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PLANNING

CONSTRUCTION PLANS FOR TIMARRON WEST UNIT 4 SUBDIVISION ALBUQUERQUE, NEW MEXICO

INDEX

SHEET NUMBER DESCRIPTION

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SHEET NUMBER DESCRIPTION

5	RED ROBIN ROAD
6	TEAL ROAD/ BLACKBIRD DRIVE
7	WOODDUCK DRIVE
8	MACAW DRIVE/ STARLING ROAD
9	114TH STREET

UTILITY PLANS

SHEET NUMBER DESCRIPTION

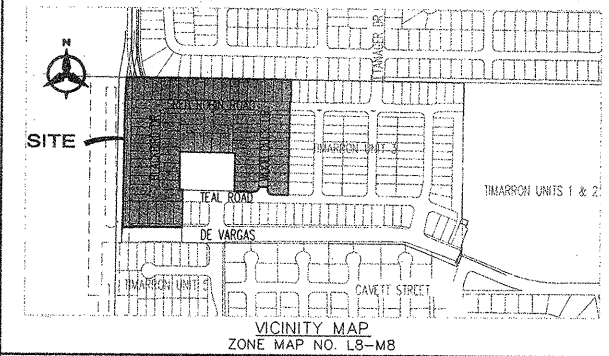
11	RED ROBIN ROAD
12	TEAL ROAD/BLACKBIRD DRIVE
13	WOODDUCK DRIVE/ PARK STORM DRAIN
14	MACAW DRIVE/ STARLING ROAD

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
2. PRIOR TO CONSTRUCTION SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
4. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NOT SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

5. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
6. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
7. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
8. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, SURFACE DISTURBANCE)
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
10. ALL PERMANENT PAVEMENT MARKING AND TRAFFIC SIGNING SHALL BE FURNISHED BY THE CONTRACTOR PER PLAN.

11. THE CONTRACTOR SHALL FOLLOW THE CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN PROVIDED HEREIN. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON ADJACENT TO EXISTING STREETS.
12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
14. ALL SAWCUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.
15. WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, A 1' WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER SHALL BE SAWCUT, REMOVED, AND REPLACED AS PER THE STANDARD SPECIFICATIONS.
16. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVE PADS, WHEELCHAIR RAMPS, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER COA STANDARDS, AT HIS OWN EXPENSE.



NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #6.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULED. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK EFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE 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 HEAR 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.
9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (957-9200) FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION THREE (3) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.

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 CITY ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☒ THE REQUESTER OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

DRB #1000475

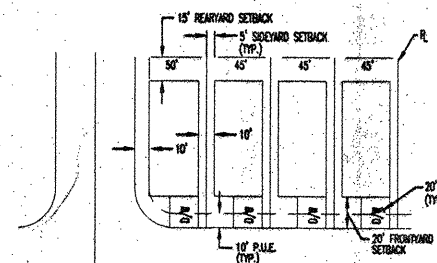
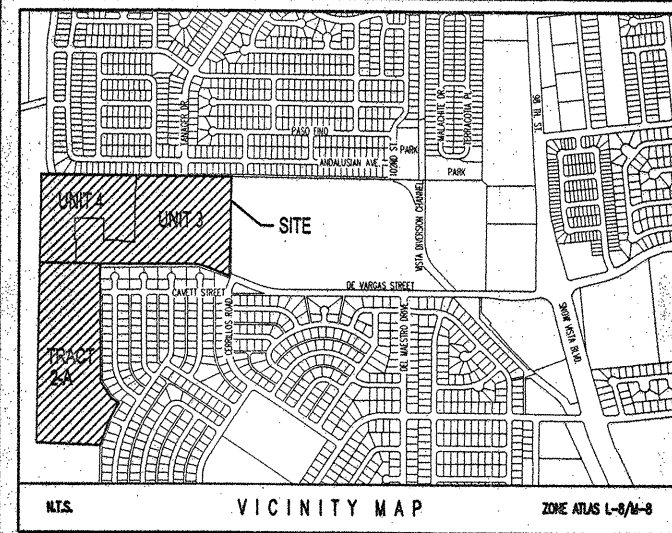
Bohannon & Huston

Courtyard One 7500 JEFFERSON NE ALBUQUERQUE NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRG Chairman	<i>[Signature]</i>	3-27-02	APPROVED FOR CONSTRUCTION		
		Transportation	<i>[Signature]</i>	1-17-02			
		Water/Wastewater	<i>[Signature]</i>	1/17/2002			
		Hydrology	<i>[Signature]</i>	1-17-02			
		Parks	<i>[Signature]</i>				
		Const. Coord.	<i>[Signature]</i>	3-27-02			
City Project No.		671683			Sheet 1 of 18		

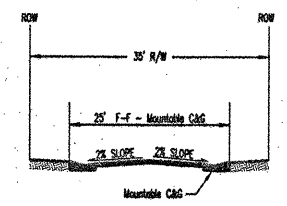
PRELIMINARY PLAT
FOR
TIMARRON WEST UNITS 3 AND 4

COMPRISED OF
PARCEL 1, TIMARON WEST UNIT 2
TRACT 2, LANDS OF GREVY/LIBERMAN
SITUATE WITHIN
THE TOWN OF ATRISCO GRANT
"PROJECTED" SECTION 32, T10N, R2E, N4M.P.M.
BERNALILLO COUNTY, NEW MEXICO
MAY, 1998

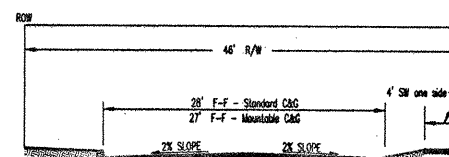


**TYPICAL LOT DETAIL
FOR SINGLE FAMILY DETACHED DWELLINGS**

NOTE:
1. FRONT, SIDE AND REAR YARD SETBACKS
ARE AS INDICATED ABOVE.
2. BUILDING HEIGHTS SHALL NOT EXCEED 26 FT.

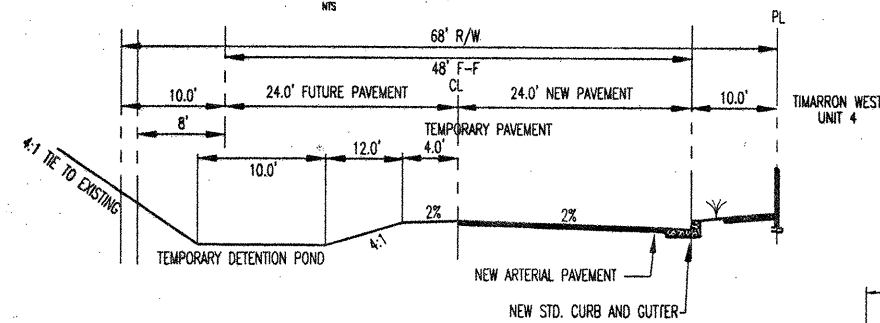


TYPICAL 35' ROW STREET SECTION



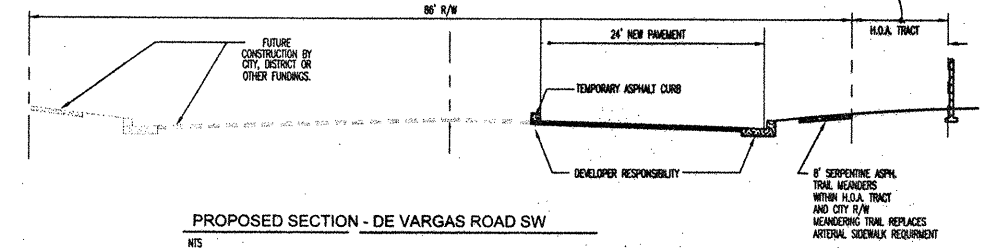
TYPICAL 40' ROW STREET SECTION

NOTE: Standard Vs. Mountable
C&G location to be
determined by Drainage



PROPOSED SECTION - 114TH STREET
MATCHES COA #549581

NTS



PROPOSED SECTION - DE VARGAS ROAD SW

BLANKET EASEMENTS

EXISTING BLANKET DRAINAGE EASEMENT ENCUMBERING
PARCEL 2 TO BE VACATED WITH THE FILING OF THIS PLAT.

A BLANKET PUBLIC STORM DRAIN EASEMENT ENCUMBERING
HOA TRACTS P&R GRANTED WITH THIS PLAT.

SITE DATA

ZONE ATLAS NO. I-8-Z/A-8-Z
 FEMA MAP NO. 3500100336 D
 ZONING SU-1 PERMISSIVE C-2 USES (15AC)
 & PRD (15 DU/AC)
 MILES OF FULL WIDTH STREETS CREATED 0.7 MILES
 NO. OF EXISTING PARCELS 2
 NO. OF LOTS CREATED 172
 NUMBER OF PARCELS CREATED (TRACT 2-A) 1
 DENSITY 4.70 DU/AC
 NO. OF H.O.A. TRACTS CREATED 5
 AREA 60.0702 ACRES

GENERAL NOTES:

1. EXISTING ZONING: SU-1 PRO 9 DU/AC
PROPOSED ZONING: NO CHANGE
PROPOSED DEVELOPMENT:
SINGLE FAMILY DETACHED RESIDENTIAL
2. PROPOSED NET ACREAGE 36.6 ACRES (UNITS 3 % 4)
NUMBER OF LOTS 172 DU
PROPOSED DENSITY 4.70 D.U./ACRE
3. TYPICAL LOT DIMENSIONS: 45'x110'
MIN/ MAX LOT DIMENSIONS: 45'x107' MIN., 65'x145' MAX.
SMALLEST MINIMUM LOT AREA: 4815 SQ. FT.
4. ALL STREETS, UTILITIES, AND STORM DRAIN IMPROVEMENTS AREA TO BE PUBLIC, AND TO BE DEDICATED TO THE CITY OF ALBUQUERQUE FOR MAINTENANCE.
5. LOT SETBACKS SHALL CONFORM TO R-7 ZONING REQUIREMENTS
6. NO INDIVIDUAL LOTS SHALL BE ALLOWED DIRECT ACCESS TO DE VARGAS ROAD OR 114TH STREET.

OWNER/DEVELOPER

CENTEX HOMES
ATTN: NORM GREGORY
6700 JEFFERSON NE. BUILDING B
ALBUQUERQUE, NEW MEXICO 87109
PHONE: (505) 761-9606

OWNER:

Tom Hovine 4-20-00
CENTEX HOMES DATE

Cohamman & Huston

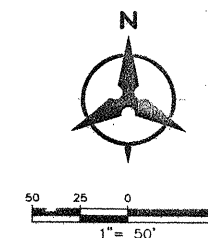
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UNIT 4 ← UNIT 3



LEGEND

- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION (GND & TC)
- EXISTING CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED STANDARD CURB & GUTTER
- EXISTING CONTOUR W/ INDEX ELEVATION
- EXISTING WATER MAIN
- EXISTING GRADE
- EXISTING TOP OF PIPE WATERLINE ELEVATION
- SWALE
- FLOW ARROW
- PROPOSED RETAINING WALL
- WATER BLOCK
- PROPOSED SLOPE
- MANDATORY DRIVEWAY LOCATION
- STORM DRAIN INLET

20' GRADE RESTRICTION AREA FOR EXISTING WATER LINE NO GRADING IN THIS AREA UNTIL EXISTING WATERLINE IS RELOCATED. CONTRACTOR WILL USE CAUTION WHEN WORKING OVER OR CROSSING EXISTING WATERLINE. DAMAGE TO WATERLINE DUE TO EARTH WORK CONSTRUCTION WILL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

PRELIMINARY
SUBJECT TO CITY REVIEW
10/16/00

Bohannon & Huston

Courtyard One 7500 JEFFERSON NE ALBUQUERQUE NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TIMARRON WEST UNIT 4
GRADING & EROSION CONTROL PLAN

Design Review Committee City Engineer Approval
FOR INFORMATION ONLY

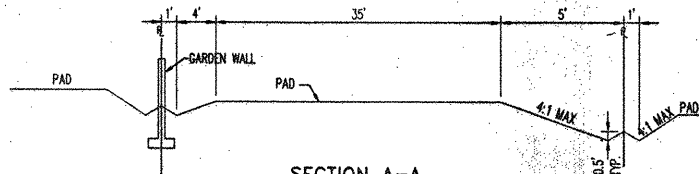
City Project No. Zone Map No. L8/M8 Sheet 2 of 3

BHI JOB NO. 99470

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Date: February 22, 2000
3A of 18

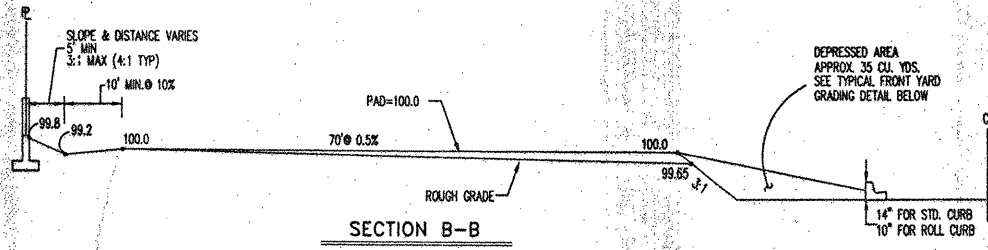
NOTE:

1. CONTRACTOR IS TO MASS GRADE ROADS TO 2' BEYOND FUTURE CURB. EXCESS FROM DRY UTILITY TRENCH IS TO BE USED TO BACK FILL BEHIND CURB.
2. FRONT YARD ARE TO BE GRADED AS SHOWN ON THIS DETAIL FOR FINAL GRADING AND CERTIFICATION THIS DETAIL TO BE COORDINATED WITH.
3. HOME BUILDER TO BRING FRONT YARD TO ULTIMATE FRONT YARD GRADES AFTER HOME CONSTRUCTION IS COMPLETED. SEE ULTIMATE FRONT YARD GRADING DETAIL ON THIS SHEET.



SECTION A-A
TYPICAL SIDEYARD SWALE

N.T.S.

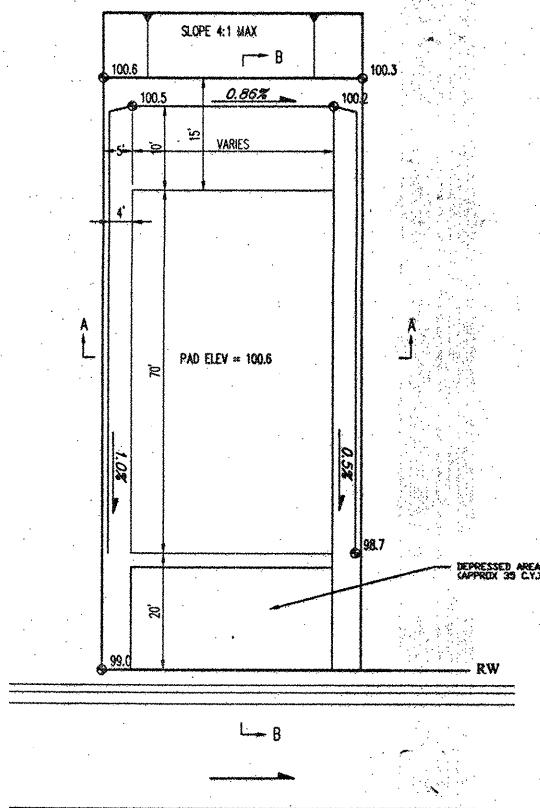


SECTION B-B
TYPICAL LOT GRADING DETAILS

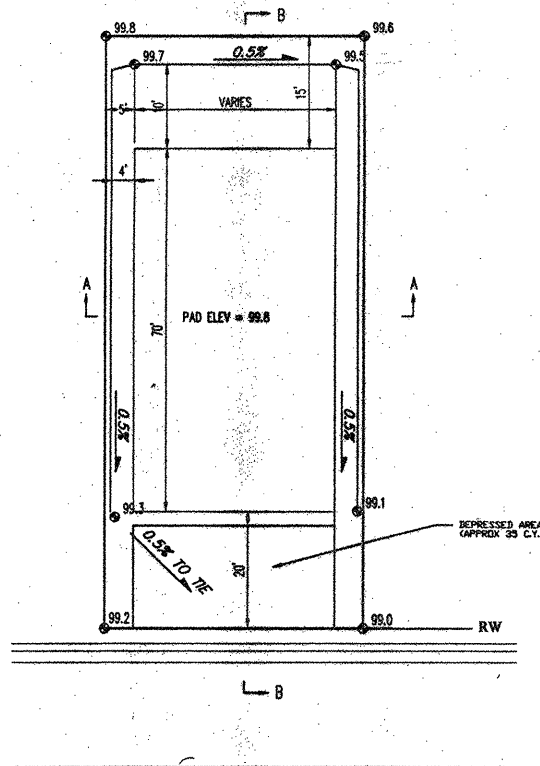
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TYPICAL LOT GRADING DETAILS

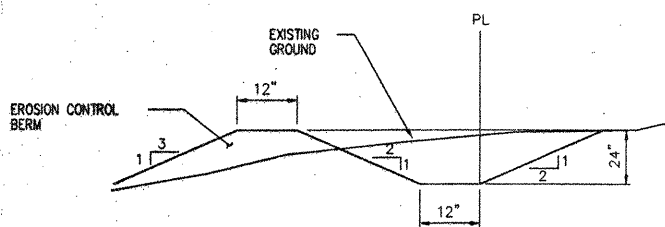
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TYPICAL HIGH SIDE LOT GRADE DETAIL



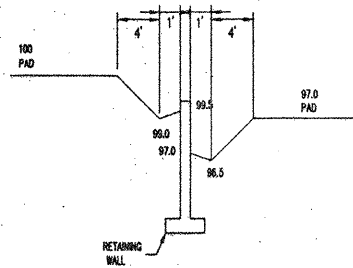
TYPICAL LOW SIDE LOT GRADE DETAIL



EROSION CONTROL PLAN

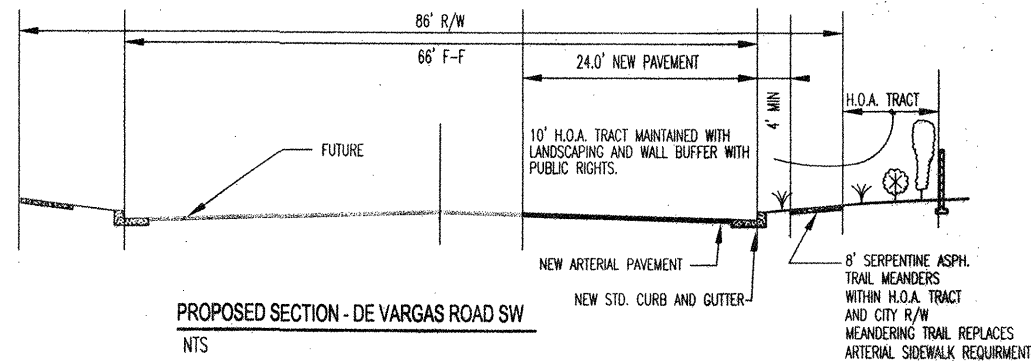
NO SCALE

1. TO PREVENT EROSION FROM THE SITE, DURING GRADING & CONSTRUCTION OPERATIONS, A BERM OF THE ABOVE DIMENSIONS SHALL BE MAINTAINED ON THE WEST WEST BOUNDARY OF THE SITE.
2. WIND EROSION SHALL BE PREVENTED BY MAINTAINING AN ADEQUATELY MOISTENED SITE.
3. AFTER CONSTRUCTION ALL SURFACES WILL BE PAVED OR LANDSCAPED TO PREVENT EROSION.
4. CONTRACTOR MUST OBTAIN A TOP SOIL DISTURBANCE PERMIT FROM ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION



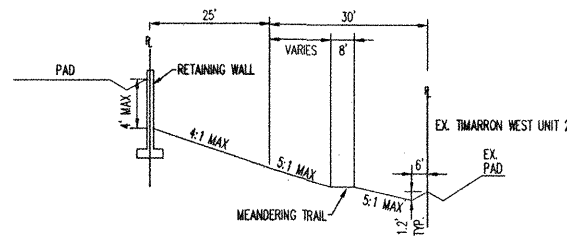
SIDE YARD RETAINING WALL DETAIL

N.T.S.



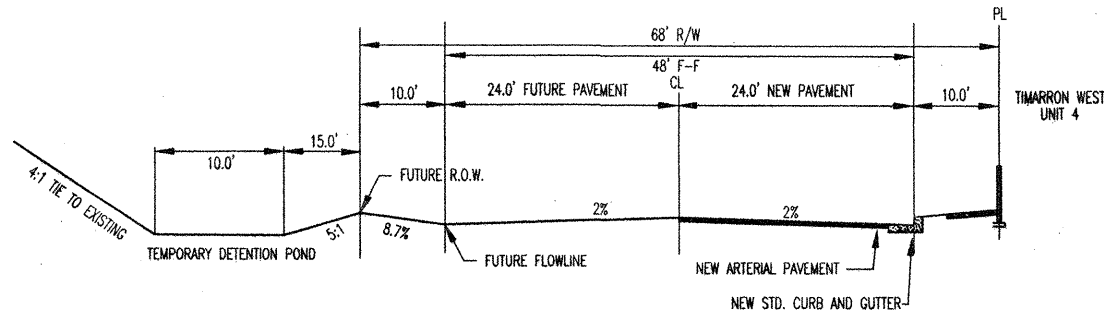
PROPOSED SECTION - DE VARGAS ROAD SW

N.T.S.



TYPICAL CROSS SECTION
EASTERN BOUNDARY
H.O.A. TRACT 'R'

N.T.S.



PROPOSED SECTION - 114TH STREET
MATCHES COA #549581

N.T.S.

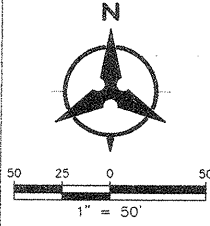
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PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TIMARRON WEST UNITS 3 & 4
GRADING DETAILS

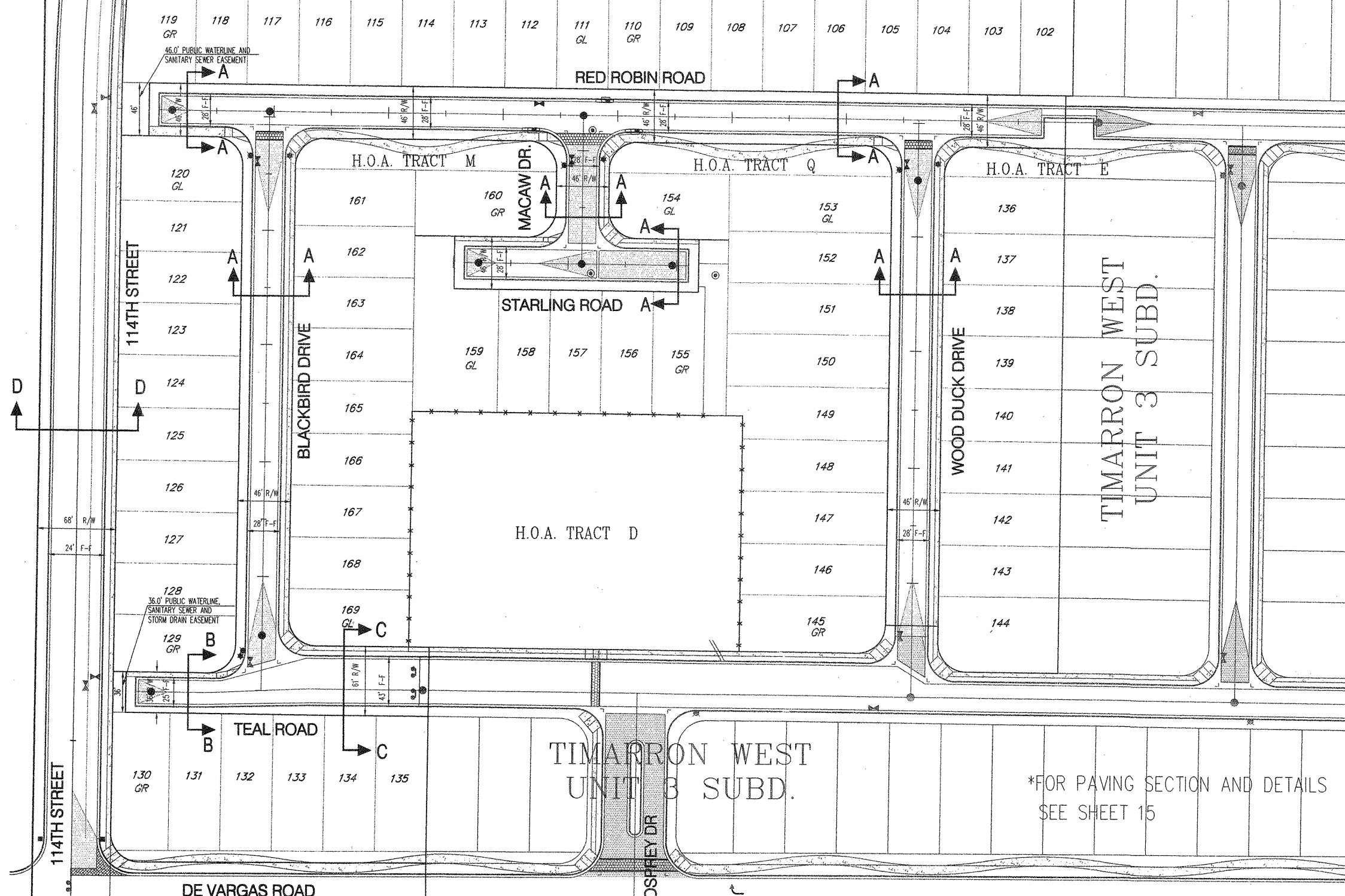
Design Review Committee	City Engineer Approval	Mo./Day/Yr.
FOR INFORMATION ONLY		
City Project No.	Zone Map No.	Sheet
	L-8/M-8	3 of 3

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EDGE OF ASPHALT
114TH STREET



- GENERAL NOTES**
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 - ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 - GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
 - CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 - ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 - CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 - ANY DAMAGE TO THE EXISTING FACILITIES, (C&G), PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - REMOVAL OF THE EXISTING C&G SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
 - WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
 - DENOTES CROWN TRANSITION PER COA STD. DWG. 2401.
 - FOR CURB RETURN & QUARTER POINT ELEV INFO REFER TO INDIVIDUAL PAVING SHEETS.
 - MH RIMS & CATCH BASIN INLET ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT ELEVATIONS.
 - CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND TRANSMISSION GAS LINES. CONTRACTOR SHALL COORDINATE RELOCATION OF UTILITY LINES WITH UTILITY COMPANIES AS REQUIRED.

LEGEND

- EXISTING R/W LINE
- EXISTING CURB & GUTTER
- PROPOSED R/W LINE
- PROPERTY LINE
- PROPOSED CURB & GUTTER
- PROPOSED PHASE BOUNDARY
- EASEMENT
- PROPOSED STREET LIGHT
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED FIRE HYDRANT
- PROPOSED MAIN VALVE
- PROPOSED SAS MANHOLE

AS-BUILT INFORMATION	
CONTRACTOR	DATE
STATED BY	DATE
ACCEPTANCE BY	DATE
FIELD CHECK BY	DATE
REVISIONS BY	DATE
RECORDED BY	DATE

SURVEY INFORMATION	
NO.	DATE
BY	

ENGINEER'S SEAL

REVISIONS	
No.	Date
1	12/06/01
2	12/06/01
3	12/06/01

Bohannon & Huston
Countywide One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TIMARRON WEST UNIT 4 SUBDIVISION
OVERALL PAVING PLAN

APPROVED
MAR 27 2002
DESIGN REVIEW COMMITTEE

APPROVED
APR 11 2002
CITY ENGINEER

City Project No. 671683 Zone Map No. L8,M8 Sheet 4 Of 18

P:\99470\cdp\general\unit_4\99470_40PAV.dwg
16-MAR-2002 16:49

P:\99470\CDP\GENERAL\UNIT_4\99470_40PAV.DWG

ID	BEARING	LENGTH
11	S89°22'37"E	96.24'
12	S89°22'37"E	274.00'
13	S89°22'37"E	293.00'
14	S89°22'37"E	127.60'

10+57.24, 14.00' RT PC CURB RETURN FLOWLINE DATA		
PC	PT	PT
02.38	02.25	02.25
02.17	02.17	02.17
02.16	02.16	02.16
02.20	02.20	02.20

11+10.24, 39.00' RT PC CURB RETURN FLOWLINE DATA		
PC	PT	PT
01.77	01.60	01.60
01.39	01.39	01.39
01.13	01.13	01.13
00.82	00.82	00.82

13+31.24, 14.00' RT PC CURB RETURN FLOWLINE DATA		
PC	PT	PT
02.87	02.44	02.44
02.21	02.21	02.21
02.19	02.19	02.19
02.36	02.36	02.36

13+84.24, 39.00' RT PC CURB RETURN FLOWLINE DATA		
PC	PT	PT
01.36	00.93	00.93
00.46	00.46	00.46
00.95	00.95	00.95
00.40	00.40	00.40

16+24.24, 14.00' RT PC CURB RETURN FLOWLINE DATA		
PC	PT	PT
79.63	79.17	79.17
78.91	78.91	78.91
78.87	78.87	78.87
79.04	79.04	79.04

16+77.24, 39.00' RT PC CURB RETURN FLOWLINE DATA		
PC	PT	PT
78.19	77.69	77.69
77.18	77.18	77.18
76.84	76.84	76.84
76.08	76.08	76.08

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Bohannon & Huston

Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

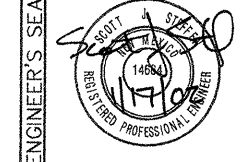
**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

**TIMARRON WEST UNIT 4 SUBDIVISION
PAVING PLAN AND PROFILE
RED ROBIN ROAD**

Design Review Committee APPROVED MAR 27 2002 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED APR 11 2002 CITY ENGINEER	Mo./Day/Yr. Mo./Day/Yr.
--	---	----------------------------

City Project No. **671683** Zone Map No. **L8, M8** Sheet **5** Of **18**

DECEMBER 2001



REVISIONS	By	Date
DESIGN	SJS	12/10/01
	BJG	12/10/01
	SJS	12/10/01

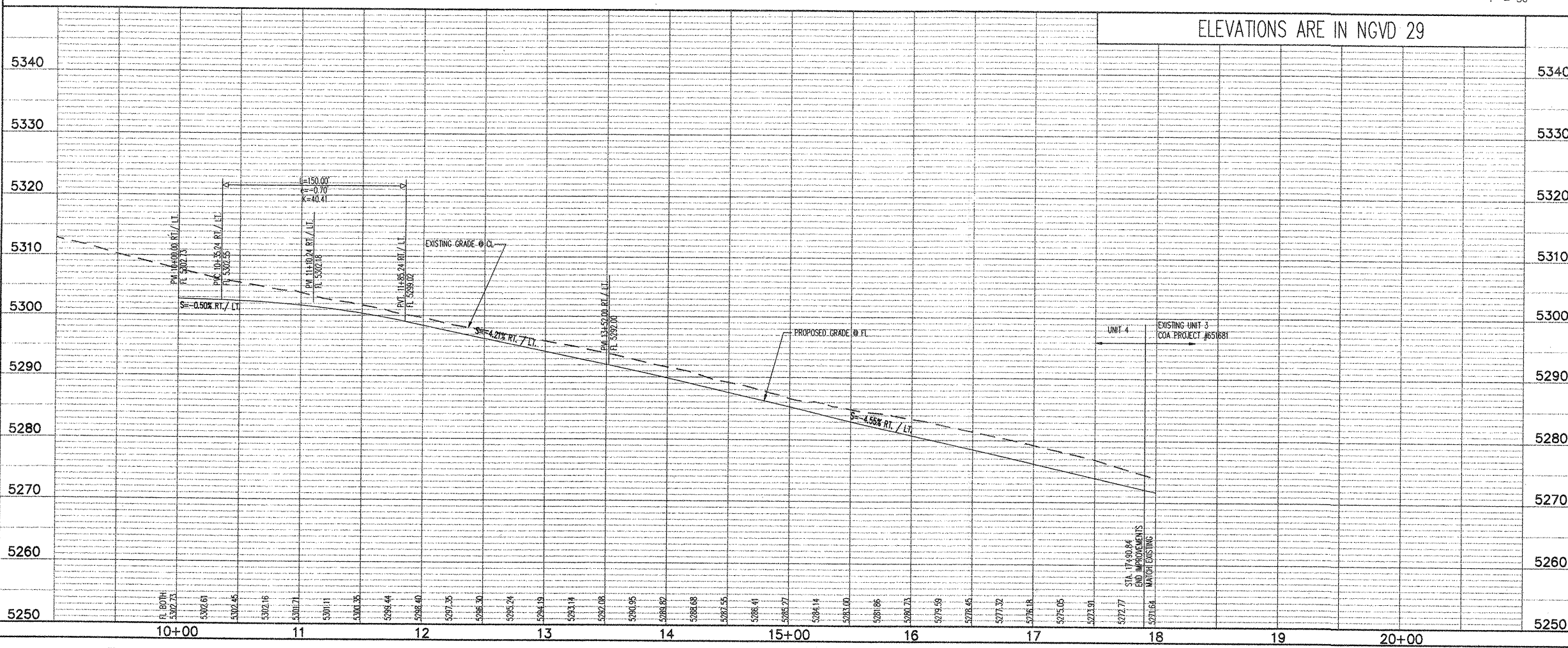
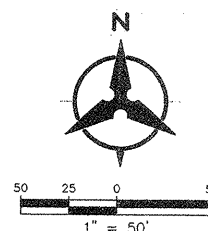
Mo./Day/Yr.	Mo./Day/Yr.

Mo./Day/Yr.	Mo./Day/Yr.

DECEMBER 2001

RED ROBIN ROAD

ELEVATIONS ARE IN NGVD 29

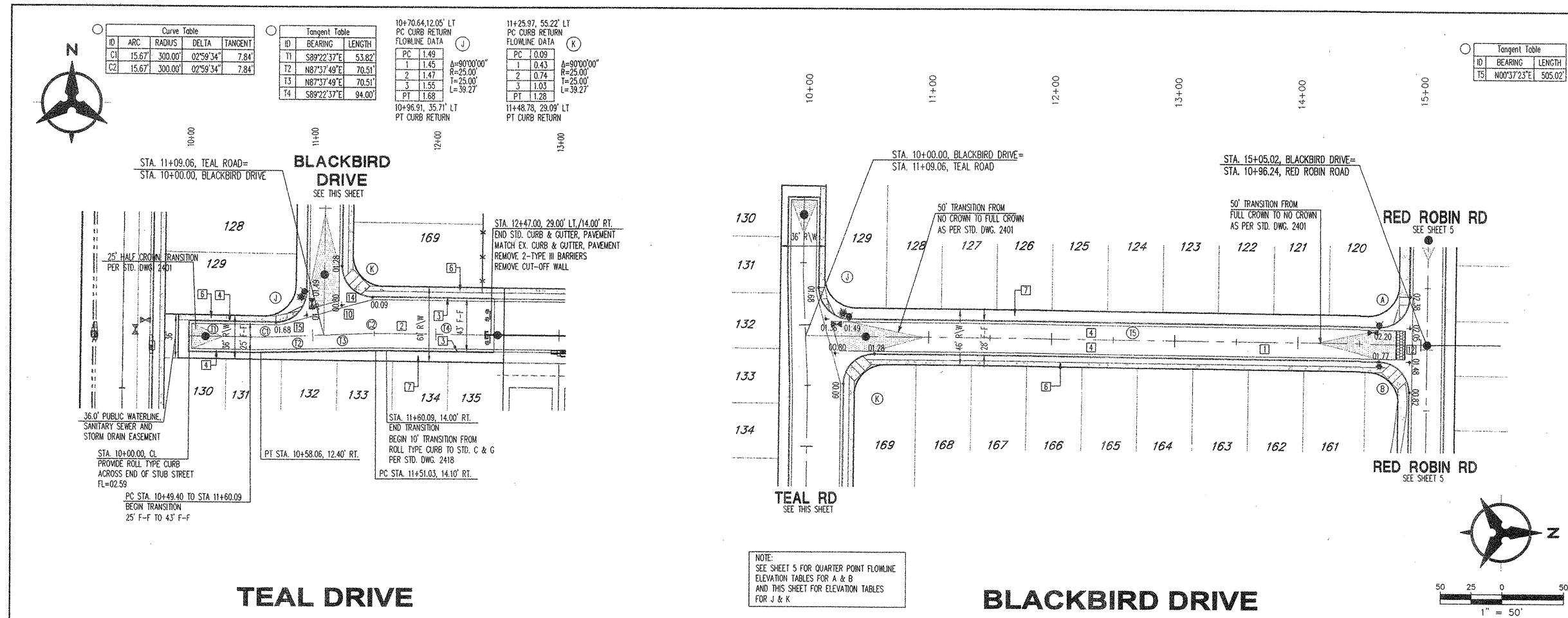


P:\99470\CDP\PNP\UNIT4\99470PPNP04-4.DWG

99470

SCALE: 1" = 50'(HORIZ.)
1" = 10'(VERT.)

SCANNED BY
PLANNING



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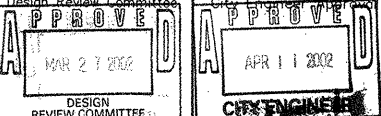
Bohannon & Huston

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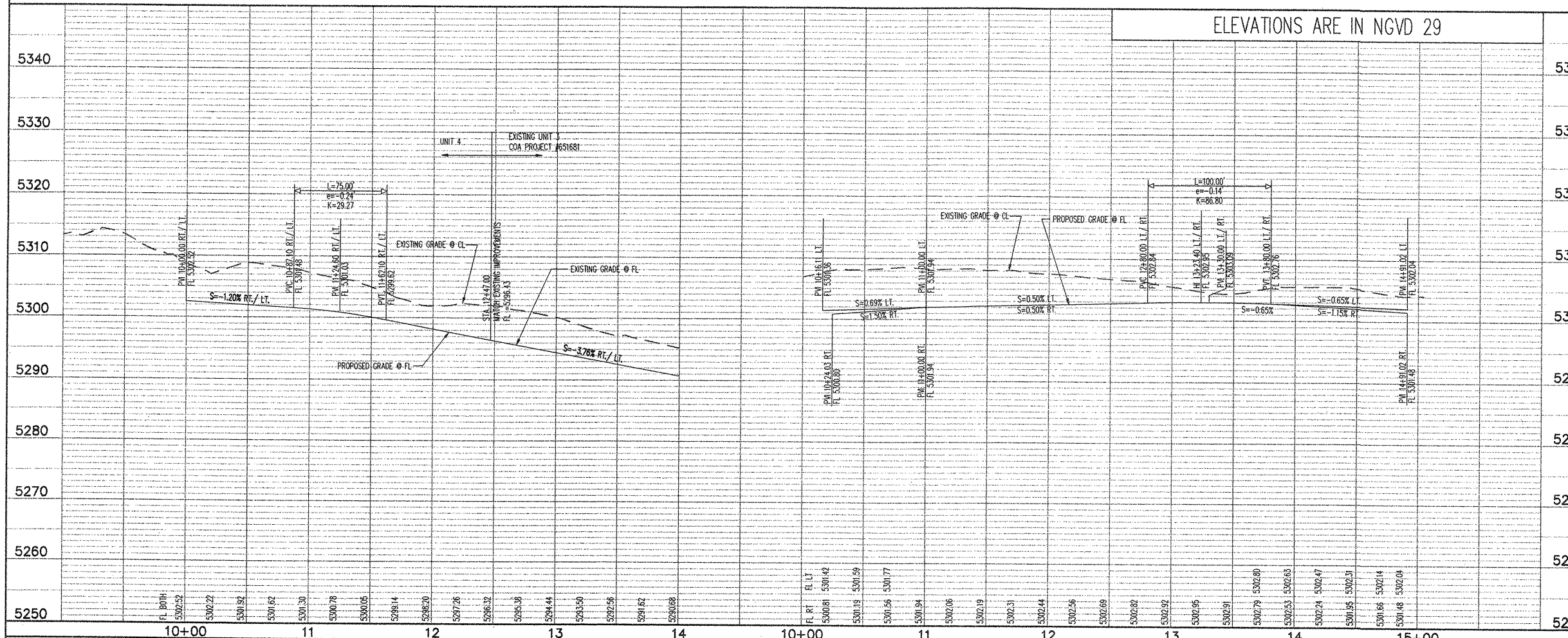
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

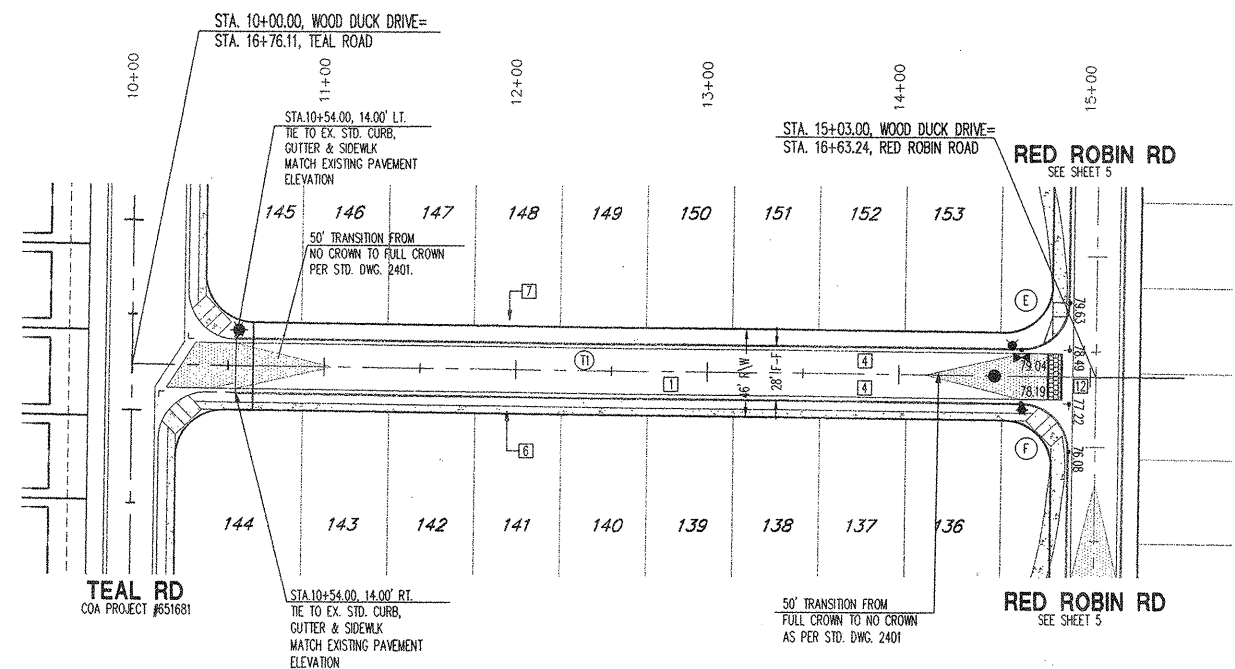
**TIMARRON WEST UNIT 4 SUBDIVISION
PAVING PLAN AND PROFILE
TEAL DRIVE AND BLACKBIRD DRIVE**



City Project No. 671683 Zone Map No. L8, M8 Sheet 6 Of 18

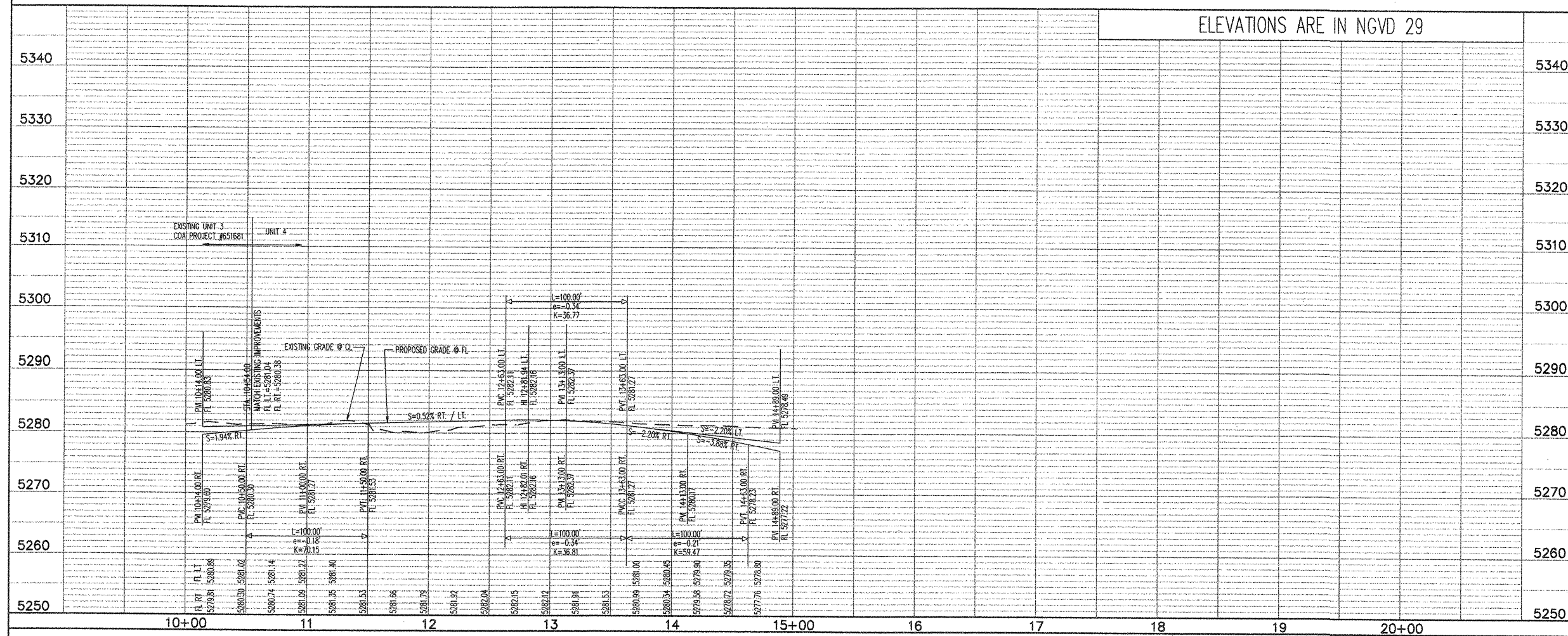


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PLANNING



WOOD DUCK DRIVE

ELEVATIONS ARE IN NGVD 29



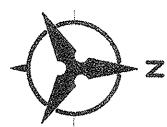
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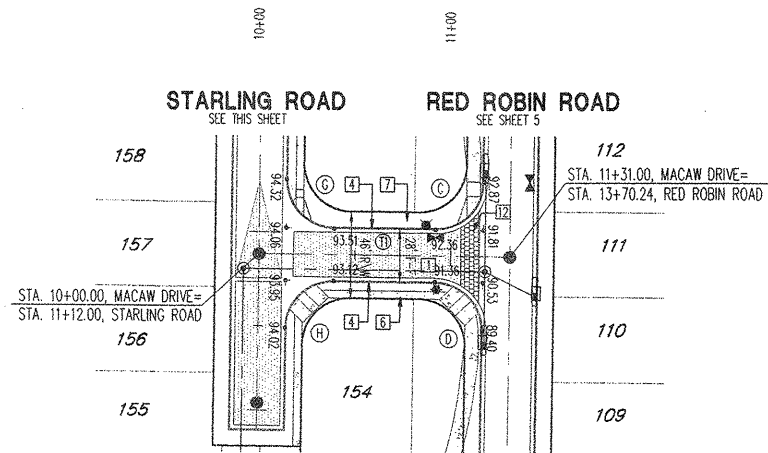
Bohannon & Huston
Courtney One 7500 JEFFERSON NE ALBUQUERQUE NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TIMARRON WEST UNIT 4 SUBDIVISION
PAVING PLAN AND PROFILE
WOOD DUCK DRIVE

Design Review Committee APPROVED MAR 27 2002	City Engineer Approval APPROVED APR 11 2002	Mo./Day/Yr. Mo./Day/Yr.
City Project No. 671683	Zone Map No. L8, M8	Sheet 7 Of 18



Tangent Table		
ID	BEARING	LENGTH
1	N00°37'23"E	131.00'



NOTE:
SEE SHEET 5 FOR QUARTER POINT
FLOWLINE ELEVATION TABLES
FOR C & D AND THIS SHEET FOR C & H

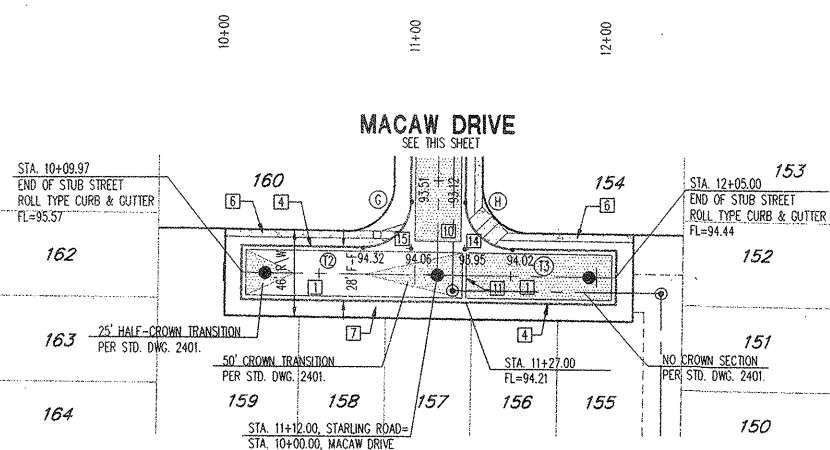
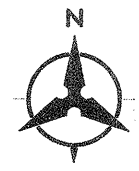
NOTE:
CONSTRUCT MACAW DRIVE
WITH NO CROWN SECTION
PER STD. DWG. 2401.

MACAW DRIVE

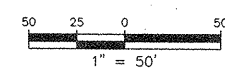
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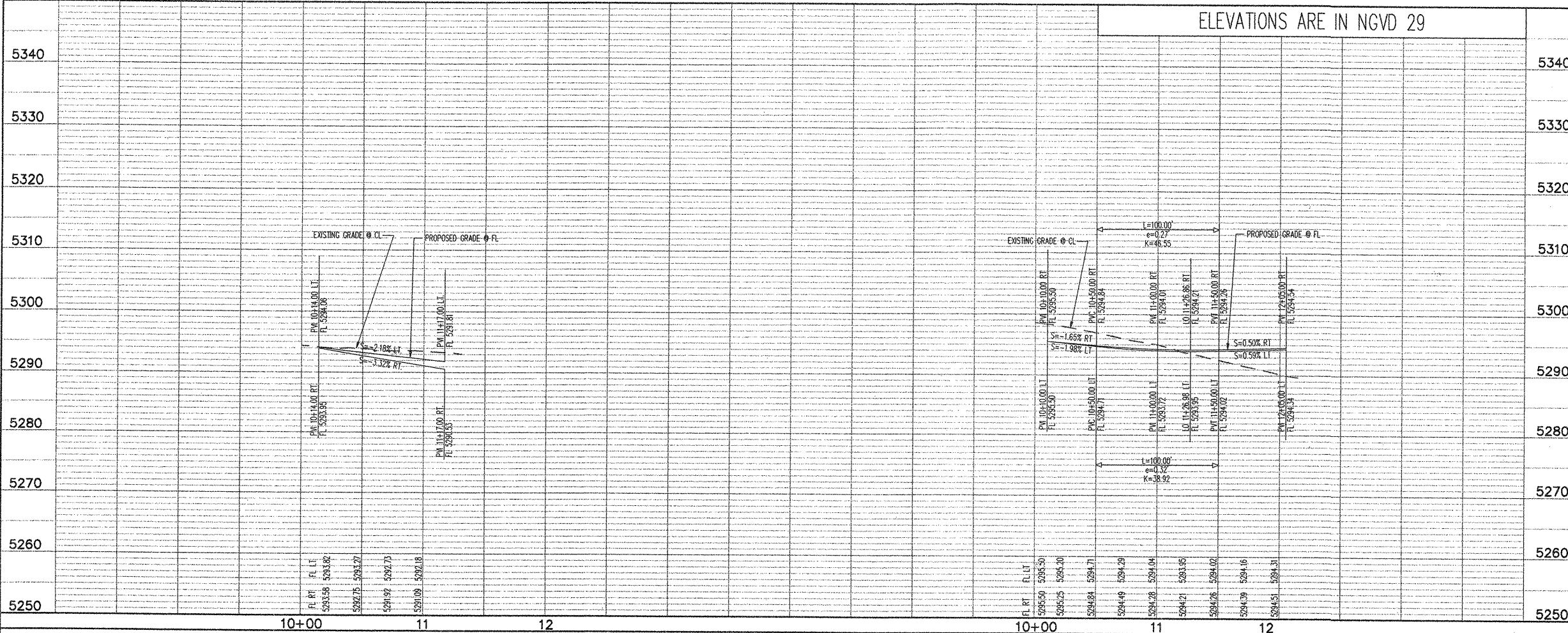
Tangent Table		
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1	N00°37'23"E	131.00'



STARLING ROAD



ELEVATIONS ARE IN NGVD 29



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Bohannon & Huston

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ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TIMARRON WEST UNIT 4 SUBDIVISION
PAVING PLAN AND PROFILE
MACAW ROAD AND STARLING ROAD

DESIGN REVIEW COMMITTEE	CITY ENGINEER
APPROVED	APPROVED
DATE: 2/7/2002	DATE: 4/11/2002

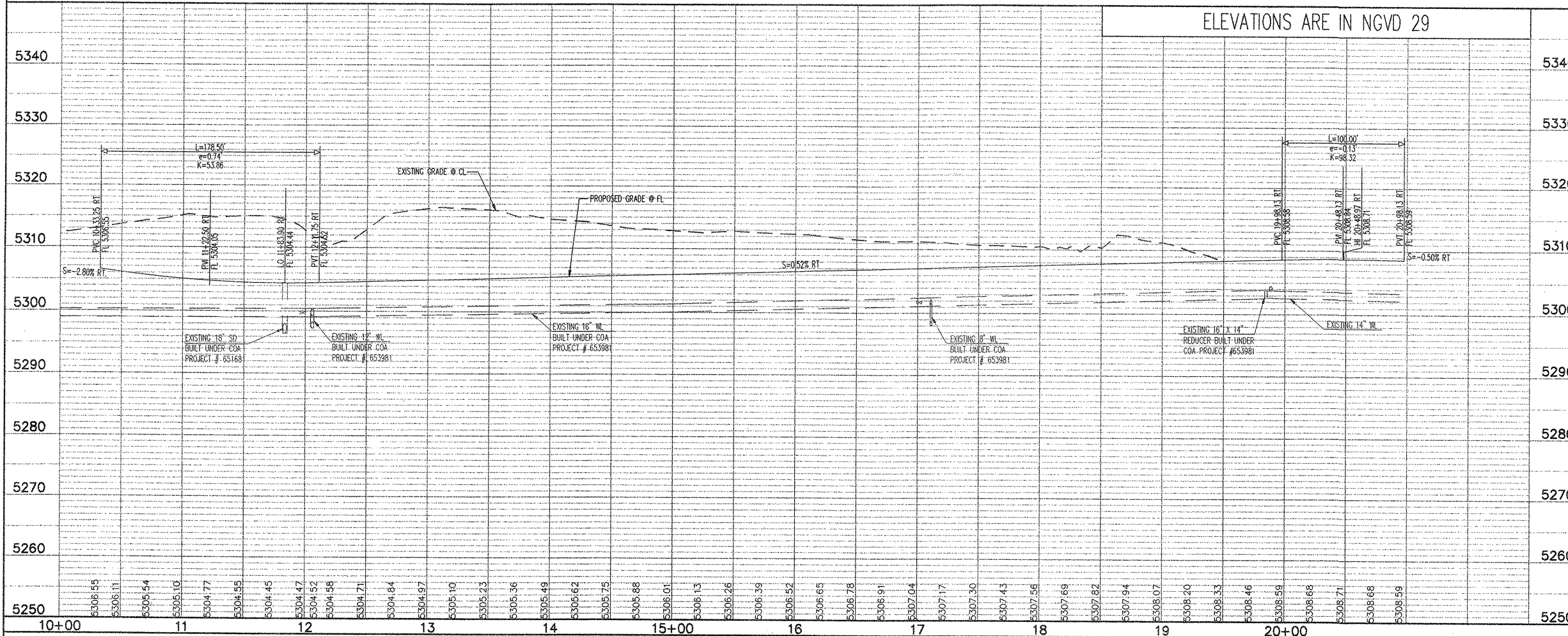
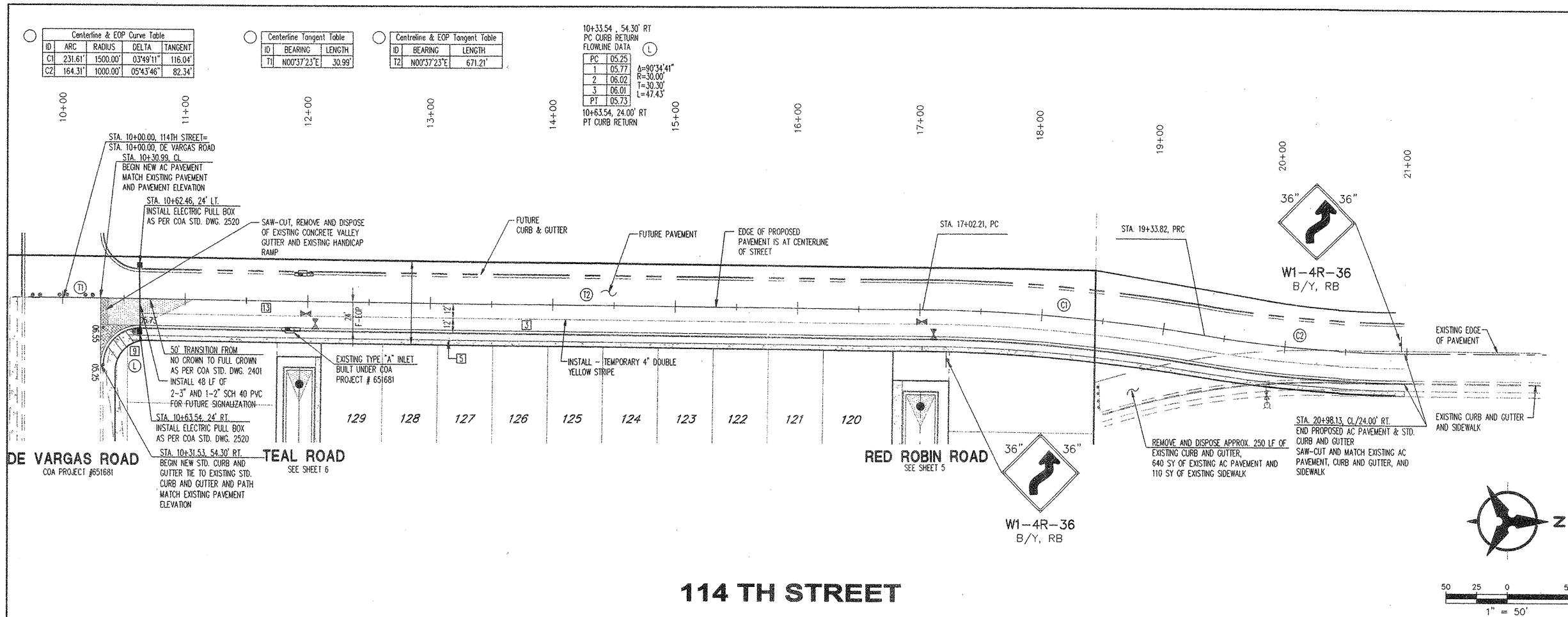
City Project No. **671683** Zone Map No. **L8, M8** Sheet **8** Of **18**

AS-BUILT INFORMATION			
CONTRACTOR	DATE	CONTRACTOR	DATE
INSPECTOR	DATE	INSPECTOR	DATE
FIELD BY	DATE	FIELD BY	DATE
REVISION BY	DATE	REVISION BY	DATE
CORRECTED BY	DATE	CORRECTED BY	DATE
RECORDED BY	DATE	RECORDED BY	DATE
NO.		NO.	

BENCH MARKS			
BM 3.1/4" Alum. cap. stamped 8-18, 1989	DATE	BM 3.1/4" Alum. cap. stamped 8-18, 1989	DATE
0.52 miles south of Central Ave. east side of Powerline		0.52 miles south of Central Ave. east side of Powerline	
Channel, on top of drainage structure		Channel, on top of drainage structure	
Geographic Position (NAD 27), in feet		Geographic Position (NAD 27), in feet	
NAD State Plane Coordinates (Central Zone)		NAD State Plane Coordinates (Central Zone)	
X = 346,973.32 Y = 1,477,645.64		X = 346,973.32 Y = 1,477,645.64	
Ground-Grid Factor = 0.99996039		Ground-Grid Factor = 0.99996039	
Elevation = 5,883.906 NGVD 29, in feet		Elevation = 5,883.906 NGVD 29, in feet	

SURVEY INFORMATION			
FIELD NOTES	DATE	FIELD NOTES	DATE
BY		BY	
NO.		NO.	

ENGINEER'S SEAL			
REGISTERED PROFESSIONAL ENGINEER	DATE: 12/10/01	REGISTERED PROFESSIONAL ENGINEER	DATE: 12/10/01
REVISIONS	DATE: 12/10/01	REVISIONS	DATE: 12/10/01
DESIGN	DATE: 12/10/01	DESIGN	DATE: 12/10/01



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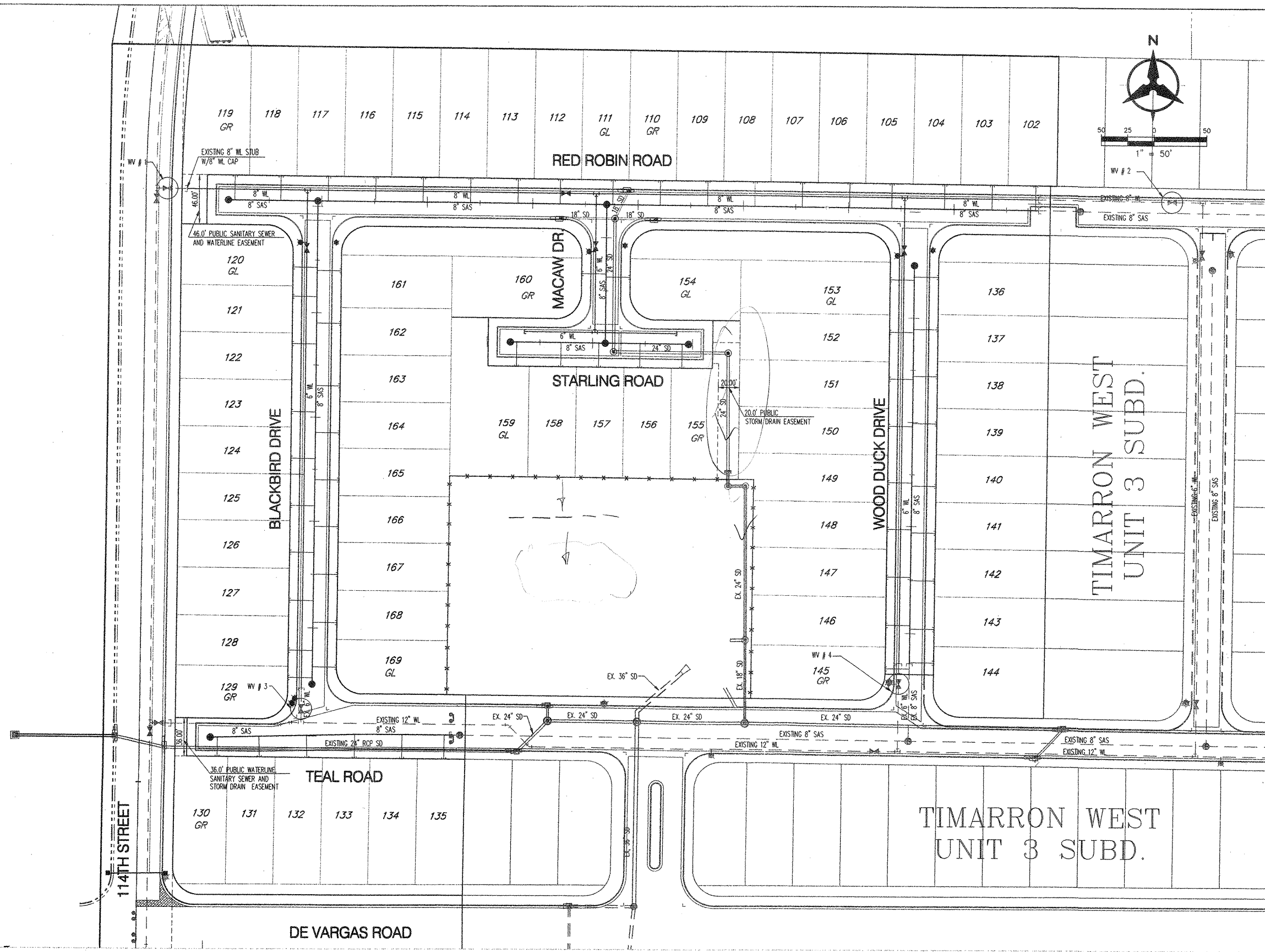
**TIMARRON WEST UNIT 4 SUBDIVISION
PAVING PLAN AND PROFILE
114TH STREET**

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVE	APPROVE		
DESIGN REVIEW COMMITTEE	CITY ENGINEER		

City Project No. 671683 Zone Map No. L8, M8 Sheet 9 Of 18

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	MARK	DATE	NO.	DATE	REMARKS	By
STATIONED BY	DATE	Channel, on top of drainage structure	DATE	BY	DATE	DESIGN	No.
FIELD	DATE	Geographic Position (NAD 27), in feet	DATE		DATE	REVISIONS	Date
DRAWN BY	DATE	NAD State Plane Coordinates (Central Zone)	DATE		DATE	DESIGN	Date
CHECKED BY	DATE	X = 346,973.32 Y = 1,477,645.64	DATE		DATE	DESIGN	Date
RECORDED BY	DATE	Ground-to-Grid Factor = 0.9996633	DATE		DATE	DESIGN	Date
	DATE	Elevation = 5383.906 NGVD 29, in feet	DATE		DATE	DESIGN	Date

SCANNED BY
PLANNING



RESTRAINED JOINT TABLE

FITTING	LENGTH TO BE RESTRAINED	
	(6")	(8")
VALVE/DEAD END	55'	75'
6"x6" TEE	4'	---
8"x8" TEE	1'	10'
11.25" VERTICAL BEND (UPPER)	2'	---
11.25" VERTICAL BEND (LOWER)	5'	---

- NOTE:
- ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
 - THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS, UNLESS SPECIFIED DIFFERENTLY IN THE PLANS. ALL PIPE JOINTS WITHIN 20 LF OF A.M.J. SHALL BE RESTRAINED AT THE CONTRACTOR'S EXPENSE.
 - THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE ACCOMPANYING TABLE.
 - THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.

MATERIALS:

SAS LINE: SDR-35 PVC
WATER LINE: C900-PVC

WATER SHUT-OFF PLAN:

FOR CONNECTION VALVE CLOSED
6" BLACKBIRD WV #1, WV #2, WV #3, WV #4
6" WOOD DUCK WV #1, WV #2, WV #3, WV #4
8" RED ROBIN WV #1, WV #2, WV #3, WV #4

CONTRACTOR WILL BE RESPONSIBLE FOR FLUSHING, DISINFECTING, AND TESTING THE LINES AS REQUIRED BY THE CITY OF ALBUQUERQUE (COA).

WATER SHUT-OFF REQUIREMENTS:

CONTRACTOR WILL BE RESPONSIBLE FOR THE TIMING AND COORDINATION OF THE WATER SHUT-OFF REQUIREMENTS IN CONJUNCTION WITH THE COMPLETION OF CONNECTIONS. AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT CITY OF ALBUQUERQUE (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUT-OFF PLAN. CONTRACTOR SHALL NOT OPERATE VALVES ON THE PROJECT.

GENERAL NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURVE DATA AND DIMENSIONS ARE CALCULATED FROM CENTERLINE OF PIPE OR MANHOLE. ALL SAS & SD SLOPES ARE CALCULATED TO TRUE PIPE DIMENSIONS FROM INVERT TO INVERT. (PAY ITEMS ARE SHOWN IN PARENTHESES)
- GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS WITH THE PROPOSED TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- MH RIMS & CATCH BASIN INLET ELEVATIONS, VALVE BOXES, ARV, FIRE HYDRANT & FLANGE ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT GRADES.
- SAS STATIONING FOLLOWS CL OF ROAD UNLESS OTHERWISE NOTED.
- STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRATE AT FACE OF CURB.
- FOR STORM DRAIN CONSTRUCTION: ALL RCP JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION SHALL DETERMINE WHICH JOINTS ARE TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

LEGEND

---	PROPERTY LINE
---	NEW EASEMENT
---	SAS EXISTING SANITARY SEWER
---	W EXISTING WATER LINE
---	EXISTING STORM DRAIN
---	EXISTING WATER METER
---	EXISTING CAP
---	EXISTING VALVE
---	EXISTING FIRE HYDRANT
---	EXISTING SANITARY SEWER MANHOLE
---	EXISTING STORM DRAIN
GL / GR	GARAGE LEFT/RIGHT
SAS	PROPOSED SANITARY SEWER
WL	PROPOSED WATER LINE
V	PROPOSED VALVE
H	PROPOSED HYDRANT
C	PROPOSED CAP
WM	PROPOSED WATER METER
SM	PROPOSED SANITARY SEWER MANHOLE
SD	PROPOSED STORM DRAIN
*	PROPOSED STREET LIGHT

Bohannon & Huston

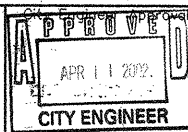
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS



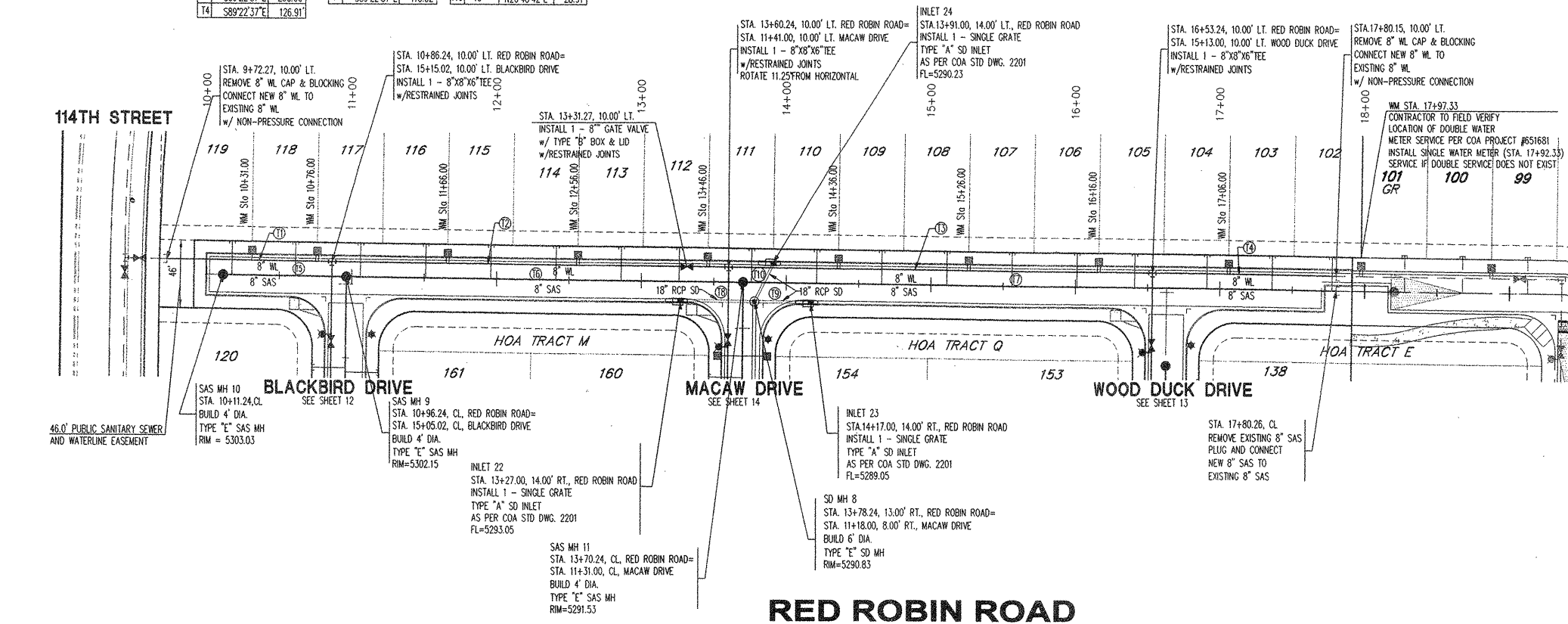
**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

**TIMARRON WEST UNIT 4 SUBDIVISION
OVERALL UTILITY PLAN**



City Project No.	671683	Zone Map No.	L8,M8	Sheet	10	Of	18
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Water Tangent Table			Sanitary Sewer Tangent Table			Storm Drain Tangent Table		
ID	BEARING	LENGTH	ID	BEARING	LENGTH	ID	SIZE	BEARING
11	S89°22'37"E	113.97'	15	S89°22'37"E	85.00'	18	18"	S89°18'45"E
12	S89°22'37"E	274.00'	16	S89°22'37"E	274.00'	19	18"	N89°27'43"W
13	S89°22'37"E	293.00'	17	S89°22'37"E	410.02'	20	18"	N26°48'42"E
14	S89°22'37"E	126.91'						



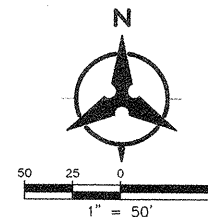
SANITARY SEWER SERVICES			
LOT No.	SAS STATION & OFFSET	SAS LENGTH	INV. @ PLUG (W/RISE)
102	17+77.33	23.00'	5266.94
103	17+36.00	23.00'	5269.42 (1.0')
104	16+91.00	23.00'	5271.35 (1.0')
105	16+41.00	23.00'	5273.50 (1.0')
106	16+01.00	23.00'	5275.21 (1.0')
107	15+56.00	23.00'	5277.14 (1.0')
108	15+11.00	23.00'	5279.07 (1.0')
109	14+66.00	23.00'	5282.42 (3.0')
110	14+21.00	23.00'	5284.35 (3.0')
111	13+76.00	23.00'	5286.28 (3.0')
112	13+26.00	23.00'	5288.75 (4.0')
113	12+86.00	23.00'	5290.42 (5.0')
114	12+41.00	23.00'	5292.02 (5.0')
115	11+96.00	23.00'	5293.85 (5.0')
116	11+51.00	23.00'	5294.03 (2.0')
117	11+06.00	23.00'	5295.63 (3.0')
118	10+61.00	23.00'	5296.16 (1.0')
119	10+17.37	23.00'	5297.04

GENERAL NOTES

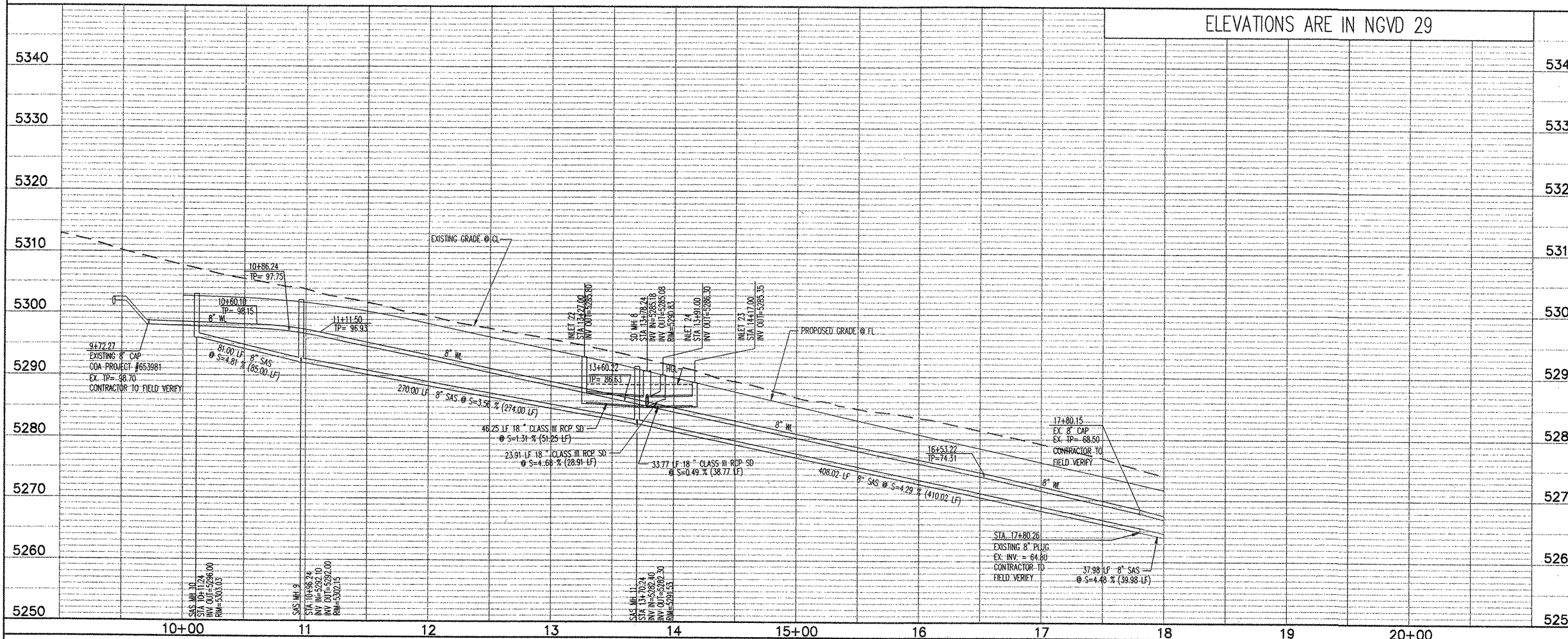
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- ALL WATERLINE APPURTENANCES SHALL USE RESTRAINED JOINTS, REFER TO TABLES LISTED ON OVERALL UTILITY SHEET 14.
- FOR STORM DRAIN CONSTRUCTION: ALL RCP JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION SHALL DETERMINE WHICH JOINTS ARE TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

LEGEND

- DOUBLE WATER METER
- SINGLE WATER METER
- WL AIR RELEASE VALVE
- WATER LINE SHUTOFF VALVE
- WATER LINE TEE
- SAS LATERAL
- SAS MANHOLE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- PROPOSED FIRE HYDRANT
- EXISTING WATER VALVE
- PROPOSED STREET LIGHT



ELEVATIONS ARE IN NGVD 29



P:\99470\CDP\PNP\UNIT4\99470UPNP04-4.DWG

99470.

SCALE: 1" = 50'(HORIZ.)
1" = 10'(VERT.)

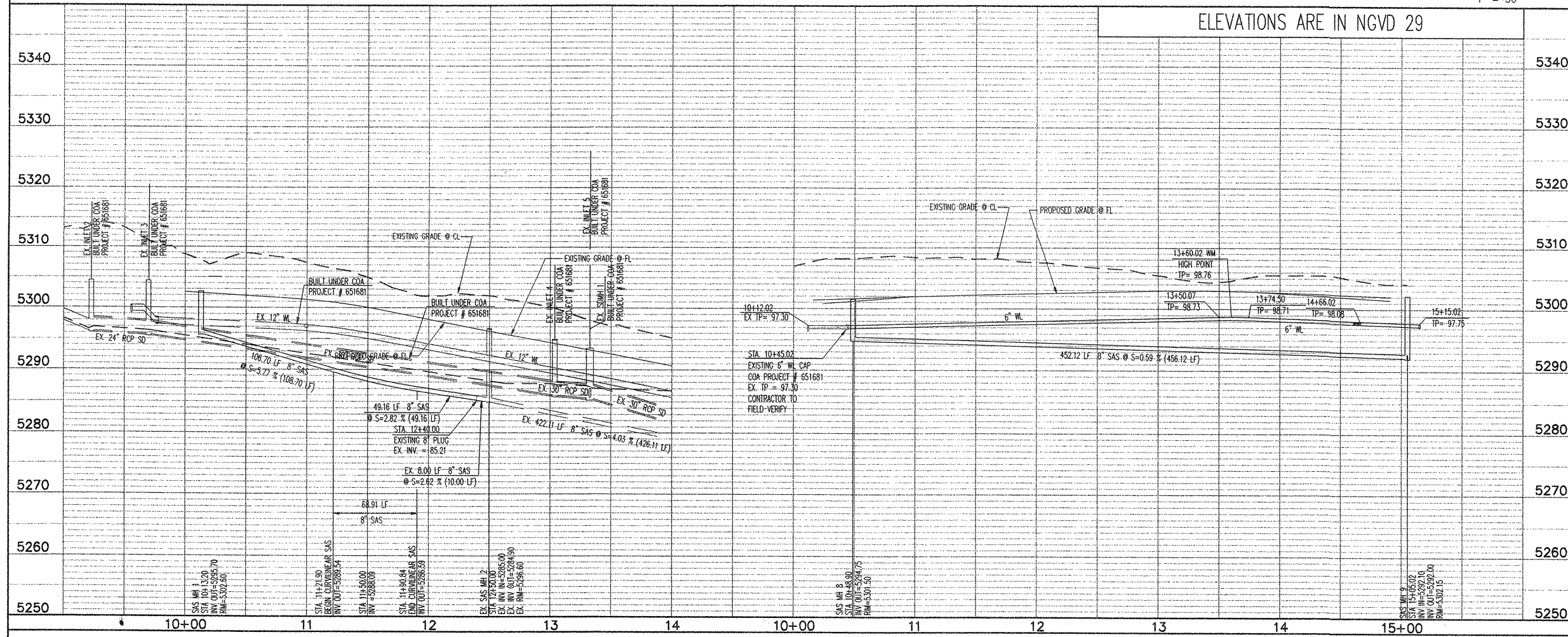
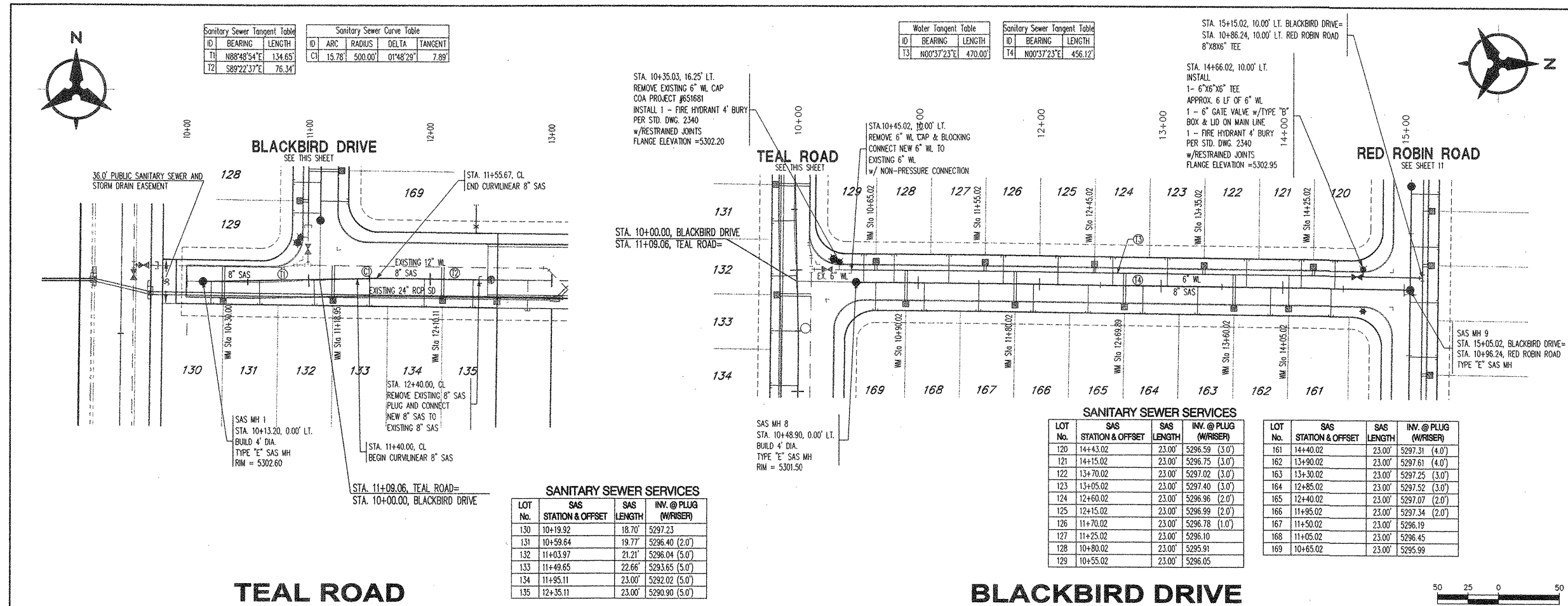
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ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TIMARRON WEST UNIT 4 SUBDIVISION
UTILITY PLAN AND PROFILE
RED ROBIN ROAD

APPROVED JAN 27 2002 DESIGN REVIEW COMMITTEE	APPROVED APR 11 2002 CITY ENGINEER	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. **671683** Zone Map No. **L8, M8** Sheet **11** Of **18**



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- SAS MANHOLE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- PROPOSED FIRE HYDRANT
- EXISTING WATER VALVE
- PROPOSED STREET LIGHT

AS-BUILT INFORMATION

CONTRACTOR	DATE
ACS 3 1/4" Alum. cap stamped 6-18-1989	

BENCH MARKS

STATION	DATE
0.52 miles south of Central Ave. east side of Powerline	

SURVEY INFORMATION

NO.	BY	DATE

ENGINEER'S SEAL

REMARKS

No.	Date	By

DESIGNED BY: SJS
DRAWN BY: BJS
CHECKED BY: SJS

DATE: 12/10/01
DATE: 12/10/01
DATE: 12/10/01

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ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TIMARRON WEST UNIT 4 SUBDIVISION
UTILITY PLAN AND PROFILE
TEAL DRIVE AND BLACKBIRD DRIVE

APPROVED
MAR 2 1 2002
DESIGN REVIEW COMMITTEE

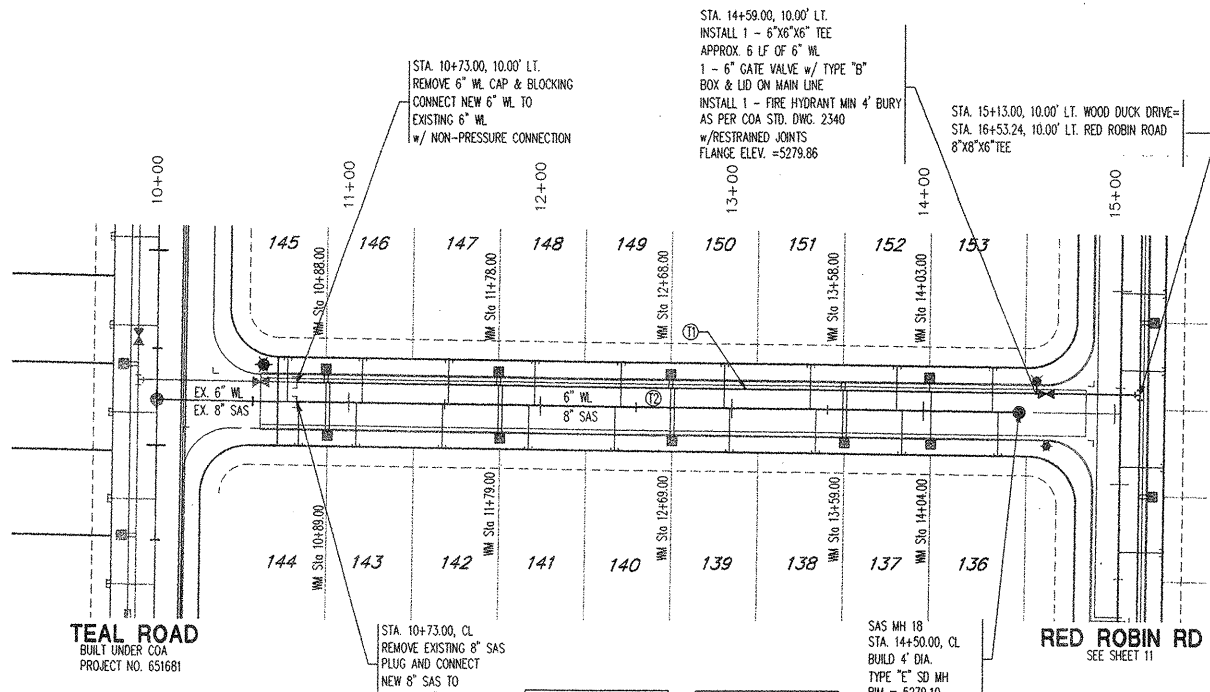
APPROVED
APR 1 1 2002
CITY ENGINEER

City Project No. **671683** Zone Map No. **L8, M8** Sheet **12** Of **18**

Scale: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

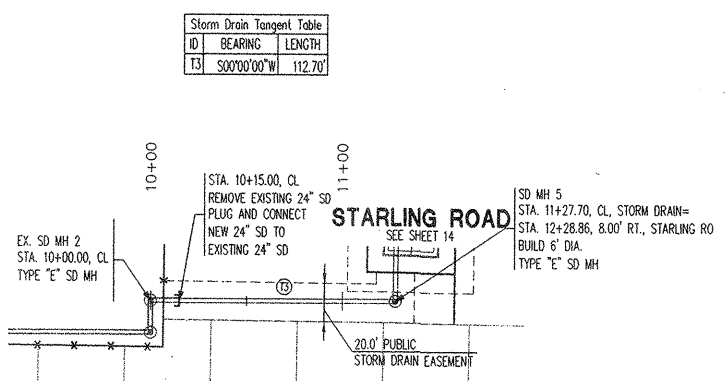
BHI JOB NO. 99470

DECEMBER 2001



SANITARY SEWER SERVICES

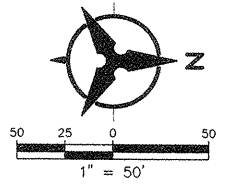
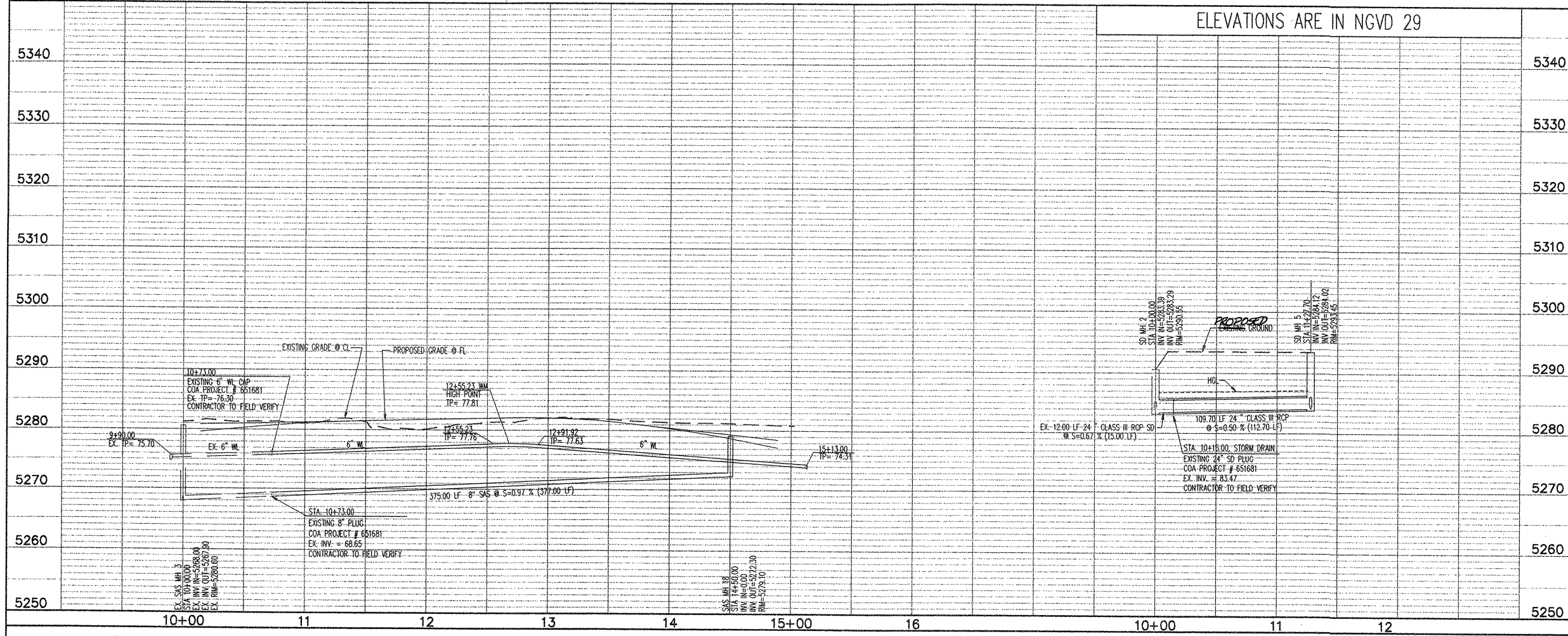
LOT No.	SAS STATION & OFFSET	SAS LENGTH	INV. @ PLUG (WRISER)
136	14+39.00	23.00'	5273.54
137	13+89.00	23.00'	5275.16 (2.0')
138	13+44.00	23.00'	5275.90 (4.0')
139	12+99.00	23.00'	5276.40 (5.0')
140	12+39.00	23.00'	5275.82 (5.0')
141	11+94.00	23.00'	5275.38 (5.0')
142	11+49.00	23.00'	5274.94 (5.0')
143	11+04.00	23.00'	5274.50 (5.0')
144	10+74.00	23.00'	5274.21 (2.0')
145	10+68.00	23.00'	5274.15 (5.0')
146	11+07.00	23.00'	5274.53 (5.0')
147	11+52.00	23.00'	5274.97 (5.0')
148	11+97.00	23.00'	5275.41 (5.0')
149	12+42.00	23.00'	5275.85 (5.0')
150	12+96.00	23.00'	5276.37 (5.0')
151	13+41.00	23.00'	5275.40 (3.0')
152	13+86.00	23.00'	5275.13 (2.0')
153	14+36.00	23.00'	5273.97



WOOD DUCK DRIVE

PARK STORM DRAIN

ELEVATIONS ARE IN NGVD 29



GENERAL NOTES

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10. SAS STATIONING FOLLOWS CL OF ROAD UNLESS OTHERWISE NOTED.
11. STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRATE AT FACE OF CURB.
12. FLOWLINE ELEVATIONS FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURB TO MIDDLE OF DOWNHILL GRATE.
13. ALL WATERLINE APPURTENANCES SHALL USE RESTRAINED JOINTS, REFER TO TABLES LISTED ON OVERALL UTILITY SHEET 14.
14. FOR STORM DRAIN CONSTRUCTION: ALL RCP JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION SHALL DETERMINE WHICH JOINTS ARE TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

LEGEND

- DOUBLE WATER METER
- SINGLE WATER METER
- W. AIR RELEASE VALVE
- WATER LINE SHUTOFF VALVE
- WATER LINE TEE
- SAS LATERAL
- SAS MANHOLE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- PROPOSED FIRE HYDRANT
- EXISTING WATER VALVE
- PROPOSED STREET LIGHT

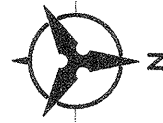
AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	DATE	BY	DATE	CONTRACTOR	DATE	BY	DATE	NO.	DATE	BY	DATE	NO.	DATE	BY	DATE

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 Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
 ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TIMARRON WEST UNIT 4 SUBDIVISION
WOOD DUCK DRIVE/ PARK STORM DRAIN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED	APPROVED		
DESIGN REVIEW COMMITTEE	CITY ENGINEER		

City Project No. **671683** Zone Map No. **L8, M8** Sheet **13** Of **18**

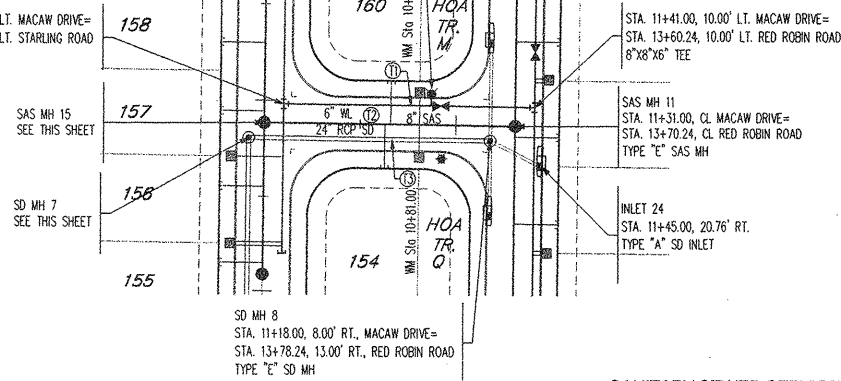


STA. 10+87.21, 19.27' LT.
INSTALL 1 - 6"X6" TEE
APPROX. 6 LF OF 6" WL
1 - 6" GATE VALVE w/ TYPE "B"
BOX & LID ON MAIN LINE
1 - FIRE HYDRANT 4' BURY
AS PER CDA STD. DWG. 2340
w/RESTRAINED JOINTS
FLANGE ELEV. = 5293.18

Water Tangent Table			Sanitary Sewer Tangent Table			Storm Drain Tangent Table		
ID	BEARING	LENGTH	ID	BEARING	LENGTH	ID	BEARING	LENGTH
T1	N00°37'23"E	131.00'	T2	N00°37'23"E	131.00'	T3	S00°37'23"W	126.00'

STARLING ROAD
SEE THIS SHEET

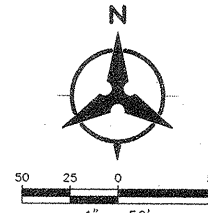
RED ROBIN ROAD
SEE SHEET 11



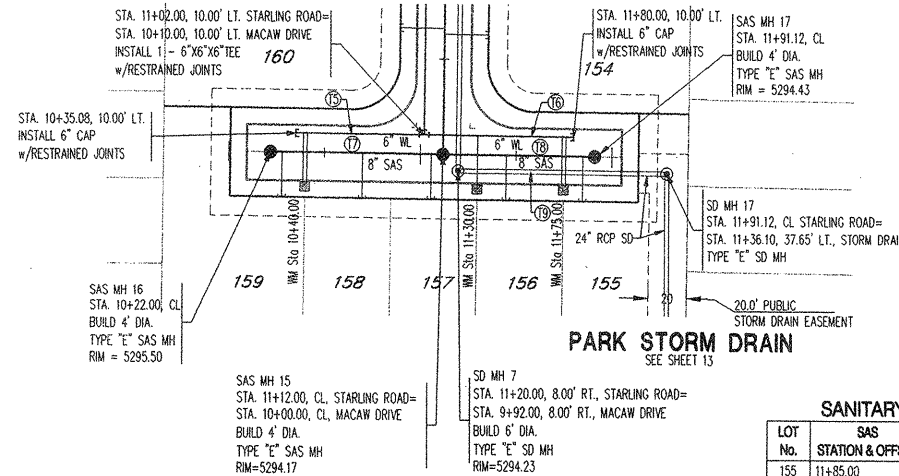
SANITARY SEWER SERVICES

LOT No.	SAS STATION & OFFSET	SAS LENGTH	INV. @ FLUG (W/RISE)
154	10+63.00	23.00'	5287.64 (1.0')
160	10+66.00	23.00'	5287.53 (1.0')

Water Tangent Table			Sanitary Sewer Tangent Table			Storm Drain Tangent Table		
ID	BEARING	LENGTH	ID	BEARING	LENGTH	ID	BEARING	LENGTH
T5	S89°22'37"E	66.91'	T7	N89°22'37"W	90.03'	T9	S89°22'37"E	108.86'
T6	S89°22'37"E	78.00'	T8	N89°22'37"W	79.12'			



MACAW DRIVE
SEE THIS SHEET



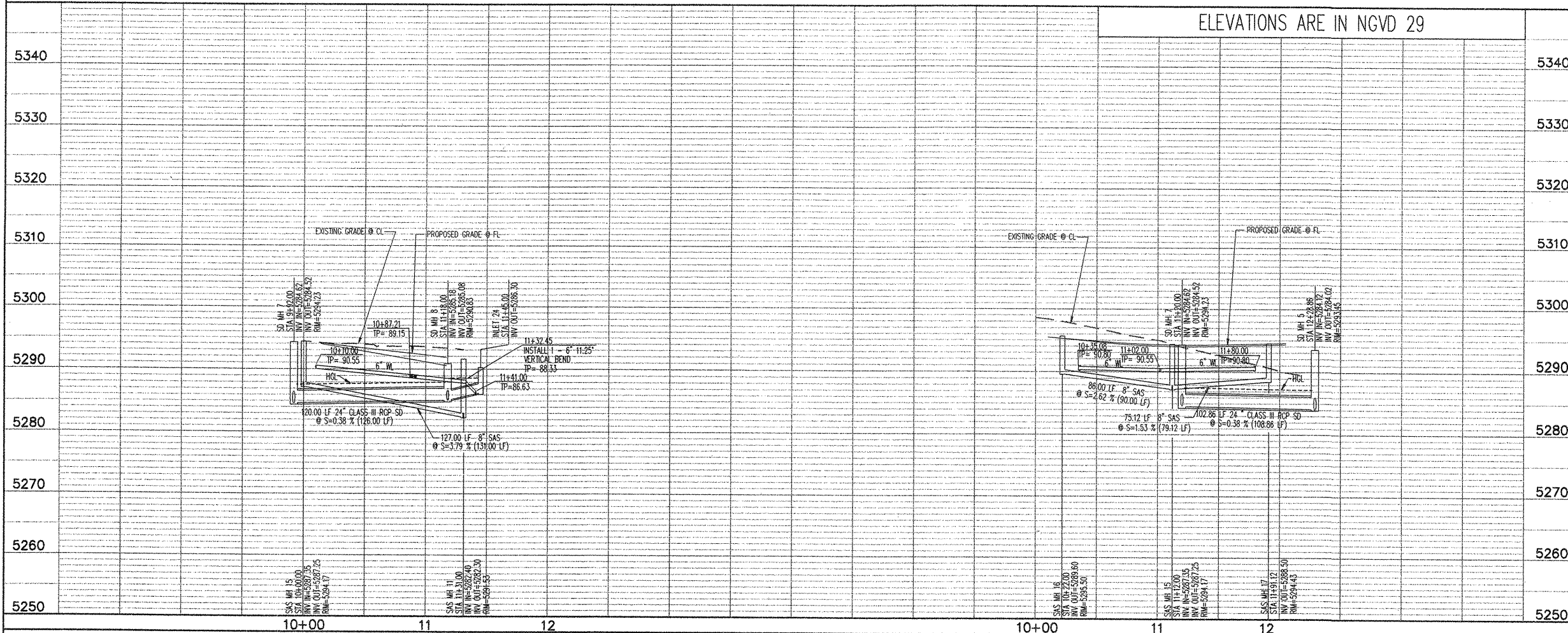
SANITARY SEWER SERVICES

LOT No.	SAS STATION & OFFSET	SAS LENGTH	INV. @ FLUG (W/RISE)
155	11+85.00	23.00'	5289.76
156	11+45.09	23.00'	5289.15
157	11+05.87	23.00'	5288.78
158	10+70.00	23.00'	5289.72
159	10+28.00	23.00'	5290.82

MACAW DRIVE

STARLING ROAD

ELEVATIONS ARE IN NGVD 29



LEGEND

- DOUBLE WATER METER
- SINGLE WATER METER
- WL AIR RELEASE VALVE
- WATER LINE SHUTOFF VALVE
- WATER LINE TEE
- SAS LATERAL
- SAS MANHOLE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- PROPOSED FIRE HYDRANT
- EXISTING WATER VALVE
- PROPOSED STREET LIGHT

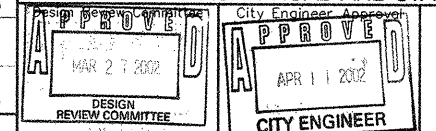
Bohannon & Huston

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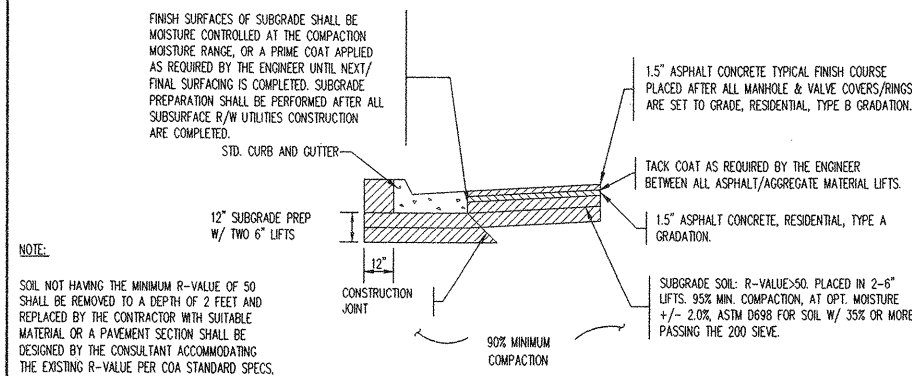
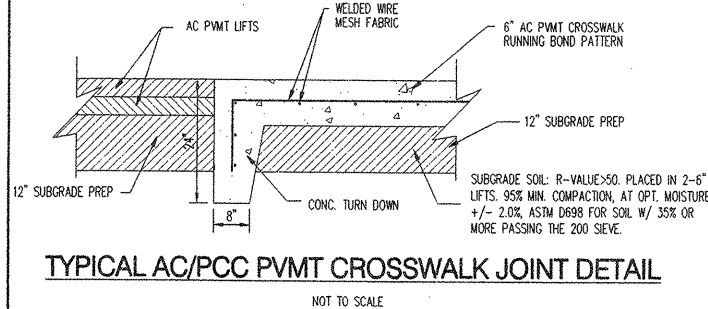
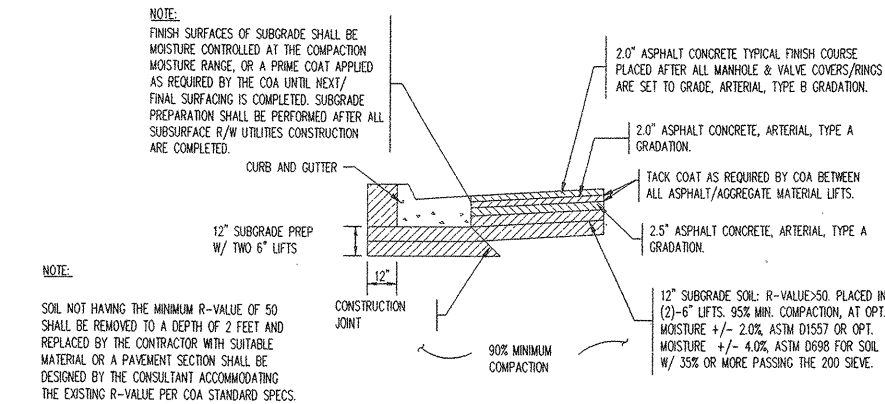
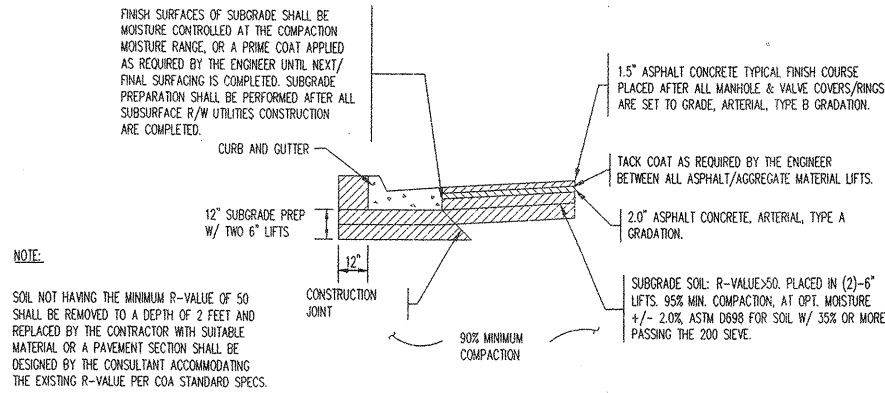
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

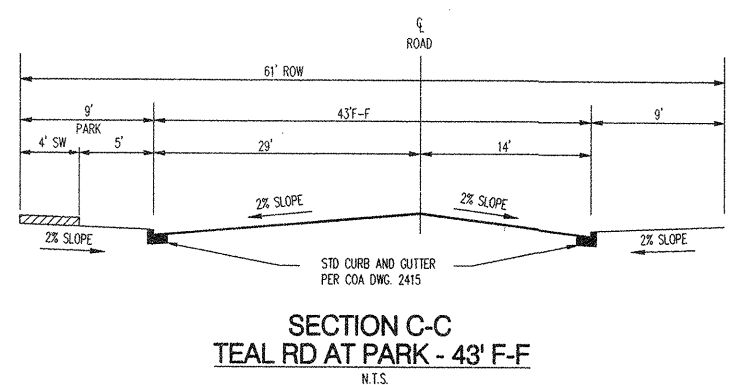
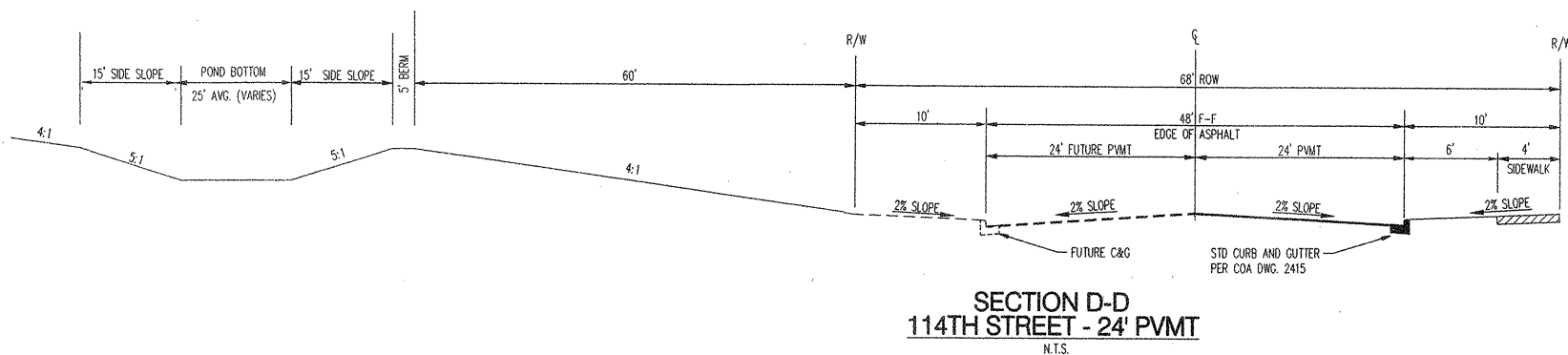
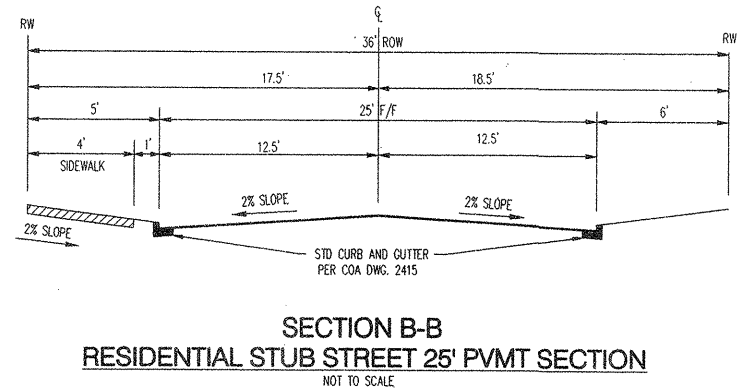
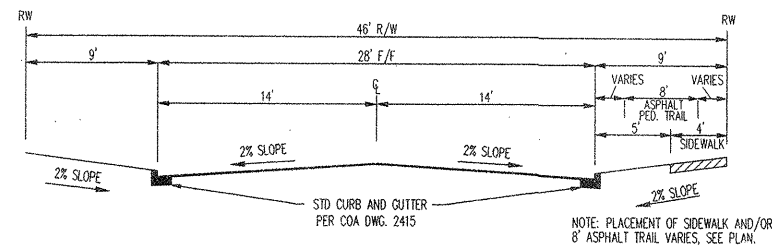
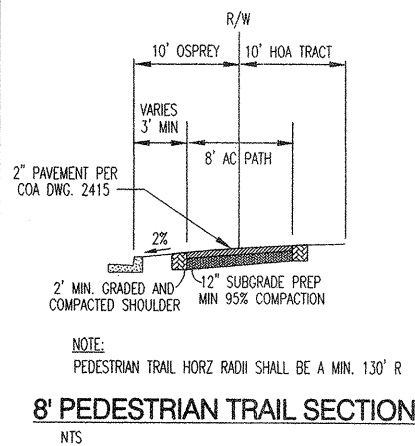
TIMARRON WEST UNIT 4 SUBDIVISION
UTILITY PLAN AND PROFILE
MACAW ROAD AND STARLING ROAD



City Project No. 671683
Zone Map No. L8, M8
Sheet 14 of 18



- PAVEMENT SECTION NOTES:**
- SOIL NOT HAVING THE MINIMUM R-VALUE OF 50 SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED BY THE CONTRACTOR WITH SUITABLE MATERIAL OR A PAVEMENT SECTION SHALL BE DESIGNED BY THE CONSULTANT ACCOMMODATING THE EXISTING R-VALUE PER COA STANDARD SPECS.
 - FINISH SURFACES OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT THE COMPACTION MOISTURE RANGE, OR A PRIME COAT APPLIED, AS REQUIRED BY THE ENGINEER UNTIL NEXT/FINAL SURFACING IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION ARE COMPLETED.



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**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

**TIMARRON WEST UNIT 4 SUBDIVISION
PAVING SECTION & DETAILS**

Design Review Committee: **APPROVE** MAR 27 2002
City Engineer: **APPROVE** APR 11 2002

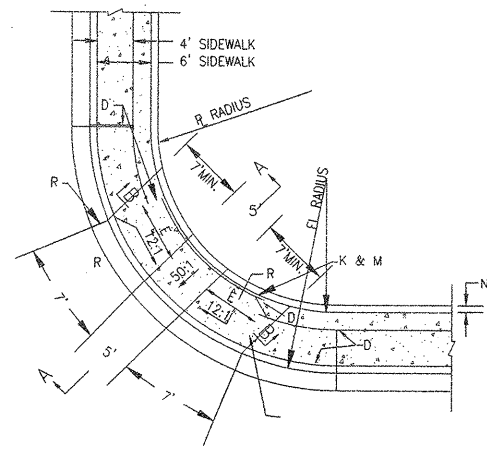
City Project No. **671683** Zone Map No. **L8,M8** Sheet **15** Of **18**

Designed By: SJS
Drawn By: LSM
Checked By: SJS

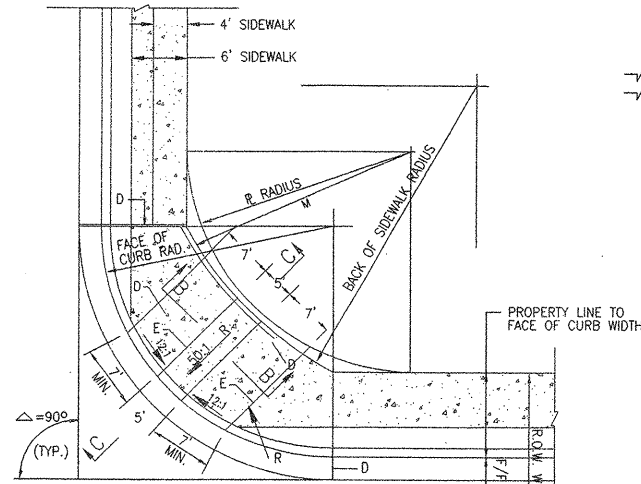
DATE: 12/10/01
DATE: 12/10/01
DATE: 12/10/01

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	AS 3 1/4" Alum. cap stamped "b-18, 1998"	DATE	FIELD NOTES	DATE	NO.	BY
INSPECTED BY	DATE	Channel, on top of drainage structure	DATE				
FIELD SURFACE BY	DATE	Geographic Position (NAD 27), in feet	DATE				
FIELD SURFACE BY	DATE	NM State Plane Coordinates (Central Zone)	DATE				
FIELD SURFACE BY	DATE	X = 346,973.32 Y = 1,477,845.64	DATE				
FIELD SURFACE BY	DATE	Ground-to-Grid Factor = 0.9998639	DATE				
FIELD SURFACE BY	DATE	Elevation = 5383.906 NGVD 29, in feet	DATE				
FIELD SURFACE BY	DATE		DATE				

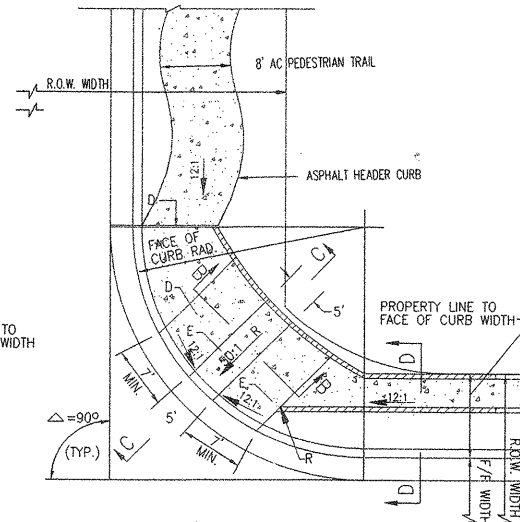




CASE I MINIMAL R.O.W. FOR
SIDEWALK AT BACK OF CURB

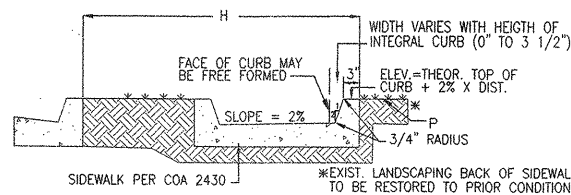


CASE II ADEQUATE R.O.W. FOR
SETBACK SDWK ADJACENT TO R.

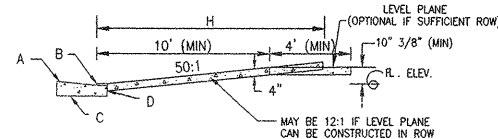


CASE III ADEQUATE R.O.W. FOR SETBACK
8' WIDE AC PEDESTRIAN TRAIL

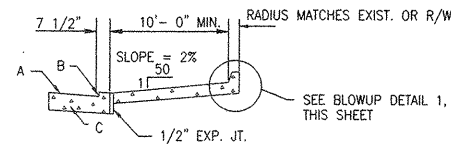
Δ R RAD	CURB RAD	R CURB	WIDTH	BACK SW RAD
90°	25'	25'	4'	25'
90°	30'	25'	4'	30'
90°	35'	25'	4'	35'
90°	40'	25'	4'	40'



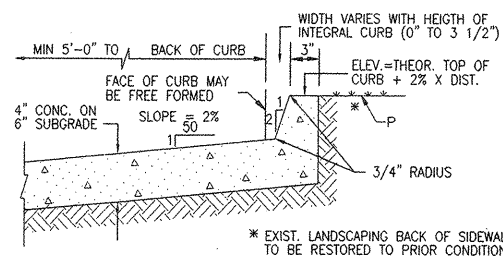
SECTION D-D
N.T.S.



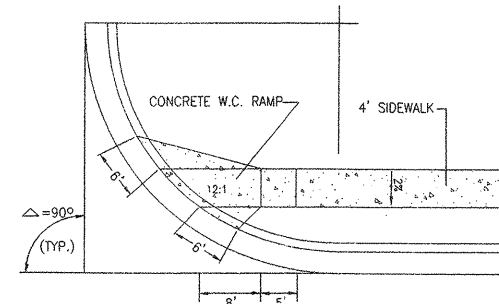
SECTION C-C CASE II



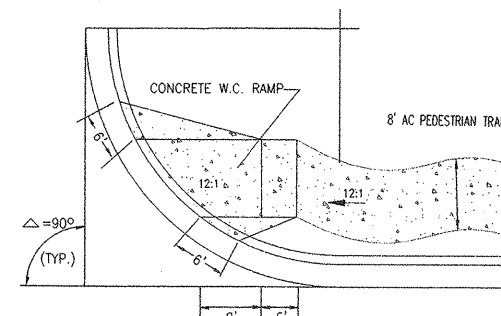
SECTION C-C CASE III



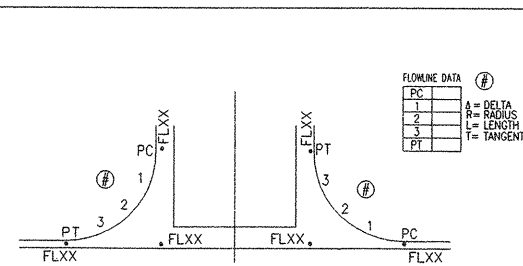
DETAIL 1
N.T.S.



UNI-DIRECTIONAL HANDICAP RAMP
4' SIDEWALK ACCESS
N.T.S.



UNI-DIRECTIONAL HANDICAP RAMP
8' WIDE AC PEDESTRIAN TRAIL
N.T.S.



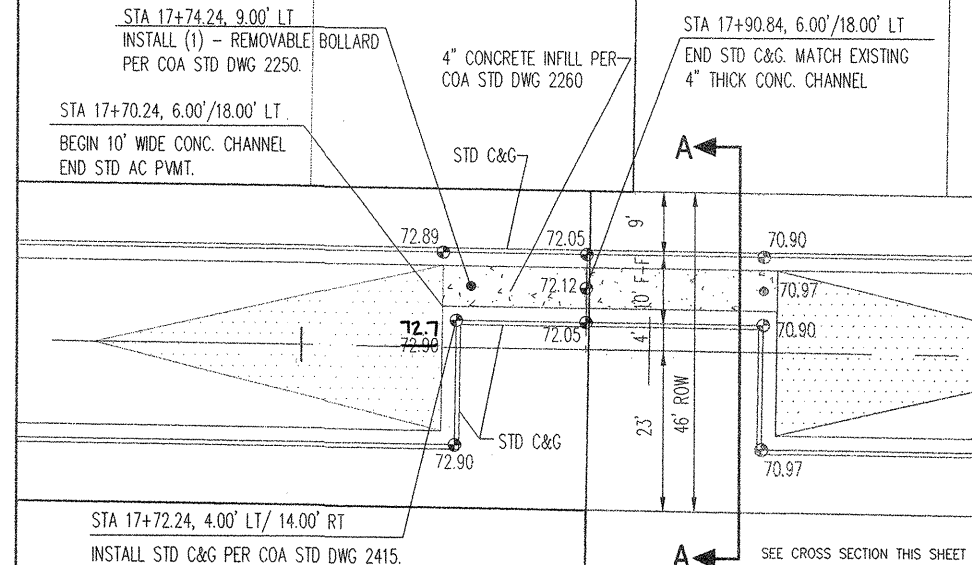
TYPICAL INTERSECTION RETURNS DETAIL
N.T.S.

GENERAL NOTES:

- CURB ACCESS RAMPS ARE NORMALLY TO BE LOCATED AT THE CENTER OF THE RETURN OR AS DIRECTED BY THE CITY TRAFFIC ENGINEER.
- SURFACE TEXTURE OF CURB ACCESS RAMPS SHALL BE OBTAINED BY HEAVY BROOMING (TEXTURE DEPTH .035"), TRANSVERSE TO THE SLOPE OF THE RAMP.
- GUTTER FLOW-LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP. DRAINAGE CATCH BASIN STRUCTURES SHALL NOT BE PLACED IN LINE WITH RAMPS.
- WIDTH OF SIDEWALK AND RAMP MUST BE MAINTAINED AT A MINIMUM OF 5'-0" THROUGH ENTIRE RAMP LENGTH.

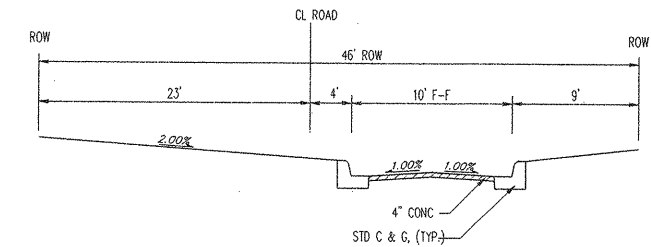
CONSTRUCTION NOTES:

- SLOPE OF GUTTER DEPENDENT ON REQUIREMENTS FOR VALLEY GUTTER.
- 1/4" LIP ABOVE FLOW LINE (VERTICAL). SEE STD. DWG 2415.
- CURB & GUTTER (SEE STD. DWG 2415 - GUTTER AT THE CURB ACCESS RAMP).
- 1/2" EXPANSION JOINT.
- PARALLEL LINES - TOP AND BOTTOM OF RAMP.
- 12:1 SLOPE AT FACE OF CURB. (SEE STD. DWG 2418)
- CONTRACTION (DUMMAY) JOINT.
- H. VARIES WITH AVAILABLE R.O.W.
- J. VARIABLE.
- K. HEADER CURB, SEE DWG. 2415.
- L. BACK OF SIDEWALK.
- M. BACK OF SIDEWALK RADIUS TO BE ESTABLISHED SO AS TO MAINTAIN A 5'-0" RAMP WIDTH (MINIMUM) OR MORE THROUGHOUT. SEE STD. DWG 2440 (NOTE S) IF LESS THAN 5'-0" IS AVAILABLE DUE TO UNTIMELY UNRESOLVABLE CONSTRAINTS.
- N. 4 1/2" MAX.
- P. ANY PRIVATE LANDSCAPING AND OR IRRIGATION SHALL BE RESTORED TO ORIGINAL CONDITION. SHOULD ANY RPRVATE IMPROVEMENT NEED TO BE REMOVED, OWNER MUST BE NOTIFIED.
- R. 12:1 SLOPE MAXIMUM ON RAMP.



UNIT 4

UNIT 3
COA PROJECT #651681



CONC. CHANNEL SECTION A-A
NOT TO SCALE

AS-BUILT INFORMATION	
CONTRACTOR	DATE
INSPECTOR'S	DATE
FIELD	DATE
VERIFICATION BY	DATE
CORRECTED BY	DATE
RECORDED BY	DATE
NO.	

BENCH MARKS	
ACS 3 1/4" Alum. cap. stamped 6-18, 1989	DATE
Channel, on top of drainage structure	DATE
Geographic Position (NAD 77) in feet	DATE
NM State Plane Coordinates (Central Zone)	DATE
Ground-to-Grid Factor = 0.99999533	DATE
Elevation = 5383.906 NGVD 29, in feet	DATE
NO.	

SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	

ENGINEER'S SEAL	
DATE	DATE
1466	
REGISTERED PROFESSIONAL	

REVISIONS	
No.	By
DATE	DATE
DESIGN	DATE
DATE	DATE
DATE	DATE

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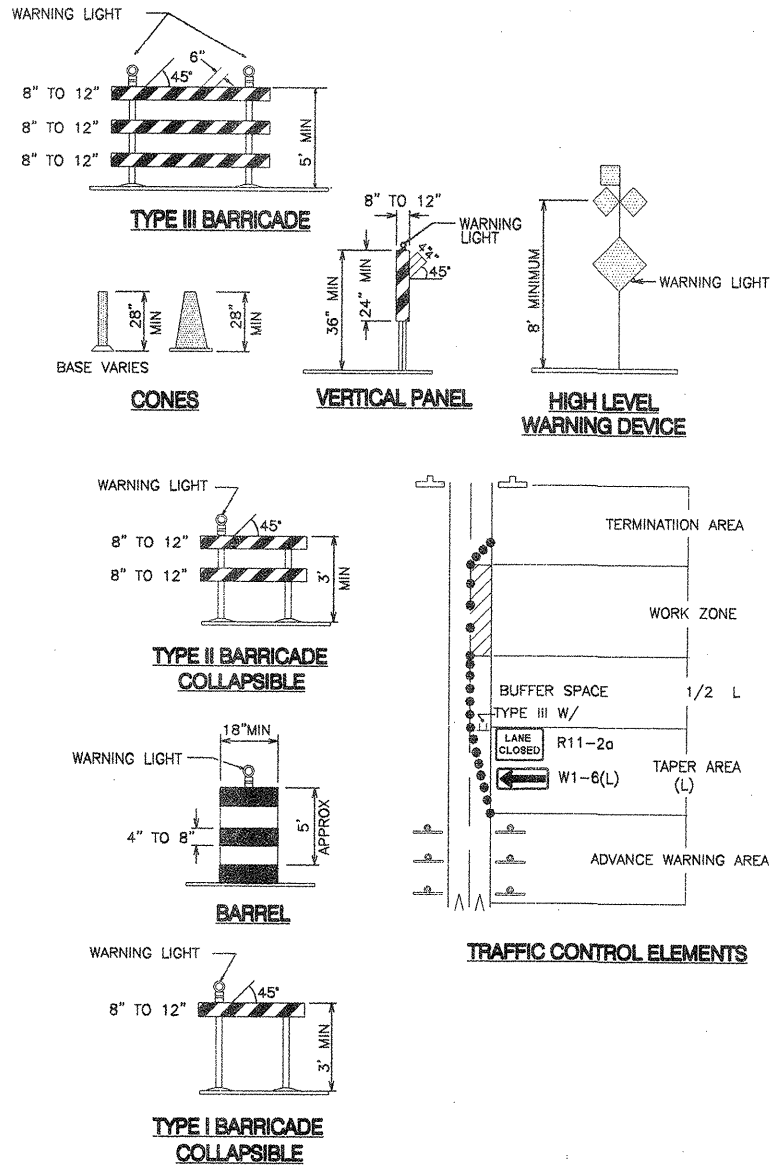
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TIMARRON WEST UNIT 4 SUBDIVISION
MISCELLANEOUS DETAILS

City Engineer Approval
 City Project No. L8,M8
 Sheet 16 Of 18
 Date: 12/10/01
 Designed By: SJS
 Drawn By: LSM
 Checked By: SJS

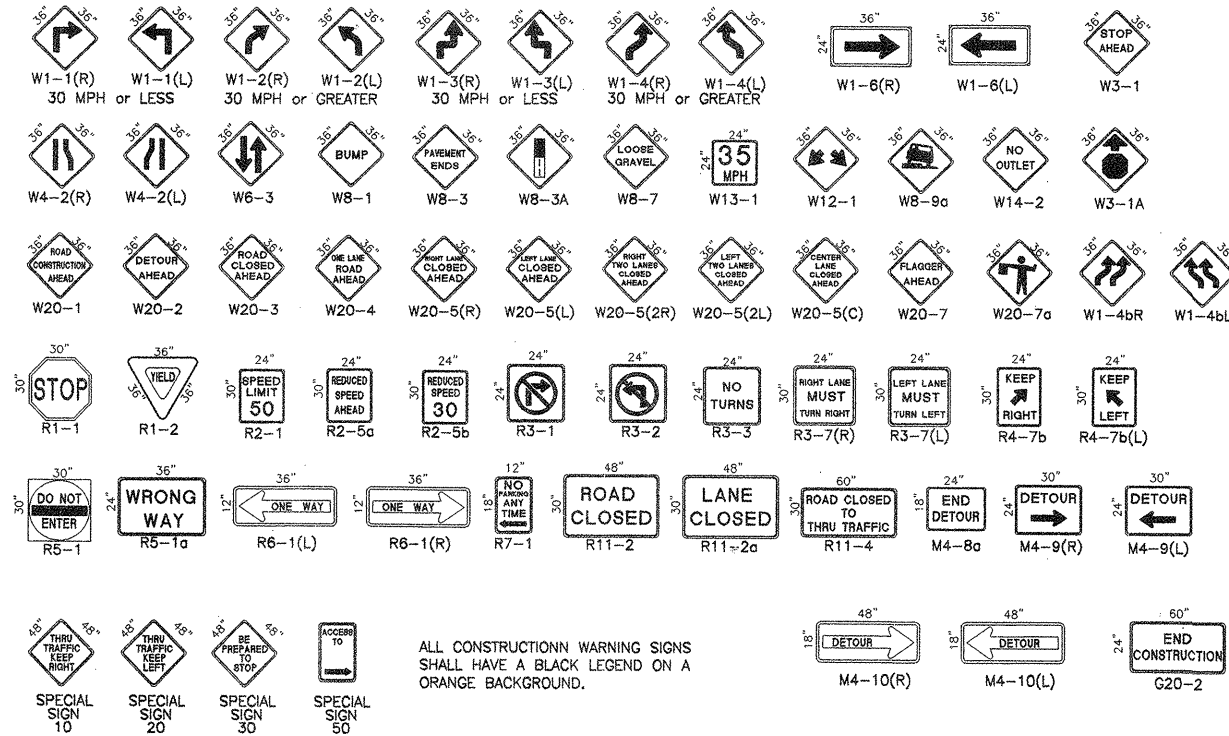
CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

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

- 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.
- CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
 - STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 - SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
- 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.
- ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.
- TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.
- 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.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



SIGN FACE DETAILS



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

LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE 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 MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

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

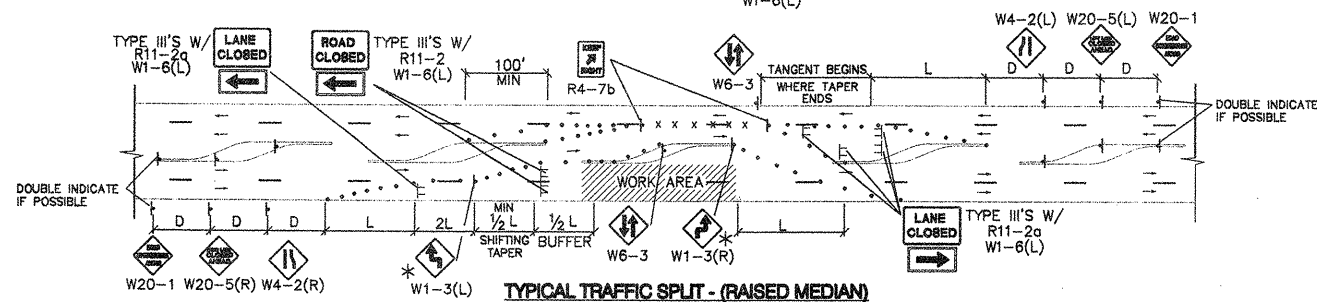
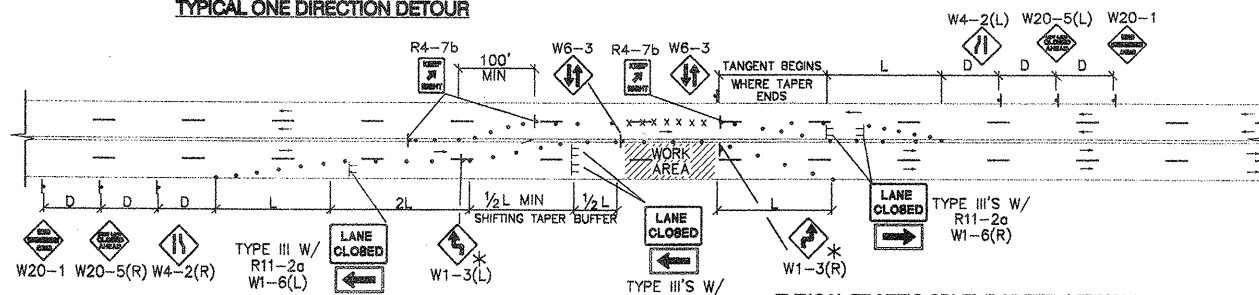
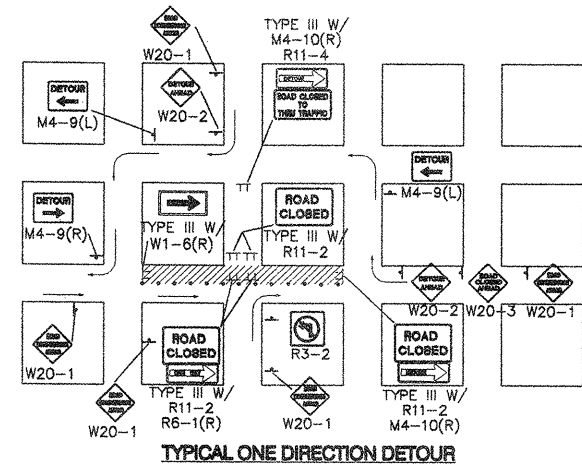
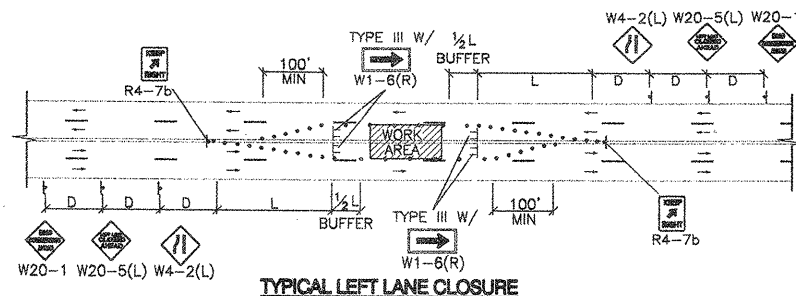
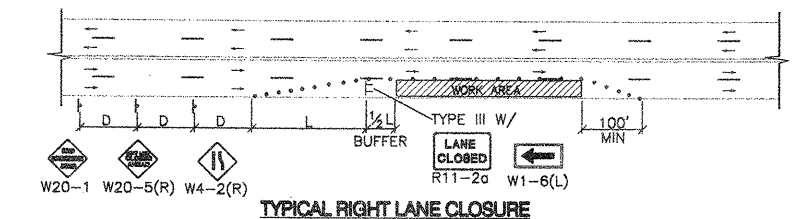
TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
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

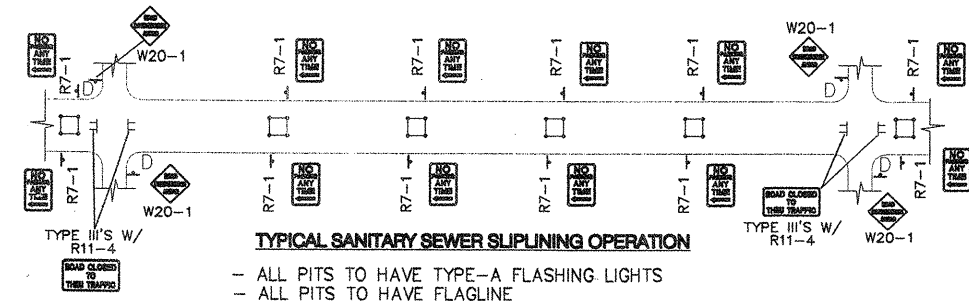
Bohannon Hu ton
Courtney One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
TIMARRON WEST UNIT 4 SUBDIVISION TRAFFIC CONTROL SIGNING & CONSTRUCTION TRAFFIC CONTROL STANDARDS	
Design Review Committee	City Engineer Approval
COA STD	COA STD
City Project No. 671683	Zone Map No. L8,M8
Sheet 17	Of 18



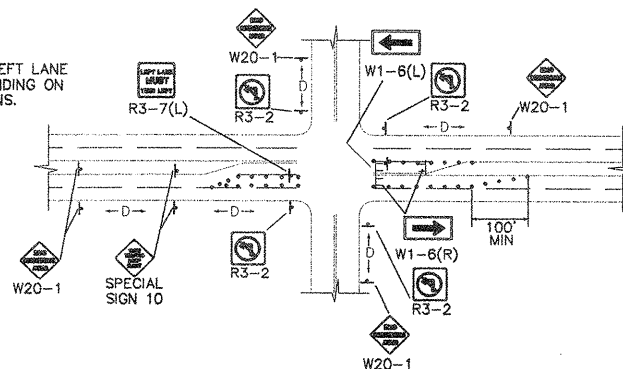
TRAFFIC SPLIT NOTES:

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

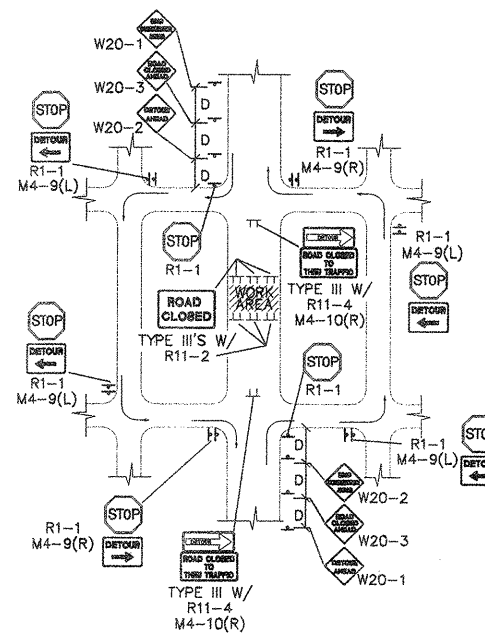


- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

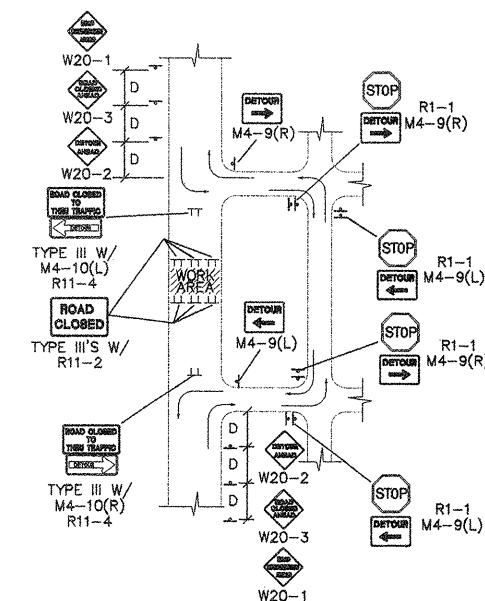
NOTE:
MAY REQUIRE LEFT LANE
CLOSURE DEPENDING ON
FIELD CONDITIONS.



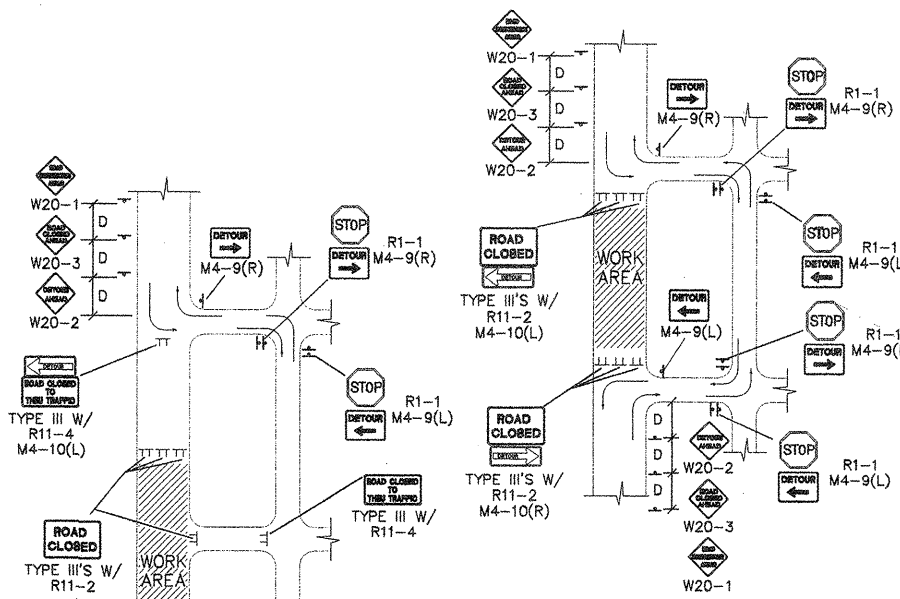
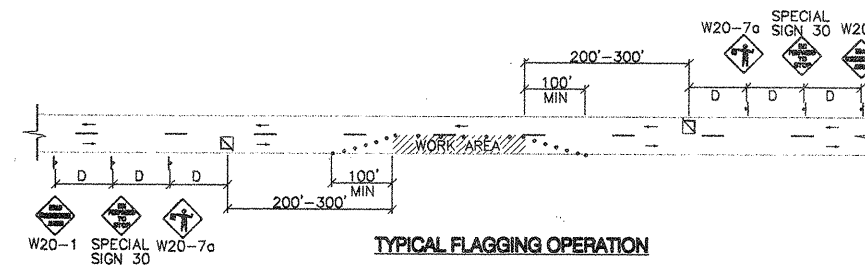
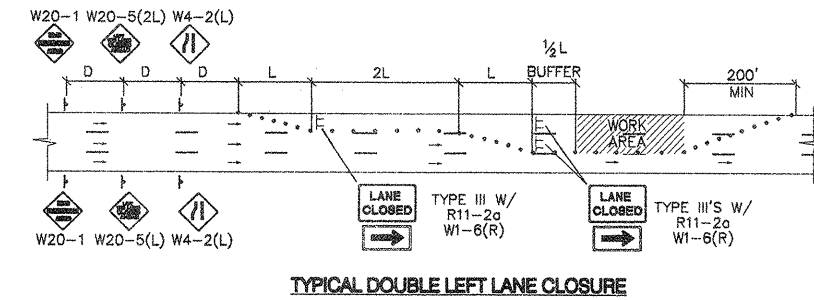
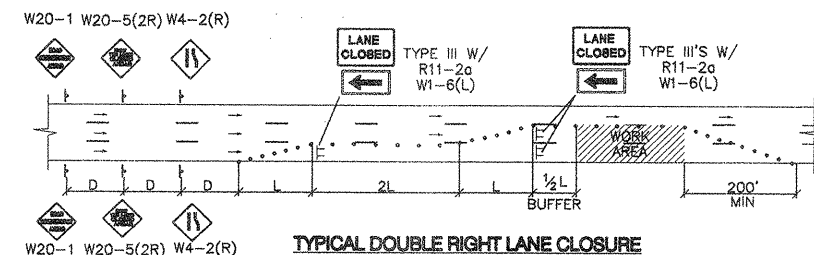
NOTE: DEPENDING ON WORK ZONE LOCATION.



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



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PUBLIC WORKS DEPARTMENT**

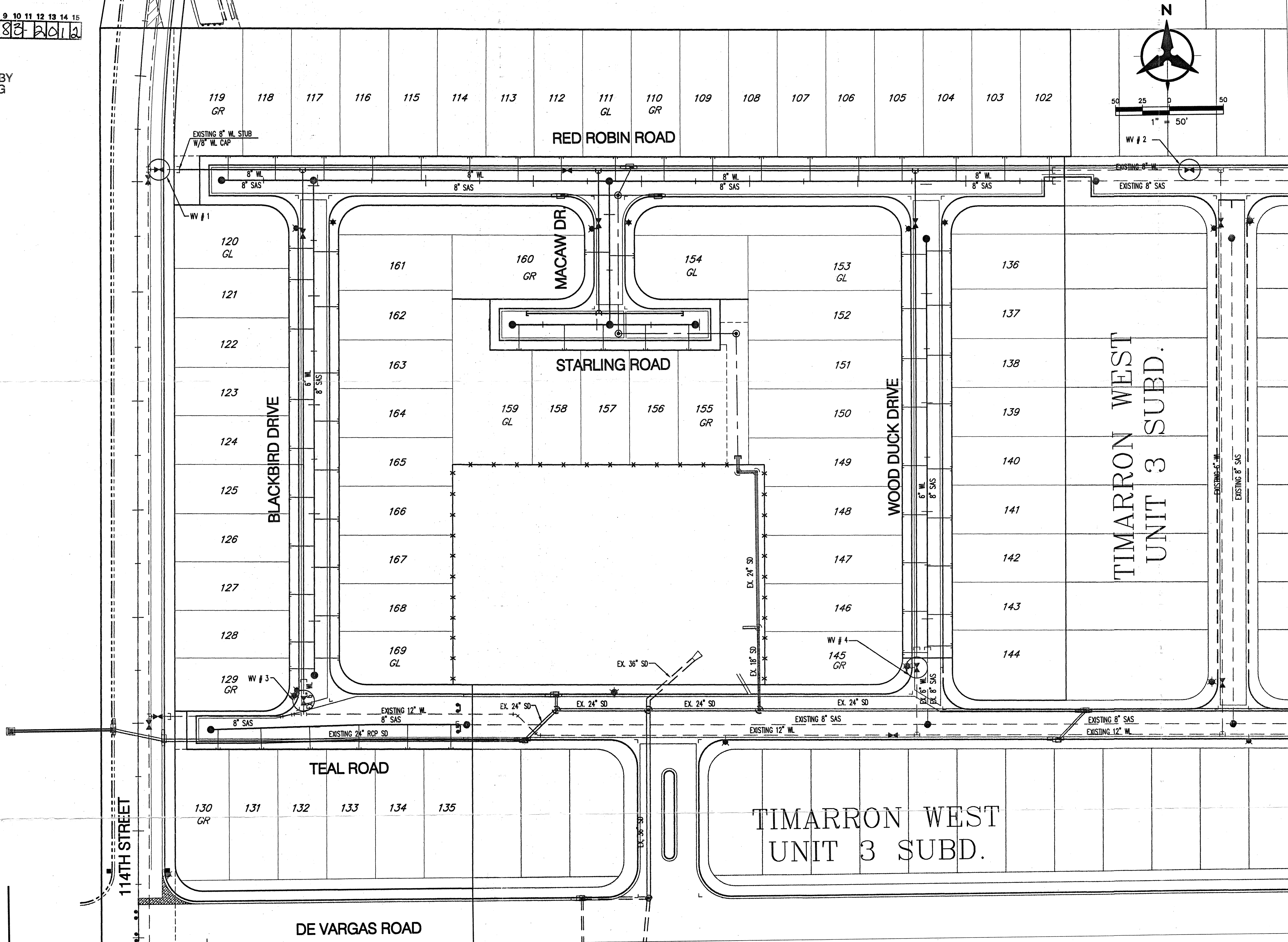
**TIMARRON WEST UNIT 4 SUBDIVISION
TYPICAL TRAFFIC CONTROL
& SIGNING EXAMPLES (REF MUTCD)**

Design Review Committee	City Engineer Approval	Mo./Day/Yr.
COA STD	COA STD	
City Project No.	Zone Map No.	Sheet
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AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	DATE	DATE	NO.	DATE	REVISIONS	DESIGN
STATIONED BY	DATE	DATE	DATE	BY	DATE	DATE	DATE
INSPECTED BY	DATE	DATE	DATE	DATE	DATE	DATE	DATE
FIELD VERIFICATION BY	DATE	DATE	DATE	DATE	DATE	DATE	DATE
CHECKED BY	DATE	DATE	DATE	DATE	DATE	DATE	DATE
MICRO-FILM INFORMATION		ELEVATION= 5233.928 (NAD 1929)		COA STD		COA STD	

2 3 4 5 6 7 8 9 10 11 12 13 14 15
24-16716.83 2012

SCANNED BY
PLANNING



WATER SHUT-OFF PLAN:

FOR CONNECTION	VALVE CLOSED
6" BLACKBIRD	WV # 1, WV #2, WV #3, WV #4.
6" WOOD DUCK	WV # 1, WV #2, WV #3, WV #4.
8" RED ROBIN	WV # 1, WV #2, WV #3, WV #4.

CONTRACTOR WILL BE RESPONSIBLE FOR FLUSHING, DISINFECTING, AND TESTING THE LINES AS REQUIRED BY THE CITY OF ALBUQUERQUE (COA).

WATER SHUT-OFF REQUIREMENTS:

CONTRACTOR WILL BE RESPONSIBLE FOR THE TIMING AND COORDINATION OF THE WATER SHUT-OFF REQUIREMENTS IN CONJUNCTION WITH THE COMPLETION OF CONNECTIONS. AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT CITY OF ALBUQUERQUE (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUT-OFF PLAN. CONTRACTOR SHALL NOT OPERATE VALVES ON THE PROJECT.

RESTRAINED JOINT TABLE

FITTING	LENGTH TO BE RESTRAINED	
	6"	8"
VALVE/DEAD END	55'	73'
6"X6" TEE	4'	---
8"X8" TEE	1'	10'
11.25" VERTICAL BEND (UPPER)	2'	---
11.25" VERTICAL BEND (LOWER)	5'	---

AFD PLANS CHECKING OFFICE
924-3611
APPROVED/DISAPPROVED
HYDRANT(S) ONLY
SIGNATURE & DATE

NOTE:
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.

2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS, UNLESS SPECIFIED DIFFERENTLY IN THE PLANS. ALL PIPE JOINTS WITHIN 20 LF OF A MJ SHALL BE RESTRAINED AT THE CONTRACTOR'S EXPENSE.

3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE ACCOMPANYING TABLE.

4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.

MATERIALS:

SAS LINE: SDR-35 PVC
WATER LINE: C900-PVC

GENERAL NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURVE DATA AND DIMENSIONS ARE CALCULATED FROM CENTERLINE OF PIPE OR MANHOLE. ALL SAS & SD SLOPES ARE CALCULATED TO TRUE PIPE DIMENSIONS FROM INVERT TO INVERT. (PAY ITEMS ARE SHOWN IN PARENTHESES)
- GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS WITH THE PROPOSED TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- MH RIMS & CATCH BASIN INLET ELEVATIONS, VALVE BOXES, ARV, FIRE HYDRANT & FLANGE ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT GRADES.
- SAS STATIONING FOLLOWS CL OF ROAD UNLESS OTHERWISE NOTED.
- STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRATE AT FACE OF CURB.
- FOR STORM DRAIN CONSTRUCTION: ALL RCP JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION SHALL DETERMINE WHICH JOINTS ARE TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

LEGEND

---	PROPERTY LINE
---	NEW EASEMENT
---	SAS
---	EXISTING SANITARY SEWER
---	EXISTING WATER LINE
---	EXISTING STORM DRAIN
---	EXISTING WATER METER
---	EXISTING CAP
---	EXISTING VALVE
---	EXISTING FIRE HYDRANT
---	EXISTING SANITARY SEWER MANHOLE
---	EXISTING STORM DRAIN
GL / GR	GARAGE LEFT/RIGHT
---	SAS
---	PROPOSED SANITARY SEWER
---	PROPOSED WATER LINE
---	PROPOSED VALVE
---	PROPOSED HYDRANT
---	PROPOSED CAP
---	PROPOSED WATER METER
---	PROPOSED SANITARY SEWER MANHOLE
---	PROPOSED STORM DRAIN
---	PROPOSED STREET LIGHT
---	FUTURE UNIT

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CITY OF ALBUQUERQUE
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TIMARRON WEST UNIT 4 SUBDIVISION
OVERALL UTILITY PLAN

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