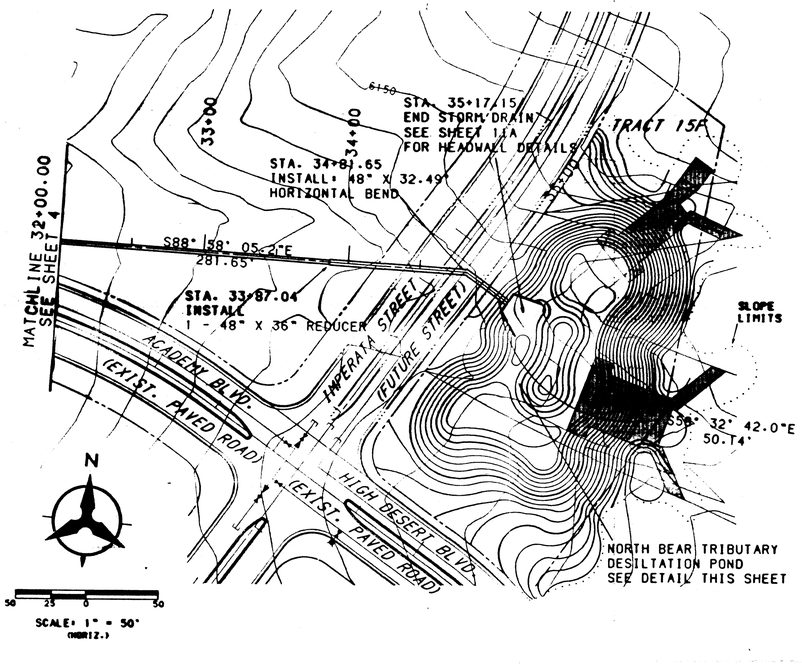
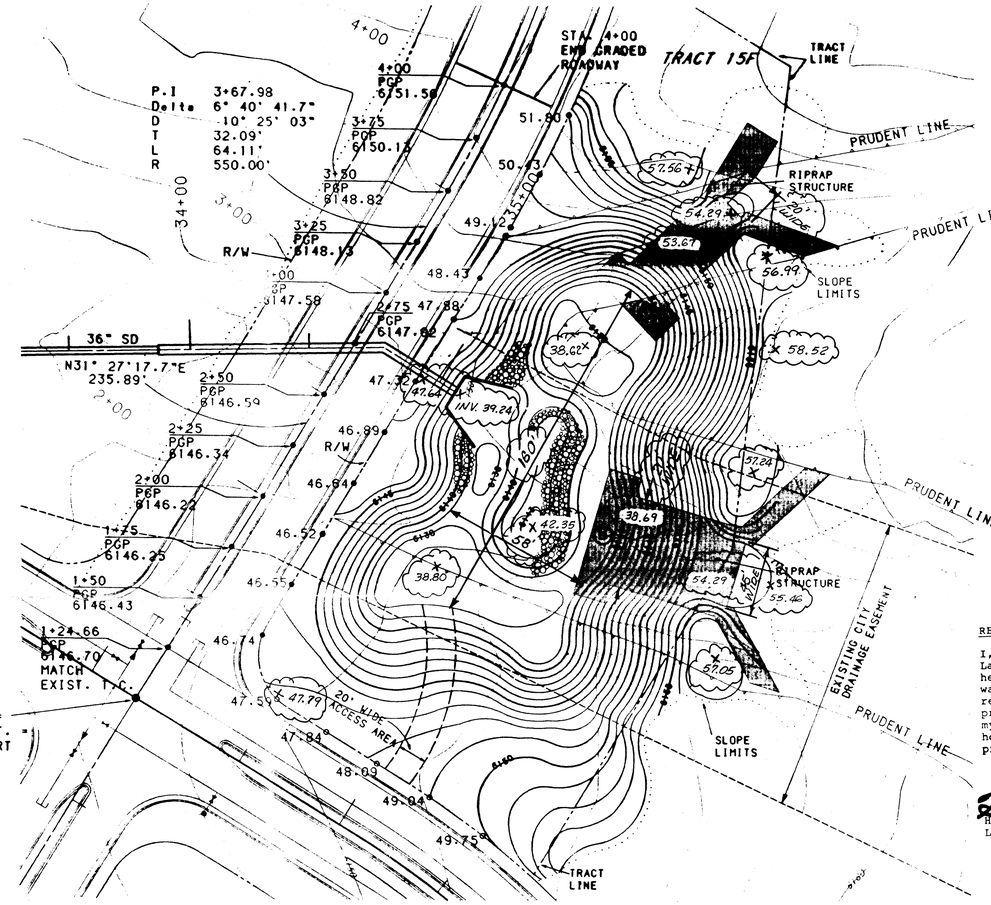
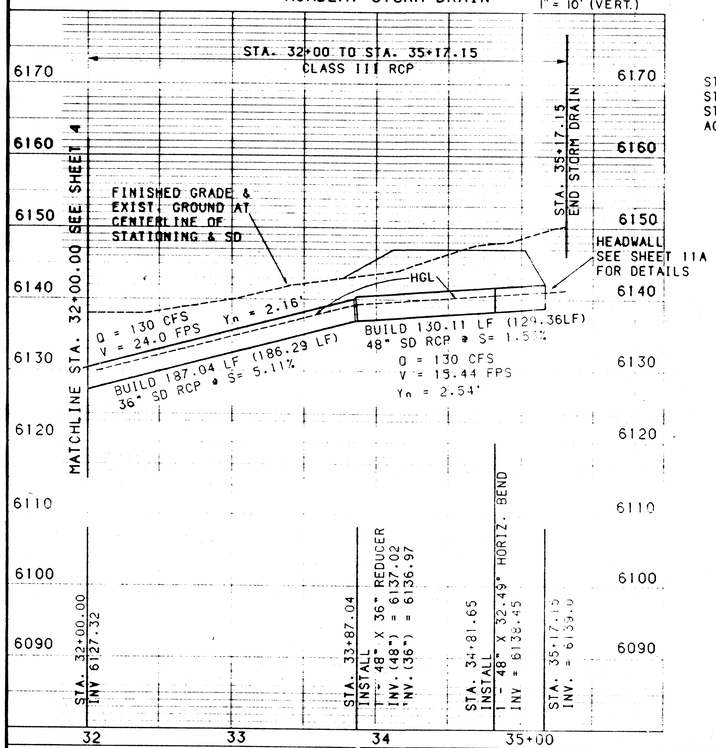




STA. 1+00 IMPERATA ST. =
STA. 1+00 HIGH DESERT ST. =
STA. 33+75.48 - 145.79'RT
ACADEMY STORM DRAIN

ACADEMY STORM DRAIN



USERNAME: HYDRO\CH9421520.PADJ
FILENAME: ACSD4.GRF

NORTH BEAR TRIBUTARY ARROYO DESILTATION POND

SCALE 1"= 30'

Ⓐ STRUCTURE NO. 1
BUILD 12' WIDE TRAPEZOIDAL
RIPRAP LINED RUNDOWN SEE
SHEETS 8A AND 8B FOR DETAILS

Ⓑ STRUCTURE NO.2
BUILD 27' WIDE TRAPEZOIDAL
RIPRAP LINED RUNDOWN SEE
SHEETS 8A AND 8B FOR DETAILS

LIMITS OF WIRE TIED RIPRAP
SLOPE LIMITS
• PROPOSED ELEVATION
○ EXISTING ELEVATION
PRUDENT LINE
BOULDERS
(X) AS-BUILT ELEVATION

DRAINAGE CERTIFICATION

AS-BUILT ELEVATIONS ARE SHOWN ON THE PLAN IN LOCATIONS WHERE THE ORIGINAL DESIGN ELEVATION HAS BEEN CROSSED OUT AND THE NEW ELEVATION IS LISTED, OR BY AN "X" ELEVATIONS PROVIDED BY BOHANNAN-HUSTON INC.

NOTES:

I, JAMES R. TOPMILLER, OF BOHANNAN-HUSTON, INC., A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE EXISTING AND PROPOSED DRAINAGE CONDITIONS OF THIS SITE ARE IN SUBSTANTIAL COMPLIANCE WITH PREVIOUSLY APPROVED PLANS, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

JAMES R. TOPMILLER, P.E.
N.M.R.E. No. 9354
DATE 1/12/96

JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER

DRAINAGE CERTIFICATION NOTES:

1. The drainage certification survey was done approximately six (6) months after the construction of the desiltation ponds. The ponds have been in operation for one rainy season in this time period. As such, some of the pond bottom elevations exceed design elevations. These differences are deemed consistent with one year's (one rainy season) of silt.

NOTE:

BOULDERS SHALL BE PLACED IN ACCORDANCE WITH THE PLANS AND PLAN QUANTITIES AND DIRECTED BY THE PROJECT MANAGER. BOULDERS SHALL BE A MINIMUM OF 6" DIA. AND SHALL BE PLACED IN LAYERS FROM 1.5' TO 2.0' THICK.

QUANTITIES

ITEM DESCRIPTION	QUANTITIES
DUMPED BOULDERS	100CY
WIRE TIED RIPRAP	325CY
GRAVEL FILTER	108CY

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
2C-4809.95 SA 1

NOTES

1. ALL STORM DRAIN SHALL BE CLASS III RCP. UNLESS OTHERWISE NOTED ON THE PLANS.
2. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
3. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
4. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
5. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
6. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
7. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS AMENDED WITH UPDATE #4.
8. STORM DRAIN BUILD NOTE DISTANCES ARE FROM MH TO MH, WYE OR IN LINE VPI. DISTANCES IN PARENTHESIS DENOTE IN TO OUT DISTANCES BETWEEN MH'S WYES OR MATCHLINES, NO DISTANCE DIMENSIONS ARE TO BENDS, UNLESS OTHERWISE NOTED. SLOPES ARE CALCULATED FROM IN TO OUT INVERTS AND DISTANCES.
9. CENTERLINE BEARING DISTANCES ARE FROM BEND TO BEND OR BEND TO MATCHLINE, UNLESS OTHERWISE NOTED.
10. ALL WYES SHALL BE 45° WYES UNLESS OTHERWISE NOTED ON PLANS.

RECORD DRAWING

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

Harvey P. Phillips 7/95
Harvey P. Phillips Date
LS No. 4767

HARVEY P. PHILLIPS NEW MEXICO 4767 REGISTERED PROFESSIONAL LAND SURVEYOR

RECEIVED
JAN 16 1996
HYDROLOGY DIV.

AS-BUILT INFORMATION

BENCH MARKS
The bench mark is a standard USC&GS brass tablet stamped "Tumbleweed 1969" set in concrete located approximately 400 feet west and 35 feet north of the intersection of Tennyson Street and San Antonio Dr. (N.M.)

CONTRACTOR New Concepts Inc.
SURVEYED BY H.P. Phillips DATE 12/94
INSPECTED BY B.M.S. DATE 7/95
DRAWN BY J.S. DATE 7/95
CORRECTED BY A.G. DATE 7/95

MICRO-FILM INFORMATION
Plane coordinates: X=425 465.55 Y=1513 470.01
Ground-to-grid factor 0.99961970
Elevation = 6009.155 (ave)
RECORDED BY: DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

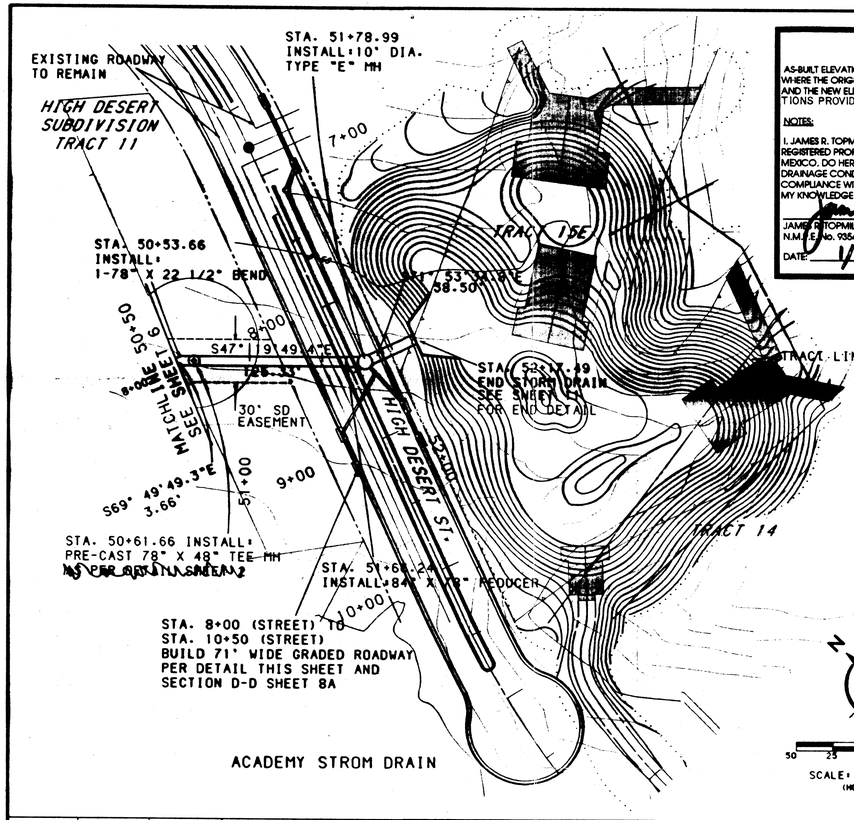
NO.	REMARKS	BY	DATE
	REVISIONS	DESIGNED BY CHH/DEB	DATE 11/94
		DRN BY TONY M.	DATE 11/94
		CHK'D BY MCV/WH	DATE 11/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

HIGH DESERT SUBDIVISION PHASE I-B-1
STORM DRAIN PLAN & PROFILE
ACADEMY STA. 32+00 TO 35+17.15

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		2-23-95	WATER	N/A	
TRANSPORTATION		2-10-95	WASTE WATER		
HYDROLOGY		2-3-95			

DRAWING NO. 4809.95 | MAP NO. E-23 | SHEET 5A OF 11



DRAINAGE CERTIFICATION

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NOTES:

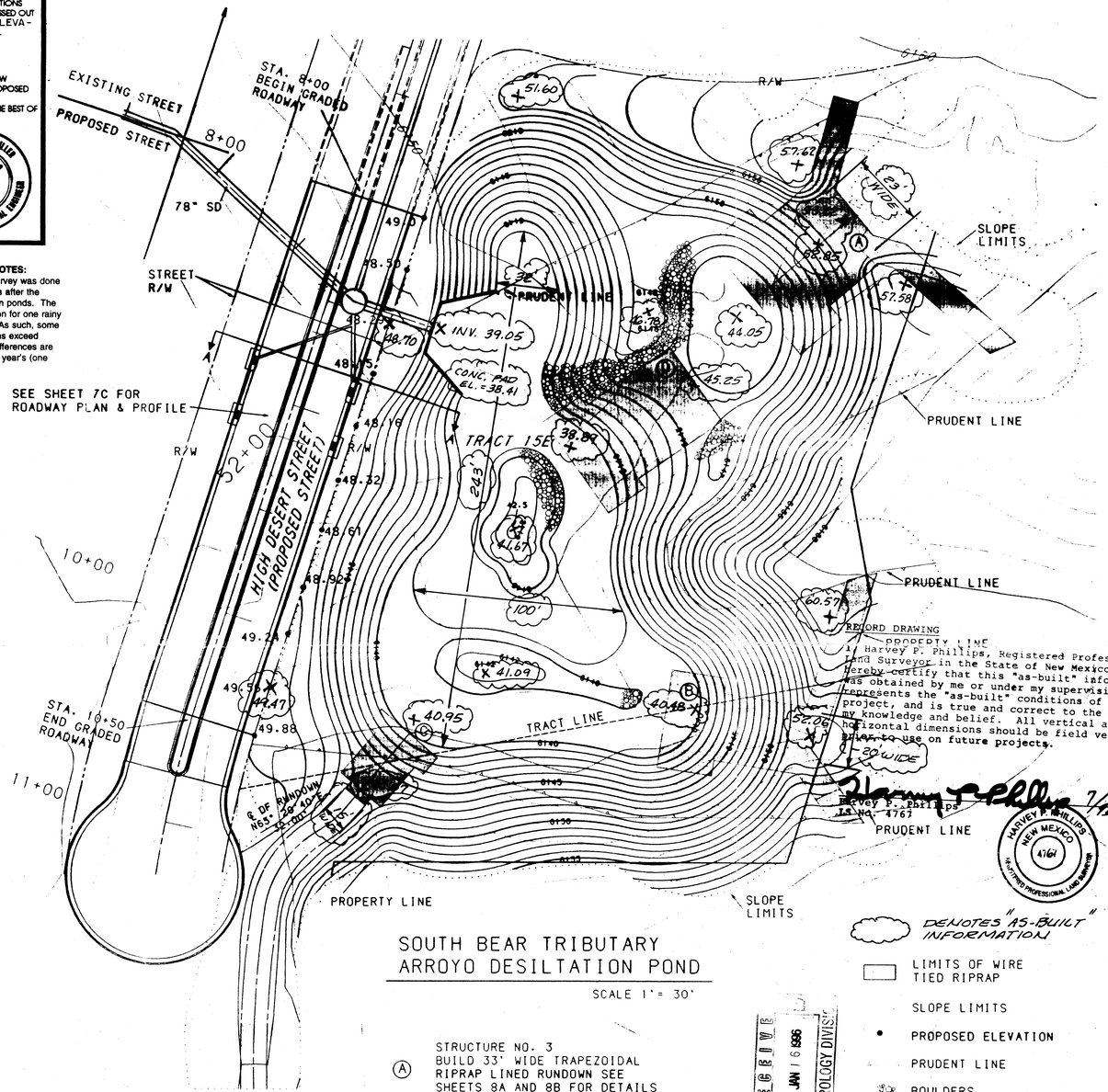
I, JAMES R. TOPMILLER, OF BOHANNAN-HUSTON, INC., A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE EXISTING AND PROPOSED DRAINAGE CONDITIONS OF THIS SITE ARE IN SUBSTANTIAL COMPLIANCE WITH PREVIOUSLY APPROVED PLANS. TO THE BEST OF MY KNOWLEDGE AND BELIEF.

JAMES R. TOPMILLER, P.E.
N.M.P.E. No. 9354
DATE: 1/12/96

JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER

DRAINAGE CERTIFICATION NOTES:

1. The drainage certification survey was done approximately six (6) months after the construction of the desiltation ponds. The ponds have been in operation for one rainy season in this time period. As such, some of the pond bottom elevations exceed design elevations. These differences are deemed consistent with one year's (one rainy season) of silt.



NOTES

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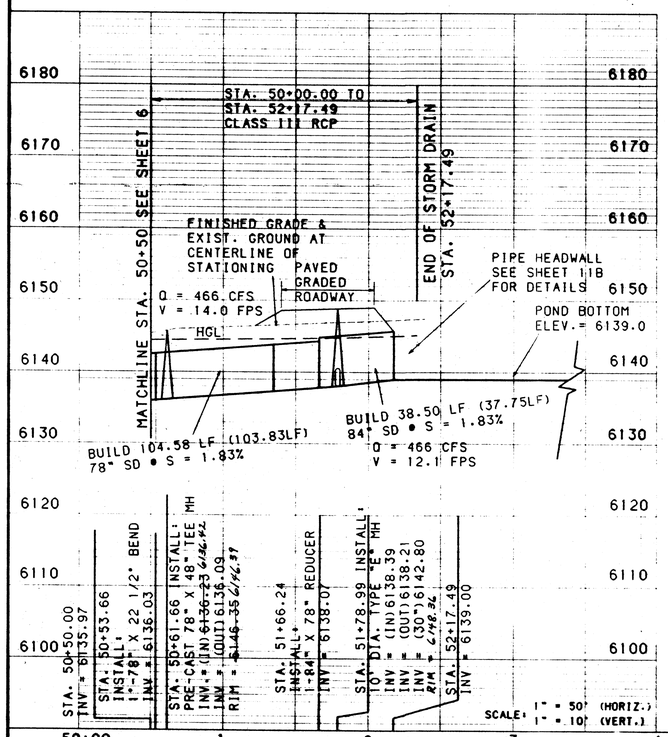
9. CENTERLINE BEARING DISTANCES ARE FROM BEND TO BEND OR BEND TO MATCHLINE, UNLESS OTHERWISE NOTED.
10. ALL WYES SHALL BE 45° WYES UNLESS OTHERWISE NOTED ON PLANS.



NOTE:

BOULDERS SHALL BE PLACED IN ACCORDANCE WITH THE PLANS AND PLAN QUANTITIES AND DIRECTED BY THE PROJECT MANAGER. BOULDERS SHALL BE A MINIMUM OF 6' DIA. AND SHALL BE PLACED IN LAYERS FROM 1.5' TO 2.0' THICK.

QUANTITIES

ITEM DESCRIPTION	QUANTITIES
DUMPED BOULDERS	132 CY
WIRE TIED RIPRAP	690 CY
GRAVEL FILTER	230 CY

SOUTH BEAR TRIBUTARY ARROYO DESILTATION POND

SCALE 1" = 30'

Ⓐ STRUCTURE NO. 3
BUILD 33' WIDE TRAPEZOIDAL RIPRAP LINED RUNDOWN SEE SHEETS 8A AND 8B FOR DETAILS

Ⓑ STRUCTURE NO. 4
BUILD 15' WIDE TRAPEZOIDAL RIPRAP LINED RUNDOWN SEE SHEETS 8A AND 8B FOR DETAILS

Ⓒ STRUCTURE NO. 5
BUILD 12' WIDE TRAPEZOIDAL RIPRAP LINED RUNDOWN SEE SHEETS 8A AND 8B FOR DETAILS

Ⓓ STRUCTURE NO. 6
BUILD 33' WIDE TRAPEZOIDAL RIPRAP LINED RUNDOWN SEE SHEETS 8A AND 8B FOR DETAILS

RECEIVED JAN 16 1996 HYDROLOGY DIVISION

DENOTES "AS-BUILT" INFORMATION

- LIMITS OF WIRE TIED RIPRAP
- SLOPE LIMITS
- • PROPOSED ELEVATION
- PRUDENT LINE
- BOULDERS
- (X) AS-BUILT ELEVATIONS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 6 - 4 8 0 9 . 9 5 7 W 7 5

BHI JOB NO. 94215.20

SURVEY INFORMATION

BENCH MARKS

The bench mark is a standard USC&GS brass tablet set stamped "Pueblo 1969" set in concrete located approximately 489 feet west and 35 feet north of the intersection of Tennyson Street and San Antonio Drive.

Plane coordinates X=425 485.55 Y=1513 470.01

Ground-to-grid factor 0.99961970

Elevation = 6009.155 feet

AS-BUILT INFORMATION

CONTRACTOR New Concepts Inc.
PLOTTED BY A.P. Phillips DATE 2/2/96
INSPECTED BY J.S. DATE 2/2/96
FIELD VERIFICATION BY M.G. DATE 2/2/96
CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

FIELD NOTES

NO.	BY	DATE

ENGINEER'S CERTIFICATION

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

Harvey P. Phillips, PS
No. 4761
7/96

HARVEY P. PHILLIPS NEW MEXICO 4761 REGISTERED PROFESSIONAL LAND SURVEYOR

CRAIG M. HOWELL NEW MEXICO 10248 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	DESIGNED BY	CHK/DEB	DATE 11/94
			DRAWN BY	TONY M	DATE 11/94
			CHECKED BY	MCS/CMH	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

HIGH DESERT SUBDIVISION PHASE 1-B-1

STORM DRAIN PLAN & PROFILE
ACADEMY STA. 50+50 TO 52+33.74

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		2-23-95	WATER	N/A	
TRANSPORTATION		2-10-96	WASTE WATER		
HYDROLOGY		2-3-95			

DRAWING NO. 4809.95 | MAP NO. E-23 | SHEET 7A OF 11

USERNAME: HYDRO-EH9421520.PAD3
FILENAME: ACSD6.GRF