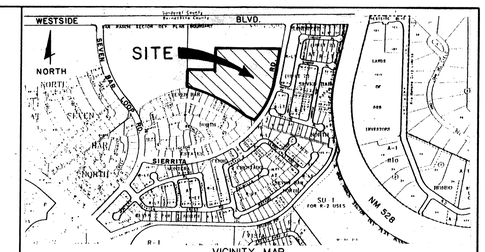
CONSTRUCTION PLANS
FOR
WHISTLER AT SEVEN BAR NORTH
UNIT I
ALBUQUERQUE, NEW MEXICO



VICINITY MAP
NOT TO SCALE
ZONE MAP NO. A-13

NOTICE TO CONTRACTORS

1. 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
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
3. 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.
4. FIVE (5) 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.
5. 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.
6. 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.
7. ANY WORK WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
8. ALL UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEW MEXICO UTILITIES, INC. SPECIFICATIONS FOR WATER AND WASTEWATER FACILITIES (MOST RECENT REVISIONS).
9. THE CONTRACTOR SHALL NOTIFY NEW MEXICO UTILITIES. (898-2661) THREE WORKING DAYS PRIOR TO BEGINNING THE CONSTRUCTION OF THE UTILITIES.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- [X] ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- [X] BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- [ ] TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- [X] 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.
- [X] ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- [X] 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.

INDEX

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 8/26/99

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the 'as-built' information shown on these drawings was obtained from field construction and 'as-built' surveys performed by me or under my supervision, that the 'as-built' information shown on these drawings was added by me or under my supervision, and that this 'as-built' information is true and correct to the best of my knowledge and belief." Aldrich Land Surveying is not responsible for any of the design concepts, calculations, engineering, or intent of the record drawings.

06-07-99
Timothy Aldrich, P.S. No. 7719 — Date

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE

JOHN C. ALEXANDER — NEW MEXICO — 13478 — REGISTERED PROFESSIONAL ENGINEER
John C. Alexander 9-15-98

APPROVALS	ENGINEER	DATE
DRC Chairman	Billy G. Hadley	9-24-98
Transportation	[illegible]	9-16-98
Water/Wastewater	R.W. Kane	9-16-98
Hydrology	[illegible]	9-16-98
Construction coord.	[illegible]	9-10-98
Const. Mngmt.		
N.M.U.I.	[illegible]	9-10-98

APPROVED FOR CONSTRUCTION
City Engineer — Date 11/16/98

City Project No. 5752.82

Sheet 1 Of 19

DRB# 98-186

Bohannan ▲ Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

BH JOB NO. 98161A05
SEPTEMBER 1998

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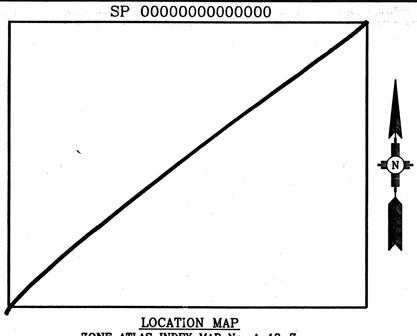


LOCATION MAP
ZONE ATLAS INDEX MAP No. A-13-Z
NOT TO SCALE

SUBDIVISION DATA

1. DRB No.
2. Zone Atlas Index No. A-13-Z.
3. Gross Subdivision Acreage: 17.8648 Acres.
4. Total Number of Lots/Tracts created: Sixty (60) Lots and Two (2) Tracts.
5. Total mileage of full width Streets created: _____ mile.
6. Total mileage of one-half (1/2) width Streets created: 0 mile.
7. Date of survey April, 1998
8. Plat is located within the Town of Alameda Grant, within Projected Section 6, T11N, R3E, NMPM.

NOTES

1. Bearings are New Mexico State Plane Grid Bearings (Central Zone NAD27) and are the same as shown on the PLAT OF CATAMOUNT AT SEVEN BAR NORTH (A REPLAT OF TRACTS B-8 & B-9 SEVEN BAR NORTH) Albuquerque, New Mexico, recorded _____ __, 1998 in Volume 98C, folio ___ as Document No. _____.
2. Distances are ground distances.
3. All easements of record are shown.
4. Centerline (in lieu of R/W monumentation) to be installed at all centerline PC's, PT's, angle points and street intersections prior to acceptance of subdivision street improvements and will consist of a standard four-inch (4") aluminum alloy cap stamped "City of Albuquerque", "Centerline Monumentation", "Survey Marker", "Do Not Disturb", "PLS# 6544".
5. These properties are within the New Mexico Utilities, Inc. (NMU, Inc.) franchise area. Water and Sanitary Sewer Systems capability are based on NMU, Inc. facilities, not The City of Albuquerque. Water and Sanitary Sewer Infrastructure improvements must be approved by both the City of Albuquerque and NMU, Inc.
6. All Lots are to be "P1" and shall conform to intermittent Parking Design Criteria, Item #1.

PUBLIC UTILITY EASEMENTS

PUBLIC UTILITY EASEMENTS shown on this plat are ten (10) feet wide and are for the common joint use of:

A. PNM Electric Services for the installation, maintenance, and service of overhead and underground electrical lines, transformers, and other equipment, fixtures, structures and related facilities reasonably necessary to provide electrical service.

B. PNM Gas Services for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.

C. U.S. West for the installation, maintenance and service of all buried and aerial communication lines and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to above ground pedestals and closures.

D. Jones Intercable for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide Cable TV service.

E. New Mexico Utilities, Inc. for the installation, maintenance and service of underground water and sanitary sewer lines across the easement (But not parallel within).

Included is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate, and maintain facilities for the purposes described above, together with free access to, from, and over said easements, including sufficient working area space for electric transformers, with the right and privilege to trim and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (above ground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of National Electric Safety Code caused by construction of pools, decking, or any structures adjacent to or near easements shown on this plat.

DESCRIPTION

A certain tract of land situate within the Town of Alameda Grant, within projected Section 6, Township 11 North, Range 3 East, New Mexico Principal Meridian, Bernalillo County, Albuquerque, New Mexico, being and comprising all of Tract B-9A of the PLAT OF CATAMOUNT AT SEVEN BAR NORTH (A REPLAT OF TRACTS B-8 & B-9 SEVEN BAR NORTH) Albuquerque, New Mexico as the same is shown and designated on the plat thereof, recorded in the office of the County Clerk of Bernalillo County, New Mexico on _____, 1998 in Volume 98C, folio ___ as Document No. _____ and being more particularly described by New Mexico State Plane Grid Bearings (Central Zone NAD 1927) and ground distances as follows:

BEGINNING at the northwest corner of said Tract B-9A, a point on the southerly right-of-way line of Westside Boulevard, whence the Albuquerque City Survey (ACS) monument "3-A12" a 3-1/4 inch aluminum cap having New Mexico State Plane Coordinates, Central Zone (NAD 1927) of X=370,667.68 and Y=1,534,779.51 bears N88°52'57"W, a distance of 4568.36 feet and from said point of beginning running thence along the northerly boundary line of said Tract B-9A and also along said right-of-way line,
S89°53'09"E, a distance of 940.16 feet to a point of curvature; thence,
52.36 feet along the arc of a curve to the right having a radius of 30.00 feet and a chord which bears S39°53'09"E, a distance of 45.96 feet to a point of tangency on the easterly boundary line of said Tract B-9A and also being a point on the westerly right-of-way line of Sierrita Road, thence running along the easterly boundary line of said Tract B-9A and also along said right-of-way line,
S10°06'51"W, a distance of 150.00 feet to a point; thence,
S04°24'11"W, a distance of 40.20 feet to a point; thence,
S10°06'51"W, a distance of 350.42 feet to a point of curvature; thence,
534.28 feet along the arc of a curve to the right having a radius of 1086.00 feet and a chord which bears S24°12'30"W, a distance of 528.91 feet to the southeast corner of said Tract B-9A, thence leaving said westerly right-of-way line and running thence along the southwesterly boundary line of said Tract B-9A,
N62°52'18"W, a distance of 95.24 feet to a point of curvature (non-tangent); thence,
652.29 feet along the arc of a curve to the left having a radius of 1800.00 feet and a chord which bears N61°24'32"W, a distance of 648.73 feet to the southwest corner of said Tract B-9A, thence running along the westerly boundary line of said Tract B-9A,
N00°06'51"E, a distance of 291.25 feet to a point; thence,
N23°36'50"W, a distance of 21.85 feet to a point; thence,
N00°06'51"E, a distance of 387.11 feet to the point and place of beginning.

Tract contains 17.8648 acres, more or less.

FREE CONSENT AND DEDICATION

The foregoing Plat of that certain tract of land situate within the Town of Alameda Grant, within projected Section 6, Township 11 North, Range 3 East, New Mexico Principal Meridian, Bernalillo County, Albuquerque, New Mexico, being and comprising all of Tract B-9A of the PLAT OF CATAMOUNT AT SEVEN BAR NORTH (A REPLAT OF TRACTS B-8 & B-9 SEVEN BAR NORTH) Albuquerque, New Mexico as the same is shown and designated on the plat thereof, recorded in the office of the County Clerk of Bernalillo County, New Mexico on _____, 1998 in Volume 98C, folio ___ as Document No. _____ now comprising Lots 1 thru 33 inclusive, Lots 49 thru 55 inclusive, Lots 81 thru 100 inclusive, Tracts A and B, PLAT OF WHISTLER AT SEVEN BAR NORTH, Albuquerque, New Mexico is with the free consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) thereof and said owner(s) and/or proprietor(s) do hereby dedicate all streets and public right-of-ways shown hereon to the City of Albuquerque in Fee Simple with Warranty Covenants and do hereby grant: All access, Utility and Drainage Easements shown hereon including the right to construct, operate, inspect, and maintain facilities therein; and all Public Utility Easements shown hereon for the common and joint use of Gas, Electrical Power and Communication Services for buried and/or overhead distribution lines, conduits, pipes for underground and/or overhead utilities where shown or indicated, and in the event Grantor, its successors and assigns, constructs any improvements other than curb and gutter (Encroachments) within any easement area granted to or for the benefit of the City, the City shall have the right to access and to enter upon any such easement area at any time and perform such inspections, installations, maintenance and repair, including removal of the Encroachments (Work) without liability to the City. The City shall not be financially responsible for rebuilding or repair of the Encroachments, nor shall the City be financially responsible if the Work affects any of the Encroachments. The City shall also have the right if reasonably necessary, to enter Grantor's property to access the easement areas for the purposes of performing the Work. Grantor does hereby consent to all of the foregoing and does hereby certify that this subdivision is made with its free act and deed.

Brown/NZD (Development) Joint Venture, A New Mexico General Partnership
By: Brown & Associates, Inc. Managing General Partner

By: _____
Ronald D. Brown, President

State of New Mexico)
SS
County of Bernalillo)

This instrument was acknowledged before me on _____ day of _____, 1998, by Ronald D. Brown, President, Brown & Associates, Inc. Managing General Partner , on behalf of Brown/NZD (Development) Joint Venture, a New Mexico General Partnership.

My Commission Expires: _____ _____
Notary Public

DISCLOSURE STATEMENT

The purpose of this Plat is to Subdivide Tract B-9A of the PLAT OF CATAMOUNT AT SEVEN BAR NORTH (A REPLAT OF TRACTS B-8 & B-9 SEVEN BAR NORTH) Albuquerque, New Mexico as the same is shown and designated on the plat thereof, recorded in the office of the County Clerk of Bernalillo County, New Mexico on _____, 1998 in Volume 98C, folio ___ as Document No. _____ into Sixty (60) Lots and Two (2) Tracts, to dedicate Public Street Right-of-Way to the City of Albuquerque and to grant Easements.

PLAT OF
WHISTLER AT SEVEN BAR NORTH
(A REPLAT OF TRACT B-9A, CATAMOUNT AT SEVEN BAR NORTH)
ALBUQUERQUE, NEW MEXICO
SEPTEMBER, 1998

APPROVALS

PLAT NUMBER_____

PLANNING DIRECTOR	DATE
CITY ENGINEER	DATE
A.M.A.F.C.A.	DATE
TRAFFIC ENGINEER	DATE
CITY SURVEYOR	DATE
PROPERTY MANAGEMENT	DATE
UTILITY DEVELOPMENT DEPARTMENT	DATE
DESIGN & DEVELOPMENT, CIP	DATE
PNM ELECTRIC SERVICES	DATE
U.S. WEST COMMUNICATIONS	DATE
PNM GAS SERVICES	DATE

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON UPC#_____

PROPERTY OWNER OF RECORD:_____

BERNALILLO COUNTY TREASURER'S OFFICE	DATE

PNM STAMP

In approving this plat, PNM Electric Services and Gas Services (PNM) did not conduct a Title Search of the properties shown hereon. Consequently, PNM does not waive nor release any easement or easement rights to which it may be entitled.

SURVEYOR'S CERTIFICATION

I, A. Dwain Weaver, a registered Professional New Mexico Surveyor, certify that I am responsible for this survey and that this plat was prepared by me or under my supervision, shows all easements of record, and conforms to the Minimum Requirements of the Board of Registration for Professional Engineers and Professional Surveyors in February 1994 and meets the minimum requirements for monumentation and surveys contained in the Albuquerque Subdivision Ordinance, and is true and accurate to the best of my knowledge and belief.

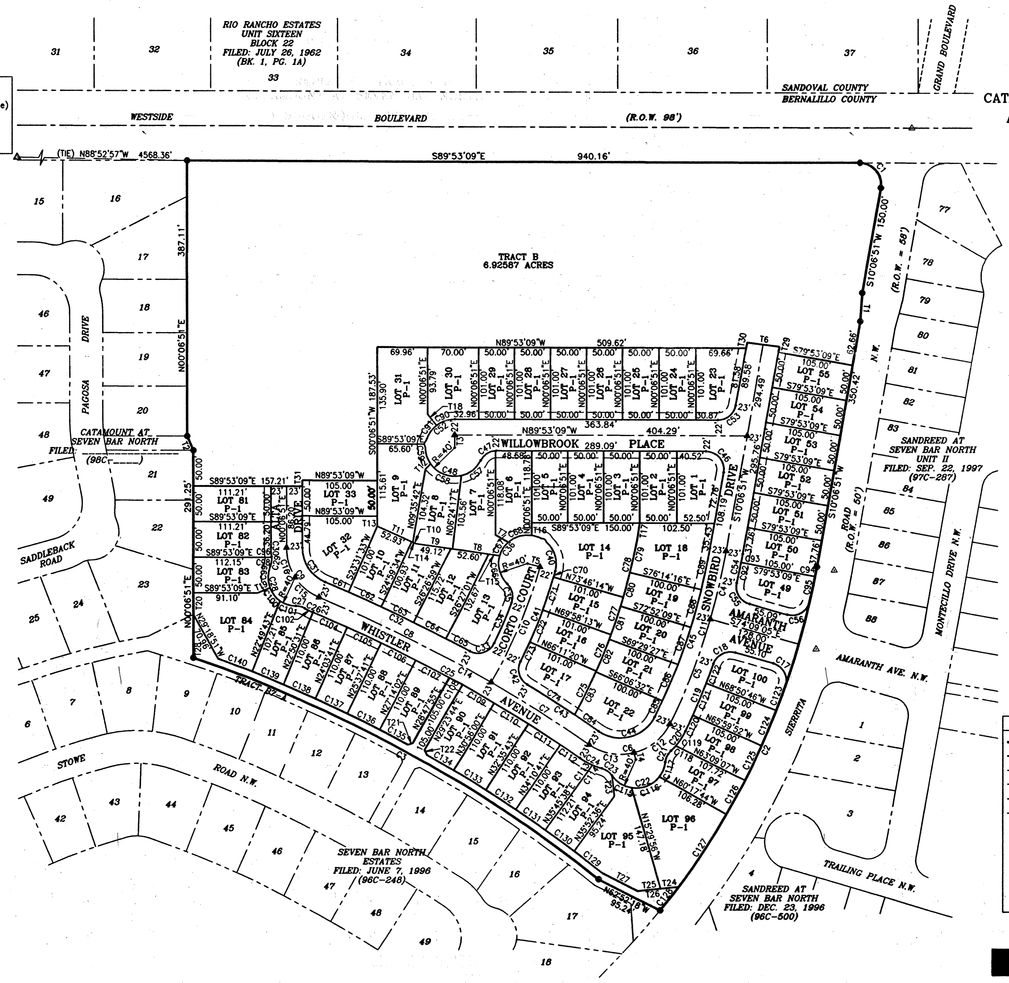
Bohannan Huston
Courtyard I
7500 Jefferson Street, N.E.
Albuquerque, New Mexico 87109 .

A. Dwain Weaver
New Mexico Professional Surveyor 6544

Date: _____

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

ACS Aluminum Tablet stamped "3-A12"
Geographic Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X= 370,667.68 Y= 1,534,779.51
Ground-to-Grid Factor = 0.9996697
ΔG= -00°14'59"
SLD 1929 Elevation = 5214.38



PLAT OF
WHISTLER AT SEVEN BAR NORTH
(A REPLAT OF TRACT B-9A, CATAMOUNT AT SEVEN BAR NORTH)
ALBUQUERQUE, NEW MEXICO
SEPTEMBER, 1998

LEGEND

- SUBDIVISION BOUNDARY LINE
- NEW LOT LINE
- ADJOINING PROPERTY LINE
- MONUMENT TIE LINE
- EXISTING EASEMENT LINE
- NEW EASEMENT LINE
- ▲ CENTERLINE MONUMENT TO BE INSTALLED
- ◉ FOUND 5/8" REBAR W/ 1-1/4" YELLOW PLASTIC SURVEY CAP STAMPED "WEAVER LS 6544"
- △ CITY OF ALBUQUERQUE SURVEY CONTROL MONUMENT
- ◎ SET 5/8" REBAR W/ 1-1/4" YELLOW PLASTIC SURVEY CAP STAMPED "WEAVER LS 6544"
- △ EXISTING CENTERLINE MONUMENT

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

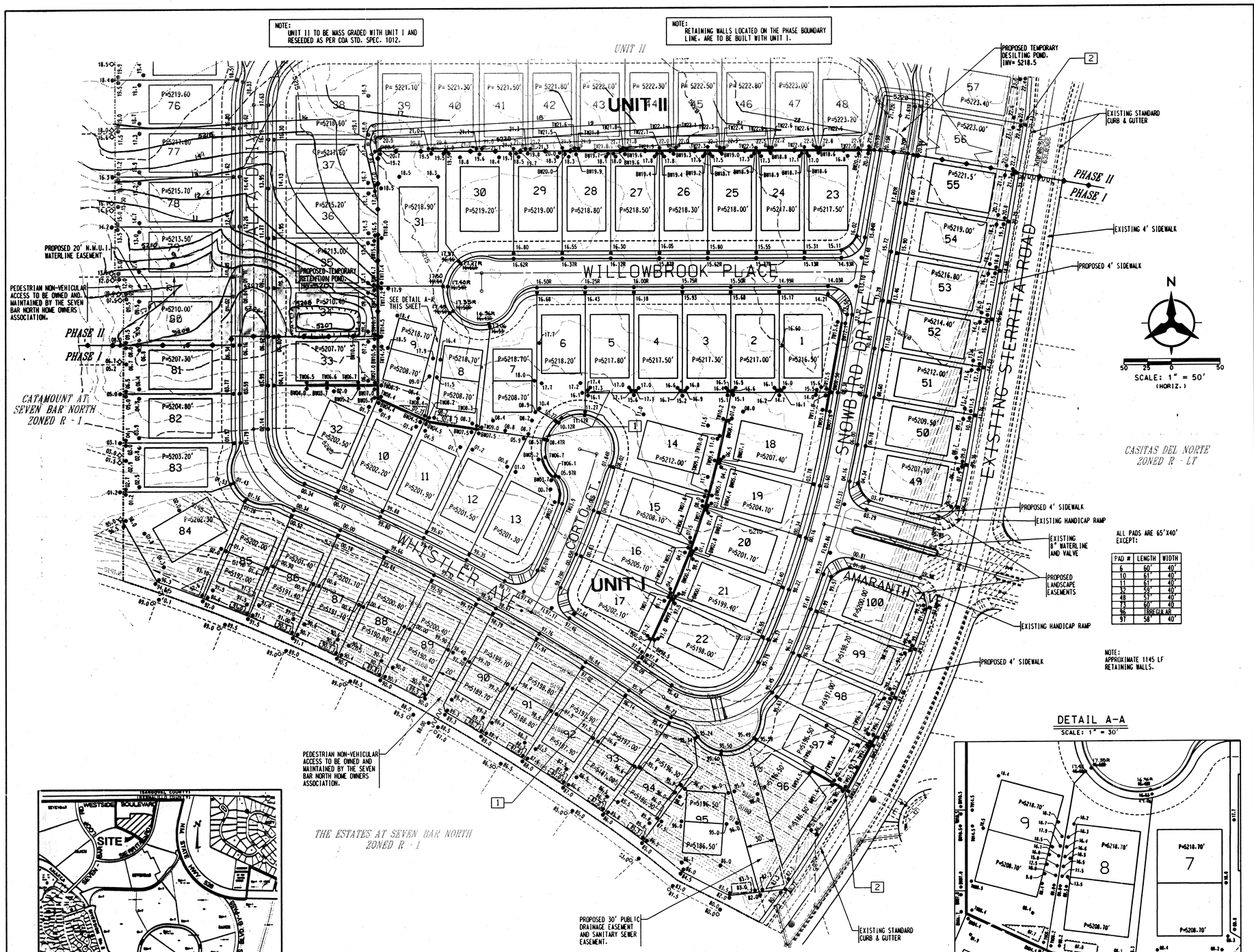
FOR INFORMATION ONLY

NOT A RECORDED DOCUMENT

CPN 575282

NOTE:
UNIT II TO BE MASS GRADED WITH UNIT I AND RESEEDED AS PER COA STD. SPEC. 1012.

NOTE:
RETAINING WALLS LOCATED ON THE PHASE BOUNDARY LINE, ARE TO BE BUILT WITH UNIT I.

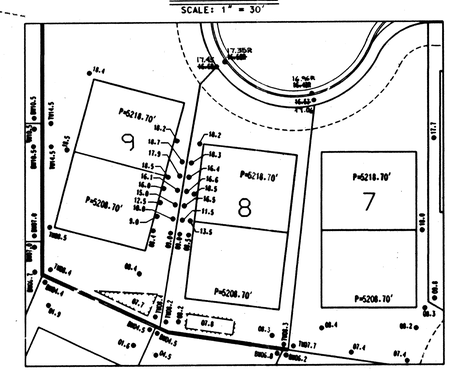


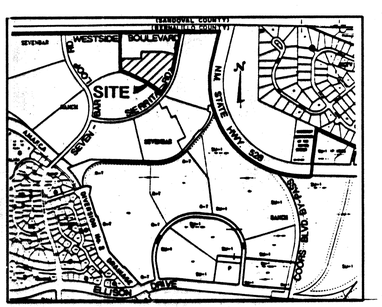
ALL PADS ARE 65'X40' EXCEPT:

PAD #	LENGTH	WIDTH
6	60'	40'
10	61'	40'
11	61'	40'
32	58'	40'
48	57'	40'
73	60'	40'
96	IRREGULAR	
97	58'	40'

NOTE:
APPROXIMATE 1145 LF RETAINING WALLS.

DETAIL A-A
SCALE: 1" = 30'





LOCATION MAP
ZONE ATLAS MAP NO. A-13

GENERAL NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENT.L HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR IS TO REFER TO EARTHWORK SPECIFICATION AS NOTED IN THE SOILS REPORT PREPARED BY VINYARD AND ASSOCIATES DATED AUG. 31. 1994.
3. 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.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER THE DETAIL ON SHEET 4. AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. ALL STREET SPOT ELEVATIONS ARE TO TOP OF CURB UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT FLOWLINE ELEVATION.
6. ALL SIDE WALLS SHOWN ARE TO BE PLACED ALONG PROPERTY LINE.

LEGAL DESCRIPTION
TRACT B-9
AT SEVEN BAR NORTH
SUBDIVISION, UNIT I

NOTE:
FOR GRADING DETAILS SEE SHEET 4 OF 19

NOTE:
FOR BACKYARD POND DIMENSIONS SHEET 4 OF 19

KEYED NOTES

1 GARDEN WALL BUILDER:
TO INSTALL ONE TURNED OUT BLOCK AT LOWEST POINT IN LOT JUST ABOVE GRADE.

2 GARDEN WALL BUILDER:
TO INSTALL ONE TURNED OUT CONCRETE MASONARY UNIT AT LOWEST POINT IN CORNER TO DRAIN TO SIERRITA ROAD RIGHT OF WAY.

LEGEND

PROPOSED RETAINING WALL	
PROPOSED SPOT ELEVATION	● 5235.25
TOP OF ROLL CURB ELEVATION	● 5235.25R
EXISTING SPOT ELEVATION	○ 5235.25
FUTURE SPOT ELEVATION	◇ 5235.25
PROPOSED CONTOUR	
EXISTING CONTOUR	
DIRECTION OF FLOW	
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN INLET	
PROPOSED STORM DRAIN LINE	
PROPOSED STORM DRAIN MANHOLE	
PROPOSED WATER BLOCK	
PROPOSED BACKYARD POND	
EXISTING SAS MANHOLE	
PHASING BOUNDARY	

SPOT ELELVATIONS CONTAINING AN "R" DENOTES TOP OF MOUNTABLE ROLL TYPE CURB. i.e. xx.xxR

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

AS-BUILT INFORMATION
CONTRACTOR PARKLINS
WORK STAKED BY ACS, INC 9/28/99
INSPECTOR'S ACCEPTANCE BY Vincent Romero DATE 1/96
FIELD VERIFICATION BY ACS, INC DATE 2/99
DRAWINGS CORRECTED BY ACS, INC DATE 6/99
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS
ACS ALUMINUM TABLET STAMPED " ACS 3-A312. 1986"
GEOGRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES (CENTRAL ZONE) X=370.667.68 Y=1.534.779.71
GROUND-TO-GRID FACTOR = .9996697
$\Delta\alpha$ = -00°14'59"
SLD 1929 ELEVATION = 5414.38'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JOHN C. ALEXANDER NEW MEXICO 13470 REGISTERED PROFESSIONAL ENGINEER
John C Alexander 7-9-98

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY JCA DATE 7/98
DRAWN BY PEG DATE 7/98
CHECKED BY JCA DATE 7/98

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH
GRADING PLAN UNIT I

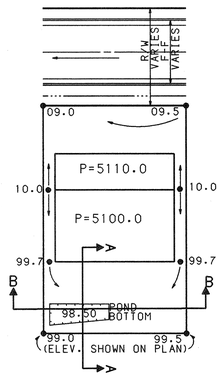
DESIGN REVIEW BOARD NO. 98 / 186
DRB APPROVAL DATE 08 / 04 / 98
LAST DESIGN UPDATE
CITY PROJECT NO. 5752.82
ZONE MAP NO. A-13
SHEET 3 OF 19

APPROVED FOR ROUGH GRADING (±1')
HYDROLOGY ENGINEER DATE

BHI JOB NO. 9816ICIO9

FOR INFORMATION ONLY

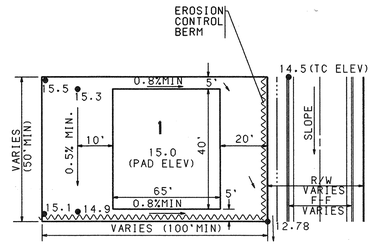
94250GP02.DGN



TYPICAL SPLIT LOT GRADING PLAN FOR LOTS WITH BACKYARD PONDING

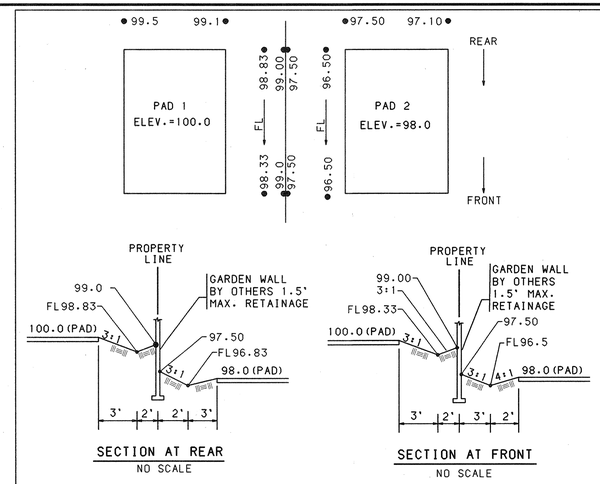
NO SCALE

NOTE: ALL AREAS FROM THE REAR OF THE UPPER PAD TO THE STREET TO DRAIN TO THE STREET. POND IS DESIGNED FOR FOR BACKYARD, SIDEYARD AND LOWER PAD RUNOFF.



TYPICAL LOT GRADING PLAN

NO SCALE
FOR LOTS WITHOUT PONDS
(SEE SHEET 3 OF 19 FOR REQUIRED SPOT ELEVATIONS.)



SECTION AT REAR
NO SCALE

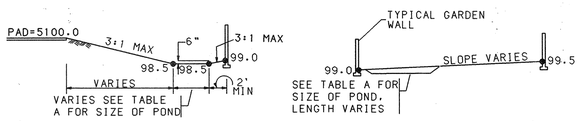
SECTION AT FRONT
NO SCALE

SIDE LOT GRADING (AFTER GARDEN WALL INSTALLATION)

NOTE: TYPICAL FOR LOTS WITHOUT SIDE LOT RETAINING WALLS. LOTS WITH RETAINING WALLS USE THE SAME GEOMETRY FOR DRAINAGE BUT A GREATER RETAINED DIFFERENCE (GREATER THAN 1.5').

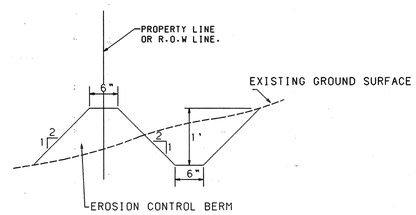
GENERAL NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR IS TO REFER TO EARTHWORK SPECIFICATION AS NOTED IN THE SOILS REPORT PREPARED BY VINYARD AND ASSOCIATES DATED AUGUST 31, 1994.
3. 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.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DETAIL THIS SHEET AND WETTING THE SOIL TO KEEP IT FROM BLOWING.



SECTION A-A
NO SCALE

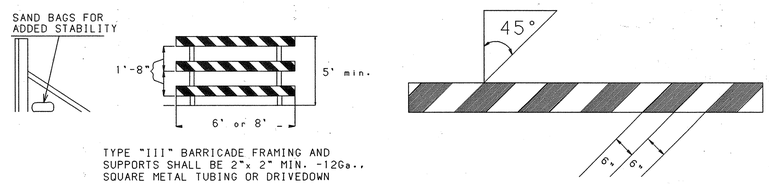
SECTION B-B
NO SCALE



EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT. SEE TYPICAL LOT GRADING PLAN THIS SHEET FOR LOCATION.



TYPE "III" BARRICADE FRAMING AND SUPPORTS SHALL BE 2"x 2" MIN. -12Ga., SQUARE METAL TUBING OR DRIVEDOWN

TYPICAL
MOVABLE TYPE "III" BARRICADE

RAIL SHALL BE 1/2" MIN. 5 PLY SIGN GRADE PLYWOOD OR 2"x 8" S4S QUALITY WOOD. STRIPES SHALL SLANT DOWN-WARD AT 45° TOWARD THE SIDE WHICH TRAFFIC IS TO PASS.

DETAIL OF BARRICADE
RAIL STRIPING

BARRICADE - CHARACTERISTICS

WIDTH OF RAIL	8"min.-12"max.
LENGTH OF RAIL	6'or8'
WIDTH OF STRIPES	6ins.
HEIGHT	5ft. min.
TYPE OF FRAME	Posts or skids

FOR BARRICADES LOCATION SEE SHEET 5 OF 19

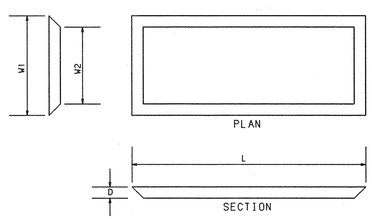
BARRICADE DETAILS

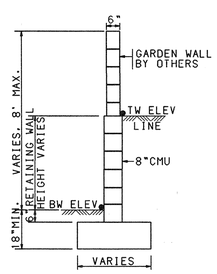
NO SCALE

TABLE A

BACKYARD POND DIMENSIONS
REFER TO SHEET 3 OF 19 FOR POND LOCATIONS

LOT # UNIT B-9	BACKYARD AREA (SQ. FT.)	REQUIRED V (100) (CU. FT.)	POND DIMENSION (FT.) (AVG. WIDTHS) L	W1	W2	D	ACTUAL POND VOLUME (CU. FT.)
8	1280	117	32	9	6	0.5	120
9	2002	167	27	14	11	0.5	169
58	1790	152	30	10	7	0.5	153
59	2500	201	35	13	10	0.5	201
84	5150	384	31	23	19.4	0.6	394
85	1400	125	20	14	11	0.5	125
86	1567	137	21	15	12	0.5	142
87	1640	142	21	15	12	0.5	142
88	1649	142	21	15	12	0.5	142
89	1562	136	21	15	12	0.5	142
90	1552	136	21	15	12	0.5	142
91	1595	139	21	15	12	0.5	142
92	1638	142	21	15	12	0.5	142
93	1615	140	21	15	12	0.5	142
94	1660	143	22	15	12	0.5	149
95	5391	401	42	18	14.4	0.6	408





TW=FINISHED GRADE ELEVATION AT TOP OF RETAINING WALL
BW=FINISHED GRADE ELEVATION AT BOTTOM OF RETAINING WALL

TYPICAL RETAINING WALL NOMENCLATURE

NO SCALE
(RETAINAGE HEIGHT IS TAKEN TO BE DIFFERENCE IN FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL)

AS-BUILT INFORMATION
CONTRACTOR Sundance
WORK STAKED BY HIS, INC. DATE 8/97
ACCEPTANCE BY Leroy Romero DATE 7/99
FIELD VERIFICATION BY HIS, INC. DATE 09
DRAWINGS CORRECTED BY HIS, INC. DATE 6/99
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
TBM NO.205
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE THE EAST WALL.
ELEV. 5110.55

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JOHN C. ALEXANDER NEW MEXICO 13478 REGISTERED PROFESSIONAL ENGINEER 9/15/98

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	JCA	09/98
DRAWN BY	JDG	09/98
CHECKED BY	JCA	09/98

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

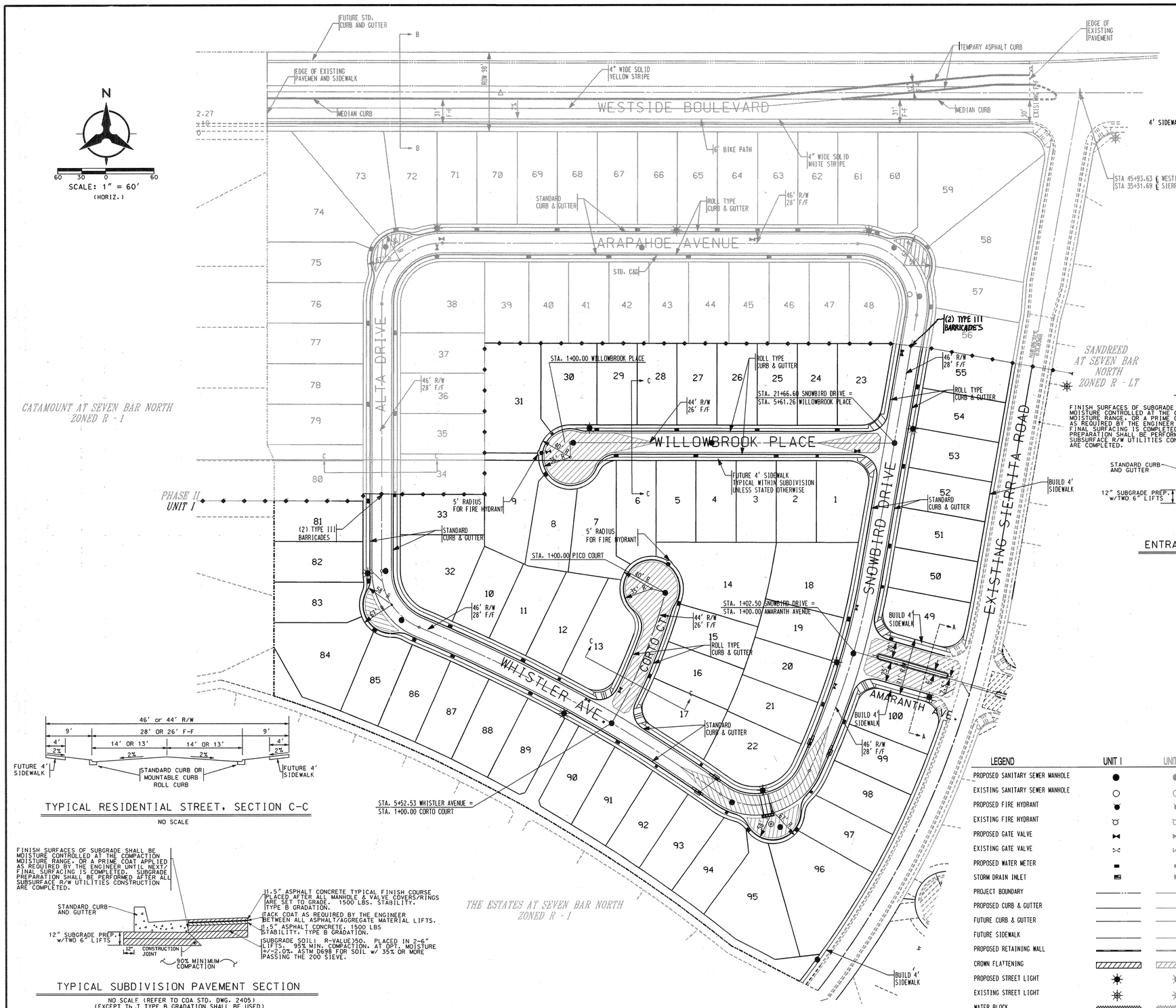
WHISTLER AT SEVEN BAR NORTH UNIT I
GRADING DETAILS

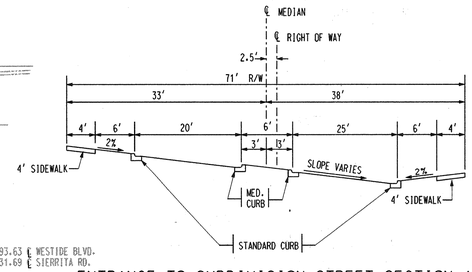
APPROVED DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

COA PROJECT No. 5752.82 | ZONE MAP NO. A-13 | SHEET 4 OF 19

BHI JOB NO. 98161A05

CDP1:[C9425040.PADJGRADE9-DTLS.GRF

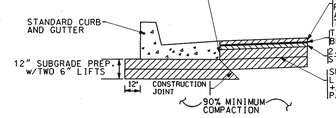




ENTRANCE TO SUBDIVISION STREET SECTION A-A

NO SCALE

FINISH SURFACES OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT THE COMPACTION MOISTURE RANGE, OR A PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/ FINAL SURFACING IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION ARE COMPLETED.



1.5" ASPHALT CONCRETE TYPICAL FINISH COURSE PLACED AFTER ALL MANHOLE & VALVE COVERS/RINGS ARE SET TO GRADE. 1800 LBS. STABILITY. TYPE B GRADATION.

TACK COAT AS REQUIRED BY THE ENGINEER BETWEEN ALL ASPHALT/AGGREGATE MATERIAL LIFTS.

2.5" ASPHALT CONCRETE. 1800 LBS STABILITY. TYPE A GRADATION.

SUBGRADE SOIL: R-VALUE>50. PLACED IN 2-6" LIFTS. 95% MIN. COMPACTION. AT OPT. MOISTURE +/-2.0%. ASTM D698 FOR SOIL w/ 35% OR MORE PASSING THE 200 SIEVE.

ENTRANCE TO SUBDIVISION PAVEMENT SECTION

NO SCALE

TYPICAL RESIDENTIAL STREET, SECTION C-C

NO SCALE

FINISH SURFACES OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT THE COMPACTION MOISTURE RANGE, OR A PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/ FINAL SURFACING IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION ARE COMPLETED.

1.5" ASPHALT CONCRETE TYPICAL FINISH COURSE PLACED AFTER ALL MANHOLE & VALVE COVERS/RINGS ARE SET TO GRADE. 1500 LBS. STABILITY. TYPE B GRADATION.

TACK COAT AS REQUIRED BY THE ENGINEER BETWEEN ALL ASPHALT/AGGREGATE MATERIAL LIFTS.

1.5" ASPHALT CONCRETE. 1500 LBS STABILITY. TYPE B GRADATION.

SUBGRADE SOIL: R-VALUE>50. PLACED IN 2-6" LIFTS. 95% MIN. COMPACTION. AT OPT. MOISTURE +/-2.0%. ASTM D698 FOR SOIL w/ 35% OR MORE PASSING THE 200 SIEVE.

TYPICAL SUBDIVISION PAVEMENT SECTION

NO SCALE (REFER TO COA STD. DWG. 2405)
(EXCEPT Th..T TYPE B GRADATION SHALL BE USED)

LEGEND	UNIT I	UNIT II
PROPOSED SANITARY SEWER MANHOLE	●	●
EXISTING SANITARY SEWER MANHOLE	○	○
PROPOSED FIRE HYDRANT		
EXISTING FIRE HYDRANT		
PROPOSED GATE VALVE		
EXISTING GATE VALVE		
PROPOSED WATER METER		
STORM DRAIN INLET		
PROJECT BOUNDARY		
PROPOSED CURB & GUTTER		
FUTURE CURB & GUTTER		
FUTURE SIDEWALK		
PROPOSED RETAINING WALL		
CROWN FLATTENING		
PROPOSED STREET LIGHT		
EXISTING STREET LIGHT		
WATER BLOCK		

Bohannan ▲ Huston

Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH UNIT I
OVERALL PAVING PLAN

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5752.82	A -13	5	19

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	OR /JCA	09/98
DRAWN BY	OR/GGG	09/98
CHECKED BY	JCA	09/98

ENGINEER'S SEAL: JOHN C. ALEXANDER, NEW MEXICO (13478), REGISTERED PROFESSIONAL ENGINEER, 9-15-98

SURVEY INFORMATION

NO.	BY	DATE

FIELD NOTES

BENCH MARKS

TBM NO. 205
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLETS STRUCTURE ON THE EAST WALL.
ELEVATION 5110.55

AS-BUILT INFORMATION

		DATE
CONTRACTOR	Sundance	08/99
WORK STAKED BY	HIS, INC	
ACCEPTANCE BY		
FIELD VERIFICATION BY	HIS, INC	DATE 08/99
DRAWINGS CORRECTED BY	HIS, INC	DATE 8/99

MICRO-FILM INFORMATION

	DATE
RECORDED BY	
NO.	

SCANNED BY MESA REPRO

P:BHI-MAIN#PROJECTS#94250#DGN
942500VLPAVE1.DGN

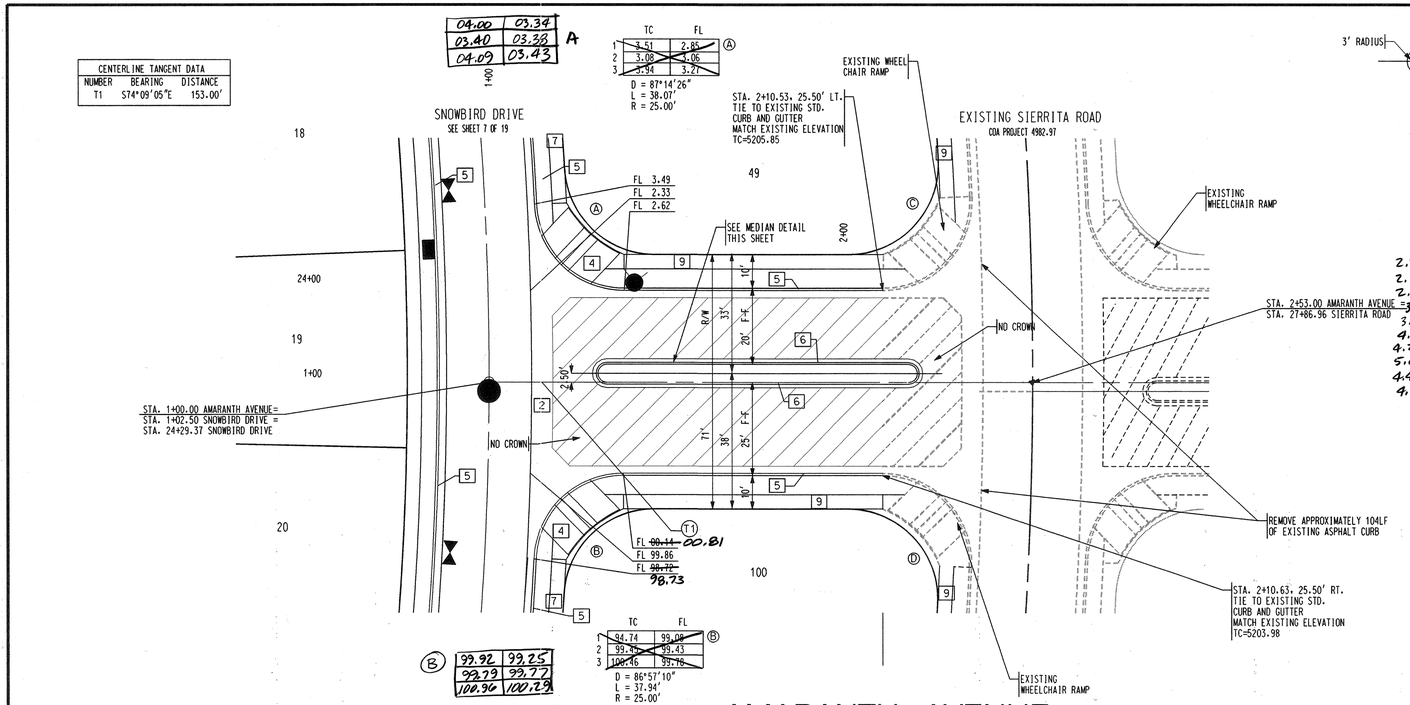
DATE: AUGUST, 1998

CENTERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	S74°09'05"E	153.00'

04.00	03.34	A
03.40	03.38	
04.09	03.43	

	TC	FL
1	3.51	2.85
2	3.08	3.06
3	3.94	3.27

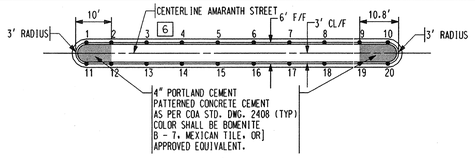
D = 87°14'26"
L = 38.07'
R = 25.00'



	TC	FL
1	94.74	99.08
2	99.45	99.43
3	100.46	99.76

D = 86°57'10"
L = 37.94'
R = 25.00'

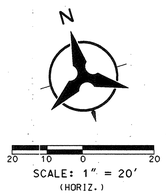
99.92	99.25	B
99.79	99.77	
100.96	100.29	



MEDIAN CURB DETAIL

(NO SCALE)

MEDIAN CURB DATA							
PT	FL	STATION & OFFSET	PT	FL	STATION & OFFSET		
1	~~2.0~~ 2.28	1+33.00, 5.50' LT.	11	~~1.7~~ 1.96	1+33.00, 0.50' RT.		
2	~~2.3~~ 2.56	1+40.00, 5.50' LT.	12	~~2.0~~ 2.24	1+40.00, 0.50' RT.		
3	~~2.7~~ 2.95	1+50.00, 5.50' LT.	13	~~2.4~~ 2.69	1+50.00, 0.50' RT.		
4	~~3.1~~ 3.35	1+60.00, 5.50' LT.	14	~~2.8~~ 3.04	1+60.00, 0.50' RT.		
5	~~3.5~~ 3.75	1+70.00, 5.50' LT.	15	~~3.2~~ 3.44	1+70.00, 0.50' RT.		
6	~~3.8~~ 4.07	1+80.00, 5.50' LT.	16	~~3.5~~ 3.75	1+80.00, 0.50' RT.		
7	~~4.0~~ 4.29	1+90.00, 5.50' LT.	17	~~3.7~~ 3.98	1+90.00, 0.50' RT.		
8	~~4.2~~ 5.01	2+00.00, 5.50' LT.	18	~~3.9~~ 4.69	2+00.00, 0.50' RT.		
9	~~4.2~~ 4.41	2+10.00, 5.50' LT.	29	~~3.9~~ 4.14	2+10.00, 0.50' RT.		
10	~~4.1~~ 4.35	2+18.00, 5.50' LT.	20	~~3.9~~ 4.10	2+18.00, 0.50' RT.		



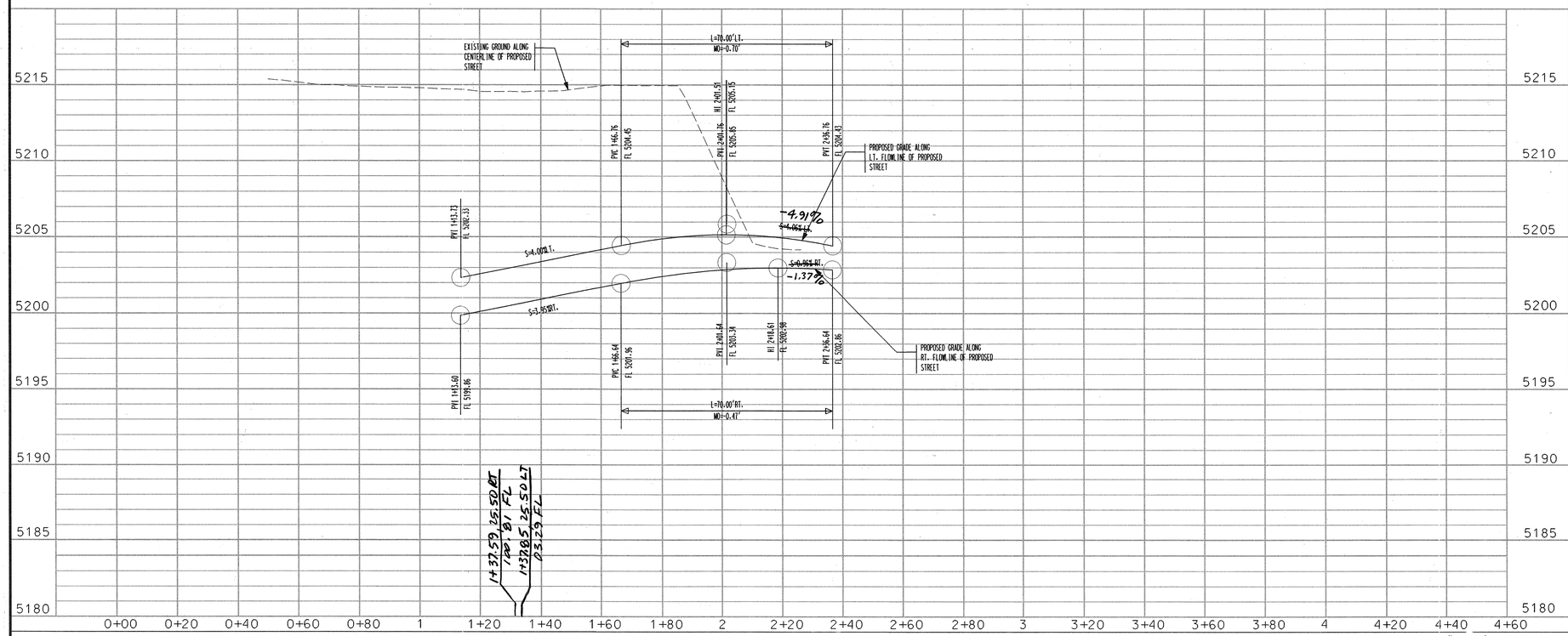
NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' 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" X 4" X 5' POST AND EMD 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 & 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).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

* NOT APPLICABLE THIS SHEET

KEYED GENERAL NOTES

* 1 INSTALL CONCRETE VALLEY GUTTER AS PER COA STD. DWG. 2421
2 INSTALL CONCRETE VALLEY GUTTER AS PER COA STD. DWG. 2420
* 3 INSTALL WHEELCHAIR RAMP AS PER COA STD. DWG. 2441, CASE I
4 INSTALL WHEELCHAIR RAMP AS PER COA STD. DWG. 2441, CASE II
5 STANDARD CURB & GUTTER AS PER COA STD. DWG. 2415
6 MEDIAN CURB & GUTTER AS PER COA STD. DWG. 2415
7 FUTURE 4' SIDEWALK
* 8 BUILD 6' SIDEWALK
9 BUILD 4' SIDEWALK



SCALE: 1" = 20' (HORIZ.)
1" = 10' (VERT.)

AS-BUILT INFORMATION	
CONTRACTOR	Sundance
WORK STAKED BY	LIS, INC. DATE 7/99
STAKES CHECKED FOR ACCEPTANCE BY	Lenny Bence DATE 7/99
FIELD VERIFICATION BY	LIS, INC DATE 8/99
DRAWINGS CORRECTED BY	LIS, INC DATE 8/99
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS		
TBM NO. 205		
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL. ELEV. 5110.55		

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL
JOHN C. ALEXANDER
NEW MEXICO 13476
REGISTERED PROFESSIONAL ENGINEER
9-15-98

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	JCA	DATE 09/98
DRAWN BY	PEG/GGG	DATE 09/98
CHECKED BY	JCA	DATE 08/98

Bohannan ▲ Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISLTER AT SEVEN BAR NORTH UNIT I
PAVING PLAN & PROFILE
AMARANTH AVENUE

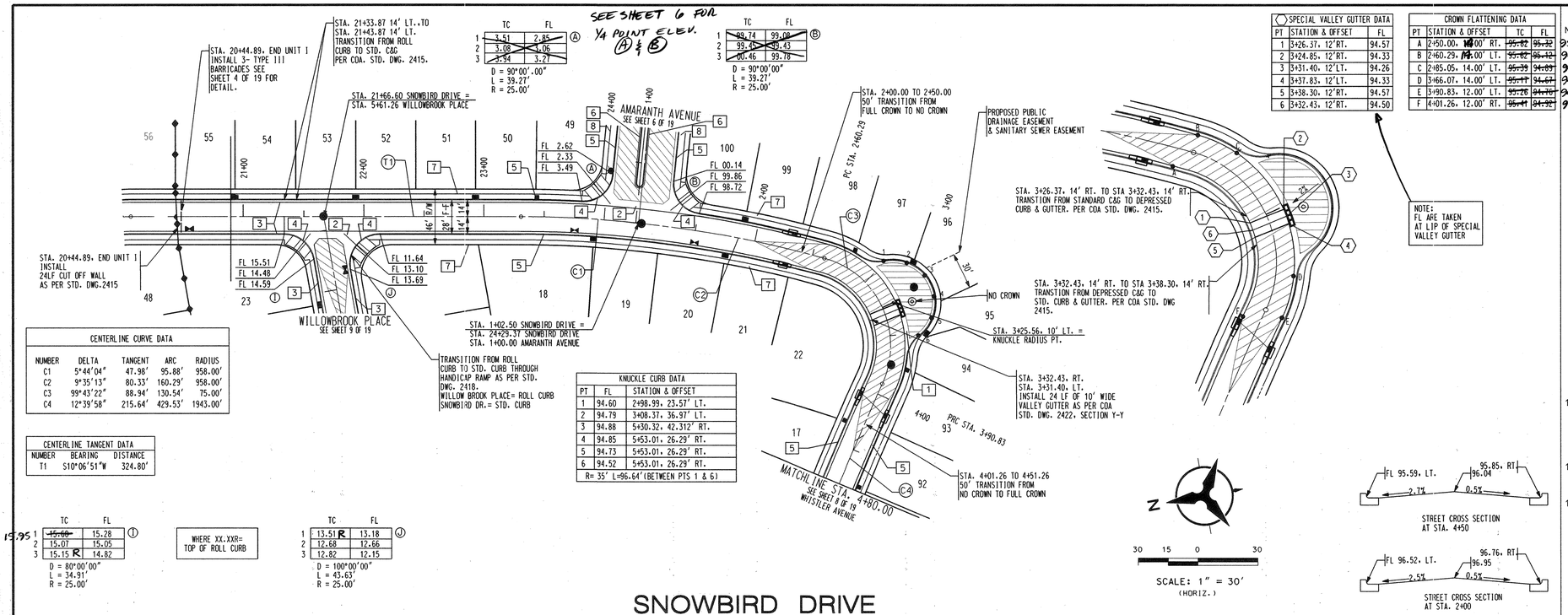
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DESIGN REVIEW COMMITTEE				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5752.82	A-13	6	19

P:BHI-MAIN\PROJECTS\94250\CDP\PNP
94250PPNP01.DGN

BHI JOB NO. 98161A05

DATE: SEPTEMBER, 1998



CENTERLINE CURVE DATA				
NUMBER	DELTA	TANGENT	ARC	RADIUS
C1	5°44'04"	47.98'	95.88'	958.00'
C2	9°35'13"	80.33'	160.29'	958.00'
C3	99°43'22"	88.94'	130.54'	75.00'
C4	12°39'58"	215.64'	429.53'	1943.00'

CENTERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	S10°06'51"W	324.80'

KNUCKLE CURB DATA		
PT	FL	STATION & OFFSET
1	94.60	2+98.99, 23.57' LT.
2	94.79	3+08.37, 36.97' LT.
3	94.88	5+30.32, 42.312' RT.
4	94.85	5+53.01, 26.29' RT.
5	94.73	5+53.01, 26.29' RT.
6	94.52	5+53.01, 26.29' RT.
R= 35' L=96.64'(BETWEEN PTS 1 & 6)		

SPECIAL VALLEY GUTTER DATA		
PT	STATION & OFFSET	FL
1	3+26.37, 12'RT.	94.57
2	3+24.85, 12'RT.	94.33
3	3+31.40, 12'LT.	94.26
4	3+37.83, 12'LT.	94.33
5	3+38.30, 12'RT.	94.57
6	3+32.43, 12'RT.	94.50

CROWN FLATTENING DATA			
PT	STATION & OFFSET	TC	FL
A	2+50.00, 14.00' RT.	~~95.02~~	~~95.32~~
B	2+60.29, 14.00' LT.	~~95.02~~	~~95.32~~
C	2+85.05, 14.00' LT.	~~95.39~~	~~94.83~~
D	3+66.07, 14.00' LT.	~~95.17~~	~~94.61~~
E	3+90.83, 12.00' LT.	~~95.26~~	~~94.70~~
F	4+01.26, 12.00' LT.	~~95.41~~	~~94.92~~

NOTES

95.40 / 94.82 / 94.44 / 94.31 / 94.75 / 95.24

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' 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" X 4" X 5' POST AND EMD 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.
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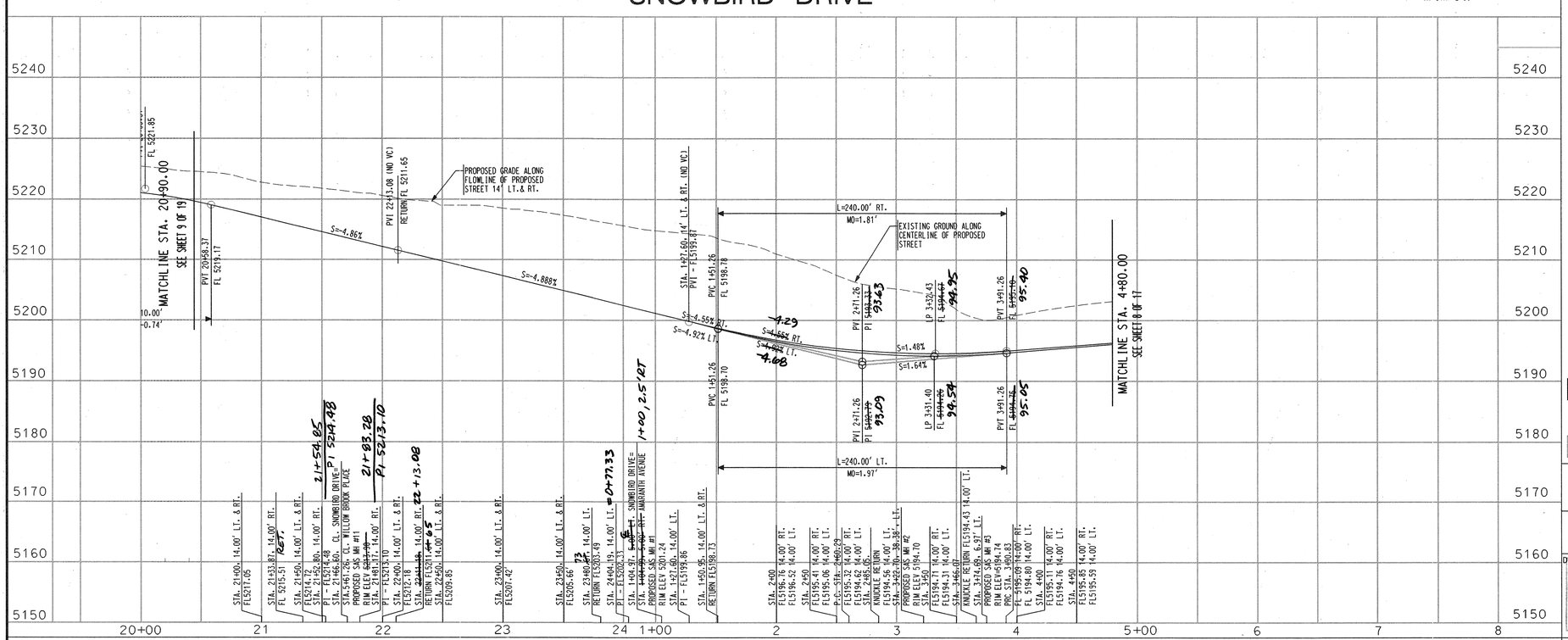
11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

* NOT APPLICABLE THIS SHEET

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER COA STD. DWG. 2421
2. INSTALL CONCRETE VALLEY GUTTER AS PER COA STD. DWG. 2420
3. ROLL CURB AND GUTTER AS PER STD. DWG. 2415
4. INSTALL WHEELCHAIR RAMP AS PER COA STD. DWG. 2441, CASE II
5. STANDARD CURB & GUTTER AS PER COA STD. DWG. 2415
6. MEDIAN CURB & GUTTER AS PER COA STD. DWG. 2415
7. FUTURE 4' SIDEWALK
8. BUILD 4' SIDEWALK

SNOWBIRD DRIVE



SCANNED BY MESA REPRO

AS-BUILT INFORMATION			
CONTRACTOR	Sundance		
WORK STAKED BY	HS		9/99
INSPECTOR'S ACCEPTANCE BY	Lenny Romero	DATE	7/99
VERIFICATION BY	HS Inc	DATE	9/99
DRAWINGS CORRECTED BY	HS Inc	DATE	9/99
MICRO-FILM INFORMATION			
RECORDED BY		DATE	
NO.			

BENCH MARKS		
TBM NO. 205		
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.		
ELEV. 5110.55		

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

JOHN C. ALEXANDER, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 13478, 9-15-98

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	JCA	DATE 09/98
DRAWN BY	PEG/GGG	DATE 09/98
CHECKED BY	JCA	DATE 09/98

Bohannan ▲ Huston

Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH UNIT I
PAVING PLAN & PROFILE
SNOWBIRD DRIVE

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5752.82	A-13	7	19

P:\BHI-MAIN\PROJECTS\94250\CDP\PNP\UNIT I
94250PPNP02.DGN

BHI JOB NO.98161A05

KNUCKLE CURB DATA		
PT	FL	STATION & OFFSET
1	95.94	8+38.72, 19.95' LT.
2	00.29	8+48.44, 29.45' LT.
3	00.56	8+59.13, 34.38' LT.
4	00.77	8+70.10, 34.38' LT.
5	00.90	8+80.79, 29.45' LT.
6	00.97	8+90.51, 19.95' LT.

R=35.00', L= 79.69' BETWEEN PTS 1 & 6)

CENTERLINE CURVE DATA				
NUMBER	DELTA	TANGENT	ARC	RADIUS
C4	12°39'58"	215.64'	429.53'	1943.00'
C5	-67°37'19"	50.23'	88.52'	75.00'

CENTERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N00°06'51"E	159.31'

CENTERLINE CURVE DATA				
NUMBER	DELTA	TANGENT	ARC	RADIUS
C1	90°00'00"	75.00'	117.81'	75.00'

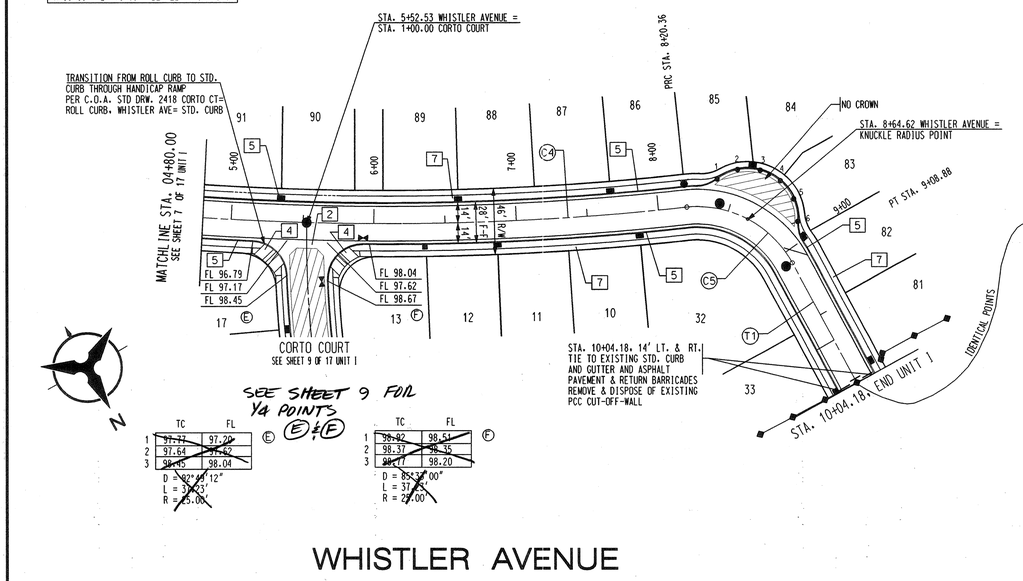
CENTERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N00°06'51"E	330.31'
T2	S89°53'09"E	518.29'

KNUCKLE CURB DATA		
PT	FL	STATION & OFFSET
1	18.11	12+73.15, 20.49' LT.
2	18.45	12+82.98, 29.92' LT.
3	18.67	12+93.42, 34.62' LT.
4	18.76	13+04.05, 34.62' LT.
5	18.71	13+14.47, 29.93' LT.
6	18.57	13+24.67, 20.01' LT.

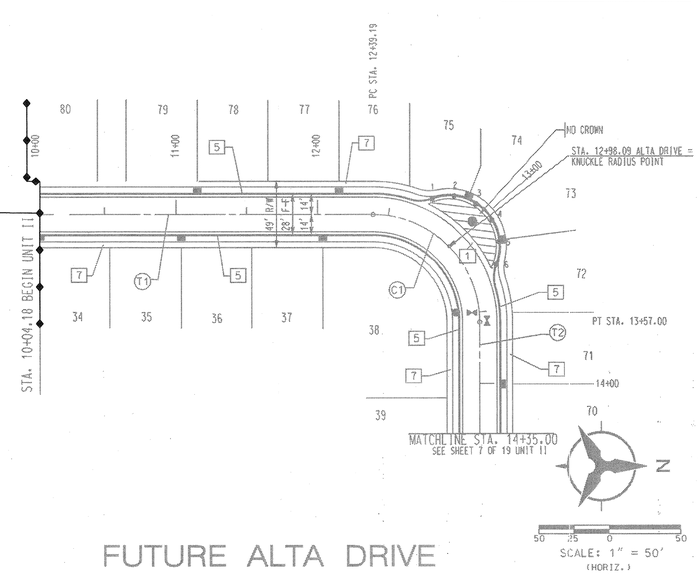
R=35.00', L= 81.46'(BETWEEN PTS 1 & 6)

NOTES

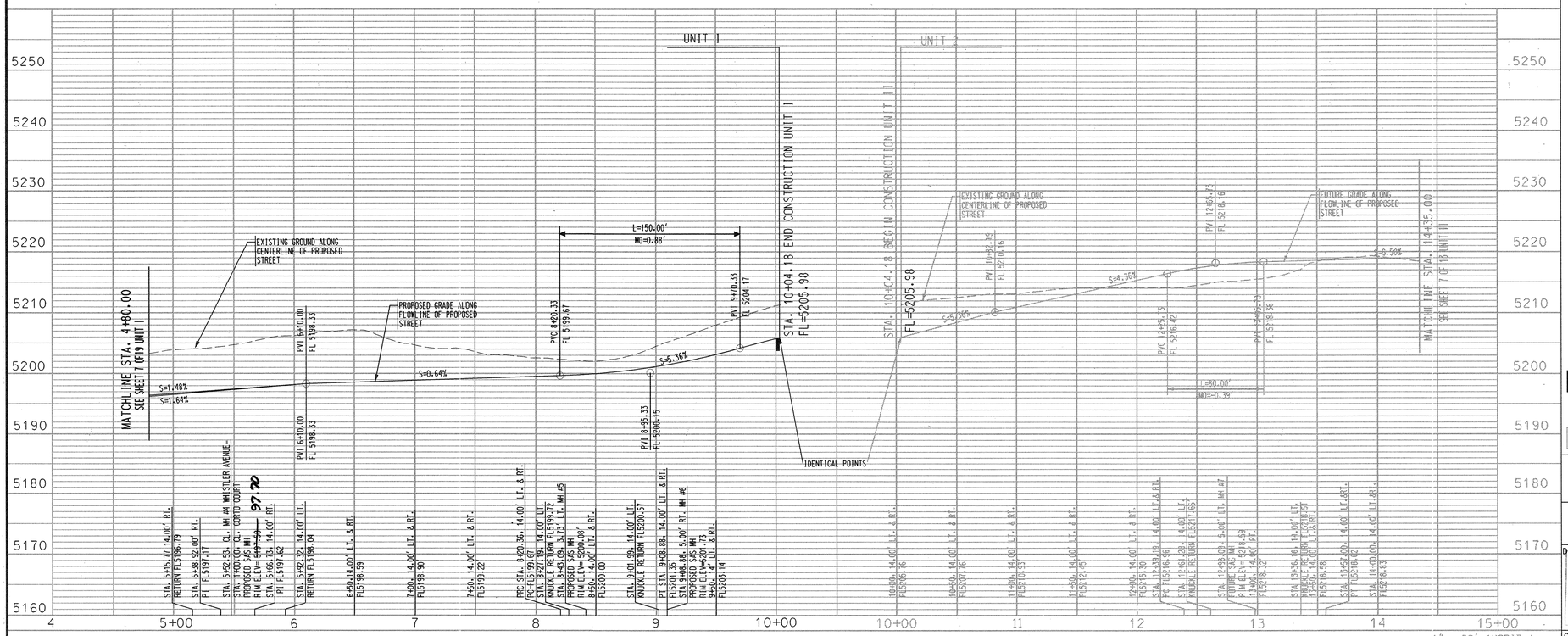
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND EMD 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 & 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).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.



WHISTLER AVENUE



FUTURE ALTA DRIVE



KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER COA STD. DWG. 2421
2. INSTALL CONCRETE VALLEY GUTTER AS PER COA STD. DWG. 2420
* 3. INSTALL WHEELCHAIR RAMP AS PER COA STD. DWG. 2441, CASE I
4. INSTALL WHEELCHAIR RAMP AS PER COA STD. DWG. 2441, CASE II
5. STANDARD CURB & GUTTER AS PER COA STD. DWG. 2415
* 6. MEDIAN CURB & GUTTER AS PER COA STD. DWG. 2415
7. FUTURE 4' SIDEWALK
* 8. BUILD 6' SIDEWALK

* NOT APPLICABLE THIS SHEET

Bohannan ▲ Huston

Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH UNIT I

PAVING PLAN & PROFILE
WHISTLER AVENUE & ALTA DRIVE

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

APPROVED — DESIGN REVIEW COMMITTEE

LAST DESIGN UPDATE

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5752.82	A-13	8	19

AS-BUILT INFORMATION
CONTRACTOR: Sundance
WORK MARKED BY: US, Inc. 9/99
INSPECTOR'S ACCEPTANCE BY: Leonard Romero DATE 7/99
FIELD VERIFICATION BY: US, Inc DATE 9/99
DRAWINGS CORRECTED BY: US, Inc DATE 9/99
MICRO-FILM INFORMATION
RECORDED BY | DATE | NO.

BENCH MARKS
TBM NO. 205
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.
ELEV. 5110.55

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JOHN C. ALEXANDER, NEW MEXICO 13478, REGISTERED PROFESSIONAL ENGINEER, 9-15-99

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	JCA	09/98
DRAWN BY	PEG/GGG	09/98
CHECKED BY	JCA	09/98

DATE: SEPTEMBER, 1998

BHI JOB NO. 98161A05

P:\BHI-MAIN\PROJECTS\94250\CDP\UNIT I
94250PPNP03.DGN

CENTERLINE CURVE DATA				
NUMBER	DELTA	TANGENT	ARC	RADIUS
C1	14°09'49"	88.46'	176.01'	712.00'

CUL-DE-SAC CURB DATA		
PT	FL	STATION & OFFSET
1	05.35	2+41.68. 30.24' LT
2	06.40	2+54.73. 46.60' LT
3	08.06	2+75.59. 53.00' LT
4	09.75	2+96.61. 47.10' LT.
5	10.32	3+10.07.31.15' LT.
6	10.36	3+11.78. 10.82' LT
7	10.18	3+02.08. 5.90' RT.
8	08.79	2+84.62. 16.23' RT.
9	07.19	2+64.70. 15.17' RT
R= 35.00', L=162.57'(BETWEEN PTS 1 & 9)		

	TC	FL
1	~~97.77~~	97.20
2	~~97.64~~	~~97.62~~
3	~~98.45~~	98.04

D = 92°49'12"
L = 40.50'
R = 25.00'

~~98.83R~~	~~98.50~~	(F)
~~98.37~~	~~98.35~~	
~~98.86~~	~~98.19~~	

TRANSITION FROM STD. ROLL CURB TO CURB THROUGH HANDI CAP RAMP AS PER C.O.A. STD. DRW. 2418. CORTO CT.-ROLL CURB WHISTLER AVE. STD. CURB

WHISTLER AVENUE
SEE SHEET 8 OF 19

STA. 1+00.00 CORTO COURT =
STA. 5+52.53 WHISTLER AVENUE

FL 98.04
FL 97.62
~~FL 98.67~~ 98.65

~~98.08~~ ~~FL 98.42~~
FL 97.17
FL 96.79

STA. 2+76.02. 18' LT.
CORTO CT.

NO CROWN

STA. 2+76.02. CL.
CORTO CT.

	TC	FL
1	~~98.92~~	~~98.51~~
2	~~98.57~~	~~98.35~~
3	~~98.71~~	98.20

D = 85°19'48"
L = 37.23'
R = 25.00'

97.78	97.11	(E)
97.45	97.43	
98.09R	97.76	

SCALE: 1" = 50'
(HORIZ.)

CORTO COURT

CENTERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N89°53'09"W	329.58'

CUL-DE-SAC CURB DATA		
PT	FL	STATION & OFFSET
1	16.46	1+82.82. 30.24' RT
2	16.52	1+77.63. 46.28' RT
3	16.71	1+58.62. 52.95' RT
4	16.90	1+39.07. 48.02' RT.
5	17.04	1+25.48. 33.14' RT.
6	17.07	1+22.36. 13.23' RT
7	16.98	1+30.72. 05.01' LT.
8	16.81	1+47.81. 15.78' LT
9	16.61	1+67.96. 15.78' LT
R= 35.00', L=163.53'(BETWEEN PTS 1 & 9)		

	TC	FL
1	~~15.81~~	15.28
2	15.07	15.05
3	15.15R	14.82

D = 80°00'00"
L = 34.91'
R = 25.00'

15.95 (I)

STA. 1+57.00. CL.
WILLOWBROOK

STA. 2+06.20 TO 2+56.20
50' TRANSITION FROM
NO CROWN TO FULL CROWN
AS PER COA STD. DWG. 2401

STA. 4+64.78 TO 5+14.78
50' TRANSITION FROM FULL
CROWN TO NO CROWN
AS PER COA STD. DWG. 2401

SNOWBIRD DRIVE
SEE SHEET 7 OF 19

FL 15.51
FL 14.48
FL 14.59

STA. 5+61.26
WILLOWBROOK PLACE =
STA. 21+66.60 SNOWBIRD DRIVE

FL 13.69
FL 13.10
FL 11.64

STA. 1+57.00. 18' RT.
WILLOWBROOK

TRANSITION FROM
ROLL CURB TO STD.
CURB THROUGH
HANDI CAP RAMP
AS PER C.O.A. STD.
DRW. 2418.
WILLOWBROOK PL=ROLL CURB
SNOWBIRD DR. STD. CURB

	TC	FL
1	13.51R	13.18
2	12.68	12.66
3	12.82	12.15

D = 100°00'00"
L = 43.63'
R = 25.00'

SCALE: 1" = 50'
(HORIZ.)

WILLOWBROOK PLACE

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
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11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

* NOT APPLICABLE THIS SHEET

KEYED GENERAL NOTES

* [1] INSTALL CONCRETE VALLEY GUTTER AS PER COA STD. DWG. 2421
[2] INSTALL CONCRETE VALLEY GUTTER AS PER COA STD. DWG. 2420
* [3] INSTALL WHEELCHAIR RAMP AS PER COA STD. DWG. 2441. CASE I
[4] INSTALL WHEELCHAIR RAMP AS PER COA STD. DWG. 2441. CASE II
[5] STANDARD CURB & GUTTER AS PER COA STD. DWG. 2415
[6] ROLL CURB & GUTTER AS PER COA STD. DWG. 2415
[7] FUTURE 4' SIDEWALK
* [8] BUILD 6' SIDEWALK

AS-BUILT INFORMATION
CONTRACTOR Sundance
WORK STAKED BY HS, Inc. DATE 8/98
INSPECTOR'S ACCEPTANCE BY Gary Davis DATE 7/98
VERIFICATION BY HS, Inc. DATE 10/98
DRAWINGS CORRECTED BY HS, Inc. DATE 8/98
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
TBM NO. 205
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.
ELEV. 5110.55

ENGINEER'S SEAL SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

JOHN C. ALEXANDER NEW MEXICO 5478 REGISTERED PROFESSIONAL ENGINEER 9-15-98

NO.	DATE	REMARKS
		REVISIONS
		DESIGN

DESIGNED BY	JCA	DATE 09/98
DRAWN BY	PGG/GGG	DATE 09/98
CHECKED BY	JCA	DATE 09/98

Bohannan ▲ Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH UNIT I
PAVING PLAN & PROFILE
CORTO COURT /WILLOWBROOK PLACE

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

APPROVED DESIGN REVIEW COMMITTEE

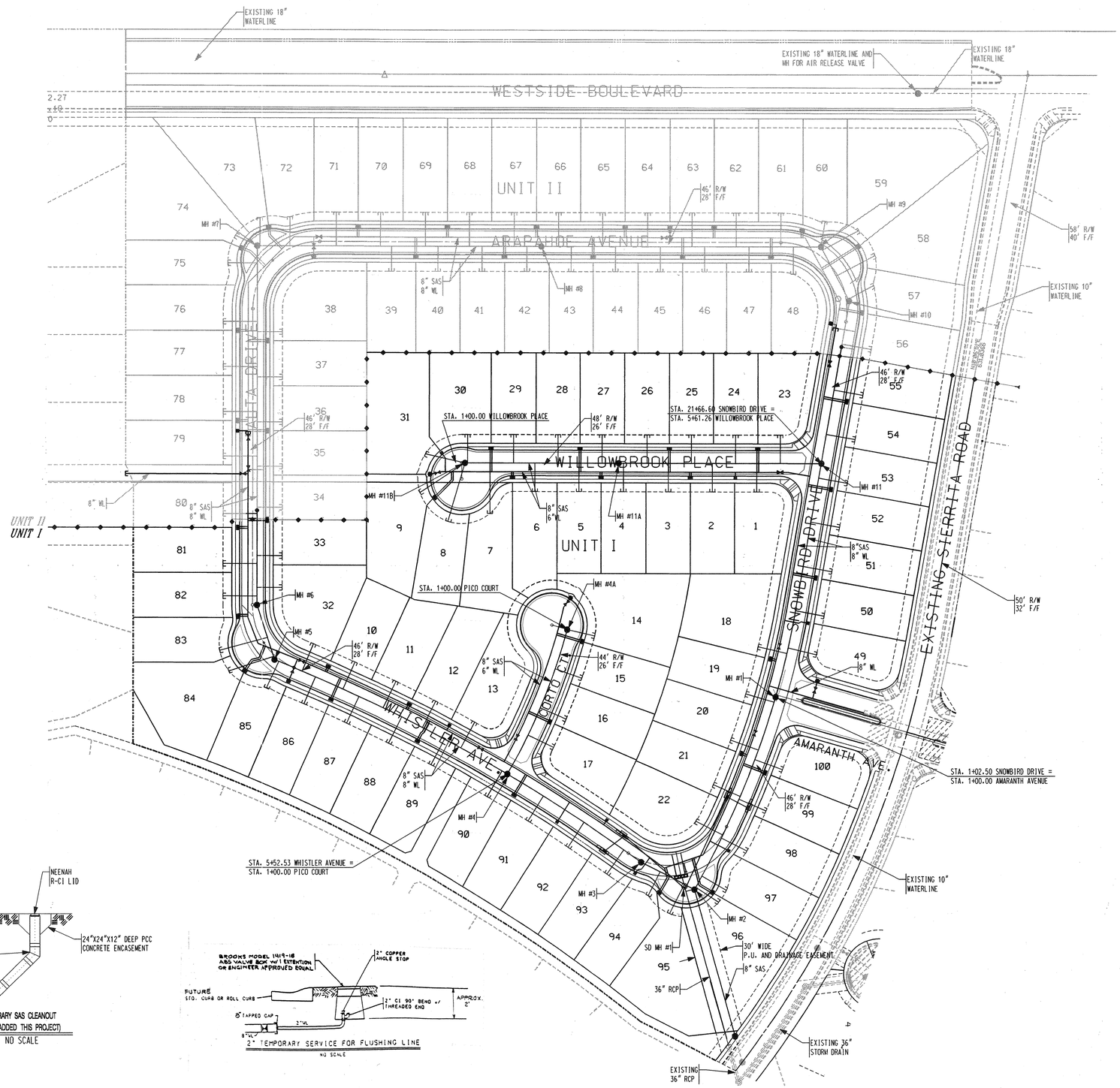
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5752.82	A-13	9	19

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

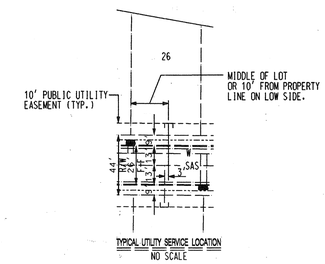
P:\BHI-MAIN\PROJECTS\94250\CDP\PNP 94250PPNP05.DGN

BHI JOB NO. 98161A05

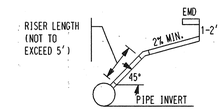
DATE: SEPTEMBER. 1998



LEGEND	UNIT I	UNIT II
PROPOSED SANITARY SEWER MANHOLE	●	●
EXISTING SANITARY SEWER MANHOLE	○	○
PROPOSED FIRE HYDRANT		
EXISTING FIRE HYDRANT		
PROPOSED GATE VALVE		
EXISTING GATE VALVE		
PROPOSED SANITARY SEWER LINE	SAS	SAS
EXISTING SANITARY SEWER LINE	SAS	SAS
PROPOSED WATER LINE	W	W
EXISTING WATER LINE	W	W
PROPOSED SANITARY SEWER SERVICE		
PROPOSED WATER METER SERVICE		
UNIT BOUNDARY		

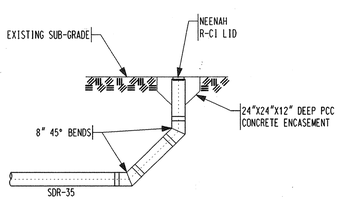


TYPICAL UTILITY SERVICE LOCATION
NO SCALE



SERVICE RISER DETAIL

(SERVICE CONNCECTION * INSTALLATION TO CONFORM TO COA STD. DWG. 2134 USE CI SOIL PIPE ONLY)



TEMPORARY SAS CLEANOUT
(TO BE ADDED THIS PROJECT)
NO SCALE

2" TEMPORARY SERVICE FOR FLUSHING LINE
NO SCALE

SCALE: 1" = 60'
(HORIZ.)

Bohannan ▲ Huston

Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH UNIT I
OVERALL UTILITY PLAN

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5752.82	A -13	10	19

AS-BUILT INFORMATION
CONTRACTOR Sandoval
WORK STAKED BY JS, Inc 8/98
WORK INSPECTED BY
ACCEPTANCE BY Leroy Baca DATE 7/98
FIELD VERIFICATION BY JS, Inc DATE 8/98
DRAWINGS CORRECTED BY JS, Inc DATE 8/98
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
TBM NO. 205
CHISELED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLETS STRUCTURE ON THE EAST WALL.
ELEVATION 5110.55

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JOHN C. ALEXANDER NEW MEXICO 13476 9-15-98 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

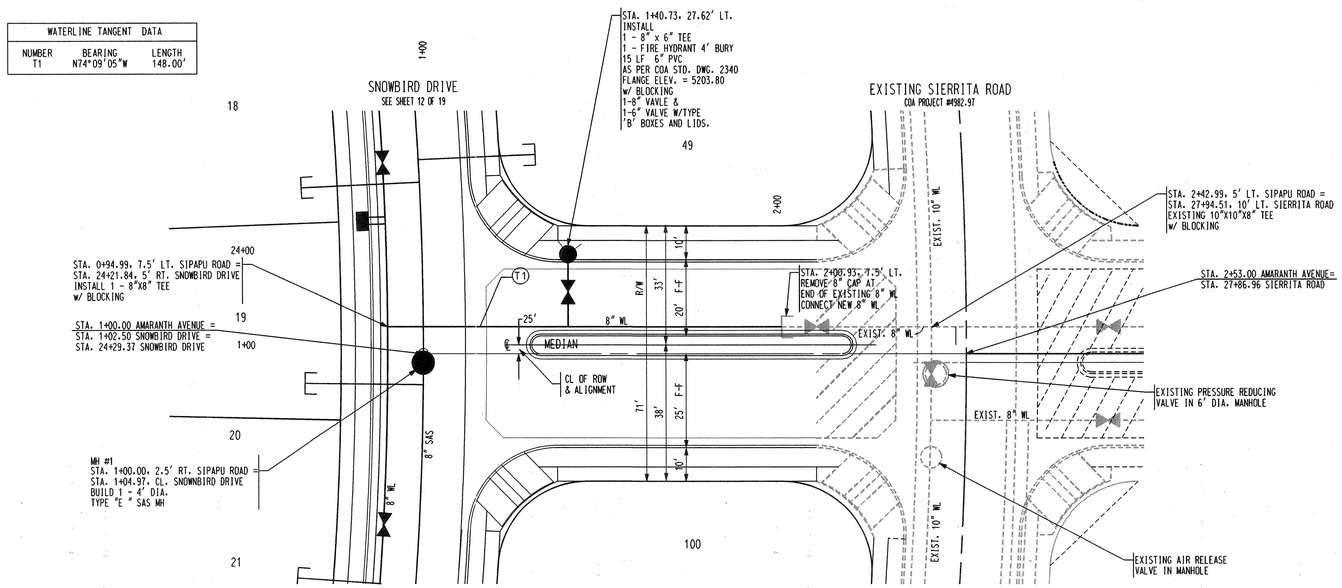
		DATE
DESIGNED BY	OR /JCA	09/98
DRAWN BY	OR/GGG	09/98
CHECKED BY	JCA	09/98

P:\BHI-MAIN\PROJECTS\94250\DGN
942500VLUTIL.DGN

BHI JOB NO. 98161A05

DATE: AUGUST, 1998

WATERLINE TANGENT DATA		
NUMBER	BEARING	LENGTH
T1	N74°09'05"W	148.00'



ALL SANITARY SEWER LINES SHALL BE SDR 35 UNLESS OTHERWISE NOTED. ALL WATER LINES SHALL BE C-900 UNLESS OTHERWISE NOTED.

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' 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" X 4" X 5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.
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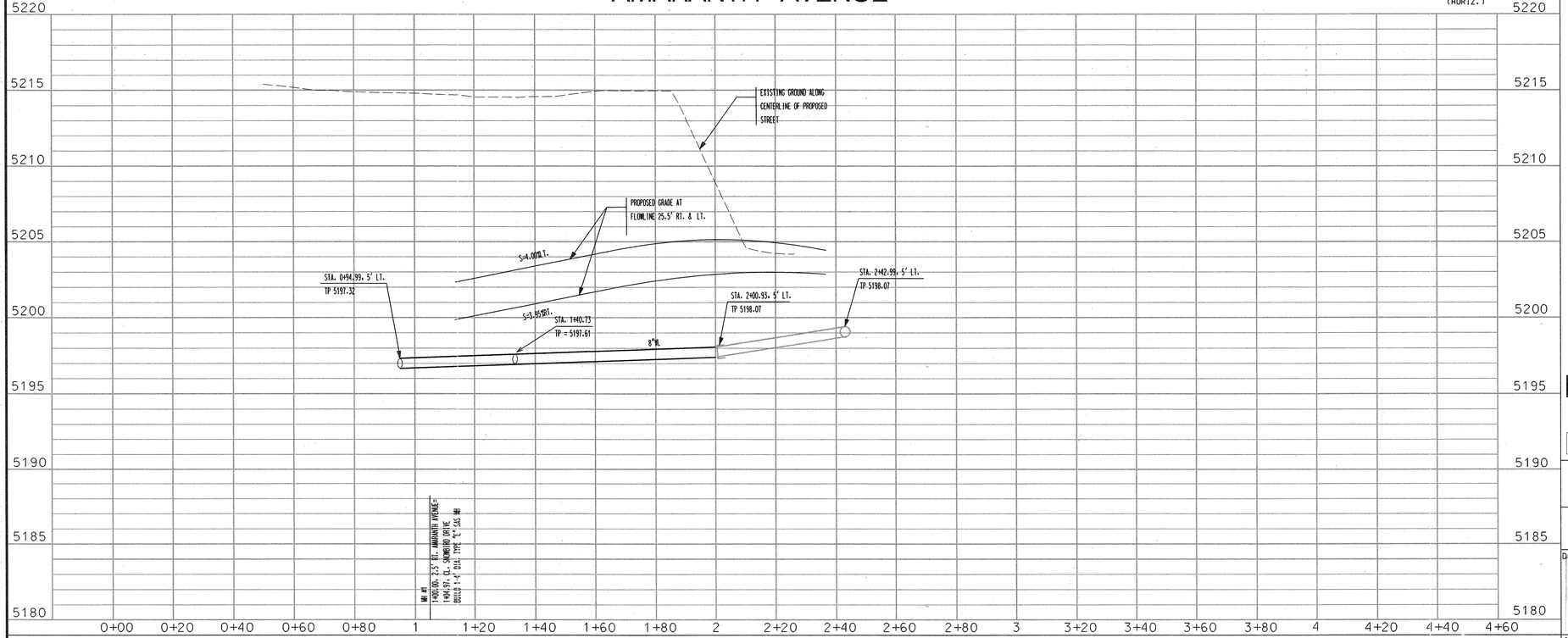
11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

N

20 10 0 20
SCALE: 1" = 20'
(HORIZ.)

AMARANTH AVENUE



SCALE: 1" = 20' (HORIZ.)
1" = 4' (VERT.)

AS-BUILT INFORMATION	
CONTRACTOR	Sundance 8/8/09
WORK STAKED BY	JLS, Inc. 8/8/09
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	JLS, Inc. DATE 8/8/09
DRAWINGS CORRECTED BY	JLS, Inc. DATE 8/20/09
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS	
TMB NO. 205	
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL	
ELEV. 5110.55	

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL
JOHN C. ALEXANDER NEW MEXICO 13478 REGISTERED PROFESSIONAL ENGINEER
8-15-09

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	JCA/CMG	09/98
DRAWN BY	PEG/GGG	09/98
CHECKED BY	JCA	09/98

Bohannan ▲ Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

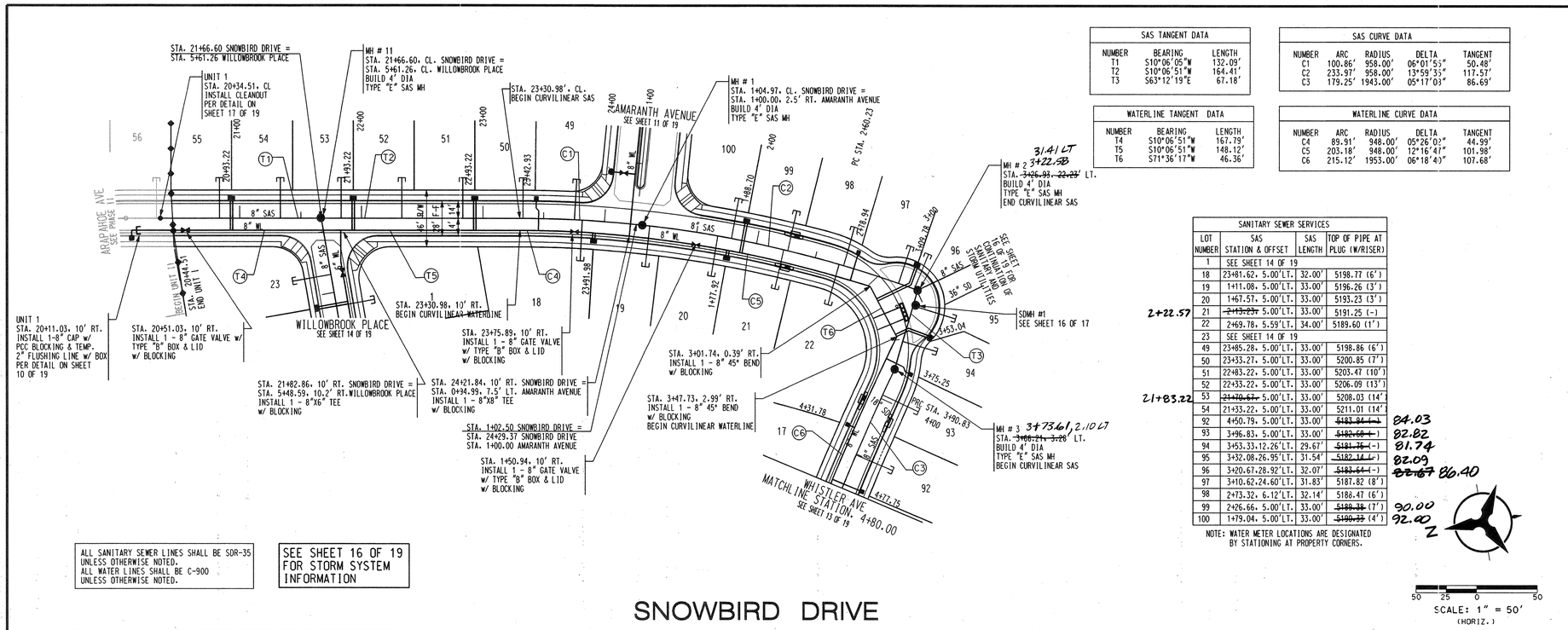
WHISLTER AT SEVEN BAR NORTH UNIT I
UTILITY PLAN & PROFILE
AMARANTH AVENUE

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5752.82	A-13	11	19

P:\BHI-MAIN\PROJECTS\94250\CDP\PNP
94250UPNP01.DGN

BHI JOB NO. 98161A05



SAS TANGENT DATA		
NUMBER	BEARING	LENGTH
T1	S10°06'05"W	132.09'
T2	S10°06'51"W	164.41'
T3	S63°12'19"E	67.18'

WATERLINE TANGENT DATA		
NUMBER	BEARING	LENGTH
T4	S10°06'51"W	167.79'
T5	S10°06'51"W	148.12'
T6	S71°36'17"W	46.36'

SAS CURVE DATA				
NUMBER	ARC	RADIUS	DELTA	TANGENT
C1	100.86'	958.00'	06°01'53"	50.48'
C2	233.97'	958.00'	13°59'35"	117.57'
C3	179.25'	1943.00'	05°17'03"	86.69'

WATERLINE CURVE DATA				
NUMBER	ARC	RADIUS	DELTA	TANGENT
C4	89.91'	948.00'	05°26'02"	44.99'
C5	203.18'	948.00'	12°16'47"	101.98'
C6	215.12'	1953.00'	06°18'40"	107.68'

SANITARY SEWER SERVICES				
LOT NUMBER	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)	
1	SEE SHEET 14 OF 19			
18	23+81.62. 5.00'LT.	32.00'	5198.77 (6')	
19	1+11.08. 5.00'LT.	33.00'	5196.26 (3')	
20	1+67.57. 5.00'LT.	33.00'	5193.23 (3')	
21	~~2+13.23~~ 5.00'LT.	33.00'	5191.25 (-)	2+22.57
22	2+69.78. 5.59'LT.	34.00'	5189.60 (1')	
23	SEE SHEET 14 OF 19			
49	23+85.28. 5.00'LT.	33.00'	5198.86 (6')	
50	23+33.27. 5.00'LT.	33.00'	5200.85 (7')	
51	22+83.22. 5.00'LT.	33.00'	5203.47 (10')	
52	22+33.22. 5.00'LT.	33.00'	5206.09 (13')	
53	~~21+70.67~~ 5.00'LT.	33.00'	5208.03 (14')	21+83.22
54	21+33.22. 5.00'LT.	33.00'	5211.01 (14')	
92	4+50.79. 5.00'LT.	33.00'	~~5183.94 (-)~~	84.03
93	3+96.83. 5.00'LT.	33.00'	~~5182.68 (-)~~	82.82
94	3+53.33.12.26'LT.	29.67'	~~5181.75 (-)~~	81.74
95	3+32.08.26.95'LT.	31.54'	~~5182.14 (-)~~	82.09
96	3+20.67.28.92'LT.	32.07'	~~5183.64 (-)~~	~~82.67~~ 86.40
97	3+10.62.24.60'LT.	31.83'	5187.82 (8')	
98	2+73.32. 6.12'LT.	32.14'	5188.47 (6')	
99	2+26.66. 5.00'LT.	33.00'	~~5189.38~~ (7')	90.00
100	1+79.04. 5.00'LT.	33.00'	~~5190.35~~ (4')	92.00

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

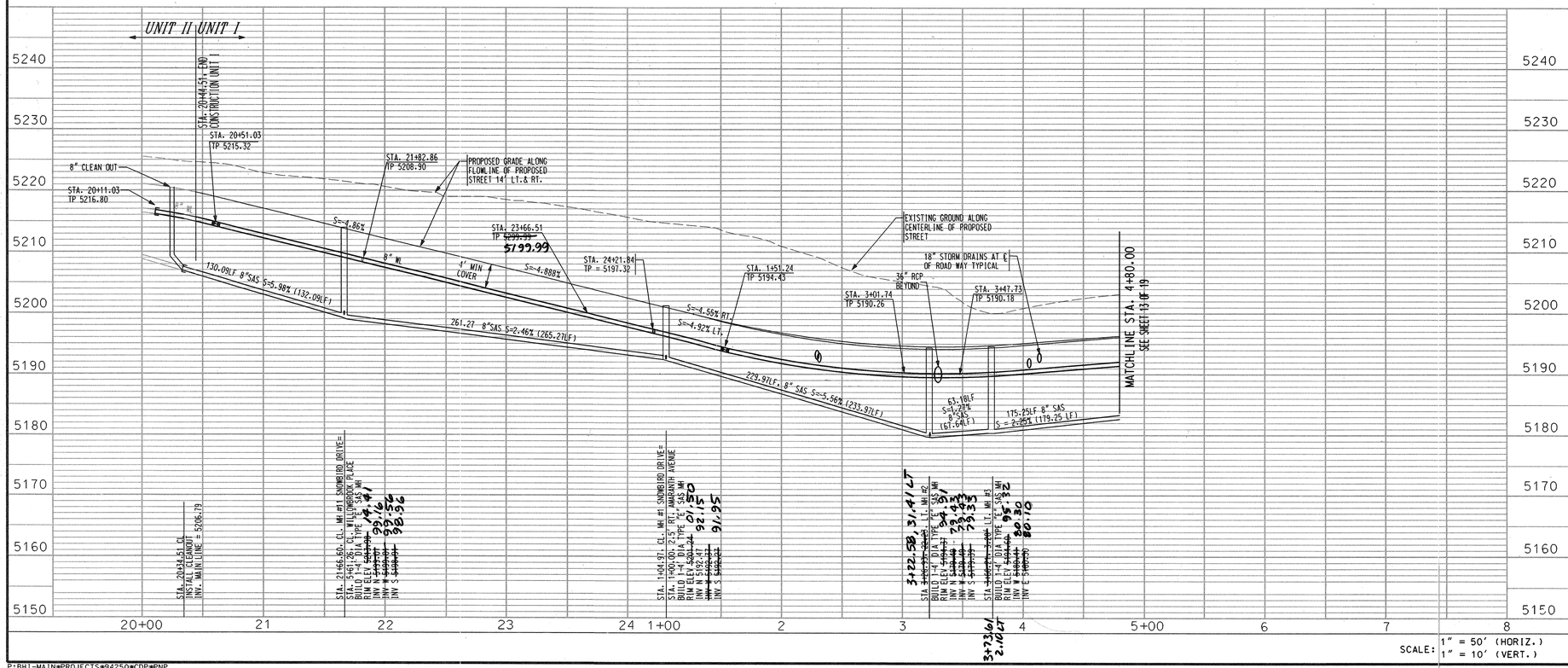
ALL SANITARY SEWER LINES SHALL BE SDR-35 UNLESS OTHERWISE NOTED. ALL WATER LINES SHALL BE C-900 UNLESS OTHERWISE NOTED.

SEE SHEET 16 OF 19 FOR STORM SYSTEM INFORMATION

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' 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" X 4" X 5' POST AND EMD 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 & 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).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

SNOWBIRD DRIVE



P:BHI-MAIN\PROJECTS\94250\CDP\PNP 94250UPNP02.DGN

BHI JOB NO. 98161A1-02

AS-BUILT INFORMATION
CONTRACTOR Sundance
STAKED BY CHS, INC. DATE 09/98
WORK INSPECTED BY HS, INC DATE 09/98
ACCEPTANCE BY
FIELD VERIFICATION BY HS, INC DATE 09/98
DRAWINGS CORRECTED BY HS, INC DATE 09/98
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
TBM NO. 205
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE EAST WALL.
ELEV. 5110.55

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JOHN C. ALEXANDER NEW MEXICO 13476 REGISTERED PROFESSIONAL ENGINEER 9-15-98

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY JCA/CMG DATE 09/98
DRAWN BY PEG/GGG DATE 09/98
CHECKED BY JCA DATE 09/98

Bohannan ▲ Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH UNIT I
UTILITY PLAN & PROFILE
SNOWBIRD DRIVE /WHISTLER AVENUE

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5752.82	A-13	12	19

SANITARY SEWER SERVICES			
LOT NUMBER	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
10	7+60.10, 5.00'LT.	38.00'	5193.41(11')
11	7+10.64, 5.00'LT.	38.00'	5193.03(11')
12	6+61.56, 5.00'LT.	38.00'	5192.66(8')
13	6+12.39, 5.00'LT.	38.00'	5192.72(9')
17	SEE SHEET 14 OF 19		
32	9+28.60, 5.00'RT.	28.00'	5193.80(11')
33	9+63.66, 5.00'RT.	28.00'	5199.41(7')
81	9+55.07, 5.00'RT.	38.00'	5198.79(6')
82	9+19.01, 5.00'RT.	38.00'	5196.55(7')

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

WATERLINE CURVE DATA				
NUMBER	ARC	RADIUS	DELTA	TANGENT
C3	215.12'	1953.00'	06°18'40"	107.67'
C4	306.34'	1952.99'	08°59'14"	153.46'

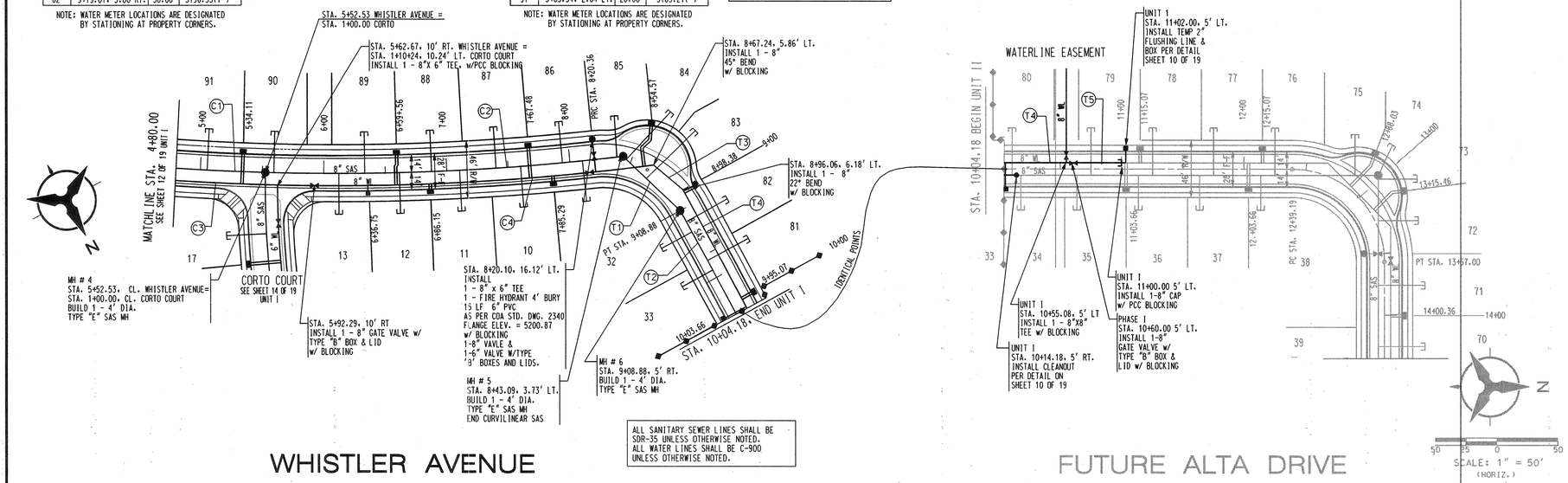
SAS CURVE DATA				
NUMBER	ARC	RADIUS	DELTA	TANGENT
C1	179.25'	1943.00'	05°17'08"	89.69'
C2	291.33'	1943.00'	08°35'27"	145.94'

SANITARY SEWER SERVICES			
LOT NUMBER	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
83	8+68.03, 4.78'RT.	53.38'	5194.67(7')
84	8+53.23, 0.94'LT.	50.64'	5193.52(7')
85	8+35.00, 8.50'LT.	29.27'	5188.31(-)
86	7+94.00, 5.00'LT.	28.00'	5187.93(-)
87	7+40.25, 5.00'LT.	28.00'	5187.52(-)
88	6+87.62, 5.00'LT.	28.00'	5187.11(-)
89	6+33.34, 5.00'LT.	28.00'	5186.70(-)
90	5+59.32, 5.00'LT.	28.00'	5186.20(-)
91	5+05.54, 2.64'LT.	28.00'	5185.21(-)

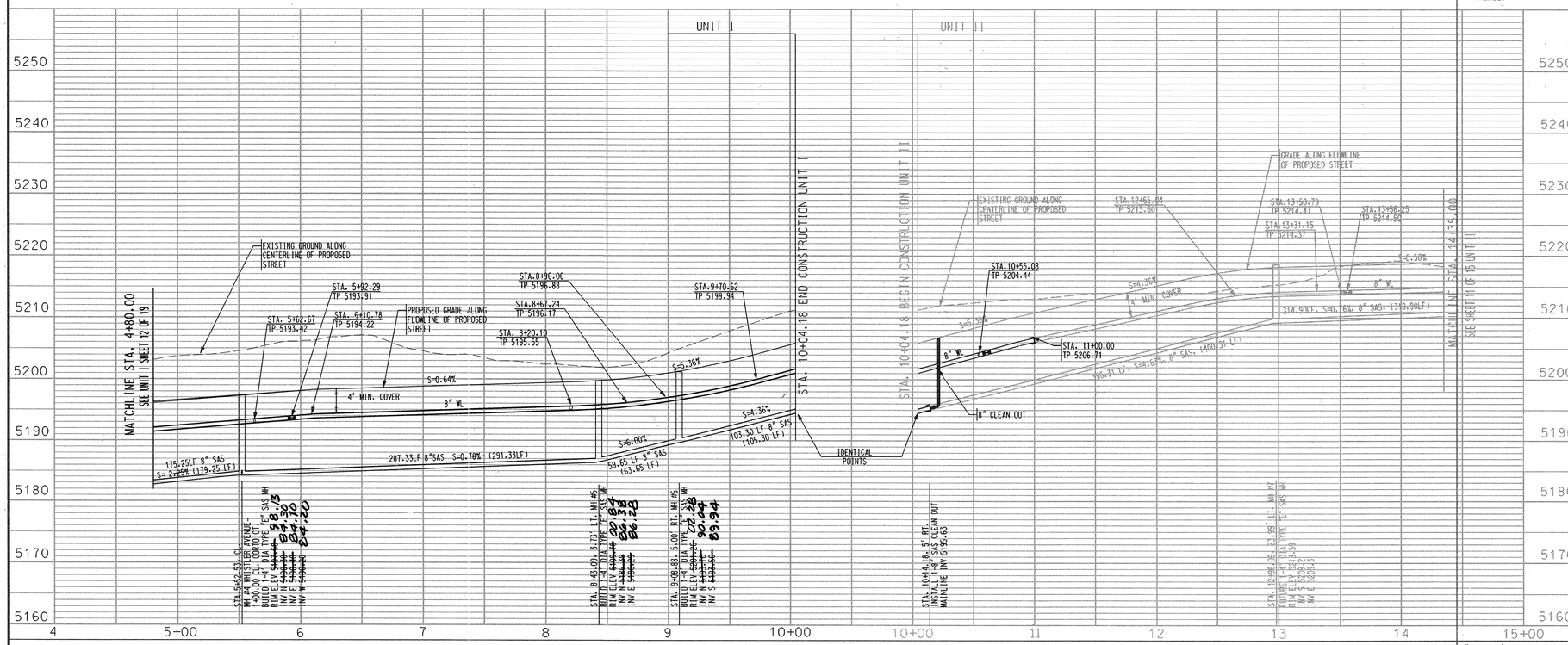
NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

SAS TANGENT DATA		
NUMBER	BEARING	LENGTH
T1	S17°52'37"E	63.65'
T2	S00°06'51"W	105.30'

WATERLINE TANGENT DATA		
NUMBER	BEARING	LENGTH
T3	S21°15'43"E	30.95'
T4	N00°06'51"E	159.00'
T5	N00°06'51"E	44.93'



ALL SANITARY SEWER LINES SHALL BE SDR-35 UNLESS OTHERWISE NOTED. ALL WATER LINES SHALL BE C-900 UNLESS OTHERWISE NOTED.



NOTES

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12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

AS-BUILT INFORMATION
CONTRACTOR Sundance
WORK STAKED BY HJS, inc 9/8/99
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY HJS, inc DATE 9/9/99
DRAWINGS CORRECTED BY HJS, inc DATE 9/9/99
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
TBM NO. 205
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.
ELEV. 5110.55

ENGINEER'S SEAL
JOHN C. ALEXANDER NEW MEXICO (5478) REGISTERED PROFESSIONAL ENGINEER 9-15-99

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY JCA/CMG DATE 09/98
DRAWN BY PEG/GGG DATE 09/98
CHECKED BY JCA DATE 09/98

Bohannan ▲ Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH UNIT I
UTILITY PLAN & PROFILE
WHISTLER AVENUE & ALTA DRIVE

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5752.82	A-13	13	19

BHI JOB NO. 98161A05

P:\BHI-MAIN\PROJECTS\94250\CDP\PNP
94250UPNP03.DGN

SANITARY SEWER SERVICES			
LOT NUMBER	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
14	2+76.02.CL.	32.00'	5203.77 (14')
15	2+30.08.CL.	32.00'	5200.41 (11')
16	1+82.83.CL.	32.00'	5196.37 (10')
17	1+49.61.CL.	32.00'	5193.37 (14')

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

WATERLINE CURVE DATA				
NUMBER	ARC	RADIUS	DELTA	TANGENT
C2	204.15'	702.00'	16°32'40"	102.79'

SAS CURVE DATA				
NUMBER	ARC	RADIUS	DELTA	TANGENT
C1	175.01'	712.00'	14°09' 49"	88.46'

WATERLINE TANGENT DATA		
NUMBER	BEARING	LENGTH
T1	S36°08'14"E	12.86'

SANITARY SEWER SERVICES			
LOT NUMBER	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
1	3+88.71.CL.	32.00'	5208.11(13')
2	2+88.70.CL.	32.00'	5208.46(13')
3	2+88.70.CL.	32.00'	5208.81(13')
4	2+38.70.CL.	32.00'	5209.16(13')
5	1+88.70.CL.	32.00'	5210.19(13')
6	1+38.70.CL.	32.00'	5210.54(13')
7	0+88.70.CL.	49.66'	5204.59(-)
8	1+53.37.CL.	68.23'	5205.30(-)
9	1+53.37.CL.	58.27'	5205.12(-)

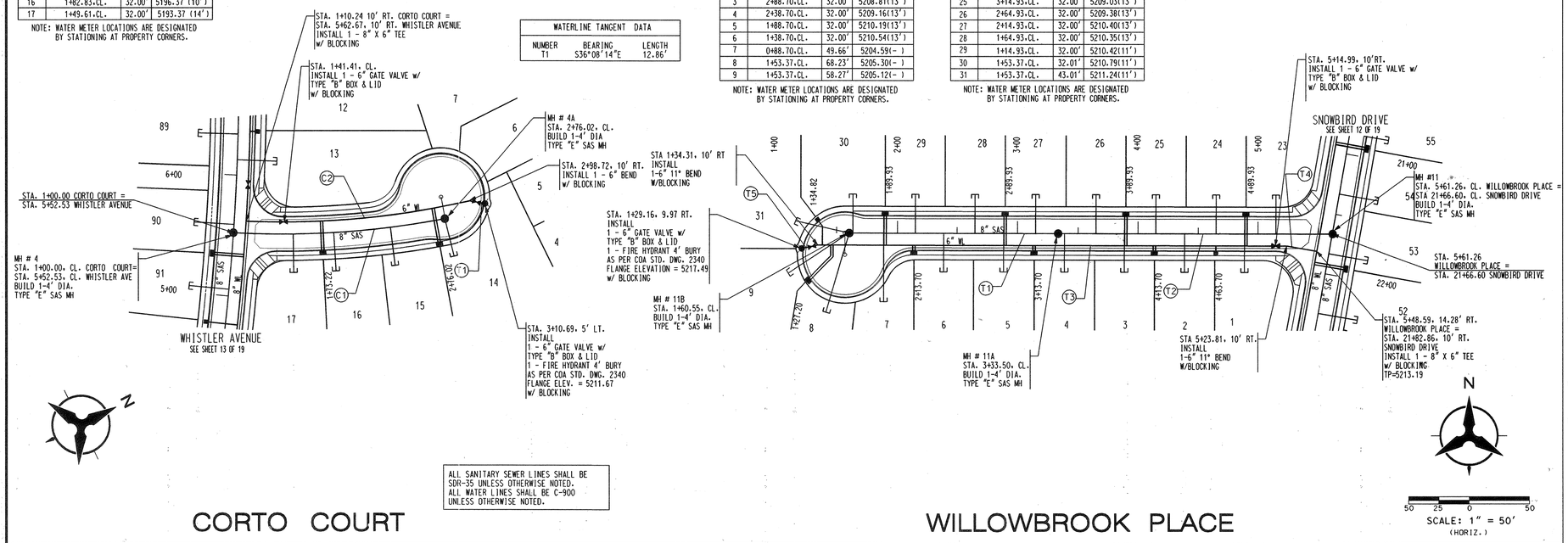
NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

SANITARY SEWER SERVICES			
LOT NUMBER	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
23	4+14.93.CL.	32.00'	5209.01(14')
24	3+64.93.CL.	32.00'	5209.36(14')
25	3+14.93.CL.	32.00'	5209.03(13')
26	2+64.93.CL.	32.00'	5209.38(13')
27	2+14.93.CL.	32.00'	5210.40(13')
28	1+64.93.CL.	32.00'	5210.35(13')
29	1+14.93.CL.	32.00'	5210.42(11')
30	1+53.37.CL.	32.01'	5210.79(11')
31	1+53.37.CL.	43.01'	5211.24(11')

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

SAS TANGENT DATA		
NUMBER	BEARING	LENGTH
T1	S89°53'09"E	176.53'
T2	S89°53'09"E	228.14'

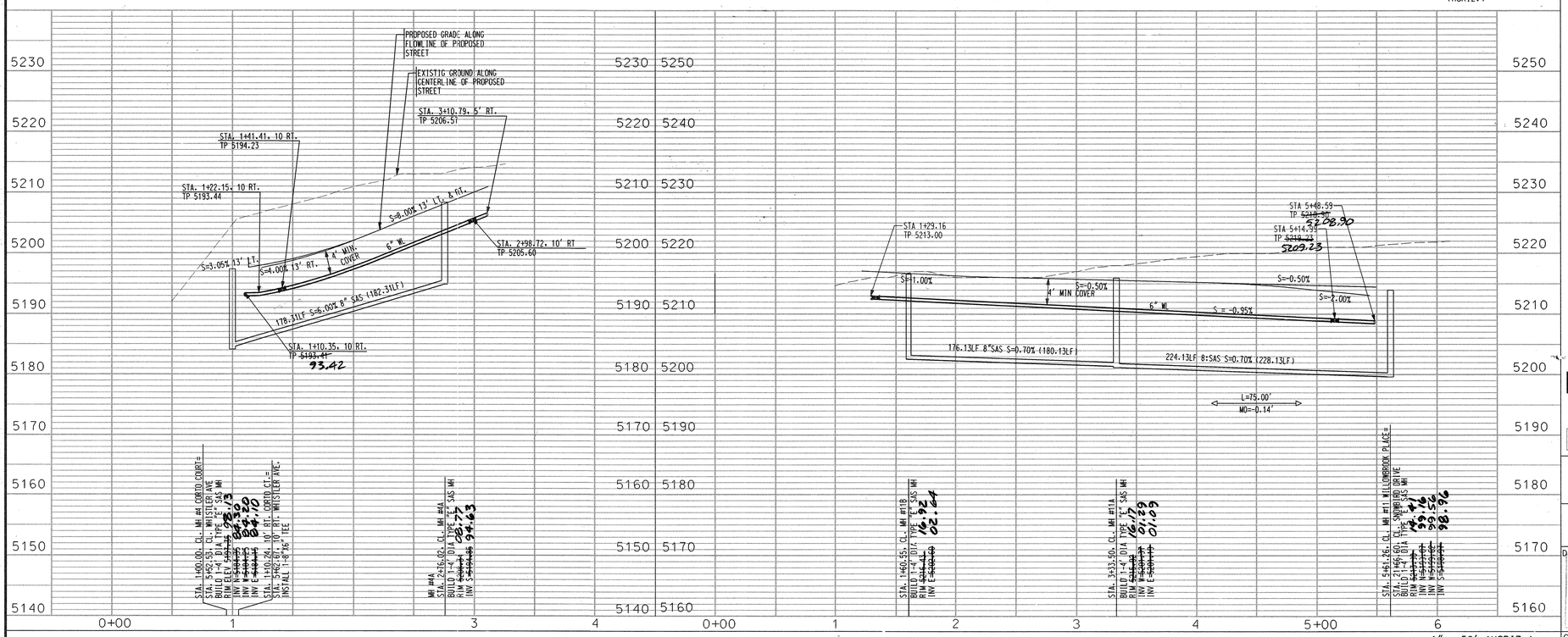
WATERLINE TANGENT DATA		
NUMBER	BEARING	LENGTH
T3	S89°53'09"E	396.41'
T4	N80°53'09"E	25.15'
T5	N78°03'09"E	13.85'



ALL SANITARY SEWER LINES SHALL BE SDR-35 UNLESS OTHERWISE NOTED. ALL WATER LINES SHALL BE C-900 UNLESS OTHERWISE NOTED.

CORTO COURT

WILLOWBROOK PLACE



NOTES

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2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
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12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

AS-BUILT INFORMATION

CONTRACTOR Sundance
WORK STAKED BY AIS, INC 9/8/99
FIELD VERIFICATION BY AIS, INC DATE 9/9/99
ACCEPTANCE BY DATE
FIELD LOCATION BY AIS, INC DATE 9/9/99
DRAWINGS CORRECTED BY AIS, INC DATE 9/9/99
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
TBM NO. 205
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.
ELEV. 5110.55

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JOHN C. ALEXANDER NEW MEXICO 13476 REGISTERED PROFESSIONAL ENGINEER 9-15-98

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY JCA/CMG DATE 09/98
DRAWN BY PEG/GGG DATE 09/98
CHECKED BY JCA DATE 09/98

Bohannan ▲ Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH UNIT I
UTILITY PLAN & PROFILE
CORTO COURT /WILLOWBROOK PLACE

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

APPROVED
DESIGN REVIEW COMMITTEE

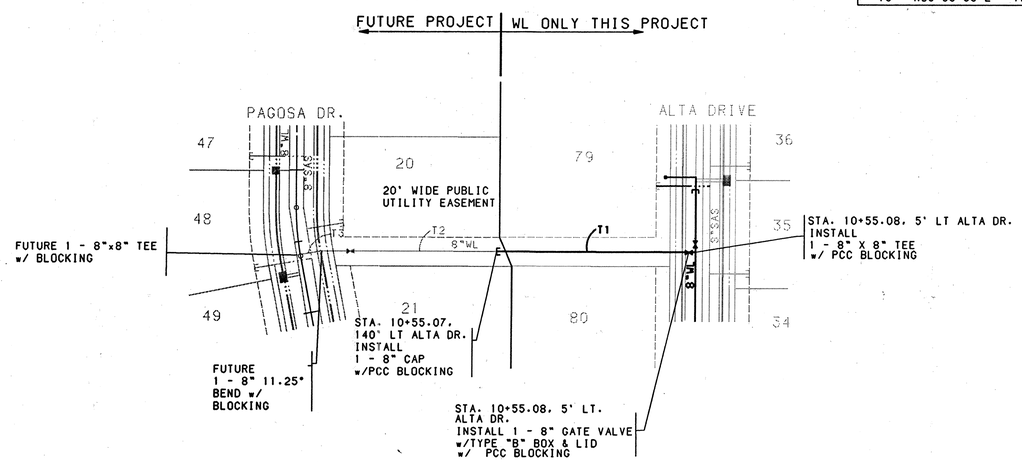
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5752.82	A-13	14	19

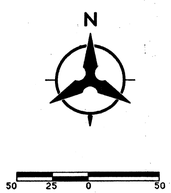
P:\BHI-MAIN\PROJECTS\94250\CDP\PNP 94250UPP\P05.DGN

BHI JOB NO. 98161A05

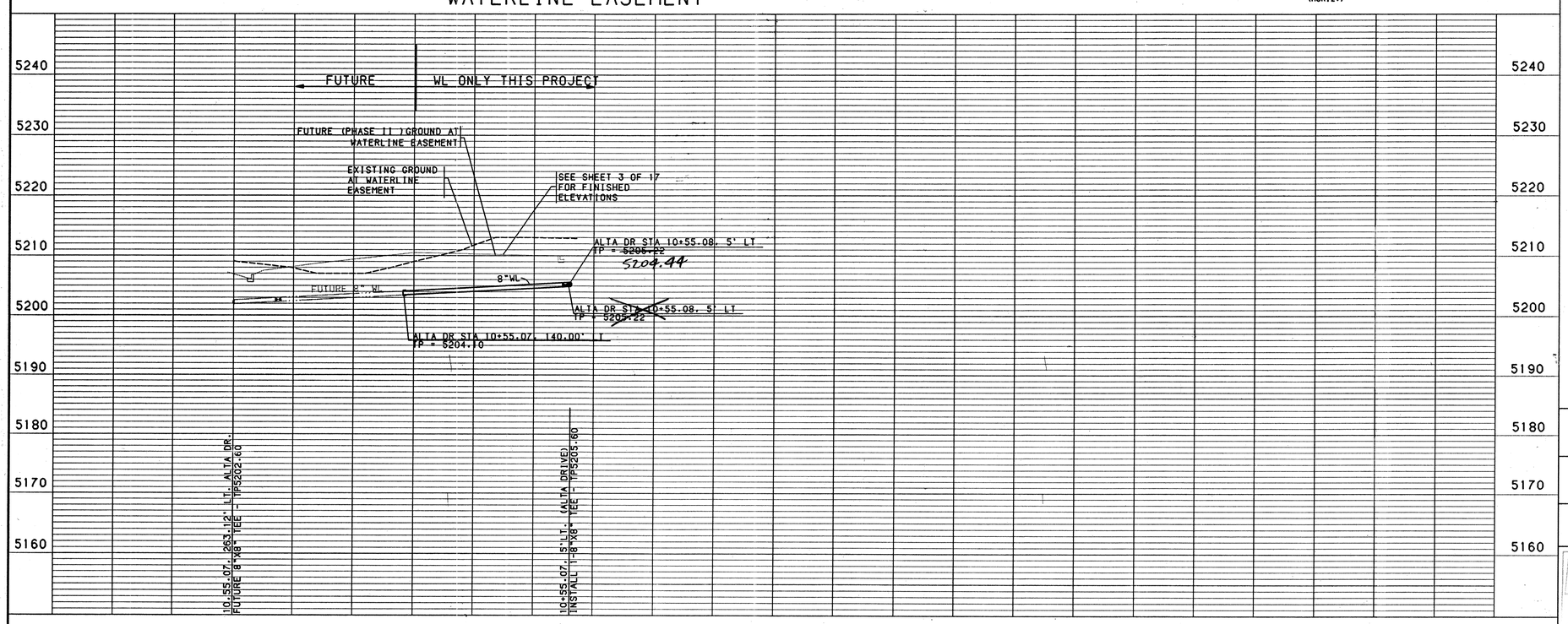
DATE: SEPTEMBER. 1998

WL TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	S89°53'09"E	140.00'
T2	S89°53'09"E	123.12'
T3	N80°35'35"E	17.52'





WATERLINE EASEMENT



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

BHI JOB NO. 98161A05

NOTES

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 FLOW LINE UNLESS OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF CURB 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.

AS-BUILT INFORMATION
CONTRACTOR Sundance
WORK STAKED BY JHS, Inc. 9/8/99 DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY JHS, Inc. DATE 9/99
DRAWINGS CORRECTED BY JHS, Inc. DATE 9/99
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
TBH NO.205
CHISLED "X" LOCATED APPROXIMATELY
459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE THE EAST WALL.
ELEV. 5110.55

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JOHN C. ALEXANDER
NEW MEXICO
13476
REGISTERED PROFESSIONAL ENGINEER
9-15-98

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

		DATE
DESIGNED BY	JCA	09/98
DRAWN BY	CMG	09/98
CHECKED BY	JCA	09/98

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH UNIT I
UTILITY PLAN & PROFILE
WATERLINE EASEMENT

APPROVED SEP 24 1998 DRAINAGE REVIEW COMMITTEE

CITY ENGINEER APPROVAL

LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

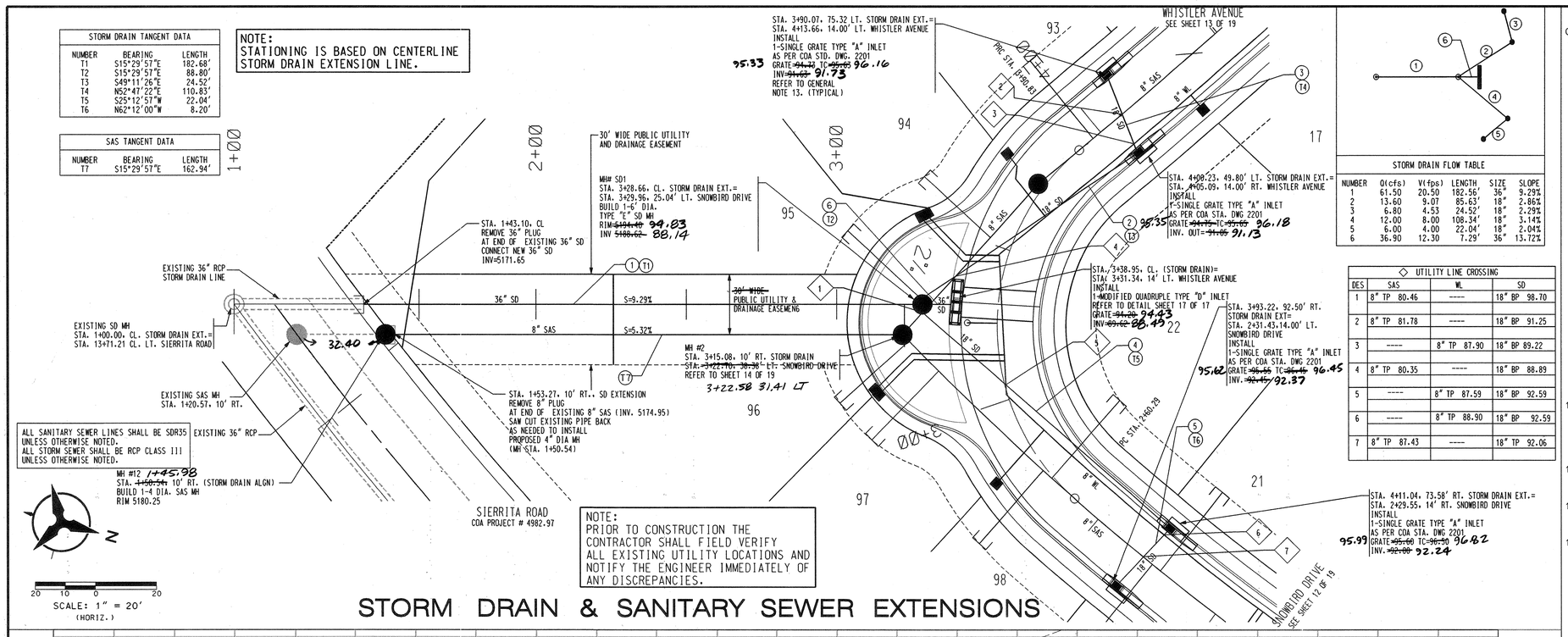
COA PROJECT No. 5752.82 | ZONE MAP NO. A-13 | SHEET 15 OF 19

CDP:[CC9425040.PADJUNIT91-WL-EASEMEMT.GRF

STORM DRAIN TANGENT DATA		
NUMBER	BEARING	LENGTH
T1	S15°29'57"E	182.68'
T2	S15°29'57"E	88.80'
T3	S49°11'26"E	24.52'
T4	N52°47'22"E	110.83'
T5	S25°12'57"W	22.04'
T6	N62°12'00"W	8.20'

SAS TANGENT DATA		
NUMBER	BEARING	LENGTH
T7	S15°29'57"E	162.94'

NOTE:
STATIONING IS BASED ON CENTERLINE STORM DRAIN EXTENSION LINE.



STORM DRAIN FLOW TABLE						
NUMBER	Q(cfs)	V(fps)	LENGTH	SIZE	SLOPE
1	61.50	20.50	182.56'	36"	9.29%
2	13.60	9.07	85.63'	18"	2.86%
3	6.80	4.53	24.52'	18"	2.29%
4	12.00	8.00	108.34'	18"	3.14%
5	6.00	4.00	22.04'	18"	2.04%
6	36.90	12.30	7.29'	36"	13.72%

◇ UTILITY LINE CROSSING			
DES	SAS	WL	SD
1	8" TP 80.46	----	18" BP 98.70
2	8" TP 81.78	----	18" BP 91.25
3	----	8" TP 87.90	18" BP 89.22
4	8" TP 80.35	----	18" BP 88.89
5	----	8" TP 87.59	18" BP 92.59
6	----	8" TP 88.90	18" BP 92.59
7	8" TP 87.43	----	18" TP 92.06

NOTE:
PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

SCALE: 1" = 20'
(HORIZ.)

STORM DRAIN & SANITARY SEWER EXTENSIONS

GENERAL NOTES

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' 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" X 4" X 5' POST AND EMD 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 & 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).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
13. STATIONING AND OFFSETS GIVEN FOR DROP INLETS ARE GIVEN AT CENTER OF GRATE AT FLOWLINE.

AS-BUILT INFORMATION
CONTRACTOR Sundance
WORK STAKED BY J.S. Inc. 9/9/99 DATE
INSPECTOR'S ACCEPTANCE BY J.S. Inc. DATE 9/9/99
FIELD VERIFICATION BY J.S. Inc. DATE 9/9/99
DRAWINGS CORRECTED BY J.S. Inc. DATE 9/9/99
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
TBM NO. 205
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.
ELEV. 5110.55

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JOHN C. ALEXANDER
NEW MEXICO
13478
REGISTERED PROFESSIONAL ENGINEER
9-15-99

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	JCA/CMG	09/98
DRAWN BY	PEG/GGG	09/99
CHECKED BY	JCA	09/98

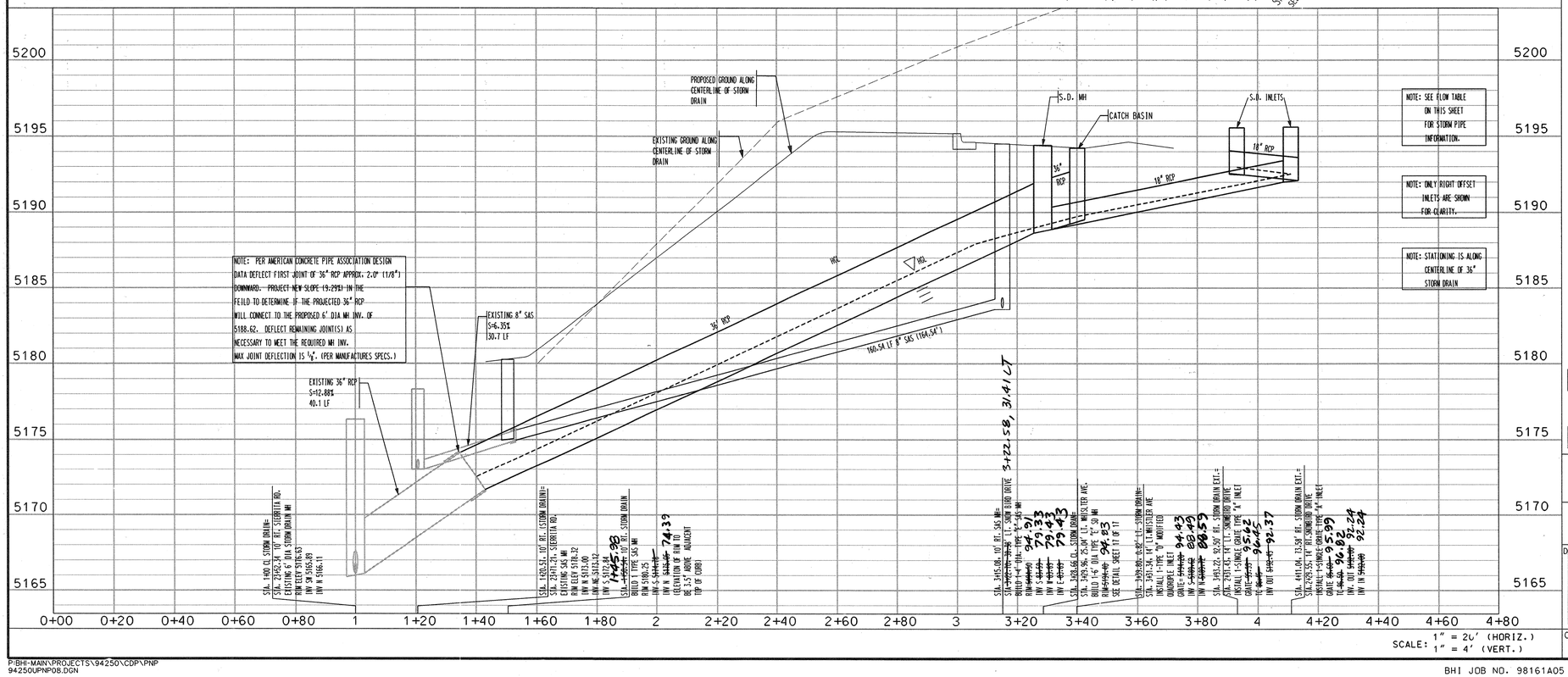
Bohannan ▲ Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH UNIT I
UTILITY PLAN & PROFILE
STORM DRAIN & SANITARY SEWER EXTENSIONS

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

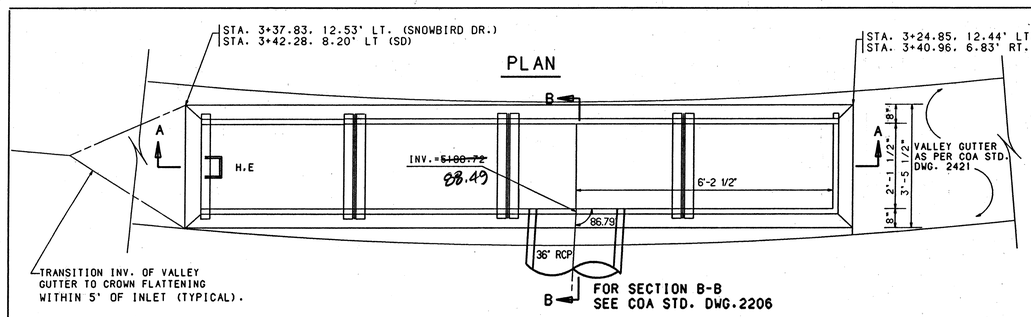
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5752.82	A-13	16	19

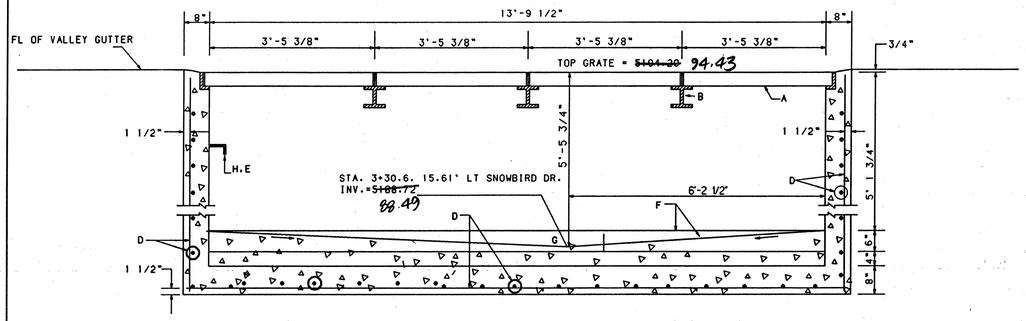


P:BHI-MAIN\PROJECTS\94250\CDP\PNP
94250UPNP08.DGN

BHI JOB NO. 98161A05

DATE: SEPTEMBER.1998





SECTION A-A

GENERAL NOTES:

REFER TO COA STD. DWG. 2206, AUG. 1986

CONSTRUCTION NOTES:

A. FRAME & GRATE

B. CENTER SUPPORT ASSEMBLY.

C. CUT ONE HORIZONTAL AND ONE VERTICAL BAR MAX. AT PIPE OPENING. (SEE SECTION B-B ON COA STD. DWG. 2206).

D. NO.4 BARS AT 6" O.C. EACH WAY.

E USE STANDARD STEPS. SEE DWG.2229.

F. CONC. FILL. SEE NOTE C. DWG. 2201

G. INVERT PER DESIGN

H. INSTALL STEPS ON DOWNSTREAM FACE.

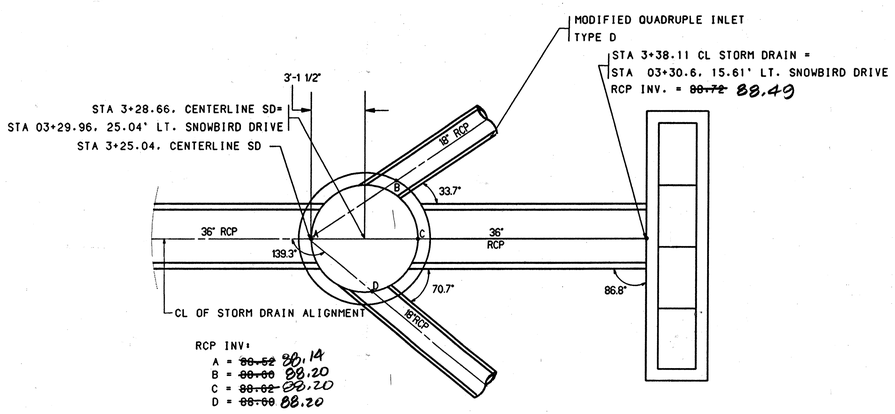
AS REVISED FOR
TRIPLE GRATE TYPE "D" INLET

REFER TO THE CITY OF ALBUQUERQUE

DRAINAGE
STORM INLET TYPE "D"
PLAN AND SECTION A-A
DWG. 2206

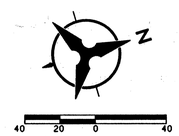
MODIFIED QUADRUPLE GRATE TYPE "D" INLET - (SNOWBIRD DR.)

NO SCALE



SD MANHOLE DETAIL

6' MANHOLE, TYPE E



SCALE: 1" = 40'

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY JCA, CMG DATE 09/98
DRAWN BY JCA DATE 09/98
CHECKED BY JCA DATE 09/98

ENGINEER'S SEAL

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

TBM NO.205
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.
ELEV. 5110.55

AS-BUILT INFORMATION

CONTRACTOR
WORK STAKED BY CHS, INC. DATE 9/8/99
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY CHS, INC DATE 9/9/99
DRAWINGS CORRECTED BY CHS, INC DATE 9/21/99
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH UNIT I
MISC. DETAILS

APPROVED SEP 24 1998 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

COA PROJECT No. 5752.82 | ZONE MAP NO. A-13 | SHEET 17 OF 19

BHI JOB NO. 98160A05

CDP1:CC9425040.PADJ9MISC-DETAILS.GRF

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPERATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

△1 11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

△2 19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE. LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

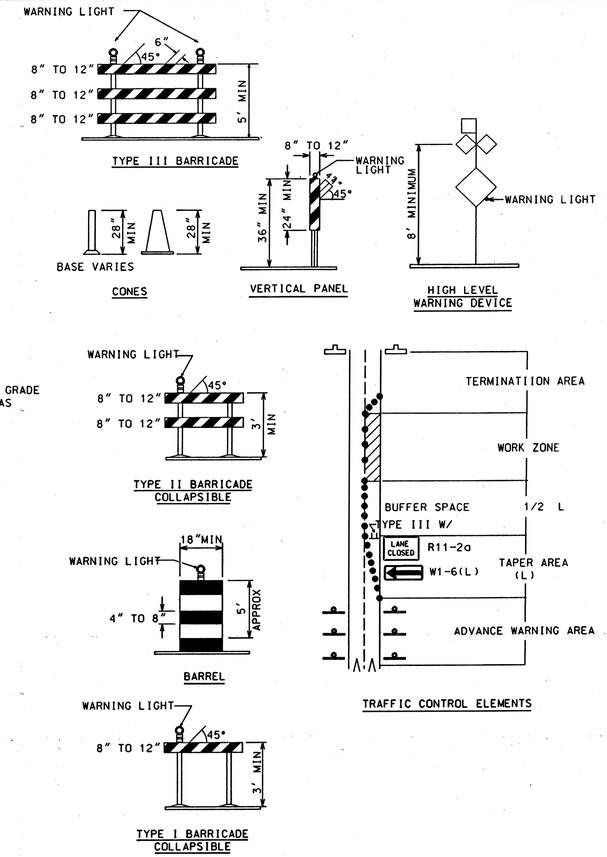
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

△3 26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

△4 27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPTMENT, BOTH PERMANENT AND TEMPORARY.



LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- D — DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- S — SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE STREET LIMIT OF THE STREET
- L — TAPER LENGTH - SEE CHART BELOW

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

TAPER REQUIREMENT

SPEED LIMIT (MPH)	TAPER LENGTH(L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

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

TAPER CRITERIA

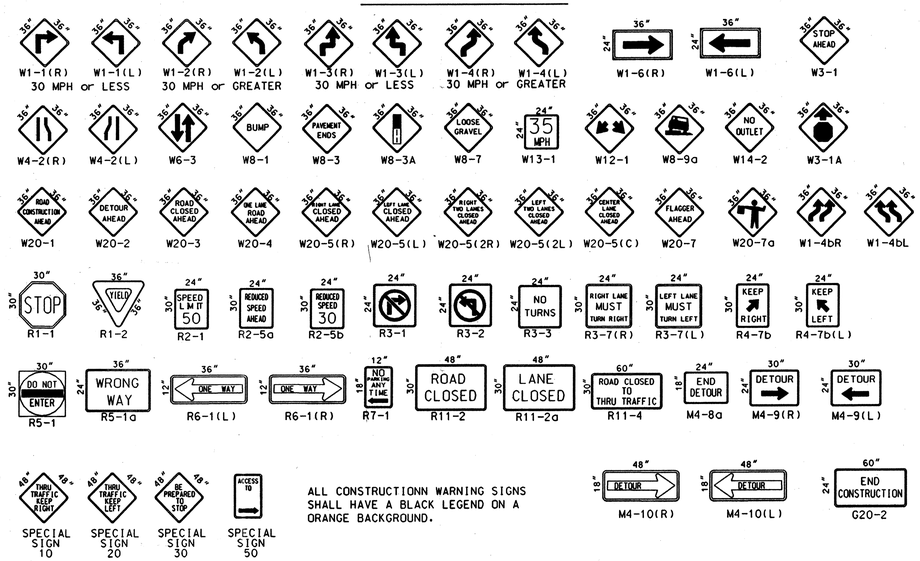
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

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

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

SIGN FACE DETAILS



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

AS-BUILT INFORMATION
CONTRACTOR Sundance
WORK STAKED BY CMS Inc DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY CMS Inc DATE 9/99
DRAWINGS CORRECTED BY CMS Inc DATE 9/99
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL — JOHN C. ALEXANDER, NEW MEXICO 13476, REGISTERED PROFESSIONAL ENGINEER, 9-15-98

NO.	DATE	REMARKS	BY
1	09/25/97	ADD NOTE NO. 27	J.D.L.
2	09/24/97	REVISED NOTE NO. 26	J.D.L.
3	09/24/97	REVISED NOTE NO. 19	J.D.L.
4	09/24/97	REVISED NOTE NO. 11	J.D.L.

REVISIONS
DESIGN

DESIGNED BY BOHANNAN HUSTON DATE 09/98
DRAWN BY BOHANNAN HUSTON DATE 09/98
CHECKED BY BOHANNAN HUSTON DATE 09/98

Bohannan ▲ Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH UNIT I
TRAFFIC CONTROL
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

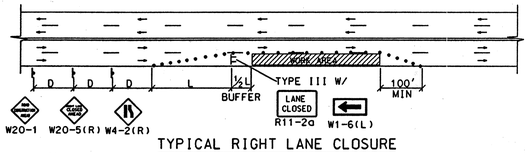
DESIGN REVIEW COMMITTEE — APPROVED SEP 24 1998 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL
LAST DESIGN UPDATE — MO./DAY/YR. — MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5752.82	A -13	18	19

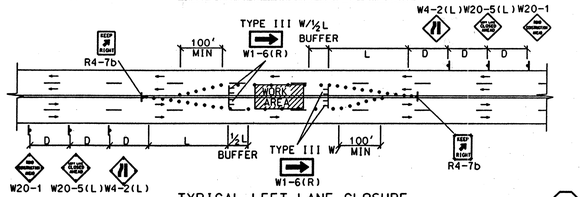
DATE: AUGUST, 1998

BHI JOB NO. 98161A05

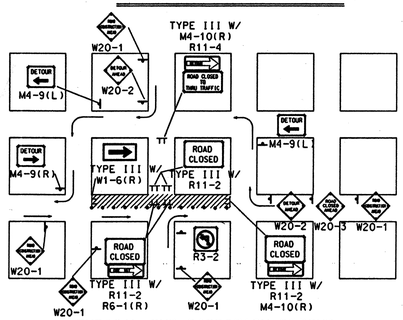
P:BHI-MAIN#PROJECTS#9425#DGN
9425DSIGN1.DGN



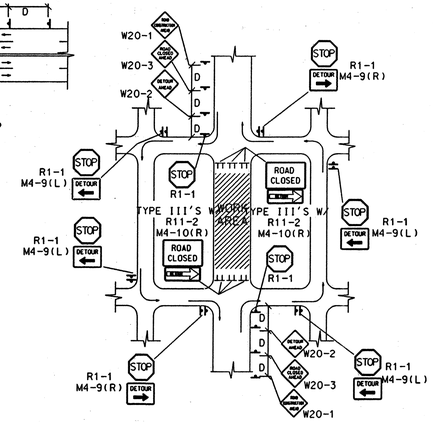
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

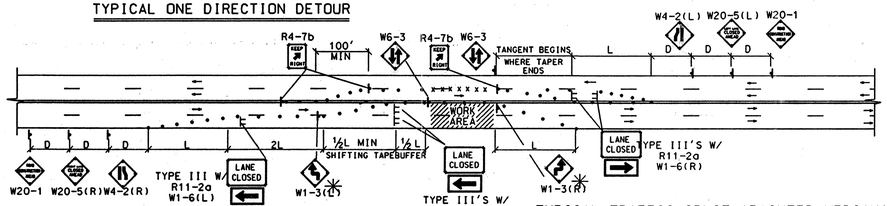


TYPICAL ONE DIRECTION DETOUR

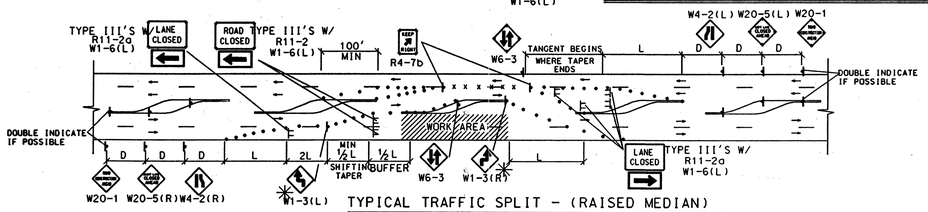


TYPICAL STREET CLOSURE

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



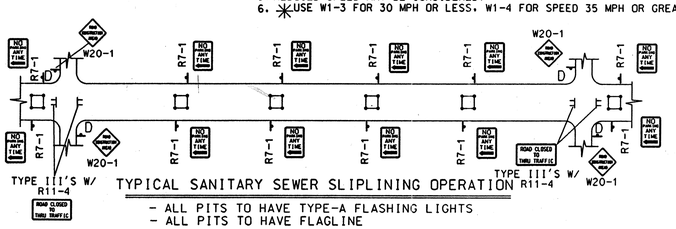
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT - (RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

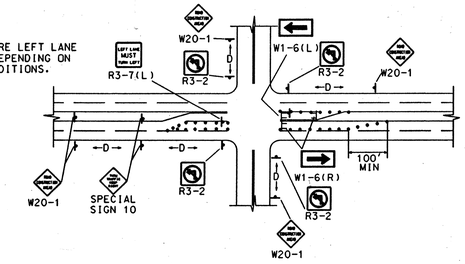
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2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



TYPICAL SANITARY SEWER SLIPLINING OPERATION

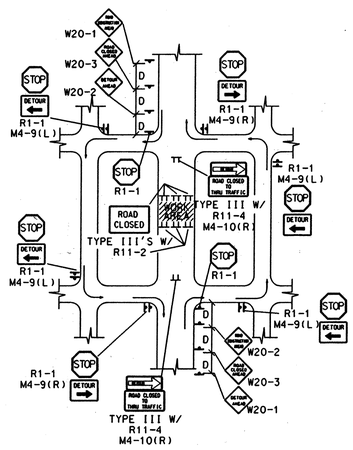
- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

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



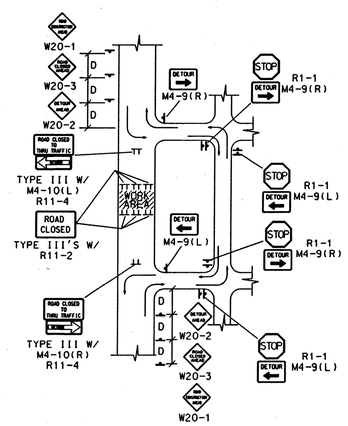
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.



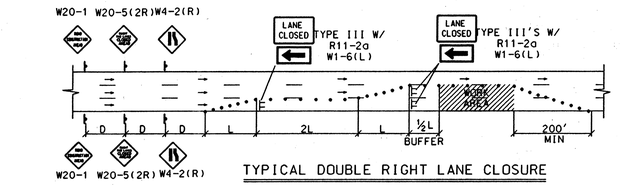
TYPICAL MID-BLOCK CLOSURE

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

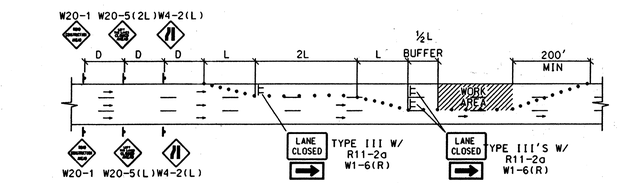


TYPICAL STREET CLOSURE

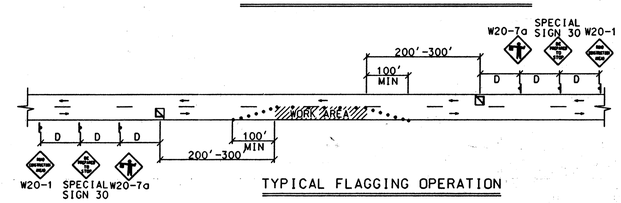
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



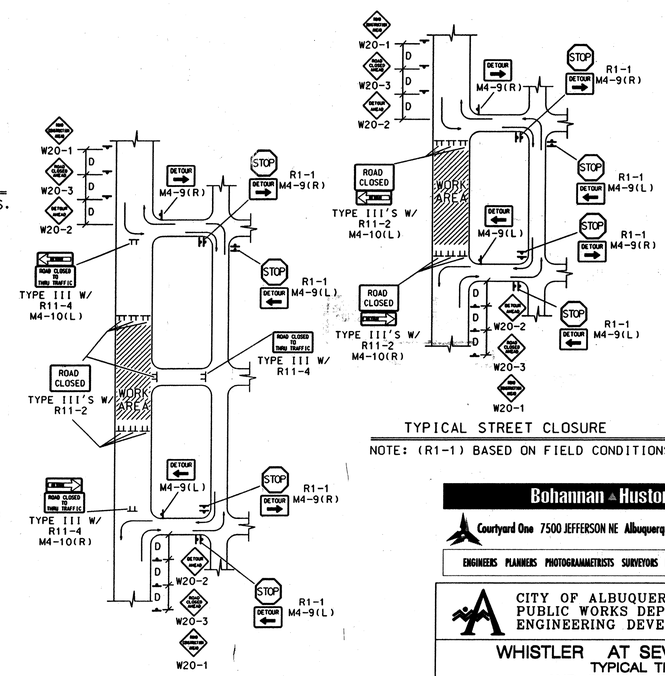
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

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

GENERAL NOTE:

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

⚠ ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

AS-BUILT INFORMATION
CONTRACTOR Sundance
STAKED BY JTS, Inc. 9/99
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFIED BY JTS, Inc. DATE 09/98
DATA PREPARED BY JTS, Inc. DATE 09/98
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS

ENGINEER'S SEAL
JOHN C. ALEXANDER NEW MEXICO 13476 REGISTERED PROFESSIONAL ENGINEER 9-15-98

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

NO.	DATE	REMARKS	BY
1	09/24/97	REVISED NOTE NO. 11	J.D.L.

REVISIONS

DESIGN
DESIGNED BY BOHANNAN HUSTON DATE 09/98
DRAWN BY BOHANNAN HUSTON DATE 09/98
CHECKED BY BOHANNAN HUSTON DATE 09/98

Bohannan ▲ Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WHISTLER AT SEVEN BAR NORTH UNIT I

TYPICAL TRAFFIC CONTROL AND SIGNING EXAMPLES (REF. MUTCD)

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

APPROVED SEP 24 1998 DESIGN REVIEW COMMITTEE

CITY PROJECT NO. 5752.82 | ZONE MAP NO. A -13 | SHEET 19 OF 19

P:BHI-MAIN#PROJECTS#94250#DGN
94250TRAFF1.DGN

BHI JOB NO. 98161A05