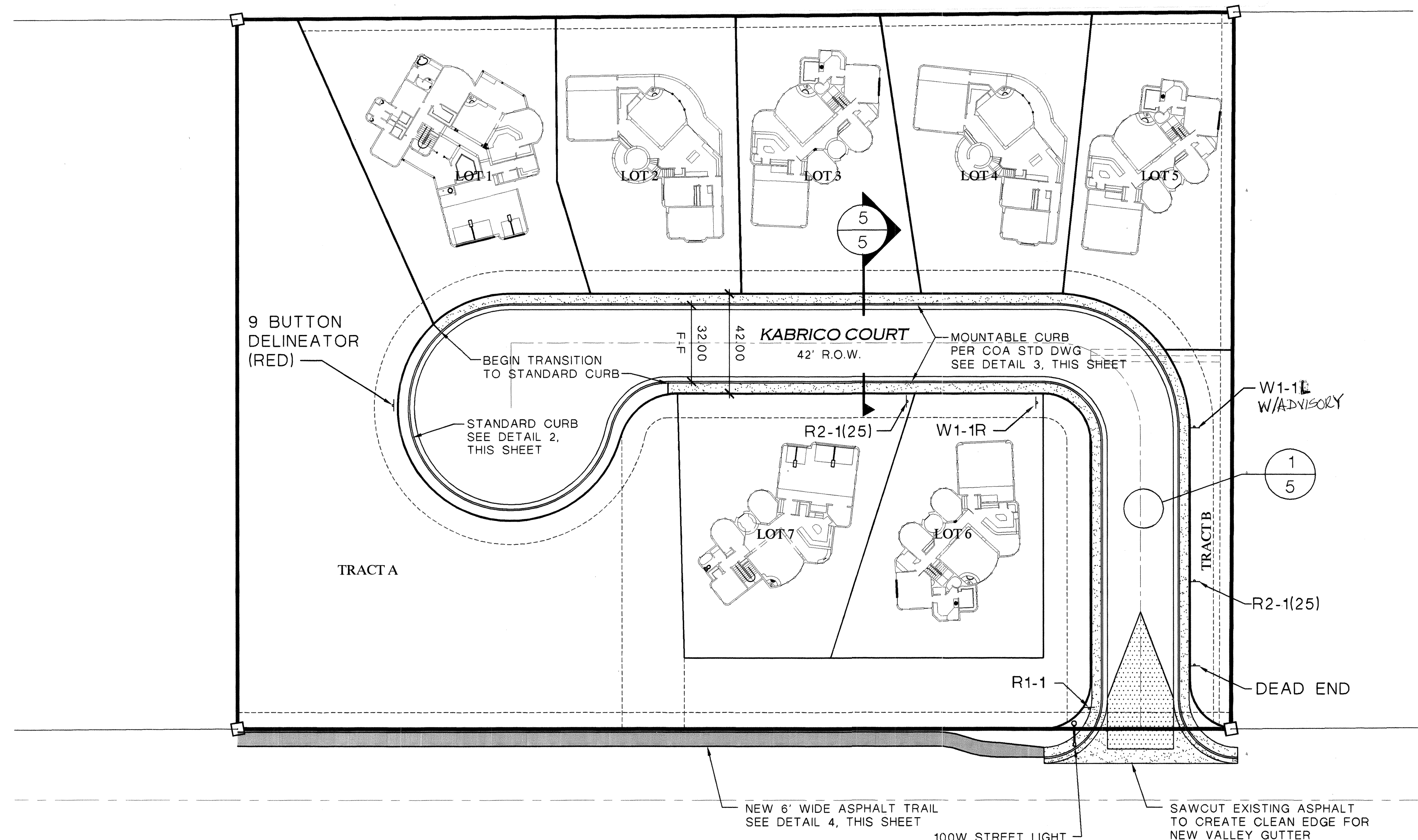
PAVING SECTION

NO SCALE



KABRIGO COURT SECTION

NO SCALE

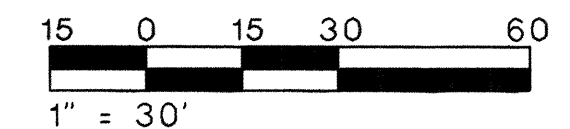


PAVING PLAN

SCALE: 1" = 30'



NORTH



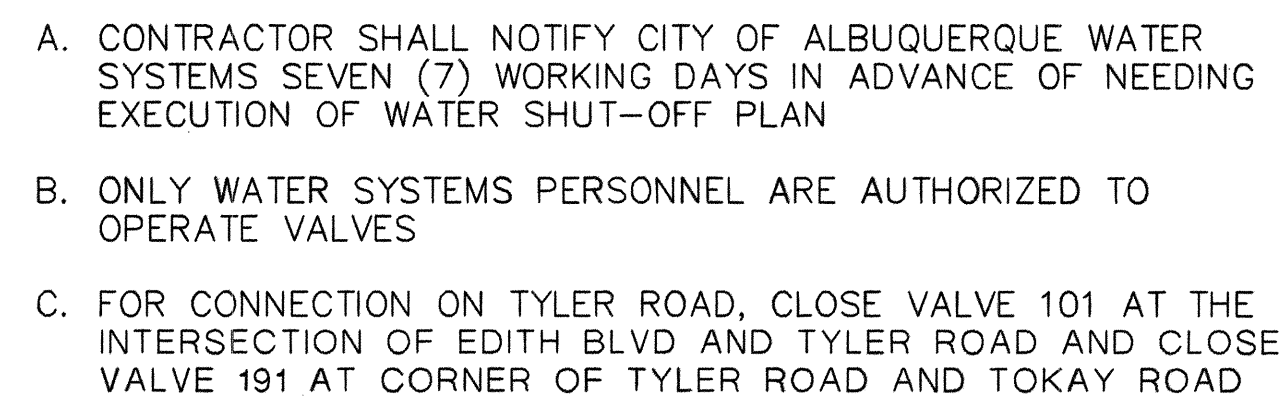
Legend

- ASPHALT TRANSITION
- ASPHALT TRAIL

ABQ Engineering, Inc.		Engineers • Planners Construction Services 6739 Academy Rd NE, Suite 130 Albuquerque, NM 87109 505-255-7802 FAX 505-255-7802 ABQ NO. 26124	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
LA SALIDA DE LA LUNA ESTATES PAVING PLAN AND DETAILS AND SIGNAGE PLAN			
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.
William J. Balch 7-6-2007	[Signature]		
City Project No.	745683	Zone Map No.	E-16
County Project No.	70007	SHEET	5 OF 9

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES			STATION MARK IS A STANDARD A.C.S. BRASS TABLET STAMPED (AMATEC RIGHT-OF-WAY MARKER) "AAA-8" SET IN CONCRETE ALONG THE NORTH DIVERSION CHANNEL	CONTRACTOR <u>SALLY BENTON</u>		
NO.	BY	DATE	<u>X = 39,902.61 Y = 15,373.15 Z = 5076.0</u> <u>(TRIGONOMETRIC ELEV)</u>	WORK STAMPED BY <u>SALLY BENTON</u>	DATE <u>6/6/07</u>	DATE <u>6/6/07</u>
				INSPECTOR'S ACCEPTANCE BY <u>WILLIAM</u> <th>DATE <u>6/6/07</u></th> <th>DATE <u>6/6/07</u></th>	DATE <u>6/6/07</u>	DATE <u>6/6/07</u>
				VERIFICATION BY <u>WILLIAM</u> <th>DATE <u>6/6/07</u></th> <th>DATE <u>6/6/07</u></th>	DATE <u>6/6/07</u>	DATE <u>6/6/07</u>
				DRAWINGS CORRECTED BY <u>WILLIAM</u> <th>DATE <u>6/6/07</u></th> <th>DATE <u>6/6/07</u></th>	DATE <u>6/6/07</u>	DATE <u>6/6/07</u>
				MICRO-FILM INFORMATION		
				RECORDED BY	DATE	
				NO.		





WATER SHUT-OFF PLAN



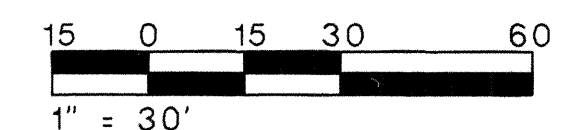
SCALE: 3/4" = 1'-0"



SCALE: 1" = 30'



NORTH



1" = 30'

Reference Drawings

ITEM	STD DWG
WATER SVC	2361, 2363, 2467, 2469
SAS SERVICE	2125
GATE VALVE	2326, 2328
FIRE HYDRANT	2340

SANITARY SEWER SERVICE			
LOT	STATION	LENGTH	OFFSET
1	0+31.85	37.66'	10.50' RT
2	0+93.05	31.50'	10.50' RT
3	1+03.05	31.50'	10.50' RT
4	2+28.95	31.50'	10.50' RT
5	2+38.95	31.50'	10.50' RT
6	1+76.34	10.50'	10.50' RT
7	1+66.34	10.50'	10.50' RT

LENGTH OF RESTRAINED PIPE (FEET)						
PIPE SIZE	90	45	22.5	11.25	TEE	VALVE
6"	18'	7'	4'	2'	18'	46'
8"	22'	8'	4'	2'	22'	59'

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

General Notes

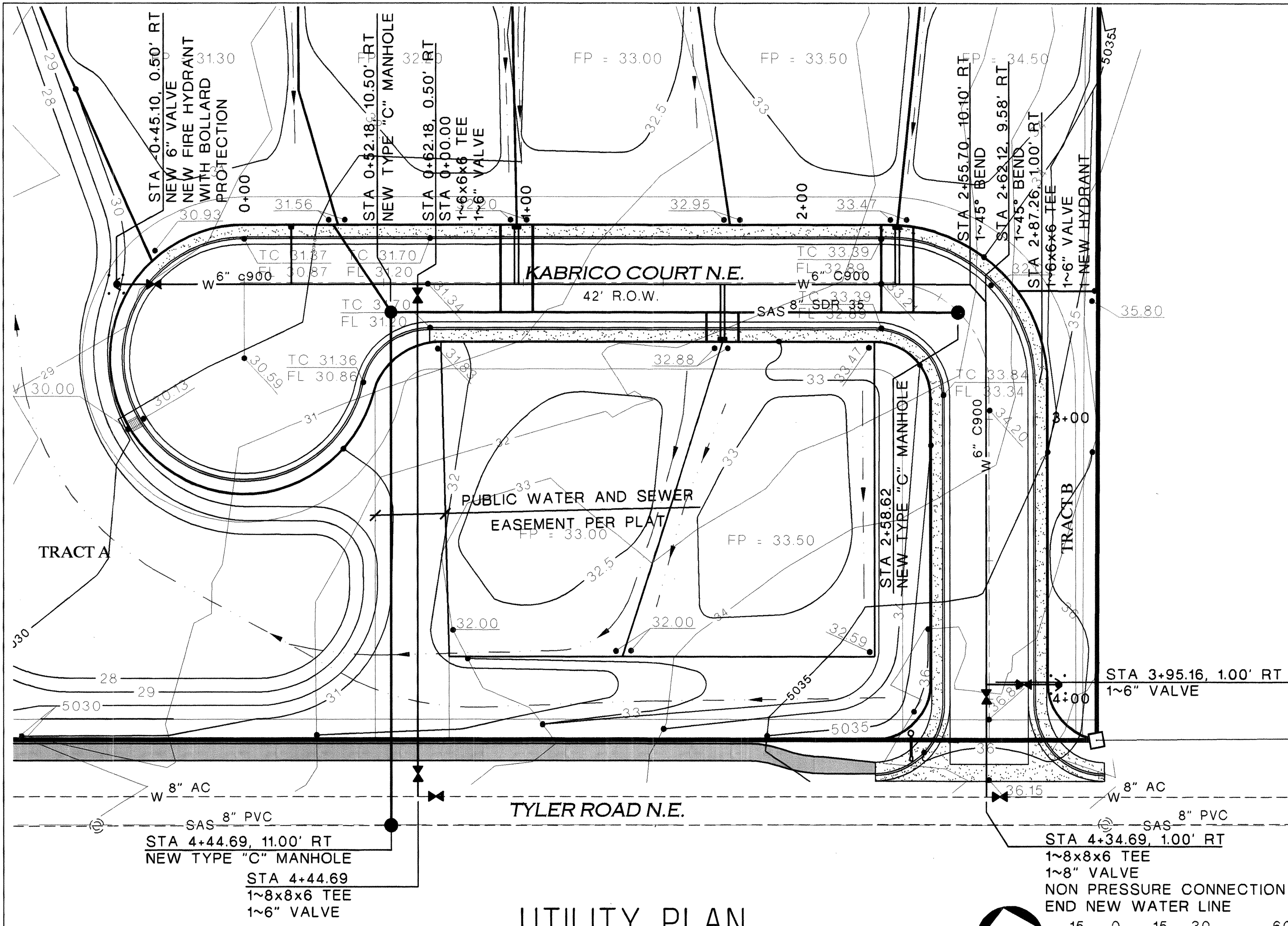
- A. CONTRACTOR TO COORDINATE WITH CITY OF ALBUQUERQUE AND CORRESPONDING AGENCIES FOR VERIFICATION OF EXISTING UTILITIES PRIOR TO TRENCHING.
- B. DUAL CHECK VALVES SHALL BE INSTALLED ON ALL WATER SERVICES FOR BACKFLOW PREVENTION.
- C. HOMEOWNERS ASSOCIATION IS RESPONSIBLE FOR MAINTENANCE OF ASPHALT TRAIL ALONG TYLER ROAD N.E.
- D. TRAFFIC RATED WATER METER BOX LIDS PER COA STD DWG 2369 AS REQUIRED ON ALL WATER SERVICES.

Legend

---W---	EXISTING WATER LINE
---SAS---	EXISTING SANITARY SEWER LINE
——W——	NEW WATER LINE
——SAS——	NEW SEWER LINE
⊙	NEW SEWER MANHOLE
⋈	NEW WATER VALVE
└─	NEW WATER METER SERVICE
▲	NEW FIRE HYDRANT

FIRE MARSHALL APPROVAL

 ABQ Engineering, Inc.	• Engineers • Planners • Construction Services 6739 Academy Rd NE, Suite 130 Albuquerque, NM 87109 505-255-7802 FAX 505-255-7902 ABQ NO. 26184							NO. DATE	DESIGNED BY M DRAWN BY F CHECKED BY M	
 CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP										
TITLE: LA SALIDA DE LA LUNA ESTATES MASTER UTILITY PLAN										
Design Review Committee		City Engineer Approval		Last Design Update		Mo./Day/Yr.		Mo./Day/Yr.		
<i>William J. Balch</i> 7-6-2007										
City Project No.		745683		Zone Map No.		SHEET		OF		
County Project No.		70007		E-16		6		9		

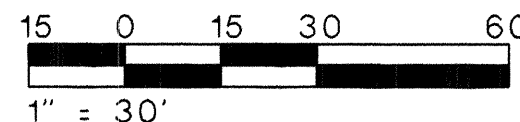


UTILITY PLAN

SCALE: 1" = 30'



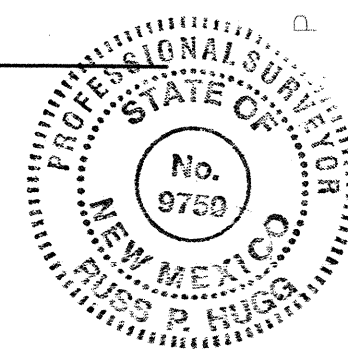
NORTH



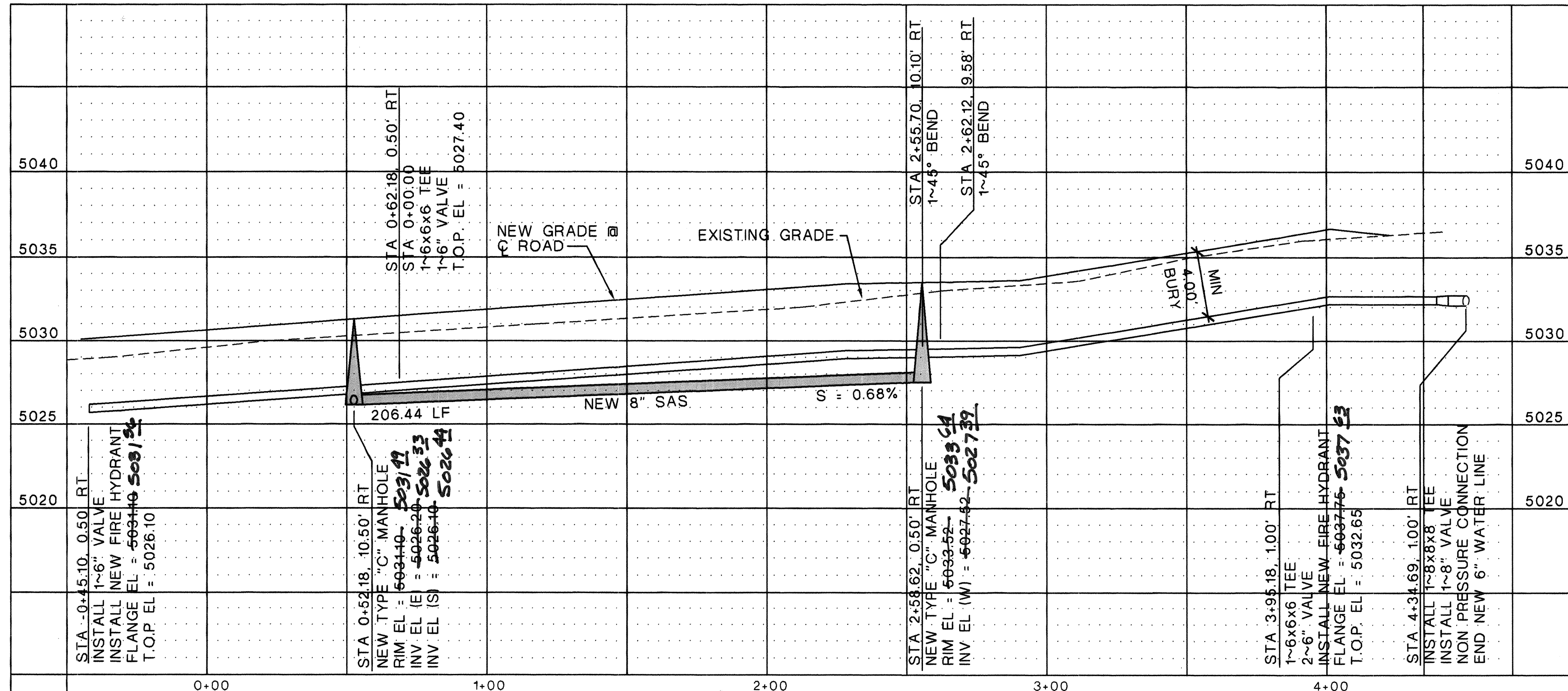
1" = 30'

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
6-5-2008

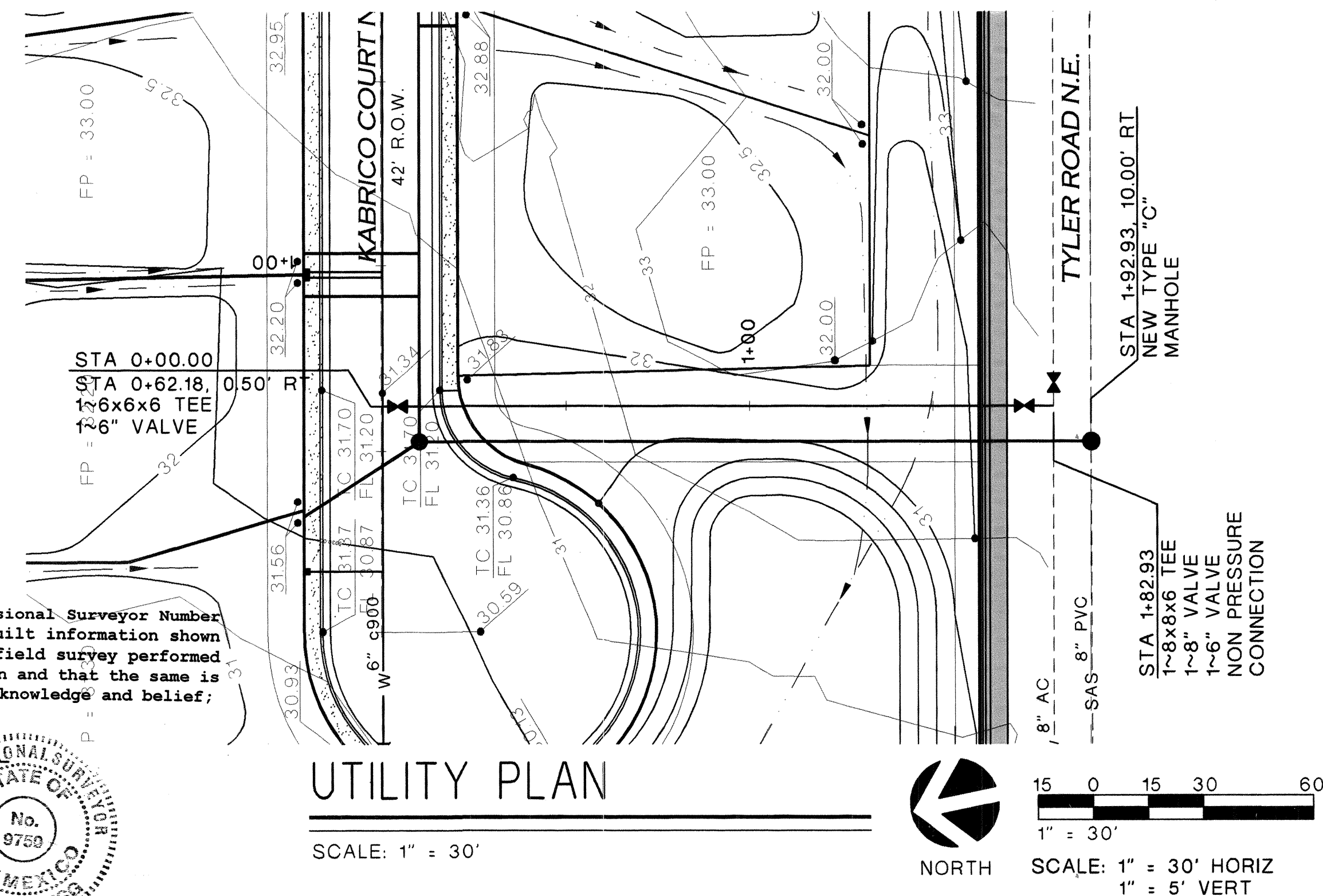


SCALE: 1" = 30' HORIZ
1" = 5' VERT



General Notes

- CONTRACTOR TO COORDINATE WITH CITY OF ALBUQUERQUE AND CORRESPONDING AGENCIES FOR VERIFICATION OF EXISTING UTILITIES PRIOR TO TRENCHING.
- STATIONING OF PROFILE IS BASED ALONG CENTERLINE OF KABRICO COURT.

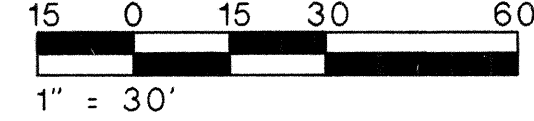


UTILITY PLAN

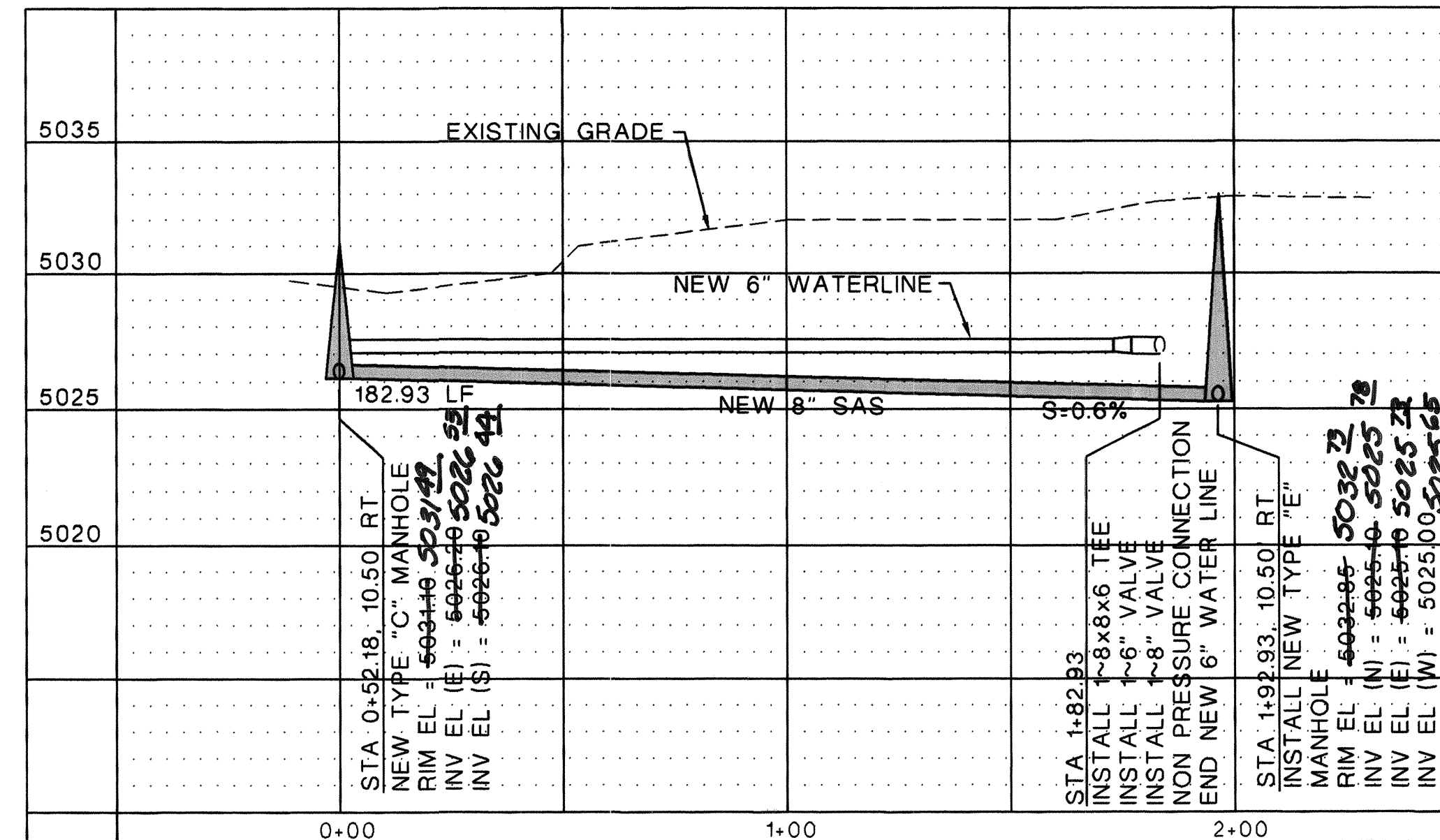
SCALE: 1" = 30'



NORTH



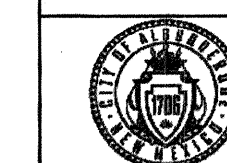
SCALE: 1" = 30' HORIZ
1" = 5' VERT



Legend

- W---
 - SAS---
 - W—
 - SAS—
 -
 - ✕
 - |
 - ▲
- EXISTING WATER LINE
EXISTING SANITARY SEWER LINE
NEW WATER LINE
NEW SEWER LINE
NEW SEWER MANHOLE
NEW WATER VALVE
NEW WATER METER SERVICE
NEW FIRE HYDRANT

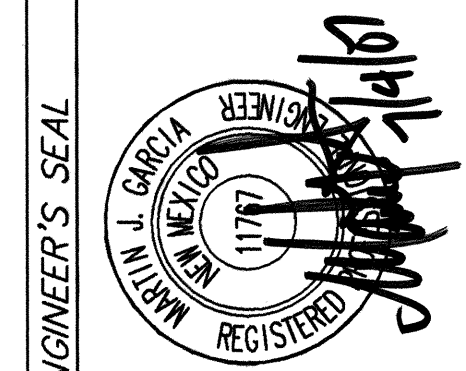
ABQ
Engineering, Inc.
Engineers - Planners
Construction Services
6739 Academy Rd NE, Suite 130
Albuquerque, NM 87109
505-255-7802 FAX 505-255-7902
ABQ NO. 26124



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LA SALIDA DE LA LUNA ESTATES
KABRICO COURT N.E.
PLAN AND PROFILES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
William G. Balch 7-6-2007	[Signature]			
City Project No. 745683	Zone Map No. E-16	SHEET 7	OF 9	
County Project No. 70007				



ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		DESIGN	
		REVISIONS	
		DATE 6/21/2007	
		DRAWN BY F. PHILLIPS	
		CHECKED BY M. GARCIA	

NO.	DATE	REMARKS	BY
		DESIGN	
		REVISIONS	
		DATE 6/21/2007	
		DRAWN BY F. PHILLIPS	
		CHECKED BY M. GARCIA	

NO.	DATE	REMARKS	BY
		DESIGN	
		REVISIONS	
		DATE 6/21/2007	
		DRAWN BY F. PHILLIPS	
		CHECKED BY M. GARCIA	

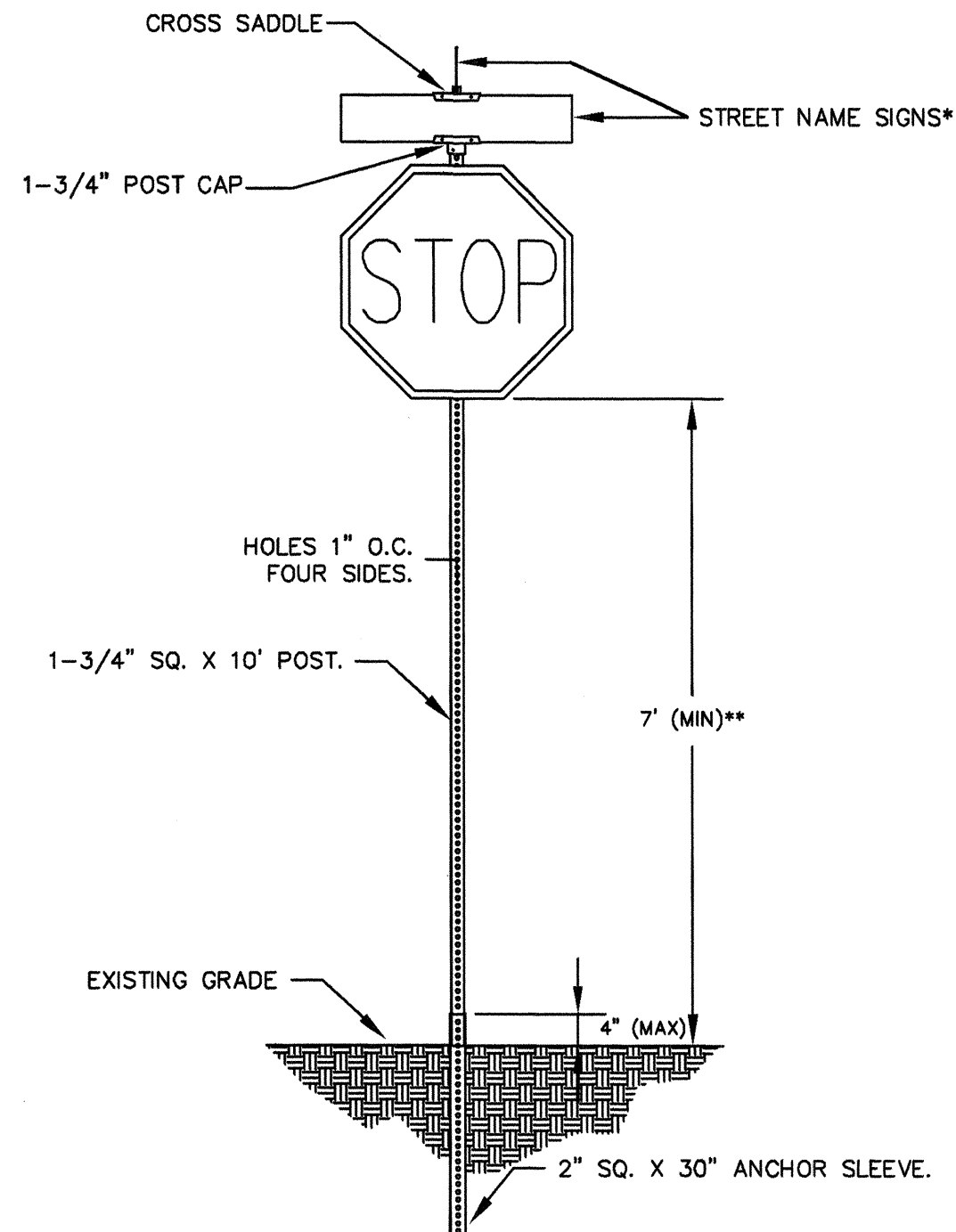
NO.	DATE	REMARKS	BY
		DESIGN	
		REVISIONS	
		DATE 6/21/2007	
		DRAWN BY F. PHILLIPS	
		CHECKED BY M. GARCIA	

NO.	DATE	REMARKS	BY
		DESIGN	
		REVISIONS	
		DATE 6/21/2007	
		DRAWN BY F. PHILLIPS	
		CHECKED BY M. GARCIA	

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- PROJECT IS SUBJECT TO THE REQUIREMENTS OF COUNTY ORDINANCE NO. 95-12 AND COUNTY ORDINANCE NO. 96-3. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY. CONTRACTOR SHALL CALL 848-1504 FOR MORE INFORMATION.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE COUNTY TRAFFIC CONTROL ADMINISTRATOR AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK. TRAFFIC CONTROL PLANS SHALL BE PREPARED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION AND BY CERTIFIED PERSONNEL AND MUST BE APPROVED PRIOR TO COMMENCEMENT OF WORK ON THE PROJECT. CALL 848-1504 FOR FURTHER INFORMATION.
- A DAILY TRAFFIC CONTROL LOG SHALL BE MAINTAINED BY THE CONTRACTOR REFLECTING THE TYPES AND LOCATIONS OF ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, ETC. BEING USED ON THE PROJECT IN COMPLIANCE WITH THE APPROVED TRAFFIC CONTROL PLAN. THIS LOG SHALL BE SUBMITTED TO THE BERNALILLO COUNTY TRAFFIC CONTROL ADMINISTRATOR UPON COMPLETION OF THE PROJECT CONSTRUCTION OR WHEN SO REQUESTED BY THE PROJECT MANAGER OR THE BERNALILLO COUNTY TRAFFIC CONTROL ADMINISTRATOR.
- CONTRACTOR SHALL PROVIDE A WEEKLY CONSTRUCTION ACTIVITY SCHEDULE TO BERNALILLO COUNTY PUBLIC WORKS DIVISION ATTN: PROJECT MANAGER
- THE CONTRACTOR SHALL FILE A WEEKLY WRITTEN REPORT TO THE TRAFFIC CONTROL ADMINISTRATOR DESCRIBING THE TRAFFIC CONTROL PLAN THAT WILL BE IN EFFECT FOR THE FOLLOWING WEEK.
- SUBJECT TO THE APPROVED TRAFFIC CONTROL PLAN, AT LEAST ONE LANE SHALL BE OPEN TO TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND FLAGMAN AND SHALL MAINTAIN THE TRAFFIC LANE IN SUCH A MANNER AS TO ASSURE PROPER SAFETY TO THE TRAVELING PUBLIC AT ALL TIMES, EXCEPT WHEN GRADING, EXCAVATION AND BACKFILL OPERATIONS ARE BEING CONDUCTED IMMEDIATELY IN FRONT OF THE PROPERTY, IN WHICH CASE ACCESS WILL NOT BE DENIED FOR MORE THAN 4 HOURS WITHOUT APPROVAL BY THE COUNTY.
- TRAFFIC LANES PROVIDED DURING CONSTRUCTION SHALL BE MAINTAINED, IN SUCH A CONDITION UNDER ALL WEATHER CONDITIONS, SO AS TO PERMIT THE REASONABLE PASSAGE OF PASSENGER VEHICLES, AND SHALL BE KEPT GRADED AND SMOOTH, AND WATERED SEVERAL TIMES DAILY TO CONTROL DUST.
- 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 BERNALILLO COUNTY TRAFFIC ENGINEERING.
- ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY WITH 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 THE COUNTY TRAFFIC CONTROL ADMINISTRATOR, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP FOR EACH PHASE 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 BERNALILLO COUNTY TRAFFIC ENGINEERING PER MUTCD SECTION 6A-4.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
- EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF BERNALILLO COUNTY TRAFFIC ENGINEERING.
- 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 BERNALILLO COUNTY TRAFFIC ENGINEERING. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE LETTERING ON BLUE BACKGROUND. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
- 48 HOURS PRIOR TO OCCUPYING 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 BERNALILLO COUNTY TRAFFIC ENGINEERING.
- 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.
- THE CONTRACTOR SHALL CONTACT BERNALILLO COUNTY TRAFFIC ENGINEER (848-1575) BEFORE REMOVING AND/OR INSTALLING ANY TRAFFIC SIGNS OR PERMANENT STRIPING AND MARKINGS. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, LEGENDS AND SYMBOLS ARE TO BE CONSTRUCTED OF INTERSECTION GRADE COLD PLASTIC AND LINE MARKINGS ARE TO BE CONSTRUCTED OF DURABLE PAINT IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION. ANY PAVEMENT MARKINGS AND SIGNS REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT EXISTING LOCATIONS. SUCH WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OF THE PROJECT.



SIGN POST DETAIL
SCALE: N.T.S

*ALL STREET NAME SIGNS SHALL BE WHITE LETTERS ON GREEN BACKGROUND WITH HI INTENSITY REFLECTIVE SHEETING. ALL LETTERS SHALL BE 4" FOR POSTED SPEEDS OF 25 MPH AND BELOW AND 6" FOR POSTED SPEEDS GREATER THAN 25 MPH.
**SEE MUTCD FOR MINIMUM MOUNTING HEIGHT IN RURAL AREAS

# OF POSTS	MAXIMUM SIGN SQUARE FOOTAGE
1	6
2	12
3	18

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

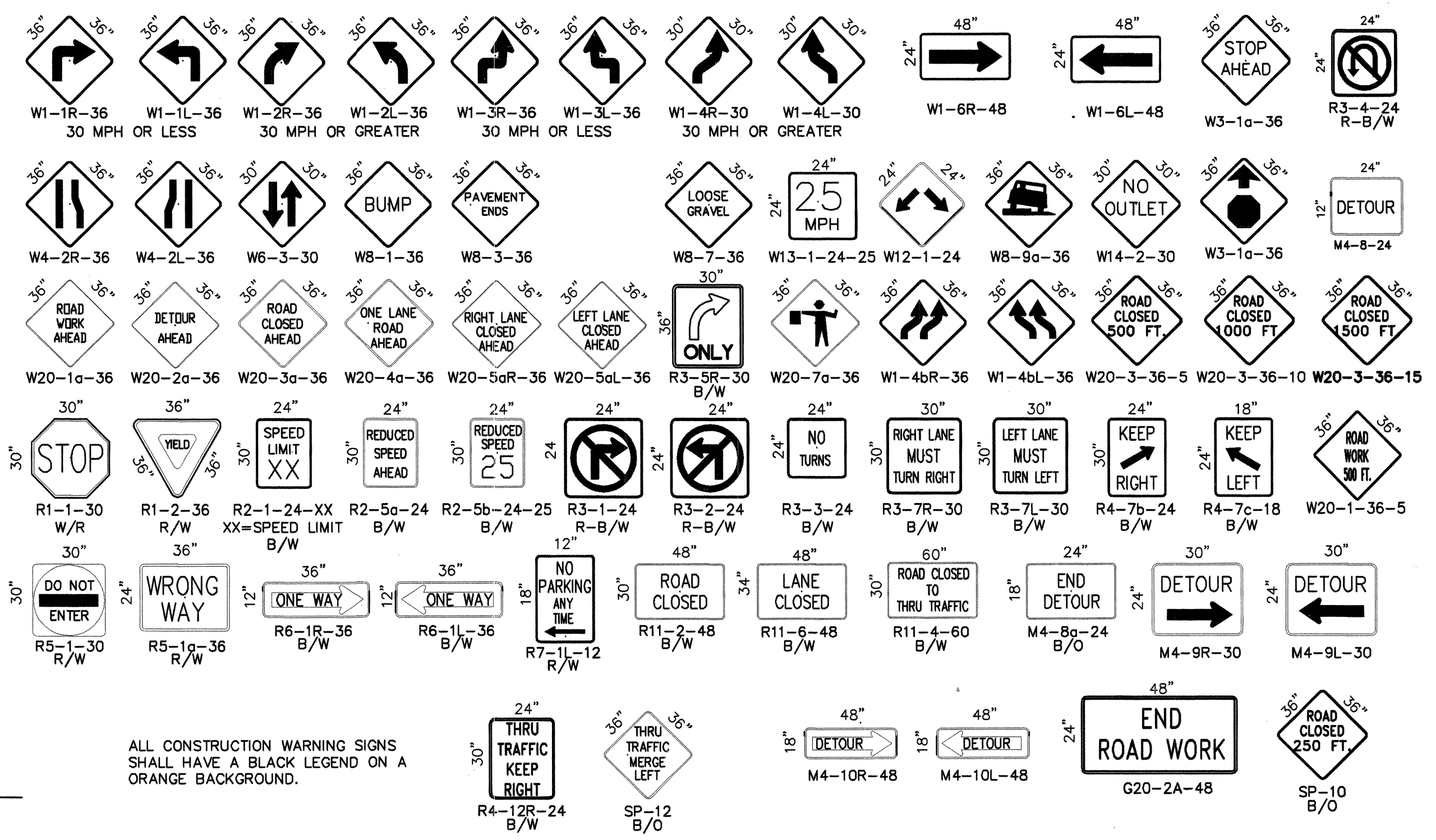
ADVANCE WARNING SIGN SERIES		
SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X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

LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR TYPE "H" DRUM W/ REFLECTIVITY III-A SHEETING
- 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

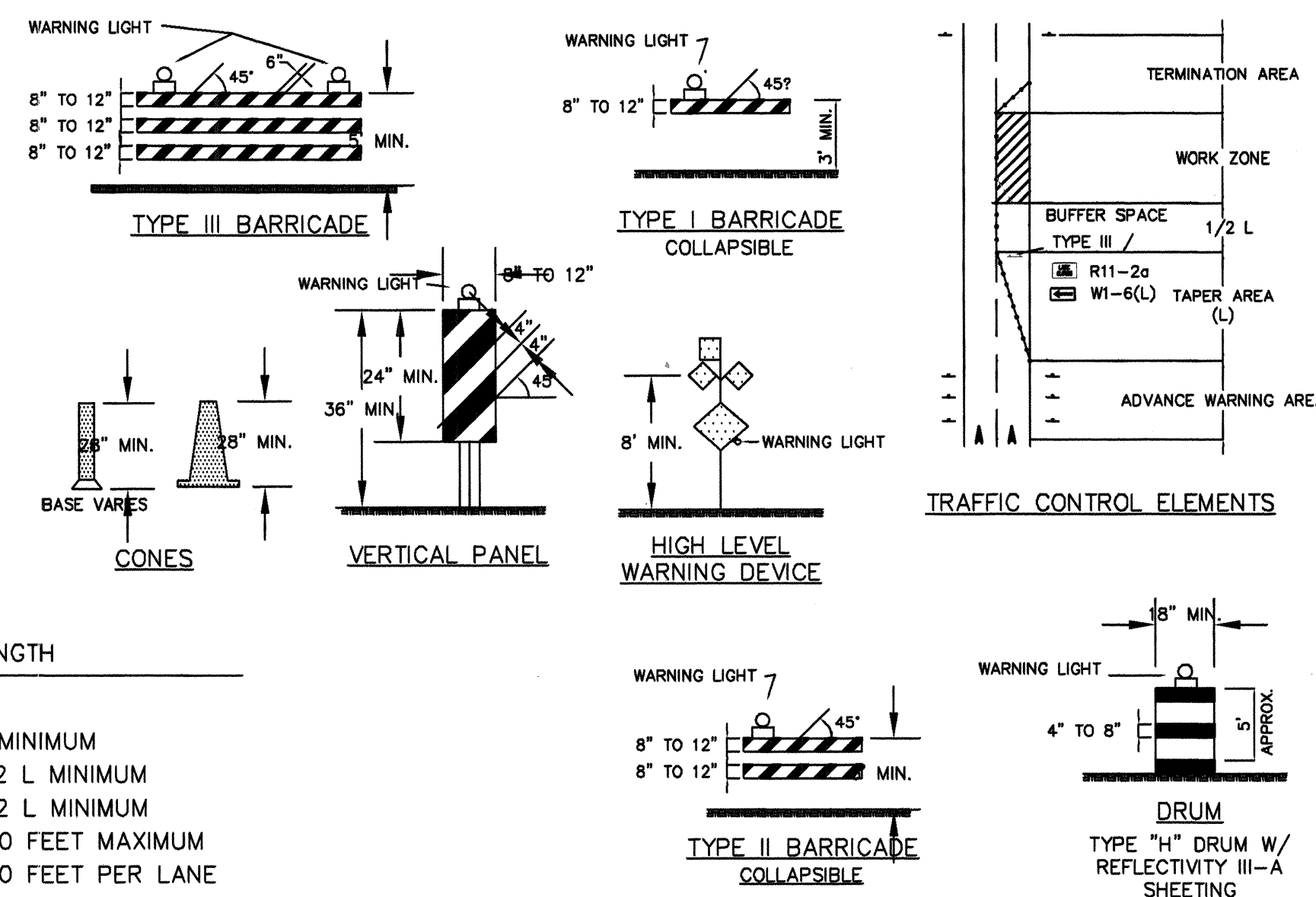
THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

SIGN FACE DETAILS



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

TAPER REQUIREMENT



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

NO.	DESCRIPTION	DATE
REVISIONS		
COUNTY OF BERNALILLO		
TYLER ROAD N.E.		
UTILITY IMPROVEMENTS		
SIGNING & CONSTRUCTION		
TRAFFIC CONTROL STANDARDS		
X		
PROJECT NO. 745683	DRAWN: COA CHECKED: COA	DATE: 07-11-07 SCALE: