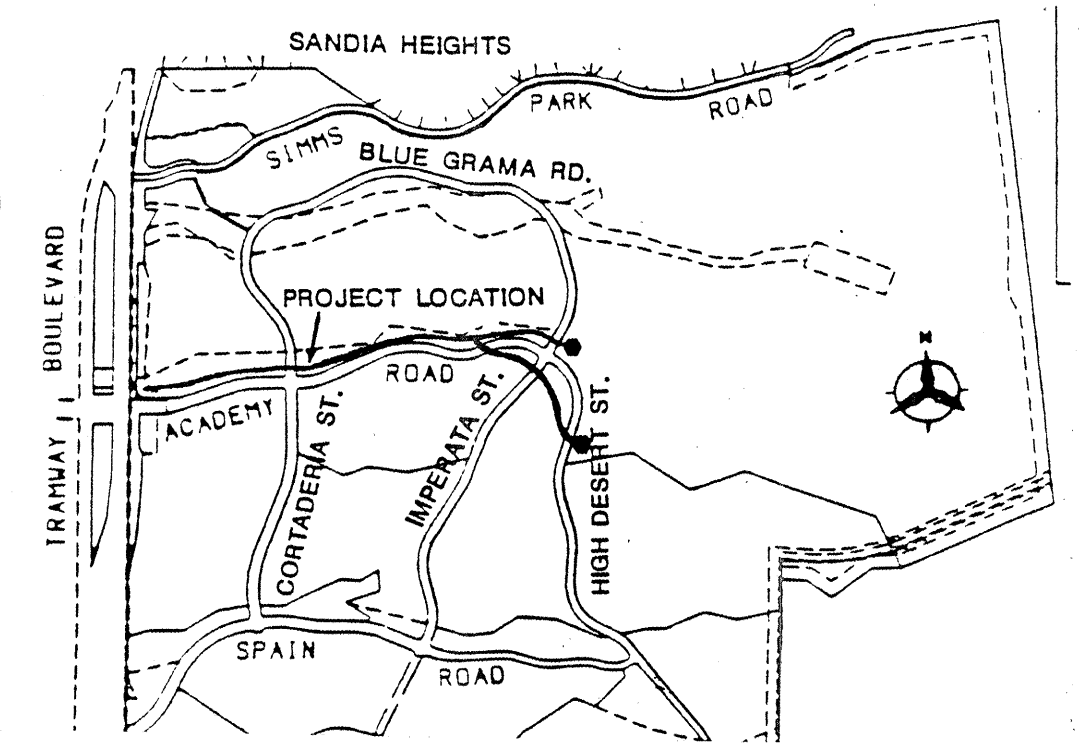


CONSTRUCTION PLANS
FOR
HIGH DESERT SUBDIVISION
PHASE 1-B-1 STORM DRAINAGE
(ACADEMY STORM DRAIN)
ALBUQUERQUE, NEW MEXICO



LEGAL DESCRIPTION:
HIGH DESERT SUBDIVISION TRACTS 3.4.8C.9.11.15E.415F.

VICINITY MAP
NOT TO SCALE
C-12

NOTICE TO CONTRACTORS

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- THREE (3) WORKING DAYS PRIOR TO CONST., THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISHED ELEV. 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.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

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
LS No. 4767

APPROVAL OF AS-BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Russell B. Smith
DATE 8-25-95

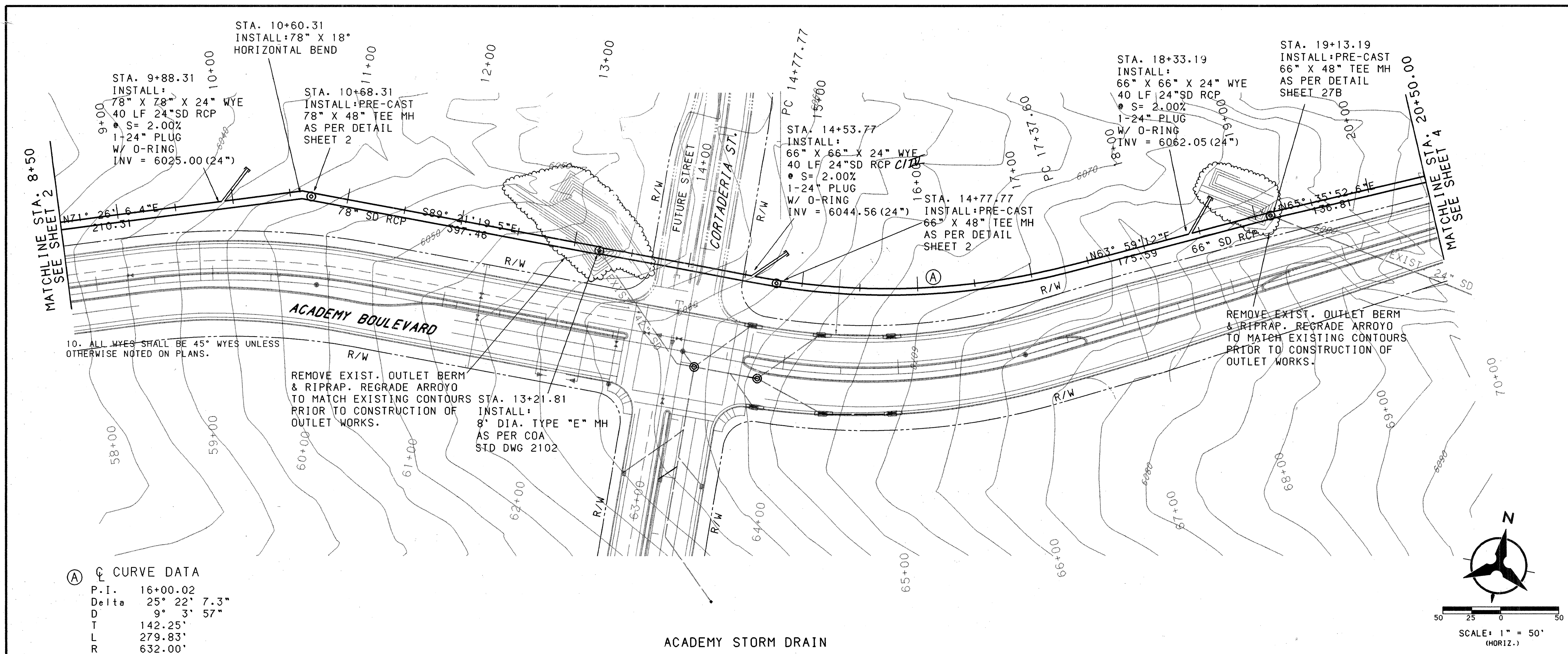
REV	SHEETS	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
1	11A, 11B, 11C, 11D	3-27-95	Billy G. Anderson	CIVIL ENGINEER	3-27-95	John C. Martin	CIVIL ENGINEER	3-27-95
2	5, 7, 8, 11	2-23-95	Billy G. Anderson	CIVIL ENGINEER	2-23-95	John C. Martin	CIVIL ENGINEER	2-23-95

APPROVAL OF REVISIONS

BOHANNAN HUSTON INC. ALBUQUERQUE, NEW MEXICO ENGINEERS PLANNERS PHOTOGRAMMETRISTS	
PROJECT NUMBER 4809.95	APPROVED FOR CONSTRUCTION <i>Russell B. Smith</i> DATE 8/27/95
SHEET 1 OF 11	

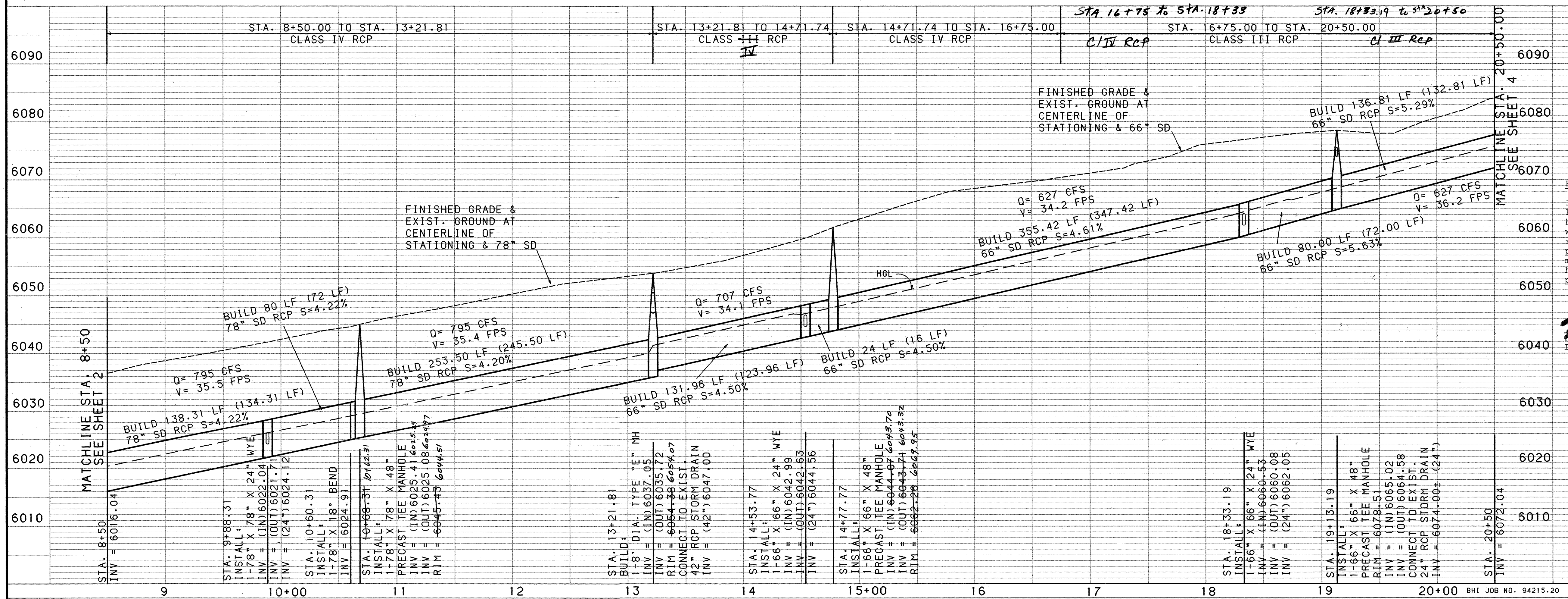
SHEET NUMBER	DESCRIPTION
1	TITLE SHEET / VICINITY MAP
2	PLAN AND PROFILE STA. 2+08 TO 8+50
3	PLAN AND PROFILE STA. 8+50 TO 20+50
4	PLAN AND PROFILE STA. 20+50 TO 32+00
5	PLAN AND PROFILE STA. 32+00 TO 35+31.79
5A	PLAN AND PROFILE STA. 32+00 TO 35+17.15
5B	NORTH BEAR TRIBUTARY POND
6	PLAN AND PROFILE STA. 40+00 TO 50+50
7	PLAN AND PROFILE STA. 50+50 TO 52+33.74
7A	PLAN AND PROFILE STA. 50+50 TO 52+33.74
7B	SOUTH BEAR TRIBUTARY POND
7C	PLAN AND PROFILE STA. 6+30.59 TO 11+63.82
8A, B	DESILTATION PONDS DETAILS / RIPRAP DETAILS
9	TRAMWAY PONDS GRADING PLAN & MISC. DETAILS
10	WIRE ENCLOSED RIPRAP
11	STRUCTURAL DETAILS
11A	SPECIAL WINGWALL & HEADWALL FOR 48" DIA. RCP STA. 35+17.15
11B	SPECIAL WINGWALL & HEADWALL FOR 84" DIA. RCP STA. 52+17.49
11C	DETAILS AT 48" DIA. RCP HEADWALL AND WINGWALLS
11D	DETAILS AT 84" DIA. RCP HEADWALL AND WINGWALLS

BH1 JOB NO. 94215.20



① CURVE DATA

P.I.	16+00.02
Delta	25° 22' 7.3"
D	9° 3' 57"
T	142.25'
L	279.83'
R	632.00'



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.
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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.

ENGINEER'S SEAL

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
LS No. 4767

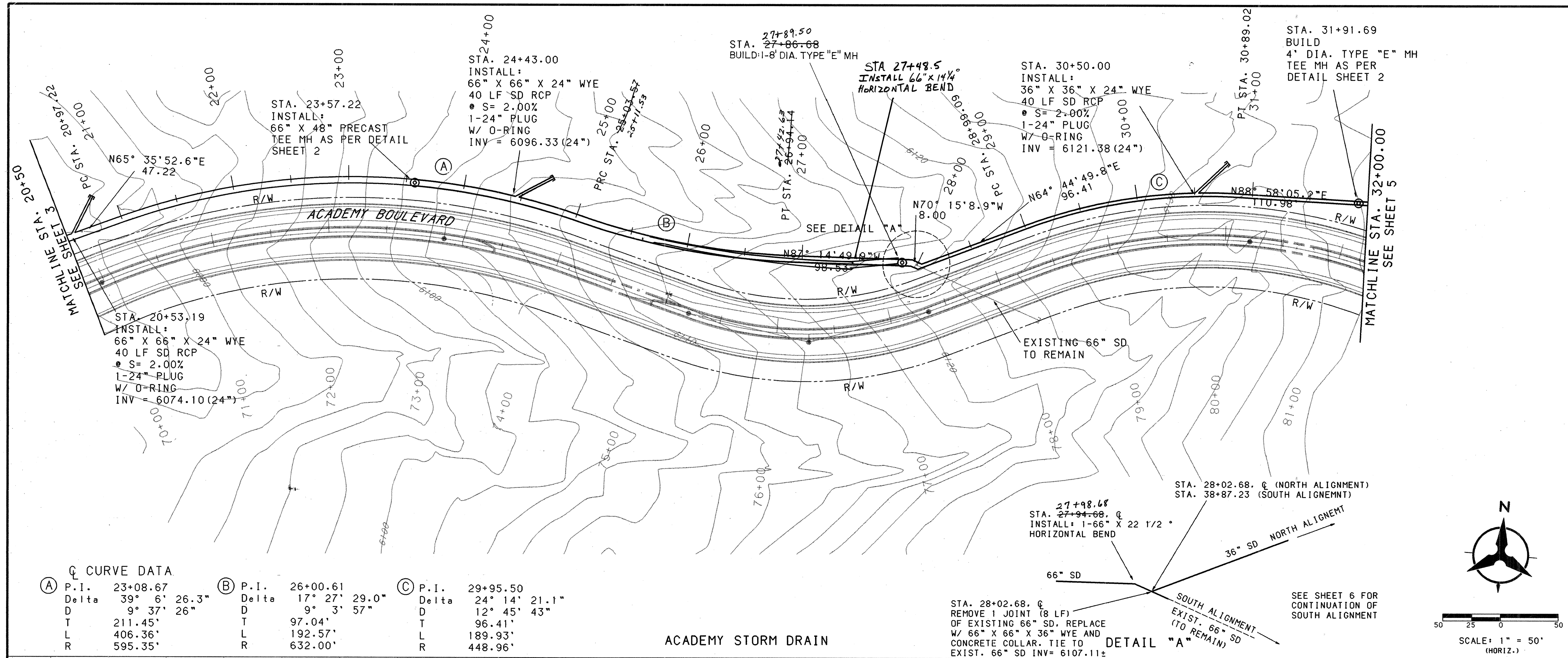
7/12/99

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

HIGH DESERT SUBDIVISION PHASE 1-B-1
STORM DRAIN PLAN & PROFILE
ACADEMY STA. 8+50 TO 20+50

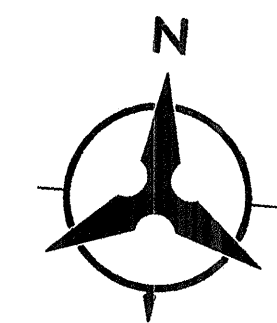
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	S. P. Phillips	11-3-99	WATER	6/8/00	10/12/99
TRANSPORTATION	10/12/99		WASTE WATER		
HYDROLOGY					

DRAWING NO. 4809.95 MAP NO. E-23 SHEET 3 OF 11

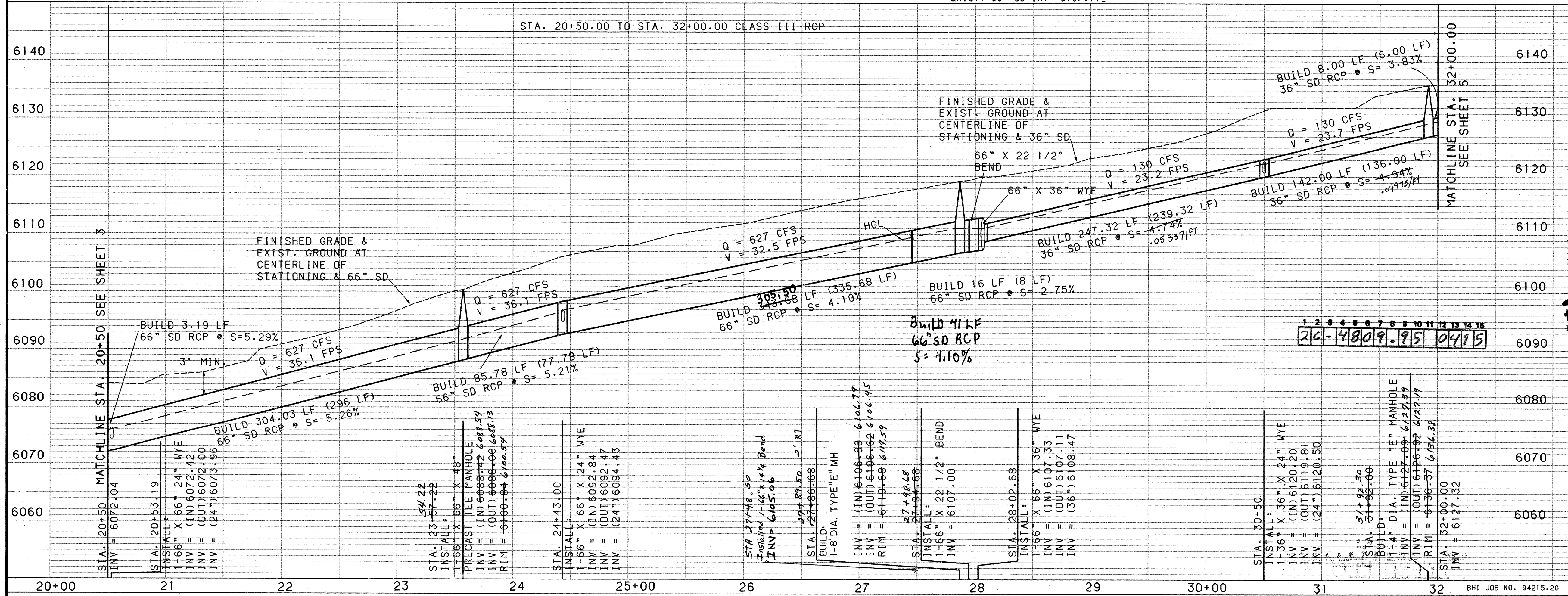


NOTES

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



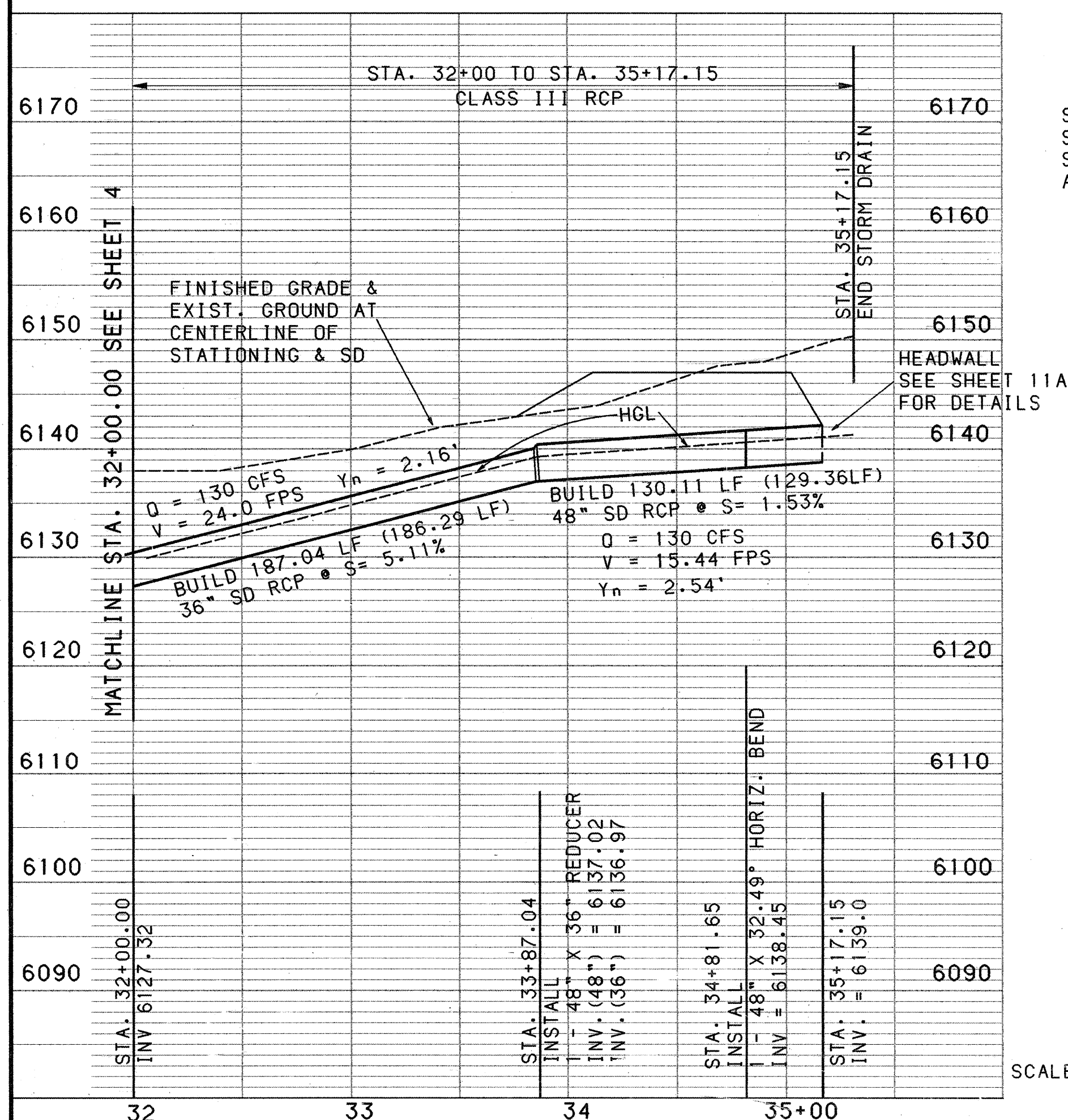
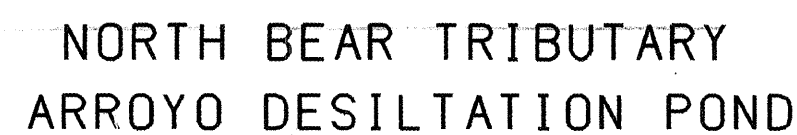
RECORD DRAWING

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Harvey P. Phillips
LS No. 4767



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING					
HIGH DESERT SUBDIVISION PHASE 1-B-1 STORM DRAIN PLAN & PROFILE ACADEMY STA. 20+50 TO 32+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	11-3-94	11-3-94	WATER		
TRANSPORTATION	10-12-94	10-12-94	WASTE WATER		
HYDROLOGY	10-29-94	10-29-94			
DRAWING NO. 4809.95			MAP NO. E-23		
SHEET 4			OF 11		



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

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

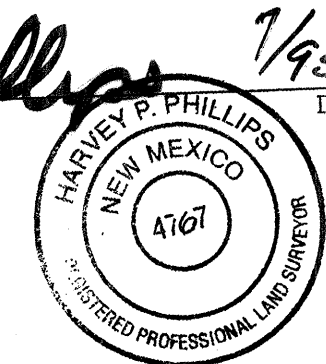
NOTES

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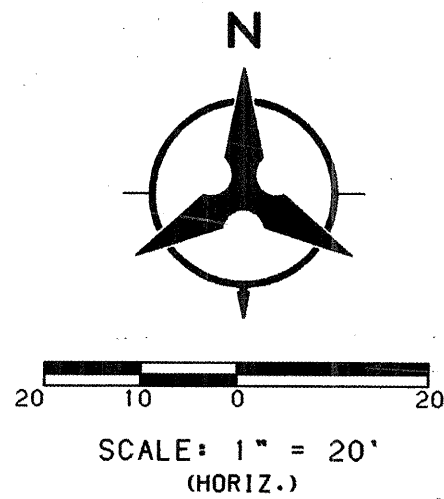
RECORD DRAWING

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 the best of 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
LS No. 4767



NOTES					
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5. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2-415 (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 VP.I. 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.					
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10. ALL WYES SHALL BE 45° WYES UNLESS OTHERWISE NOTED ON PLANS.					
DRAWING					
I, Harvey P. Phillips, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was prepared by me or under my supervision and meets 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 shall be field verified prior to construction for future projects. Harvey P. Phillips Professional Seal No. A767 Date 7/95					
AS-BUILT INFORMATION					
CONTRACTOR: New Concepts Inc. STARTED BY H.P. Phillips INSPECTED BY J.S. DATE 7/95 CHECKED BY AG DATE 7/95					
MICRO-FILM INFORMATION					
RECORDED BY _____ NO. _____					
BENCH MARKS	The bench mark is a standard USC&GS brass tablet stamped "Tumble 1969" set in concrete located approximately 489 feet west and 35 feet north of the intersection of Tennyson Street and San Antonio Drive.				
SURVEY INFORMATION	FIELD NOTES	BY DATE			
No.	By	Date			
ENGINEER'S SEAL					
No. DATE					
REVISIONS					
DESIGN					
DESIGNED BY CWH/OEB					
DRAWN BY TONY M					
DATE 11/94					
DATE 11/94					
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING					
HIGH DESERT SUBDIVISION PHASE I - B-I STORM DRAIN PLAN & PROFILE ACADEMY STA. 32+00 TO 35+17.15					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G.A.	2-23-95	WATER	N/A	
TRANSPORTATION	M.B. Ruiz	2-10-95	WASTE WATER		
HYDROLOGY	Houston	2-3-95			
DRAWING NO.	4809.95	MAP NO. E-23	SHEET 5A	OF 11	



IMPERATA STREET
(FUTURE STREET)

HEADWALL

HIGH DESERT STREET

SLOPE LIMITS

SLOPE LIMITS

10' GRID SPACING

NORTH BEAR TRIBUTARY POND
FINISHED GRADE GRID MAP

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4809.95 05 0595

RECORD DRAWING

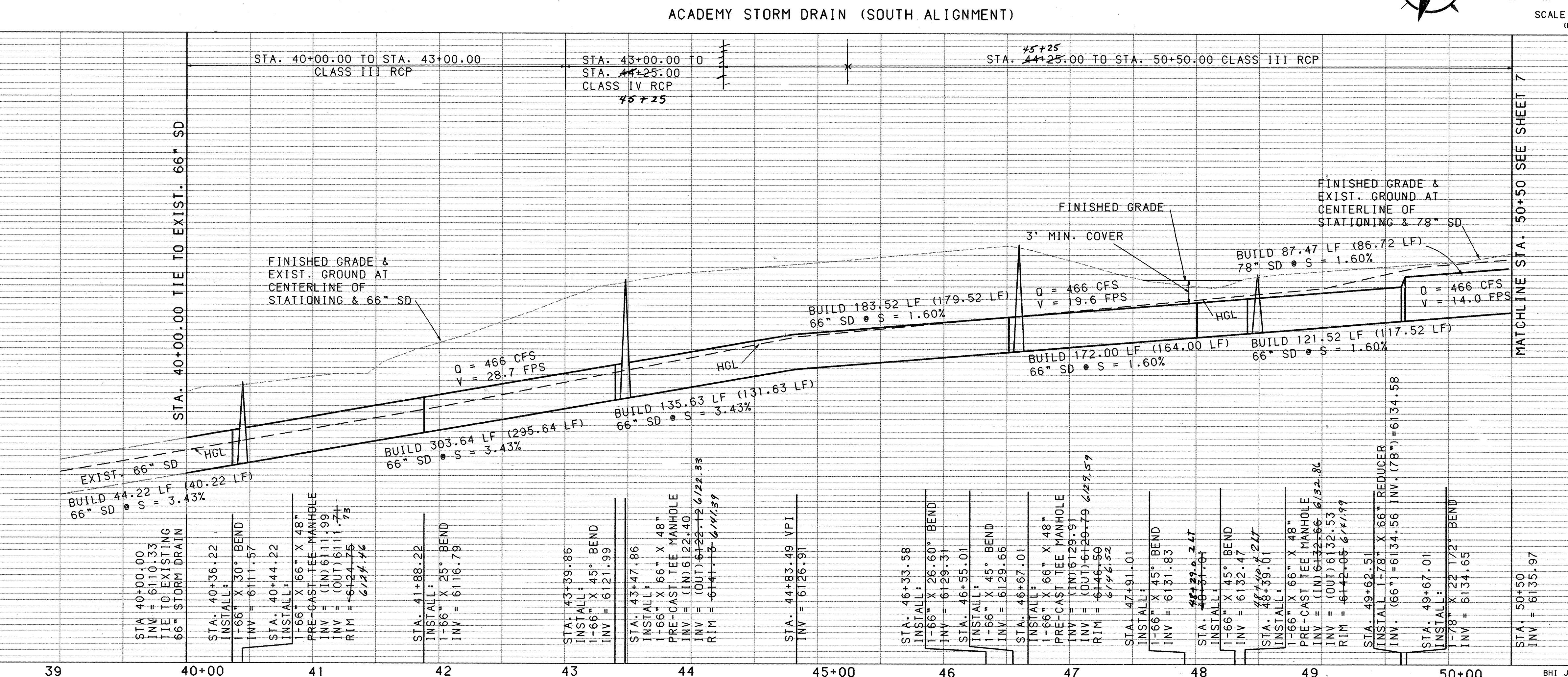
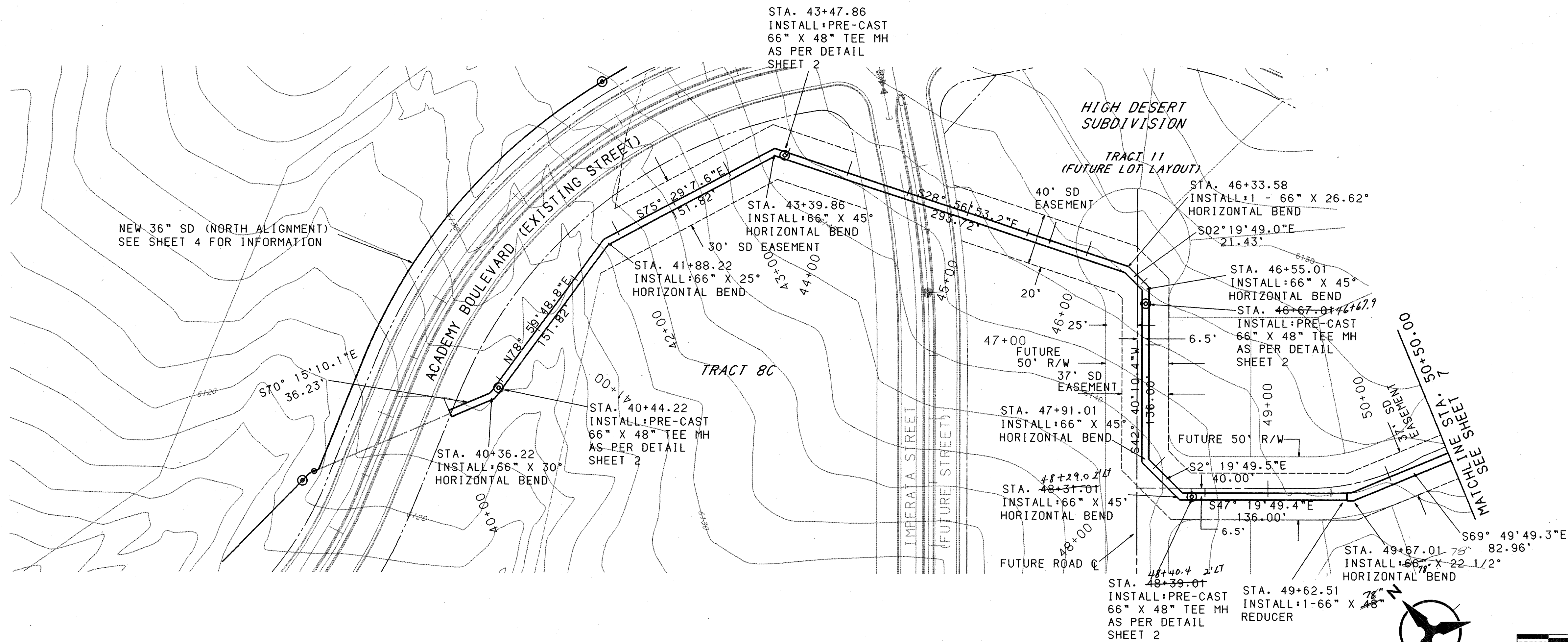
I, Harvey P. Phillips, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. 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



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING					
HIGH DESERT SUBDIVISION PHASE 1-B-1 NORTH BEAR TRIBUTARY POND FINISHED GRADE GRID MAP					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B. A.</i>	2-23-95	WATER	<i>N/A</i>	
TRANSPORTATION	<i>MA LWP</i>	2-10-95	WASTE WATER		
HYDROLOGY	<i>P. Cantan</i>	2-3-95			
DRAWING NO. 4809.95		MAP NO. E-23		SHEET 5B OF 11	

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION		
	BY <i>Harvey P. Phillips</i>	NO.	DATE	The bench mark is a standard USC&GS brass tablet stamped "Tumble 1969" set in concrete located approximately 489 feet west and 35 feet north of the intersection of Tennyson Street and San Antonio Drive.		CONTRACTOR: <i>New Concepts Inc</i>		
						WORKED BY: <i>H.P. Phillips</i>		
						INSPECTED BY: <i>JS</i>		
						CORRECTED BY: <i>mg</i>		
						MICRO-FILM INFORMATION		
DESIGNED BY: <i>CHW/DEB</i>		DATE: 11/94		Plane coordinates: X=425 465.55 y=1513 470.01		RECORDED BY: <i>mg</i>		
DRAWN BY: <i>TONY M</i>		DATE: 11/94		Ground-to-grid factor 0.99961970		NO.		
CHECKED BY: <i>HCS/CH</i>		DATE: 11/94		Elevation = 6009.155 feet				



- NOTES
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 10. ALL WYES SHALL BE 45° WYES UNLESS OTHERWISE NOTED ON PLANS.

SCALE: 1" = 50' (HORIZ.)

ENGINEER'S SEAL
HARVEY P. PHILLIPS
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO
NO. 4767

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.

REVISIONS
DESIGN
DATE 9/94
DRAWN BY TONY H
CHECKED BY HCS/CWH
DATE 9/94

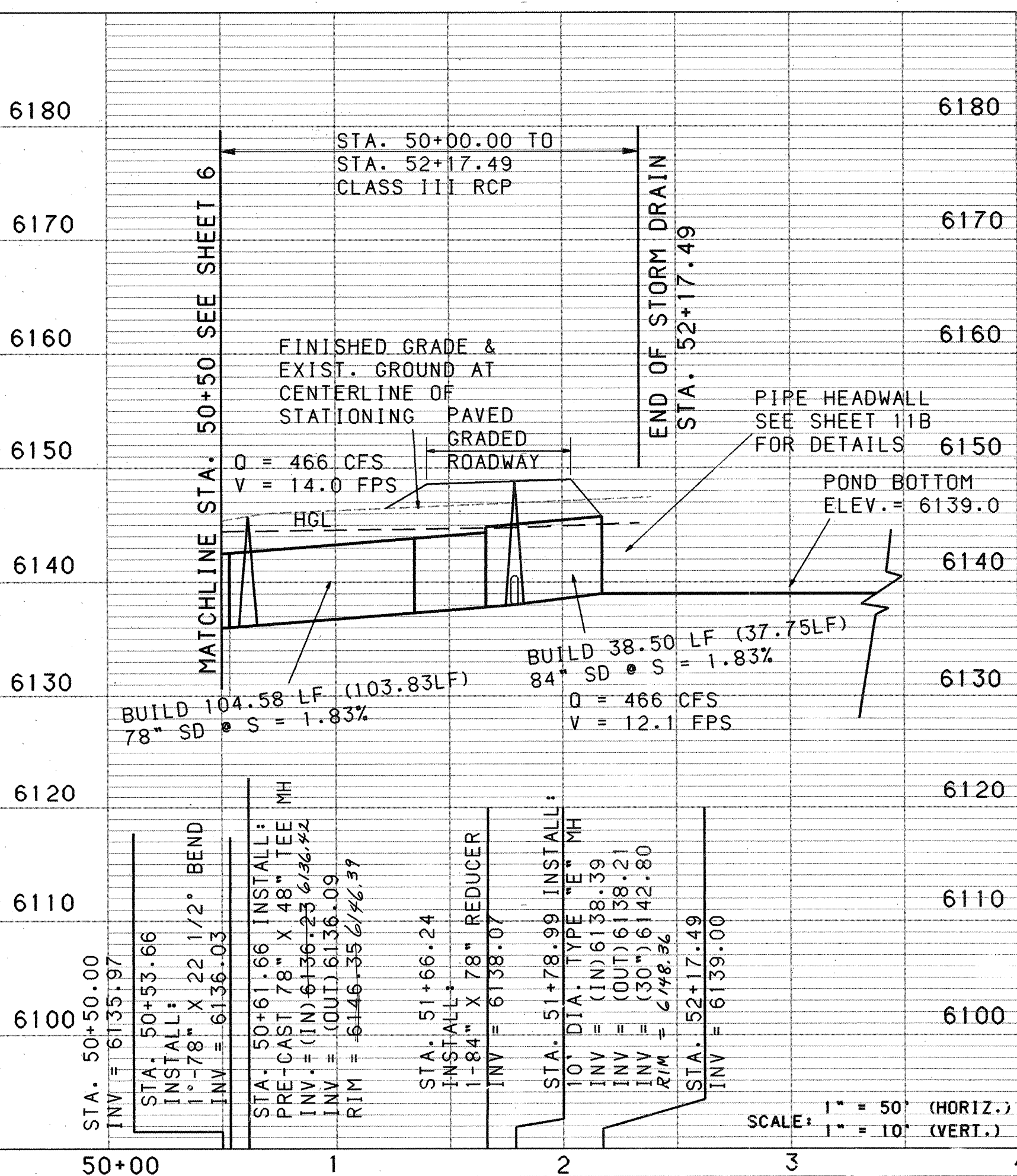
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
20-4809.95 95 06 95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

HIGH DESERT SUBDIVISION PHASE I-B-1
STORM DRAIN PLAN & PROFILE
ACADEMY STA. 40+00 TO 50+50

APPROVALS
ENGINEER
DATE 11-3-94
TRANSPORTATION
HYDROLOGY

DRAWING NO. 4809.95
MAP NO. E-23
SHEET 6 OF 11



BHI JOB NO. 94215.20

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| USERNAME:  HYDRO:[H9421520.PAD]
| FILENAME:  ACSD6.GRF

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HIGH DESERT STREET

MATCHLINE

SOUTH BEAR TRIBUTARY POND
FINISHED GRADE GRID MAP

MATCHLINE

SLOPE LIMITS

SLOPE LIMITS

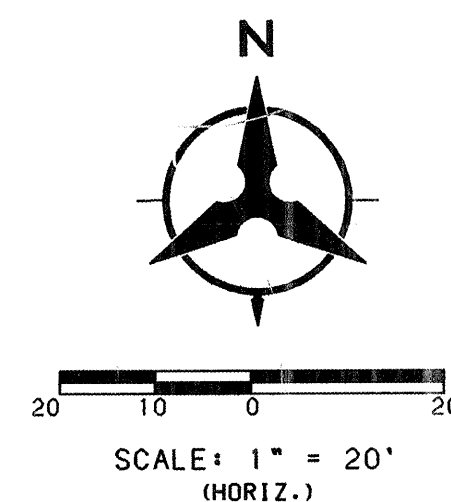
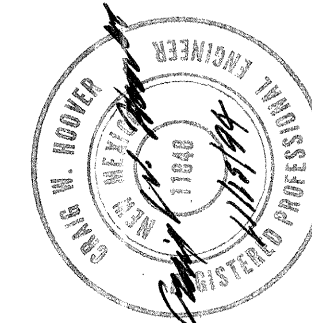
SLOPE LIMITS

10' GRID SPACING

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 7/65
LS No. 4767 Date



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4809.95 7096

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING					
HIGH DESERT SUBDIVISION PHASE 1-B-1 SOUTH BEAR TRIBUTARY POND FINISHED GRADE GRID MAP					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G.A.	2-23-95	WATER	N/A	
TRANSPORTATION	N.A. RHO	2-16-95	WASTE WATER		
HYDROLOGY	Plursten	2-3-95			
DRAWING NO.		MAP NO.		SHEET OF	
4809.95		E-23		7B 11	

A		TC	FL
1		52.18	51.85
2		51.77	51.77
3		50.02	51.69

TRACT 14

KEYED NOTES (A)

NOTE

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 WORKS 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 HH'S WYES OR MANHOLES. 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.

PAYING NOTES

1. ALL CURB DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
2. GRADE ELEVATIONS, WHERE NOTED ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
3. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
4. REMOVAL OF EXISTING PAVEMENT SHALL BE BY SAWCUT ONLY.

HIGH DESERT STREET (1)
STA. 8+00 TO 8+00.00

PT NO.	STATION	OFFSET	DESC	TC
1	8+00.00,	24.00'	RT BOP	6148.88
2	8+00.00,	4.00'	RT BOP	6148.20
3	8+00.00,	4.00'	LT BOP	6148.20
4	8+00.00,	24.00'	LT BOP	6148.88
5	10+39.79,	24.00'	RT PC	6149.88
6	10+39.79,	4.00'	RT PC	6149.94
7	10+39.79,	4.00'	LT PC	6149.94
8	10+39.79,	24.00'	LT PC	6149.82
9	10+81.33,	24.00'	RT PRC	6150.14
10	10+72.85,	4.00'	RT PC	6150.36
11	10+72.85,	4.00'	LT PT	6150.36
12	10+76.85,	24.00'	LT PRC	6050.09
13	10+98.56,	30.43'	RT PC	6050.77
14	10+98.20,	31.33'	RT PRC	6050.75
15	6+30.59,	24.00'	LT PC	6052.27
16	6+52.48,	46.44'	LT PT	6052.61
17	7+07.03,	48.47'	LT PC	6051.82
18	7+32.02,	24.00'	LT PT	6050.32

* MATCH EXISTING

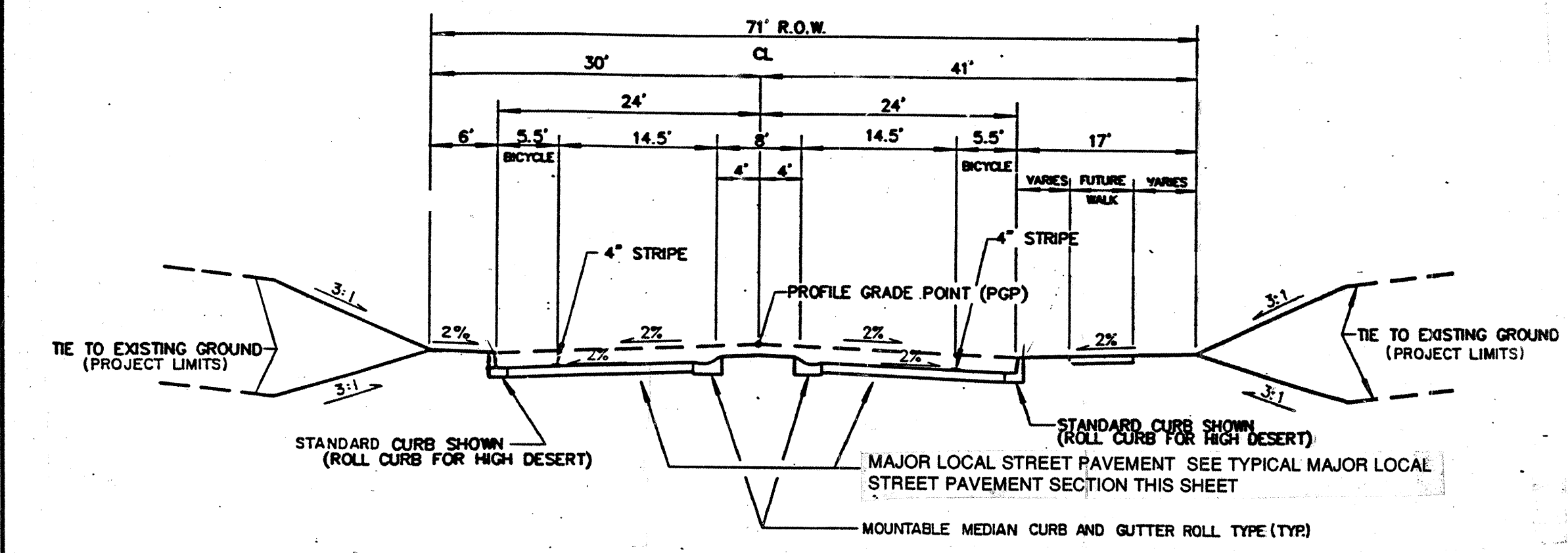
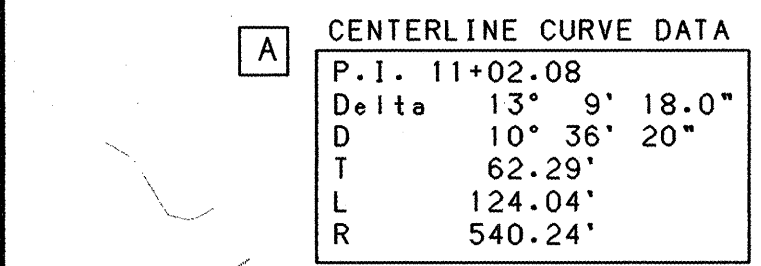
BHI JOB NO. 94215.20 & 94146.20

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

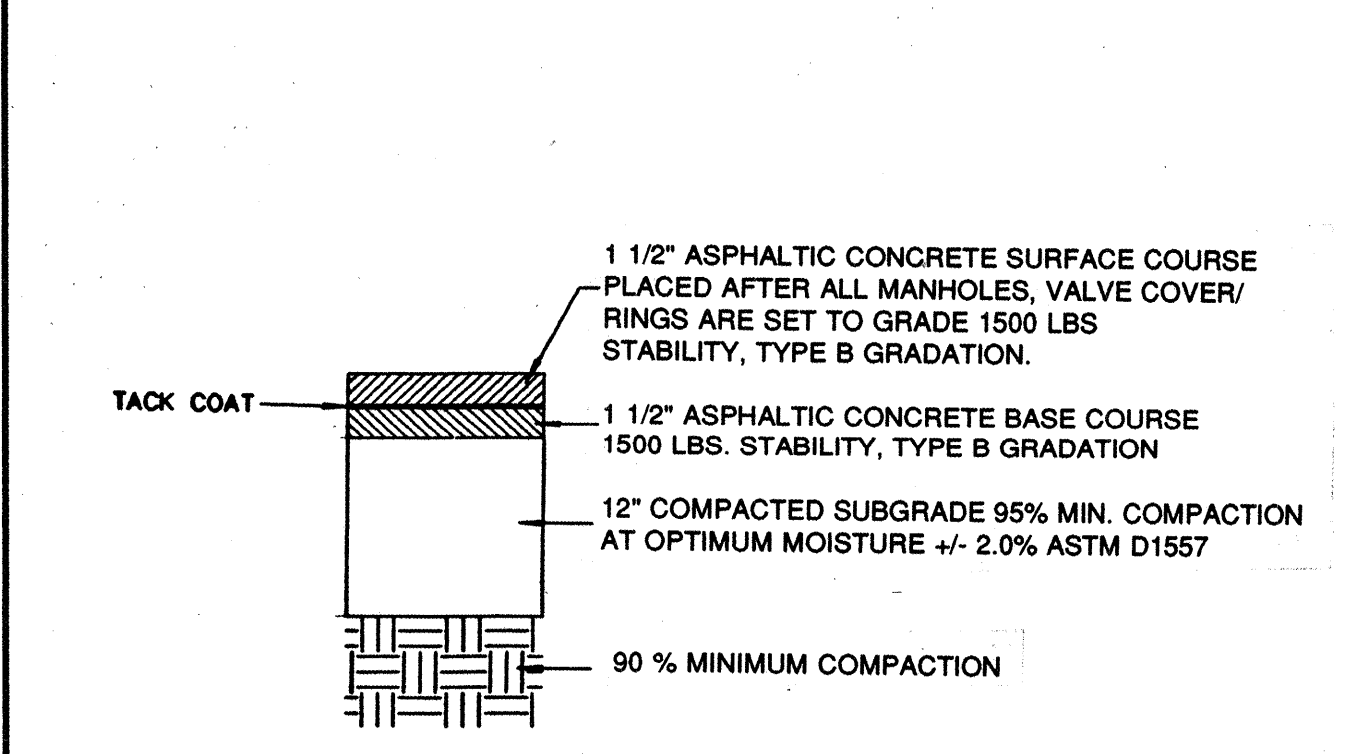
HIGH DESERT SUBDIVISION PHASE I-B-1
PAVING AND STORM DRAIN PLAN & PROFILE
HIGH DESERT ST. STA. 6+30.59 TO STA. 11+63.82

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	2-23-95	WATER	N/A	
TRANSPORTATION	<i>[Signature]</i>	2-10-95	WASTE WATER		
HYDROLOGY	<i>[Signature]</i>	2-3-95			

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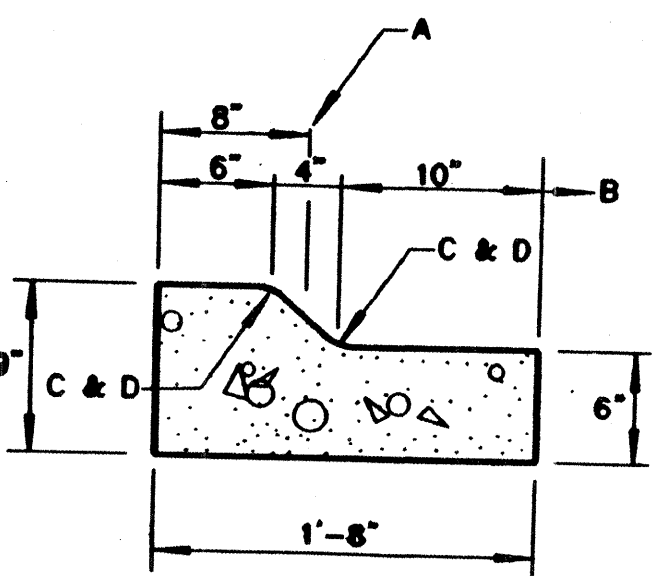


DIVIDED MAJOR LOCAL STREETS - SECTION C-C
NOT TO SCALE



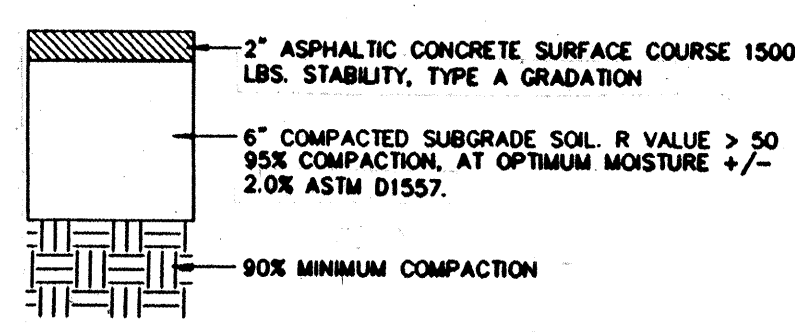
TYPICAL MAJOR LOCAL STREET
PAVEMENT SECTION

NOT TO SCALE



MOUNTABLE MEDIAN CURB AND
GUTTER ROLL TYPE DETAIL
17 Harvey P. Phillips, Registered

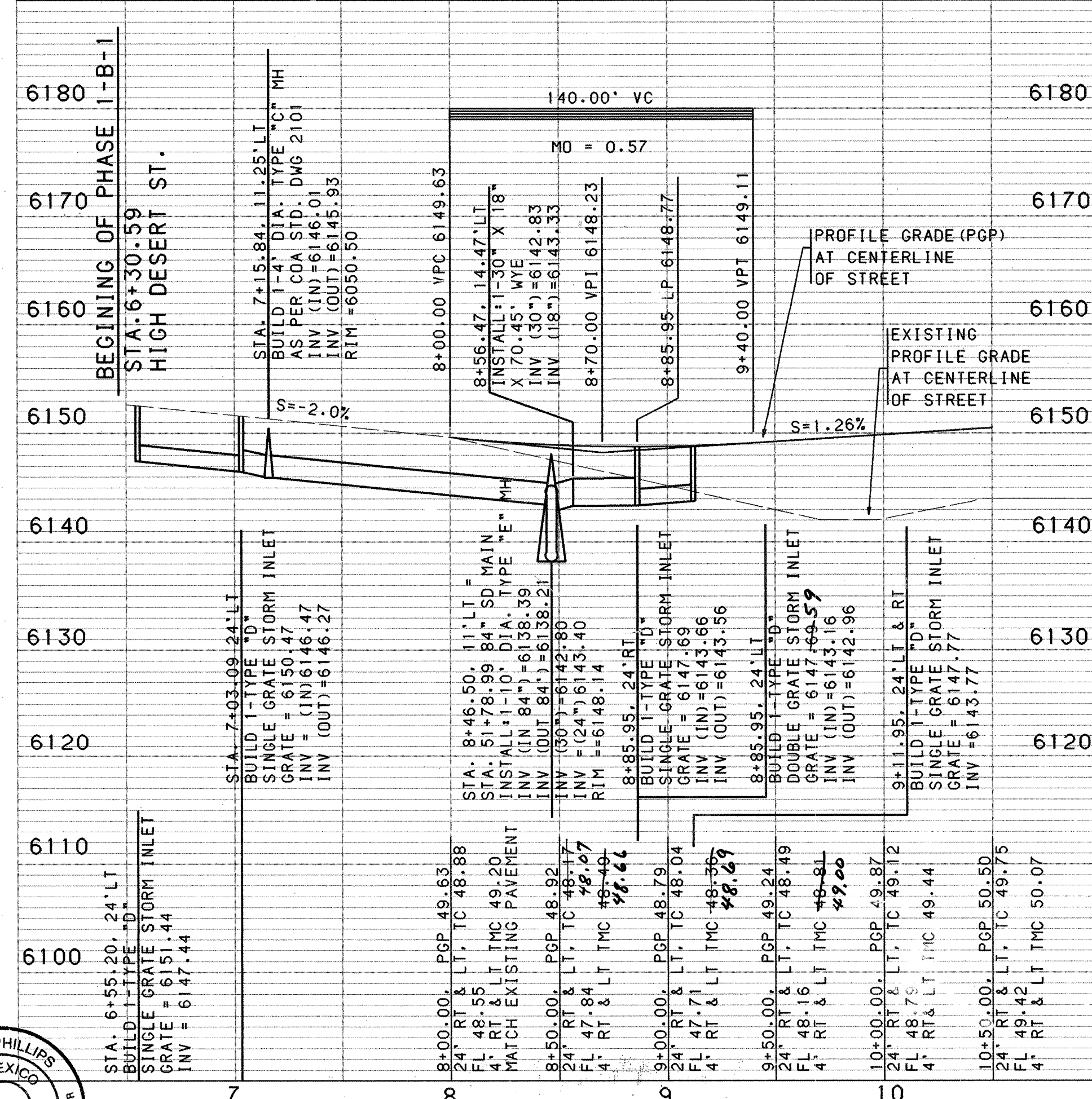
RECORD DRAFTER
1. ROLL TYPE DETAIL
I, Harvey B. Phillips, Registered Professional
Land Surveyor in the State of New Mexico, do
hereby certify that this "as-built" information
was obtained by me or under my supervision and
represents the "as-built" conditions of this
project and is true and correct to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



TEMPORARY
PAVEMENT SECTION
NOT TO SCALE

NOTE:
TYPE "D" STORM INLET GRATES
WITH * SHALL BE NEENAH GRATE
OR APPROVED EQUAL.

1 BUILD 6-TYPE "D" GRATE STORM INLETS AS PER COA STD. DWG. 2102						
	STATION	OFFSET	GRATE	INVERT (IN)	INVERT (OUT)	TYPE
1	6+55.20	24.00' LT	6151.44	N/A	6147.44	SINGLE
2	7+03.09	24.00' LT	6150.47	6146.47	6146.27	SINGLE
3*	8+85.95	24.00' RT	6147.69	6143.66	6143.56	SINGLE
4	8+85.95	24.00' LT	6147.69	6143.16	6142.96	DOUBLE
5	9+11.95	24.00' RT	6147.77	N/A	6143.77	SINGLE
6	9+11.95	24.00' LT	6147.77	N/A	6143.77	SINGLE



50 25 0 5

SCALE: 1" = 50'

(HORIZ.)

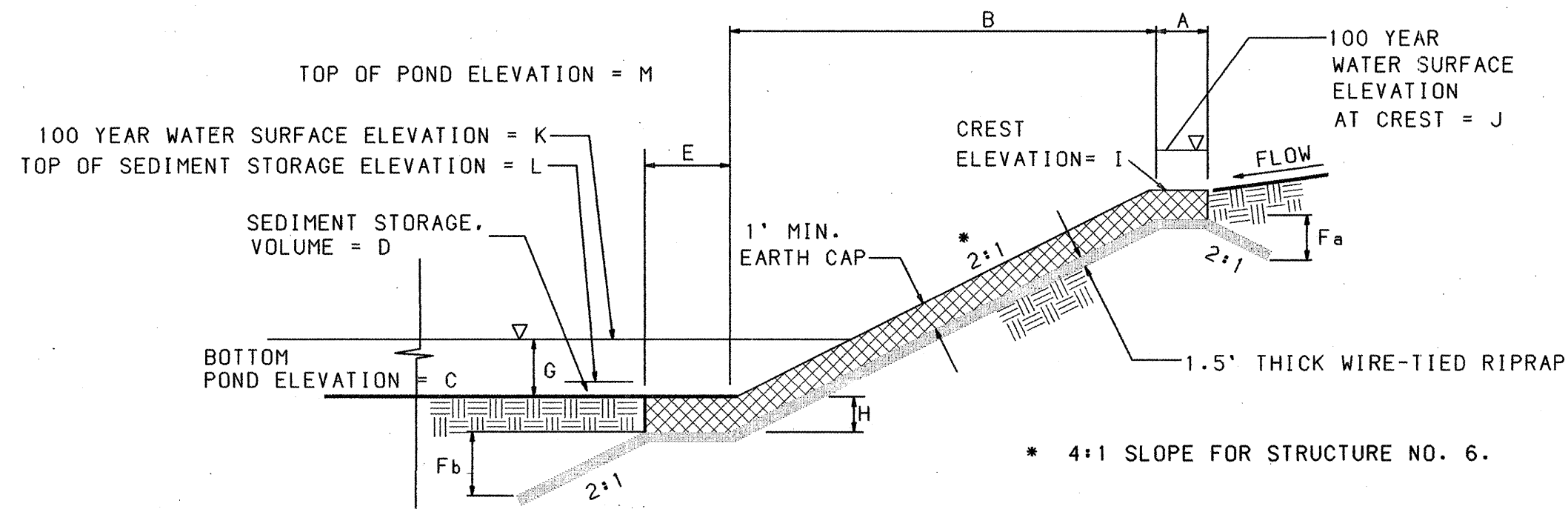
Harvey P. Phillips
LS No. 4767

Harvey P. Phillips
New Mexico
4167
Registered Professional Engineer and Surveyor

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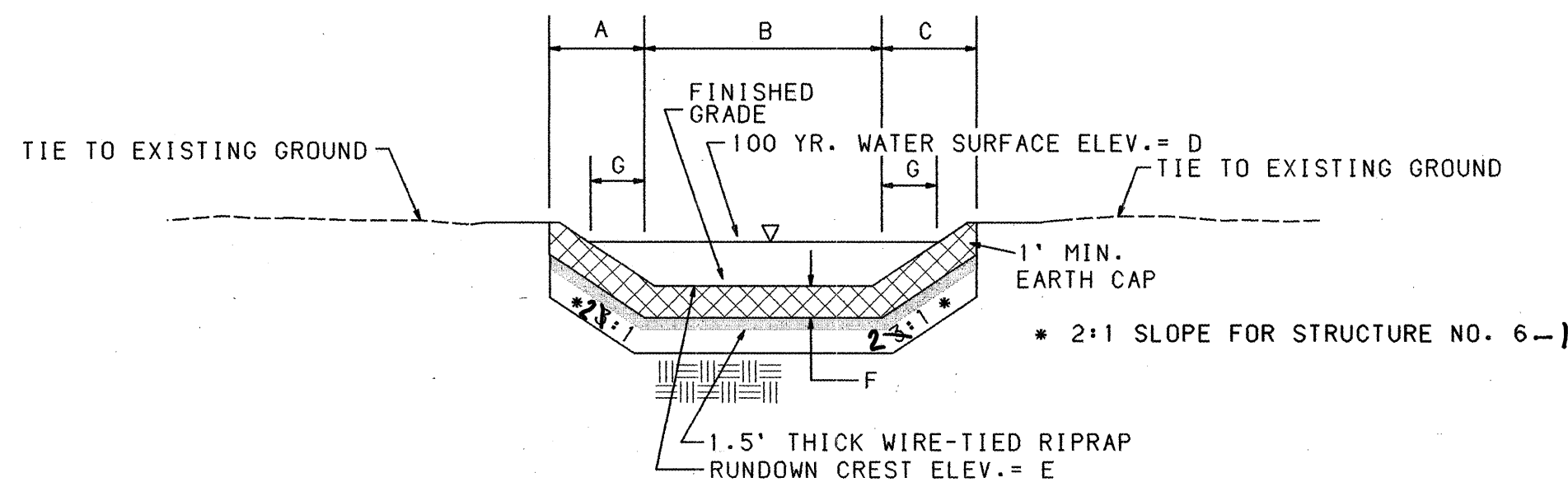
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POND SECTION A-A

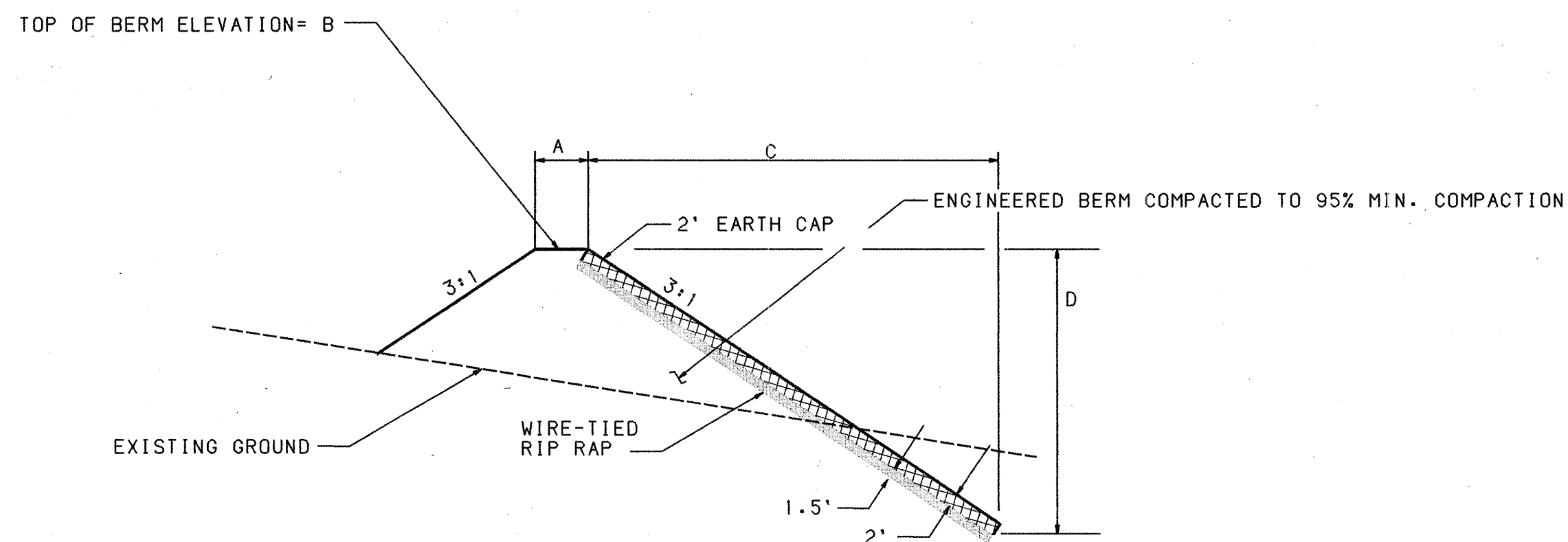
N.T.S.



POND SECTION B-B

N.T.S.

NOTE: COMPACT EARTH CAP TO 90% MIN. COMPACTION.



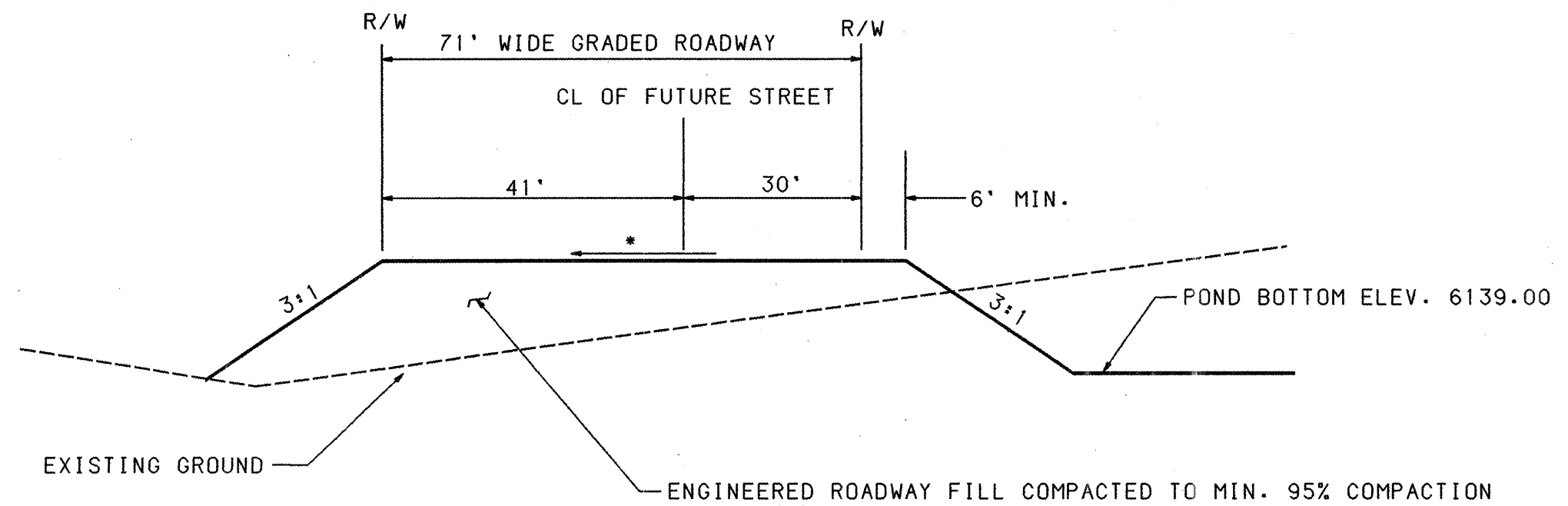
POND SECTION C-C

N.T.S.

POND SECTION A-A						
STRUCTURE NO.	NORTH BEAR TRIB POND			SOUTH BEAR TRIB POND		
	1	2	3	4	5	6
DIMENSION	NORTH INLET	SOUTH INLET	NORTH INLET	SOUTH INLET	ROADSIDE INLET	INTERIOR RUNDOWN
A	8'	8'	8'	8'	6'	6'
B	30'	32'	16'	24'	12'	28'
C	6139.00	6139.00	6144.00	6140.00	6140.00	6139.00
D	4922 cu ft					
E	12'	12'	25'	25'	10'	20'
Fa	2'	2'	2'	2'	2'	2'
Fb	4'	4'	4'	4'	3'	4'
G	4.5'	4.5'	5.91'	5.91'	5.91'	5.91'
H	0.5'	0.5'	0.59'	0.59'	0.59'	0.59'
I	6154.0	6152.0	6153.00	6150.00	6146.00	6146.00
J	6154.7	6153.0	6155.00	6152.00	6147.00	6147.00
K	6144.0	6144.0	6145.50	6145.50	6145.50	6145.50
L	6139.5	6139.5	6139.59	6139.59	6139.59	6139.59
M	6146.0	6146.0	6148.00	6148.00	6148.00	6148.00

POND SECTION B-B						
STRUCTURE NO.	NORTH BEAR TRIB POND			SOUTH BEAR TRIB POND		
	1	2	3	4	5	6
DIMENSION	NORTH INLET	SOUTH INLET	NORTH INLET	SOUTH INLET	ROADSIDE INLET	INTERIOR RUNDOWN
A	6'	6'	8'	8'	6'	4'
B	12'	27'	33'	15'	12'	33'
C	6154.70	6153.00	6155.00	6152.00	6146.50	N/A
D	6154.00	6152.00	6153.00	6150.00	6146.00	6144
E	VARIES	VARIES	VARIES	VARIES	VARIES	VARIES
F	1.4'	2.0'	1.2'	1.2'	0.4'	N/A
G						

* 1' MINIMUM



SECTION D-D

HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=10'

* SLOPE = 1.0% FOR NORTH BEAR TRIBUTARY POND ROADWAY

POND SECTION C-C						
STRUCTURE NO.	NORTH BEAR TRIB POND			SOUTH BEAR TRIB POND		
	1	2	3	4	5	6
DIMENSION	NORTH INLET	SOUTH INLET	NORTH INLET	SOUTH INLET	ROADSIDE INLET	INTERIOR RUNDOWN
A	8'	8'	8'	8'	8'	5'
B	6156.0	6156.0	6147.00	6154.00	6149.00	28'
C	9'	9'	12'	12'		6139.00
D	3'	3'	4'	4'		

LEGEND

- EARTH CAP COVERING RIP-RAP
- FINISHED OR EXISTING EARTH GRADE
- RIP-RAP, OR LIMITS OF RIP-RAP

RECORD DRAWING

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Harvey P. Phillips
LS No. 4767
Date 7/15



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
20-4809.95 7/15 8/1/95

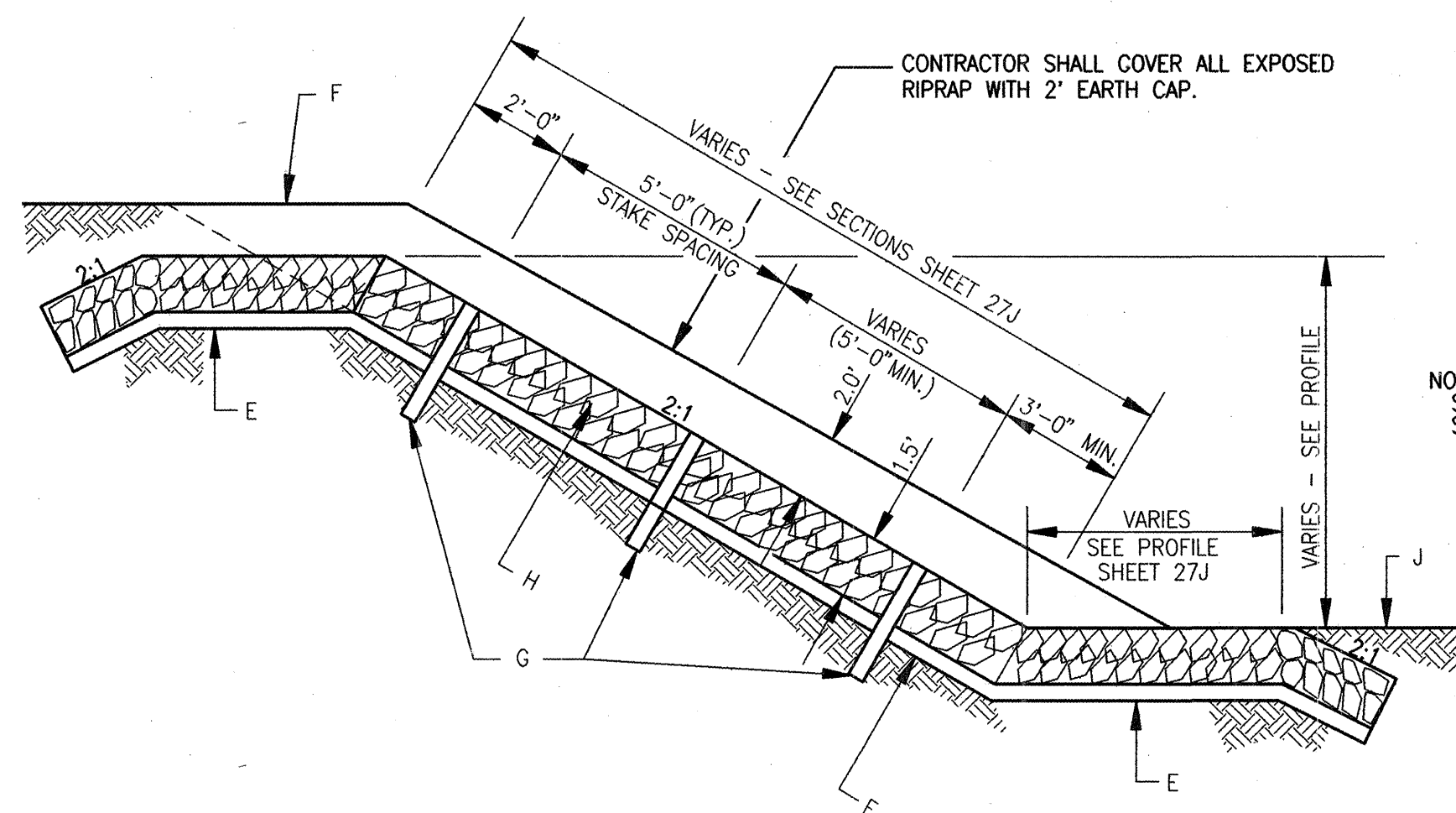
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
HIGH DESERT SUBDIVISION PHASE 1-B-1 DESILTATION PONDS DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B. A. A.	2-23-95	WATER	N/A	
TRANSPORTATION	N/A	2-10-95	WASTE WATER		
HYDROLOGY	J. A. A.	2-3-95			
DRAWING NO.	4809.95	MAP NO. E23	SHEET 8A	OF 11	



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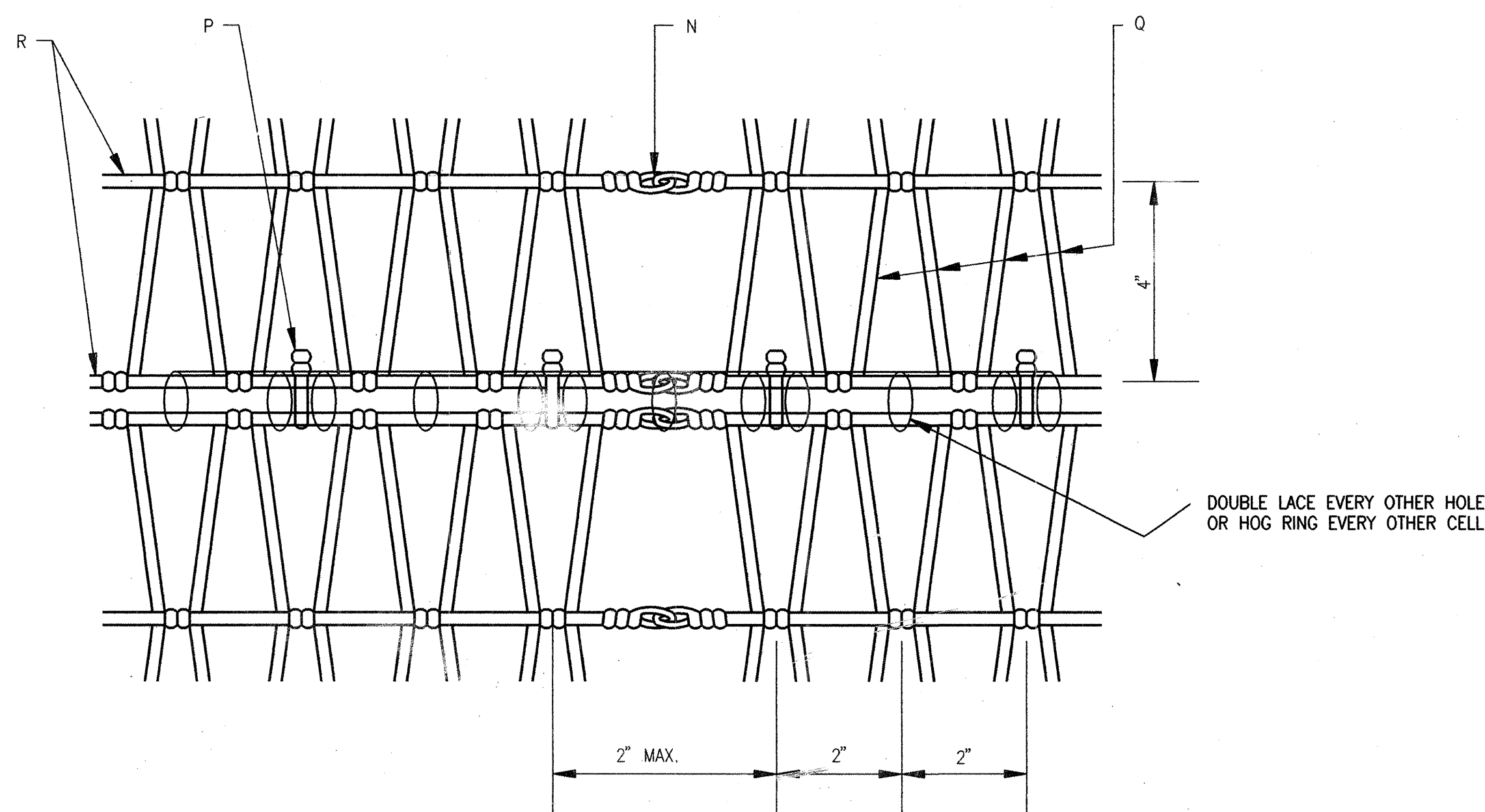
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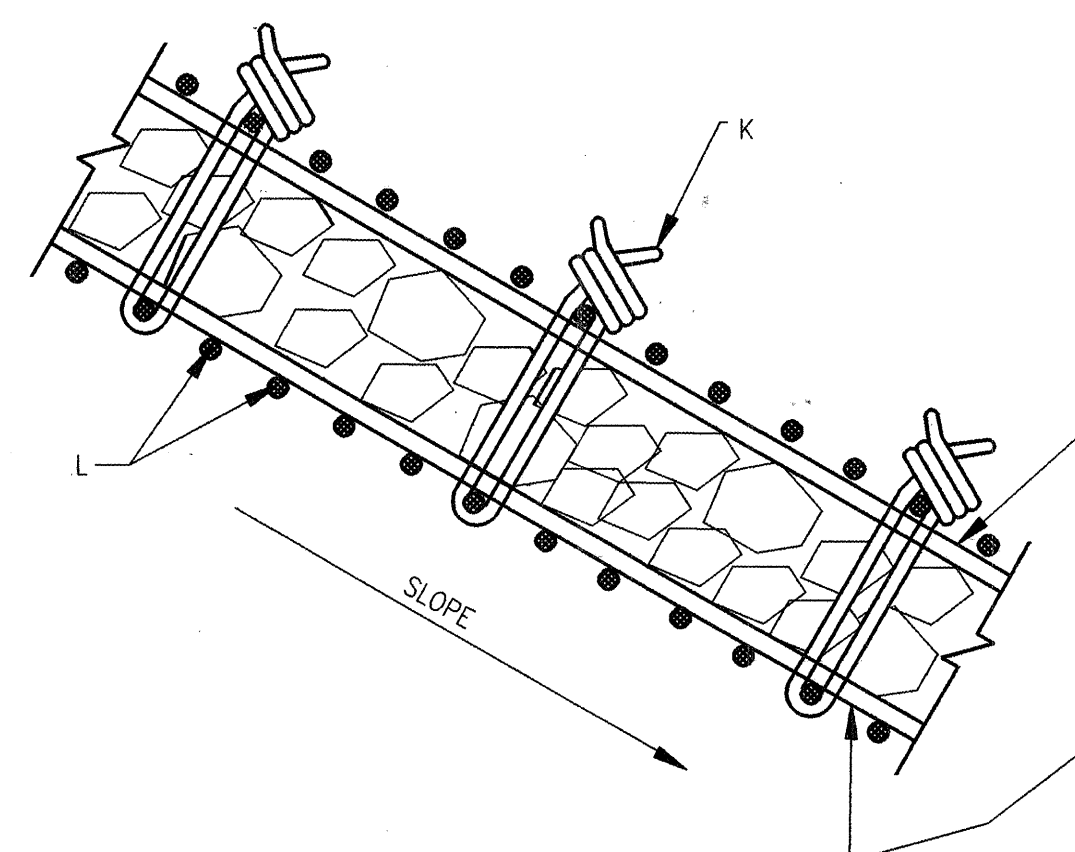



TYPICAL LONGITUDINAL RIPRAP RUNDOWN SECTION

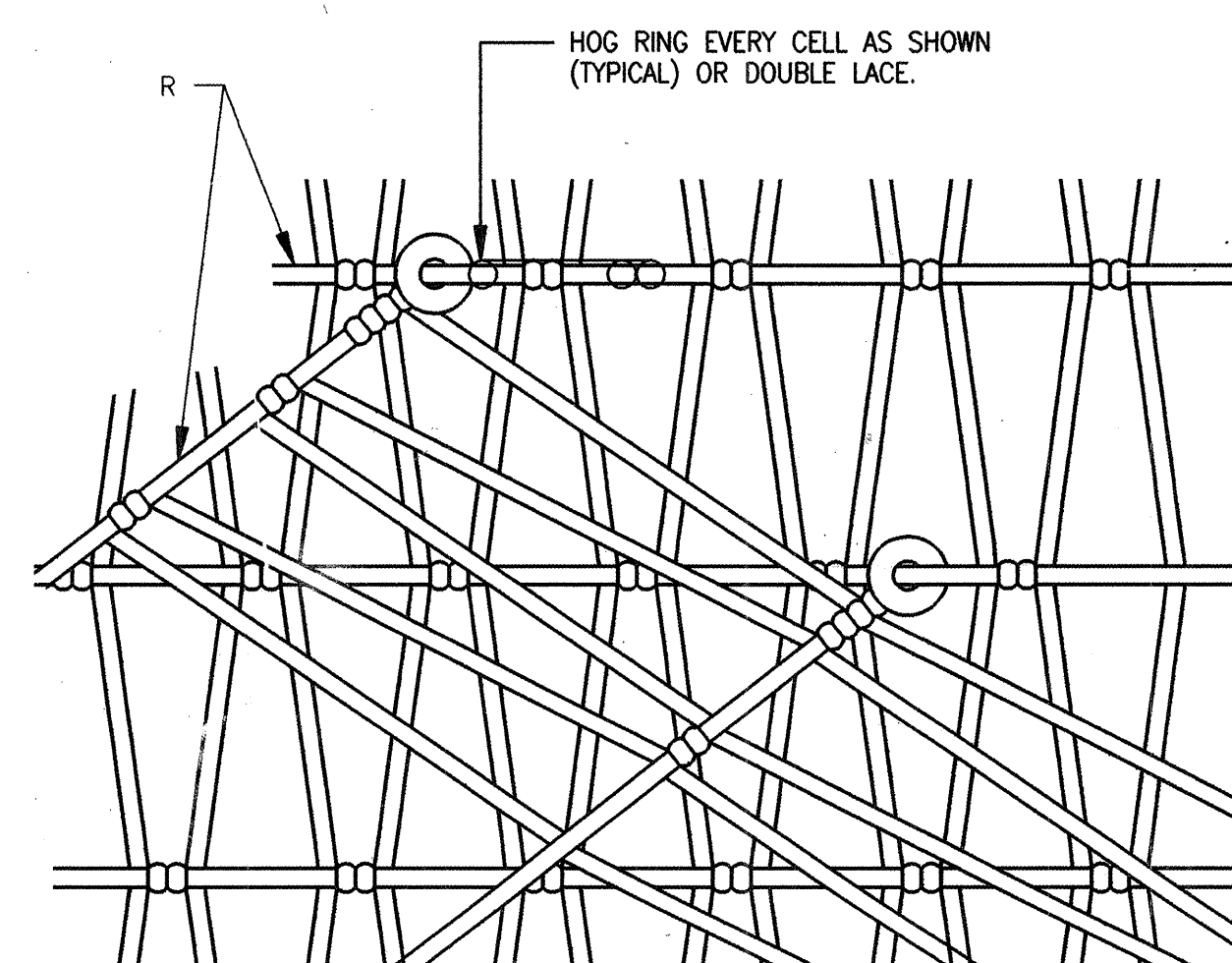
GRANULAR FILL GRADATION	
U.S. STANDARD SIEVE SIZE	PERCENT PASSING BY WEIGHT
3/8"	100
#4	95-100
#16	45-90
#50	10-30
#100	2-10
#200	0-2



DETAIL OF WIRE FABRIC AND NORMAL SPLICE



WIRE/SLOPE DETAIL



DETAIL OF SPLICE AT SKEWED INTERSECTIONS

RECORD DRAWING

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Harvey P. Phillips
LS No. 4767

GENERAL NOTES:

- CONTRACTOR SHALL BACKFILL WIRE-TIED RIPRAP TO MATCH DESIGN CONTOURS ON PLAN.
- WIRE-TIED RIPRAP GRADATION SHALL CONFORM TO CITY OF ALBUQUERQUE TYPE L RIPRAP DEFINED IN SECTION 109.
- THE CONTRACTOR CAN SUBSTITUTE BROKEN CONCRETE IN LIEU OF ROCK. BROKEN CONCRETE RUBBLE SHALL MEET THE SAME GRADATION REQUIREMENTS AS SECTION 109 AND SHALL BE SOUND AND CONTAIN NO FOREIGN MATERIAL SUCH AS ASPHALT, STEEL OR WIRE.
- CONTRACTOR CAN USE SUPPLIED FILTER GRADATION OR NEW MEXICO STATE HIGHWAY DEPARTMENT TYPE IIB BASE COURSE.
- THE CONTRACTOR CAN SUBSTITUTE GRAVEL FILTER WITH FILTER CLOTH. PAYMENT FOR FILTER CLOTH SHALL BE BY THE SQUARE FOOT, COMPLETE IN PLACE.
- BACKFILL ON RIPRAP SHALL BE COMPACTED TO 90% AS PER ASTM D1557.
- WIRE FABRIC IS TO BE GALV. V-MESH, APPROX. WEIGHT: 48 LBS. PER 100 SQ. FT.
- STEEL STAKES ARE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE WORK & NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
- CONTRACTOR SHALL DOUBLE LACE EVERY OTHER HOLE (OR HOG RING EVERY OTHER CELL) HORIZONTALLY AND VERTICALLY WHEN TYING EXISTING WIRE-TIED RIPRAP TO PROPOSED WIRE-TIED RIPRAP.

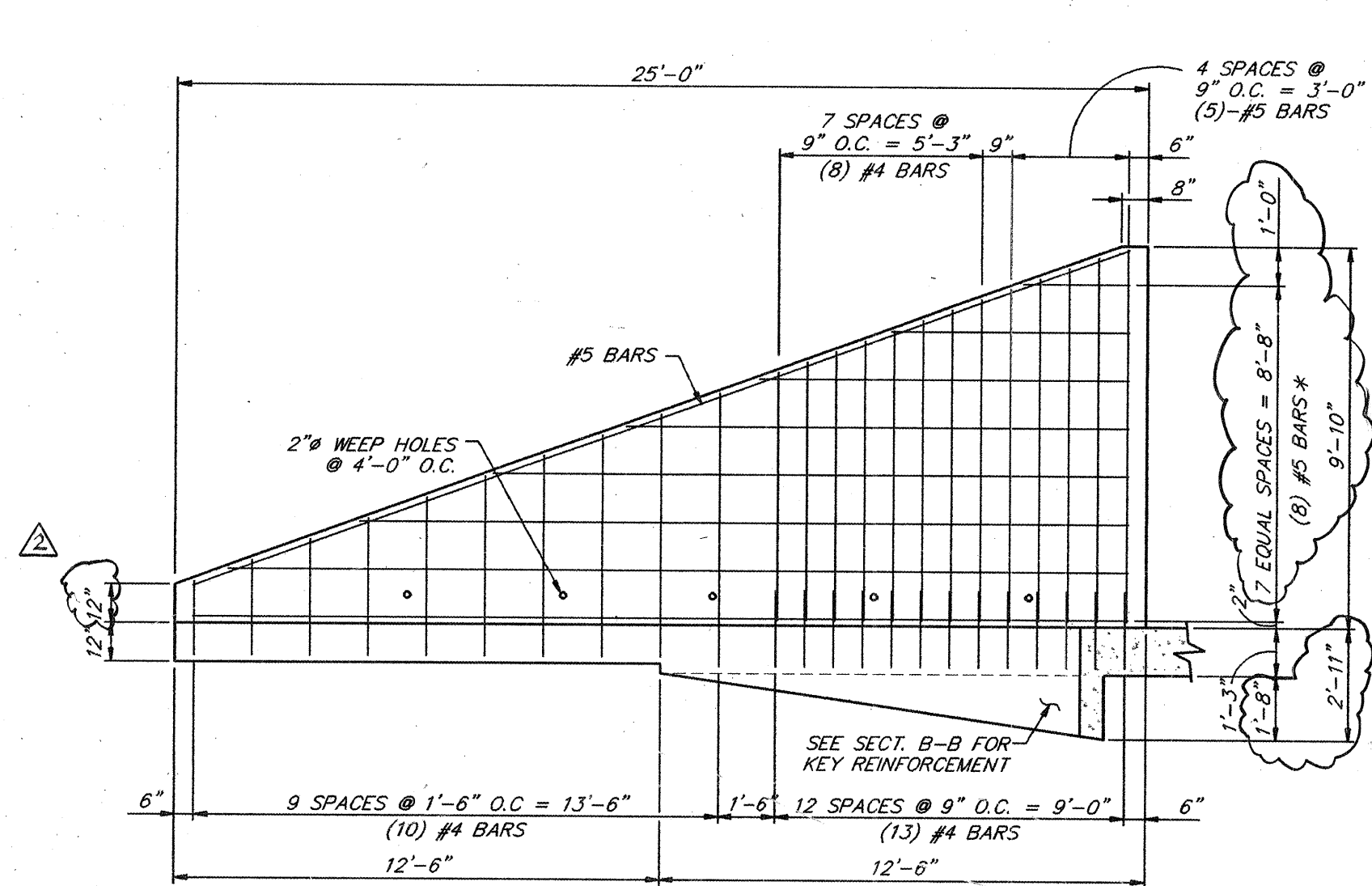
CONSTRUCTION NOTES:

- 6" GRANULAR FILTER MATERIAL.
- FILL & COMPACT AT 90% ASTM 1557 AFTER PLACEMENT OF RIPRAP.
- STEEL STAKES MAY BE RAILROAD RAILS NOT LESS THAN 30 LBS. PER FT., 4" O.D. STANDARD STRENGTH GALV. ST. PIPE OR 4x4x3/8 STEEL ANGLES. STEEL STAKES SHALL BE 5' LONG AND SHALL BE SPACED TRANSVERSELY 8' O.C. AND LONGITUDINALLY 5' O.C. STAKES SHALL BE RECESSED TO A MAX. OF 3" BELOW TOP OF RIPRAP.
- WIRE ENCLOSED RIPRAP.
- FINISHED GROUND LINE.
- NO. 9 GALV. WIRE TIES APPROX. 2' O.C. LONGITUDINALLY & TRANSVERSELY.
- MAIN WIRES TO BE PLACED PERPENDICULAR TO SLOPE.
- WIRE FABRIC.
- TRANSVERSE SPLICE.
- LONGITUDINAL SPLICE, NO. 9 GALV. WIRE TIES (TWO WRAPS ALTERNATE SPACES).
- CROSS WIRES: SINGLE 12 1/2 GAGE WIRES SPACED AT 2' WITH NOT LESS THAN TWO TURNS AROUND MAIN WIRES.
- MAIN WIRES: TWO NO. 12 1/2 GAGE STRANDED WIRES SPACED AT 4'.
- SUBGRADE COMPACTED TO 90% MAX. DENSITY AS PER ASTM D 1557, 6" MIN. DEPTH.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		APPROVALS		ENGINEER		DATE	
CONTRACTOR	NEW CONCEPTS INC.	DATE	7/95	TABLET	1989	BY	DATE	NO.	BY	DATE	NO.	DESIGNED BY	CWH	DRAWN BY	LAH	CHECKED BY	CWH, HCS
INSPECTOR	H. P. Phillips	DATE	7/95	LOCATED	APPROXIMATELY 489 FEET WEST AND 35 FEET NORTH OF THE INTERSECTION OF TENNYSON STREET AND SAN ANTONIO DRIVE.	NO.	DATE	NO.	BY	DATE	NO.	DESIGNED BY	CWH	DRAWN BY	LAH	CHECKED BY	CWH, HCS
FIELD VERIFICATION	DATE	7/95	PLANE COORDINATES	X=425 465.55 Y=1513 470.01	NO.	DATE	NO.	BY	DATE	NO.	DESIGNED BY	CWH	DRAWN BY	LAH	CHECKED BY	CWH, HCS	
CORRECTED BY	DATE	7/95	GROUND-TO-GRID FACTOR	0.99961970	NO.	DATE	NO.	BY	DATE	NO.	DESIGNED BY	CWH	DRAWN BY	LAH	CHECKED BY	CWH, HCS	
RECORDED BY	DATE	7/95	ELEVATION	6009.155 FEET	NO.	DATE	NO.	BY	DATE	NO.	DESIGNED BY	CWH	DRAWN BY	LAH	CHECKED BY	CWH, HCS	

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY					
HIGH DESERT SUBDIVISION PHASE 1-B-1					
WIRE ENCLOSED RIPRAP DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA					
TRANS. DIV. ARROYO	N/A	7/95	COA		
PROJECT NO.	4809.95	MAP NO.	E-23	SHEET	10 OF 11

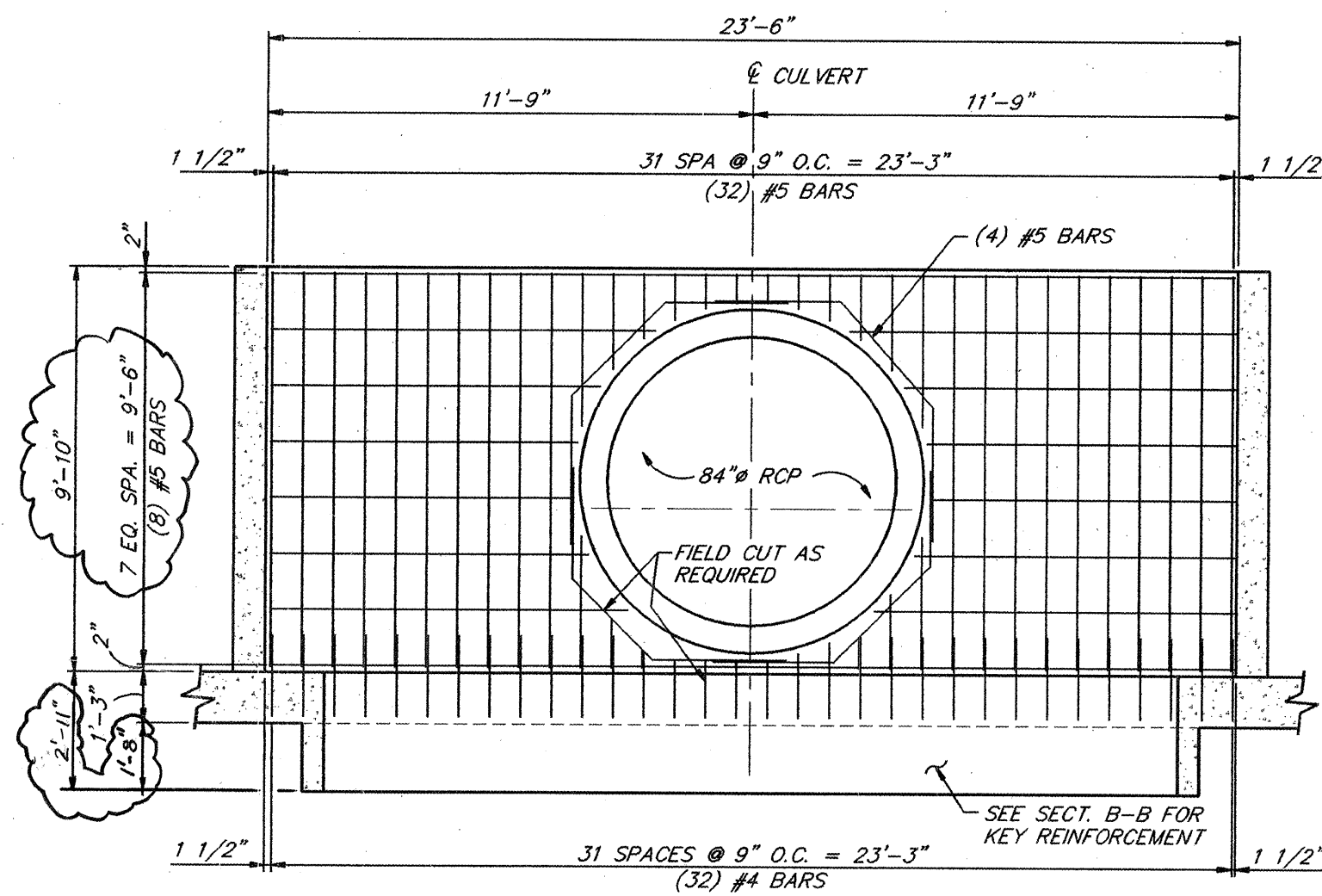
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26-4809.95 1095



LEFT WING ELEVATION

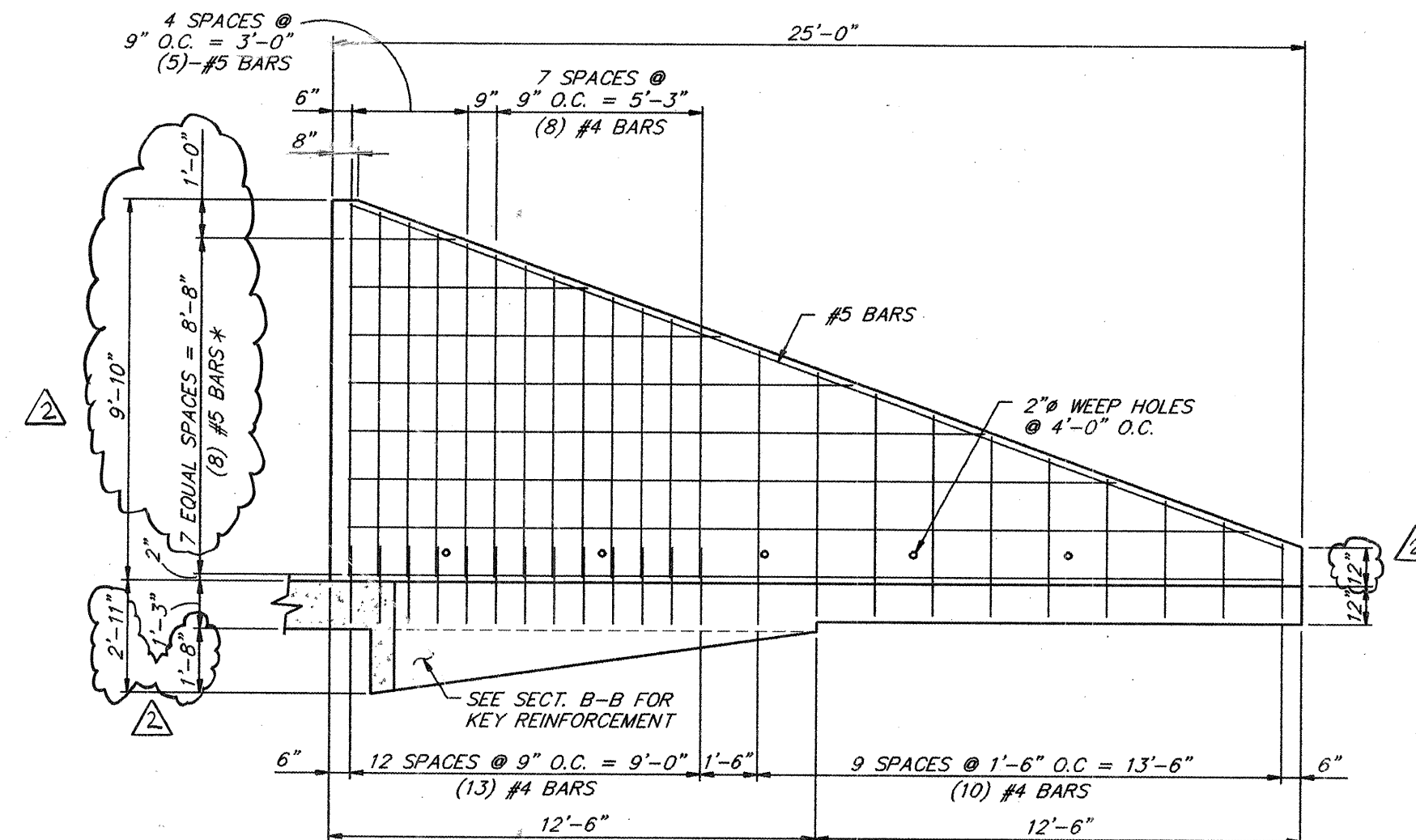
SCALE: 1/4" = 1'-0"

* EXTEND HORIZONTAL BARS INTO HEADWALL 18"



HEADWALL ELEVATION

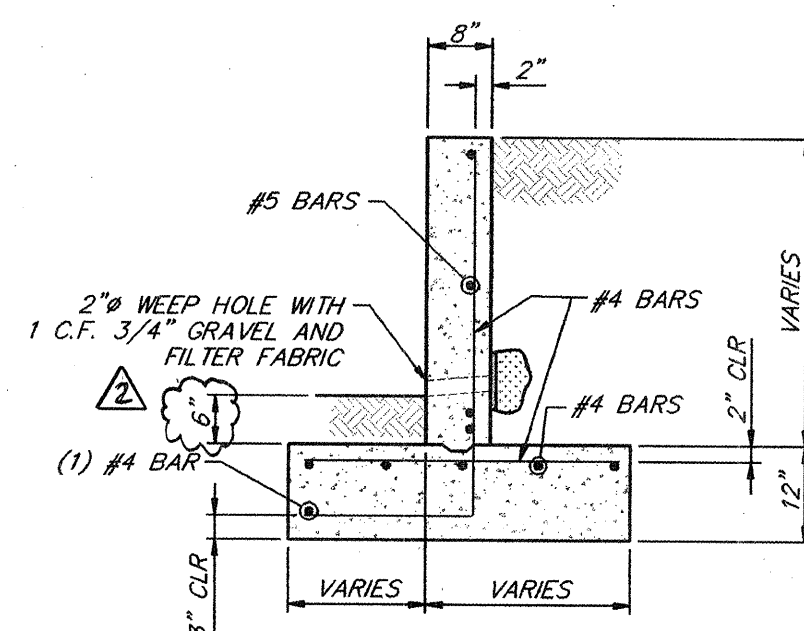
SCALE: 1/4" = 1'-0"



RIGHT WING ELEVATION

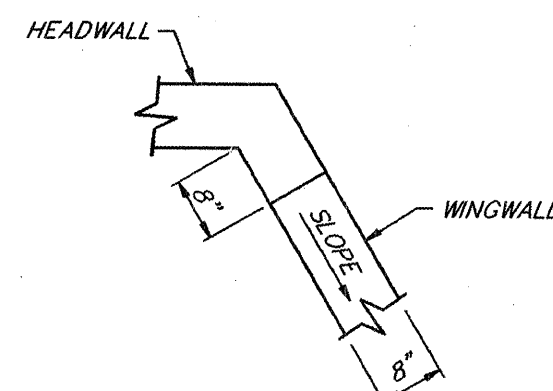
SCALE: 1/4" = 1'-0"

* EXTEND HORIZONTAL BARS INTO HEADWALL 18"



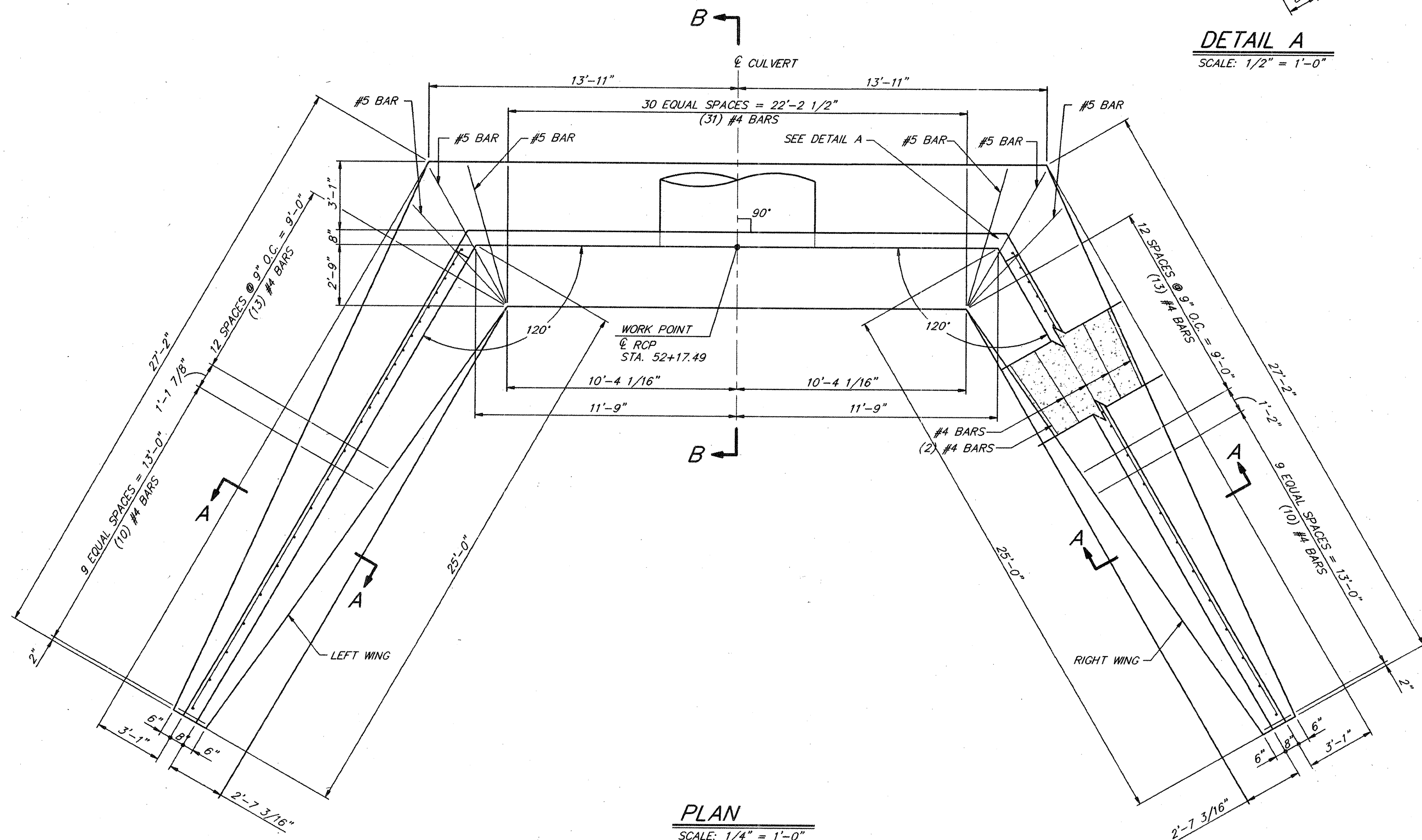
SECTION A-A

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



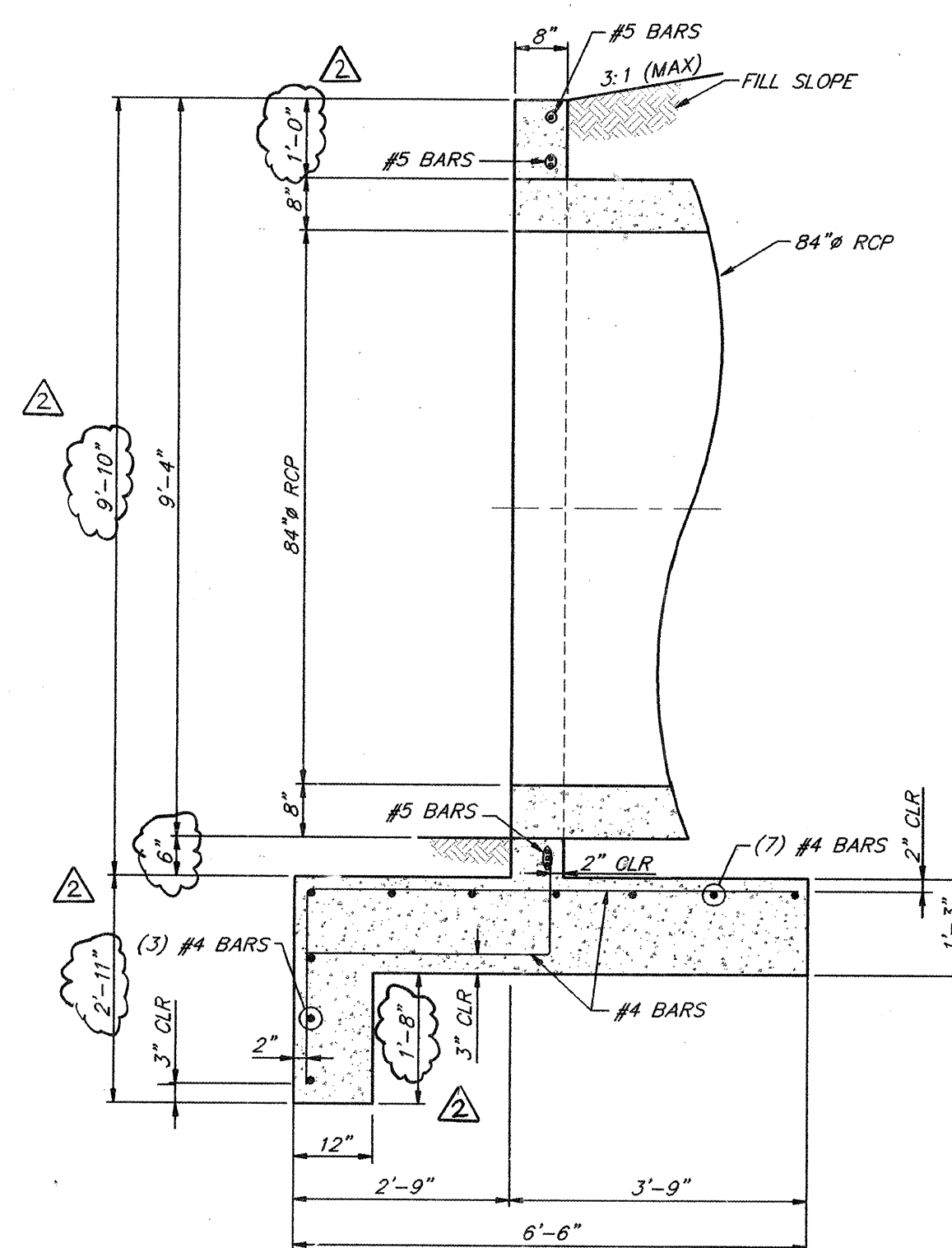
DETAIL A

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



PLAN

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



SECTION B-B

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

RECORD DRAWING

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Harvey P. Phillips
LS No. 4767



QUANTITIES

ITEM #	DESCRIPTION	CY
0510.11	STRUCT. CONC., 4000PSI RPPC	34

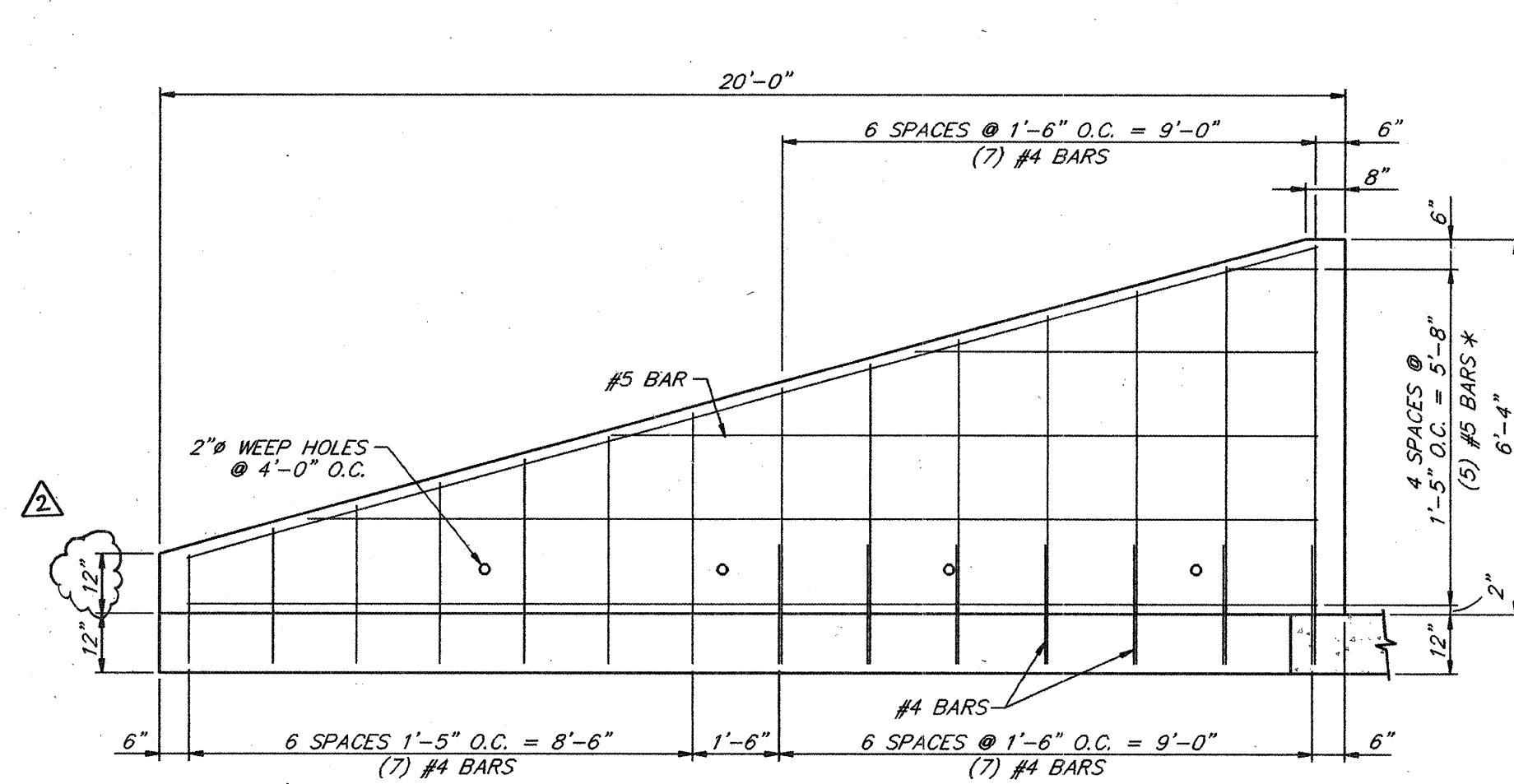
GENERAL NOTES

- WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS AMENDED WITH UPDATE #4.
- ALL CONCRETE SHALL BE 4000 P.S.I.
- CHAMFER ALL EXPOSED EDGES 3/4"
- ALL REINFORCING STEEL TO BE GRADE 60.
- HEAD WALL IS TO BE CAST MONOLITHIC WITH CULVERT PIPE.
- SLEEVES FOR WEEP HOLES, FILTER FABRIC AND GRAVEL AT WEEP HOLES SHALL BE INCIDENTAL TO THE WORK.
- SUPPORTING SOILS SHALL BE SCARIFIED 12" DEEP, MOISTENED TO NEAR OPTIMUM MOISTURE CONTENT ($\pm 3\%$) AND COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
- ALL LAP SPICES SHALL BE CLASS B. (ACI 318-89)

DESIGN DATA

DESIGN ACCORDING TO ACI 318-89
EQUIVALENT FLUID EARTH PRESSURE: ACTIVE = 35 PCF
WEIGHT OF SOIL = 120 PCF
FILL SLOPE 3:1 (MAX)
COEFFICIENT OF FRICTION = 0.40
MAXIMUM COMPUTED FOOTING PRESSURE = 2000 PSF
DESIGN STRESSES: $f_c = 4000$ PSI
 $f_y = 60,000$ PSI

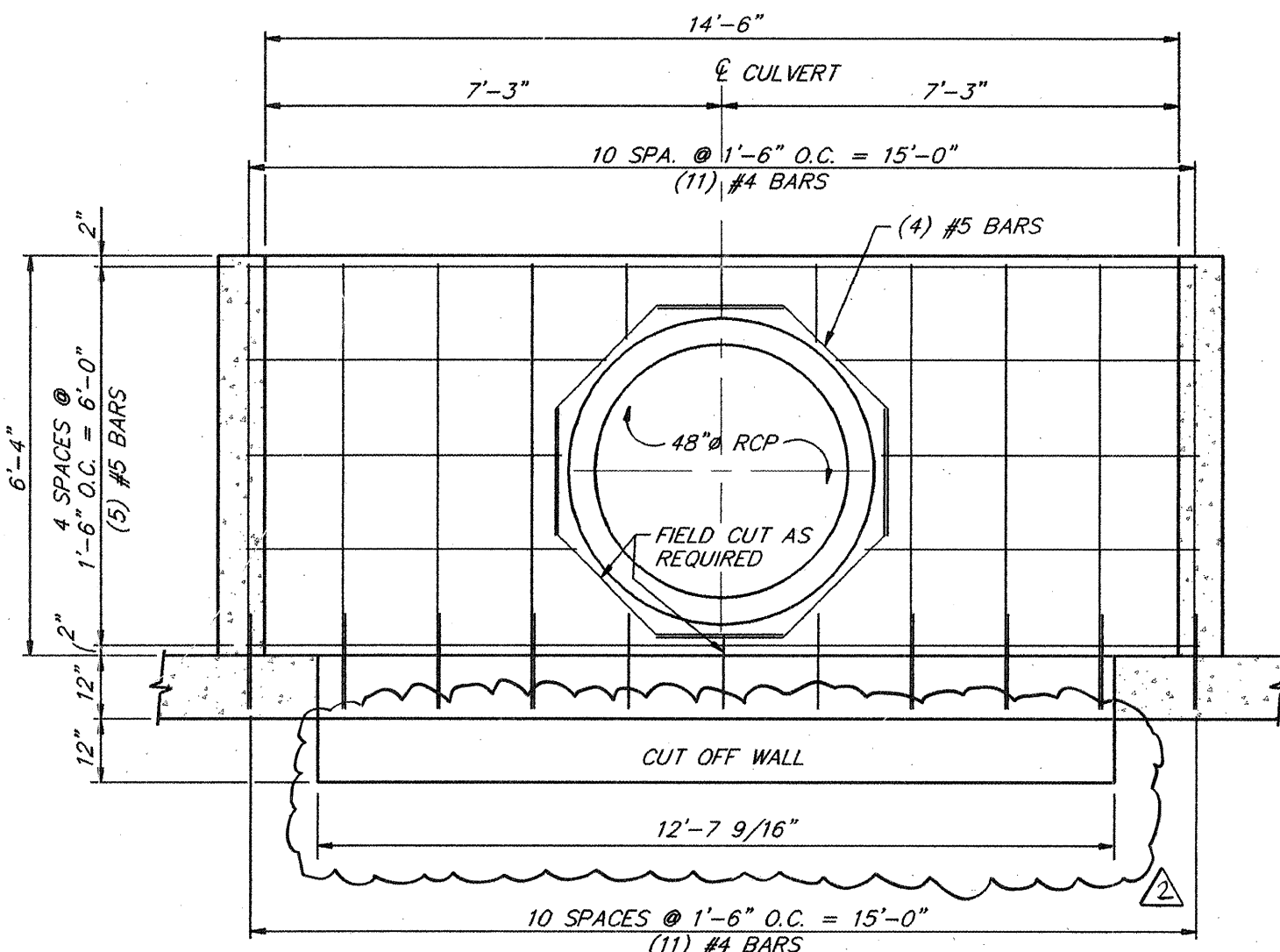
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
HIGH DESERT SUBDIVISION, PHASE 1-B-1 SPECIAL WINGWALL & HEADWALL FOR 84" RCP STA. 52+17.49					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR		10/95	WATER		
TRANS. DEV.			WASTE WATER		
HYDROLOGY					
PROJECT NO. 4809.95		MAP NO.		SHEET 11B OF 11	



LEFT WING ELEVATION

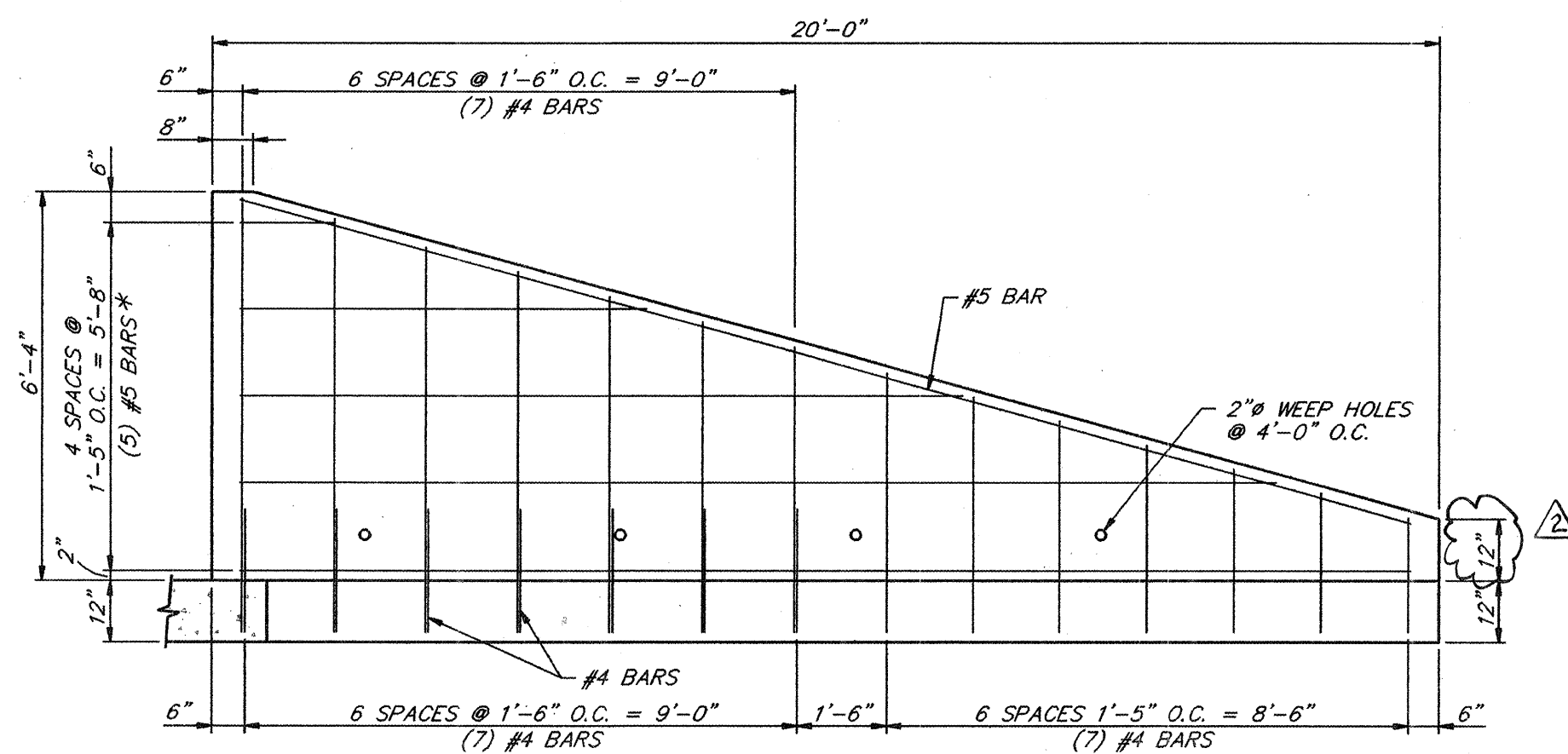
SCALE: 3/8" = 1'-0"

* EXTEND HORIZONTAL BARS INTO HEADWALL 18"



HEADWALL ELEVATION

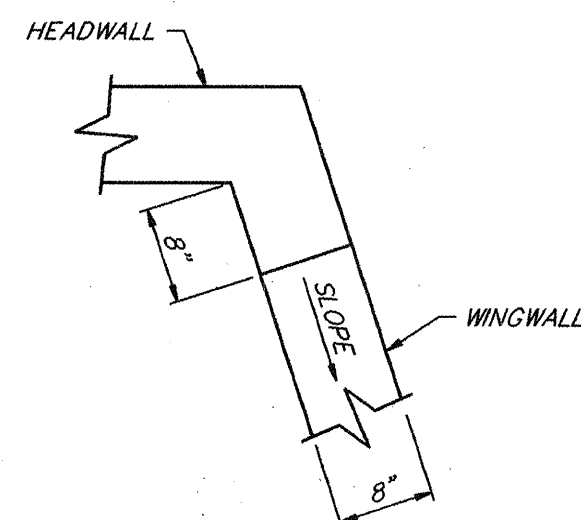
SCALE: 3/8" = 1'-0"



RIGHT WING ELEVATION

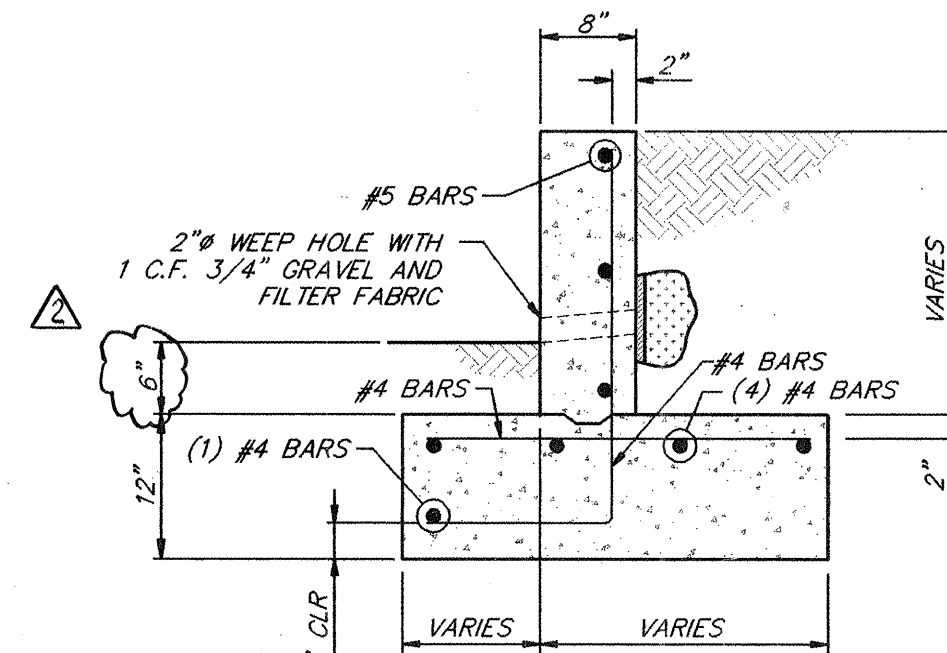
SCALE: 3/8" = 1'-0"

* EXTEND HORIZONTAL BARS INTO HEADWALL 18"



DETAIL A

SCALE: 3/4" = 1'-0"



SECTION A-A

SCALE: 3/4" = 1'-0"

- GENERAL NOTES**
- WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS AMENDED WITH UPDATE #4.
 - ALL CONCRETE SHALL BE 4000 PSI.
 - CHAMFER ALL EXPOSED EDGES 3/4"
 - ALL REINFORCING STEEL TO BE GRADE 60.
 - HEAD WALL IS TO BE CAST MONOLITHIC WITH CULVERT PIPE.
 - SLEEVES FOR WEEP HOLES, FILTER FABRIC, AND GRAVEL AT WEEP HOLES SHALL BE INCIDENTAL TO THE WORK.
 - SUPPORTING SOILS SHALL BE SCARIFIED 12" DEEP, MOISTENED TO NEAR OPTIMUM MOISTURE CONTENT (+3%) AND COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
 - ALL LAP SPICES SHALL BE CLASS B. (ACI 318-89)

DESIGN DATA

DESIGN ACCORDING TO ACI 318-89
EQUIVALENT FLUID EARTH PRESSURE: ACTIVE = 35 PCF
PASSIVE = 325 PCF

WEIGHT OF SOIL = 120 PCF
FILL SLOPE 3:1 (MAX)
COEFFICIENT OF FRICTION = 0.40
MAXIMUM COMPUTED FOOTING PRESSURE = 2000 PSF
DESIGN STRESSES: $f_c = 4000$ PSI
 $f_y = 60,000$ PSI

ITEM #	DESCRIPTION	CY
0510.11	STRUCT. CONC., 4000PSI RPPC	16

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.

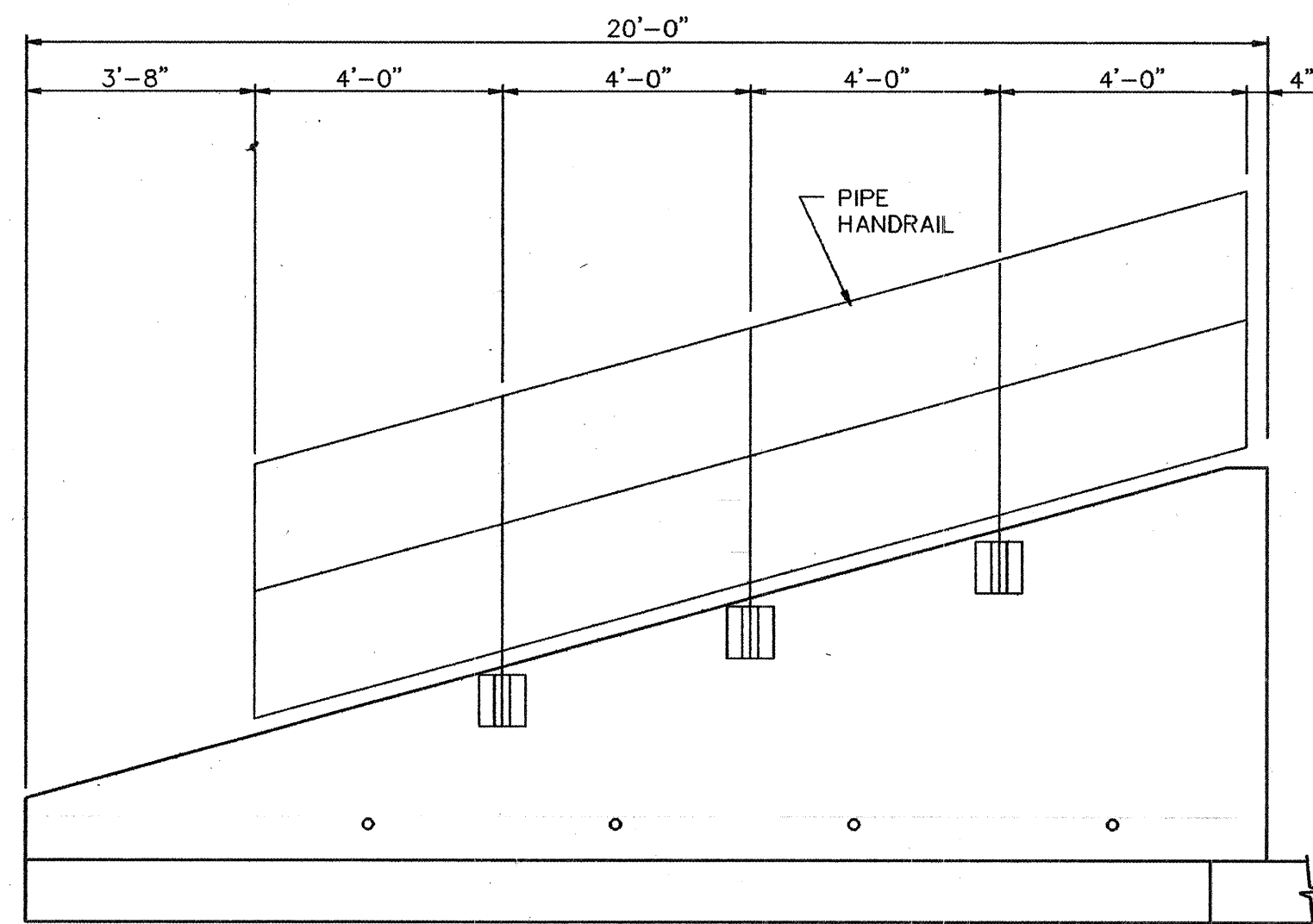
Harvey P. Phillips
LS No. 4767

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT SUBDIVISION, PHASE 1-B-1
SPECIAL WINGWALL & HEADWALL FOR 48" RCP
STA. 35+17.15

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTE WATER		
HYDROLOGY					

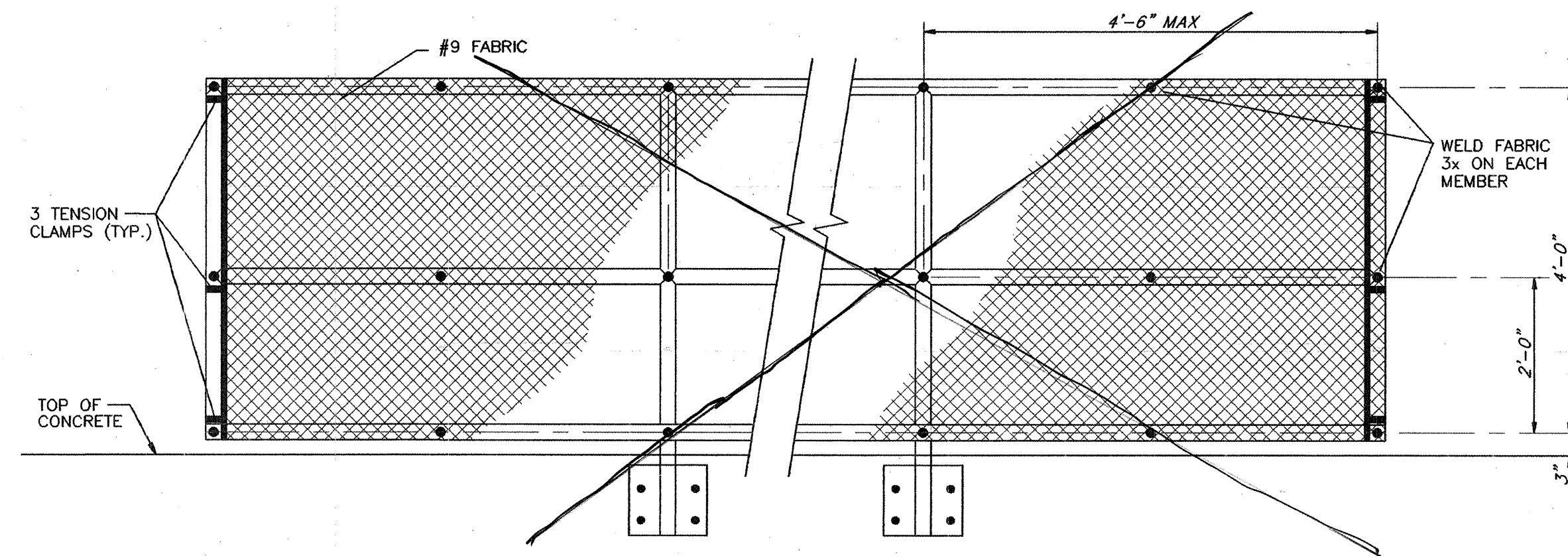
PROJECT NO. 4809.95
MAP NO. SHEET 11A OF 11



ELEVATION

SCALE: 3/8" = 1'-0"

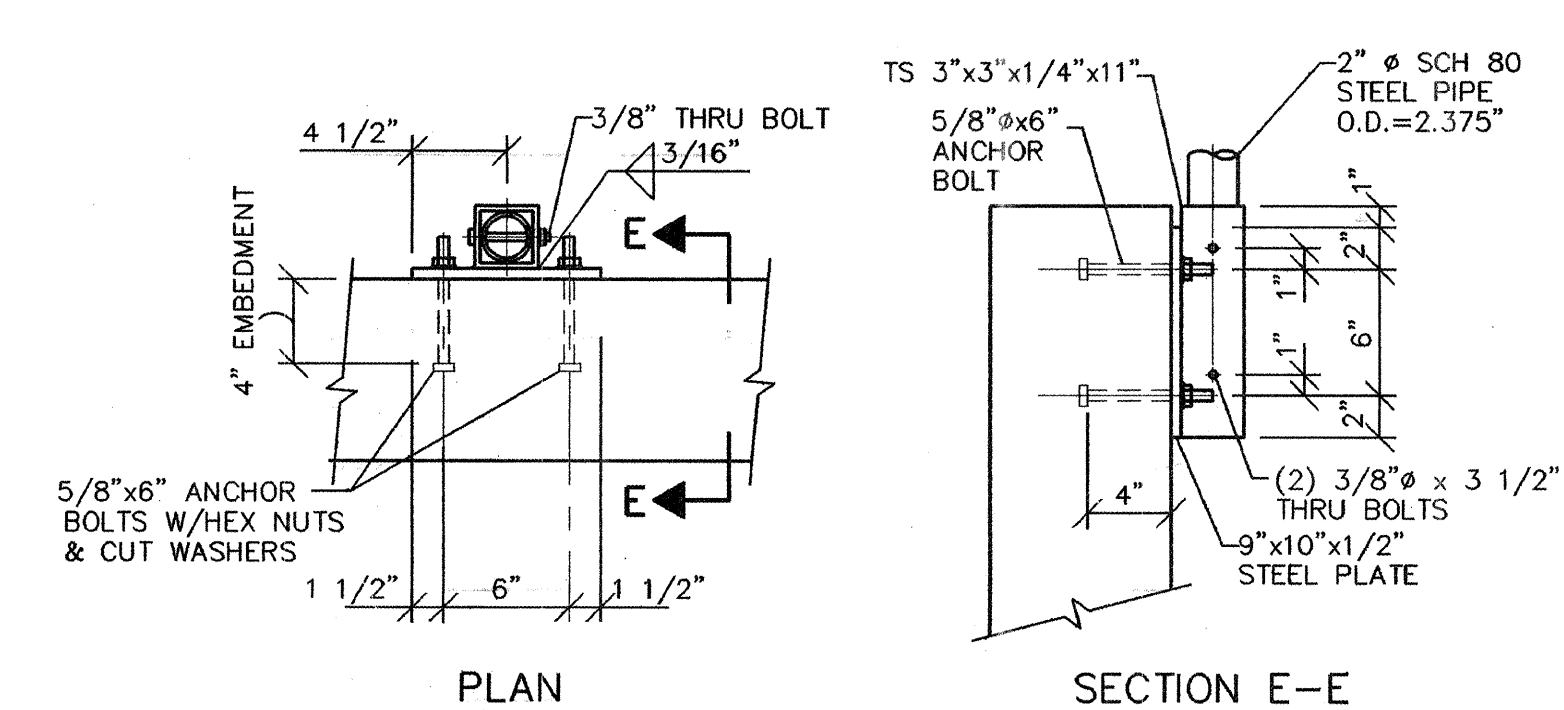
NOTE: SEE SHEET 11A FOR HEADWALL AND WINGWALL LAYOUT AND DETAILS



NOTE: TOP RAIL IS CONTINUOUS, BOTTOM RAIL AND POSTS ARE SADDLE CUT.

FENCE DETAIL

NO SCALE Deleted Per Owner's Request



FENCE POST CONNECTOR DETAILS

NO SCALE

GENERAL NOTES

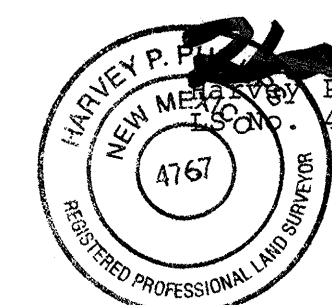
1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1996 EDITION, AS AMENDED WITH UPDATE #4.
2. ALL CONCRETE SHALL BE 4000 PSI.
3. CHAMFER ALL EXPOSED EDGES 3/4"
4. ALL REINFORCING STEEL TO BE GRADE 60.
5. SUPPORTING SOILS SHALL BE SCARIFIED 12" DEEP, MOISTENED TO NEAR OPTIMUM MOISTURE CONTENT ($\pm 3\%$) AND COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
6. ALL LAP SPLICES SHALL BE CLASS B. (ACI 318-89)

DESIGN DATA

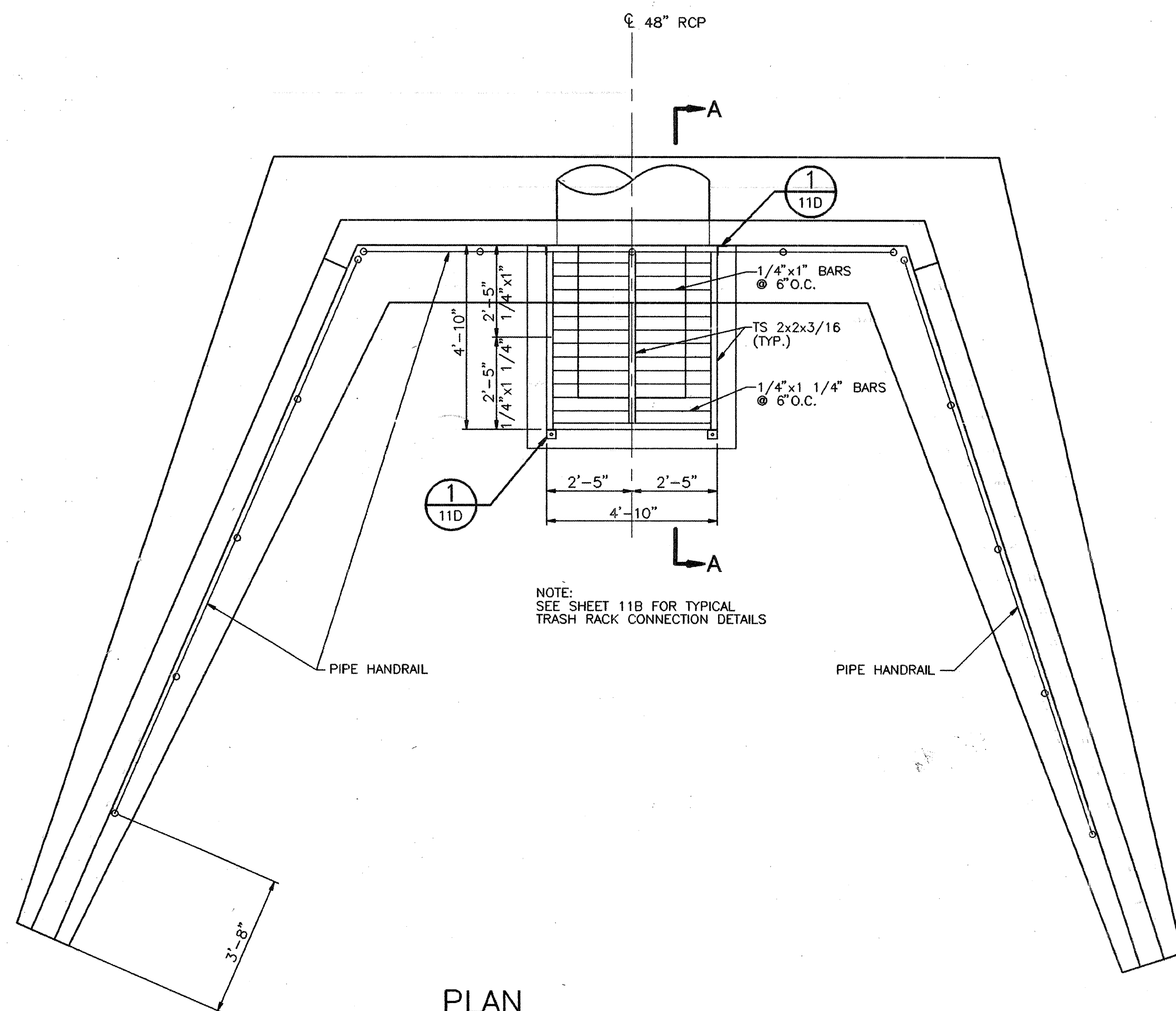
DESIGN STRESSES:
CONCRETE: $f'_c = 4000$ PSI
REINFORCING STEEL: $F_y = 60,000$ PSI GRADE 60
STRUCTURAL STEEL:
BARS ASTM A36: $F_y = 36$ KSI
STRUCTURAL TUBES ASTM A500: $F_y = 46$ KSI

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.

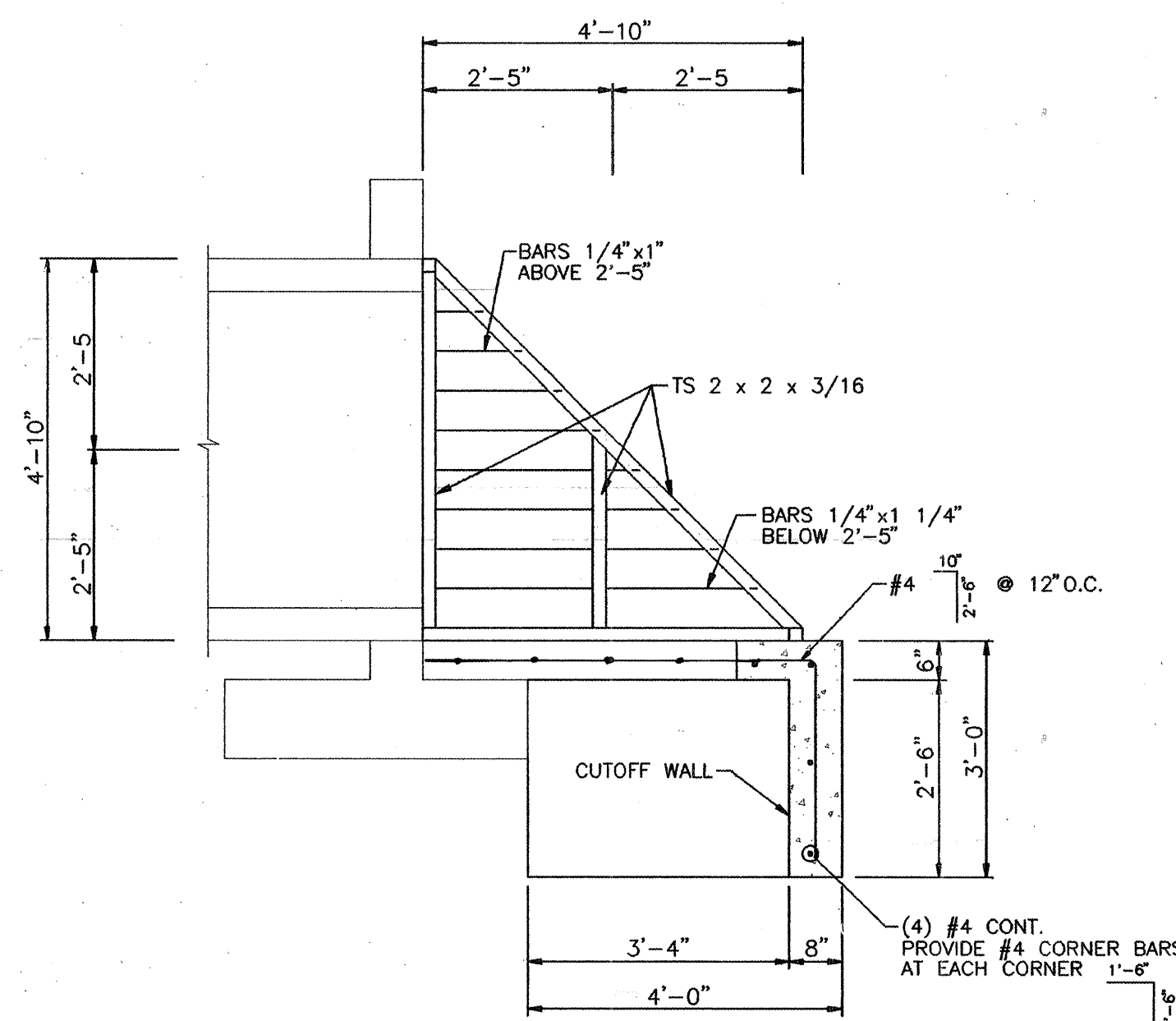


CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
HIGH DESERT SUBDIVISION, PHASE 1-B-1 TRASH RACK DETAILS, FENCE LAYOUT AND DETAILS AT 48" RCP HEADWALL AND WINGWALLS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTE WATER		
HYDROLOGY					
PROJECT NO.	4809.95	MAP NO.		SHEET 11C OF 11	



PLAN

SCALE: 3/8" = 1'-0"



SECTION A-A

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

