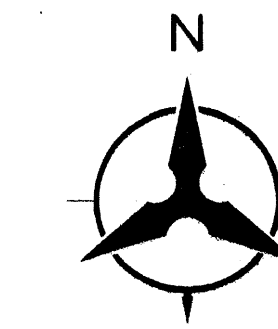
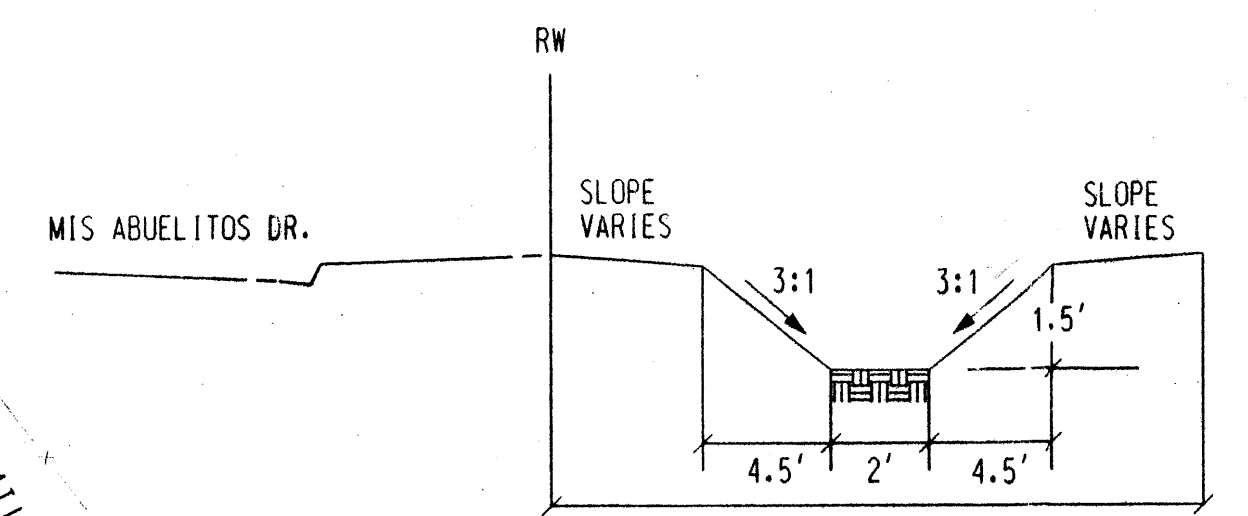
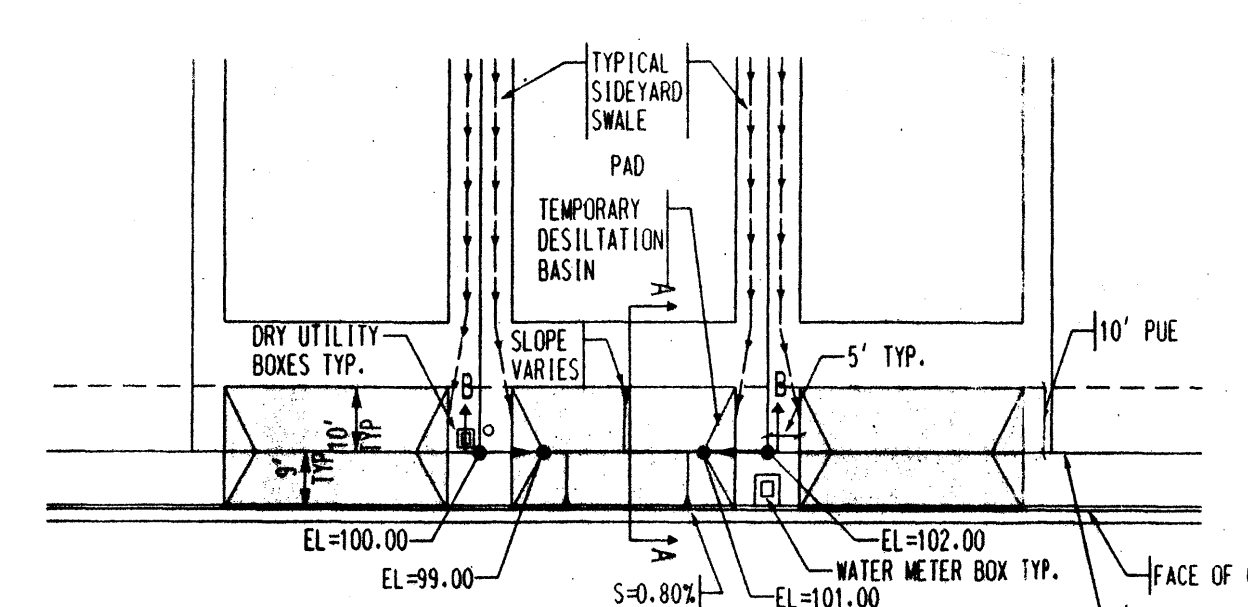
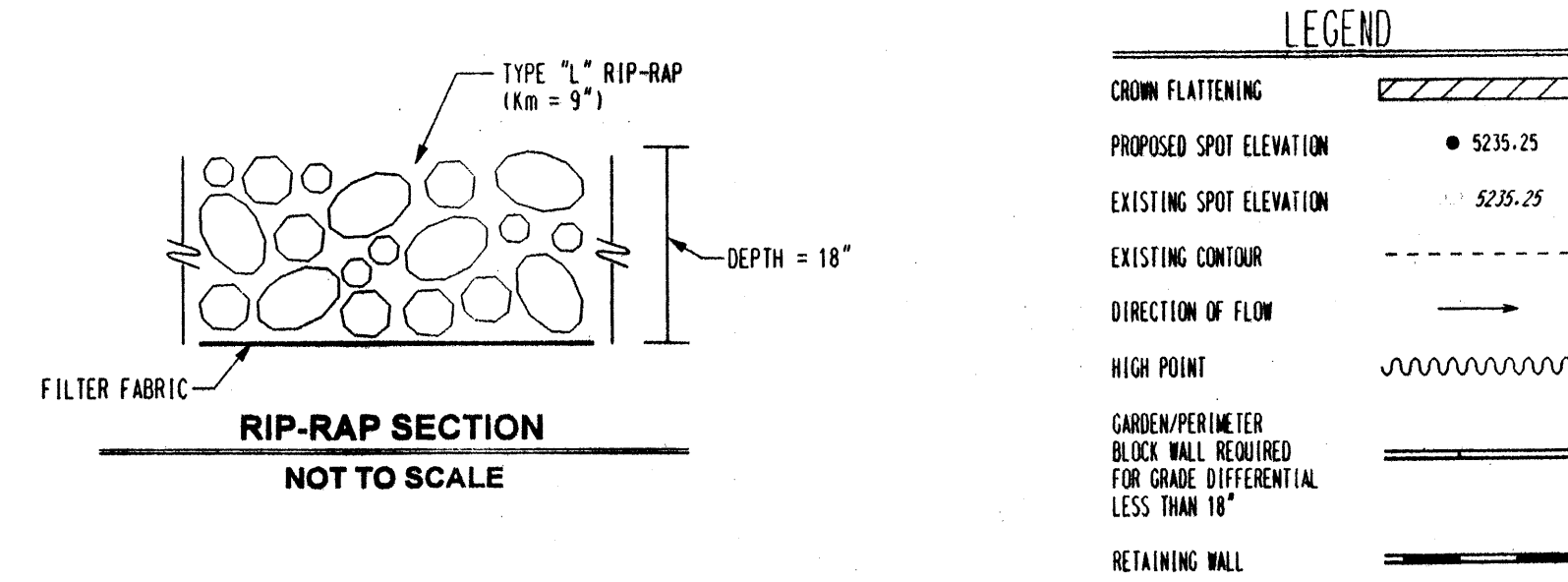


OLD ALBUQUERQUE ACEQUIA



SCALE: 1" = 50' (HORIZ.)

- GENERAL NOTES:
- EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
 - CONTRACTOR SHALL OBTAIN AND ABIDE BY A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DIVISION, PRIOR TO CONSTRUCTION. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
 - ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SOILS REPORT PREPARED BY VINYARD & ASSOC. ALL OTHER WORK, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS (FIRST PRIORITY), AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
 - TWO WORKING DAYS PRIOR TO EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (765-1264) FOR LOCATION OF EXISTING UTILITIES.
 - PRIOR TO GRADING, ALL VEGETATION DEBRIS, AND NEAR SURFACE ORGANICALLY CONTAMINATED SOIL SHALL BE STRIPPED FROM ALL AREAS TO BE GRADED. VEGETATION AND DEBRIS SHALL BE DISPOSED OF OFF-SITE OR STOCK-PILED FOR USE IN PLANTERS AND NON-STRUCTURAL FILLS.
 - EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
 - IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
 - THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
 - A DISPOSAL SITE FOR ALL EXCESS EXCAVATION AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
 - PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATIONS.
 - ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT FLOWLINE ELEVATION.

Bohannon & Huston

Courtyard I 7500 Jefferson St NE Albuquerque, NM 87108-4335

ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

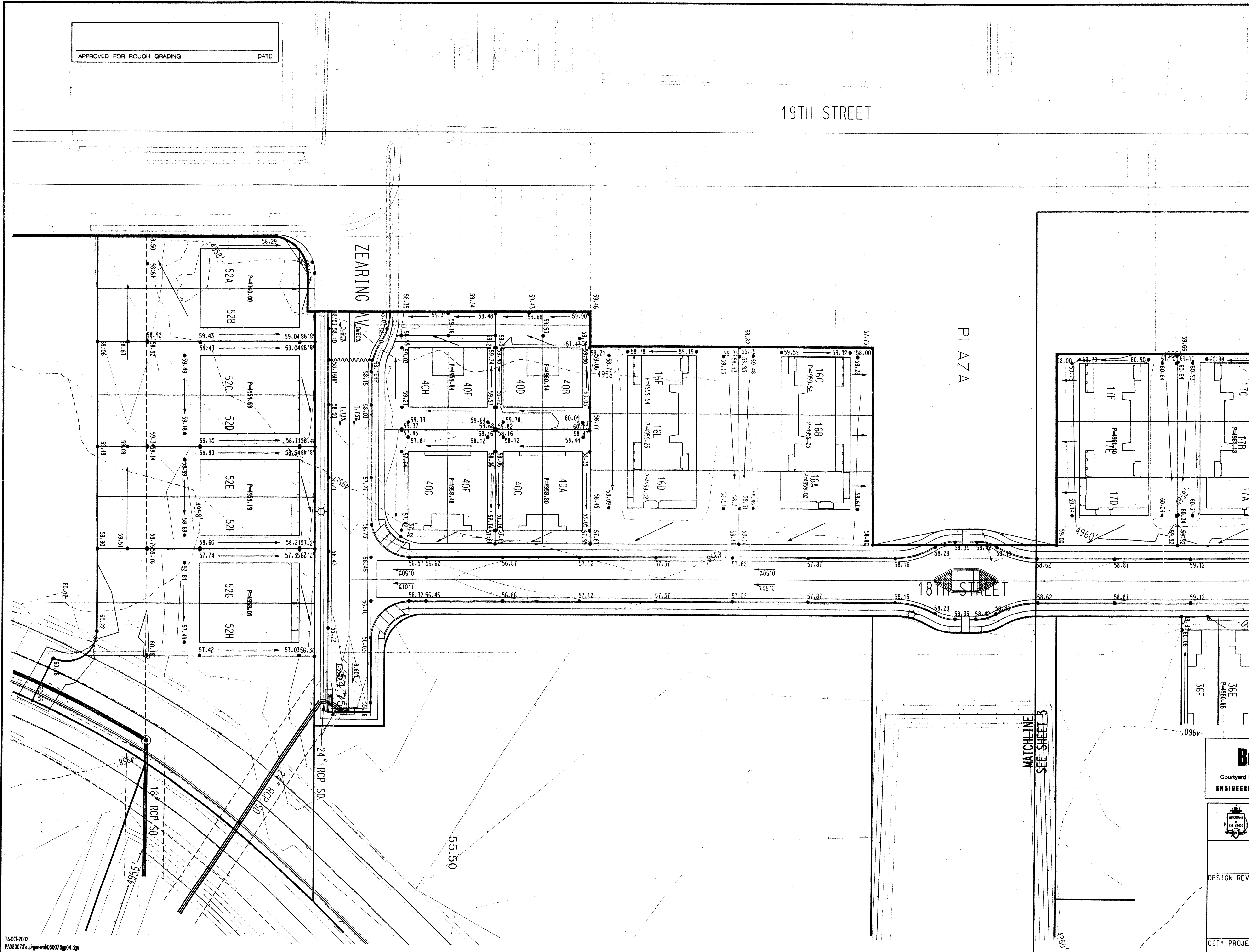
ENGINEERING DEVELOPMENT GROUP

ARBOLERA DE VIDA - UNIT 2

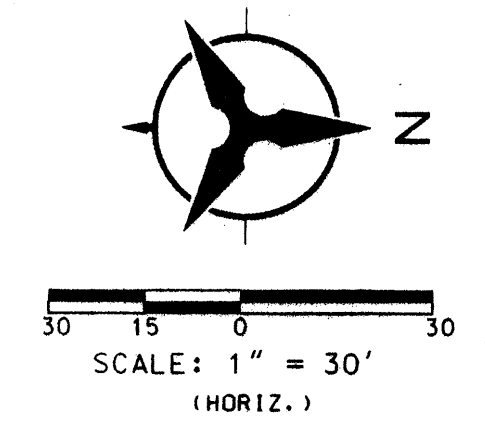
GRADING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
LAST DESIGN UPDATE			
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
	H-13-2/1-13-2	2	4

BHI JOB NO. 030073



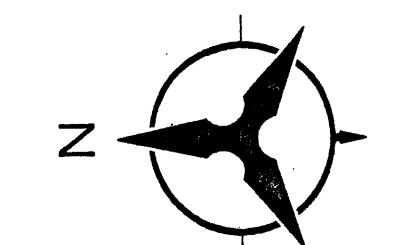
- LEGEND**
- CROWN FLATTENING
 - PROPOSED SPOT ELEVATION
 - EXISTING SPOT ELEVATION
 - EXISTING CONTOUR
 - DIRECTION OF FLOW
 - HIGH POINT
 - GARDEN/PERIMETER BLOCK WALL REQUIRED FOR GRADE DIFFERENTIAL LESS THAN 18"
 - RETAINING WALL



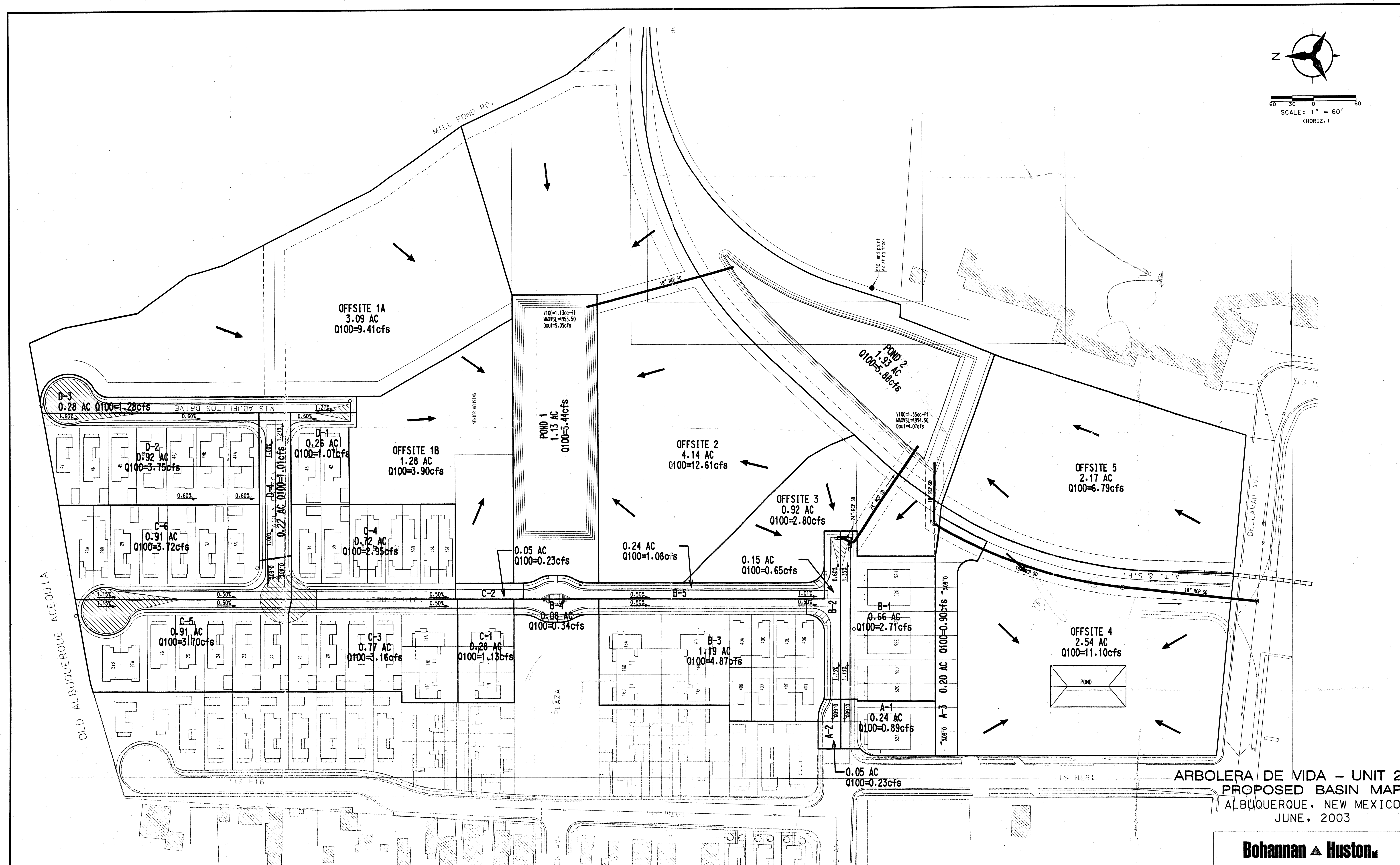
Bohannon & Huston
Courtney 1 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
ARBOLERA DE VIDA - UNIT 2 GRADING PLAN			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
LAST DESIGN UPDATE			
CITY PROJECT NO.		ZONE MAP NO.	SHEET OF
		H-13-2/1-13-2	4 4

ENGINEER'S SEAL SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
FIELD NOTES		ACS ALUMINUM TABLET STAMPED		CONTRACTOR	
NO.		DATE		DATE	
BY		DATE		DATE	
REMARKS		GEOGRAPHIC POSITION (NAD 1927)		INSPECTOR'S	
BY		N.M. STATE PLANE COORDINATES		ACCEPTANCE BY	
DESIGN		(CENTRAL ZONE)		DATE	
DATE 03/2003		X= 365,125.211 Y= 1,499,735.31		DATE	
DRAWN BY JML		GROUND-TO-GRID FACTOR = 0.9996167		DATE	
CHECKED BY KGP		ΔLOC = -00°15'34"		DATE	



SCALE: 1" = 60'
(HORIZ.)



ARROLERA DE VIDA - UNIT 2
PROPOSED BASIN MAP
ALBUQUERQUE, NEW MEXICO
JUNE, 2003

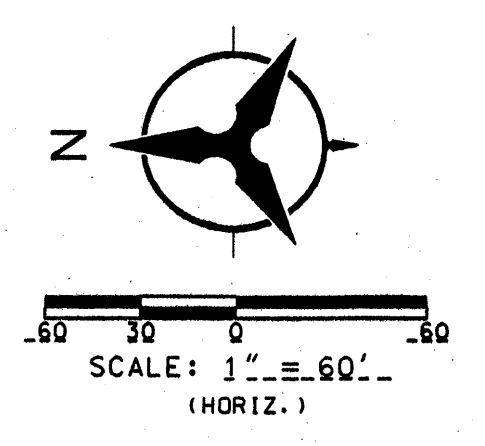
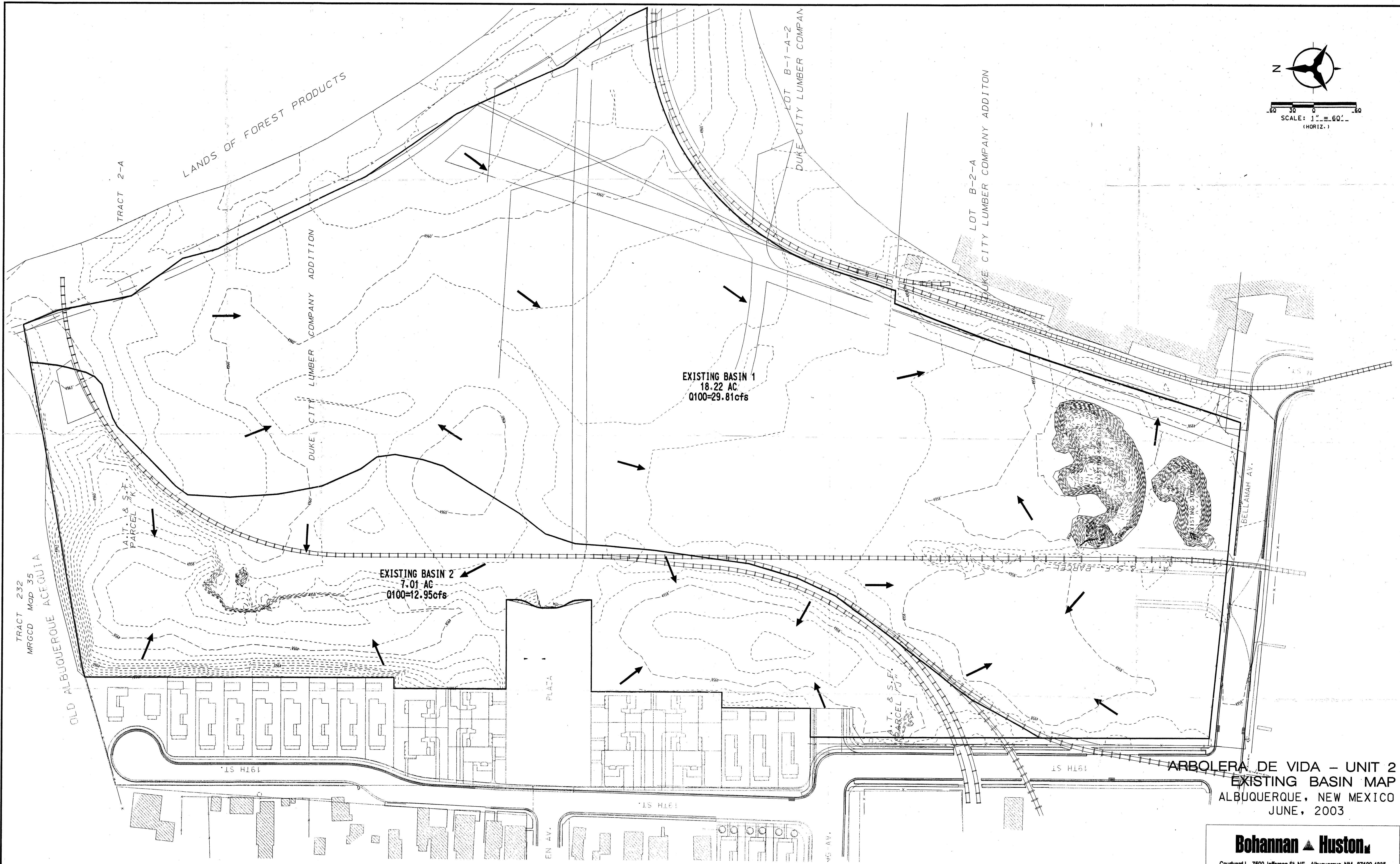
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ENGINEERING & SPATIAL DATA & ADVANCED TECHNOLOGIES

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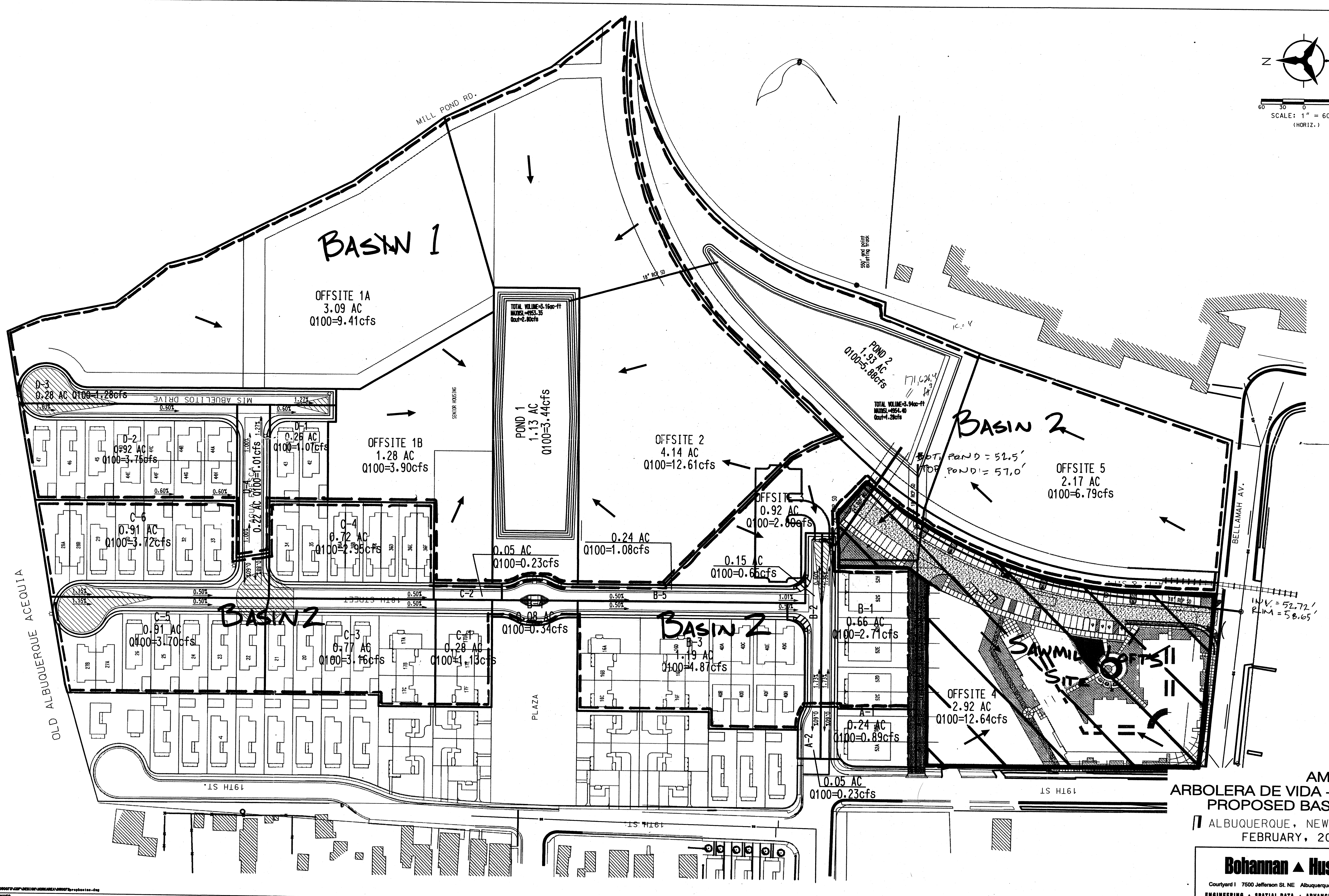
ARBOLERA DE VIDA - UNIT 2
 EXISTING BASIN MAP
 ALBUQUERQUE, NEW MEXICO
 JUNE, 2003

Bohannon & Huston
 Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
 ENGINEERING & SPATIAL DATA & ADVANCED TECHNOLOGIES

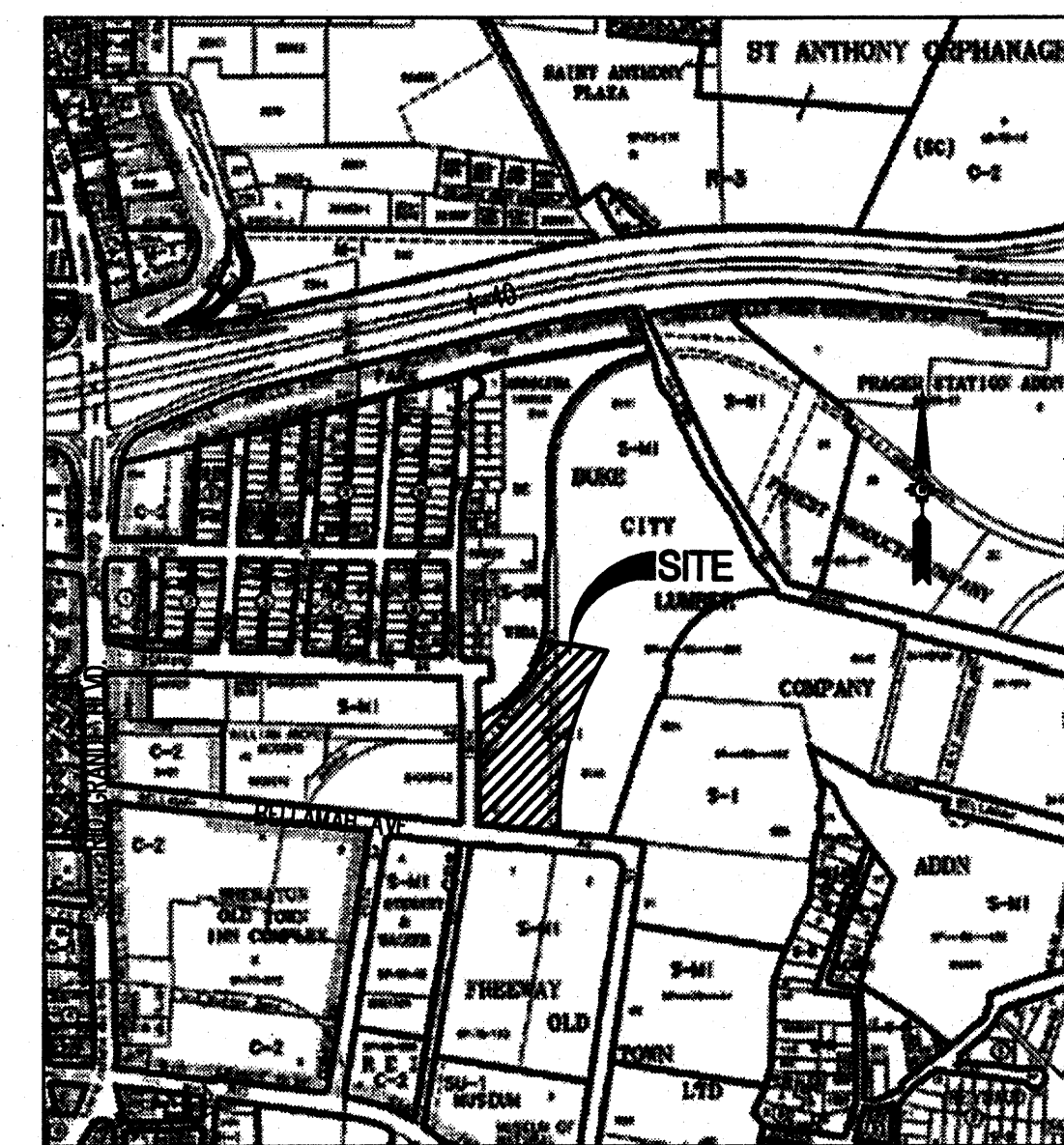
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Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES



VICINITY MAP
ZONE ATLAS PAGE 4-13/H-13

LEGEND

- 5.301.15 --- EXISTING GROUND SPOT ELEVATION
- 65.23 EXISTING ELECTRICAL POLE
- 5.301.15 --- PROPOSED SPOT ELEVATION
- 5.301.15 --- TO-TOPO OF CURB, FL=FLOW LINE
- 5.301.15 --- TO-TOPO OF SIDEWALK, TO-TOPO OF BERM
- 5.301.15 --- EX=EXISTING, TO=TOP OF GRADE
- 5.301.15 --- PROPOSED DIRECTION OF FLOW
- 5.301.15 --- WATER BLOCK
- 5.301.15 --- PROPOSED RETAINING WALL
- 5.301.15 --- PROPOSED INDEX CONTOURS
- 5.301.15 --- PROPOSED INTER CONTOURS
- 5.301.15 --- PROPOSED CURB & GUTTER
- 5.301.15 --- EASEMENT
- 5.301.15 --- EXISTING TREE
- 5.301.15 --- PROPOSED LIGHTING
- 5.301.15 --- PROPOSED STORM DRAIN LINE
- 5.301.15 --- PROPOSED STORM DRAIN MANHOLE
- 5.301.15 --- PROPOSED STORM DRAIN INLET
- 5.301.15 --- EXISTING STORM DRAIN MANHOLE

GRADING KEYED NOTES

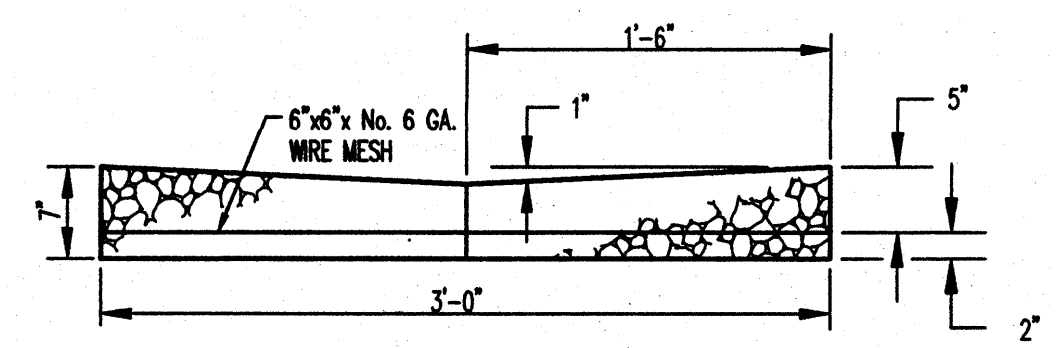
1. INSTALL 18" WIDE SIDEWALK CULVERT PER COA. STD. DWG 2236.
2. INSTALL TYPE 'D' INLET PER COA. STD. DWG 2206.
3. ROOF DRAINS SHALL BE 4" DIA. PVC PIPE. INVERTS SHALL BE 57.50, UNLESS SPECIFIED ON PLANS. THE ROOF DRAIN INTO STORM DRAIN LINE VIA DETAIL ON ARCHITECTURAL SHEETS. ALL ROOF DRAINS NOT TIED DIRECTLY TO STORM DRAIN SHALL DRAIN VIA SURFACE FLOW TO NEW INLETS.
4. INSTALL 3" VALLEY GUTTER PER DETAIL SHEET.
5. INSTALL 18" ADS NYLOPLAST DRAIN BASIN OR APPROVED EQUAL. SEE PLAN FOR GRATE ELEVATION.
6. INSTALL 24" ADS NYLOPLAST DRAIN BASIN OR APPROVED EQUAL. SEE PLAN FOR GRATE ELEVATION AND INVERT.
7. INSTALL CLEANOUT PER DETAIL SHEET C201.
8. THE NEW STORM DRAIN TO STUB OUT CONSTRUCTED UNDER CITY PROJECT #17582.
9. THE STORM DRAIN FROM INTERIOR DRAINS TO EXTERIOR STORM DRAIN SYSTEM.

BENCHMARK

NMHC MONUMENT "1-40-15"
N=378,204.72
E=1,494,103.76
G=5,996,784.3
Delta alpha = -0014'03"
NAD 83, Central Zone, NAD 27

GRADING NOTES

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.
3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION," AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT, (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
6. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS OR SILT FENCE AT THE PROPERTY LINES AND NETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND Haul TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
8. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATION.
9. ALL PROPOSED CONTOURS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR MEDANS AND ISLANDS.
10. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.



TYPICAL VALLEY GUTTER SECTION
CONCRETE FOR ALL VALLEY GUTTERS WILL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 24 HOURS.

GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT, WHERE APPLICABLE. CITY OF ALBUQUERQUE PUBLIC WORKS STANDARDS SHALL APPLY.
2. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER 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, 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 OERKS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
8. 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.
9. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).
10. ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
11. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US 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 BARRICADES AT THE END AND BEGINNING OF EACH DAY.
14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM TO EPA REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, PREPARATION OF A STORM WATER POLLUTION PREVENTION PLAN, SUBMISSION OF THE NOTICE OF INTENT AND IMPLEMENTATION OF THE SWPPP.

ADDITIVE ALTERNATE #3 KEYED NOTES

10. INSTALL 12" TEE WITH BLOCKING.
11. THE NEW 12" LINE TO CISTERN.
12. THE 12" STORM DRAIN TO NEW INLET.
13. THE STORM DRAIN TO 12" LINE VIA 12" TEE FITTING.

DRAINAGE CERTIFICATION

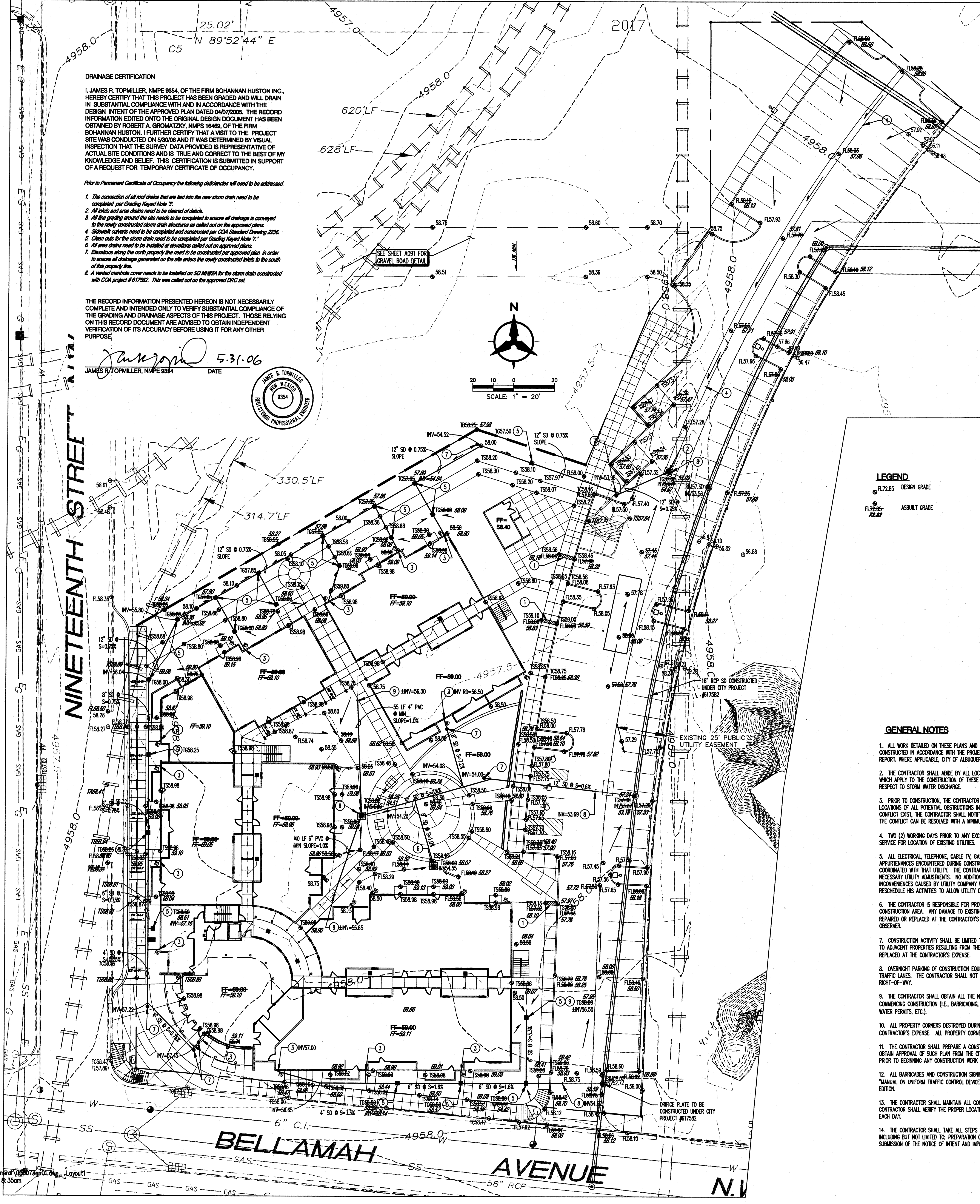
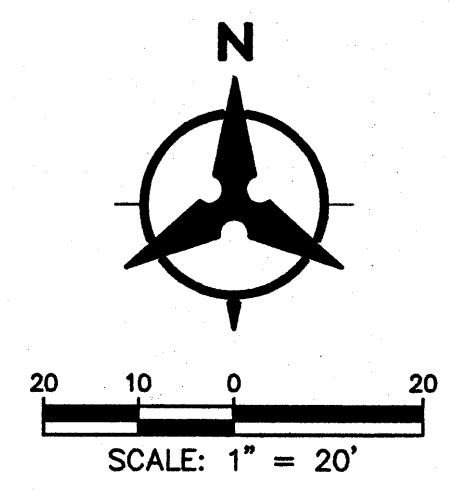
I, JAMES R. TOPMILLER, NMPE 9354, OF THE FIRM BOHANNAN HUSTON INC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 04/07/2005. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ROBERT A. GROMATZKY, NMPS 16469, OF THE FIRM BOHANNAN HUSTON, I FURTHER CERTIFY THAT A VISIT TO THE PROJECT SITE WAS CONDUCTED ON 6/30/06 AND IT WAS 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 TEMPORARY CERTIFICATE OF OCCUPANCY.

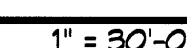
Prior to Permanent Certificate of Occupancy the following deficiencies will need to be addressed:

1. The connection of all roof drains that are tied into the new storm drain need to be completed per Grading Keyed Note 3.
2. All inlets and area drains need to be cleared of debris.
3. All new grading around the site needs to be completed to ensure all drainage is conveyed to the newly constructed storm drain structure as called out on the approved plans.
4. Sidewalk culverts need to be completed and constructed per COA Standard Drawing 2236.
5. Clean outs for the storm drain need to be completed per Grading Keyed Note 7.
6. All area drains need to be installed at elevations called out on approved plans.
7. Elevations along the north property line need to be constructed per approved plan in order to ensure all drainage generated on the site enters the newly constructed inlets to the south of the property line.
8. A vented manhole cover needs to be installed on SD 1482A for the storm drain constructed with COA project # 617532. This was called out on the approved DRC set.

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 THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

JAMES R. TOPMILLER, NMPE 9354
DATE 5/31/06



SHEET NO.

A00'
OF

KEYED NOTES

EXISTING / DEMOLITION

1. REMOVE EXISTING CHAIN LINK FENCE ALONG BELLAMAH AND 19TH STREET.
2. REMOVE EXISTING CONCRETE CURB, GUTTER AND SIDEWALK TO EXTENT SHOWN ON DRAWING.
3. SALVAGE EXISTING FIRE HYDRANT.

KEYED NOTES

SITE WORK

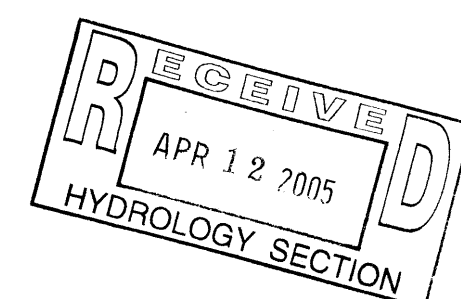
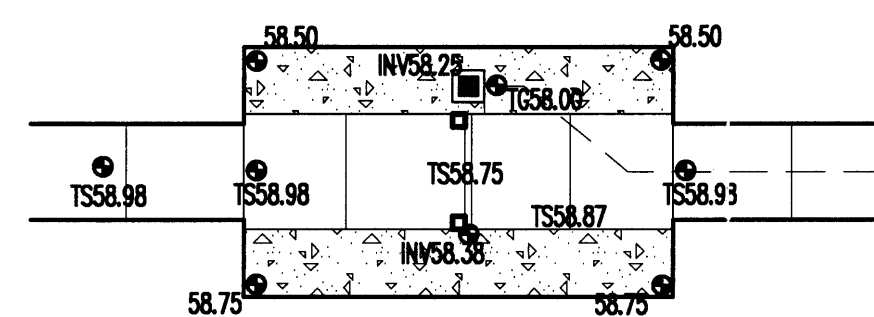
11. CONCRETE HANDICAP RAMP AT SIDEWALK. SEE A6/A091.
12. RELOCATED(SALVAGED) FIRE HYDRANT.
13. DRIVE PAD PER CIVIL TO BE CONSTRUCTED UNDER CITY PROJECT #617562.
14. PROPERTY LINE.
15. CITY OF ALBUQUERQUE APPROVED SETBACK LINE. SEE 6101 FOR ADDITIONAL INFORMATION.
16. NEW CONCRETE HEADER CURB. SEE A1/A091.
17. NEW CONCRETE SIDEWALK. SEE A1/A091.
18. NEW CONCRETE CURB AND GUTTER. SEE CIVIL DRAWINGS.
19. NEW ASPHALT PAVEMENT LIGHTWEIGHT SECTION. SEE B2/A091.
20. NEW 4" WIDE PAINTED PARKING STRIPE, EQUALLY SPACED.
21. NEW 4" WIDE PAINTED STRIPE AT 2'-0" O.C. ACCESS AISLE WIDTH.
22. NEW POLE MOUNTED ACCESSIBLE PARKING SIGNAGE. SEE E5/A091.
23. NEW STEEL FENCING. SEE D2/A091.
24. NEW PARKING AREA LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
25. NEW 6" WIDE CMU PATIO WALLS. SEE D1/A091.
26. WHEELCHAIR ACCESSIBLE RAMP. SEE A4/A091.
27. REFUSE CONTAINER ENCLOSURE. SEE D3/A091.
28. LANDSCAPE AREA. SEE LANDSCAPE PLAN L001.
29. ACCESS EASEMENT ROAD. SEE CIVIL DRAWING.
30. FIRE LANE - PAINT CURB RED.
31. FIRE DEPARTMENT CONNECTION AT BUILDING.
32. FIRE SPRINKLER RISER EQUIPMENT ROOM.
33. NEW FIRE HYDRANT.
34. AREA DRAIN. SEE DRAINAGE AND GRADING PLAN.
35. NEW CONCRETE DRIVEPAD. REFER TO C04 DRAWING 2426.
36. ELECTRICAL SERVICE/METER LOCATION. SEE ELECTRICAL DRAWINGS.
37. GAS SERVICE/METER LOCATION. SEE PLUMBING DRAWINGS.
38. INTERNATIONAL SYMBOL OF ACCESSIBILITY PAINTED SAFETY WHITE. SEE E6/A091.
39. 6" RECYCLED PLASTIC WHEELSTOP. SEE C4/A091.
40. PROPOSED TRANSFORMER LOCATION.
41. NEW ASPHALT PAVEMENT HEAVYWEIGHT SECTION. SEE B2/A091.
42. CONCRETE HANDICAP RAMP AT SIDEWALK. SEE B2/A091.
43. CONCRETE CUT-OFF EDGE. SEE B4/A091.
44. CONCRETE PAVING. SEE A1/A091.
45. INTEGRAL COLOR CONCRETE PAVING, DAVIS COLOR BRICK RED.
46. PLAY EQUIPMENT KOMPAK GXY8011. SEE GENERAL NOTES.
47. MAILBOXES WITH PEDESTAL STAND. SEE L002.
48. BIKE RACK. SEE L002.
49. CONCRETE SEAT WALL. SEE C1/A091.
50. PICNIC TABLE WITH BENCH SEATING. SEE L002.
51. BBQ GRILL. SEE L002.
52. CMU 3' HIGH WALL. SEE C2/A091.
53. BENCH WITH SEAT BACK. SEE L002.
54. PLAY EQUIPMENT KOMPAK TRIPLE SHIFTER. SEE GENERAL NOTES.
55. 12" DEEP MASONRY SAND. SEE C8/A091.
56. 3" COMPACTED CRUSHER FINES. SEE SHEET L001 AND DETAIL B6/A091.
57. CONCRETE CURB. SEE C8/A091.
58. CONCRETE JOINT. SEE A3/A091.
59. COMMUNITY GARDEN AREA WITH YARD HYDRANT AND DRIP IRRIGATION.
60. CONCRETE WITH THICKENED EDGE ALL ALONG THE PLAYGROUND. SEE C6/A091.
61. CMU 3' HIGH WALL VERTICAL JOINT.

GENERAL NOTES

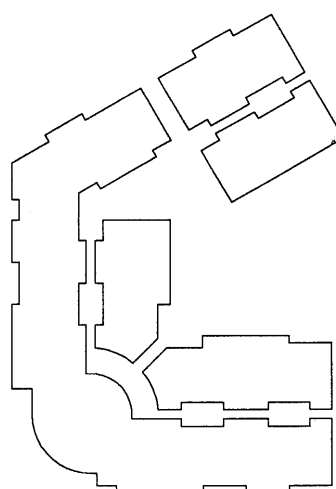
- A. KOMPAK PLAY EQUIPMENT QUANTITY ONE OF MODEL #GXY801100-3111 AND QUANTITY ONE OF MODEL #H02100-3411P.
EACH PLAY STRUCTURE IS TO BE INSTALLED IN THE SAND PLAY AREA AS LOCATED ON SITE PLAN. THE INSTALLATION IS TO BE BY THE PLAYGROUND EQUIPMENT MANUFACTURER'S CERTIFIED INSTALLER PER MANUFACTURER'S INSTALLATION GUIDELINES AND ASTM 148201 AND CPSC GUIDELINES. NEW MEXICO SALES REP IS RON KOERNER @ 505-278-5460.
- B. LIGHT POLE FOOTINGS ARE INCLUDED AS SPECIFIED BY MANUFACTURER'S INSTALLATION GUIDELINES.

LEGEND

- MOUNTAIN ROSE CRUSHER FINES
- MOUNTAIN ROSE 3/8" GRAVEL MULCH
- HEAVYWEIGHT SECTION ASPHALT
- INTEGRAL CONCRETE COLOR DAVIS BRICK RED



KEY PLAN



REVISIONS

- | NO. | DATE | DESCRIPTION |
|-----|----------|--------------------|
| 1 | 03.31.05 | FINAL COORDINATION |

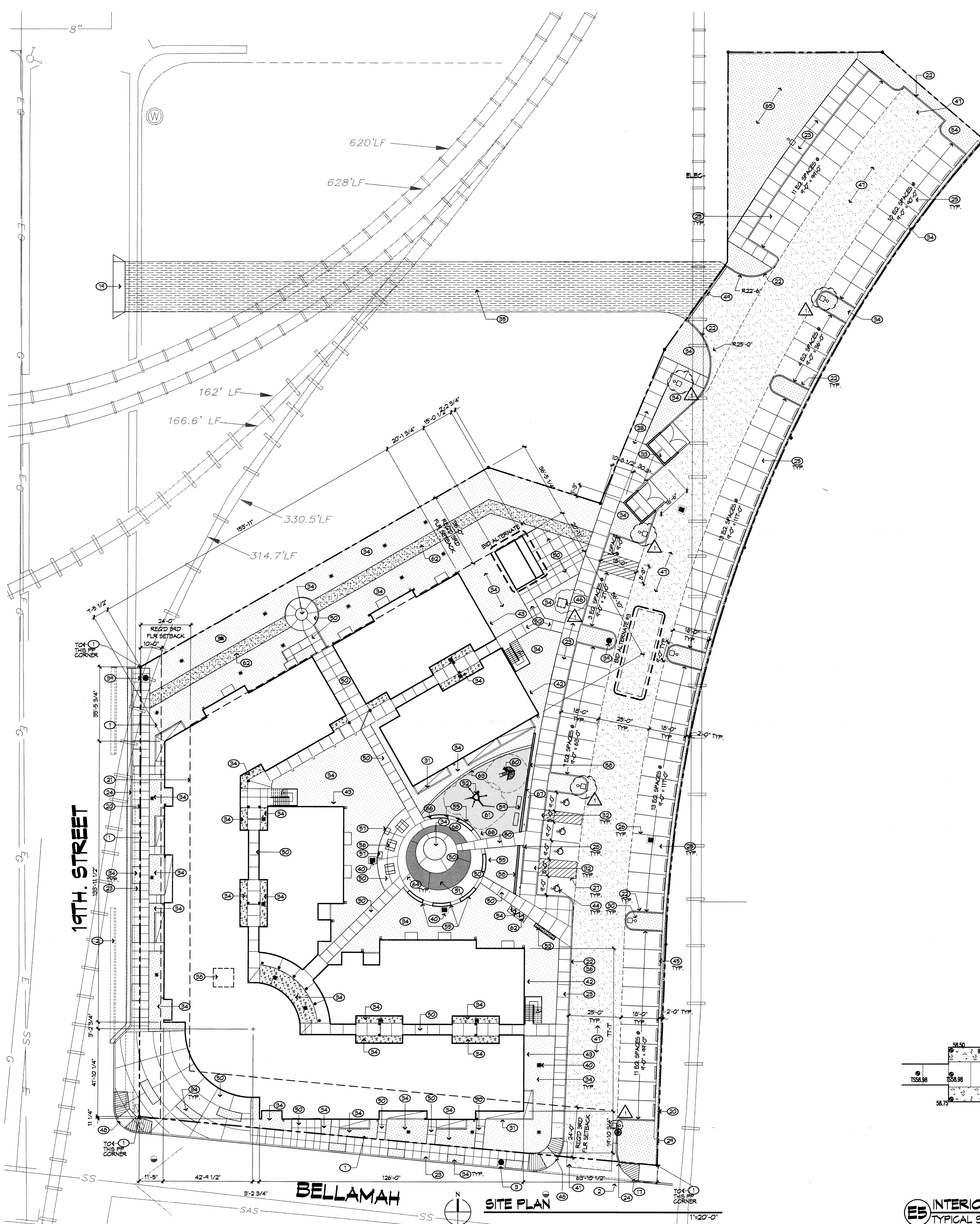
- | | |
|--------------|-----------|
| DRAWN BY | YT |
| REVIEWED BY | MB |
| DATE | 2/10/05 |
| PROJECT NO. | 04008 |
| DRAWING NAME | SITE PLAN |

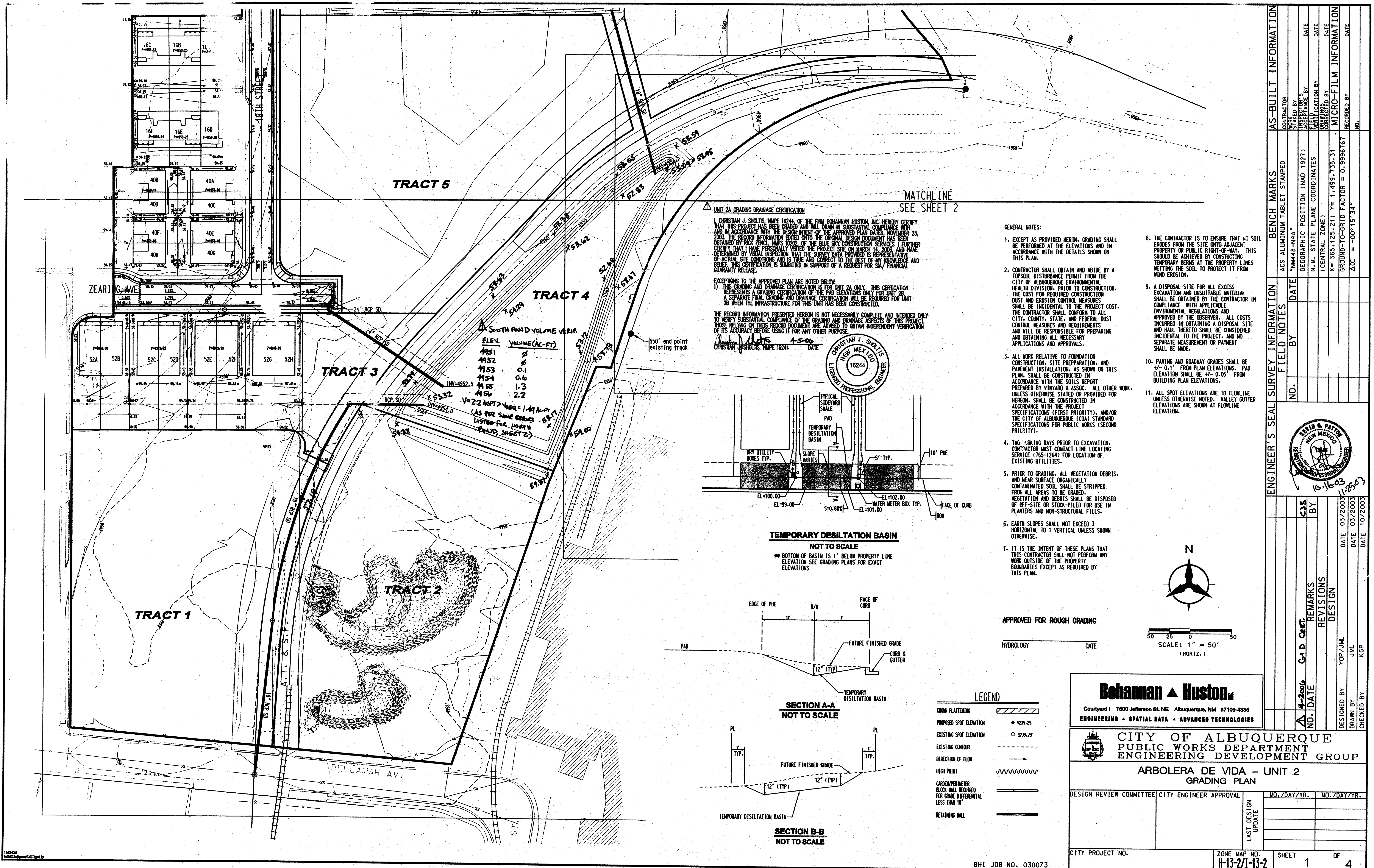
SHEET NO.

A001
OF

INTERIOR COURT PLAN
TYPICAL SPOT ELEVATIONS

1" = 10'-0"





SOUTH POND VOLUME VERIF.

ELEV.	VOLUME (AC-FT)
4151	0
4152	0
4153	0.1
4154	0.6
4155	1.3
4156	2.2

V = 22 ACFT
VOL = 1.41 AC-FT
(AS PER SAME ORDER LISTED FOR NORTH POND SHEET 2)

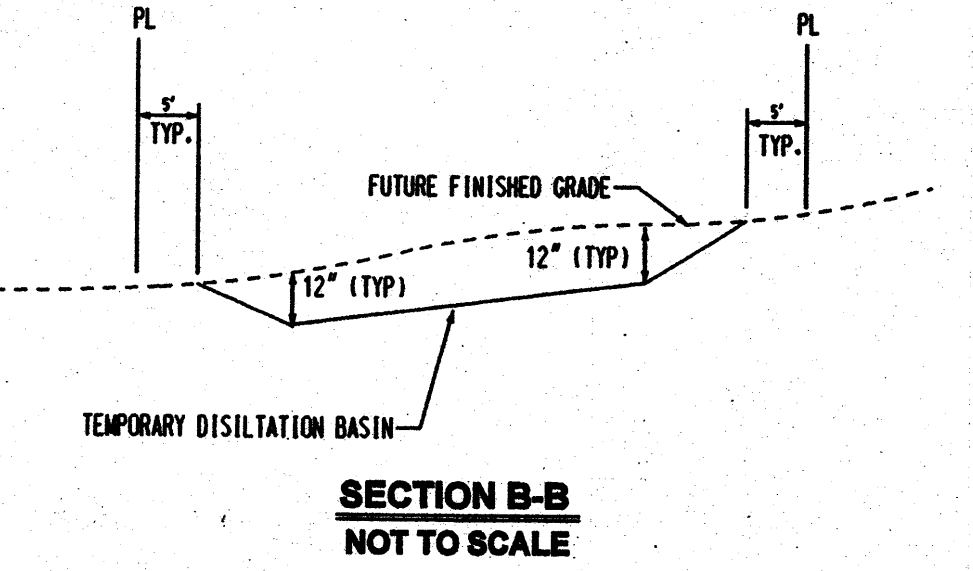
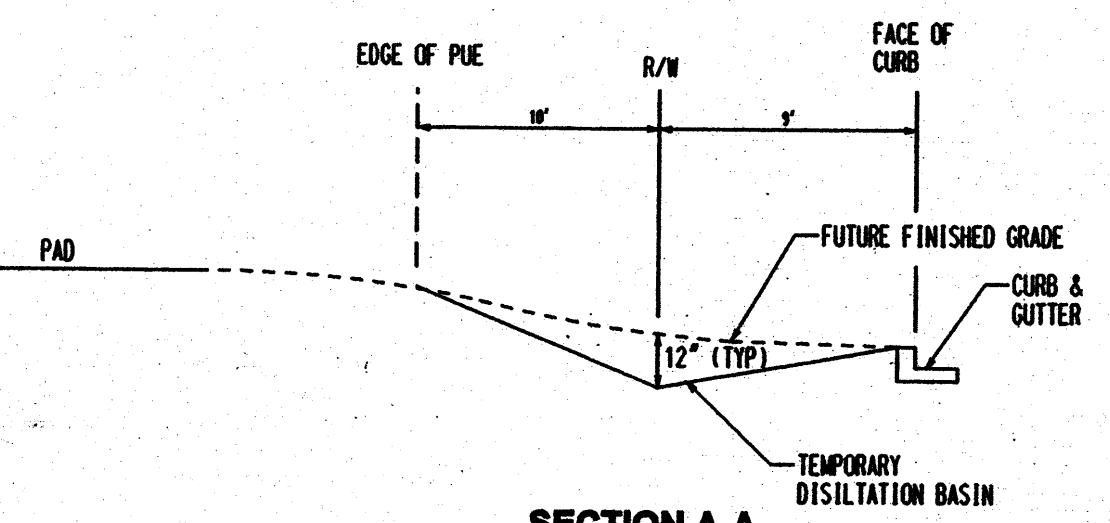
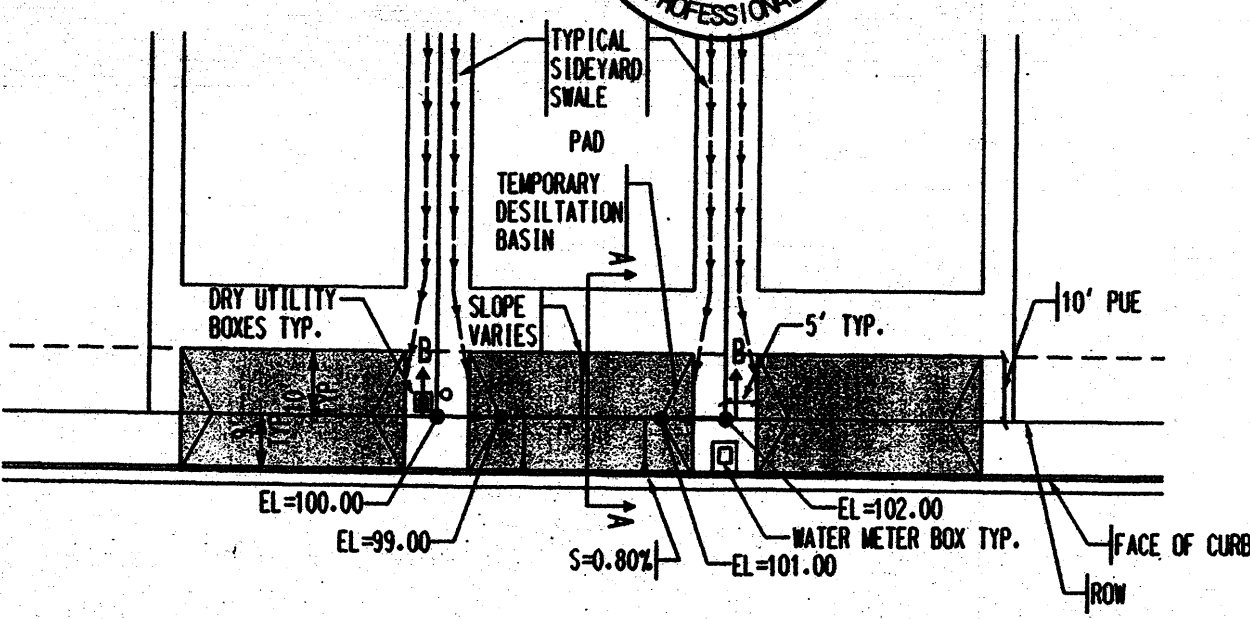
UNIT 2A GRADING CERTIFICATION

I, CHRISTIAN J. SKOLTS, NMP# 18244, OF THE FIRM BOHANNAN HUSTON, INC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAW IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED NOVEMBER 25, 2003. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ROCK PENCIL, NMP# 10202, OF THE BLUE SKY CONSTRUCTION SERVICES. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON MARCH 14, 2006, 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 SIX (6) MONTH FINANCIAL GUARANTEE RELEASE.

EXCEPTIONS TO THE APPROVED PLAN ARE NOTED BELOW:
1) THIS GRADING AND DRAINAGE CERTIFICATION IS FOR UNIT 2A ONLY. THIS CERTIFICATION REPRESENTS A GRADING CERTIFICATION OF THE PAID ELEVATIONS ONLY FOR UNIT 2B. A SEPARATE FINAL GRADING AND DRAINAGE CERTIFICATION WILL BE REQUIRED FOR UNIT 2B WHEN THE INFRASTRUCTURE FOR THIS UNIT HAS BEEN CONSTRUCTED.

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 THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

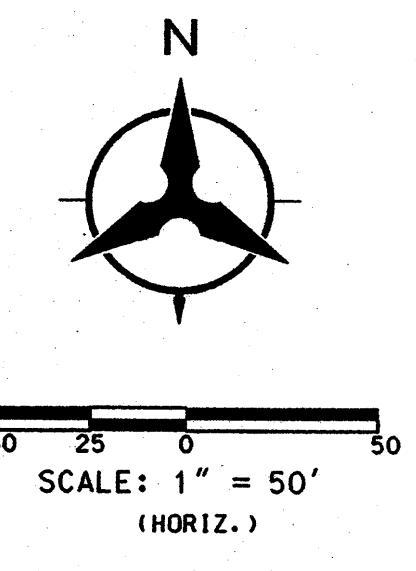
DATE: 4-5-06
CHRISTIAN J. SKOLTS, NMP# 18244



- GENERAL NOTES:**
- EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
 - CONTRACTOR SHALL OBTAIN AND ABIDE BY A UPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DIVISION. PRIOR TO CONSTRUCTION, THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
 - ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SOILS REPORT PREPARED BY WYWARD & ASSOC. ALL OTHER WORK, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS (FIRST PRIORITY), AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
 - TWO (2) WORKING DAYS PRIOR TO EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (765-1264) FOR LOCATION OF EXISTING UTILITIES.
 - PRIOR TO GRADING, ALL VEGETATION DEBRIS, AND NEAR SURFACE ORGANICALLY CONTAMINATED SOIL SHALL BE STRIPPED FROM ALL AREAS TO BE GRADED. VEGETATION AND DEBRIS SHALL BE DISPOSED OF OFF-SITE OR STOCK-PILED FOR USE IN PLANTERS AND NON-STRUCTURAL FILLS.
 - EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
 - IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
 - THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BARRIERS AT THE PROPERTY LINES WEETING THE SOIL TO PROTECT IT FROM WIND EROSION.
 - A DISPOSAL SITE FOR ALL EXCESS EXCAVATION AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
 - PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATIONS.
 - ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT FLOWLINE ELEVATION.

APPROVED FOR ROUGH GRADING

HYDROLOGY _____ DATE _____



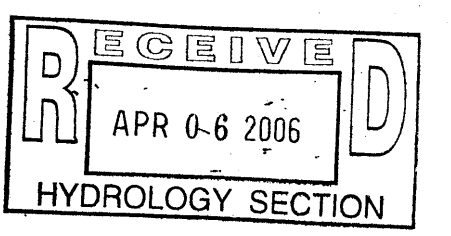
LEGEND

GROUND FLATTENING	▨
PROPOSED SPOT ELEVATION	● 5235.25
EXISTING SPOT ELEVATION	○ 5235.25
EXISTING CONTOUR	---
DIRECTION OF FLOW	→
HIGH POINT	~~~~~
GARDEN/PERIMETER BLOCK WALL REQUIRED FOR GRADE DIFFERENTIAL LESS THAN 12"	=====
RETAINING WALL	=====

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Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
ARBOLERA DE VIDA - UNIT 2 GRADING PLAN	
DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL	MO./DAY/YR. MO./DAY/YR.
LAST DESIGN UPDATE	MO./DAY/YR.
	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.
H-13-2/1-13-2	1 OF 4

ENGINEER'S SEAL SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE	CONTRACTOR	NO.	DATE
1	BY	DATE	CONTRACTOR	1	DATE
2	BY	DATE	CONTRACTOR	2	DATE
3	BY	DATE	CONTRACTOR	3	DATE
4	BY	DATE	CONTRACTOR	4	DATE
5	BY	DATE	CONTRACTOR	5	DATE
6	BY	DATE	CONTRACTOR	6	DATE
7	BY	DATE	CONTRACTOR	7	DATE
8	BY	DATE	CONTRACTOR	8	DATE
9	BY	DATE	CONTRACTOR	9	DATE
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13	BY	DATE	CONTRACTOR	13	DATE
14	BY	DATE	CONTRACTOR	14	DATE
15	BY	DATE	CONTRACTOR	15	DATE
16	BY	DATE	CONTRACTOR	16	DATE
17	BY	DATE	CONTRACTOR	17	DATE
18	BY	DATE	CONTRACTOR	18	DATE
19	BY	DATE	CONTRACTOR	19	DATE
20	BY	DATE	CONTRACTOR	20	DATE



OLD ALBUQUERQUE ACEQUIA

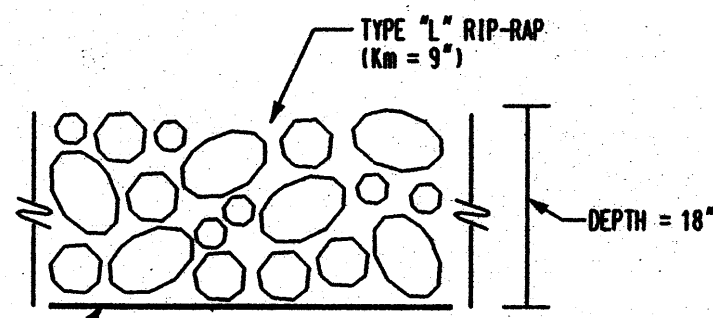
UNIT 2A GRADING & DRAINAGE CERTIFICATION

CHRISTIAN J. SHULTZ, INC. 10244 OF THE FIRM BOHANNAN HUSTON, INC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADDED AND WILL BE IN A SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED NOVEMBER 25, 2003. THE RECORD INFORMATION CONTAINED ON THIS PLAN HAS BEEN OBTAINED BY ME OR BY MEASUREMENT OF THE BLUE-PRINT CONSTRUCTION SERVICES. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE IN NOVEMBER 2003 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 SA/ FINANCIAL.

EXCEPTIONS TO THE APPROVED PLAN ARE NOTED BELOW:
 1) THIS GRADING AND DRAINAGE CERTIFICATION IS FOR UNIT 2A ONLY. THIS CERTIFICATION DOES NOT COVER GRADING OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. A SEPARATE FINAL GRADING AND DRAINAGE CERTIFICATION WILL BE ISSUED FOR UNIT 2B WHEN THE INFRASTRUCTURE FOR THIS UNIT HAS BEEN CONSTRUCTED.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO BE USED IN CONNECTION WITH THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THESE RECORDS ARE NOT TO BE USED FOR ANY OTHER PURPOSE.

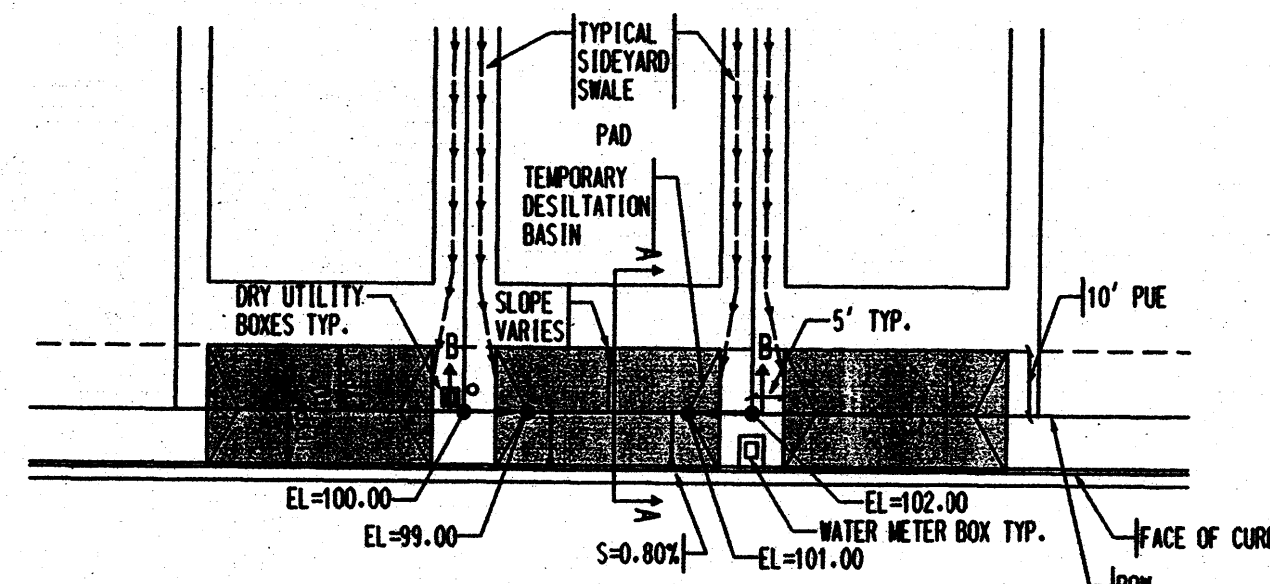
CHRISTIAN J. SHULTZ, INC. 10244 DATE: 1-5-06



RIP-RAP SECTION
NOT TO SCALE

LEGEND

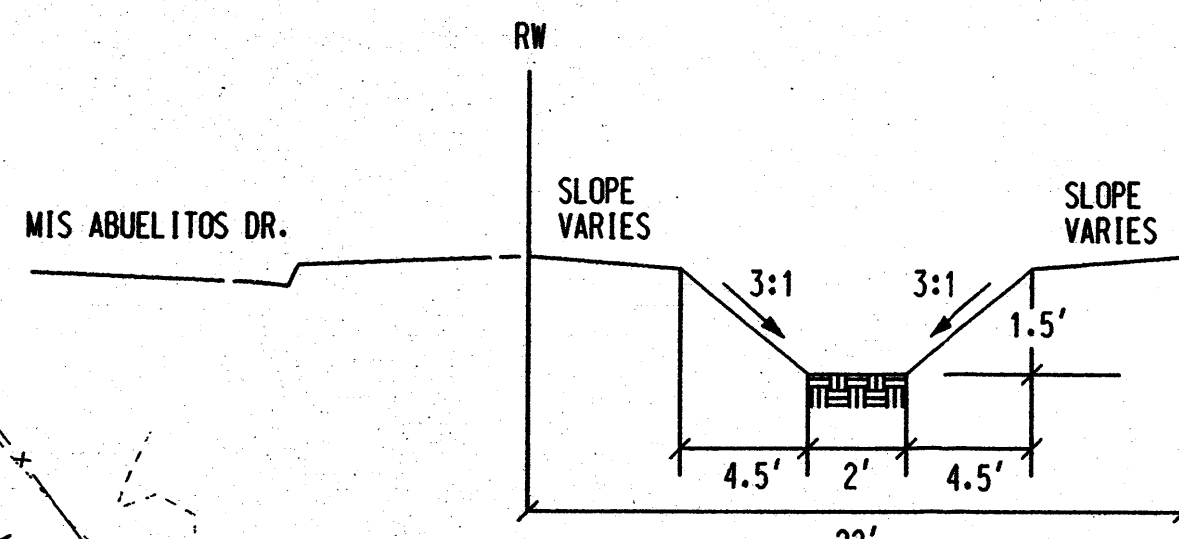
- CROWN FLATTENING:
- PROPOSED SPOT ELEVATION:
- EXISTING SPOT ELEVATION:
- DIRECTION OF FLOW:
- HIGH POINT:
- GARDEN/PERIMETER BLOCK WALL REQUIRED FOR GRADE DIFFERENTIAL LESS THAN 18":
- RETAINING WALL:



TEMPORARY DESILTATION BASIN

NOT TO SCALE

** BOTTOM OF BASIN IS 1' BELOW PROPERTY LINE ELEVATION SEE GRADING PLANS FOR EXACT ELEVATIONS



ACEQUIA - SECTION A-A

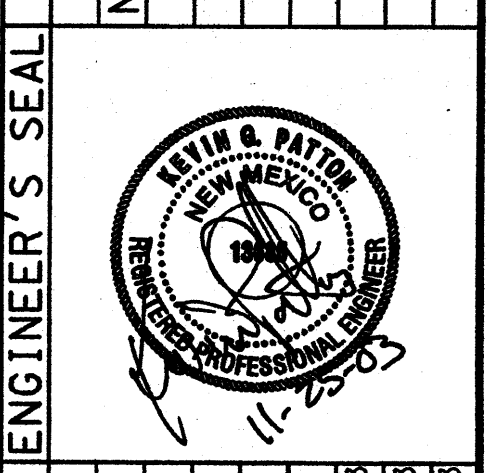
NOT TO SCALE

GENERAL NOTES:

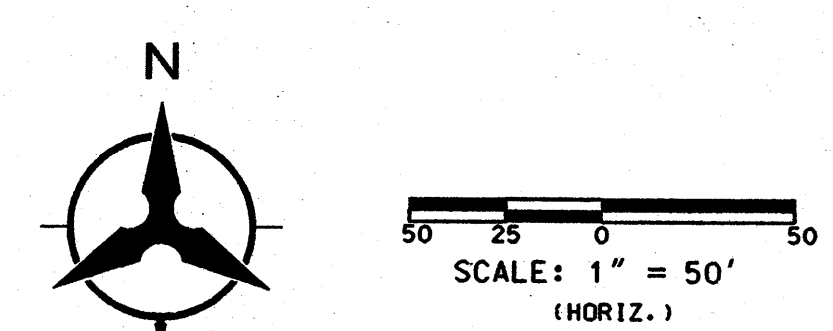
1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS SHOWN IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
2. CONTRACTOR SHALL OBTAIN AND ABIDE BY A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DIVISION, PRIOR TO CONSTRUCTION. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SOILS REPORT PREPARED BY VINHARD & ASSOC. ALL OTHER WORK, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS (FIRST PRIORITY), AND/OR THE CITY OF ALBUQUERQUE (CDA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
4. TWO WORKING DAYS PRIOR TO EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (765-1264) FOR LOCATION OF EXISTING UTILITIES.
5. PRIOR TO GRADING, ALL VEGETATION DEBRIS, AND NEAR SURFACE ORGANICALLY CONTAMINATED SOIL SHALL BE STRIPPED FROM ALL AREAS TO BE GRADED. VEGETATION AND DEBRIS SHALL BE DISPOSED OF OFF-SITE OR STOCK-PILED FOR USE IN PLANTERS AND NON-STRUCTURAL FILLS.
6. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
7. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
8. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BARRIERS AT THE PROPERTY LINES WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
9. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND Haul THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
10. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATIONS.
11. ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED. VALLEY CUTTER ELEVATIONS ARE SHOWN AT FLOWLINE ELEVATION.

AS-BUILT INFORMATION			
CONTRACTOR		WORK	
INSTALLED BY	DATE	INSPECTOR'S	DATE
ACCEPTANCE BY	DATE	VERIFICATION BY	DATE
DRAWINGS	DATE	CORRECTED BY	DATE
MICRO-FILM INFORMATION			
RECORDED BY	DATE		
NO.			

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



REMARKS		REVISIONS		DESIGN		DATE		DATE		DATE	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
1	4-20-06	2	4-20-06	3	4-20-06	4	4-20-06	5	4-20-06	6	4-20-06
BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE
BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE
BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE



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 ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ARBOLERA DE VIDA - UNIT 2
GRADING PLAN

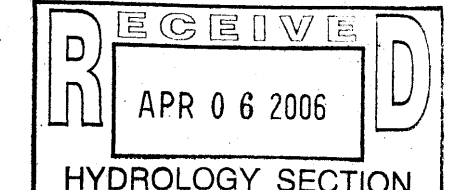
DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

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

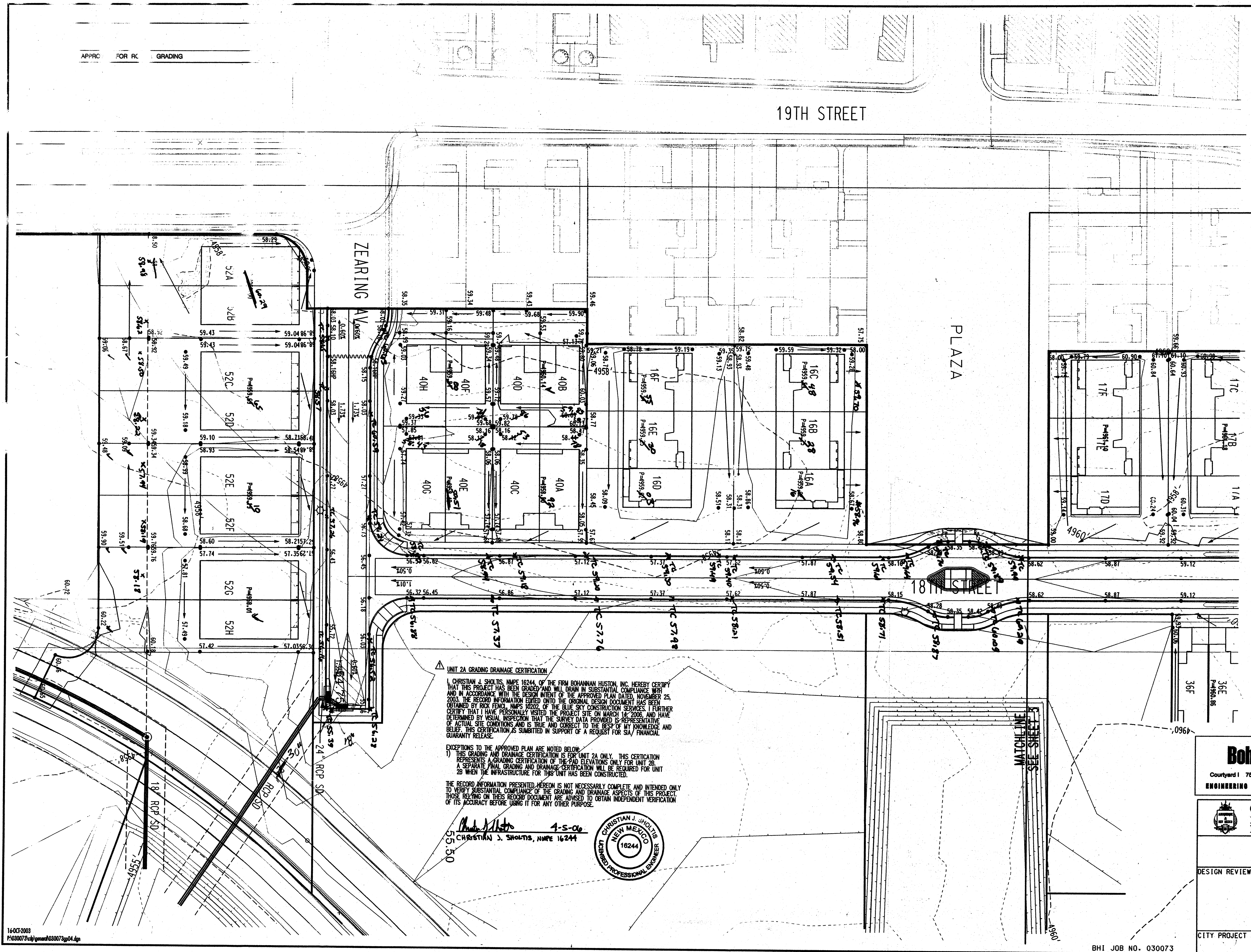
LAST DESIGN UPDATE

CITY PROJECT NO. H-13-271-13-2 SHEET 2 OF 4

BHI JOB NO. 030073



HYDROLOGY SECTION



UNIT 2A GRADING DRAINAGE CERTIFICATION

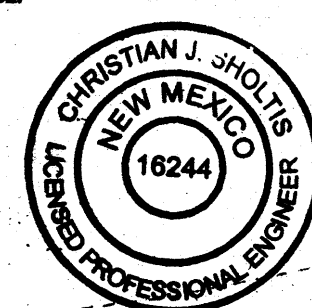
I, CHRISTIAN J. SHOLTS, N.M.P.E. 16244, OF THE FIRM BOHANNAN HUSTON, INC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED NOVEMBER 25, 2003. THE RECORD INFORMATION EXISTING ON THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ROCK FENCE, N.M.P.S. 82022 OF THE BLUE SKY CONSTRUCTION SERVICES. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON MARCH 14, 2006, 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 SIX (6) MONTH FINANCIAL GUARANTEE RELEASE.

EXCEPTIONS TO THE APPROVED PLAN ARE NOTED BELOW:

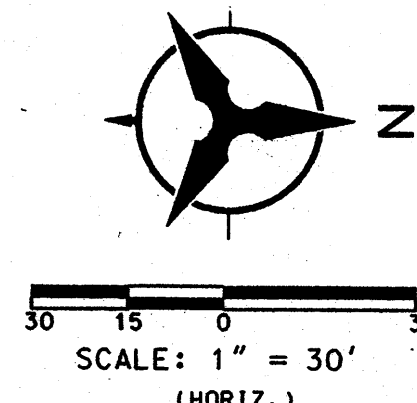
1) THIS GRADING AND DRAINAGE CERTIFICATION IS FOR UNIT 2A ONLY. THIS CERTIFICATION REPRESENTS A GRADING CERTIFICATION OF THE PAD ELEVATIONS ONLY FOR UNIT 2B. A SEPARATE FINAL GRADING AND DRAINAGE CERTIFICATION WILL BE REQUIRED FOR UNIT 2B WHEN THE INFRASTRUCTURE FOR THIS UNIT HAS BEEN CONSTRUCTED.

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 THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

Christian J. Sholts 1-5-06
CHRISTIAN J. SHOLTS, N.M.P.E. 16244



- LEGEND
- CROWN FLATTENING
 - PROPOSED SPOT ELEVATION
 - EXISTING SPOT ELEVATION
 - EXISTING CONTOUR
 - DIRECTION OF FLOW
 - HIGH POINT
 - GARDEN/PERIMETER BLOCK WALL REQUIRED FOR GRADE DIFFERENTIAL LESS THAN 18"
 - RETAINING WALL

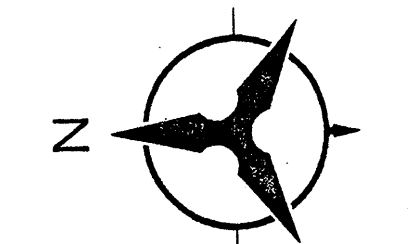


Bohannon & Huston
Courtyard I 7600 Jefferson St. NE Albuquerque, NM 87109-4336
ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
ARBOLERA DE VIDA - UNIT 2 GRADING PLAN	
DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL	MO./DAY/YR. MO./DAY/YR.
LAST DESIGN UPDATE	
CITY PROJECT NO.	ZONE MAP NO.
H-13-271-13-2	
SHEET 4	OF 4

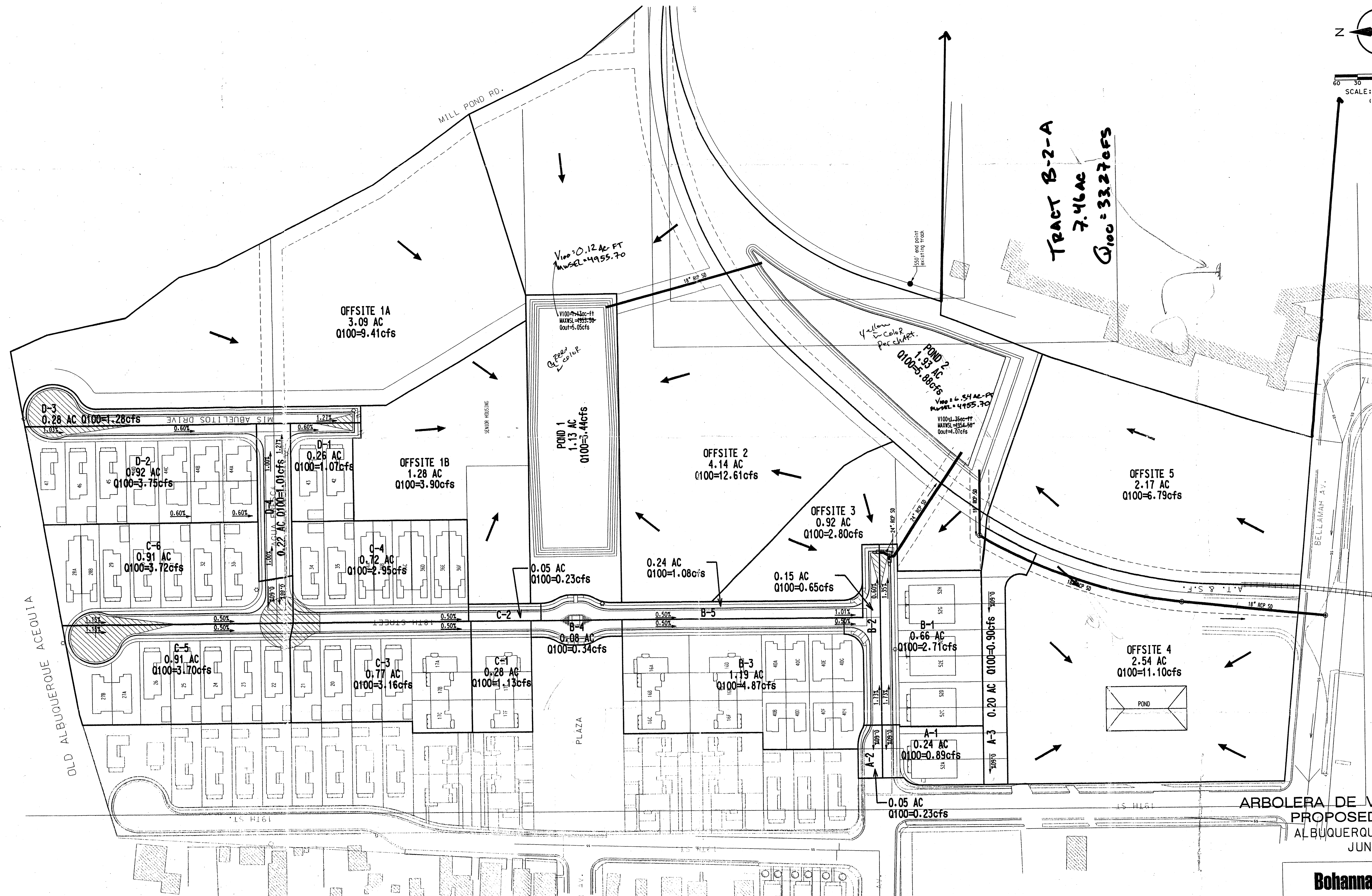
						ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION			
								NO.		DATE		ACS ALUMINUM TABLET STAMPED		CONTRACTOR	
								BY				STATED BY			
												ACCEPTANCE BY			
												FIELD LOCATION BY			
												DATE			
												DATE			
												CORRECTED BY			
												DATE			
												MICRO-FILM INFORMATION			
												RECORDED BY			
												DATE			
												NO.			

RECEIVED
APR 06 2006
HYDROLOGY SECTION



SCALE: 1" = 60'
(HORIZ.)

TRACT B-2-A
7.46 AC
Q₁₀₀ = 33.27 cfs



ARBOLERA DE VIDA - UNIT 2
PROPOSED BASIN MAP
ALBUQUERQUE, NEW MEXICO
JUNE, 2003

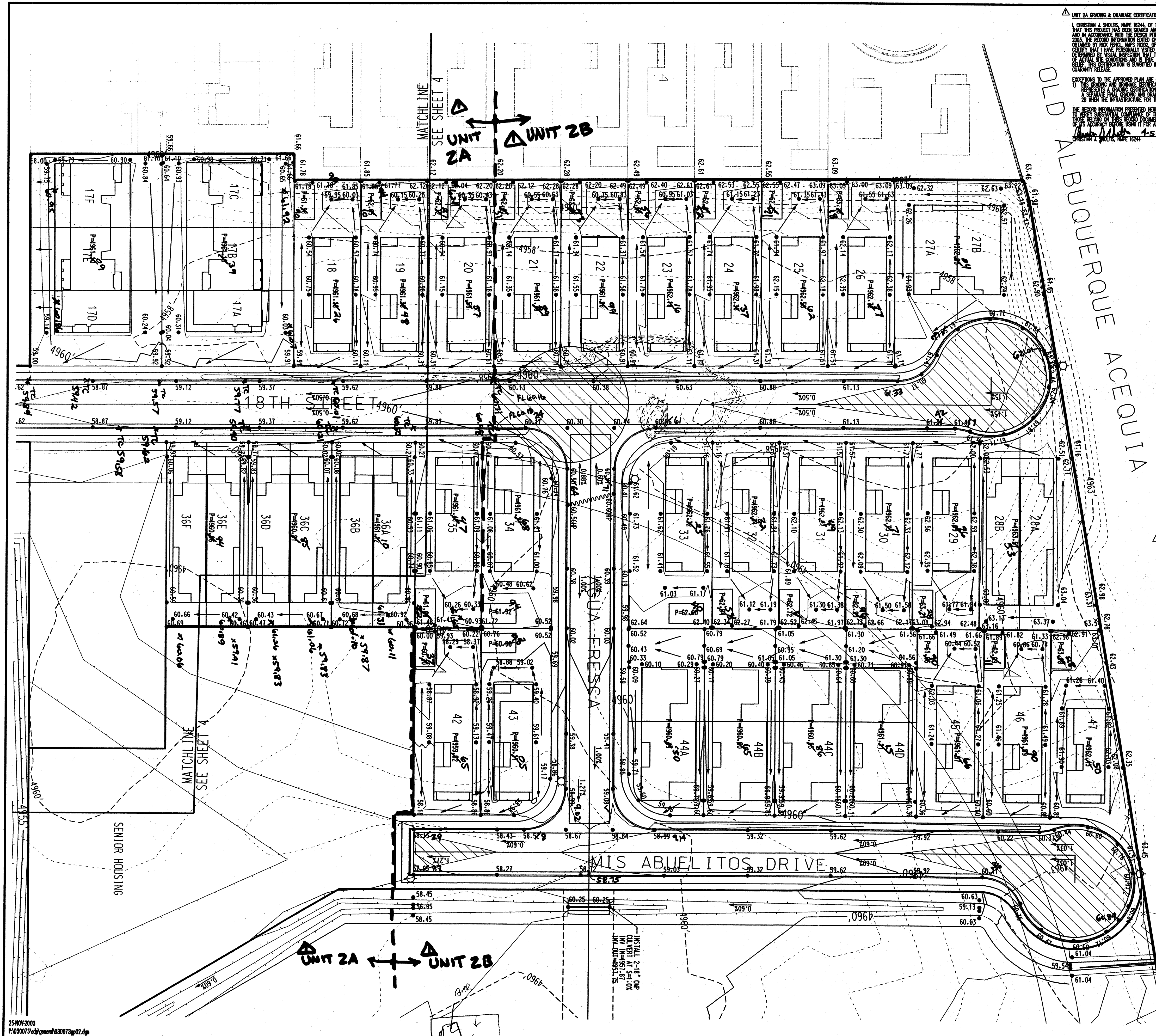
Bohannon & Huston

Courtyard | 7600 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

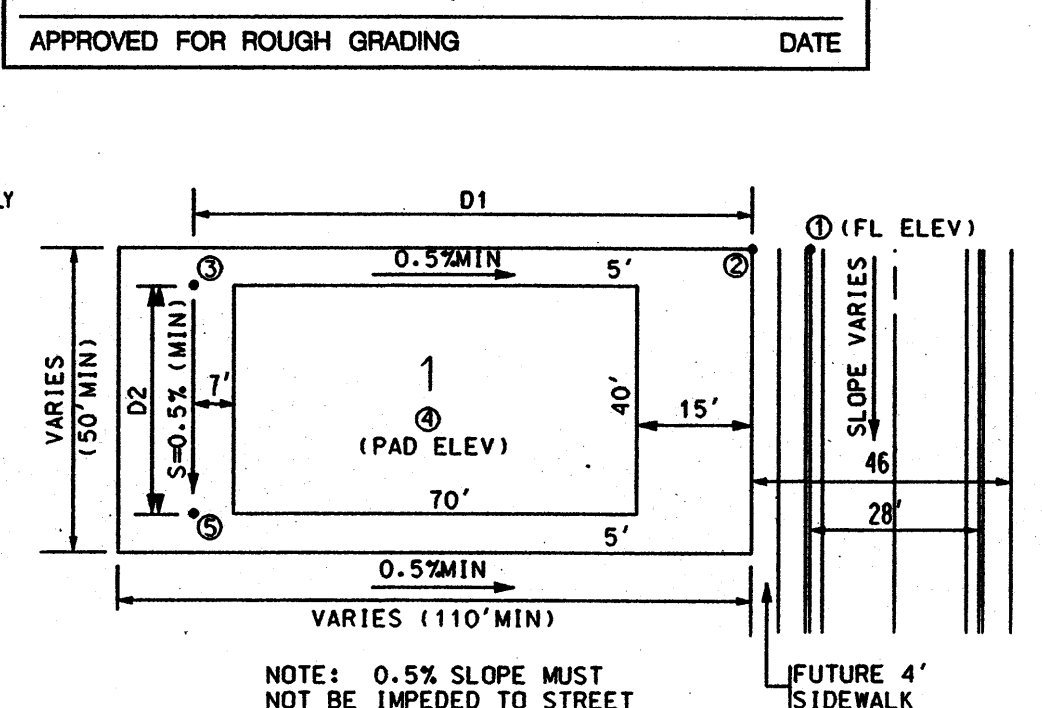
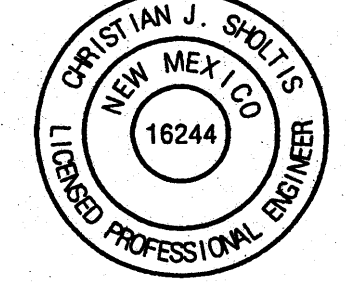
BHI JOB NO. 03 0673 001

COPYRIGHT BOHANNAN HUSTON, INC. 2001

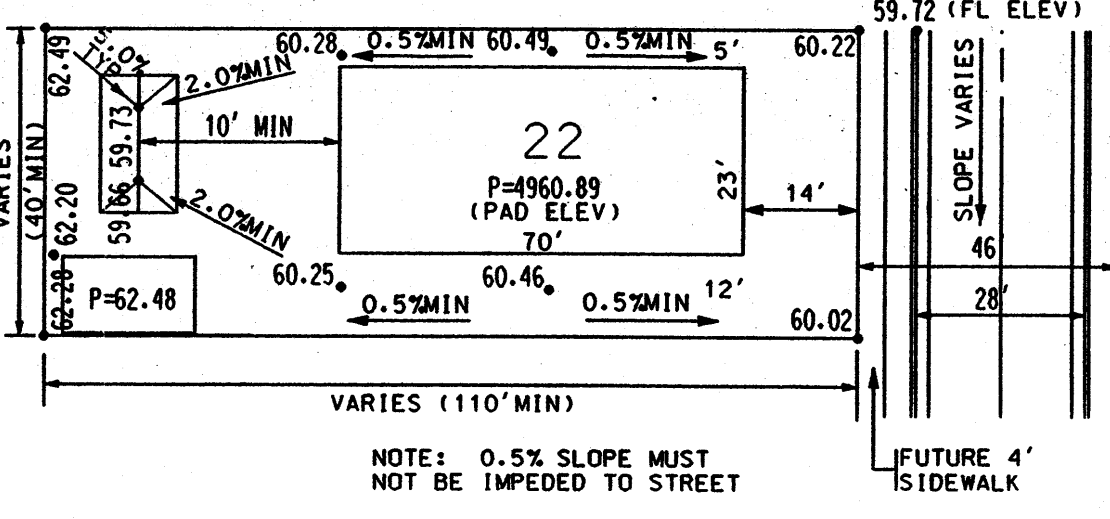
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P:\030131\CDP-GENERAL\030131\CDP-GENERAL.dgn
03/06/2003
11:00



UNIT 2A GRADING & DRAINAGE CERTIFICATION
I, CHRISTIAN J. SPOLIS, MPE 16244, OF THE FIRM BOHANNAN HUSTON, INC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADDED AND DRAINAGE DESIGN IN SUBSTANTIAL COMPLIANCE WITH THE RECORD INFORMATION ENTERED ON THE APPROVED PLAN DATED NOVEMBER 25, 2003, AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED NOVEMBER 25, 2003. THE RECORD INFORMATION ENTERED ON THE APPROVED PLAN DATED NOVEMBER 25, 2003, WAS OBTAINED BY MEASUREMENTS MADE BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND HAVE BEEN EXAMINED 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 SURVEY FINANCIAL GUARANTEE RELEASE.
EXCEPTIONS TO THE APPROVED PLAN ARE NOTED BELOW:
1. THIS GRADING AND DRAINAGE CERTIFICATION IS FOR UNIT 2A ONLY. THIS CERTIFICATION REPRESENTS A GRADING CERTIFICATION OF THE PAD ELEVATIONS ONLY FOR UNIT 2A. A SEPARATE PAD GRADING AND DRAINAGE CERTIFICATION WILL BE REQUIRED FOR UNIT 2B WHEN THE INFRASTRUCTURE FOR THIS UNIT HAS BEEN CONSTRUCTED.
THE RECORD INFORMATION PRESENTED HEREIN IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THESE RECORDS OF THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.
Christian J. Spolis, MPE 16244
DATE 1-22-08

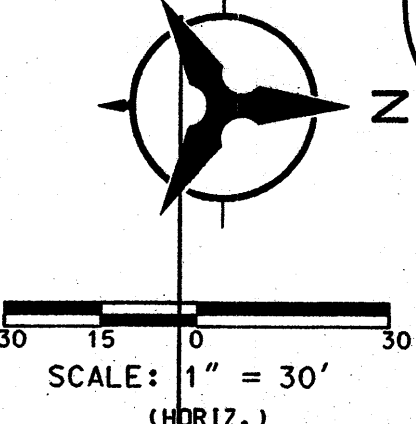


TYPICAL LOT GRADING PLAN - A
NOT TO SCALE
TO SET SPOT 1 - ADD 0.85' TO SPOT 1
TO SET SPOT 2 - MULTIPLY D1 BY 0.5% AND ADD TO SPOT 2
TO SET SPOT 3 - ADD 0.2' TO SPOT 3
TO SET SPOT 4 - MULTIPLY D2 BY 0.5% AND SUBTRACT FROM SPOT 4
NOTE: 0.5% SLOPE MUST NOT BE IMPEDED TO STREET
FUTURE 4' SIDEWALK



TYPICAL LOT GRADING PLAN - B
NOT TO SCALE
NOTE: 0.5% SLOPE MUST NOT BE IMPEDED TO STREET
FUTURE 4' SIDEWALK

UNIT 2B GRADING & DRAINAGE CERTIFICATION
I, CHRISTIAN J. SPOLIS, MPE 16244, OF THE FIRM BOHANNAN HUSTON, INC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADDED AND DRAINAGE DESIGN IN SUBSTANTIAL COMPLIANCE WITH THE RECORD INFORMATION ENTERED ON THE APPROVED PLAN DATED NOVEMBER 25, 2003, AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED NOVEMBER 25, 2003. THE RECORD INFORMATION ENTERED ON THE APPROVED PLAN DATED NOVEMBER 25, 2003, WAS OBTAINED BY MEASUREMENTS MADE BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND HAVE BEEN EXAMINED 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 SURVEY FINANCIAL GUARANTEE RELEASE.
EXCEPTIONS TO THE APPROVED PLAN ARE NOTED BELOW:
1. THIS GRADING AND DRAINAGE CERTIFICATION IS FOR UNIT 2B ONLY. THIS CERTIFICATION REPRESENTS A GRADING CERTIFICATION OF THE PAD ELEVATIONS ONLY FOR UNIT 2B. A SEPARATE PAD GRADING AND DRAINAGE CERTIFICATION WILL BE REQUIRED FOR UNIT 2A WHEN THE INFRASTRUCTURE FOR THIS UNIT HAS BEEN CONSTRUCTED.
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Christian J. Spolis, MPE 16244
DATE 1-22-08



- LEGEND
- CROWN FLATTENING
 - PROPOSED SPOT ELEVATION
 - EXISTING SPOT ELEVATION
 - EXISTING CONTOUR
 - DIRECTION OF FLOW
 - HIGH POINT
 - CROWN/PERIMETER BLOCK WALL REQUIRED FOR GRADE DIFFERENTIAL LESS THAN 18"
 - RETAINING WALL

Bohannon & Huston
Courtney 1 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ARBOLERA DE VIDA - UNIT 2
GRADING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
BH1 JOB NO. 030073	H-13-21-13-2	3	4

RECEIVED
JAN 28 2008
HISTORY SECTION

RECEIVED
JAN 28 2008
HISTORY SECTION

GRADING AND DRAINAGE NARRATIVE

I. INTRODUCTION

THE PURPOSE OF THIS SUBMITTAL IS TO PRESENT A GRADING AND DRAINAGE PLAN FOR THE PROPOSED SAWMILL COMMUNITY LAND TRUST COMMUNITY GARDEN IN ALBUQUERQUE. THIS SUBMITTAL IS IN SUPPORT OF A REQUEST FOR A GRADING PERMIT AND A PAVING PERMIT. THE SITE IS LOCATED IN NEAR THE OLD TOWN AREA OF ALBUQUERQUE, SOUTH OF INTERSTATE 40 AND EAST OF RIO GRANDE BLVD. MORE SPECIFICALLY, THE GARDEN IS LOCATED ON THE EAST SIDE OF MIS ABUELITOS DRIVE, NORTH OF MILL POND RD. THIS PROJECT WILL INCLUDE A GARDEN ON APPROXIMATELY 0.25 ACRES.

II. SITE LOCATION

THIS SITE IS LOCATED WITHIN ZONE ATLAS MAP H-13. THE PROJECT IS BOUNDED ALONG THE EAST BY MILL POND RD R/W, THE WEST BY MIS ABUELITOS DRIVE, NORTH BY AN EXISTING IRRIGATION FIELD AND SOUTH BY TRACT 2-E-1.

III. EXISTING HYDROLOGIC CONDITIONS

THE SITE ENCOMPASSES APPROXIMATELY 0.25 ACRES AND IS UNDEVELOPED. THE SITE IS EXTREMELY FLAT WITH SLOPES NOT EXCEEDING 1% WITH LIMITED VEGETATION COVER. CURRENTLY, THE SITE DRAINS WEST VIA SURFACE FLOW WHERE IT ENTERS MIS ABUELITOS DRIVE AND IS CONVEYED SOUTH AND IS ULTIMATELY DISCHARGES INTO AN EXISTING POND. THE EXISTING CONDITIONS ARE PRESENTED IN THE "DRAINAGE REPORT FOR ARBOLEA DE MIDA-UNIT 2 (AKA SAWMILL)" DATED OCTOBER 16, 2003 AS WELL AS A REVISION LETTER DATED AUGUST 9, 2006. THESE REFERENCE MATERIALS WERE SUBMITTED TO THE COA DRAINAGE FILE UNDER #H-15/025.

IV. PROPOSED HYDROLOGIC CONDITIONS

AS PRESENTED IN THE REVISION LETTER DATED AUGUST 9, 2006, THE PREVIOUS DRAINAGE ANALYSIS INDICATED A DEVELOPED BASIN THAT ENCOMPASSED THE PROPOSED PROJECT WITH LAND TREATMENT TYPES OF 0% A, 8.5% B, 31.5% C, AND 60% D. HOWEVER WITH THIS PARCEL BEING DEVELOPED AS A COMMUNITY GARDEN, THE LAND TREATMENT PERCENTAGE TYPES HAVE BEEN REVISED TO REFLECT A COMMUNITY GARDEN WITH LAND TREATMENT TYPES OF 0% A, 0% B, 63% C AND 37% D, THUS REDUCING THE TOTAL RUNOFF FROM 1 CFS TO 0.93 CFS. THEREFORE, THERE IS NO ADVERSE IMPACT TO THE DOWNSTREAM FACILITIES.

V. CONCLUSION

THE GRADING AND DRAINAGE PLAN FOR THE SAWMILL COMMUNITY LAND TRUST GARDEN WAS COMPLETED IN ACCORDANCE WITH SECTION 22.2 OF THE DEVELOPMENT PROCESS MANUAL. THIS PLAN IS CAPABLE OF SAFELY PASSING THE 100 YEAR STORM AND MEETS CITY REQUIREMENTS.

DRAINAGE BASIN CALCULATIONS

BASIN I.D.	AREA (AC)	% LAND TREATMENT				DISCHARGE (CFS)	
		A	B	C	D	10 YR*	100YR*
HYDROLOGICAL VOLUMETRIC & DISCHARGE DATA							
EXISTING*	0.25	0.0%	8.5%	31.5%	60.0%	0.63	1.00
DEVELOPED	0.25	0.0%	0.0%	63.0%	37.0%	0.56	0.93

* Percentages from Revision Letter dated August 9, 2006.

**NOTE: Peak Discharge calculated from Chapter 22 Section 2 of the COA DPM.

GENERAL NOTES

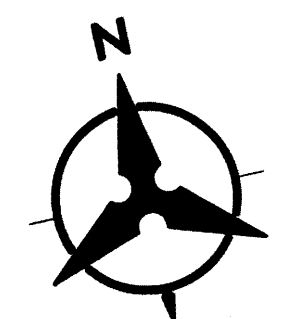
- ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT. WHERE APPLICABLE, CITY OF ALBUQUERQUE PUBLIC WORKS STANDARDS SHALL APPLY.
- THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
- 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.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION & ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL 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.
- CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- 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.
- THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).
- ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
- ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADES AT THE END AND BEGINNING OF EACH DAY.
- THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR SWPPP COMPLIANCE AND IMPLEMENTATION.
- THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.

GRADING NOTES

- EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
- ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION," AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS.
- EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE. SLOPES SHOULD HAVE A MINIMUM SLOPE OF 0.5%.
- IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
- THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS OR SILT FENCE AT THE PROPERTY LIMITS AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.
- A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAIL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.
- ALL ELEVATIONS ARE TAKEN AT THE TOP OF ASPHALT UNLESS OTHERWISE NOTED.
- PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATION.

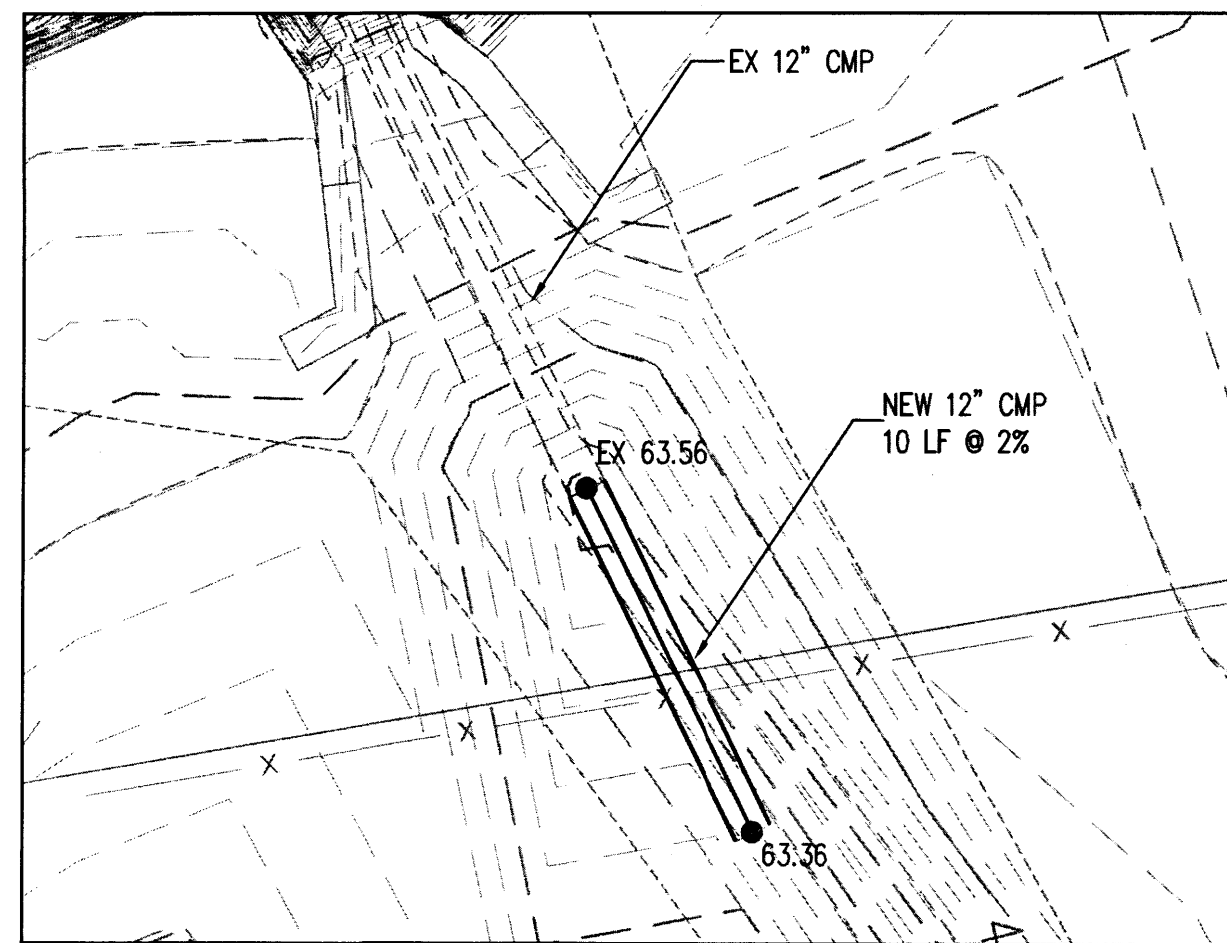
LEGEND

---	PROPERTY LINE
---	EXISTING CONTOURS
X EX5301.15	EXISTING GROUND SPOT ELEVATION
● 96.25	ALL SPOT ELEVATIONS ARE TO
S=2.0%	PROPOSED DIRECTION OF FLOW
~~~~~	WATER BLOCK
---	PROPOSED CURB
---	EASEMENT
■	PROPOSED STORM DRAIN INLET
---	PROPOSED RETAINING WALL



10 5 0 10  
1" = 10'

NOTE: ALL CONTOURS (PROPOSED AND EXISTING) ARE AT 0.25' INTERVALS.



**CMP EXTENSION**  
1" = 5'

- CONCRETE PAVING, SEE SITE PLAN FOR MORE DETAIL
- GRAVEL, SEE SITE PLAN FOR MORE DETAIL
- CONCRETE WALKWAY, SEE SITE PLAN FOR MORE DETAIL

## EXISTING IRRIGATION FIELD

