

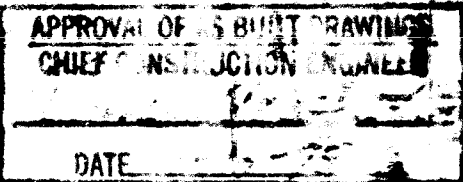
CONSTRUCTION PLANS
FOR
THE HIGHLANDS AT
HIGH DESERT SUBDIVISION
UNIT 3
ALBUQUERQUE, NEW MEXICO

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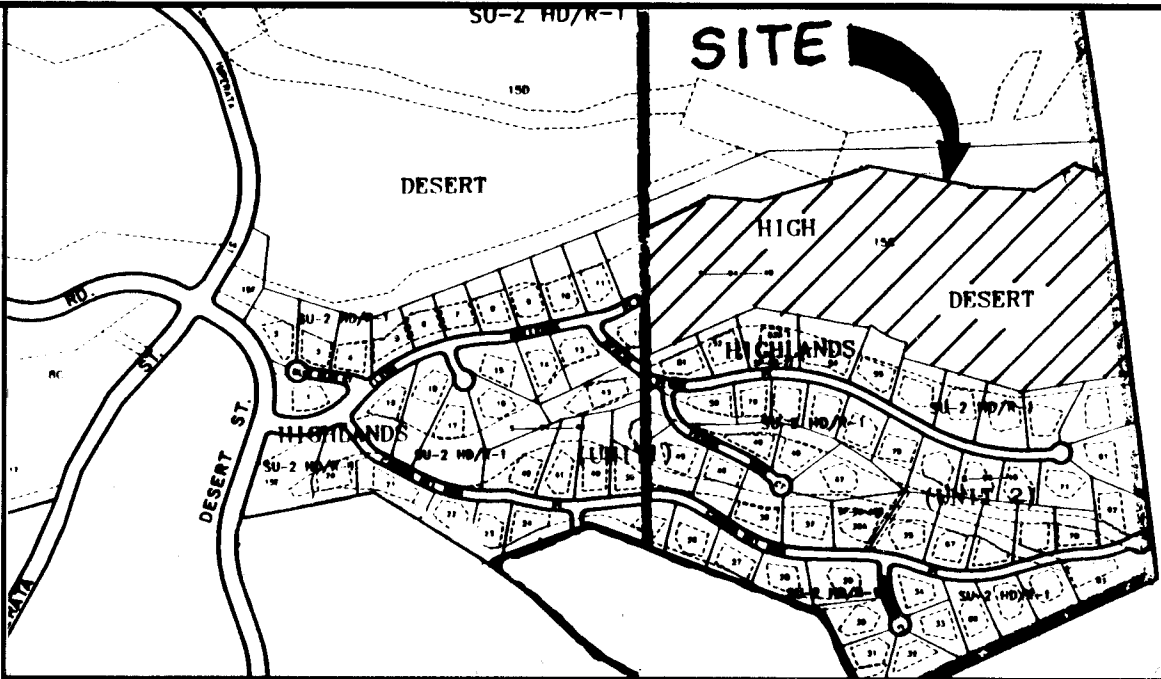
Record Drawing

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.



Rhonda L. Hice
PS NO. 11953
DRB # 94-312
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BOHANNAN-HUSTON INC.
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ALBUQUERQUE LAS CRUCES SANTA FE



VICINITY MAP

NOT TO SCALE

E232-E242

NOTICE TO CONTRACTORS

- 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 AND SHALL INCLUDE UPDATE No.6
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- 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 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. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THE PROJECT LIMITS NOT SHOWN ON THE PLANS THAT IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT DESIGNER'S EXPENSE.
- ANY WORK WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.

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 REQUESTOR 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.

REV.	SHEETS	DATE	ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
△	16A	8-4-97	Billy G. Hickey	6-13-97	R.W. Kane	7-30-97		
ENGINEERS STAMP & APPROVAL		APPROVALS		ENGINEER		DATE		
<i>Michio H. Hice</i> 5/8/97		DRC Chairman		Billy G. Hickey		6-13-97		
		Transportation		R.W. Kane		5-30-97		
		Water/Wastewater		R.W. Kane		5-13-97		
		Hydrology		R.W. Kane		5-13-97		
		CIP		R.W. Kane		5-13-97		
Constr. Mngmt.								
CITY PROJECT NO.		5097.93		SHEET		1		OF 22

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BY LASON

[illegible]

GENERAL NOTES

1. WHEN CONFLICTS EXIST BETWEEN THE "STANDARD SPECIFICATIONS" AND THE "PLANS" ("PLANS" SHALL MEAN THE SHEETS NUMBERED 1 OF 26 THROUGH 26 OF 26 ENTITLED "CONSTRUCTION PLANS FOR HIGHLANDS SUBDIVISION, UNIT 3"), THE CONSTRUCTION OBSERVER SHALL BE NOTIFIED IMMEDIATELY FOR RESOLUTION. IN GENERAL, THE PLANS SHALL GOVERN.
2. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS GOVERNING CONSTRUCTION SAFETY AND HEALTH.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
5. ALL ELECTRICAL, TELEPHONE, CABLE TV, AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS.
6. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN IN SERVICE, ALL EXISTING UTILITIES.
7. THE CONTRACTOR SHALL BE REQUIRED TO CONFINES ITS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHT-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. THE CONTRACTOR SHALL AT ALL TIMES TRY TO MINIMIZE THE DISTURBANCE TO THE EXISTING VEGETATION.
8. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, TOPSOIL DISTURBANCE AND EXCAVATION PERMITS, ETC.)
9. ALL TRENCHES AND EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED ACCORDING TO OSHA CONSTRUCTION SAFETY AND HEALTH STANDARDS. JOB SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. BLASTING USING EXPLOSIVES SHALL NOT BE PERMITTED. THE USE OF OTHER TECHNIQUES SHALL BE DONE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER AND THE CITY OF ALBUQUERQUE.
11. CONTRACTOR SHALL OBTAIN A COPY OF SOILS REPORT FROM THE CONSTRUCTION OBSERVER PRIOR TO BEGINNING CONSTRUCTION.
12. ALL STATIONING IS BASED ON STREET CENTERLINE, UNLESS OTHERWISE NOTED.
13. CONTRACTOR SHALL COORDINATE WITH PNM, US WEST, GAS CO. OF NM AND JONES INTERCABLE FOR THE INSTALLATION OF THEIR FACILITIES. CONTRACTOR SHALL SCHEDULE THOSE UTILITIES SO AS TO ALLOW WORK TO PROCEED IN A TIMELY MANNER BY THE CONTRACTOR AND THE UTILITY FIRMS.
14. THE CONTRACTOR SHALL CONFINES ITS WORK WITHIN THE CONSTRUCTION LIMITS. ANY WORK PERFORMED OUTSIDE THE CONSTRUCTION LIMITS, WITHOUT WRITTEN PERMISSION FROM THE OWNER, SHALL REQUIRE THE CONTRACTOR TO INSTALL BARRICADES AND OR FLAGGING, AS DIRECTED BY THE OWNER, AT THE CONTRACTORS EXPENSE. THE CONTRACTOR SHALL ALSO REVEGETATE ALL AREAS DISTURBED OUTSIDE THE CONSTRUCTION LIMITS, AS DIRECTED BY THE OWNER, AT THE CONTRACTORS EXPENSE, UNLESS OTHERWISE DIRECTED BY THE OWNER IN A LETTER.

WATERLINES REQUIREMENTS

1. WATER AND SEWER LINE CROSSINGS UNDER THE BRIDGES SHALL INCLUDE ONE 4" PVC FILLED WITH GROUT ABOVE THE WATER OR SEWER LINE AS SPECIFIED IN THE PLANS. THE 4" PVC WILL SERVE AS A WARNING SIGN IF THE WATER OR SEWER LINES ARE UNCOVERED BY A FLOOD OR EXCAVATION IN THE AREA.
2. TEMPORARY WATERLINE CONNECTIONS FOR CONSTRUCTION PURPOSES SHALL BE INCIDENTAL TO THE PROJECT. THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE CITY OF ALBUQUERQUE FOR USE OF EXISTING FIRE HYDRANTS FOR CONSTRUCTION WATER. THE COST OF PERMITS, METERS AND WATER USAGE SHALL BE INCIDENTAL TO OTHER BID ITEMS. CONTRACTOR SHALL ADVISE HIGH DESERT INVESTMENT CORP. OF WHICH HYDRANTS THEY PREFER TO USE FOR CONSTRUCTION WATER PRIOR TO OBTAINING PERMITS FROM THE CITY OF ALBUQUERQUE.

CONSTRUCTION SIGNING: UNLESS GOVERNED BY A SPECIFIC PLAN, THE FOLLOWING NOTES APPLY:

- A. ALL BARRICADES AND SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST DIVISION EDITION.
- B. CONTRACTOR SHALL PREPARE A CONSTRUCTION SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC DIVISION, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
- C. CONTRACTOR SHALL MAINTAIN ALL BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADES AT THE END AND BEGINNING OF EACH DAY.

SPECIAL NOTES FOR CONTRACTOR - CORPS 404 PERMIT REQUIREMENTS:

THE FOLLOWING CONDITIONS WERE PLACED ON THE PROJECT BY THE CORP OF ENGINEERS, SECTION 404, NATIONWIDE PERMIT:

1. AVOID DISTURBANCE TO THE GRAMA GRASS CACTUS WHEREVER POSSIBLE.
2. PROTECT FISH AND WILDLIFE RESOURCES

A. STORE FUELS, LUBRICANTS, HYDRAULIC FLUIDS AND OTHER PETROCHEMICALS OUTSIDE THE 100-YEAR FLOODPLAIN.

B. INSPECT CONSTRUCTION EQUIPMENT DAILY TO ENSURE THAT NO LEAKS OR DISCHARGES OR LUBRICANTS, HYDRAULIC FLUIDS OR FUELS OCCUR IN THE AQUATIC OR RIPARIAN ECOSYSTEM, AND

C. CONTAIN PETROCHEMICAL SPILLS, INCLUDING CONTAMINATED SOIL, AND DISPOSE AT AN UPLAND SITE.
3. CONSTRUCTION WITHIN 200 FEET OF ARCHEOLOGICAL SITES ELIGIBLE FOR THE NATIONAL REGISTER OF HISTORIC PLACES (LA 86078, LA 86079, LA 99727) WILL NOT BEGIN UNTIL AFTER THE CROPS HAS NOTIFIED YOU THAT COORDINATION WITH THE NEW MEXICO STATE HISTORIC PRESERVATION OFFICER IS COMPLETE.
4. THE CORPS WILL BE NOTIFIED IMMEDIATELY IF ANY PREVIOUSLY UNDISCOVERED CULTURAL RESOURCES ARE ENCOUNTERED DURING ANY CONSTRUCTION OPERATIONS. CONSTRUCTION WILL CEASE IN THE IMMEDIATE VICINITY OF THE RESOURCE UNTIL THE SIGNIFICANCE AND DISPOSITION OF THE RESOURCE HAS BEEN EVALUATED IN ACCORDANCE WITH CODE OF FEDERAL REGULATIONS 36 (CFR) 800.11.

MISCELLANEOUS NOTES:

1. ALL BOULDERS ENCOUNTERED DURING THE COURSE OF CONSTRUCTION SHALL BE PRESERVED AND STOCK PILED BY CONTRACTOR AT A LOCATION, ON SITE, DETERMINED BY OWNER.
2. CONTRACTOR SHALL MAINTAIN IN PLACE ALL EXISTING FENCES AND KEEP ALL GATES LOCKED AT NIGHT AND WHEN NOT PRESENT ON SITE.

RECLAMATION NOTES

1. SEE SUPPLEMENT SPECIFICATION BOOKLET ENTITLED "HIGH DESERT COMMUNITY RESTORATION AND ENHANCEMENT PLAN" DATED NOVEMBER 1994 FOR RESTORATION AND ENHANCEMENT PLAN SPECIFICATIONS.
2. ALL DISTURBED AREAS SHALL BE RESTORED IN ACCORDANCE WITH THE SPECIFICATIONS PROVIDED IN THE ABOVE MENTIONED SPECIFICATION BOOKLET.
3. WORK AREAS SHALL BE LIMITED TO DESIGNATED ROAD RIGHT-OF-WAY AND WATERLINE EASEMENTS AS SHOWN ON THE PLANS. WORK OUTSIDE OF THE RIGHT-OF-WAY OR WATERLINE EASEMENTS IN EITHER CITY OPEN SPACE OR HIGH DESERT PROPERTY IS NOT ALLOWED WITHOUT WRITTEN CONSENT FROM CITY OPEN SPACE DIVISION AND HIGH DESERT INVESTMENT CORPORATION.
4. COMMENTS OR QUESTIONS CONCERNING THE RESTORATION SPECIFICATIONS SHALL BE DIRECTED TO EITHER THE CONSTRUCTION OBSERVER OR THE LANDSCAPE ARCHITECT.
5. ANY SUBSTITUTION OF PLANT SEED MATERIAL MUST BE APPROVED IN WRITING BY THE CONSTRUCTION OBSERVER. ADDITIONALLY, IF THE SUBSTITUTE MATERIAL IS TO BE USED IN CITY OPEN SPACE IT MUST BE APPROVED BY CITY OPEN SPACE DIVISION.
6. THE CONTRACTOR SHALL WARRANT THE RECLAMATION WORK FOR A PERIOD OF TWO (2) GROWING SEASONS, CONTINGENT UPON ACCEPTANCE BY HIGH DESERT.

CONSTRUCTION ACCESS:

1. THE HIGHLANDS SUBDIVISION-UNIT 3 CONTRACTOR SHALL ACCESS FROM THE ACADEMY/TRAMWAY OR SPAIN /TRAMWAY INTERSECTIONS ONLY. ACCESS THROUGH THE HIGH DESERT DEVELOPMENT MUST BE COORDINATED AND APPROVED BY THE HIGH DESERT INVESTMENT CORP. DIRECT ACCESS INTO THE HIGHLANDS PROJECT MAY BE TAKEN ONLY FROM THE INTERSECTION OF HIGH DESERT ST. AND ELENA CALLEGOS PL.
2. THE HIGHLANDS SUBDIVISION CONTRACTOR SHALL COOPERATE IN ALLOWING ACCESS FOR OTHER PROJECTS UNDER CONSTRUCTION NEAR THE HIGHLANDS DEVELOPMENT. PROJECTS WHICH MAY BE UNDER CONSTRUCTION DURING THE SAME TIME AS THE HIGHLANDS.

EXISTING UTILITIES:

THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION, DISCUSSIONS WITH LOCAL UTILITIES, ENGINEERING OFFICIALS, AND PREVIOUS CONSTRUCTION DRAWINGS PROVIDED TO OR OBTAINED BY THE ENGINEER. IT IS POSSIBLE THAT THE EXACT LOCATION OF LINES IN THE IMMEDIATE VICINITY OF THE PROJECT MAY BE SLIGHTLY DIFFERENT FROM THE LOCATION SHOWN ON THIS DRAWING. IF ADDITIONAL LINES ARE ENCOUNTERED, THEY SHALL BE EXPOSED AND IDENTIFIED BY THIS CONTRACTOR. WHERE ADDITIONAL LINES AND/OR DIFFERING LOCATIONS ARE ENCOUNTERED, THIS CONTRACTOR SHALL REQUEST THAT THE ENGINEER MAKE A RULING AS TO ANY NECESSARY CHANGE OF MATERIALS, RE-ROUTING, ABANDONING OR RELOCATING OF SUCH LINES. GAS COMPANY, PNM, US WEST AND/OR CABLE TV SHALL BE THE SOLE AUTHORITY IN RULING ON THE DISPOSITION OF THEIR EXISTING LINES. ALL LINES ENCOUNTERED THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED TO CLEAR CONSTRUCTION (IF ACTIVE) AND SHALL BE REMOVED (IF INACTIVE) BY THIS CONTRACTOR UNDER THIS CONTRACT. ALL BIDDERS ARE CAUTIONED TO INVESTIGATE SITE CONDITIONS BEFORE SUBMITTING THEIR BIDS. ALL EXISTING PIPING SHALL HAVE A MINIMUM EARTH COVERAGE AND DEPTHS SHALL BE ADJUSTED AS REQUIRED TO PROVIDE MINIMUM COVERAGE DUE TO NEW GRADES OR CONSTRUCTION. CONTRACTOR SHALL PAY FOR ANY AND ALL COSTS OF PERMITS, LINE EXTENSIONS, FIRELINES, METER INSTALLATION, ETC., AS REQUIRED BY LOCAL GOVERNING UTILITIES ENGINEERING OFFICIALS.

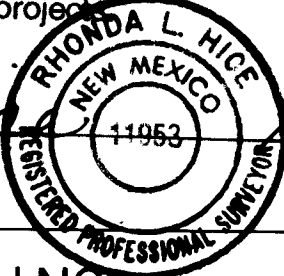
EROSION CONTROL MEASURES:

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY. THIS MAY BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE CONSTRUCTION LIMITS AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
3. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION. THE COST OF REQUIRED EROSION CONTROL MEASURES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT COST.
4. DURING THE MONTHS OF JULY, AUGUST, OR SEPTEMBER, ANY GRADING WITHIN OR ADJACENT TO A WATERCOURSE DEFINED AS A MAJOR FACILITY SHALL PROVIDE FOR EROSION CONTROL AND THE SAFE PASSAGE OF THE 10-YEAR DESIGN STORM RUNOFF DURING THE CONSTRUCTION PHASE.

Record Drawing

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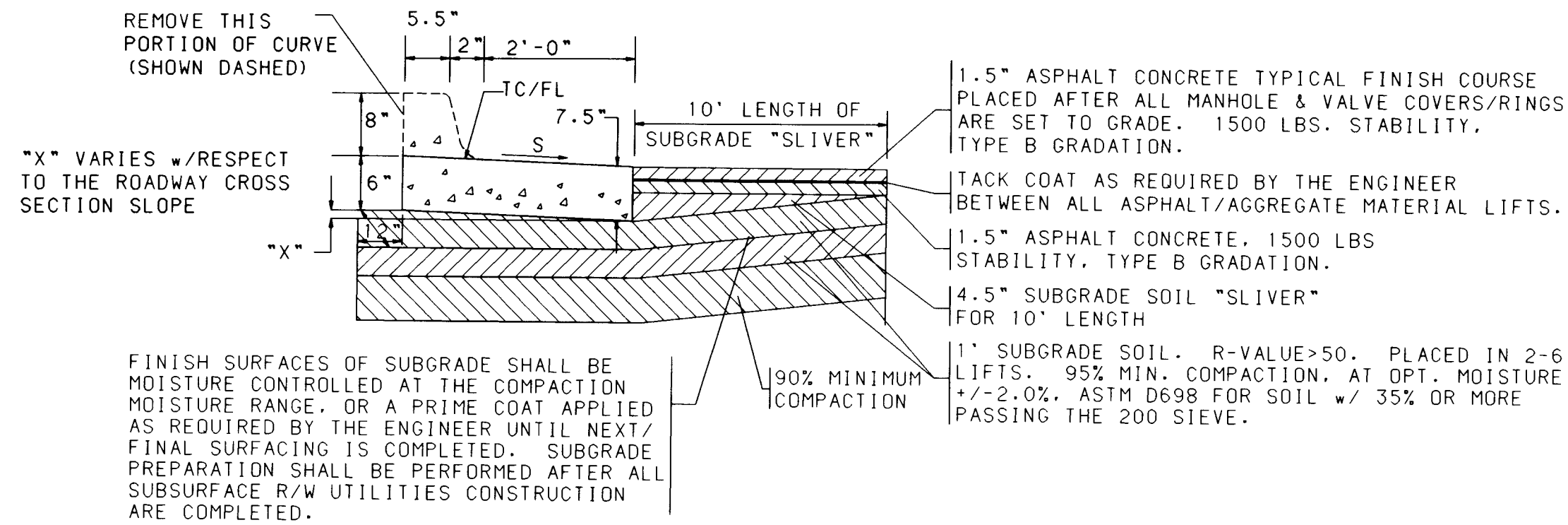
APPROVED FOR THE CITY

Michael H. Hice
5/8/97

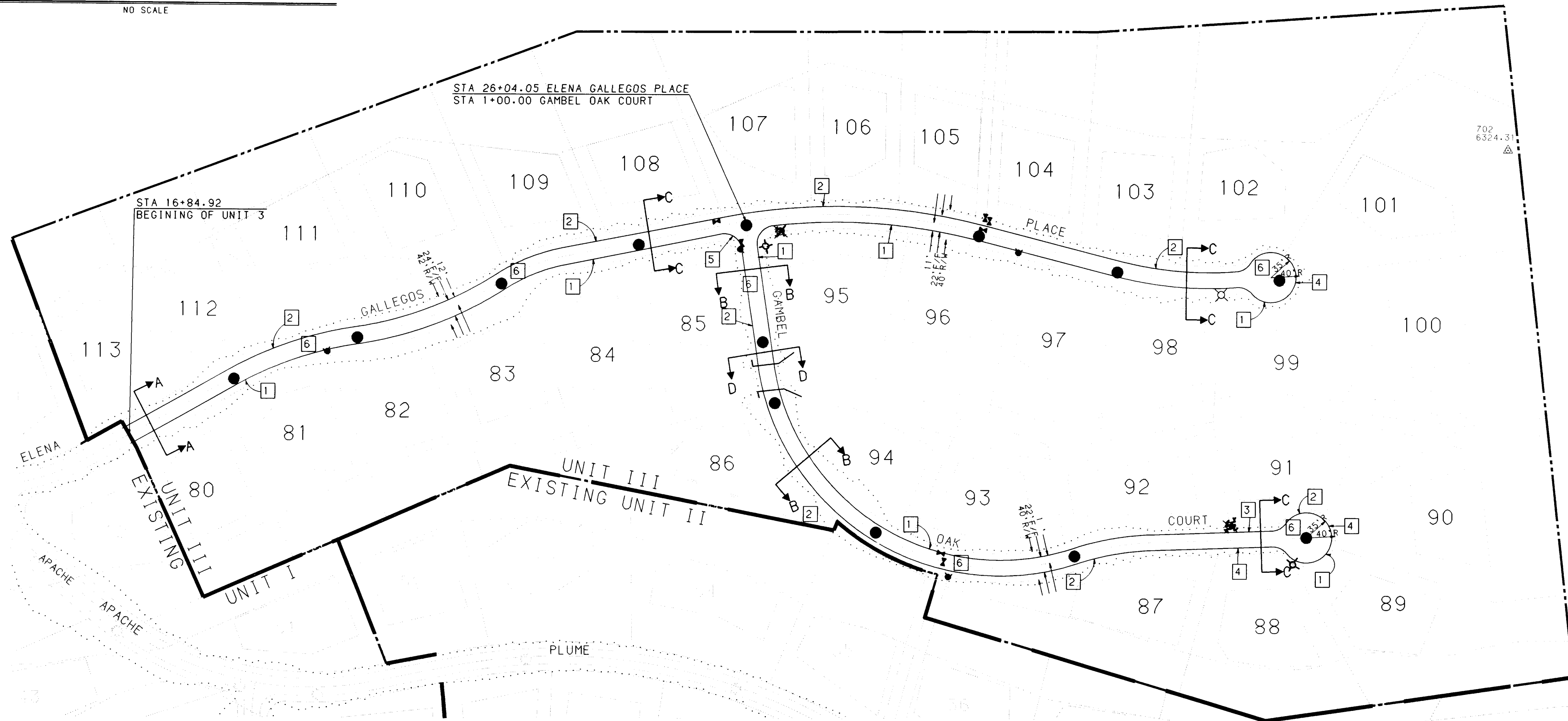
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
HIGHLANDS SUBDIVISION UNIT - 3 GENERAL NOTES			
DESIGN REVIEW BOARD NO.	APPROVAL DATE	LAST DESIGN UPDATE	MO./DAY/YR.
			MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5097.93	E23Z-E24Z	4	22



TYPICAL SUBDIVISION PAVEMENT SECTION w/DEPRESSED GUTTER (MODIFIED)



- KEYED NOTES**
- 1 DEPRESSED GUTTER TYPE CURB (MODIFIED) SEE DETAIL THIS SHEET.
 - 2 RUNDOWN CURB TYPE AS PER STD. DWG. 2415
 - 3 TRANSITION FROM DEPRESSED GUTTER (MODIFIED) TO RUNDOWN CURB TYPE IN 10 LF.
 - 4 TRANSITION FROM RUNDOWN CURB TO DEPRESSED GUTTER (MODIFIED) IN 10 LF.
 - 5 TRANSITION FROM DEPRESSED GUTTER (MODIFIED) TO RUNDOWN CURB TYPE THROUGH CURB RETURN.
 - 6 BUILD RESIDENTIAL STREET PAVEMENT SECTION SEE TYPICAL RESIDENTIAL PAVEMENT SECTION, THIS SHEET

- LEGEND**
- PROJECT BOUNDARY
 - PROPOSED CURB & GUTTER
 - EXISTING CURB & GUTTER
 - FUTURE DEVELOPMENT
 - PROPOSED SAS MANHOLE
 - EXISTING SAS MANHOLE
 - PROPOSED FIRE HYDRANT
 - EXISTING FIRE HYDRANT
 - PROPOSED GATE VALVE
 - EXISTING GATE VALVE
 - PROPOSED STREET LIGHT
 - BUILDING ENVELOPE
 - EXTENT OF GRADE

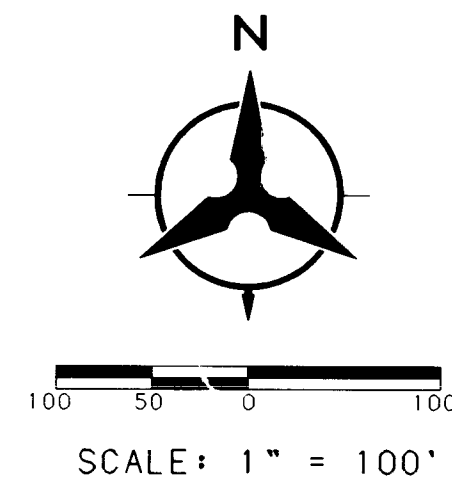
NOTE:
FOR CROSS SECTIONS ABOVE

A-A: SEE SHEET 7 OF 22
B-B: SEE SHEET 7 OF 22
C-C: SEE SHEET 7 OF 22
D-D: SEE SHEET 7 OF 22

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PS NO. 11953
Date 10/97



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

HIGHLANDS SUBDIVISION UNIT - 3
PAVING PLAN

DESIGN REVIEW BOARD NO.	APPROVAL DATE	MO/DAY/YR	MO/DAY/YR

CITY PROJECT NO. 5097.93

LAST DESIGN UPDATE

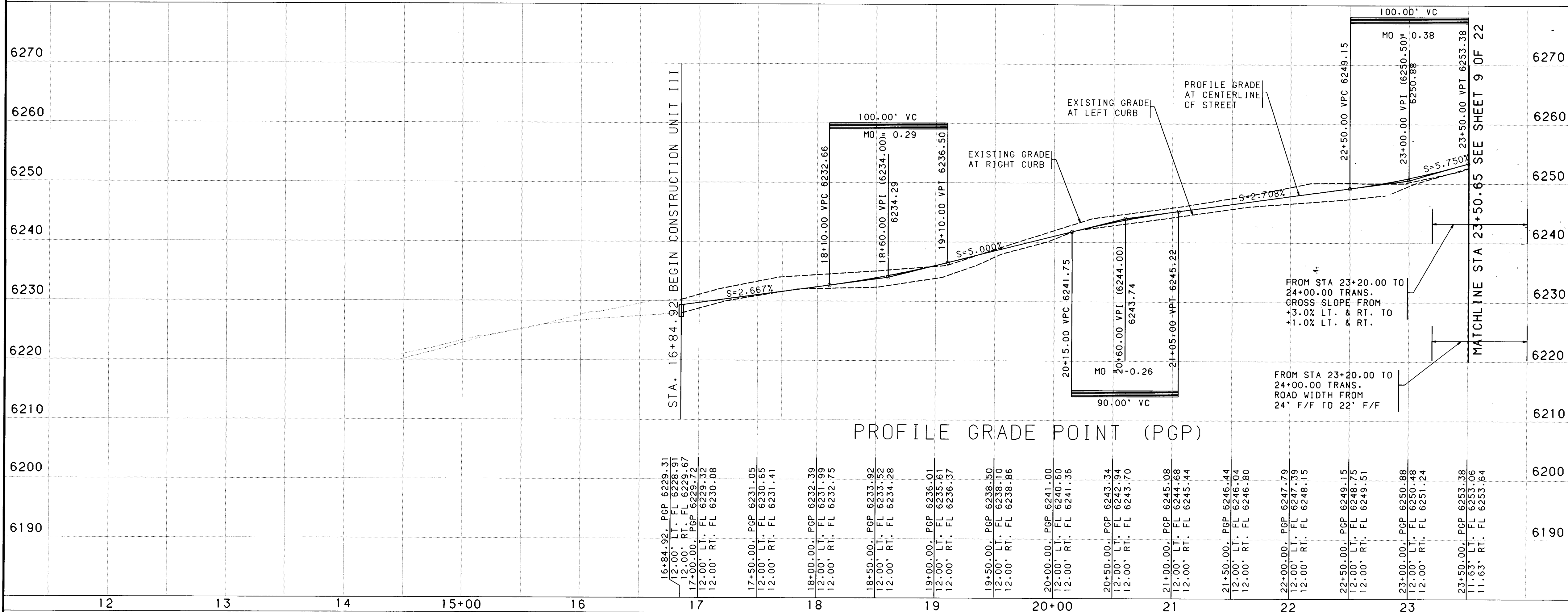
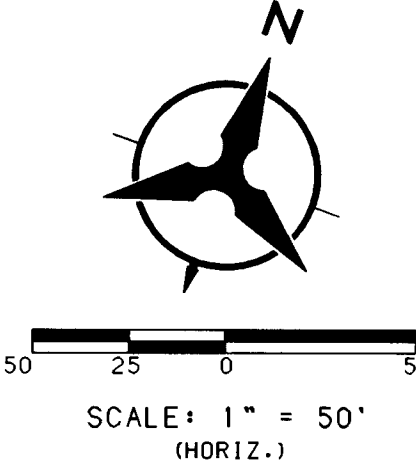
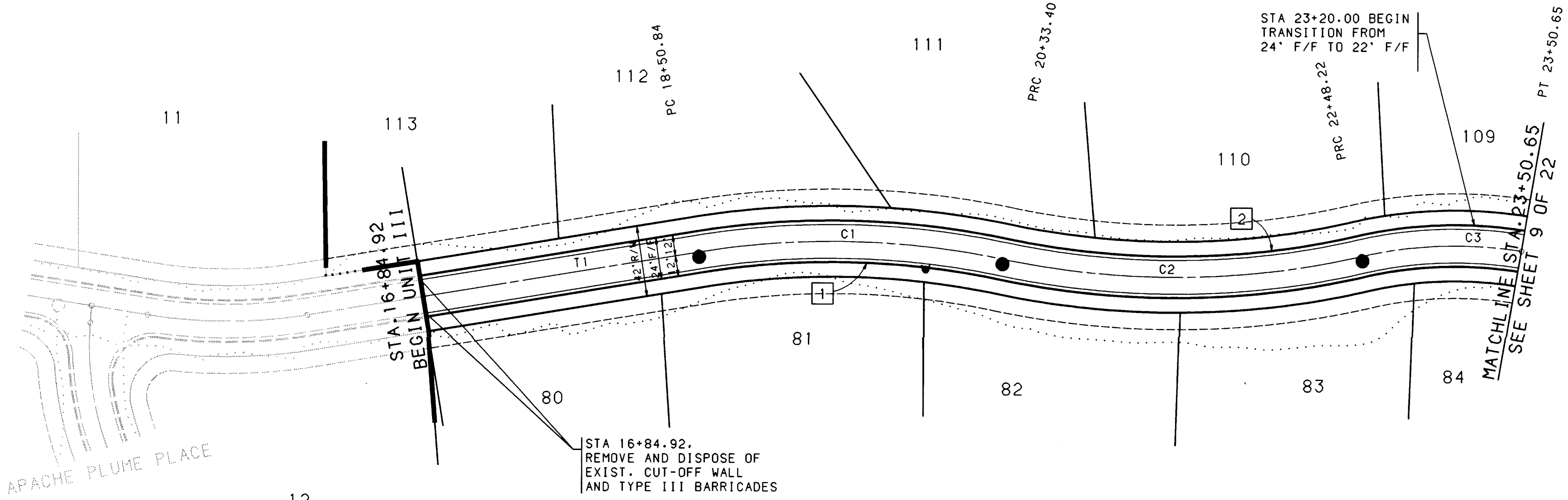
ZONE MAP NO. E23Z-E24Z

SHEET 6 OF 22

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TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N60° 43' 40"E	165.92'

CENTERLINE CURVE DATA					
NUMBER	PI STA.	DEGREE	TANGENT	LENGTH	RADIUS
C1	1+34.66	20°55'12.5"	92.31'	182.56'	500.00'
C2	9+13.15	24°37'11.0"	109.10'	214.82'	500.00'
C3	9+94.26	21°52'10.4"	48.30'	95.42'	250.00'



PROFILE GRADE POINT (PGP)

- NOTES**
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. ALL CURB RETURN RADIUS SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE UNLESS OTHERWISE SPECIFIED.
 5. CONTRACTOR IS TO INSTALL A 4"x4"x5" POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
 6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
 9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
 11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

- KEYED NOTES**
1. INSTALL DEPRESSED GUTTER TYPE CURB (MODIFIED) AS PER THE DETAIL ON SHEET 6 OF 22
 2. INSTALL RUNDOWN CURB TYPE AS PER STD DWG 2415.

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice
Rhonda L. Hice
PS NO. 11953
Date 10/97

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE HIGHLANDS AT HIGH DESERT UNIT - 3
PAVING PLAN & PROFILE
ELENA GALLEGOS PLACE STA 16+84.92 TO 23+50.65

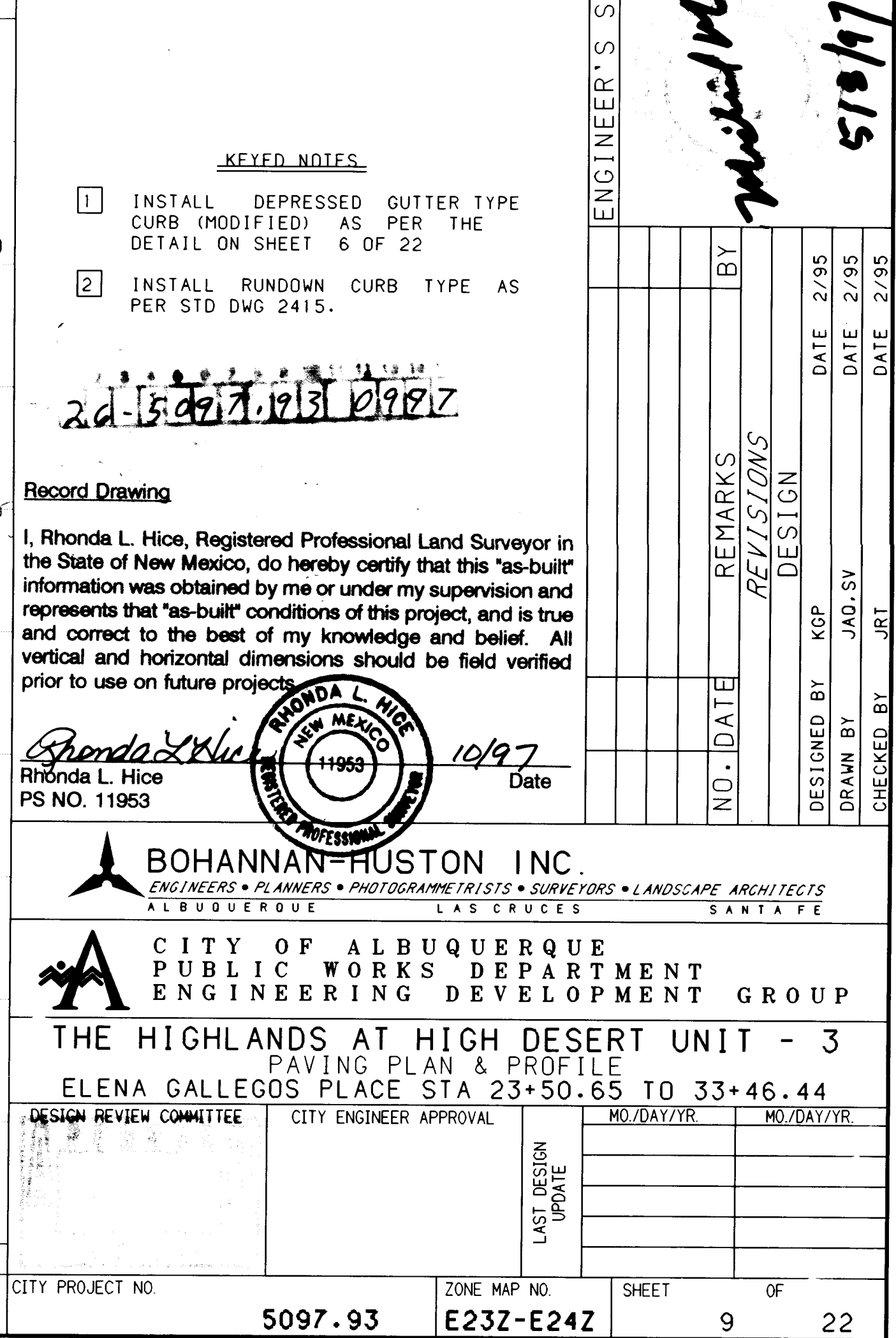
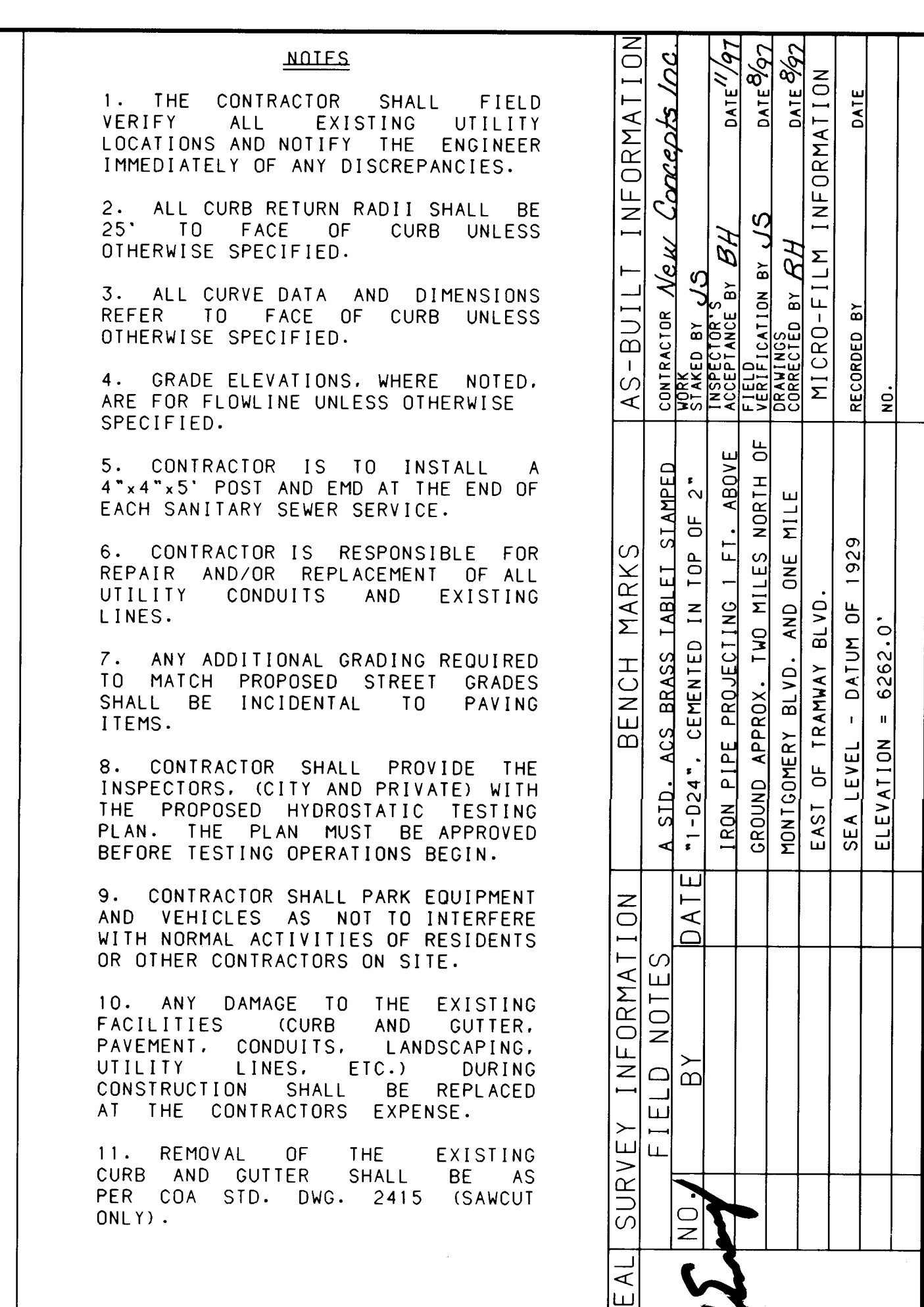
DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

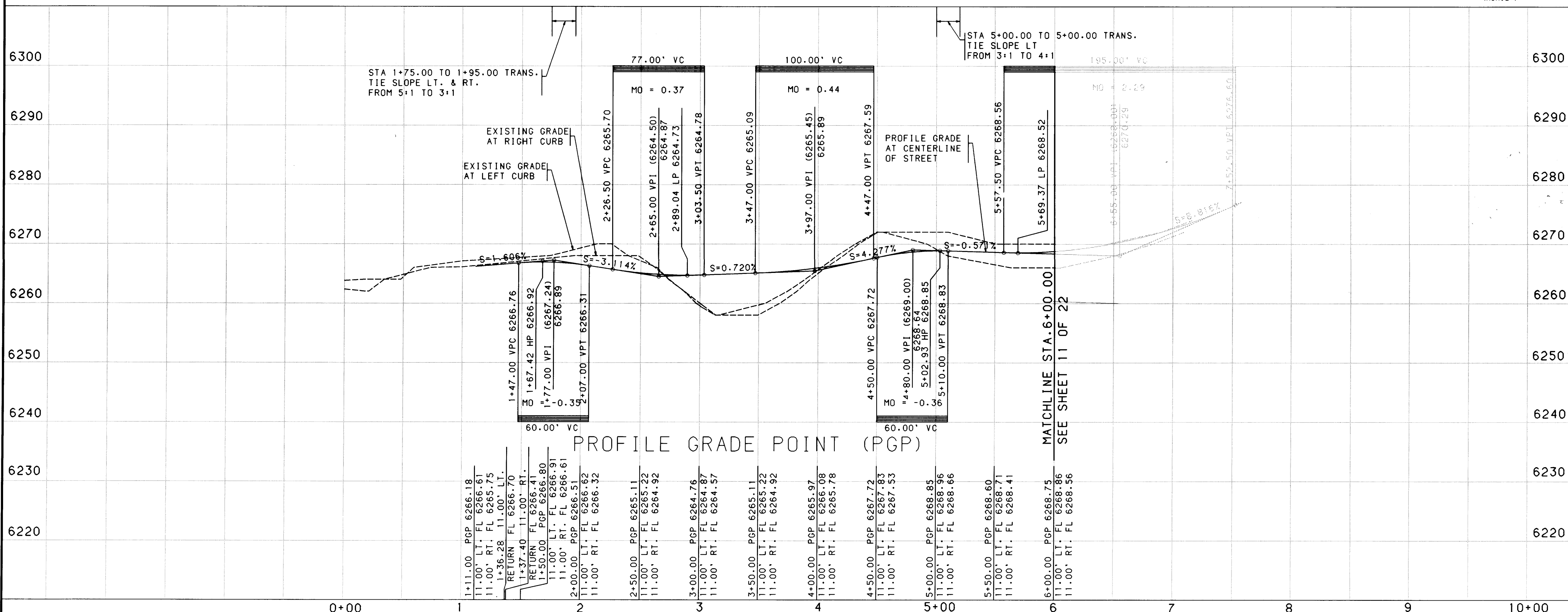
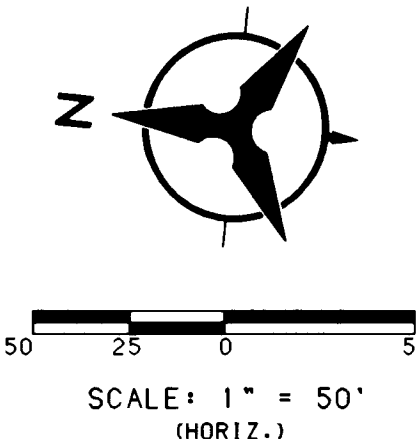
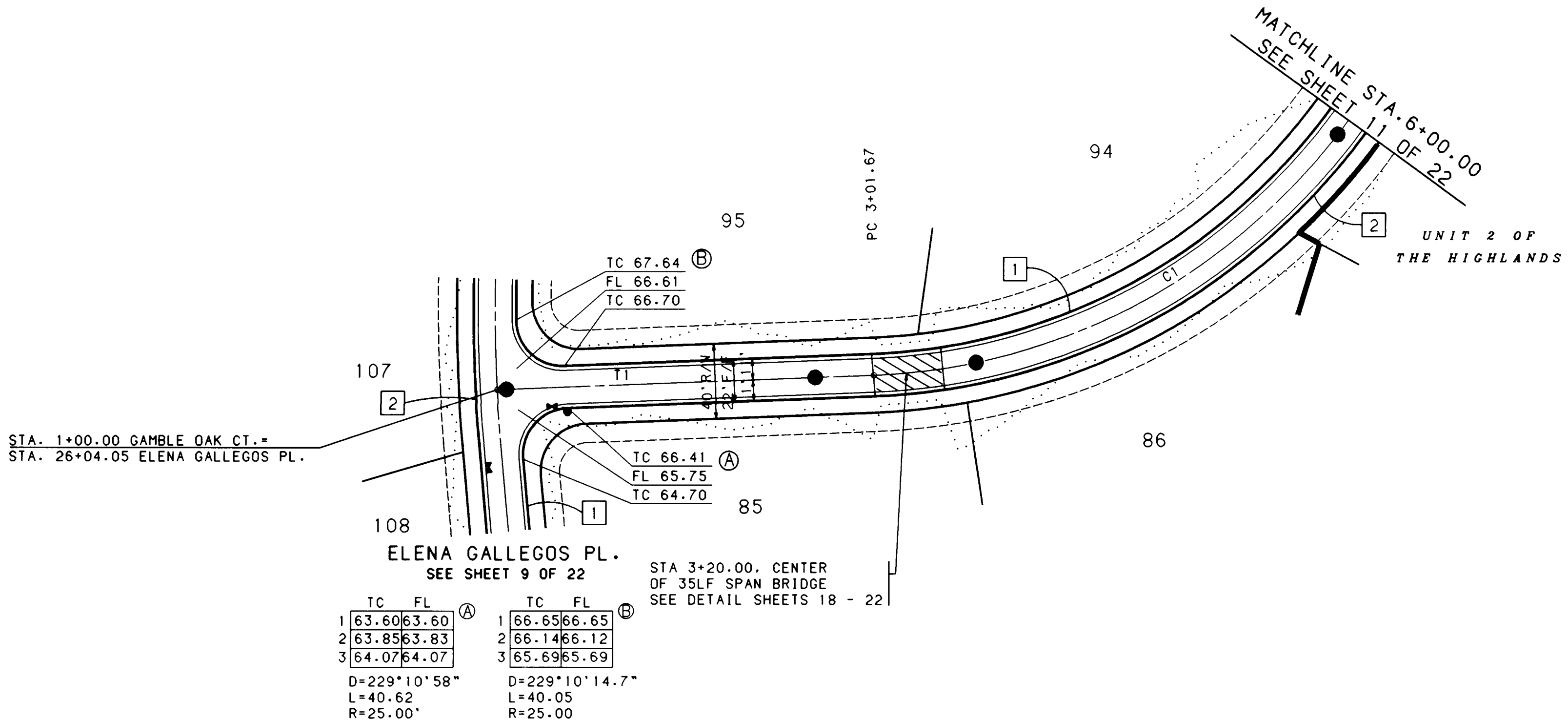
MO/DAY/YR. MO/DAY/YR.

CITY PROJECT NO. **5097-93** ZONE MAP NO. **E23Z-E24Z** SHEET **8** OF **22**

DATE: MARCH, 1997



TANGENT DATA			CENTERLINE CURVE DATA				
NUMBER	BEARING	DISTANCE	NUMBER	PI STA.	DELTA	TANGENT	RADIUS
T1	S08°15'11"E	201.67'	C1	15+75.14	100° 8' 57.7"	394.32'	330.00'



- NOTES**
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 11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

- KEYED NOTES**
1. INSTALL DEPRESSED GUTTER TYPE CURB (MODIFIED) AS PER THE DETAIL ON SHEET 6 OF 22
 2. INSTALL RUNDOWN CURB TYPE AS PER STD DWG 2415.

RECORD DRAWING

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice
PS NO. 11953
Date 10/97

BOHANNAN HUSTON INC.
ENGINEERS • PLANNERS • SURVEYORS • PHOTOGRAMMETRISTS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

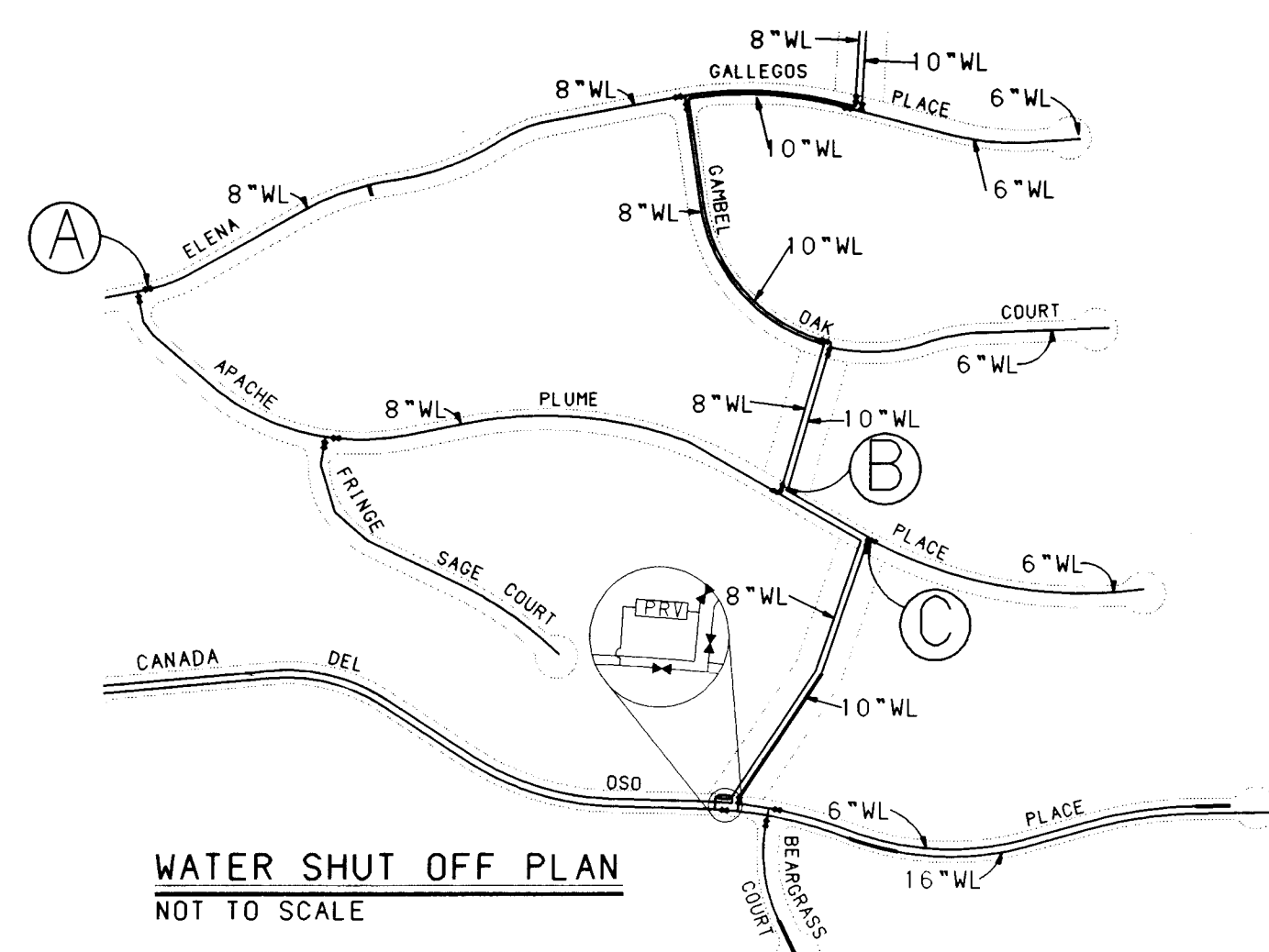
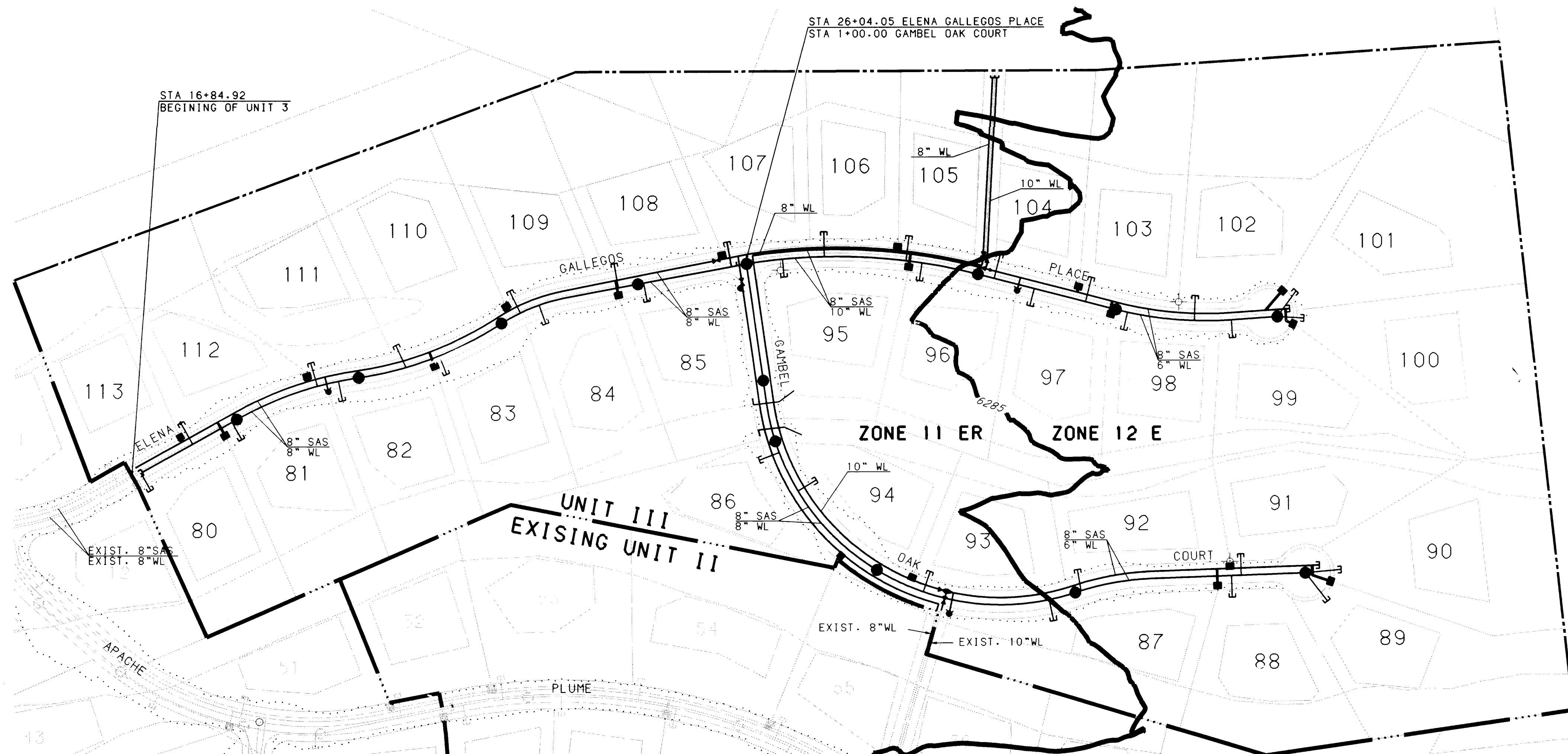
THE HIGHLANDS AT HIGH DESERT UNIT - 3
PAVING PLAN & PROFILE
GAMBEL OAK COURT STA 1+00.00 TO 6+00.00

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

CITY PROJECT NO. 5097.93
ZONE MAP NO. E23Z-E24Z
SHEET 10 OF 22

AS-BUILT INFORMATION		BENCH MARKS		ENGINEER'S SEAL		SURVEY INFORMATION		FIELD NOTES		NO.	
CONTRACTOR	NEW CONCEPTS	A STD. ACS BRASS TABLE STAMPED	1"-024" CEMENTED IN TOP OF 2"		BY	DATE	DATE	DATE	DATE	DATE	DATE
INSPECTOR'S	DATE 11/97	IRON PIPE PROJECTING 1 FT. ABOVE	GROUND APPROX. TWO MILES NORTH OF			DATE 11/97	DATE 11/97	DATE 11/97	DATE 11/97	DATE 11/97	DATE 11/97
VERIFICATION BY	DATE 11/97	MONTGOMERY BLVD. AND ONE MILE	EAST OF TRAMWAY BLVD.								
CORRECTED BY	DATE 11/97	SEA LEVEL - DATUM OF 1929	ELEVATION = 6262.0'								
MICRO-FILM INFORMATION											
RECORDED BY	DATE										
NO.											

SCANNED BY
BY LASON



WATER SHUT-OFF REQUIREMENTS:

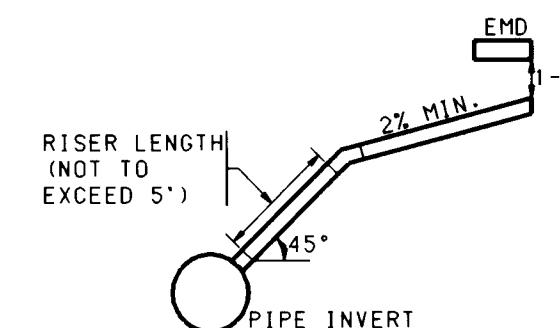
CONTRACTOR WILL BE RESPONSIBLE FOR THE TIMING AND COORDINATION OF THE WATER SHUT-OFF REQUIREMENTS IN CONJUNCTION WITH THE COMPLETION OF THIS PROJECT.

AT LEAST THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT PWD/WATER SYSTEMS DIVISION (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUT-OFF PLAN.

WATER SHUT-OFF PLAN:

- | | |
|---|----------------------|
| A. EAST OF THE INTERSECTION OF ELENA GALLEGOS PL. & APACHE PLUM PL HIGHLANDS - UNIT 1 PLANS NON-PRESSURE CONNECTION | CLOSE VALVE (S) |
| B. APACHE PLUM PL & NW PUBLIC WL EASEMENT HIGHLANDS - UNIT 2 PLANS NON-PRESSURE CONNECTION | "A" (8" GATE VALVE) |
| C. APACHE PLUM PL & SE PUBLIC WL EASEMENT HIGHLANDS - UNIT 2 PLANS NON-PRESSURE CONNECTION | "B" (8" GATE VALVE) |
| | "C" (10" GATE VALVE) |

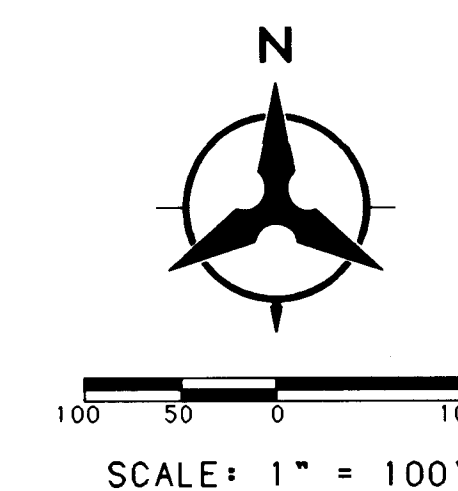
NOTE: VALVES "A", "B" AND "C", ARE NOT SHOWN ON THE COA AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAPS AND ARE FOR THIS REASON LABELED AS SUCH FOR THIS PLAN ONLY. THE CONTRACTOR SHALL COORDINATE THE SHUT-OFF PLAN WITH THE CONSTRUCTION PROJECT OBSERVER.



SERVICE RISER DETAIL
(SERVICE CONNECTION & INSTALLATION TO CONFORM TO COA STD. DWG. 2134. USE C1 SOIL PIPE ONLY)

LEGEND	
PROJECT BOUNDARY	---
UNIT BOUNDARY	---
PROPOSED CURB & GUTTER	---
EXISTING CURB & GUTTER	---
PROP. WATER METER SERVICE	---
EXIST. WATER METER SERVICE	---
PROPOSED FIRE HYDRANT	---
EXISTING FIRE HYDRANT	---
PROPOSED GATE VALVE	---
EXISTING GATE VALVE	---
PROPOSED SAS MANHOLE	---
EXISTING SAS MANHOLE	---
PROPOSED SAS LINE	---
EXISTING SAS LINE	---
PROPOSED WATER LINE	---
EXISTING WATER LINE	---
PROPOSED SAS SERVICE	---
EXISTING SAS SERVICE	---
BUILDING ENVELOPE	---
FUTURE DEVELOPMENT	---
FUTURE UTILITIES	---

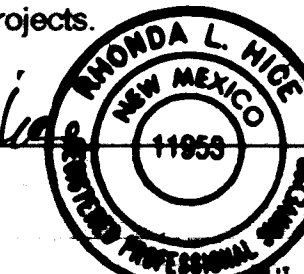
201-5097-193-11297



Record Drawing

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Rhonda L. Hice
PS NO. 11953
Date 10/97



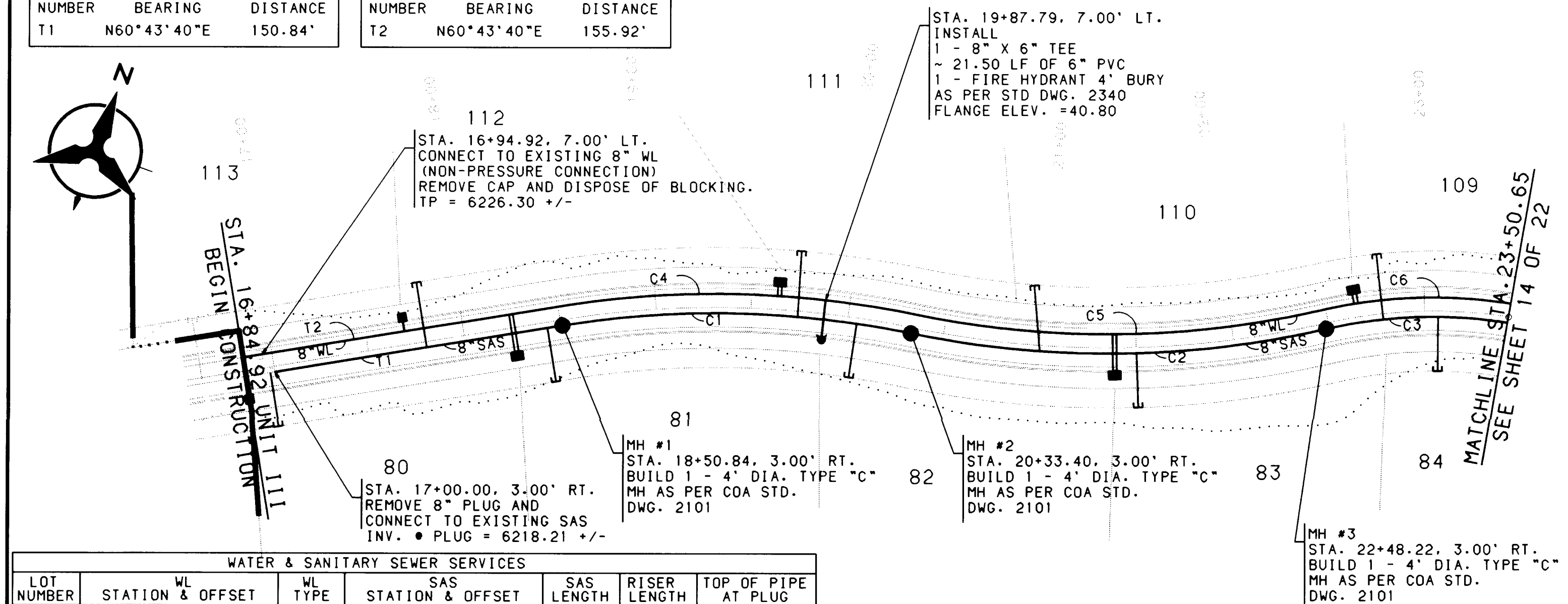
SCANNED BY
BY LASON

BOHANNAN-HUSTON INC. ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS ALBUQUERQUE LAS CRUCES SANTA FE	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
HIGHLANDS SUBDIVISION UNIT - 3 UTILITY PLAN	
DESIGN REVIEW BOARD NO. APPROVAL DATE	MO/DAY/YR. MO/DAY/YR. LAST DESIGN UPDATE
CITY PROJECT NO. 5097.93	ZONE MAP NO. E23Z-E24Z
SHEET 12	OF 22
COPYRIGHT BOHANNAN-HUSTON, INC. 897 DATE: MARCH, 1997	

SAS CENTERLINE CURVE DATA					
NUMBER	PI STA.	DEGREE	TANGENT	LENGTH	RADIUS
C1	19+42.59	20°55'12.5"	91.76'	181.47'	497.00'
C2	21+43.15	24°37'11.0"	109.75'	216.11'	503.00'
C3	22+95.94	21°52'10.4"	47.72'	94.28'	247.00'

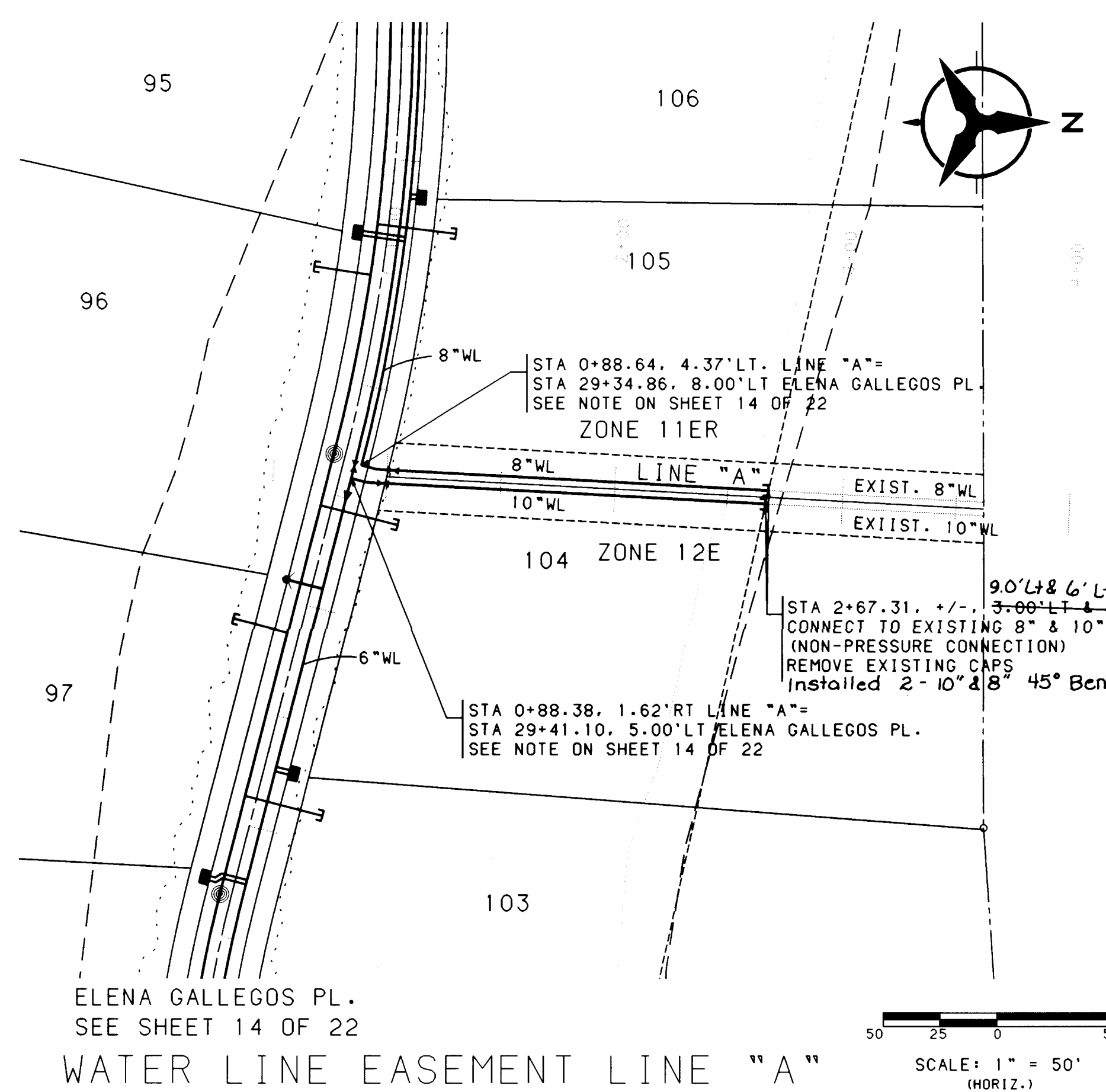
SAS TANGENT DATA			WATERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE	NUMBER	BEARING	DISTANCE
T1	N60°43'40"E	150.84'	T2	N60°43'40"E	155.92'

WATER CENTERLINE CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	LENGTH	RADIUS
C4	19+44.44	20°55'12.5"	93.60'	185.12'	507.00'
C5	21+40.97	24°37'11.0"	107.57'	211.82'	493.00'
C6	22+97.88	21°52'10.4"	49.65'	98.10'	257.00'



WATER & SANITARY SEWER SERVICES						
LOT NUMBER	STATION & WL	WL TYPE	STATION & OFFSET	SAS LENGTH	RISER LENGTH	TOP OF PIPE AT PLUG
80	18+25.36, 7.00'LT.	DOUBLE	16+97.69, 3.00'RT.	28.00'	---	20.38
81			18+47.62, 3.00'RT.	28.00'	5.00'	31.31
82	21+39.04, 7.00'LT.	DOUBLE	20+04.96, 3.00'RT.	28.00'	5.00'	38.44
83			21+50.10, 3.00'RT.	28.00'	5.00'	42.96
84	24+20.16, 7.00'LT.	DOUBLE	23+07.00, 3.00'RT.	28.00'	4.00'	49.36
85			SEE SHEET 14 OF 23	---	5.00'	---
109	22+65.75, 7.00'LT.	DOUBLE	22+78.44, 3.00'RT.	34.00'	---	45.67
110			21+00.51, 3.00'RT.	34.00'	---	38.34
111	19+64.39, 7.00'LT.	DOUBLE	19+74.45, 3.00'RT.	34.00'	---	33.86
112			17+80.12, 3.00'RT.	34.00'	---	24.77
113	17+70.13, 7.00'LT.	SINGLE	EXISTING UNIT-1	---	---	18.25

ELENA GALLEGOS PLACE



NOTES

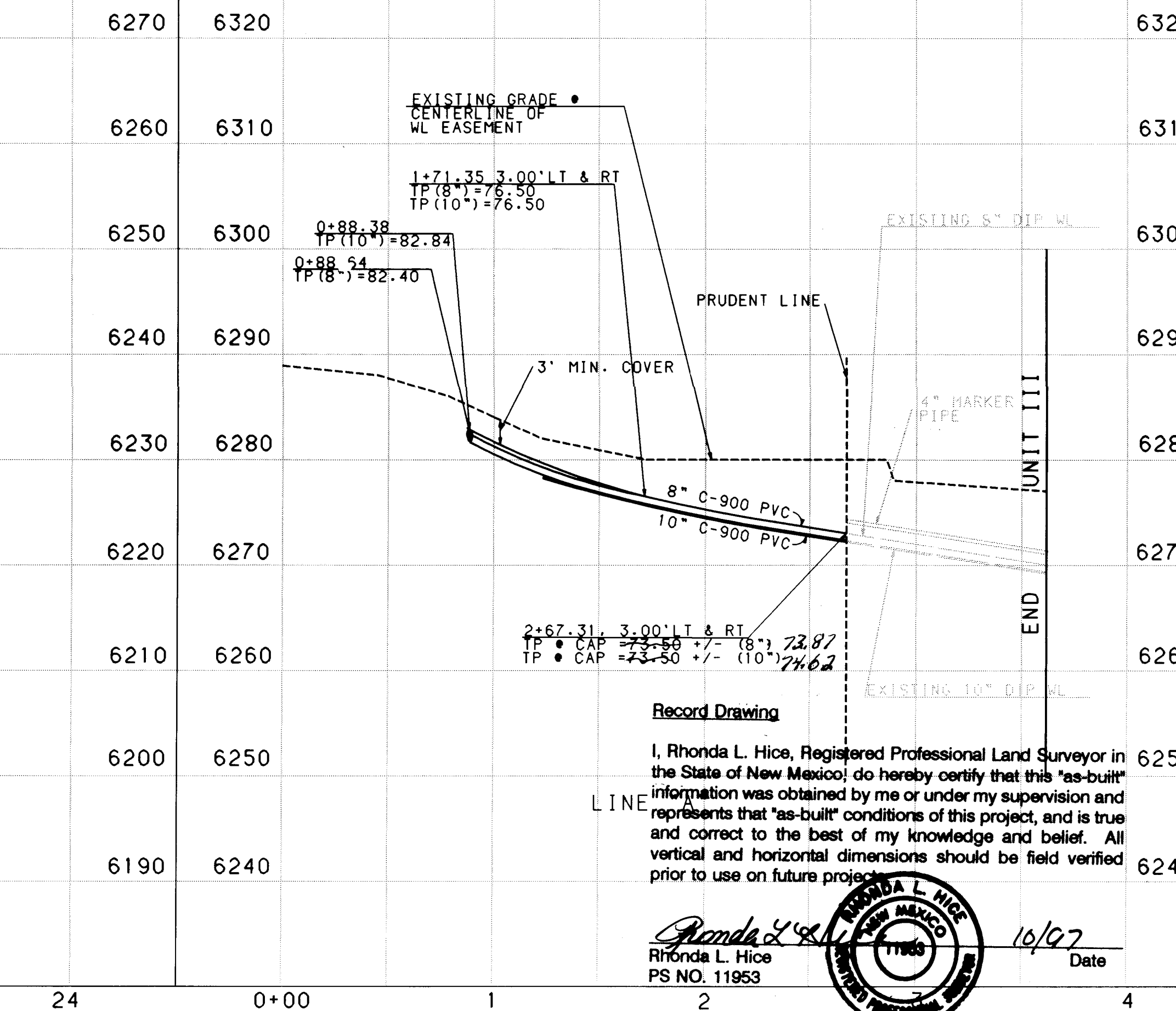
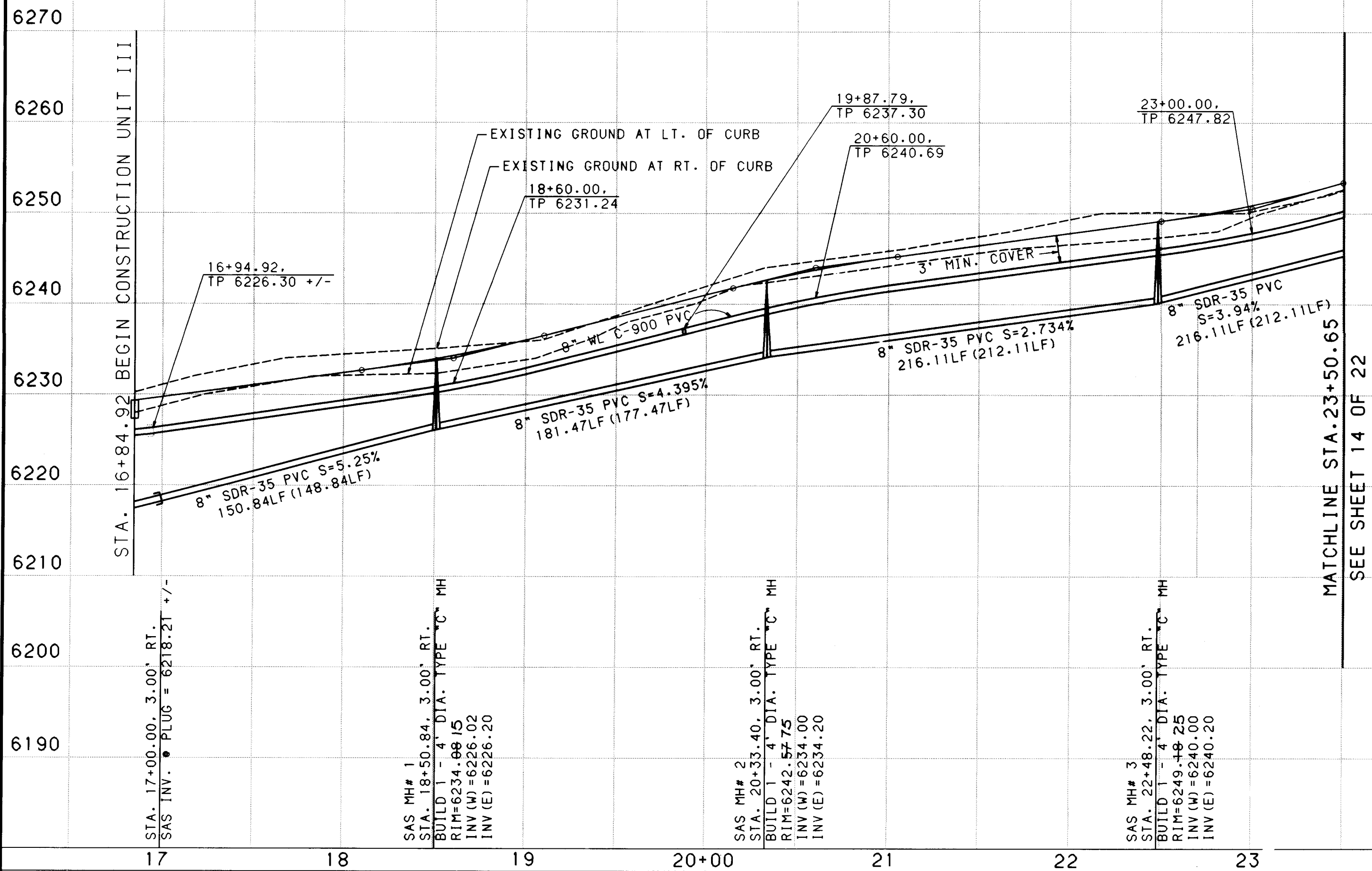
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- ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING 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 AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

AS-BUILT INFORMATION

CONTRACTOR SHALL SUBMIT AS-BUILT INFORMATION TO THE ENGINEER FOR REVIEW AND APPROVAL. THE AS-BUILT INFORMATION SHALL BE SUBMITTED IN THE FORM OF A SEPARATE SHEET, TO BE SUBMITTED WITH THE FINAL AS-BUILT SET OF PLANS. THE AS-BUILT INFORMATION SHALL BE SUBMITTED IN THE FORM OF A SEPARATE SHEET, TO BE SUBMITTED WITH THE FINAL AS-BUILT SET OF PLANS.

ENGINEER'S SEAL SURVEY INFORMATION

BY: *Rhonda L. Hice*
 NO. 11953
 DATE: 10/97



RESTRAINED JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS FROM EACH SIDE OF HJ LISTED (6")	(8")	(10")	(16")
11.25" H BEND	2'	3'	3'	5'
22.50" H BEND	4'	5'	6'	10'
45" H BEND	8'	11'	13'	21'
90" H BEND	20'	26'	31'	50'
GATE VALVE	55'	72'	86'	---
BTRFLY VALVE	---	---	---	108'
CAP	55'	72'	86'	108'

REVISIONS

NO.	DATE	REMARKS
1	10/97	DESIGN

BOHANNAN-HUSTON INC.

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 ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP

THE HIGHLANDS AT HIGH DESERT UNIT - 3

UTILITY PLAN & PROFILE
 ELENA GALLEGOS PLACE STA 16+84.92 TO 23+50.65/WATERLINE EASEMENT LINE "A"

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL	MO/DAY/YR	MO/DAY/YR

LAST DESIGN UPDATE

DESIGNER	DATE

CITY PROJECT NO.

5097.93

ZONE MAP NO.

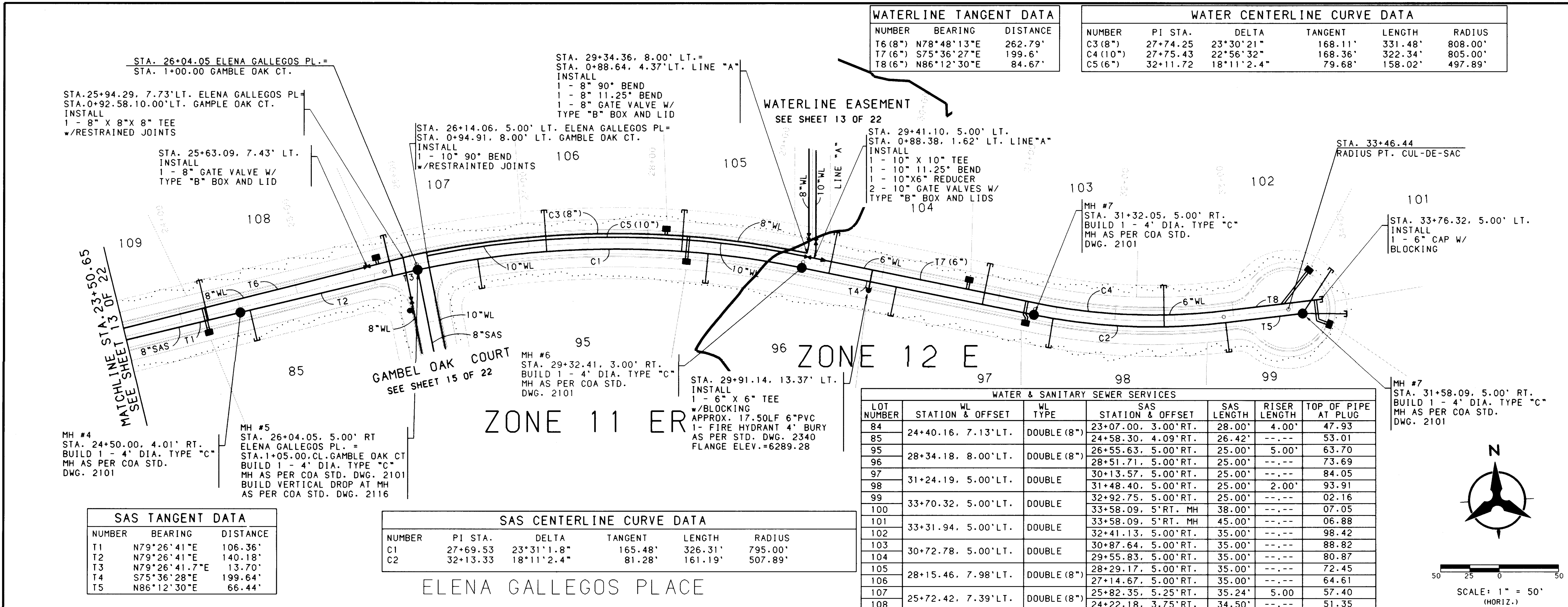
E23Z-E24Z

SHEET

13

OF

22



NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURB RETURN RADIUS SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
- ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
- GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE UNLESS OTHERWISE SPECIFIED.
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RESTRAINED JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS FROM EACH SIDE OF MJ LISTED (6") (8") (10") (16")
11.25" H BEND	2' 3' 3' 5'
22.50" H BEND	4' 5' 6' 10'
45" H BEND	8' 11' 13' 21'
90" H BEND	20' 26' 31' 50'
GATE VALVE	55' 72' 86' ---
BTRFLY VALVE	--- --- --- 108'
CAP	55' 72' 86' 108'

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

2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 15 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 15 LF OF A MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.

3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE)

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

BOHANNAN-HUSTON INC.
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ALBUQUERQUE LAS CRUCES SANTA FE

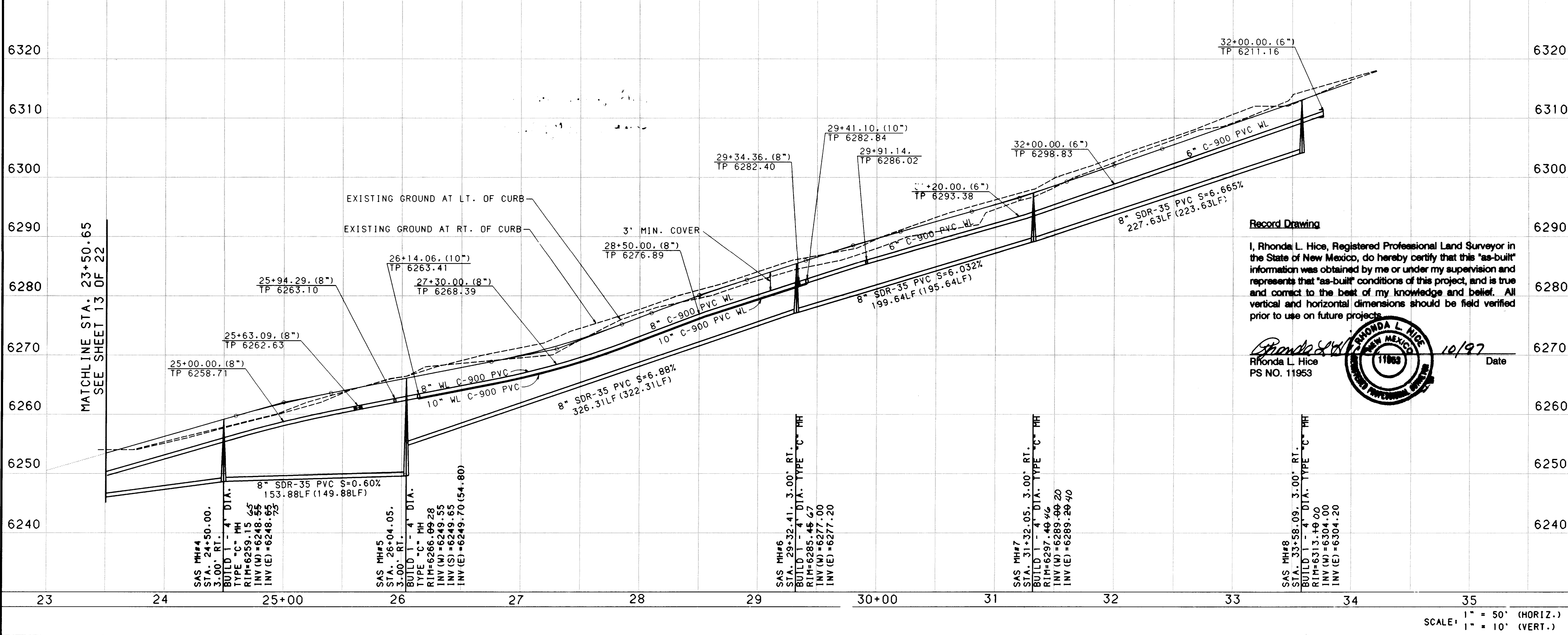
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE HIGHLANDS AT HIGH DESERT UNIT - 3
UTILITY PLAN & PROFILE
ELENA GALLEGOS PLACE STA 23+50.65 TO 33+46.44

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

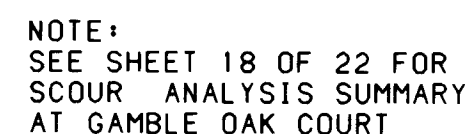
LAST DESIGN UPDATE

CITY PROJECT NO. 5097.93 ZONE MAP NO. E23Z-E24Z SHEET 14 OF 22



WATER CENTERLINE CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	LENGTH	RADIUS
C3 (10")	6+84.04	100°08'57.7"	382.37'	380.55'	320.00'
C4 (8")	5+26.41	66°55'48.7"	224.74'	397.17'	340.00'

SAS CENTERLINE CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	LENGTH	RADIUS
C1	3+29.24	9° 33' 11.6"	27.58'	55.02'	330.00'
C2	4+78.22	40° 35' 22.1"	122.03'	233.72'	330.00'



I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Nice
Rhonda L. Nice
PS NO. 11953

10/97
Date

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

SCANNED BY
BY LASON

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS
REFER TO FACE OF CURB UNLESS
OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS, WHERE NOTED,
ARE FOR FLOWLINE UNLESS OTHERWISE
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5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

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MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS FROM EACH SIDE OF MJ LISTED			
	(6")	(8")	(10")	(16")
1.25" H BEND	2"	3"	3"	5"
2.50" H BEND	4"	5"	6"	10"
5" H BEND	8"	11"	13"	21"
0" H BEND	20"	26"	31"	50"
ATE VALVE	55"	72"	86"	---
TRFLY VALVE	---	---	---	108"
AP	55"	72"	86"	108"

NOTE:

- ALL MECHANICAL JOINTS SHALL BE RESTRAINED A
THE FITTING.
THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE
LENGTH OF 15 LF FROM ALL MECHANICAL JOINTS.
ALL PIPE JOINTS WITHIN 15 LF OF A MJ SHALL
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THE CONTRACTOR SHALL RESTRAIN ALL PIPE
JOINTS IN THE SPECIFIED DISTANCE LISTED IN
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THE CONTRACTOR SHALL RESTRAIN ALL FIRE
HYDRANTS JOINTS FROM THE TEE ON THE MAIN
TO THE FIRE HYDRANT FLANGE.



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 ALBUQUERQUE LAS CRUCES SANTA FE

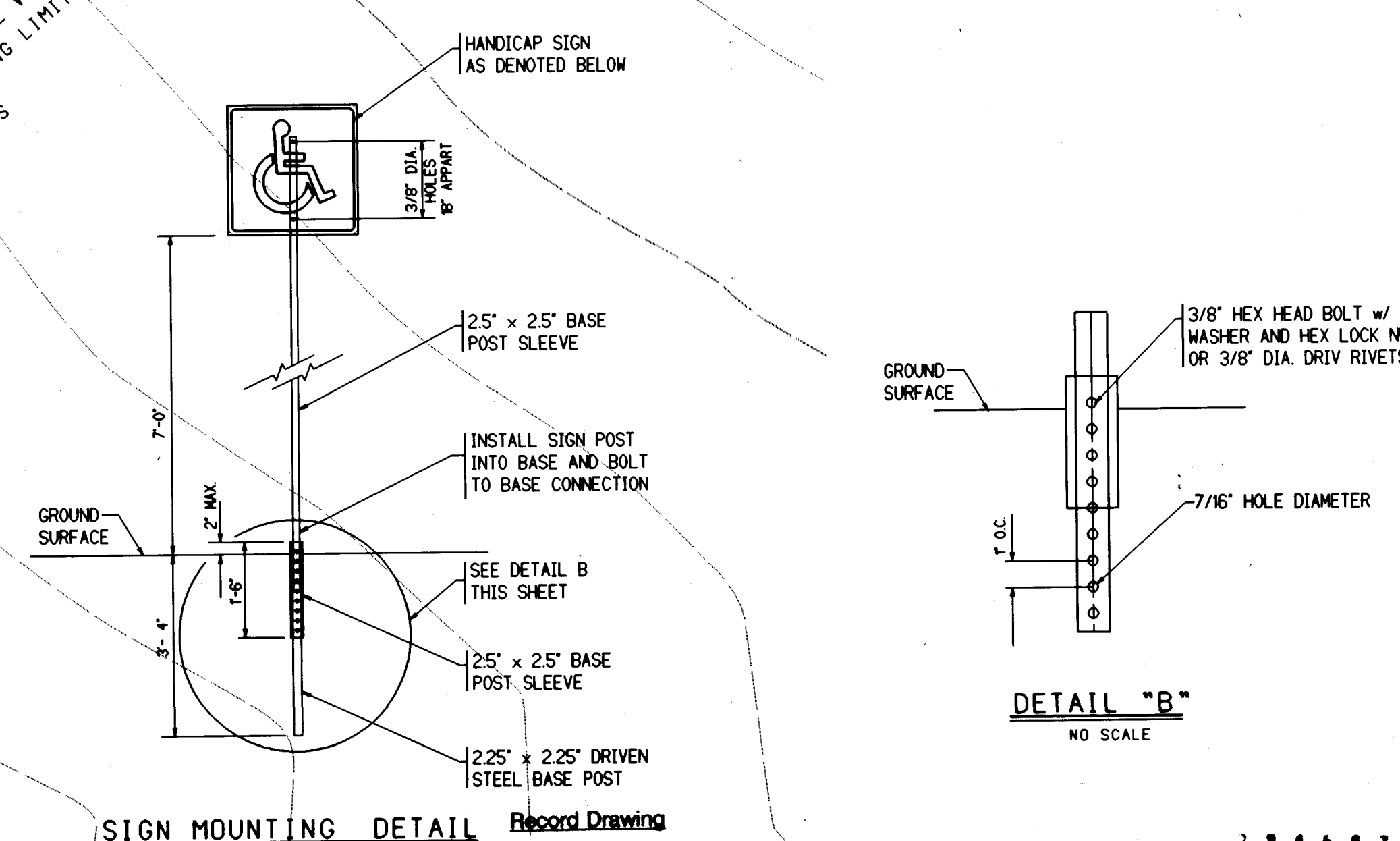
 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE HIGHLANDS AT HIGH DESERT UNIT -
UTILITY PLAN & PROFILE
GAMBLE OAK COURT STA 1+00.00 TO 6+00.00

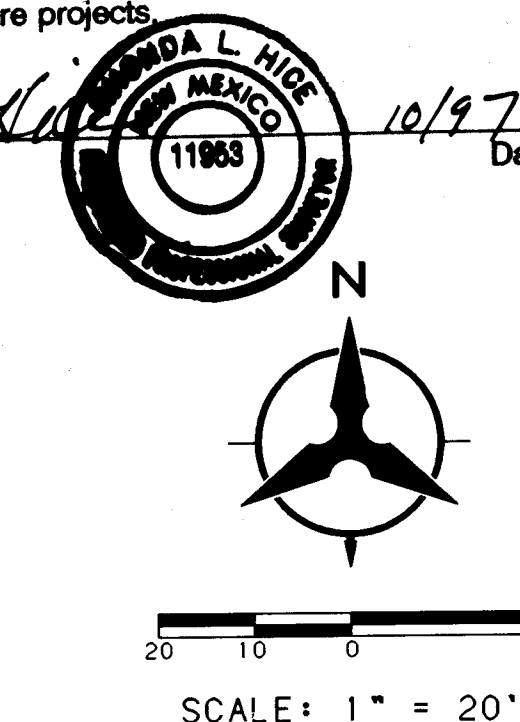
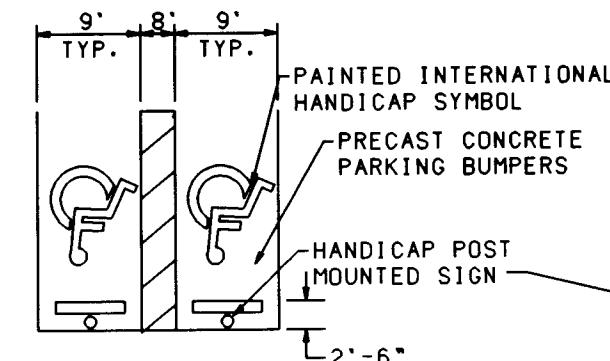
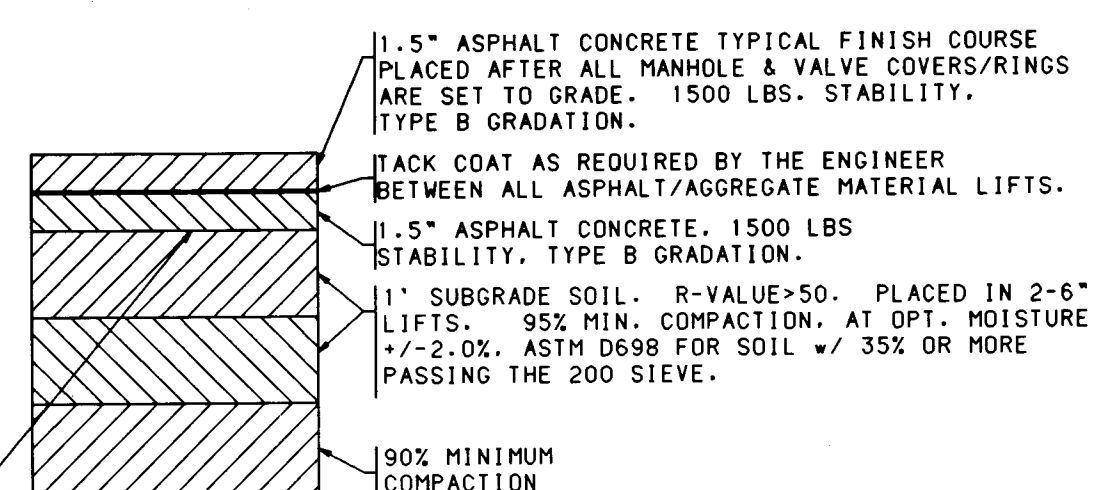
	CITY ENGINEER APPROVAL		MO/DAY/YR	MO/DAY/YR
		LAST DESIGN UPDATE		

PROJECT NO.	ZONE MAP NO.	SHEET	OF
5097 93	E237-E247	15	2

Copyright Bohannon-Huston, Inc. 1997
DATE: MARCH, 1997



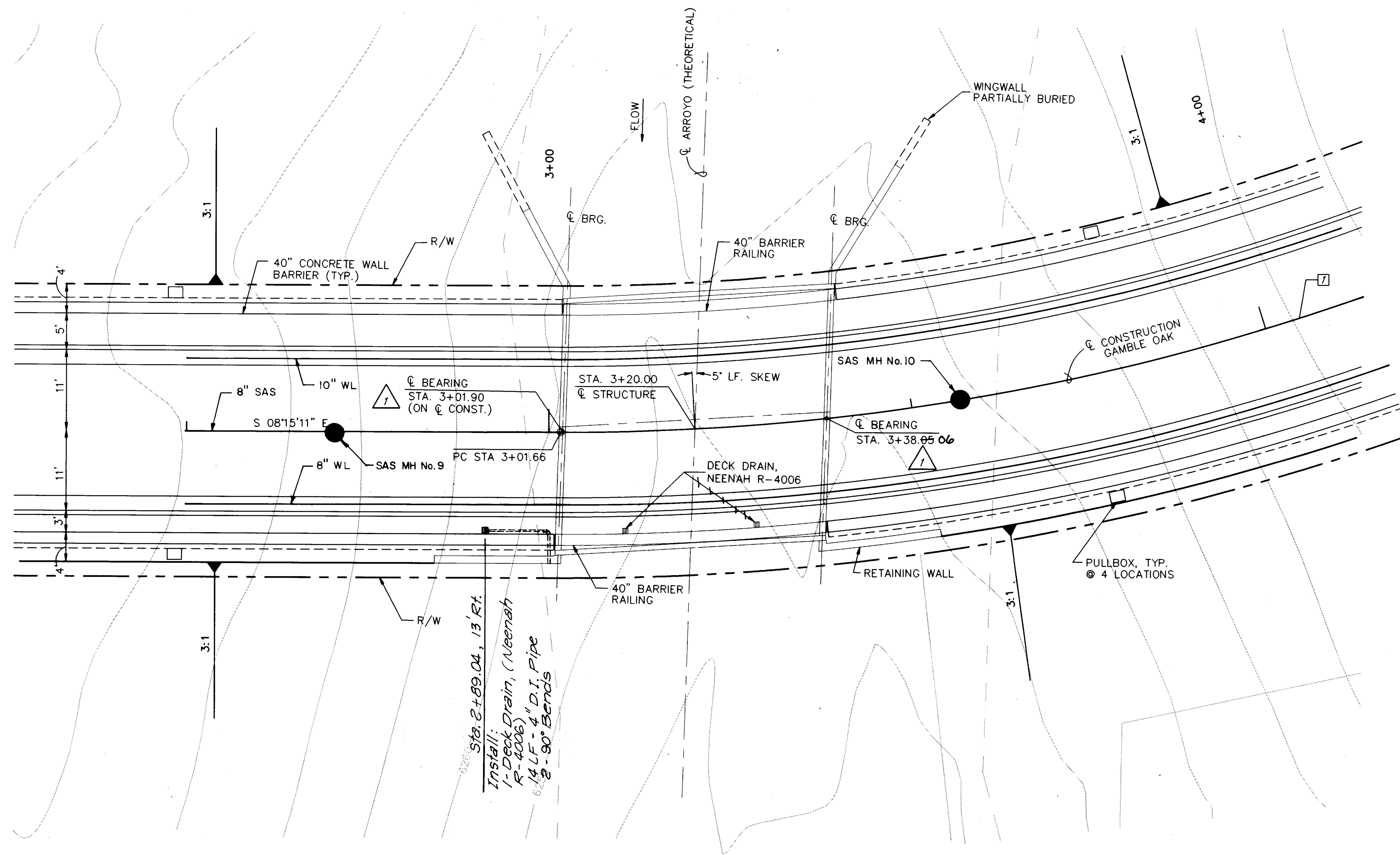
I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.



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

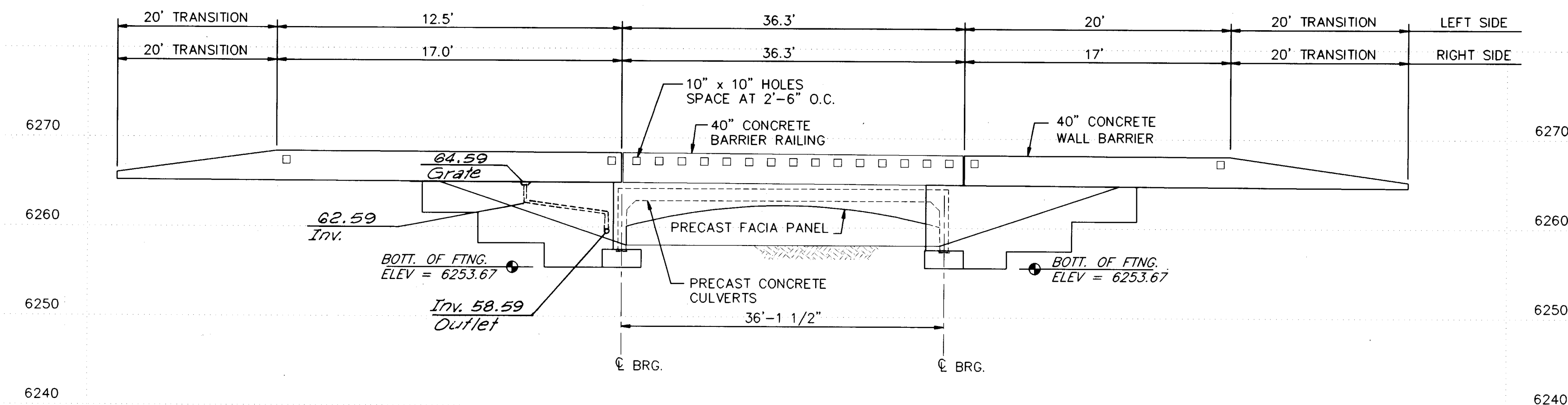
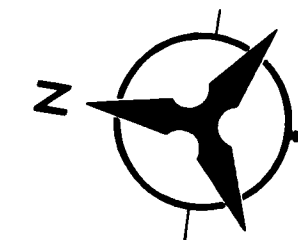
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SCANNED BY
EY LASON



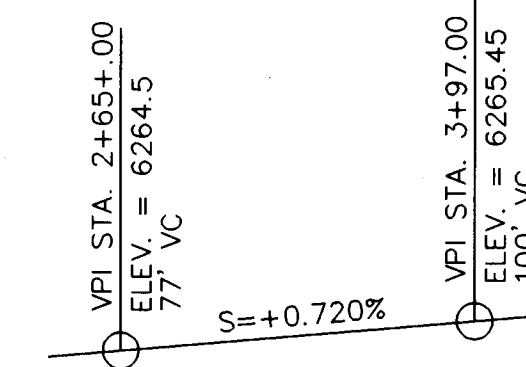
STRUCTURE LOCATION PLAN - GAMBLE OAK

SCALE: 1" = 10'-0"



STRUCTURE ELEVATION

SCALE: 1" = 10'-0" HORIZ. & VERT.



GAMBLE OAK PROFILE
GRADE @ CL CONSTRUCTION

LIMITS OF 40" BRIDGE BARRIER RAILING

OFFSET	BEGIN	END
16' LT.	3+01.99	3+41.3
14' RT.	3+00.97	3+36.68

NOTES

1. CONSTRUCT 40" CONCRETE WALL BARRIER. SEE DETAIL SHEET 24.

CURVE DATA

1. P.I. STA = 15+57.14
DELTA = 100° 08' 57.7"
D_c = 17° 21' 44"
T = 394.32'
L = 576.62'
R = 330.00'

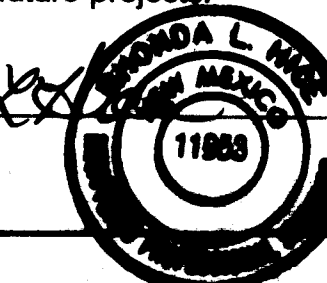
ESTIMATED QUANTITIES - GAMBLE OAK

ITEM	UNIT	TOTAL
40" BRIDGE BARRIER RAILING	LF	72.6
40" CONCRETE WALL BARRIER	LF	146.5
6'-0" PRECAST CULVERTS	LF	222.0
PRECAST FACIA PANEL	SF	300
0510.11 STR. CONC. 4000 RPPC, FORM	CY	75

Record Drawing

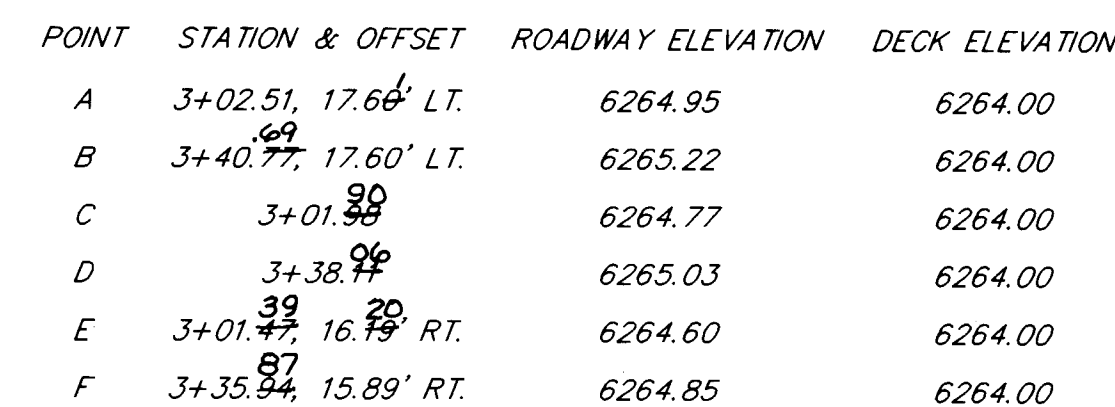
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Rhonda L. Hice
Rhonda L. Hice
PS NO. 11963



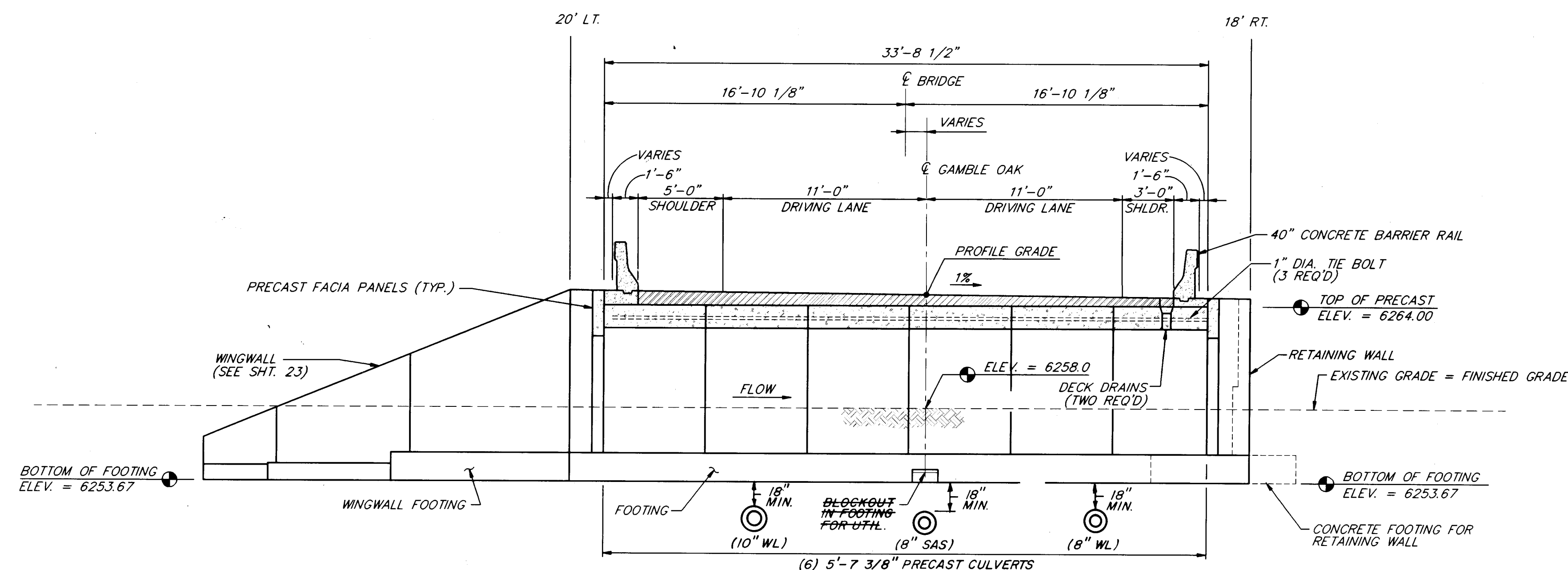
Date 10/97

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: THE HIGHLANDS AT HIGH DESERT, UNIT 3 GAMBLE OAK PLANS & ELEVATION GAMBLE OAK			
DESIGN REVIEW COMMITTEE APPROVE REVIEW COMMITTEE	CITY ENGINEER APPROVAL LAST DESIGN UPDATE 4-16-97	MO./DAY/YR. MO./DAY/YR. MO./DAY/YR.	SHEET 17 OF 22
CITY PROJECT NO. 5097.93	ZONE MAP NO. E23Z-E24Z	DESIGNED BY (PROJ. ENG.) DRAWN BY (CAD TECH.) CHECKED BY (PROF. ENG.)	



NOTE: SEE ENLARGED LAYOUT PLANS
FOR CULVERT FOOTING.

SCALE: 1" = 10'-0"

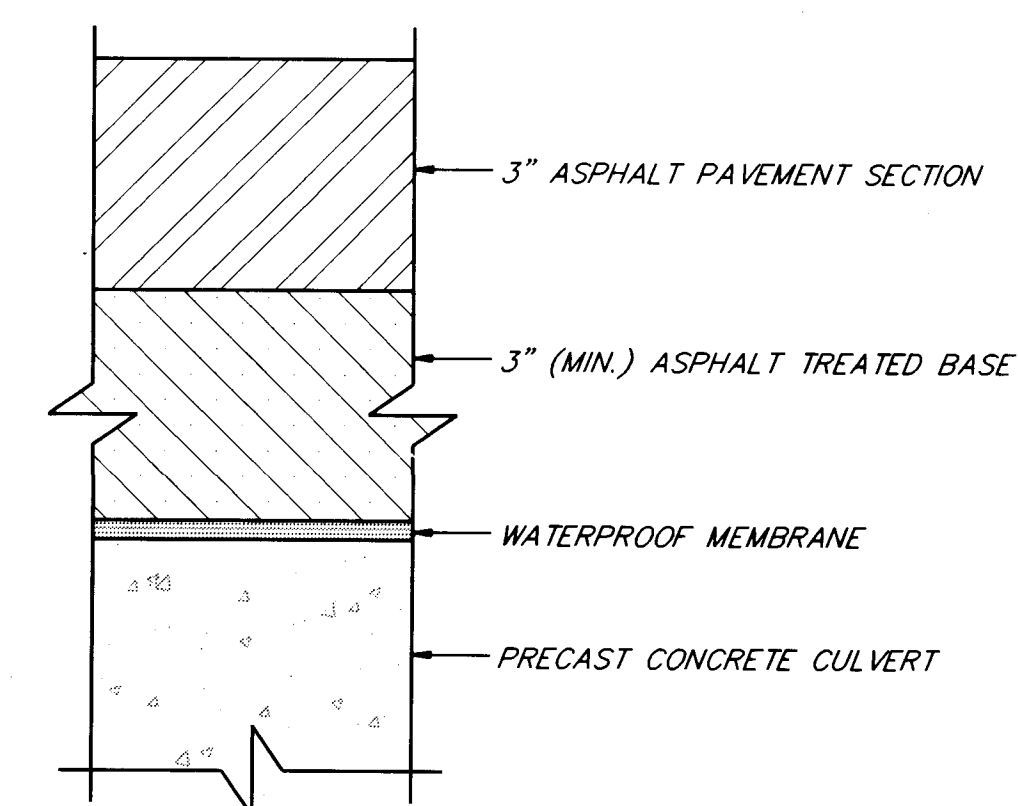


TRIBUTARY TO SOUTH BEAR ARROYO
SLOPE $\pm 5.3\%$
VELOCITY 4.4 FPS
HYDRO DEPTH = 0.26 FT.
FLOW 40 CFS
ANTICIPATED SCOUR 2.4 FT.

SCALE: 1" = 5'-0"

NOTES

1. SEE SHEET 21 FOR STRUCTURE LAYOUT
2. CONSTRUCT 40" CONCRETE BARRIER RAIL PER NMSHTD DRAWING 040



PER CITY STANDARD 2405

Record Drawing

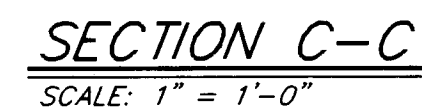
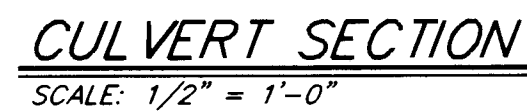
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Rhonda
Rhonda L. Hice
PS NO. 11953

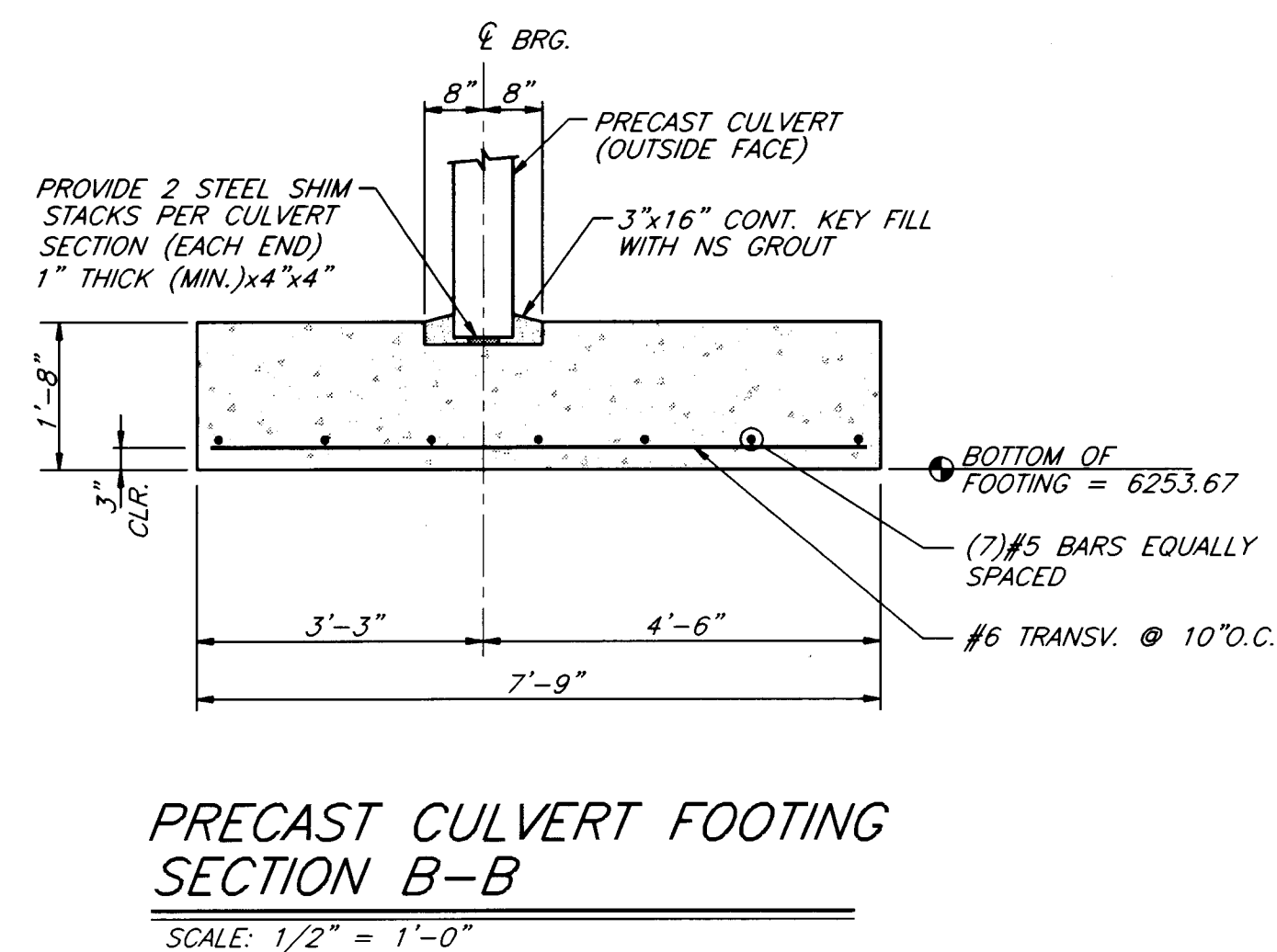
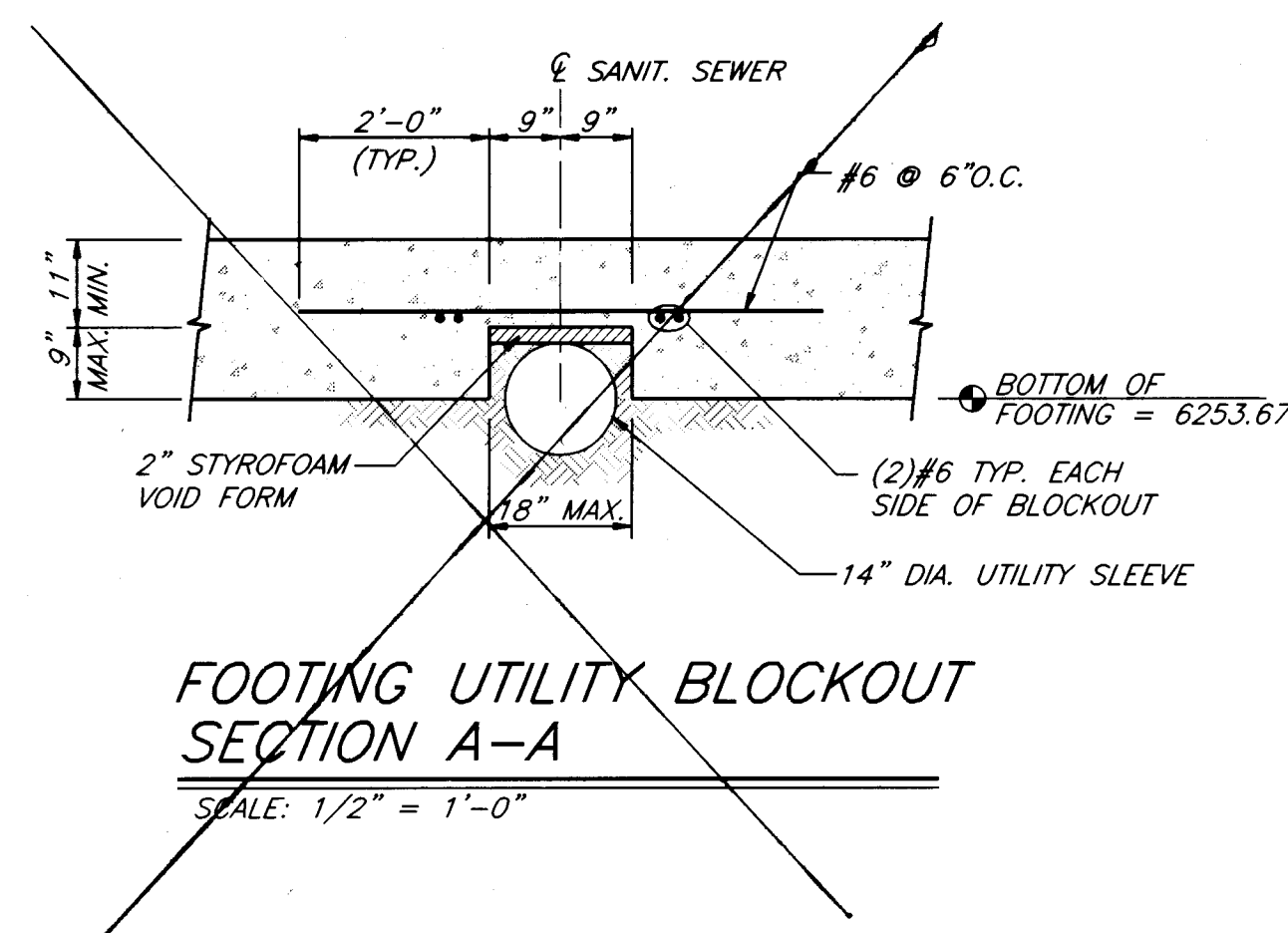
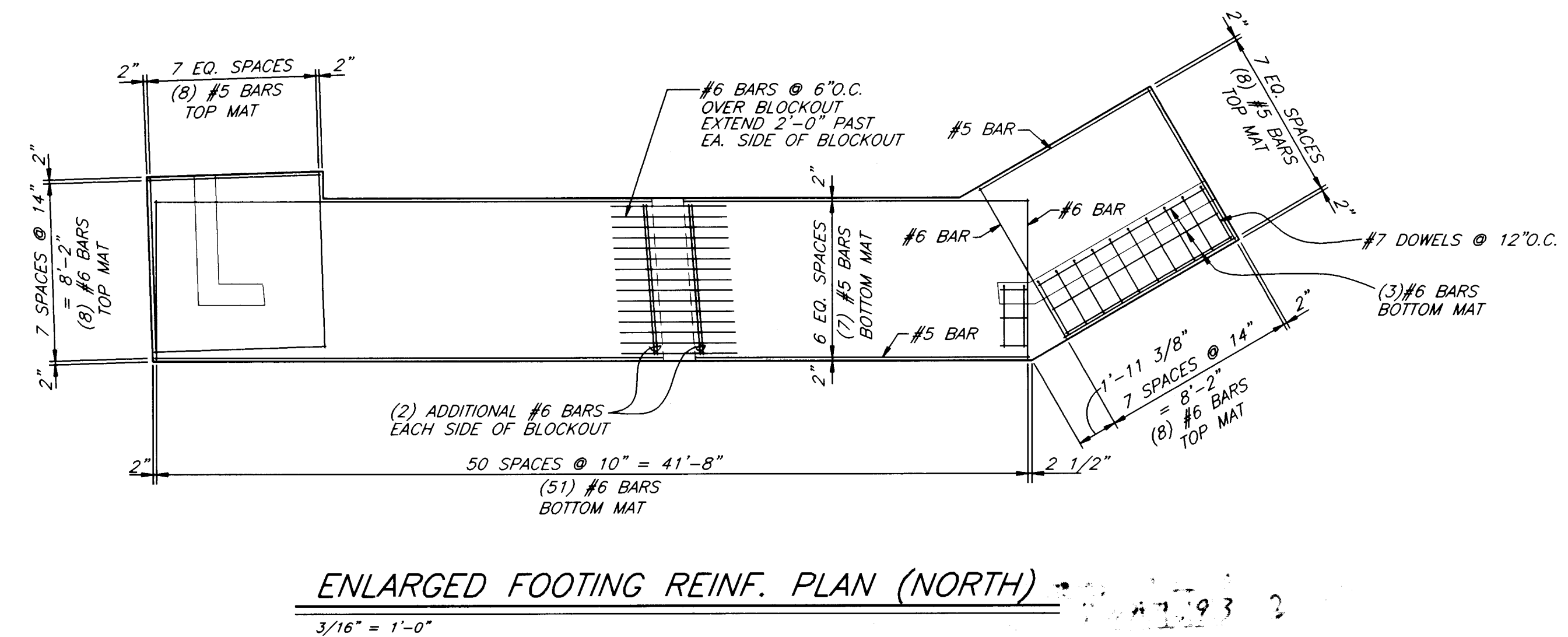
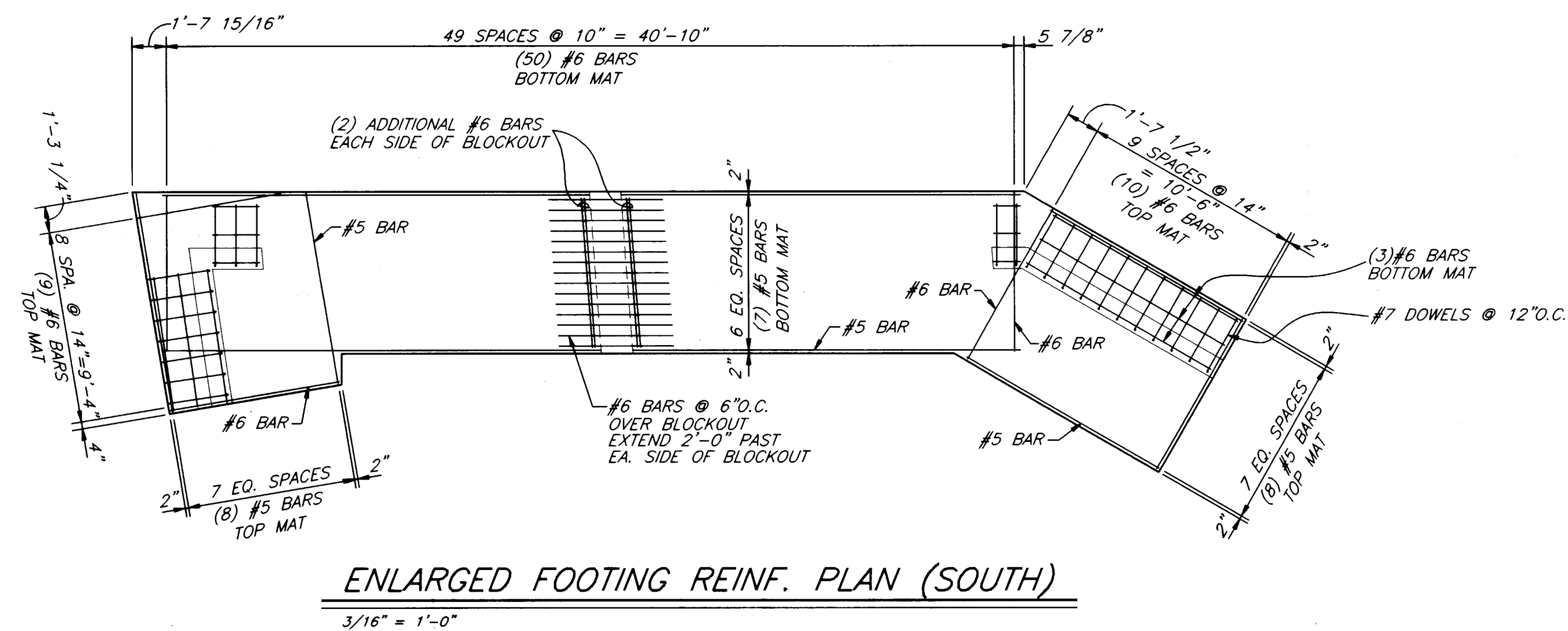
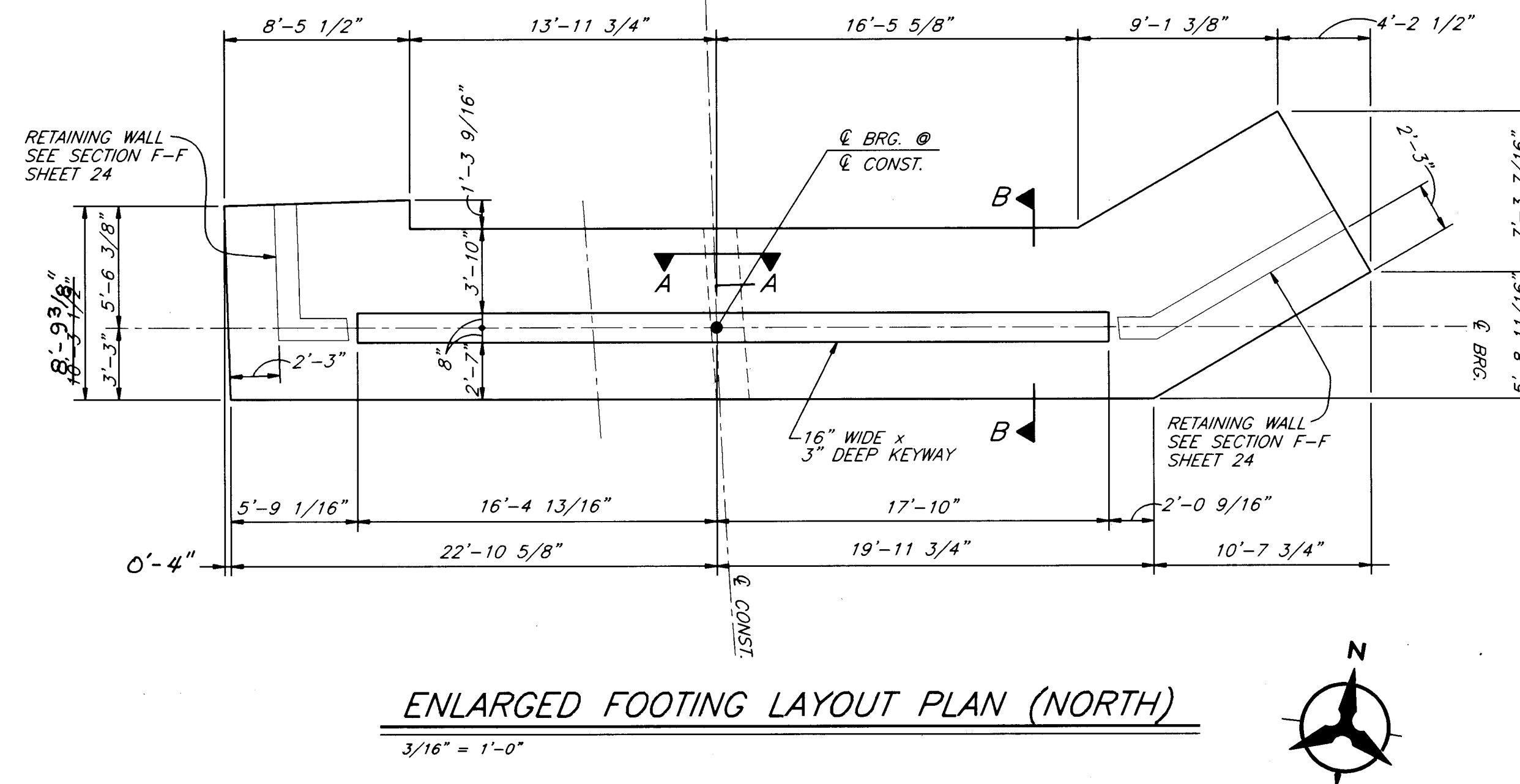
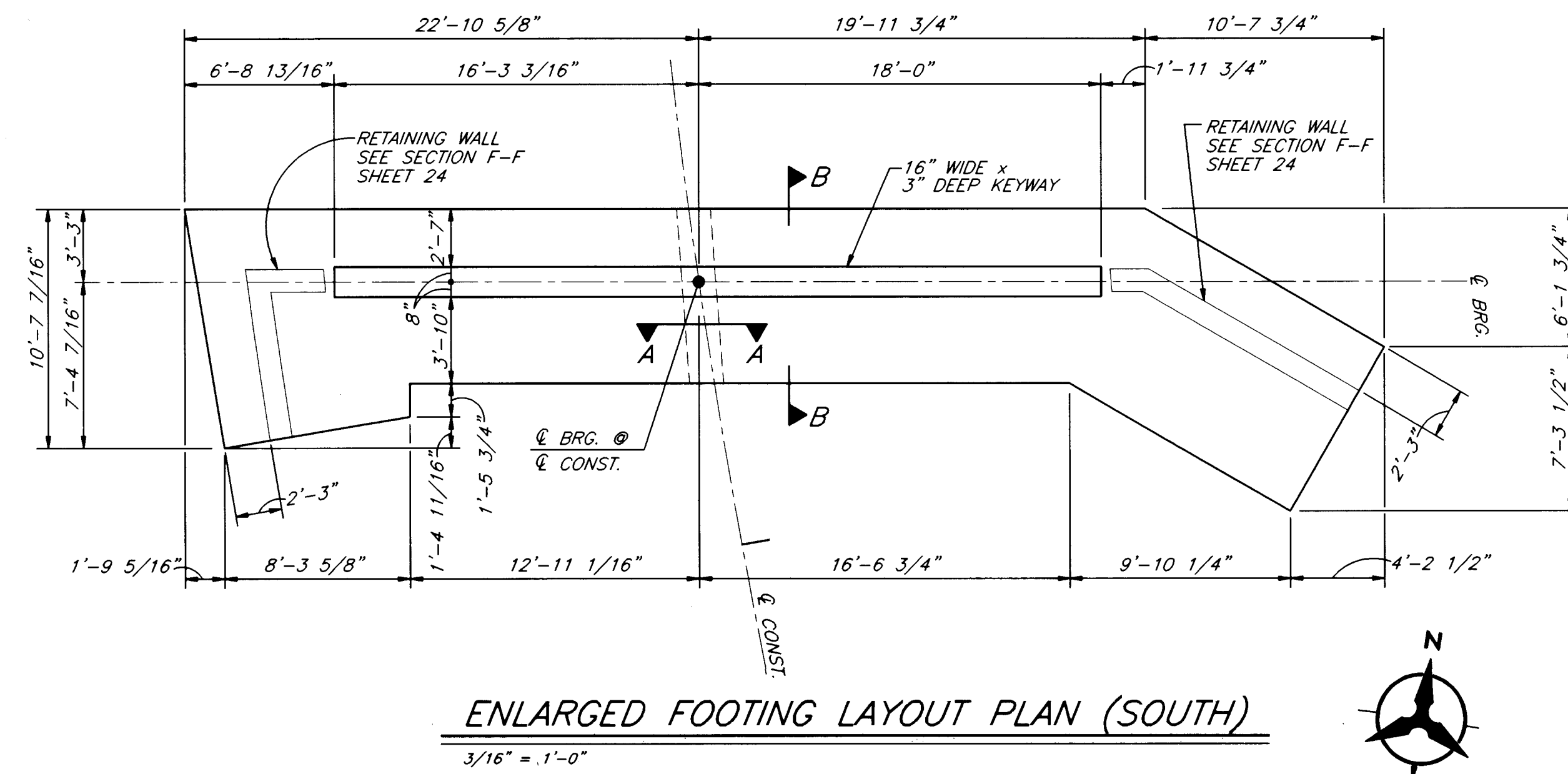
SCANNED BY
BY LARON

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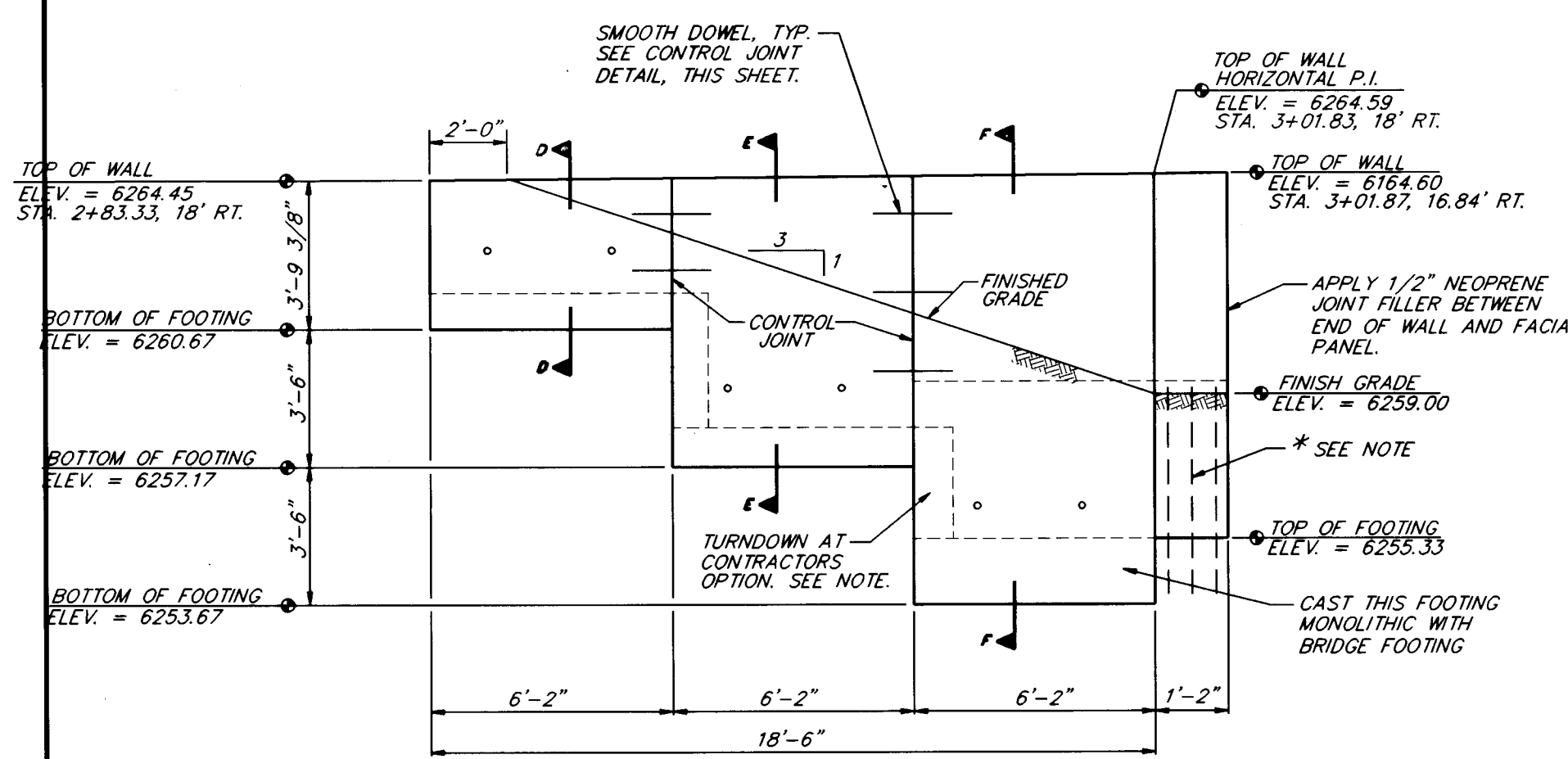
Record Drawing

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Rhonda L. Hice
PS NO. 11953

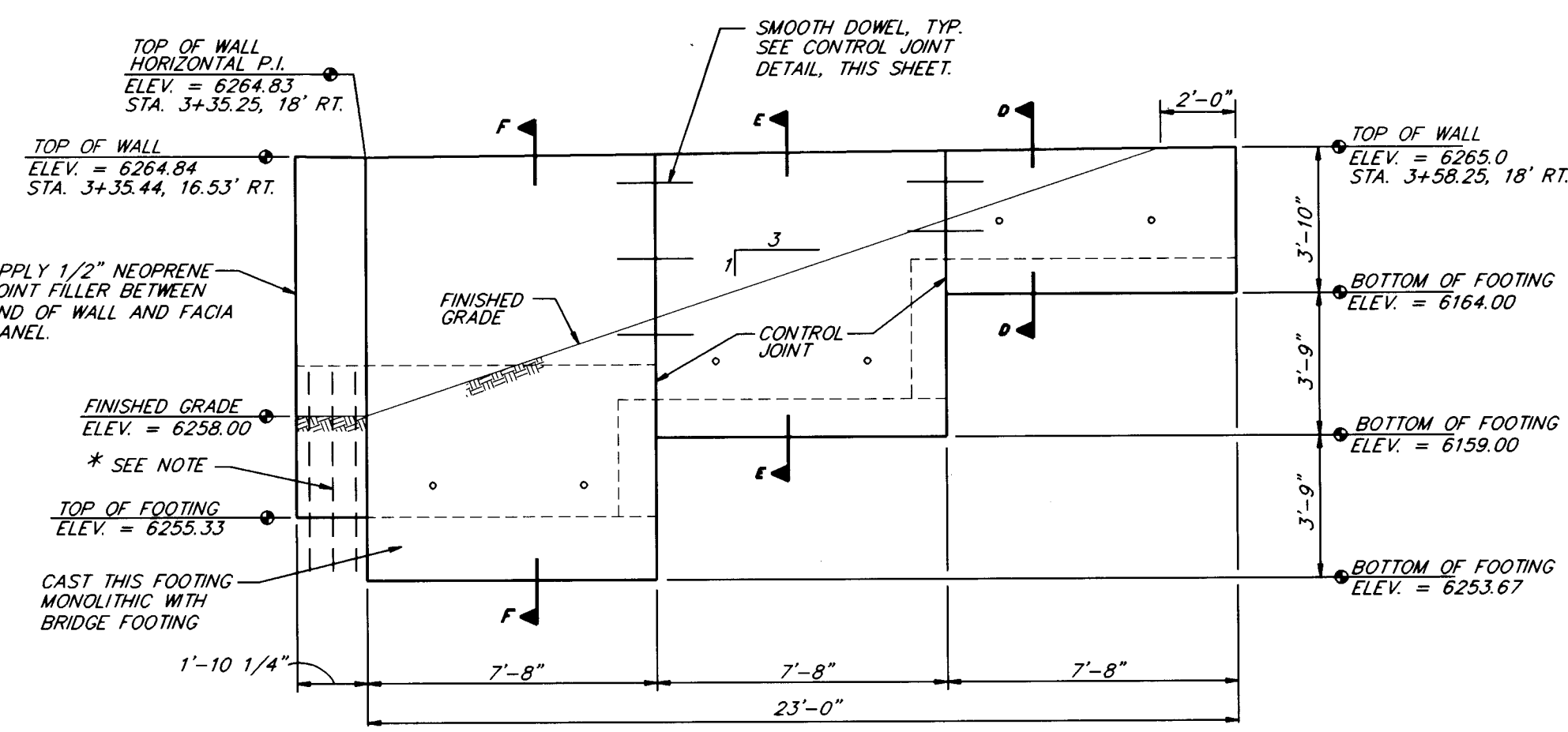
 10/97
Date

[illegible]



NORTH WALL PROFILE

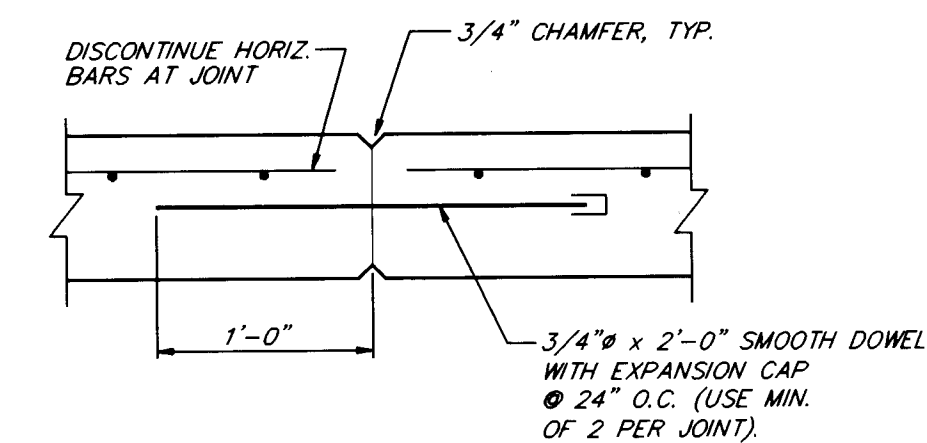
NOTE: CONCRETE QUANTITY FOR TURNDOWNS IS INCIDENTAL AND NO PAYMENT IS MADE THEREFOR.



SOUTH WALL PROFILE

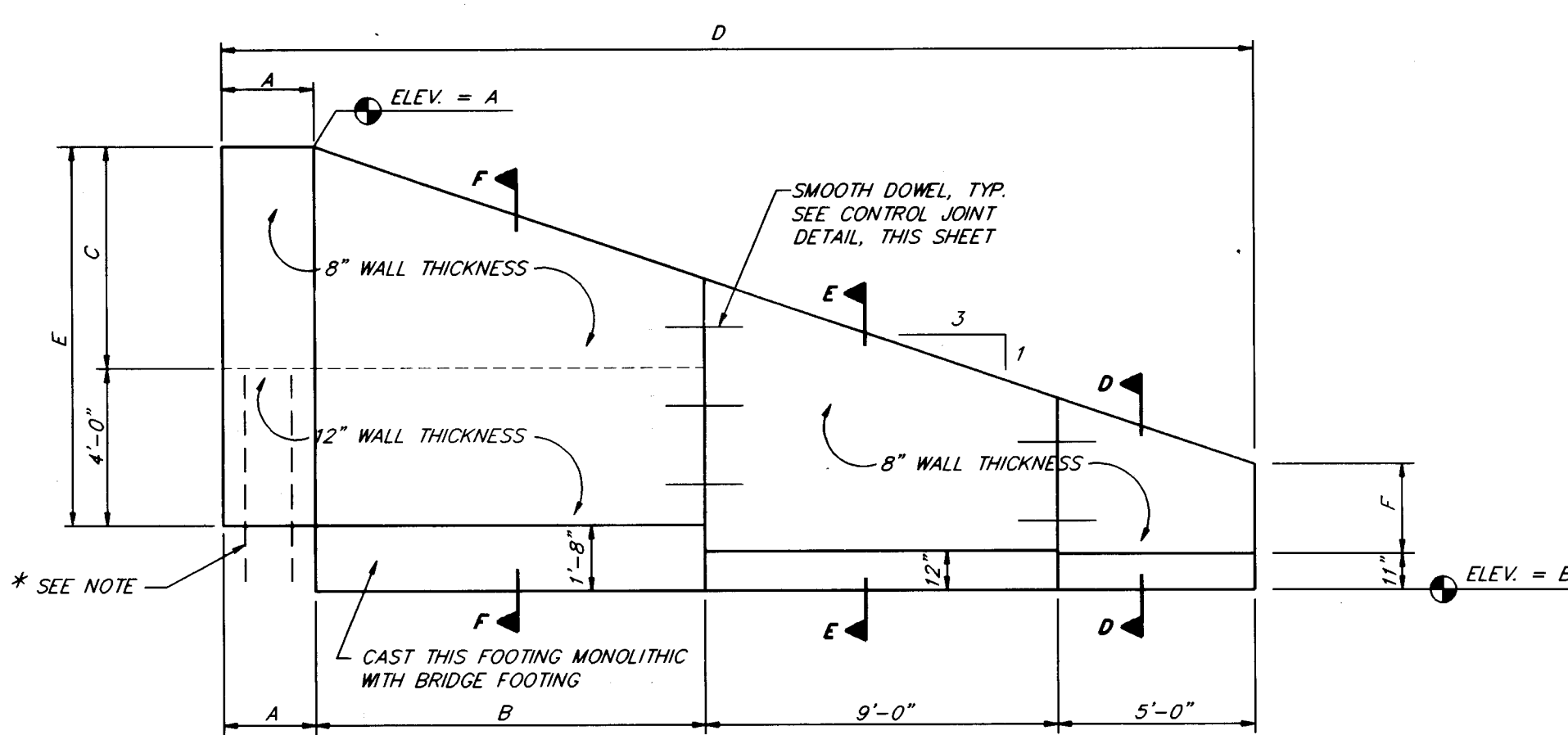
DOWNSTREAM WALL PROFILES

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



TYPICAL CONTROL JOINT

NO SCALE



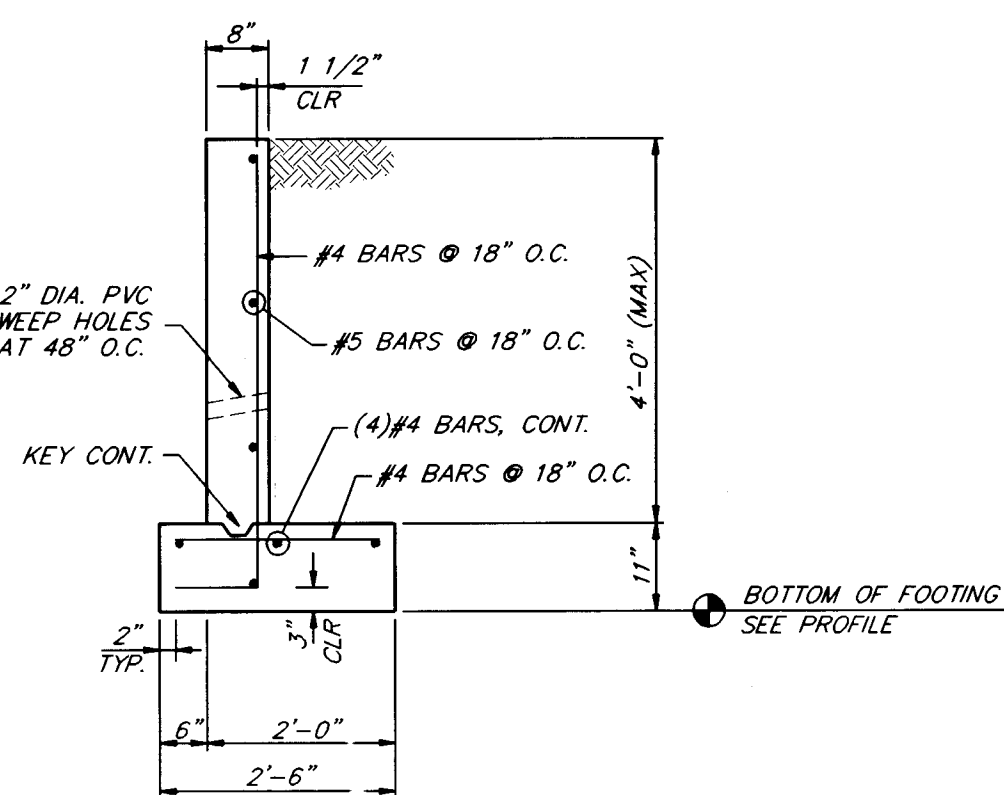
WALL	DIMENSIONS (FEET)						ELEVATION (FEET)	
	A	B	C	D	E	F	A	B
NORTH	1'-8 3/8"	9'-11 5/8"	5'-7 5/8"	25'-8"	9'-7 5/8"	2'-4 3/4"	6264.97	6253.67
SOUTH	1'-9"	10'-9 3/4"	5'-11"	26'-6 3/4"	9'-11"	2'-4 3/4"	6265.25	6253.67

TYPICAL UPSTREAM WINGWALL PROFILE

(SEE SHEET 20 FOR LAYOUT)

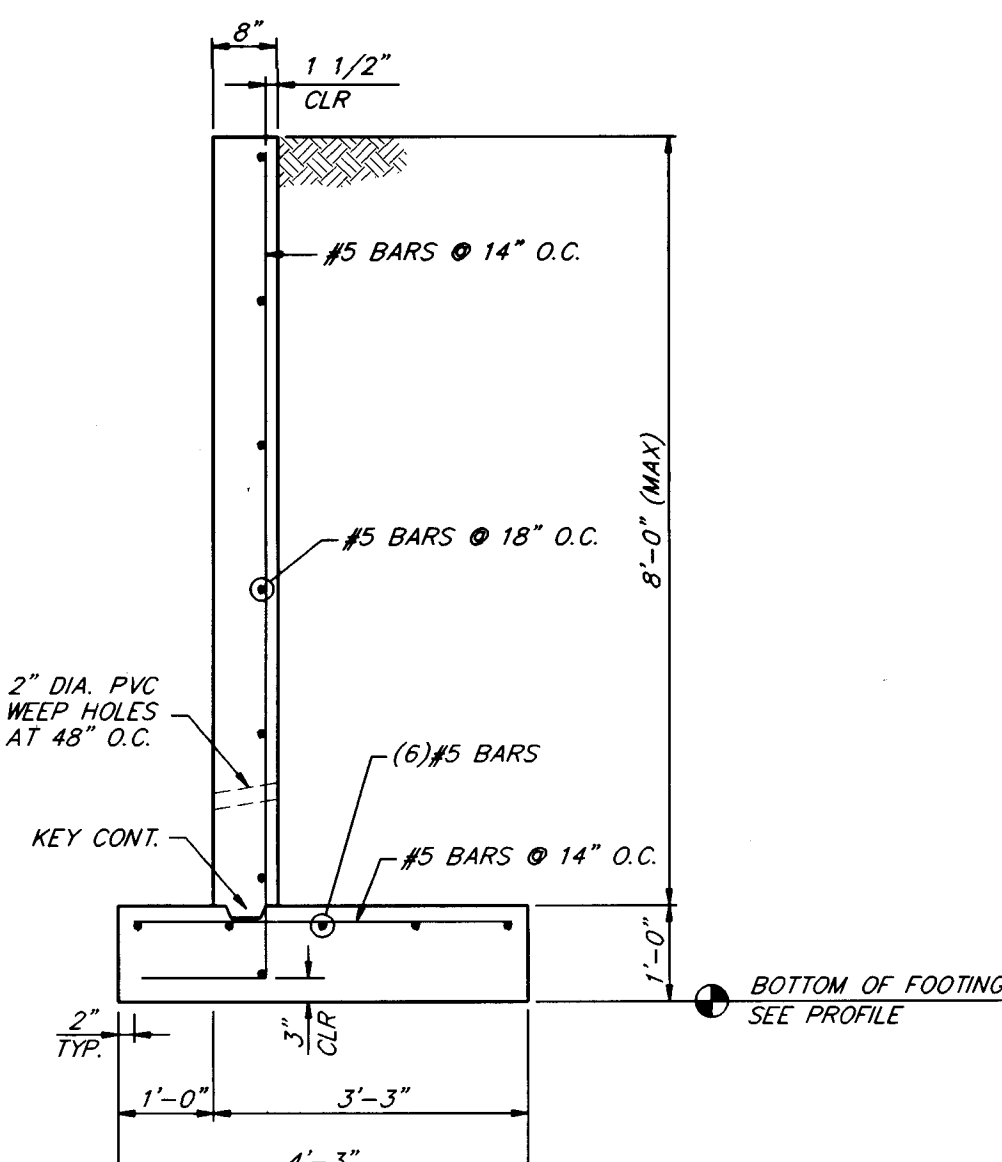
NO SCALE

* NOTE: CULVERT FOOTING NOT SHOWN. INSTALL #7 DOWEL BARS FROM WALL INTO CULVERT FOOTING



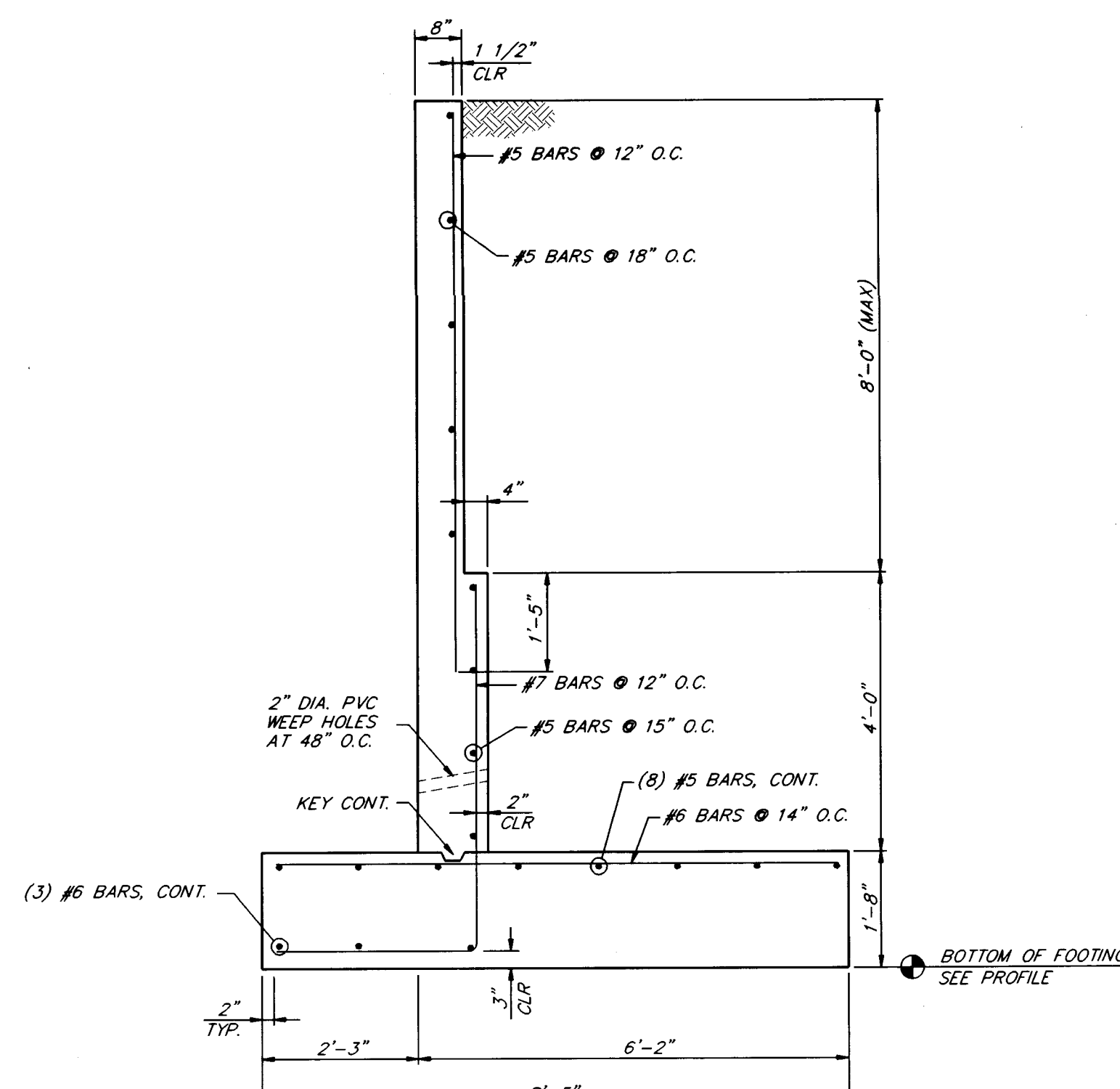
SECTION D-D

SCALE: 1/2" = 1'-0"



SECTION E-E

SCALE: 1/2" = 1'-0"



SECTION F-F

SCALE: 1/2" = 1'-0"

20-15297-193 2197

Record Drawing

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Rhonda L. Hice
 Rhonda L. Hice
 PS NO. 11953
 10/97 Date

BOYD HUSTON INC.
 ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
 ALBUQUERQUE LAB CRUCES SANTA FE

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING GROUP

TITLE: THE HIGHLANDS AT HIGH DESERT, UNIT 3
 GAMBLE OAK
 UPSTREAM AND DOWNSTREAM WALL PROFILES

CITY ENGINEER APPROVAL
 LAST DESIGN UPDATE
 SHEET 21 OF 22

CITY PROJECT NO. 5097.93
 ZONE MAP NO. E23Z-E24Z
 MO./DAY/YR. MO./DAY/YR.

