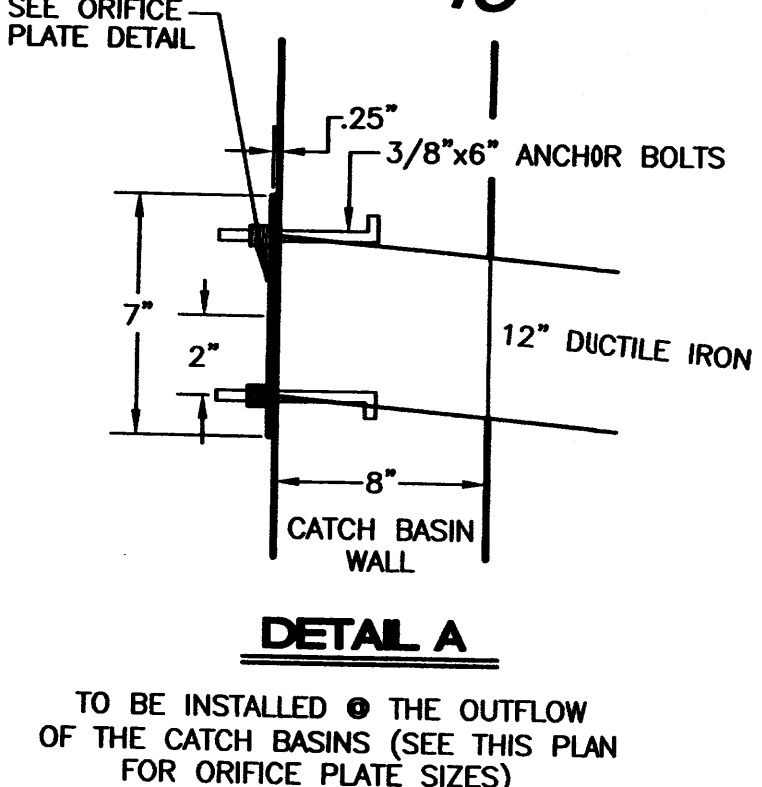
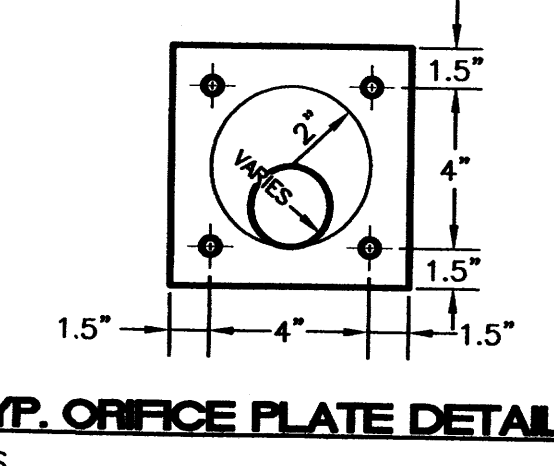
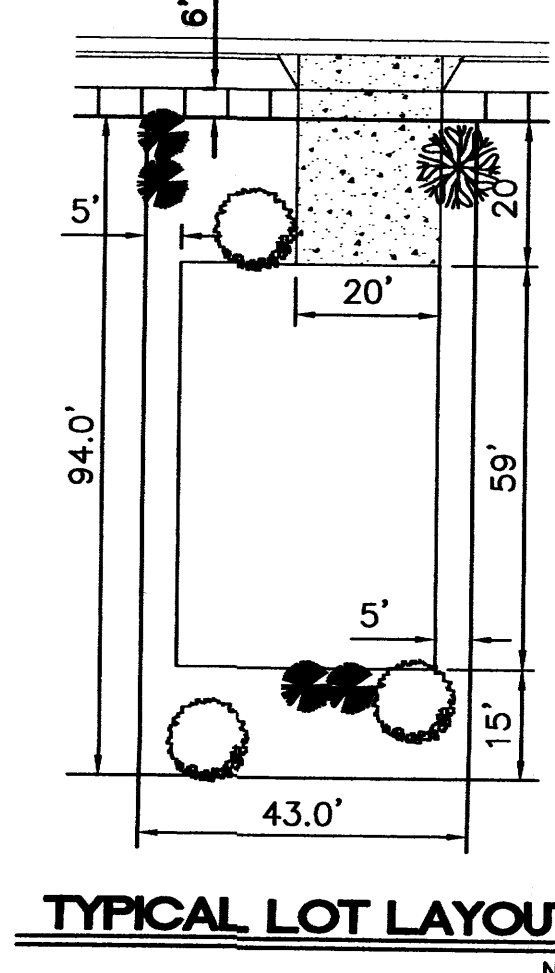
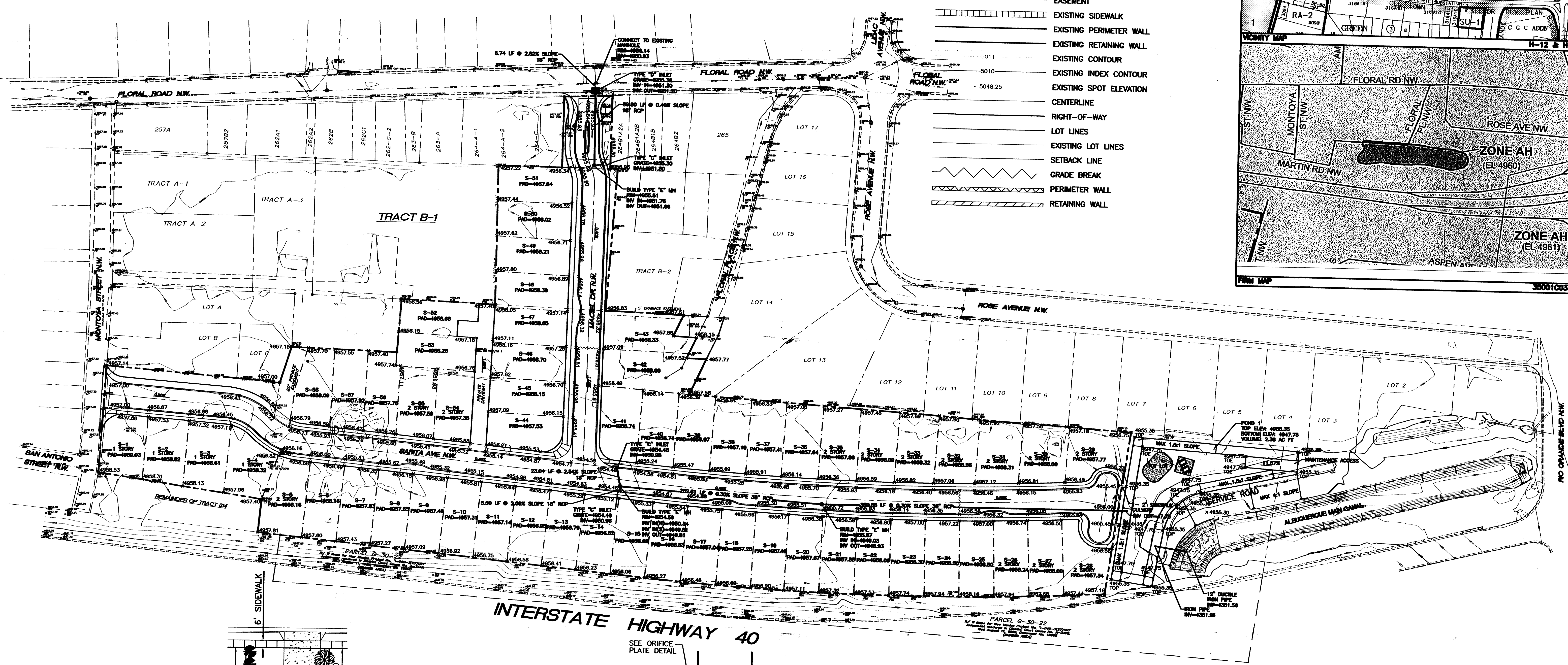
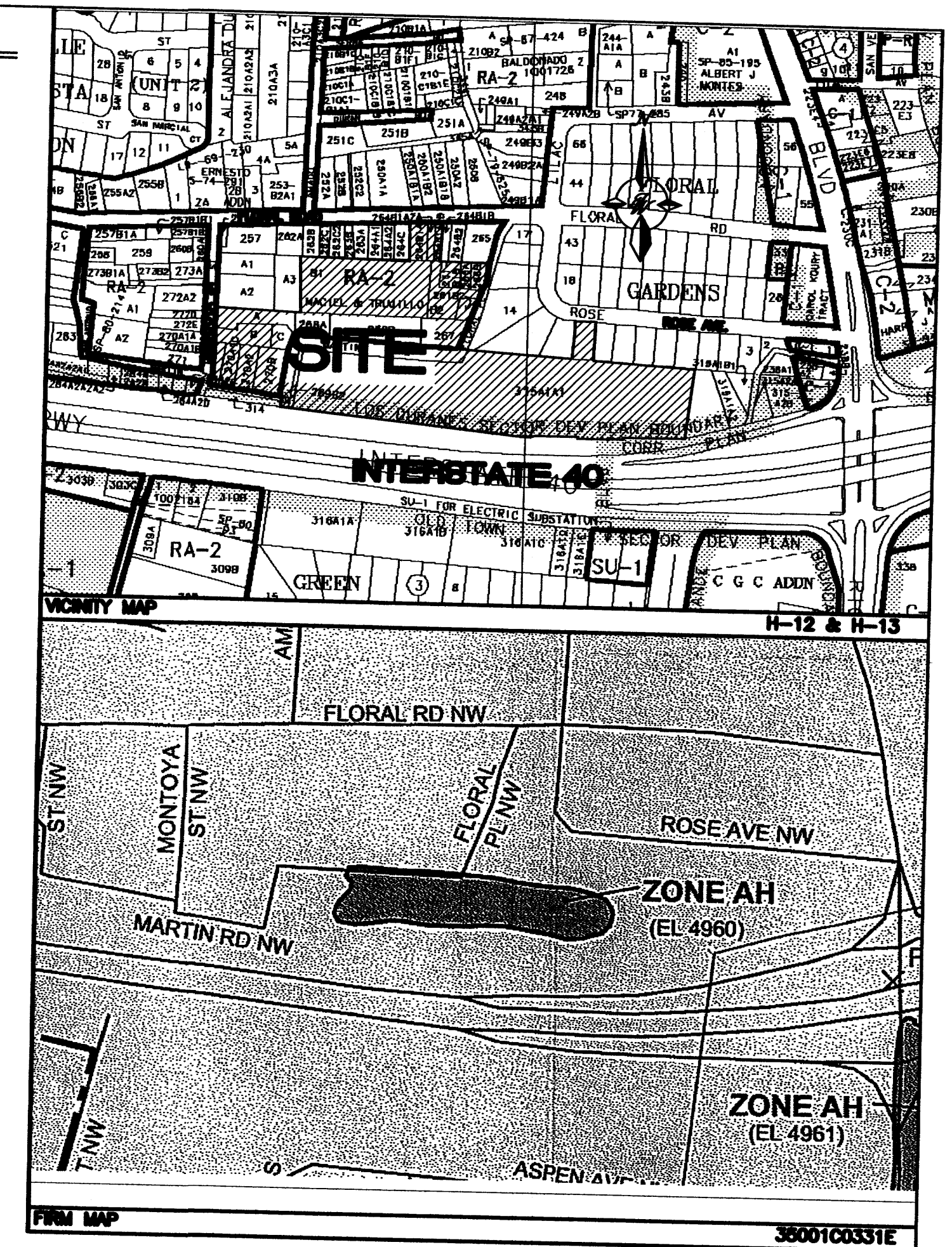
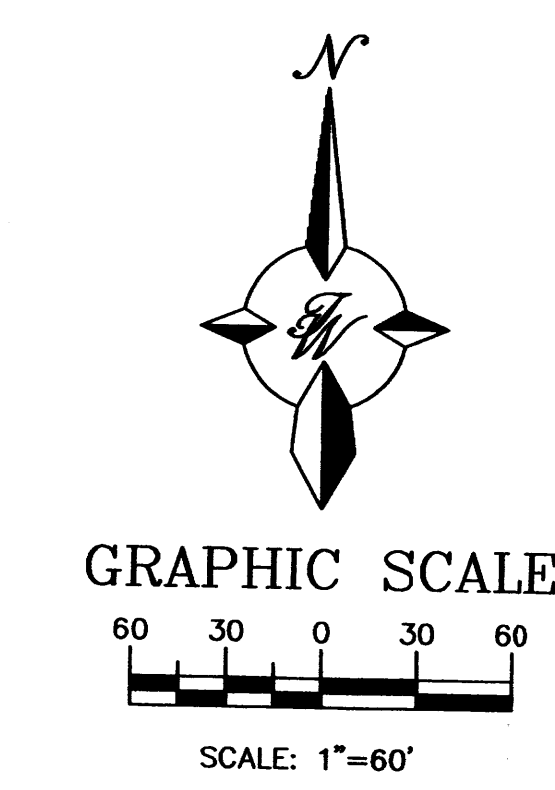


LEGEND

- EXISTING SAS MANHOLE
- EX. 8" SAS — EXISTING SANITARY SEWER LINE
- ⊗ EXISTING METER
- ⊗ EXISTING VALVE W/BOX
- ⊗ EXISTING FIRE HYDRANT
- EX. 16" WL — EXISTING WATER LINE
- ⊗ EXISTING STORM SEWER MANHOLE
- EX. 24" RCP — EXISTING STORM SEWER LINE
- EXISTING FENCE
- EXISTING CURB & GUTTER
- EXISTING BOUNDARY LINE
- EASEMENT
- EXISTING SIDEWALK
- EXISTING PERIMETER WALL
- EXISTING RETAINING WALL
- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- EXISTING SPOT ELEVATION
- CENTERLINE
- RIGHT-OF-WAY
- LOT LINES
- EXISTING LOT LINES
- SETBACK LINE
- GRADE BREAK
- PERIMETER WALL
- RETAINING WALL



SITE DATA	
PROPOSED USAGE:	SINGLE FAMILY HOUSING
TRACT AREA:	—
NUMBER OF LOTS:	58
DENSITY:	45' X 86'
TOTAL UNITS:	58
ZONING:	RLT



<p>ENGINEER'S SEAL</p> <p>RONALD R. BOHANNAN P.E. #7868</p>	<p>FLORAL MEADOWS</p>	<p>DRAWN BY EMT</p>
	<p>GRADING AND DRAINAGE PLAN</p>	<p>DATE 01-03-05</p>
	<p>TIERA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100</p>	<p>23134-GRB-11-10-04X</p>
		<p>SHEET # —</p>

Drainage Cert W/Survey Work by Others
12/26/01

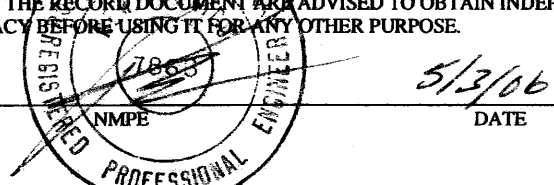
Drainage Certification

I, RONALD R. BOHANNAN, NMPE 7868, OF THE FIRM TERRA WEST, LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 10/06/01. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY RUSS HUGG, NMPS 7550, OF THE FIRM SURVITEK.

I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 5/13/06 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR RELEASE OF FINANCIAL GUARANTEE AND BOND.

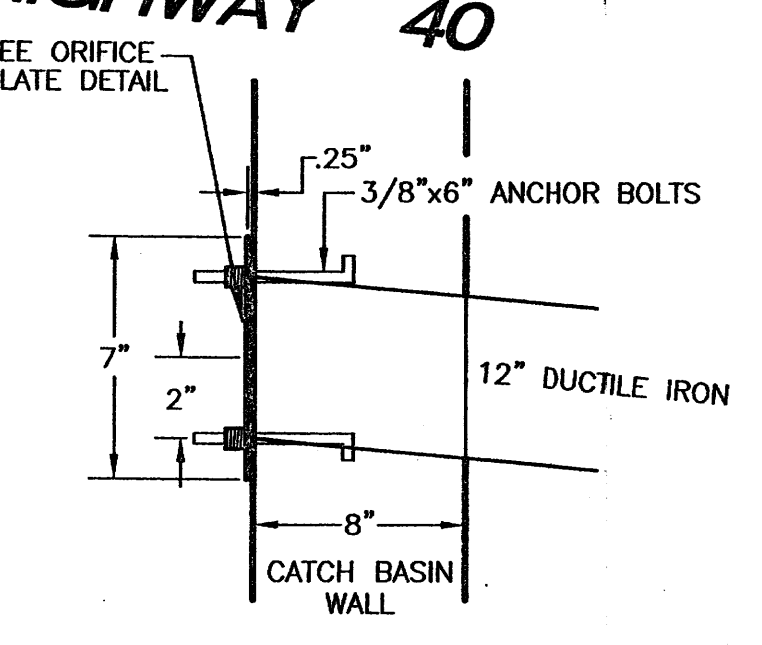
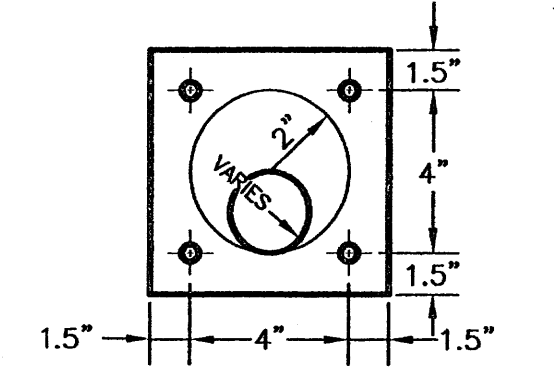
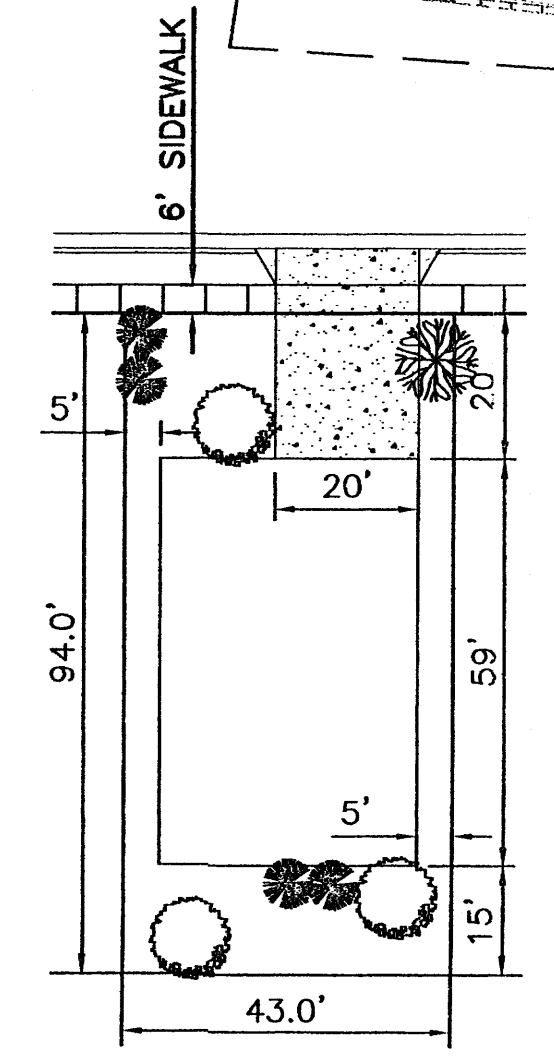
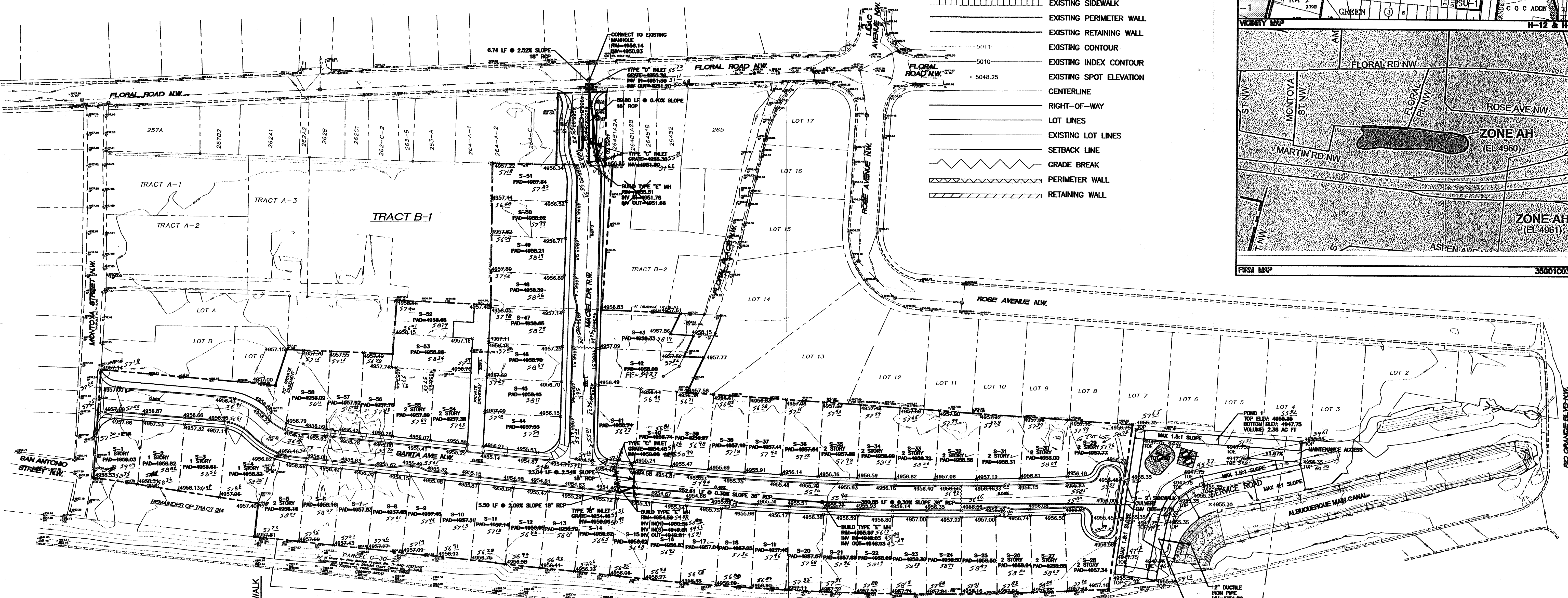
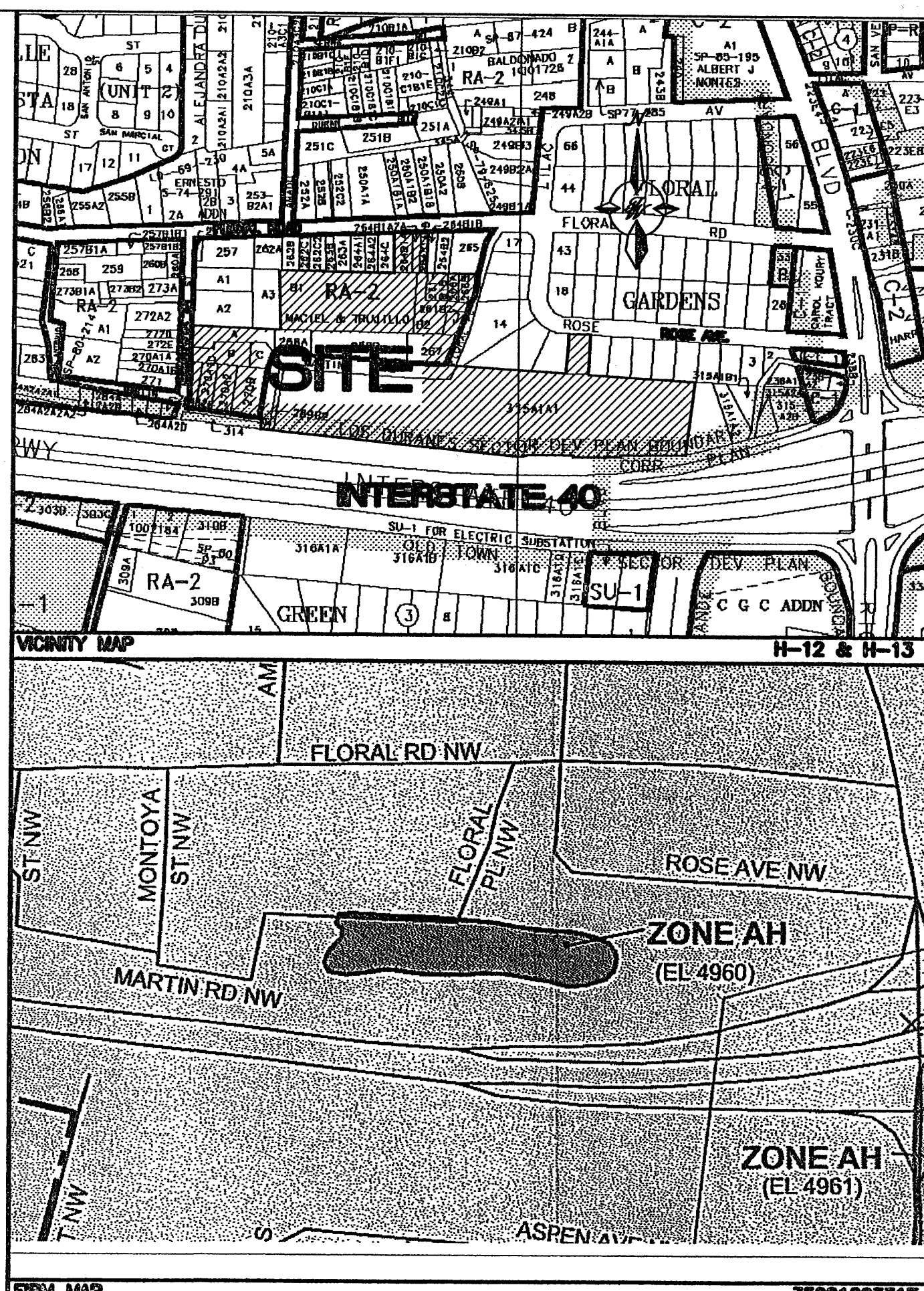
NOTE EXCEPTIONS HERE: NO EXCEPTIONS TAKEN

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THE RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.



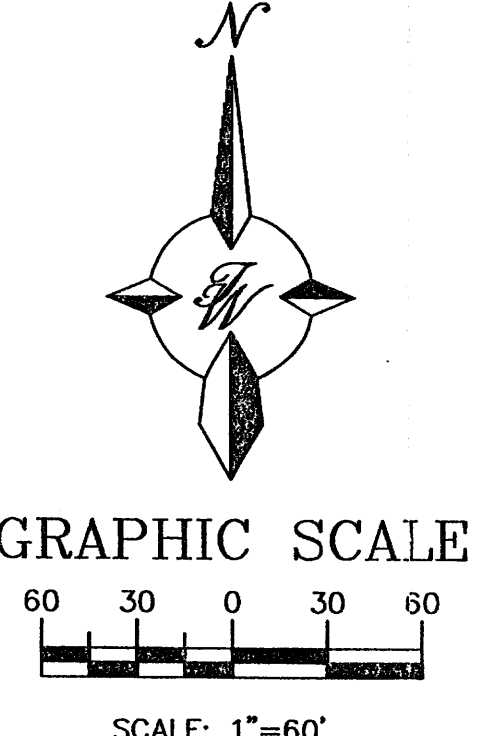
LEGEND

- EXISTING SAS MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING METER
- EXISTING VALVE W/BOX
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING STORM SEWER LINE
- EXISTING FENCE
- EXISTING CURB & GUTTER
- EXISTING BOUNDARY LINE
- EASEMENT
- EXISTING SIDEWALK
- EXISTING PERIMETER WALL
- EXISTING RETAINING WALL
- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- EXISTING SPOT ELEVATION
- CENTERLINE
- RIGHT-OF-WAY
- LOT LINES
- EXISTING LOT LINES
- SETBACK LINE
- GRADE BREAK
- PERIMETER WALL
- RETAINING WALL

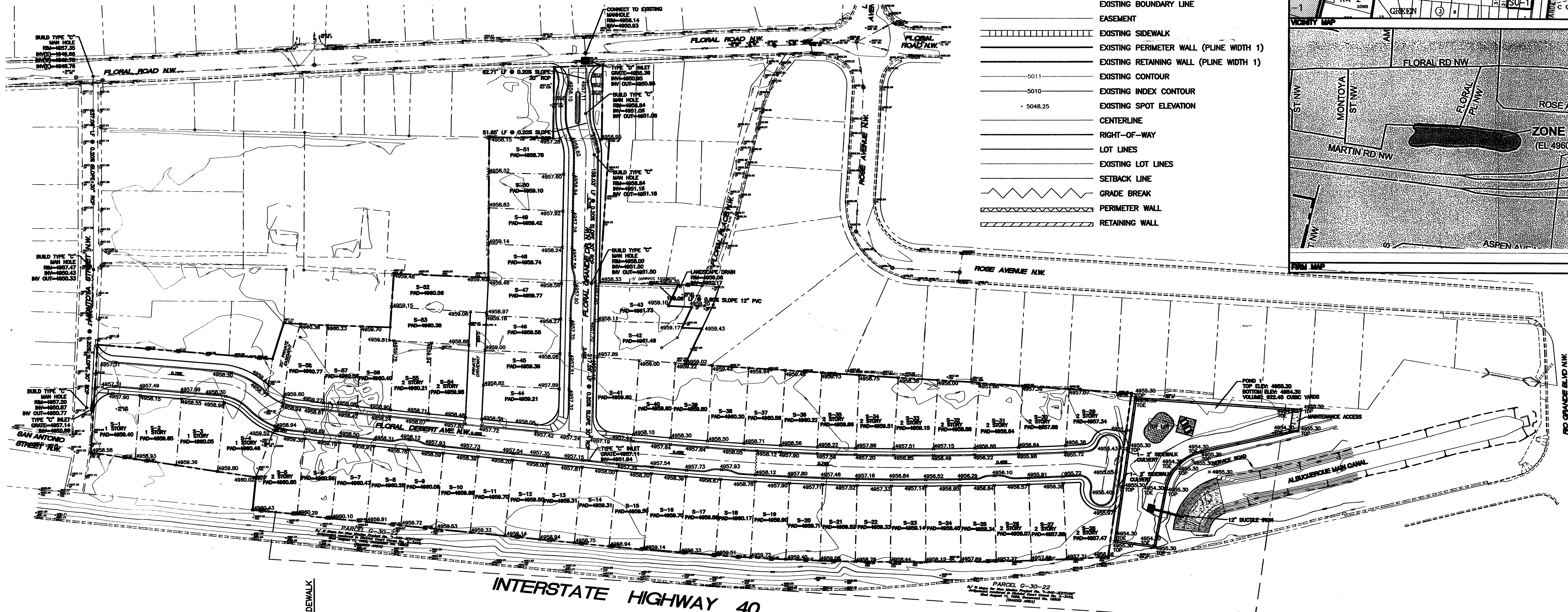


SITE DATA

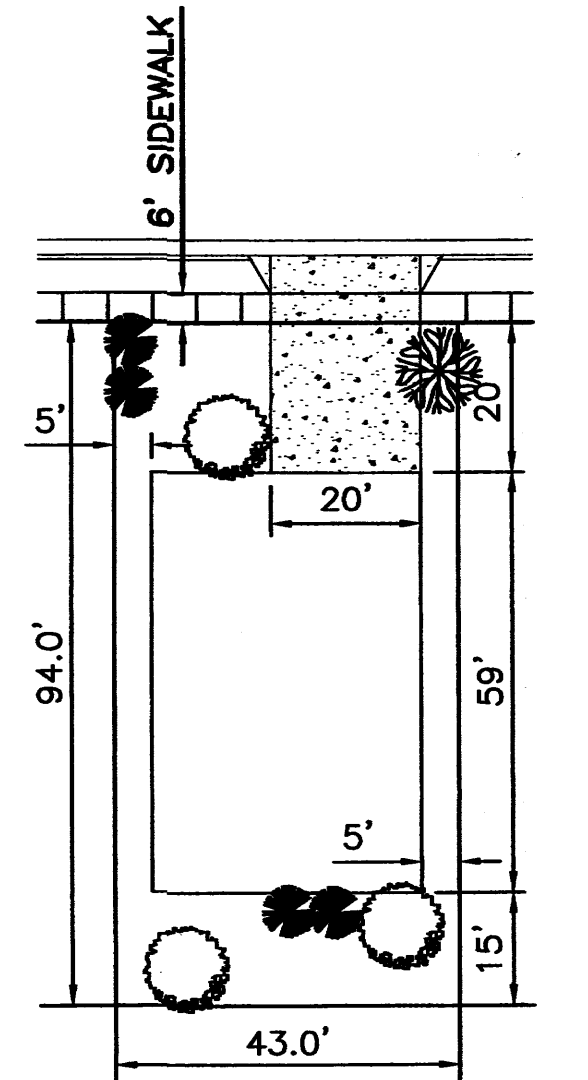
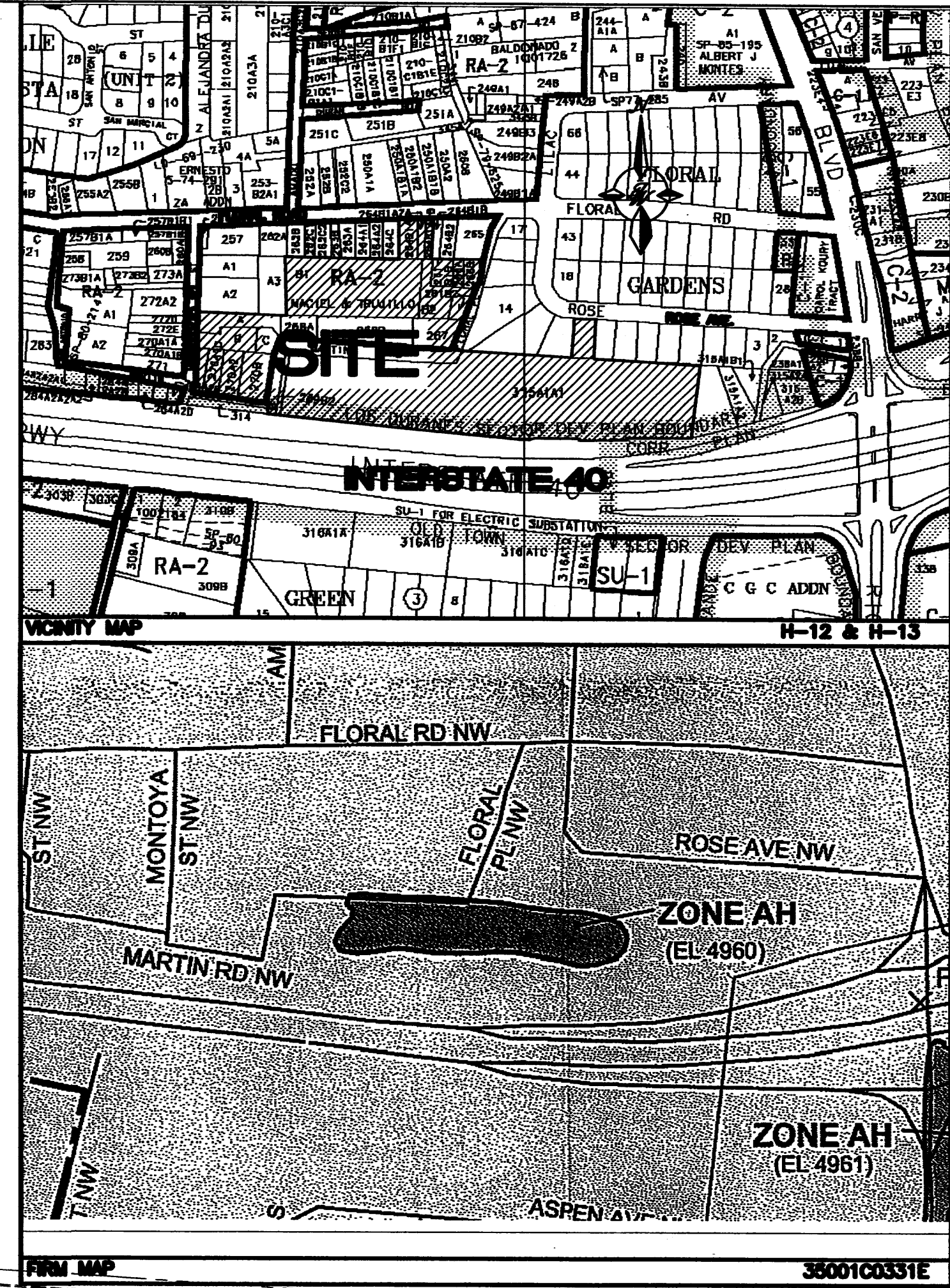
PROPOSED USAGE:	SINGLE FAMILY HOUSING
TRACT AREA:	-
NUMBER OF LOTS:	58
DENSITY:	45' X 86'
TOTAL UNITS:	58
ZONING:	RLT



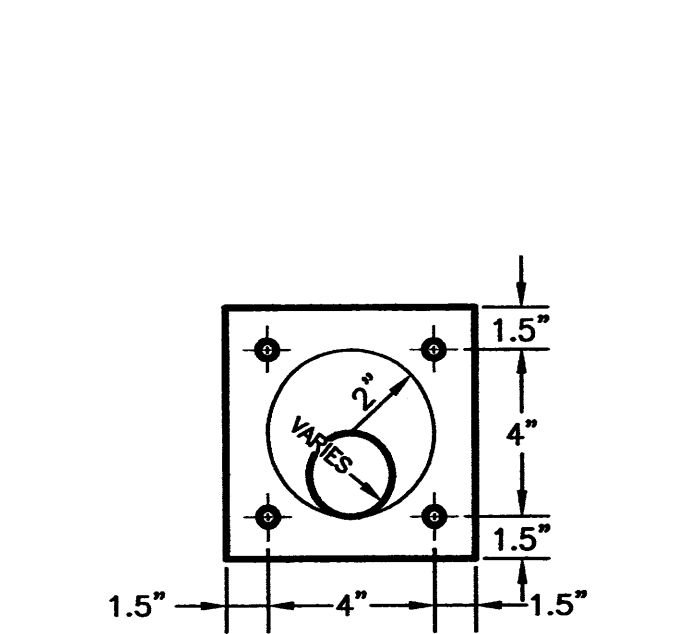
ENGINEER'S SEAL	FLORAL MEADOWS	DRAWN BY EMT
	GRADING AND DRAINAGE PLAN	DATE 01-03-05
	TERRA WEST, LLC	23134-GRB-11-10-04X
	8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	SHEET #
RONALD R. BOHANNAN P.E. #7868		JOB # 230134



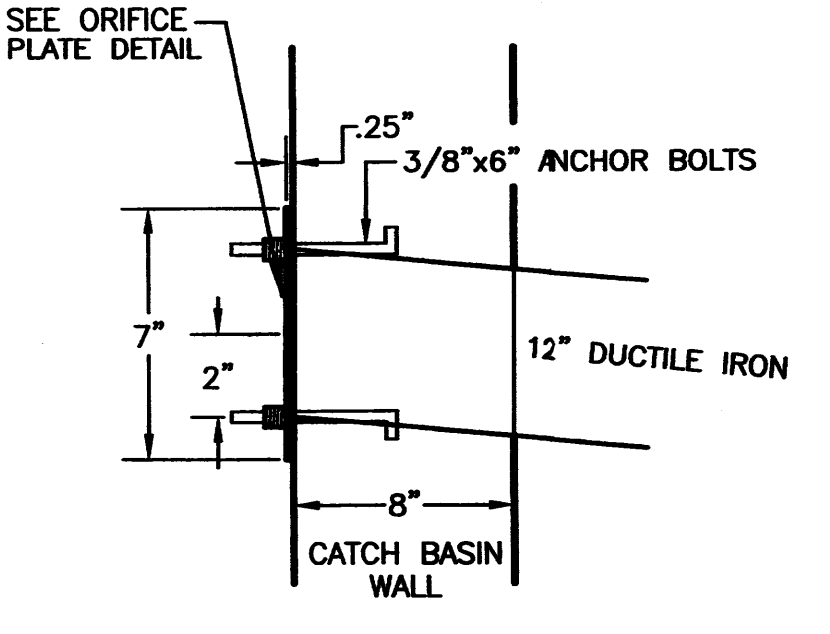
- LEGEND**
- EXISTING SAS MANHOLE
 - EXISTING SANITARY SEWER LINE
 - EXISTING METER
 - EXISTING VALVE W/BOX
 - EXISTING FIRE HYDRANT
 - EXISTING AIR RELEASE VALVE
 - EXISTING REDUCER
 - EXISTING WATER LINE
 - EXISTING STORM SEWER MANHOLE
 - EXISTING STORM SEWER INLET
 - EXISTING STORM SEWER LINE
 - EXISTING FENCE
 - EXISTING CURB & GUTTER
 - EXISTING BOUNDARY LINE
 - EASEMENT
 - EXISTING SIDEWALK
 - EXISTING PERIMETER WALL (PLINE WIDTH 1)
 - EXISTING RETAINING WALL (PLINE WIDTH 1)
 - EXISTING CONTOUR
 - EXISTING INDEX CONTOUR
 - EXISTING SPOT ELEVATION
 - CENTERLINE
 - RIGHT-OF-WAY
 - LOT LINES
 - EXISTING LOT LINES
 - SETBACK LINE
 - GRADE BREAK
 - PERIMETER WALL
 - RETAINING WALL



TYPICAL LOT LAYOUT
NTS



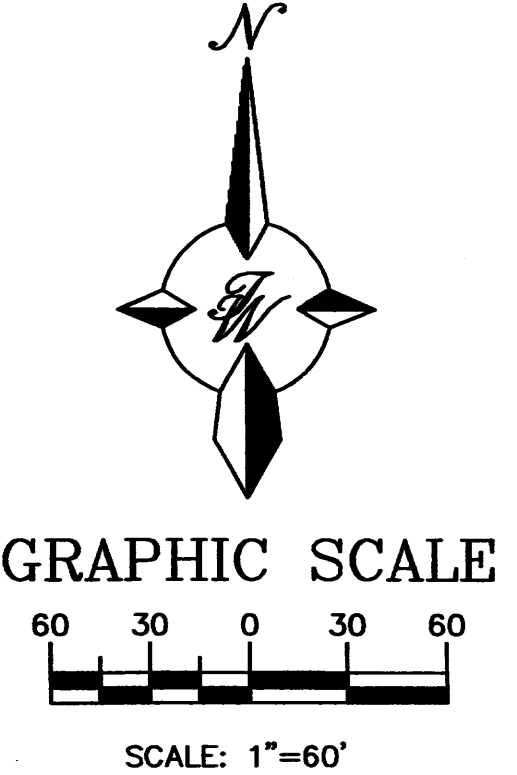
TYP. ORIFICE PLATE DETAIL
NTS



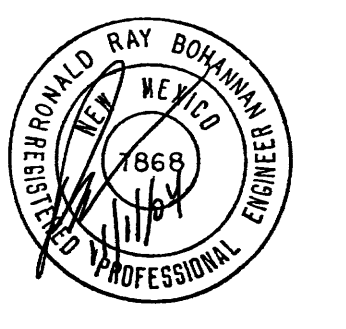

DETAIL A
TO BE INSTALLED @ THE OUTFLOW OF THE CATCH BASINS (SEE THIS PLAN FOR ORIFICE PLATE SIZES)

SITE DATA

PROPOSED USAGE:	SINGLE FAMILY HOUSING
TRACT AREA:	-
NUMBER OF LOTS:	58
DENSITY:	45' X 86'
TOTAL UNITS:	58
ZONING:	RLT



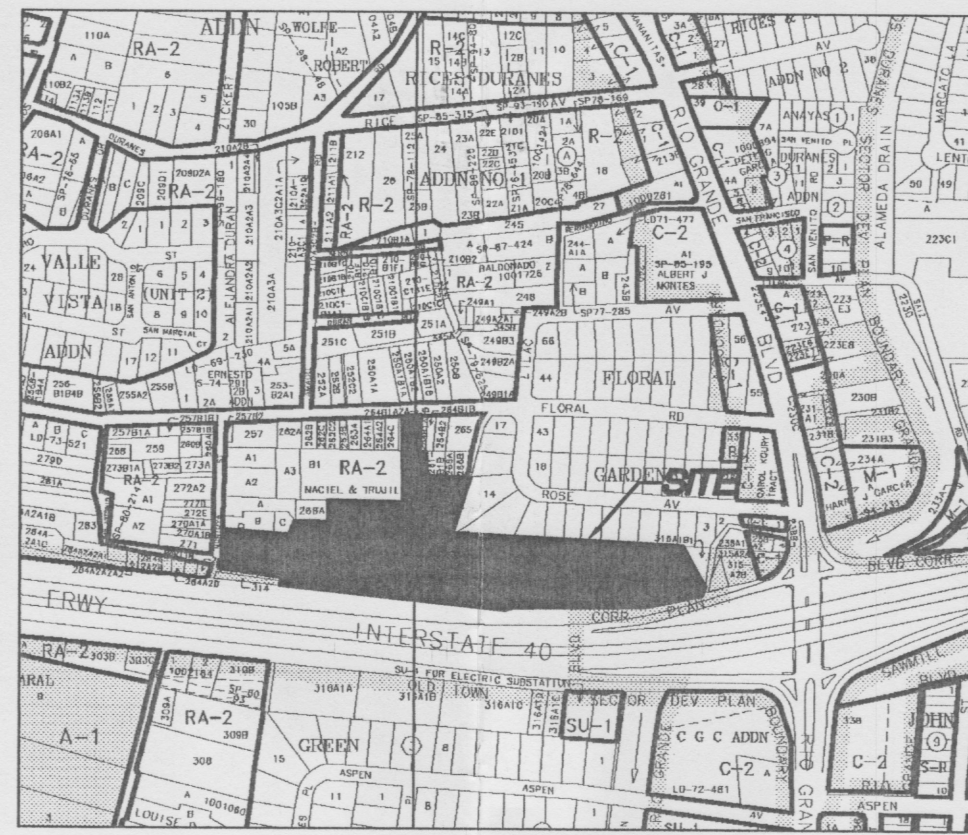
GRAPHIC SCALE
SCALE: 1"=60'

 RONALD R. BOHANNAN P.E. #17868	FLORAL MEADOWS	DRAWN BY EMT
	GRADING AND DRAINAGE PLAN	DATE 11-10-04
	 TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	23134-GRB-11-10-04X
		SHEET # -
		JOB # 230134

SEQUENCE OF CONSTRUCTION

PHASE I

1. INSTALL STABILIZED CONSTRUCTION ENTRANCES.
2. CONSTRUCT THE SILT FENCES ON THE SITE.
3. PREPARE TEMPORARY PARKING AND STORAGE AREA.
4. CONSTRUCT THE SEDIMENTATION AND SEDIMENT TRAP BASINS.
5. CLEAR AND GRUB THE SITE.
6. UNDERCUT GRADE AS REQUIRED.
7. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.
8. FINISH GRADING THE SITE. RAISE GRADES TO INDUCE DRAINAGE TOWARD TEMPORARY SEDIMENT BASINS.

SITE LOCATION MAP
NOT TO SCALE

USGS QUADRANGLE MAP

NOTE: SEE SITE PLAN FOR
EXISTING LEGEND SYMBOLS

PROPOSED

- BOUNDARY LINE
- RIGHT OF WAY LINE
- LIMITS OF DISTURBANCE
- GRADE BREAK
- CONTOUR ELEVATIONS
- STORM DRAIN
- DIRECTION OF OVERLAND FLOW W/ GRADE
- LIMITS OF DRAINAGE SUB-BASIN

EROSION DETAILS

- AV ANTI-VORTEX DEVICE
- CD ROCK CHECK DAM
- CE TEMPORARY STONE CONSTRUCTION EXIT
- DD TEMPORARY DIVERSION DIKE
- DS DEWATERING SYSTEM / STRUCTURE
- ST TEMPORARY SILT FENCE
- ST TEMPORARY SEDIMENT TRAP
- P1 BLOCK AND AGGREGATE INLET SEDIMENT FILTER
- P3 GRAVEL AND WIRE MESH INLET SEDIMENT FILTER
- P5 GRAVEL CURB INLET SEDIMENT FILTER
- P6 SILT FENCE INLET PROTECTION
- OP1 OUTLET PROTECTION RIP-RAP PAD (SEE SIZE THIS SHEET)
- EL PERMANENT EROSION CONTROL LINING
- SB TEMPORARY SEDIMENT BASIN

EROSION NOTES

- PS PERMANENT SEEDING
- TPS TEMPORARY PARKING AND STORAGE
- PROVIDE BARRICADE AT ALL ENTRANCE LOCATIONS W/O TEMP STONE CONSTRUCTION EXIT

ACREAGE SUMMARY in ACRES	
IMPERVIOUS AREA	0.02 AC±
SEEDDED AREA	2.79 AC±
TOTAL DISTURBED	2.81 AC±

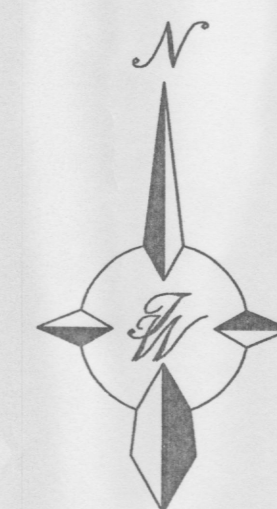
GENERAL EROSION NOTES

- THE STORMWATER POLLUTION PREVENTION PLAN IS COMPRISED OF THIS DRAWING ("SITE MAP"), THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN SPECIFICATIONS SECTION 02370 ("SWPPP"), PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF NEW MEXICO NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 21 DAYS, SHALL BE TEMPORARILY SEEDDED. THESE AREAS SHALL BE SEEDDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. PROVIDE ADEQUATE TEMPORARY IRRIGATION FOR GERMINATION.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED SHALL BE SEEDDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, STRAW BALES, ETC.) TO PREVENT EROSION.
- ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

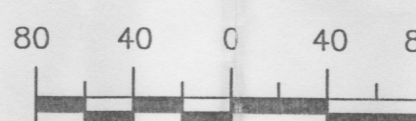
MAINTENANCE

- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
- ALL SEEDDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
- SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
- THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
- OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE	
NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE	
CONSTRUCTION SEQUENCE	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN
ROUGH GRADE / SEDIMENT CONTROL	
TEMPORARY CONTROL MEASURES	
STRIP & STOCKPILE TOPSOIL	
STORM FACILITIES	
TEMPORARY CONSTRUCTION ROADS	
FOUNDATION / BUILDING CONSTRUCTION	
SITE CONSTRUCTION	
PERMANENT CONTROL STRUCTURES	
FINISH GRADING	
LANDSCAPING/SEED/FINAL STABILIZATION	

PHASE I EROSION
AND SEDIMENTATION CONTROL PLAN

GRAPHIC SCALE



SCALE: 1"=80'



ROUGH STOCK PILE APPROVAL

8/23/04

RECEIVED

AUG 18 2004

TECHNOLOGY SECTION

FINAL DESIGN		XX-XX-XX	XX-XX-XX	XX-XX-XX	XX-XX-XX	XX-XX-XX
		DATE	PRN	PM	DES	DRW
NO.		DATE	REMARKS			BY
REVISIONS						
ENGINEER'S SEAL		LAS CASITAS DE LOS DURANES			DRAWN BY EMT	
		EROSION AND SEDIMENTATION CONTROL - PHASE I SITE MAP			DATE 8-18-04	
					23134-EAS PHASE I	
		TIERRA WEST, LLC			SHEET #	
		8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100			1 of 2	
RONALD R. BOHANNAN P.E. #7868					JOB # 23134	

CONSTRUCTION ENTRANCE

DTCONGSE 12/04/01

GRAVEL CURB INLET SEDIMENT FILTER

DTCURINSF 12/04/01

SEDIMENTATION/SILT FENCE WITH WIRE SUPPORT

DTSFENCE 12/04/01

TEMPORARY FILL DIVERSION

DTECFDIV 12/04/01

DIVERSIONS

DTECDIV 12/04/01

TEMPORARY SEDIMENT TRAP

DTSSEDTRP 12/04/01

TEMPORARY DIVERSION DIKE

DTECDIKE 12/04/01

SILT FENCE INLET PROTECTION

DTSFINSP 12/04/01

GRAVEL AND WIRE MESH INLET SEDIMENT FILTER
(ALTERNATE TO IP6)

DTCURINSF 12/04/01



EXCAVATED INLET SEDIMENT TRAP

DTEINLETST 12/04/01

BLOCK AND AGGREGATE INLET SEDIMENT FILTER
(ALTERNATE TO IP6)

DTEBLINSF 12/04/01

EROSION AND SEDIMENTATION CONTROL PLAN DETAILS

FINAL DESIGN		XX-XX-XX DATE	XX-XX-XX PRN	XX-XX-XX PM	XX-XX-XX DES	XX-XX-XX DRW
NO.	DATE	REMARKS				BY
REVISIONS						
<div>ENGINEER'S SEAL</div> <div></div>		LAS CASITAS DE LOS DURANES				DRAWN BY EMT
		EROSION AND SEDIMENTATION CONTROL - DETAILS				DATE 8-18-04
						23134-EAS DETAILS
RONALD R. BOHANNAN P.E. #7868		<div></div> <div>Tierra West, LLC</div> <div>8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100</div>				SHEET # 2 of 2
						JOB # 23134