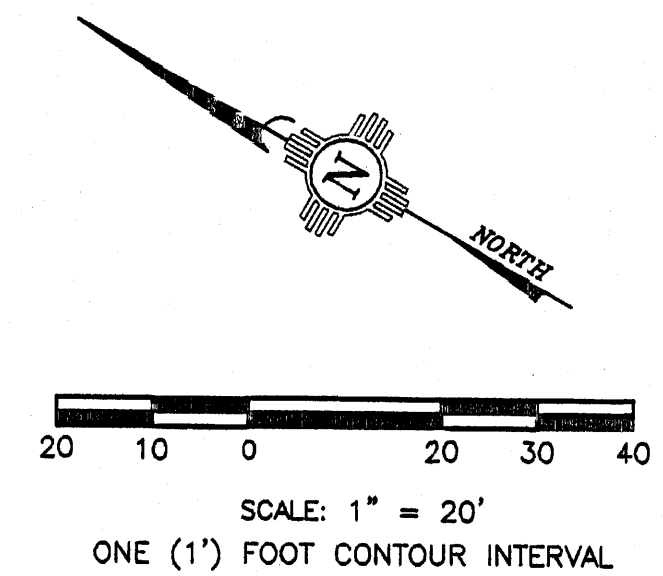
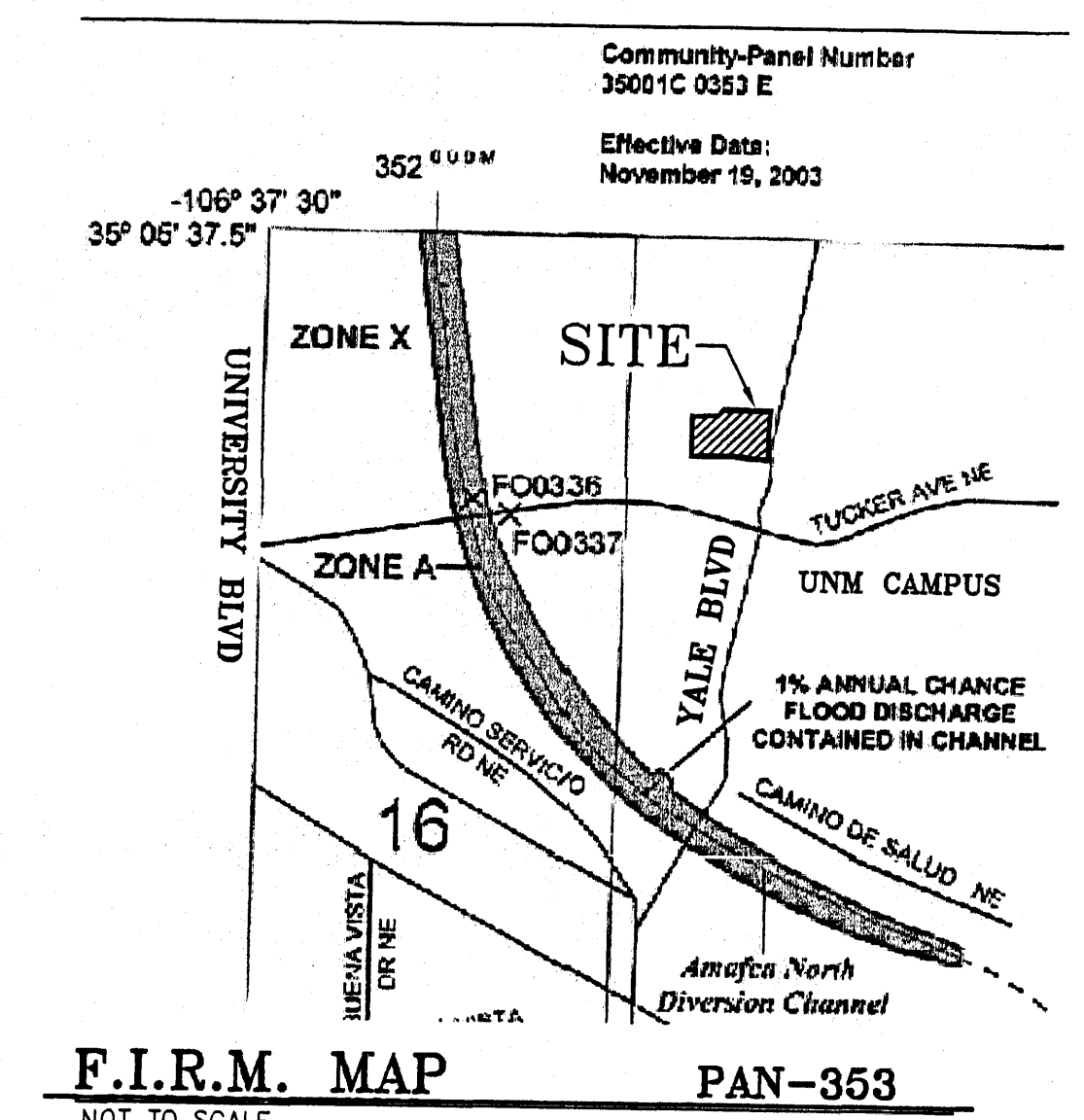


RIP RAP RUNDOWNS  
SCALE: 1" = 20'

1



SCALE: 1" = 20'  
ONE (1') FOOT CONTOUR INTERVAL



F.I.R.M. MAP  
NOT TO SCALE  
PAN-353

EXISTING ON-SITE CONDITIONS

THE PROJECT SITE IS CURRENTLY UNDEVELOPED AND CONSISTS OF NATIVE GRASSES. THE PROJECT SITE SLOPES IN A WESTERLY DIRECTION AT APPROXIMATELY 2% THE TOTAL AREA OF THE SITE IS 1.15 ACRES. THE LAND TREATMENTS ARE CATEGORIZED AS:  
A=100%, B=0%, C=0% AND D=0%  
OFFSITE FLOWS HAVE CREATED A NATURAL ARROYO LOCATED THROUGH THE NORTHERN PORTION OF THE SITE. ALL SITE FLOWS DISCHARGE TO THE NATURAL ARROYO.

PROPOSED DEVELOPMENT

THE PROPOSED PROJECT WILL BE A NEW BUILDING ADDITION WITH APPROXIMATELY 6271 S.F. THE TOTAL AREA OF THE PROPOSED IMPROVEMENTS ARE ESTIMATED AT 1.15 ACRES. THE PROPOSED PARKING LOT WILL CONSIST OF A CONCRETE STANDARD CURB & GUTTER PERIMETER, HEADER CURB AND NEW ASPHALT PAVED SURFACE WITH CONCRETE VALLEY CUTTER AS REQUIRED TO PROVIDE POSITIVE DRAINAGE IN PAVED AREAS. THE PARKING LOT AREA AS WELL AS RUNOFF FROM THE NEW BUILDING WILL DRAIN NORTH AND WEST TO THE NEW 6424 CUBIC FOOT RETENTION POND LOCATED AT THE NORTHWEST CORNER OF THE PROPERTY. THE EAST SIDE OF THE PROPERTY AS WELL AS RUNOFF FROM OFFSITE OS-1 WILL DRAIN ALONG THE SOUTH SIDE OF THE PROPERTY TO A DROP INLET. THE NEW PARKING LOT WILL DRAIN TO THE NORTH INTO THE NEW RETENTION POND. THE LAND TREATMENTS UNDER PROPOSED CONDITIONS ARE CATEGORIZED AS: A=0%, B=17%, C=16% AND D=67%.

STORMWATER ROUTING

AS PREVIOUSLY MENTIONED, ALL SITE RUNOFF DISCHARGES INTO A PROPOSED DETENTION POND, WHICH HAS BEEN SIZED FOR THE INCREASED VOLUME DUE TO THE DEVELOPMENT OF THE SITE DURING THE 100-YEAR, 24-HOUR EVENT. AN EMERGENCY SPILLWAY HAS BEEN PROVIDED TO SAFELY CONVEY THE 100-YEAR, 24-HOUR PEAK DISCHARGE OF 4.64 CUBIC FEET PER SECOND (CFS).

OFFSITE FLOWS

THIS PROJECT SITE DOES RECEIVE OFFSITE FLOWS FROM BASIN OS-1, AT THE EASTERN BOUNDARY OF THE PROPERTY. THE ENTIRE SITE IS ELEVATED BECAUSE OF THE FINISH FLOOR ELEVATION OF THE BUILDING ADDITION AND HAS GREATER WATER BLOCK. ALL OFFSITE RUNOFF WILL BE COLLECTED IN A DOUBLE "D" DRAINAGE INLET AND A PROPOSED 24" STORM DRAIN PIPE TO ITS NATURAL ARROYO OUTFALL LOCATION. FLOWS FROM BASIN OS-2 DO NOT IMPACT THE PROPOSED SITE AND DISCHARGE DOWN THE EXISTING GRAVEL DRIVEWAY NORTH OF THE SITE AND TO THE NATURAL ARROYO WEST OF THE PROJECT SITE.

DRAINAGE DATA

HYDROLOGY

Precipitation Zone 2 - 100-year Storm		P(360) = 2.35 in		P(1440) = 2.75 in	
Basin	Area (Ac)	A	B	C	D
Existing Conditions	1.15	0.00	0.00	0.00	0.00
OS-1	2.41	0.00	0.00	0.77	1.64
OS-2	0.86	0.00	0.00	0.39	0.47
Proposed Conditions	1.15	0.00	0.20	0.18	0.77
Site	1.15	0.00	0.20	0.18	0.77
Total	1.15	0.00	0.20	0.18	0.77

Precipitation Zone 2 - 10-year Storm

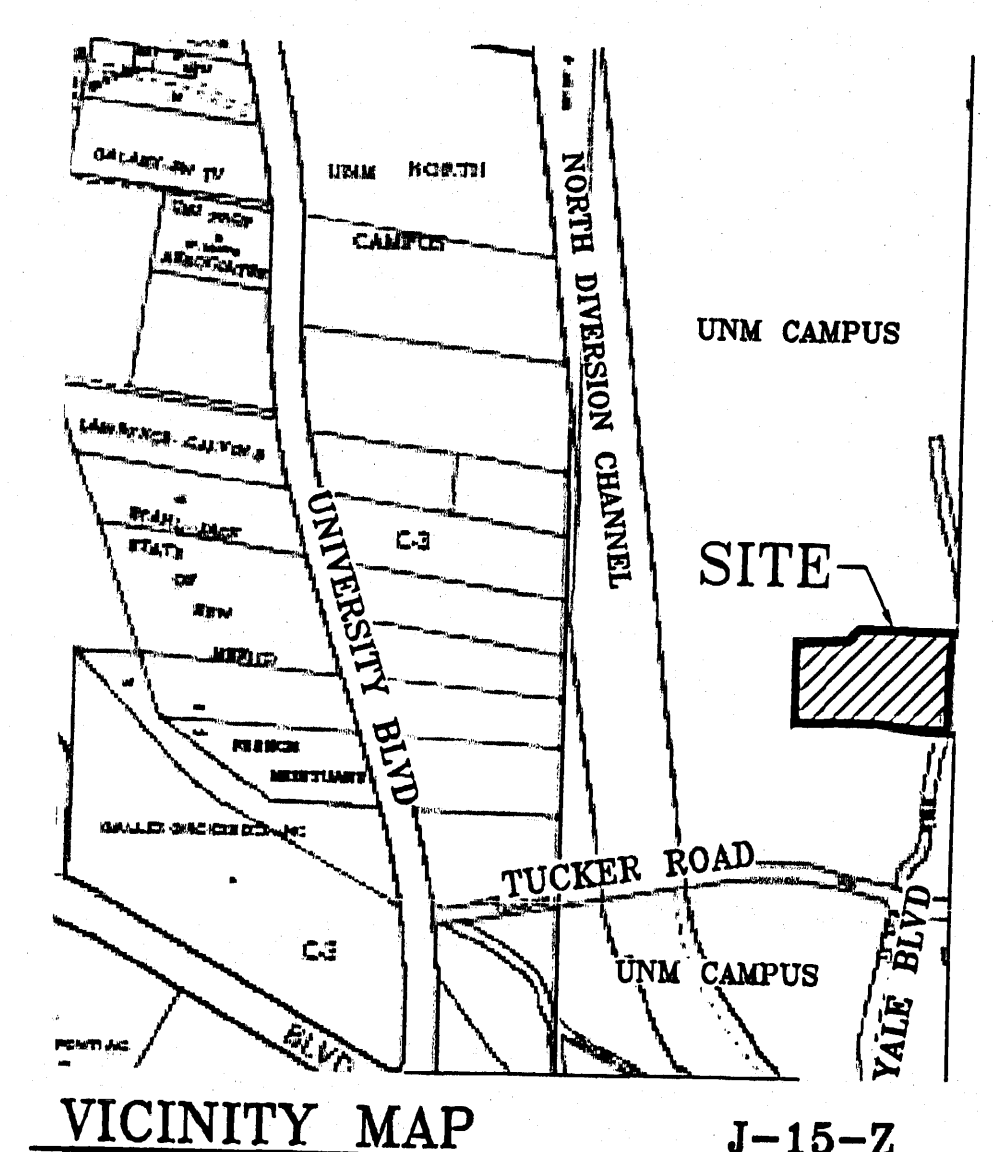
Basin	Area (Ac)	A	B	C	D
Existing Conditions	1.15	0.00	0.00	0.00	0.00
OS-1	2.41	0.00	0.00	0.77	1.64
OS-2	0.86	0.00	0.00	0.39	0.47
Proposed Conditions	1.15	0.00	0.20	0.18	0.77
Site	1.15	0.00	0.20	0.18	0.77
Total	1.15	0.00	0.20	0.18	0.77

POND VOLUME REQUIRED  
 $\Delta V_{100-24} = (0.192 \text{ AF} - 0.051 \text{ AF}) 43560 \text{ CF/AF} = 6141.96 \text{ CF}$

POND VOLUME PROVIDED

Area	Elevations	Increment Vol	Volume
1,003.05	5148.0	0.00	0.00
1,774.81	5147.0	1,388.93	1,388.93
2,585.66	5146.0	2,180.25	3,569.18
3,429.22	5145.0	3,007.45	6,576.63
3,863.09	5144.5	1,823.08	8,399.70

TOP OF POND = 5149.50  
TOP OF SPILLWAY = 5149.00



VICINITY MAP  
NOT TO SCALE  
J-15-Z

GENERAL NOTES:

- AS OF MARCH 10, 2003, THE USPA REQUIRES NPDES PERMIT COVERAGE FOR STORM WATER DISCHARGES FROM CONSTRUCTION PROJECTS (COMMON PLANS OF DEVELOPMENT) THAT WILL RESULT IN THE DISTURBANCE (OR RE-DISTURBANCE) OF ONE OR MORE ACRES, INCLUDING EXPANSIONS OF TOTAL LAND AREA.
- THE DEVELOPER SHOULD BE MADE AWARE THAT THE USEPA REQUIRES THAT ALL "OPERATORS" (SEE FEDERAL REGISTER/VOL. 63, NO. 128 / MONDAY, JULY 6, 1999 PG 36509) OBTAIN NPDES PERMIT COVERAGE FOR CONSTRUCTION PROJECTS. GENERALLY THIS MEANS THAT AT LEAST TWO PARTIES WILL REQUIRE PERMIT COVERAGE. THE OWNER/DEVELOPER OF THIS CONSTRUCTION PROJECT WHO HAS OPERATIONAL CONTROL OVER THE PROJECT SPECIFICATIONS, THE GENERAL CONTRACTOR WHO HAS DAY-TO-DAY OPERATIONAL CONTROL OF THOSE ACTIVITIES AT THE SITE, WHICH ARE NECESSARY TO ENSURE COMPLIANCE WITH THE STORM WATER POLLUTION PLAN AND OTHER CONDITIONS, AND POSSIBLY OTHER "OPERATORS" THAT WILL REQUIRE APPROPRIATE NPDES PERMIT COVERAGE FOR THIS PROJECT.
- THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- CONTRACTOR SHALL OBTAIN A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO ANY GRADING OR CONSTRUCTION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OR EXISTING UTILITIES.
- BACKFILL AND COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER(S) OF THE PROPERTY SERVED.
- ALL CONCRETE SHALL BE A MINIMUM OF 3000 P.S.I.
- PROJECT BENCHMARK: ACS 1 3/4" ALUMINUM DISK STAMPED "ACS BM, 12-115", EPOXYED ON TOP OF THE EAST END OF CONCRETE RETAINING WALL, AT THE NORTH PROPERTY LINE OF ADDRESS 1131 UNIVERSITY BOULEVARD, WEST OF THE WEST BACK OF CURB LINE OF UNIVERSITY BOULEVARD.  
ELEVATION = 5108.82 FEET (NGVD 1929)
- ALL EXISTING TOPOGRAPHIC DATA SHOWN ON THESE PLANS HAS BEEN PROVIDED BY NCA ARCHITECTS. MILLER ENGINEERING CONSULTANTS HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION.
- THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- ALL PAVEMENT, BASE COURSE AND SUBGRADE PREPARATION THICKNESS SHALL BE PROVIDED BY THE SOILS ENGINEER FOR THIS PROJECT.
- ALL DISTURBED AREA SHALL RECEIVE CLASS "A" SEEDING IN ACCORDANCE WITH THE NMDOT BLUE BOOK. ALL DISTURBED AREAS WITH SLOPES GREATER THAN 3:1 SHALL RECEIVE A LANDSCAPE FABRIC WITH 3 INCHES OF GRAVEL MULCH.
- ALL HOPE STORM DRAIN PIPE MUST HAVE WATER TIGHT JOINTS.

KEYED NOTES:

- STANDARD CURB & GUTTER PER DETAIL ON SHEET C-102.
- CONCRETE HEADER CURB PER COA STD DWG 24158.
- STORM DRAIN INLET PER COA STD DWG 2206.  
GRADE: 47.10, INV=43.10.  
N=388,934.42, E=1,489,610.20 CENTER OF GRATE.
- STORM DRAIN MANHOLE TYPE "E", PER COA STD DWG 2102.  
RIM=50.82, INV (N)=42.59, INV (OUT)=42.49  
N=388,899.03, E=1,489,699.53  
WITH COVER PER COA STD DWG 2110.
- SLOPE GRADING BEYOND CURB TO BE 3:1, UNLESS OTHERWISE NOTED. SEE GENERAL NOTE 12.
- HANDICAP RAMP AND HANDICAP SIGNS PER ARCHITECTURAL PLANS.
- RIPRAP (ENCLOSED) TYPE "A", PER COA STD DWG 2270.  
SEE DETAIL SECTION A-A, SHEET C-102.
- RIPRAP (LOOSE) TYPE "B", PER COA STD DWG 2270.
- CONCRETE RUNDOWN PER COA STD DWG 2260 AND 2261.
- CONCRETE VALLEY GUTTERS, 2' WIDE PER COA STD 2415A (ALLEY GUTTER), 110.52 LF AND 133.02LF.
- DIRT SWALES TO BE 3' WIDE MINIMUM, WITH A 6" DEEP FLOWLINE.
- 18" WIDE CURB CUT.
- MATCH EXISTING.
- CONCRETE SIDEWALK PATTERN, SEE ARCHITECTURAL PLANS.
- LANDSCAPE AREA, SEE ARCHITECTURAL PLANS.
- APPROXIMATE LOCATION OF PROPOSED LEASE PROPERTY LINE.
- 24" HOPE STORM DRAIN PIPE. SLOPE=1.00%, 92.43 LF.
- 24" STORM DRAIN PIPE. SLOPE=1.00%, 64.77 LF  
OUTLET = N=388,927.80, E=1,489,756.44, INV=5141.60
- DIRECT FLOW FROM SWALE IN THIS AREA TO PROPOSED DOUBLE "D" DROP INLET.
- 2.5' WIDE RIPRAP RUNDOWN 54.20 LF. SEE KEYED NOTE 8 AND DETAIL SHEET D-1.
- 12" WIDE OPENING, SIDEWALK CULVERT PER COA STD DWG 2236 WITH A STEEL PLATE.

MILLER ENGINEERING CONSULTANTS  
Engineers Planners

**NCA**  
ARCHITECTS - PLANNERS - AIA

1306 RIO GRANDE BLVD NW  
ALBUQUERQUE, NM 87104  
505-255-6400 505-258-8954 FAX  
WWW.NCA-ARCHITECTS.COM

ARCHITECT

CONSULTANT

PROJECT TITLE

**RONALD McDONALD HOUSE PHASE II EXPANSION**

ALBUQUERQUE NEW MEXICO

REVISIONS:

NO.	DATE	DESCRIPTION
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PROJECT NUMBER

A05.16

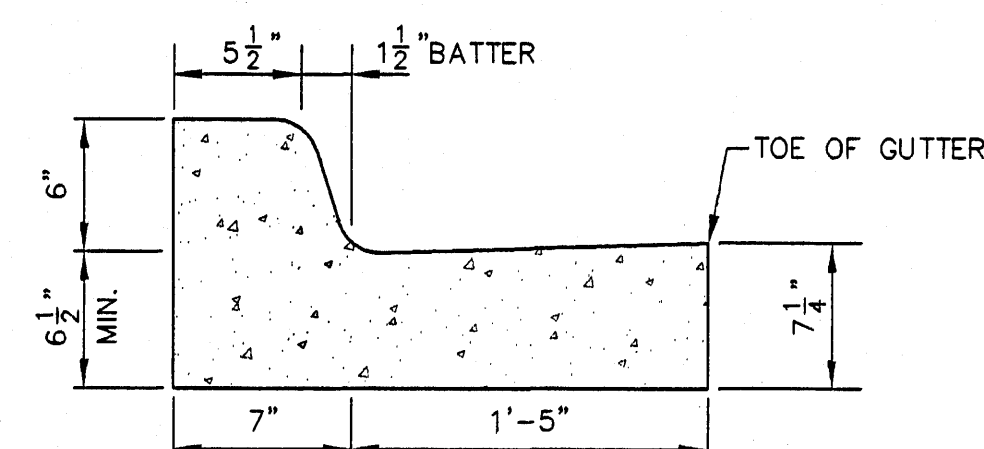
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MARCH 2007

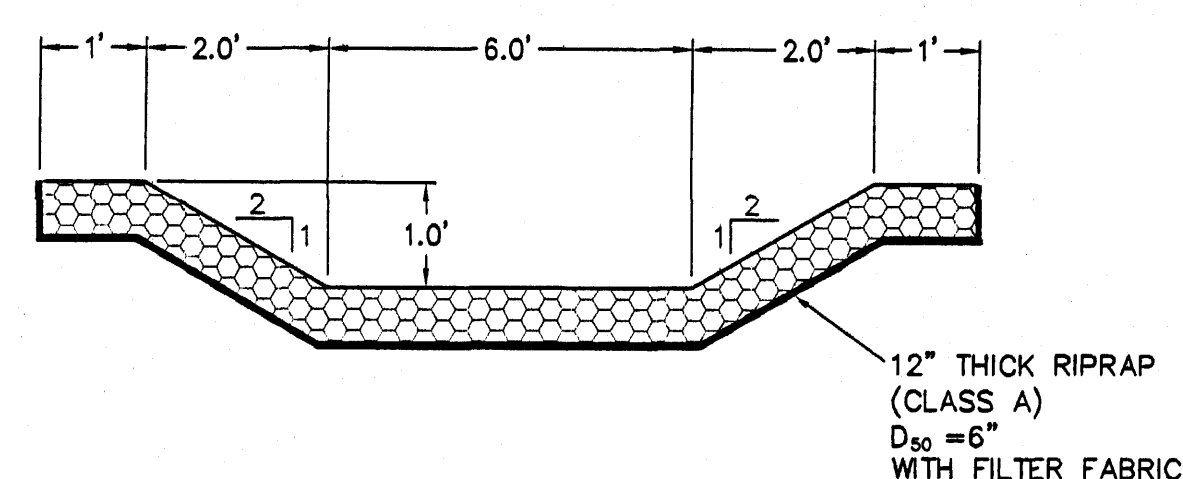
SHEET TITLE

C-101

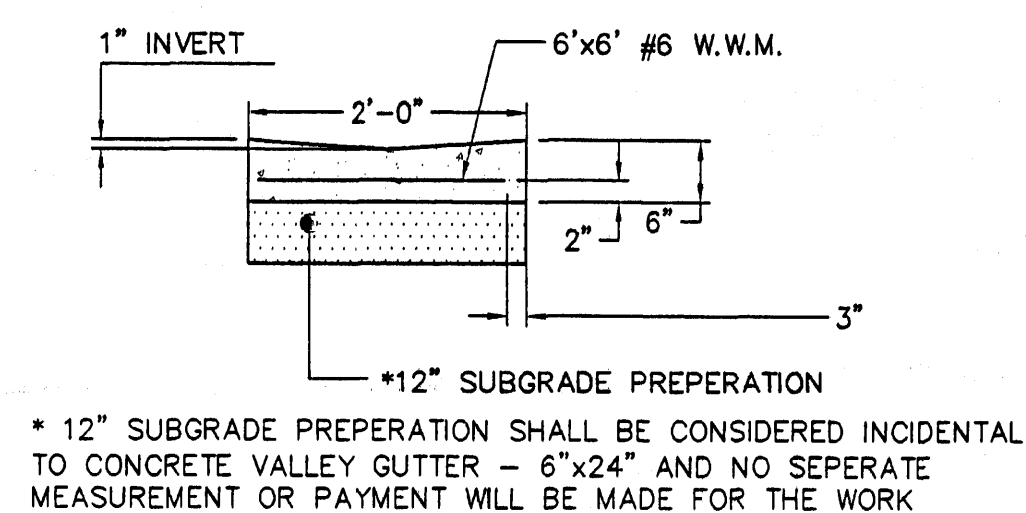
E  
D  
C  
B  
A



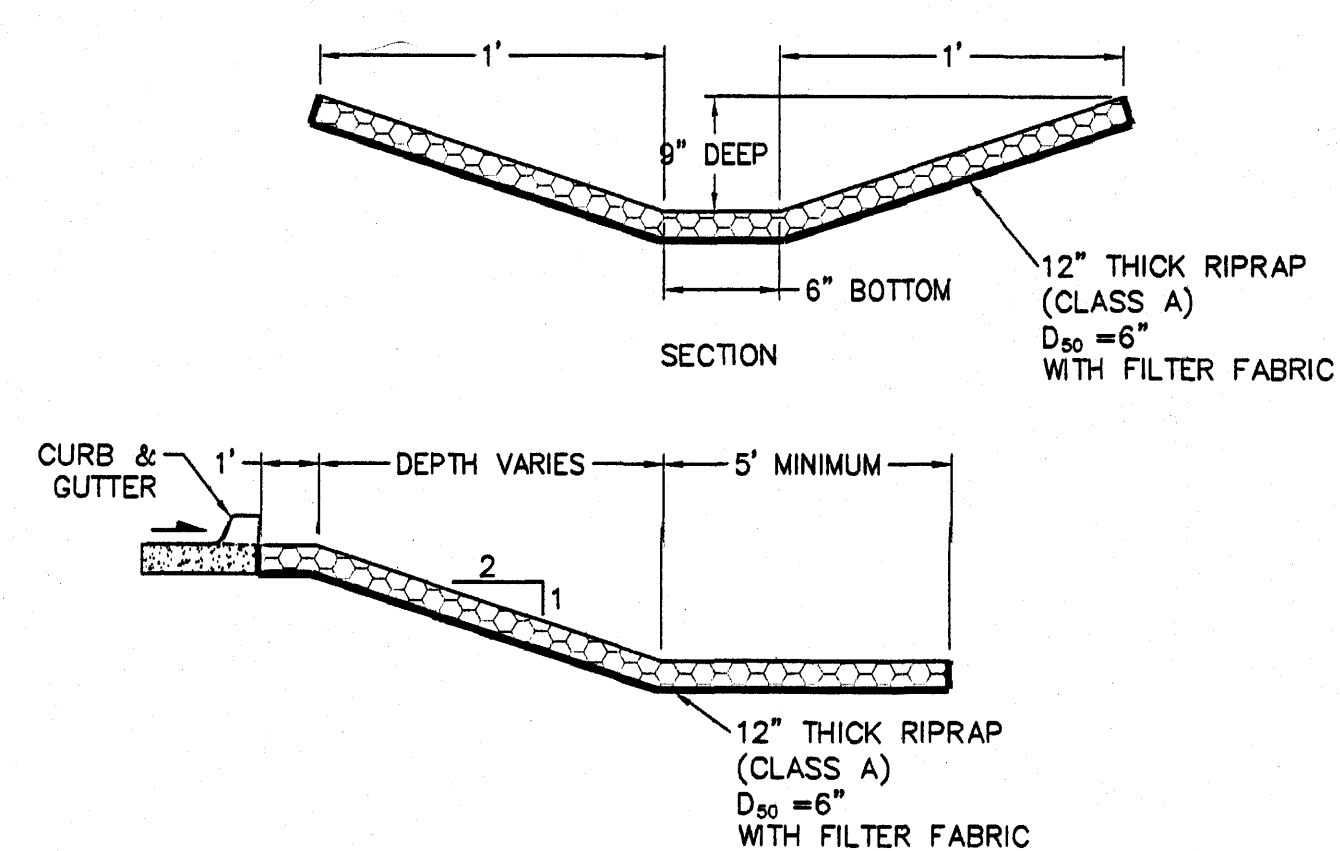
6" CONCRETE CURB AND GUTTER DETAIL  
SCALE: NONE



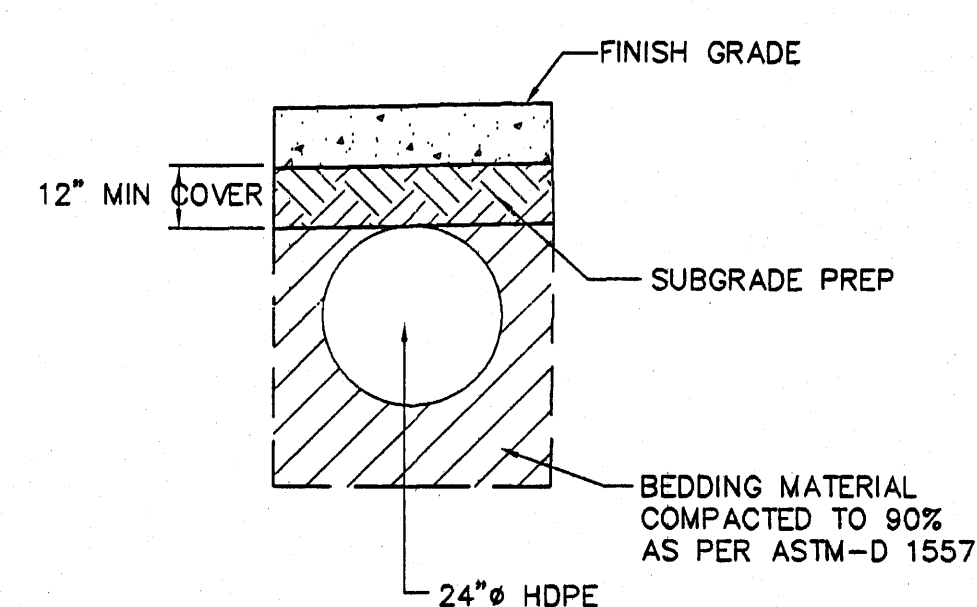
RIP RAP RUNDOWN CROSS SECTION A-A  
SCALE: NONE



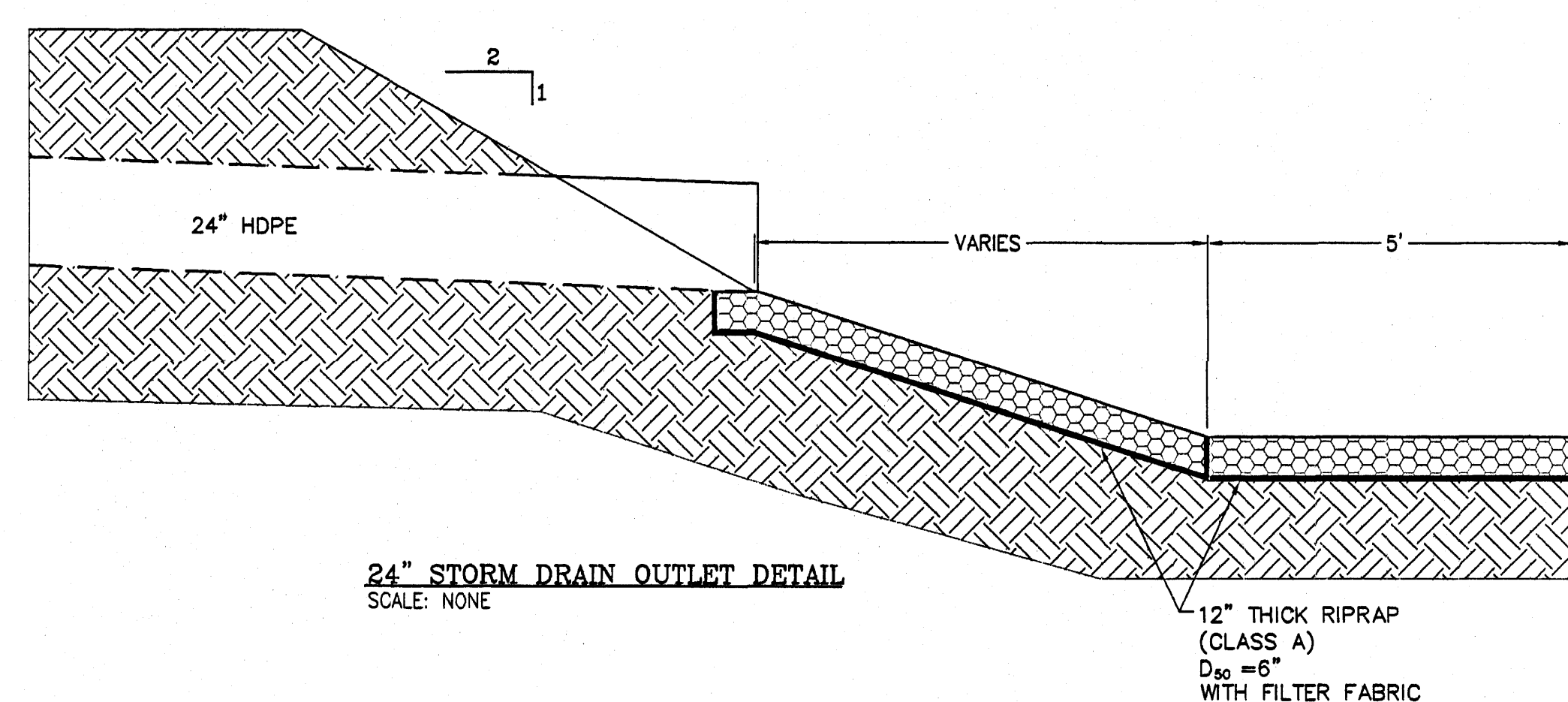
6"x24" CONCRETE VALLEY GUTTER DETAIL  
SCALE: NONE



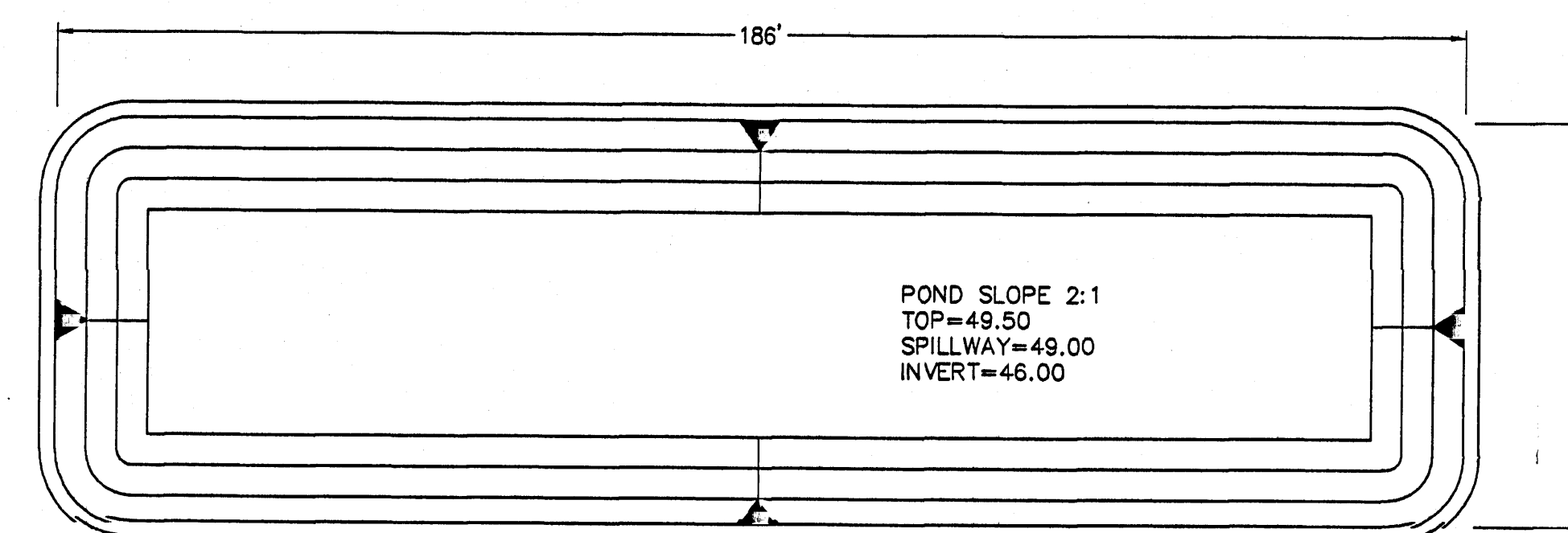
RIPRAP RUNDOWN DETAIL  
SCALE: NONE



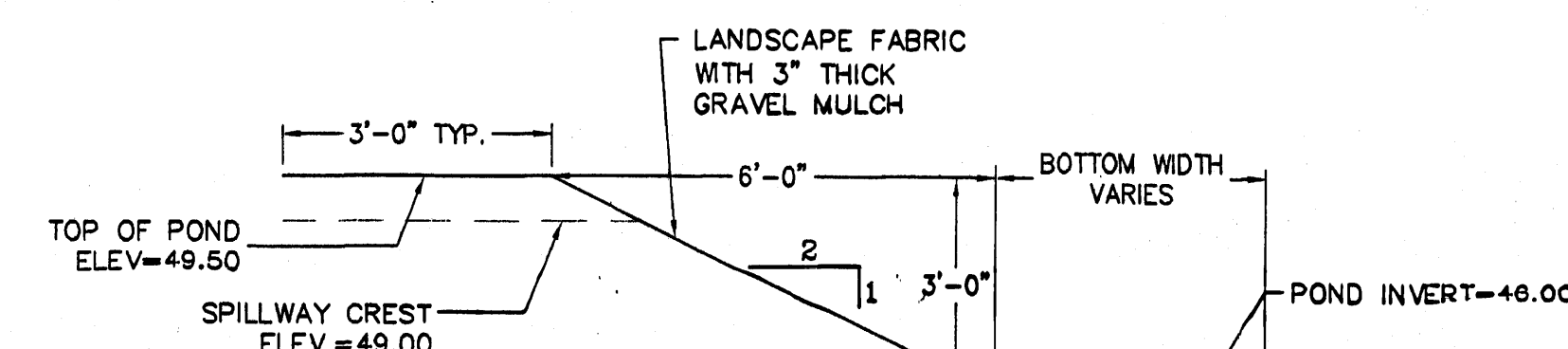
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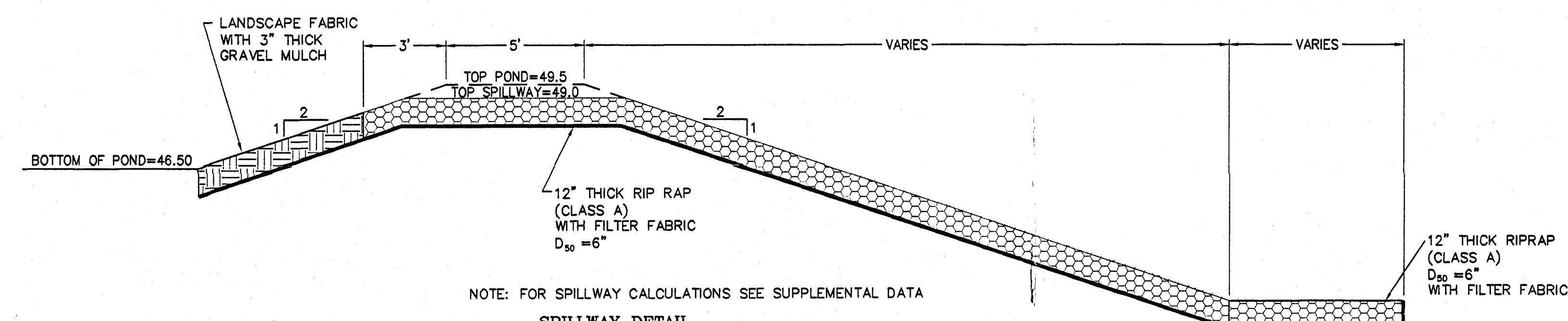
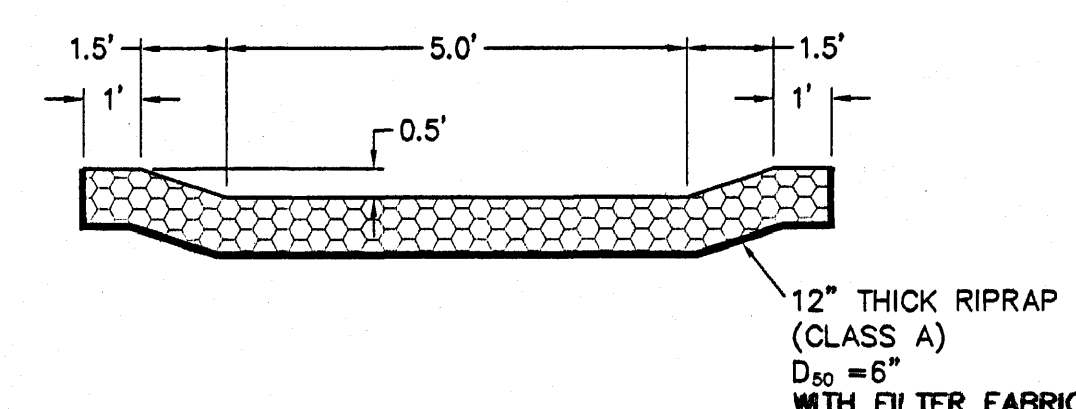
24" STORM DRAIN OUTLET DETAIL  
SCALE: NONE



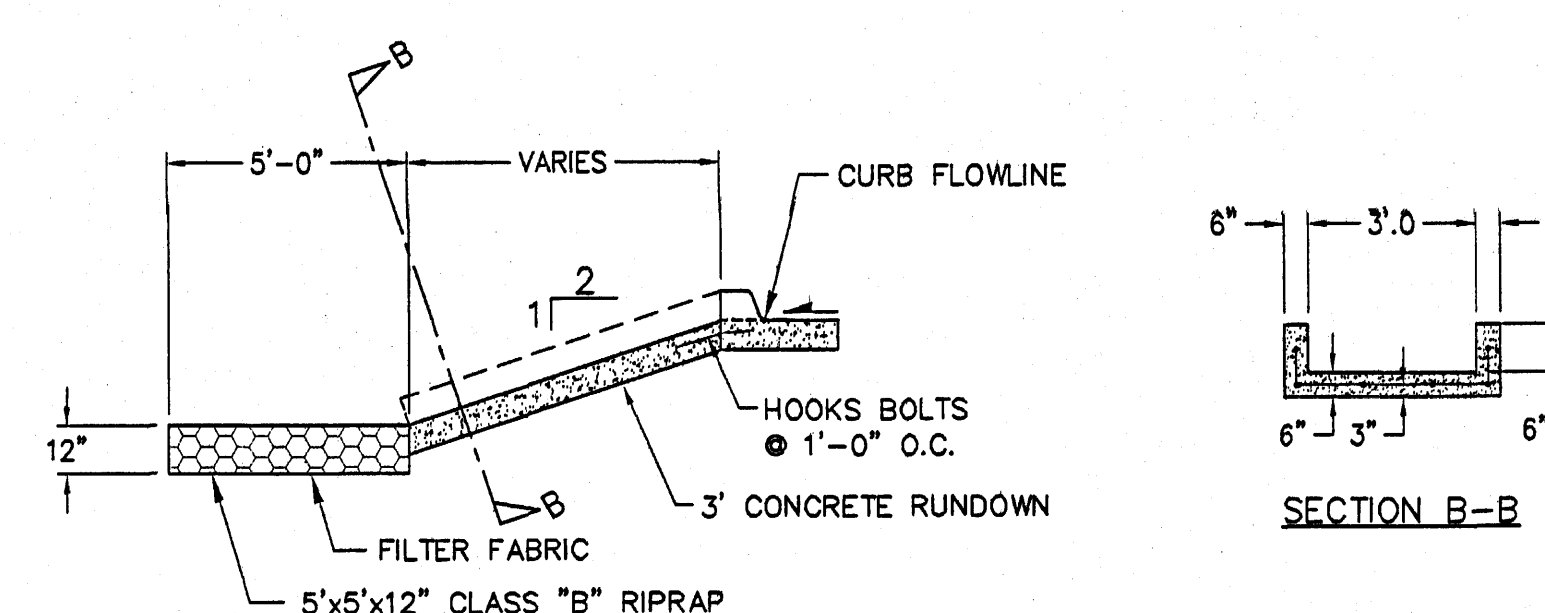
TYPICAL POND DETAIL  
SCALE: NONE



POND TYPICAL SECTION  
SCALE: NONE



SPILLWAY DETAIL  
SCALE: NONE



CONCRETE RUNDOWN DETAIL  
SCALE: NONE

**NCA**  
ARCHITECTS - PLANNERS - AIA

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ARCHITECT

CONSULTANT

PROJECT TITLE

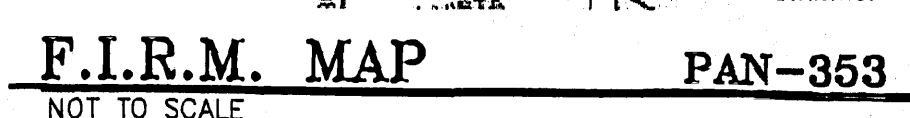
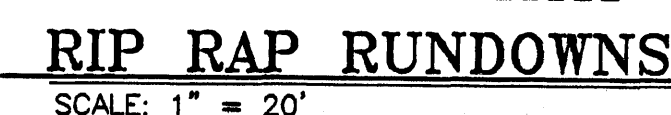
**RONALD McDONALD HOUSE PHASE II EXPANSION**

ALBUQUERQUE NEW MEXICO

REVISIONS

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PROJECT NUMBER: A05.16  
DATE: MARCH 2007  
SHEET TITLE: C-102



THE PROJECT SITE IS CURRENTLY UNDEVELOPED AND CONSISTS OF NATIVE GRASSES. THE PROJECT SITE SLOPES IN A WESTERLY DIRECTION AT APPROXIMATELY 2%. THE TOTAL AREA OF THE SITE IS 1.15 ACRES. THE LAND TREATMENTS ARE CATEGORIZED AS:

$A=100\%$   $B=0\%$   $C=0\%$  AND  $D=0\%$ .

OFFSITE FLOWS HAVE CREATED A NATURAL ARROYO LOCATED THROUGH THE NORTHERN PORTION OF THE SITE. ALL SITE FLOWS DISCHARGE TO THE NATURAL ARROYO.

THE PROPOSED PROJECT WILL BE A NEW BUILDING ADDITION WITH APPROXIMATELY 6271 S.F. THE TOTAL AREA OF THE PROPOSED IMPROVEMENTS ARE ESTIMATED AT 1:15 ACRES. THE PROPOSED PARKING LOT WILL CONSIST OF A CONCRETE STANDARD CURB & GUTTER PERIMETER, HEADER CURB AND NEW ASPHALT PAVED SURFACE WITH 10' SIDEWALKS AND 10' DRIVEWAYS. THE EXISTING DRIVEWAYS IN PAVED AREAS. THE PARKING LOT AREA AS WELL AS RUNOFF FROM THE NEW BUILDING WILL DRAIN NORTH AND WEST TO THE NEW 6424 CUBIC FOOT RETENTION POND LOCATED AT THE NORTHWEST CORNER OF THE PROPERTY. THE EAST SIDE OF THE PROPERTY AS WELL AS RUNOFF FROM OFFSETS FROM DRAIN ALONG THE SOUTH SIDE OF THE PROPERTY TO A DROP INLET.

THE NEW PARKING LOT WILL DRAIN TO THE NORTH INTO THE NEW RETENTION POND. THE LAND TREATMENTS UNDER PROPOSED CONDITIONS

AS PREVIOUSLY MENTIONED, ALL SITE RUNOFF DISCHARGES INTO A PROPOSED DETENTION POND, WHICH HAS BEEN SIZED FOR THE INCREASED VOLUME DUE TO THE DEVELOPMENT OF THE SITE DURING THE 100-YEAR, 24-HOUR EVENT. AN EMERGENCY SPILLWAY HAS BEEN PROVIDED TO SAFELY CONVEY THE 100-YEAR, 24-HOUR PEAK DISCHARGE OF 4.64 CUBIC FEET PER SECOND (CFS).

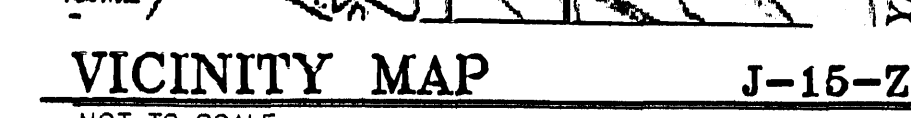
THIS PROJECT SITE DOES RECEIVE OFFSITE FLOWS FROM BASIN OS-1, A THE EASTERN BOUNDARY OF THE THE PROPERTY. THE ENTIRE SITE IS ELEVATED BECAUSE OF THE FINISH FLOOR ELEVATION OF THE BUILDING ADDITION AND HAS CREATED WATER CLOSET. ALL OFFSITE RUNOFF WILL BE COLLECTED IN A DOUBLE "0" DRAINAGE INLET AND A PROPOSED 24" STORM DRAIN PIPE TO ITS NATURAL ARROYO OUTFALL LOCATION. FLOW FROM BASIN OS-2 DO NO IMPACT THE PROPOSED SITE AND DISCHARGE DOWN THE EXISTING GRAVEL DRIVEWAY NORTH OF THE SITE AND TO THE NATURAL ARROYO WEST OF THE PROJECT SITE.

HYDROLOGY										
Precipitation Zone 2 - 10-year Storm					P(360) = 2.35 in	P(1440) = 2.75 in				
Basin Area (Ac)	Basin Area (Ac)	Land Treatment Factors				Ew	V(100-6) (af)	V(100-24) (af)	Q(100-6) (cfs)	
		A	B	C	D					
Existing Conditions										
Site	1.15	1.15	0.00	0.00	0.00	0.53	0.051	0.051	1.78	
CS-1	2.41	0.00	0.00	0.77	1.84	1.80	0.362	0.417	10.33	
CS-2	0.86	0.00	0.00	0.39	0.47	1.87	0.120	0.135	3.43	
Proposed Conditions										
Site	1.15	0.00	0.20	0.18	0.77	1.73	0.168	0.192	4.84	
Total	1.15						0.168	0.192	4.84	

Precipitation Zone 2 - 10-year Storm										
					P(360) = 1.56 in	P(1440) = 1.83 in				
Basin Area (Ac)	Basin Area (Ac)	Land Treatment Factors				Ew	V(100-6) (af)	V(100-24) (af)	Q(100-6) (cfs)	
		A	B	C	D					
Existing Conditions										
Site	1.15	1.15	0.00	0.00	0.00	0.13	0.012	0.012	0.44	
CS-1	2.41	0.00	0.00	0.77	1.84	1.08	0.217	0.253	6.47	
CS-2	0.86	0.00	0.00	0.39	0.47	0.87	0.069	0.099	2.34	
Proposed Conditions										
Site	1.15	0.00	0.20	0.18	0.77	1.03	0.098	0.116	2.92	
Total	1.15						0.098	0.116	2.92	

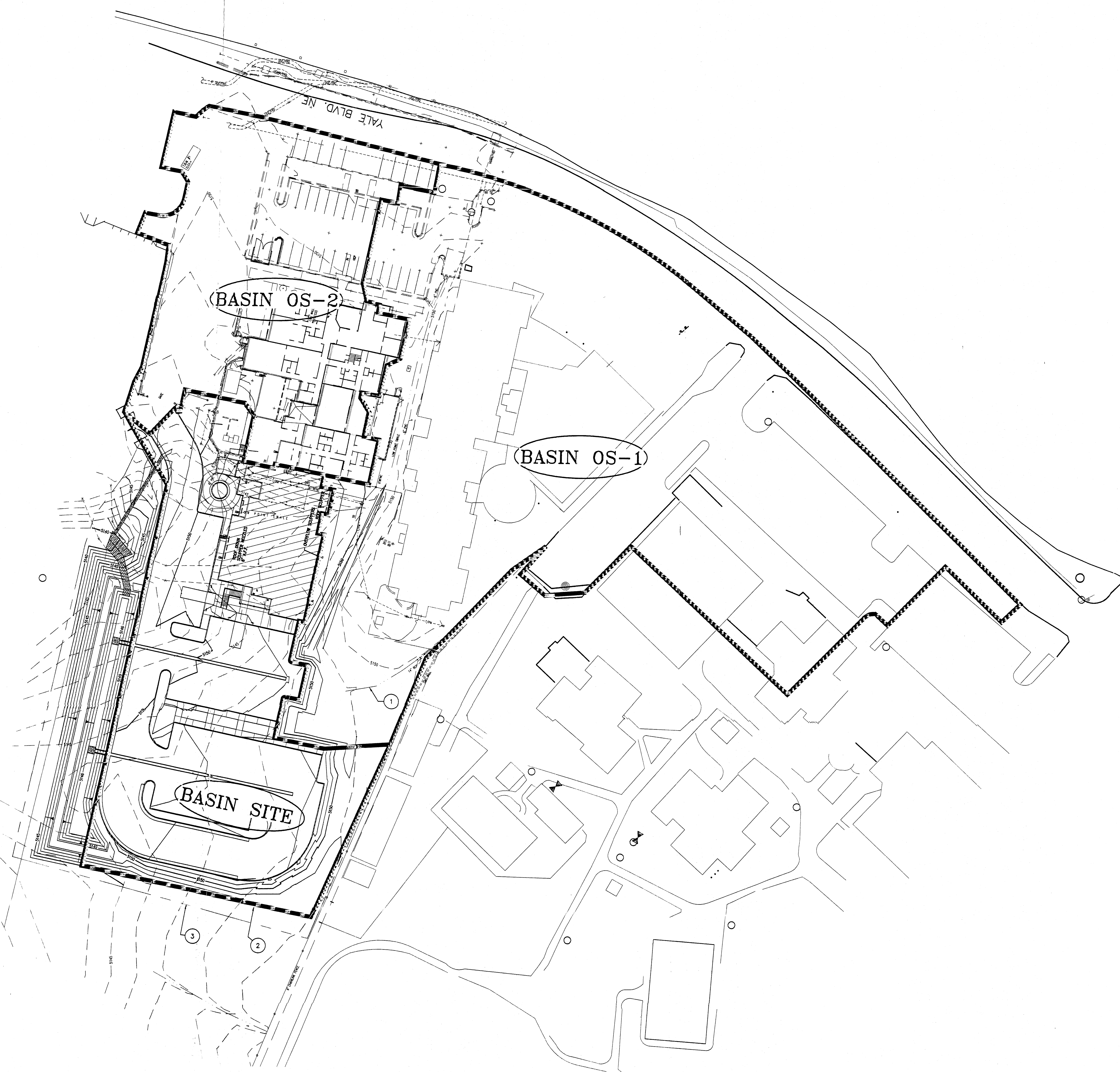
TOP OF POND = 5149.50  
TOP OF SPILLWAY = 5149.00



1. AS OF MARCH 10, 2003, THE USPA REQUIRES NPDES PERMIT COVERAGE FOR STORM WATER DISCHARGES FROM CONSTRUCTION PROJECTS (COMMON PLANS OF DEVELOPMENT) THAT WILL RESULT IN THE DISTURBANCE (OR RE-DISTURBANCE) OF ONE OR MORE AREAS, INCLUDING EXPANSIONS OF TOTAL LAND AREA.
2. THE DEVELOPER SHOULD BE MADE AWARE THAT THE USPA REQUIRES THAT ALL CONSTRUCTION PROJECTS (SEE FEDERAL REGISTER/VOL. 63, NO. 128 / MONDAY, JULY 6, 1999 PG 36595) OBTAIN NPDES PERMIT COVERAGE FOR ALL CONSTRUCTION PROJECTS. GENERALLY THIS MEANS THAT AT LEAST TWO PARTIES WILL BE PROVIDING PERMIT COVERAGE. THE OWNER/DEVELOPER OF THIS CONSTRUCTION PROJECT WHO HAS OPERATIONAL CONTROL, OVER THE PROJECT SPECIFICATIONS, THE GENERAL CONTRACTOR WHO HAS DAY-TO-DAY OPERATIONAL CONTROL OF THOSE ACTIVITIES AT THE SITE, WHICH ARE NECESSARY TO ENSURE COMPLIANCE WITH THE STORM WATER POLLUTION PLAN AND OTHER CONDITIONS, AND POSSIBLY OTHER "OPERATORS" THAT WILL REQUIRE APPROPRIATE NPDES PERMIT COVERAGE FOR THIS PROJECT.
3. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR CONSTRUCTION.
4. CONTRACTOR SHALL OBTAIN A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO ANY GRADING OR CONSTRUCTION.
5. TWO WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OR EXISTING UTILITIES.
6. BACKFILL AND COMPACTED SOIL SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
7. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER(S) OF THE PROPERTY SERVED.
8. ALL CONCRETE SHALL BE A MINIMUM OF 3000 P.S.I.
9. PROJECT BENCHMARK: ACS 1 3/4" ALUMINUM DISC STAMPED "ACS BM, 12-15", EPOXIED ON TOP OF THE EAST END OF CONCRETE RETAINING WALL, AT THE NORTH PROPERTY LINE OF ADDRESS 1131 UNIVERSITY BOULEVARD, WEST OF THE WEST BACK OF CURB LINE OF UNIVERSITY BOULEVARD.
10. ELEVATION = 5108.82 FEET (NGVD 1929)
11. ALL EXISTING TOPOGRAPHIC DATA SHOWN ON THESE PLANS HAS BEEN PROVIDED BY NCA ARCHITECTS. MILLER ENGINEERING CONSULTANTS HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION.
12. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.
13. ALL PAVEMENT, BASE COURSE AND SUBGRADE PREPARATION THICKNESS SHALL BE PROVIDED BY THE SOILS ENGINEER FOR THIS PROJECT.
14. ALL DISTURBED AREA SHALL RECEIVE CLASS "A" SEEDING IN ACCORDANCE WITH THE NMDOT BLUE BOOK. ALL DISTURBED AREAS WITH SLOPE GREATER THAN 3:1 SHALL RECEIVE A LANDSCAPE FABRIC WITH 3 INCHES OF GRAVEL MULCH.
15. ALL HOPE STORM DRAIN PIPE MUST HAVE WATER TIGHT JOINTS.

1. STANDARD CURB & GUTTER PER DETAIL ON SHEET C-102.
2. CONCRETE HEADER CURB PER COA STD DWG 2415/8.
3. STORM DRAIN INLET PER COA STD DWG 2206.
4. GRATE=47.10, INV=43.10.
5. N=388,934.42, E=1,489,610.210 "CENTER OF GRATE.
6. STORM DRAIN MANHOLE TYPE "C", PER COA STD DWG 2102.
7. RM=50.82, INV(N)=42.59, INV (OUT)=42.49
8. N=388,699.03, E=1,489,699.53
9. WITH COVER PER COA STD DWG 2107.
10. SLOPE GRADING BEYOND CURB TO BE 3:1, UNLESS OTHERWISE NOTED. SEE GENERAL NOTE 112
11. HANDICAP RAMP AND HANDICAP SIGNS PER ARCHITECTURAL PLANS.
12. RIPRAP (ENCLOSED) TYPE "A", PER COA STD DWG 2270.
13. SEE DETAIL SECTION A-A, SHEET C-102.
14. RIPRAP (LOOSE) TYPE "B", PER COA STD DWG 2270.
15. CONCRETE ROUNDOFF PER COA STD DWG 2280 AND 2261.
16. CONCRETE VALLEY GUTTERS, 2" WIDE PER COA STD 2415/4 (ALLEY GUTTER). 110.52 LF AND 133.02LF.
17. 18" SWALES TO BE 3" WIDE MINIMUM, WITH A 6" DEEP FLOWLINE.
18. 18" WIDE CURB OUT.
19. MATCH EXISTING
20. CONCRETE SIDEWALK PATTERN, SEE ARCHITECTURAL PLANS.
21. LANDSCAPE AREA, SEE ARCHITECTURAL PLANS.
22. APPROXIMATE LOCATION OF PROPOSED LEASE PROPERTY LINE.
23. 24" HOPE STORM DRAIN PIPE. SLOPE=.0008, 92.43 LF
24. 24" HOPE STORM DRAIN PIPE. SLOPE=.0006, 97.47 LF
25. OUTLET - N=388,927.80, E=1,489,755.44 INV=5141.60
26. DIRECT FLOW FROM SWALE IN THIS AREA TO PROPOSED DOUBLE "D" DROP INLET.
27. 2.5' WIDE RIPRAP ROUNDOFF 54.20 LF. SEE KEYED NOTE 8 AND DETAIL SHEET D-1.
28. 12" WIDE OPENING, SIDEWALK CULVERT PER COA STD DWG 2236 WITH A STEEL PLATE.





**NOTE:**  
OFFSITE BASINS ARE DELINEATED BASED ON SITE VISITS AND U.N.M. BASE MAPPING.  
1. EXISTING FLOWLINE.  
2. BASIN DELINEATIONS.  
3. APPROXIMATE PROPOSED LEASE LIMITS.

**DRAINAGE DATA**

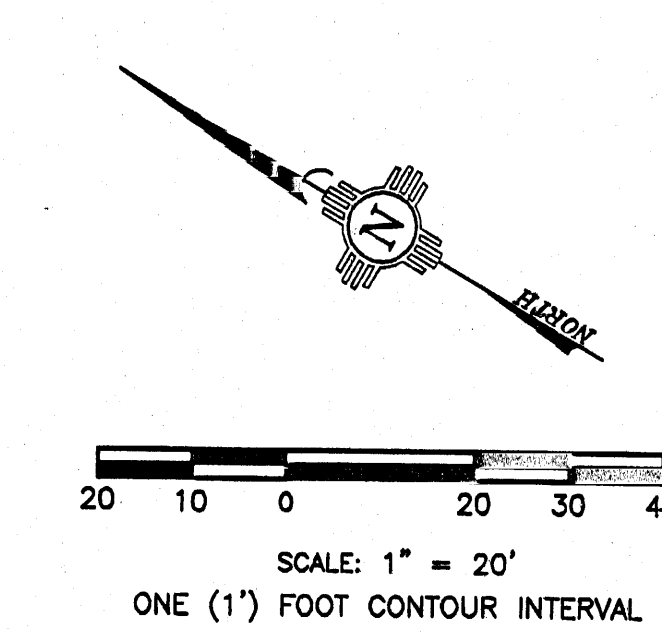
**HYDROLOGY**

Precipitation Zone 2 - 100-year Storm P(360) = 2.35 in P(1440) = 2.75 in

Basin	Basin Area (Ac)	Land Treatment Factors				Ew (in)	V(100-6) (cfs)	V(100-24) (cfs)	Q(100) (cfs)
		A	B	C	D				
<b>Existing Conditions</b>									
Site	1.15	1.15	0.00	0.00	0.00	0.53	0.051	0.051	1.79
OS-1	2.41	0.00	0.00	0.77	1.84	1.80	0.382	0.417	10.13
OS-2	0.89	0.00	0.00	0.39	0.47	1.67	0.120	0.135	3.43
<b>Proposed Conditions</b>									
Site	1.15	0.15	0.05	0.18	0.77	1.70	0.163	0.189	4.63
Total	1.15						0.463	0.489	4.63

Precipitation Zone 2 - 10-year Storm P(360) = 1.55 in P(1440) = 1.83 in

Basin	Basin Area (Ac)	Land Treatment Factors				Ew (in)	V(100-6) (cfs)	V(100-24) (cfs)	Q(100) (cfs)
		A	B	C	D				
<b>Existing Conditions</b>									
Site	1.15	1.15	0.00	0.00	0.00	0.13	0.012	0.012	0.44
OS-1	2.41	0.00	0.00	0.77	1.84	1.08	0.217	0.253	6.47
OS-2	0.89	0.00	0.00	0.39	0.47	0.97	0.059	0.080	2.14
<b>Proposed Conditions</b>									
Site	1.15	0.15	0.05	0.18	0.77	1.01	0.097	0.114	2.83
Total	1.15						0.097	0.114	2.83



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PROJECT TITLE  
**RONALD McDONALD HOUSE PHASE II EXPANSION**  
ALBUQUERQUE NEW MEXICO

REVISIONS:

NO.	DATE	DESCRIPTION
1	3/1/07	ISSUED FOR PERMIT

DATE: MARCH 2007  
SHEET TITLE: C-103

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PROJECT TITLE

**RONALD  
McDONALD  
HOUSE  
PHASE II  
EXPANSION**

**ALBUQUERQUE  
NEW MEXICO**

REVISIONS

NO.	DATE	DESCRIPTION
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DRAWN BY: T.A.S. CHECKED BY: V.A.M.

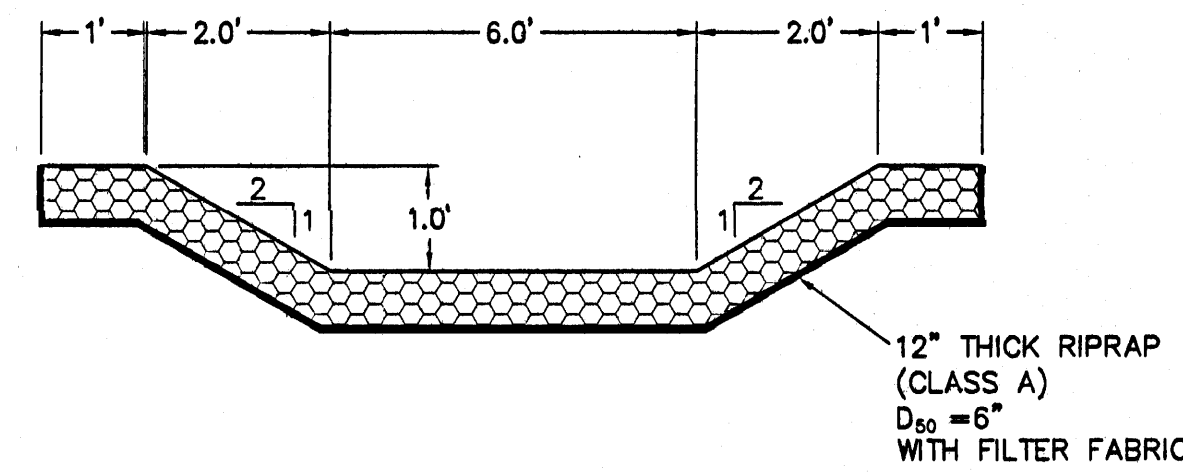
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DATE: MARCH 2007

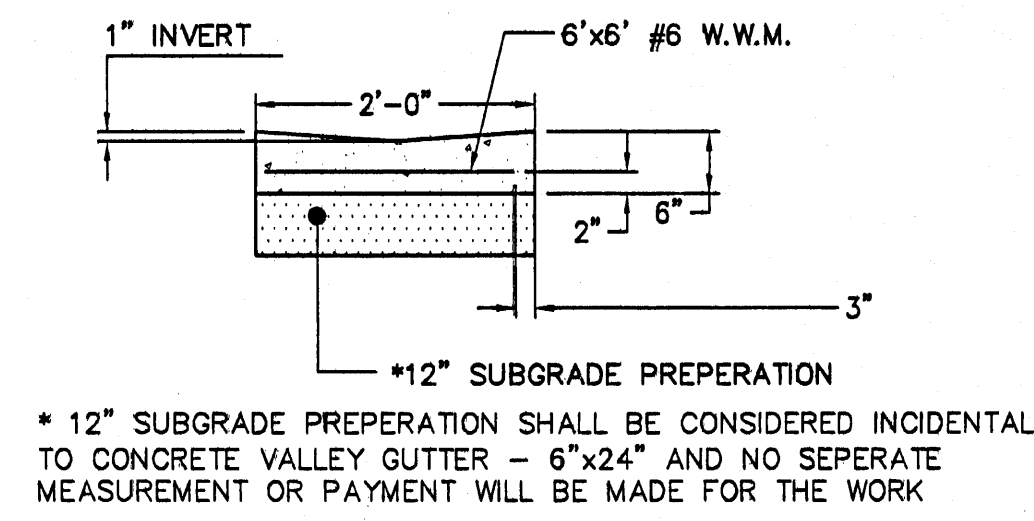
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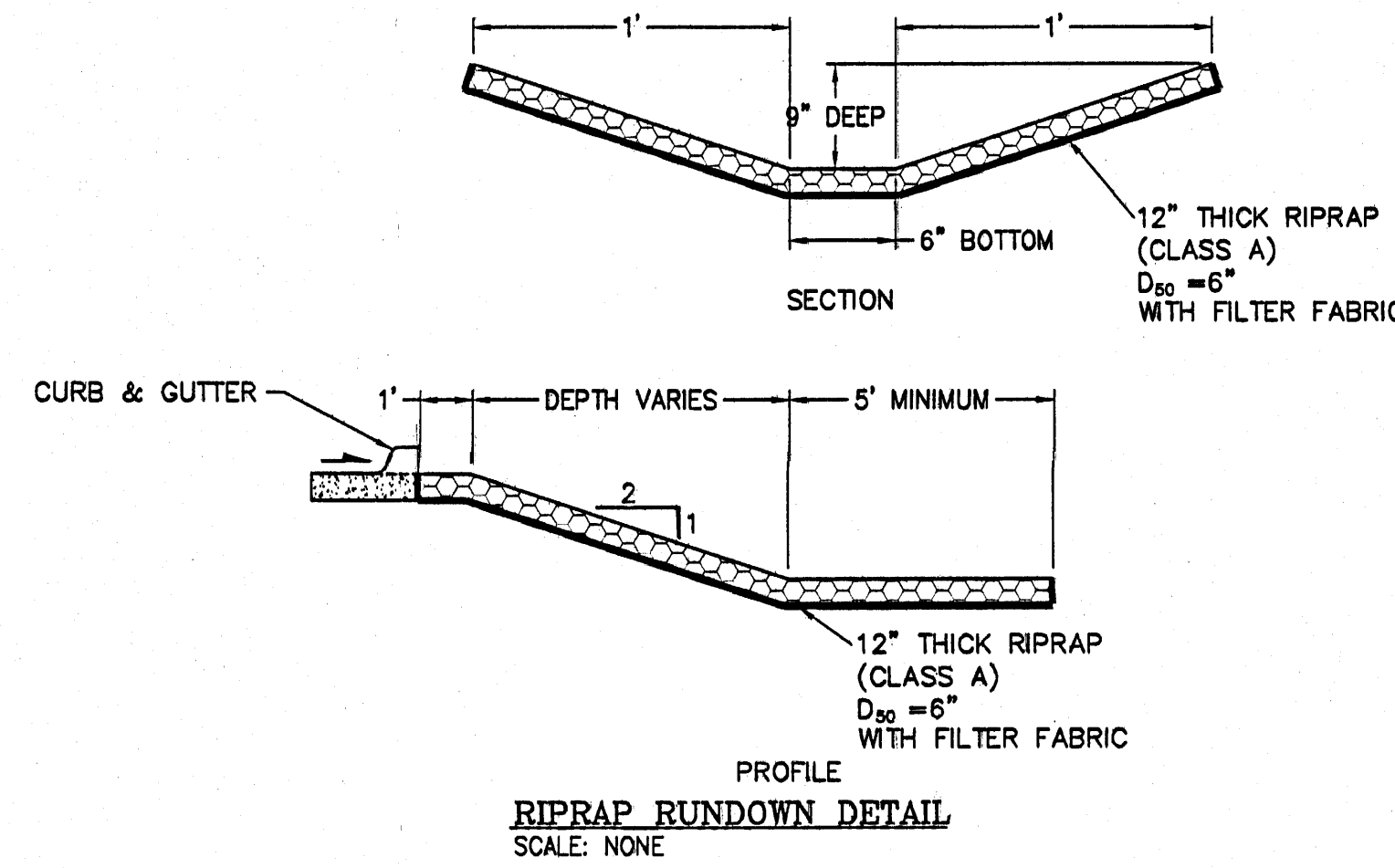
C-102



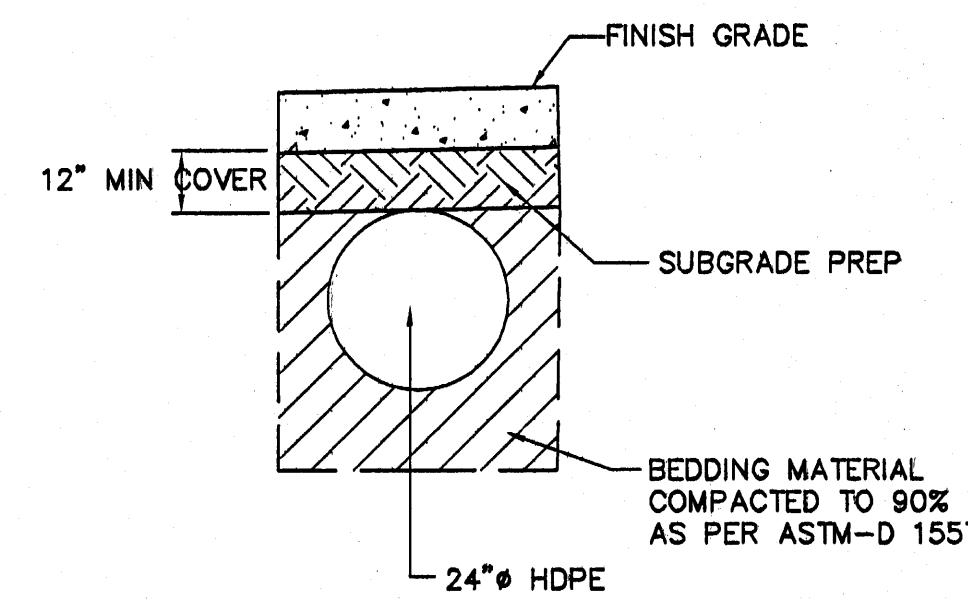
**RIP RAP RUNDOWN CROSS SECTION A-A**  
SCALE: NONE



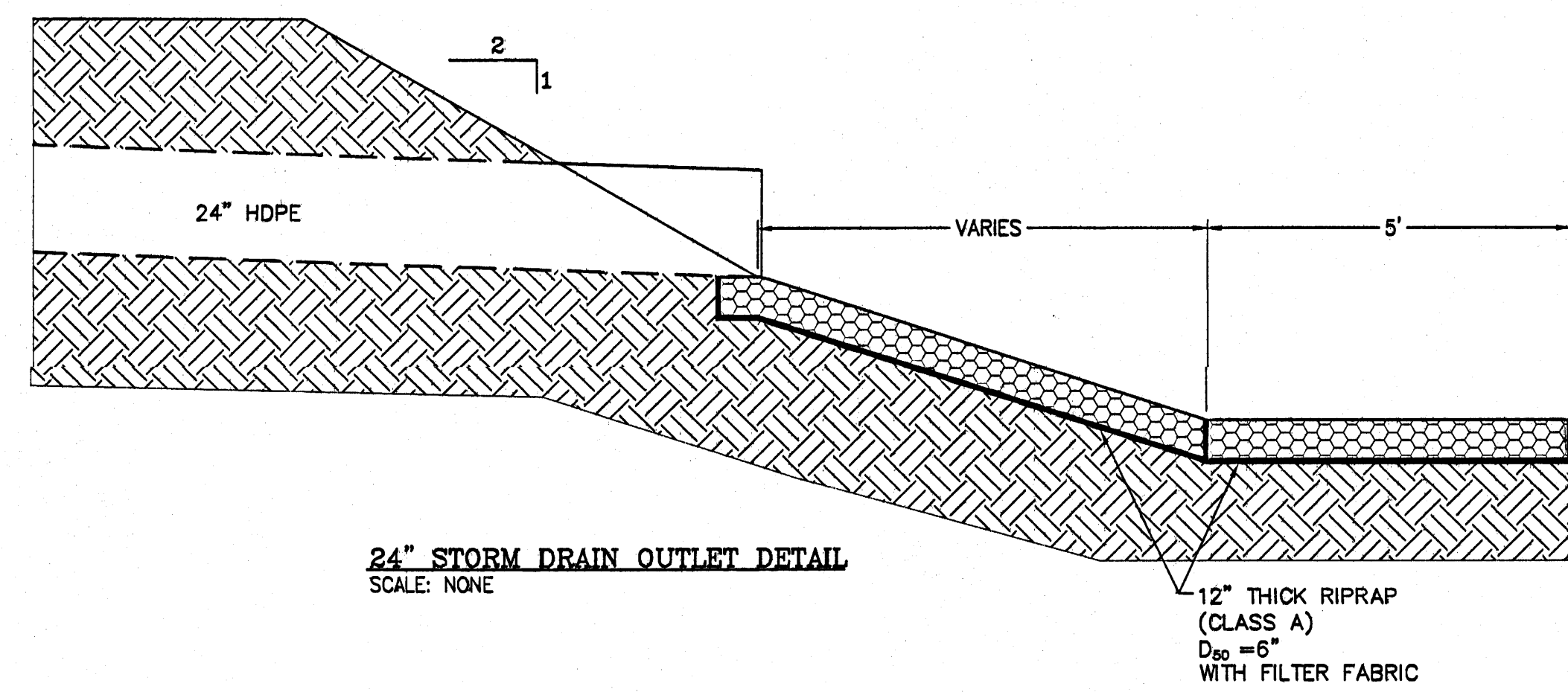
**6"x24" CONCRETE VALLEY GUTTER DETAIL**  
SCALE: NONE



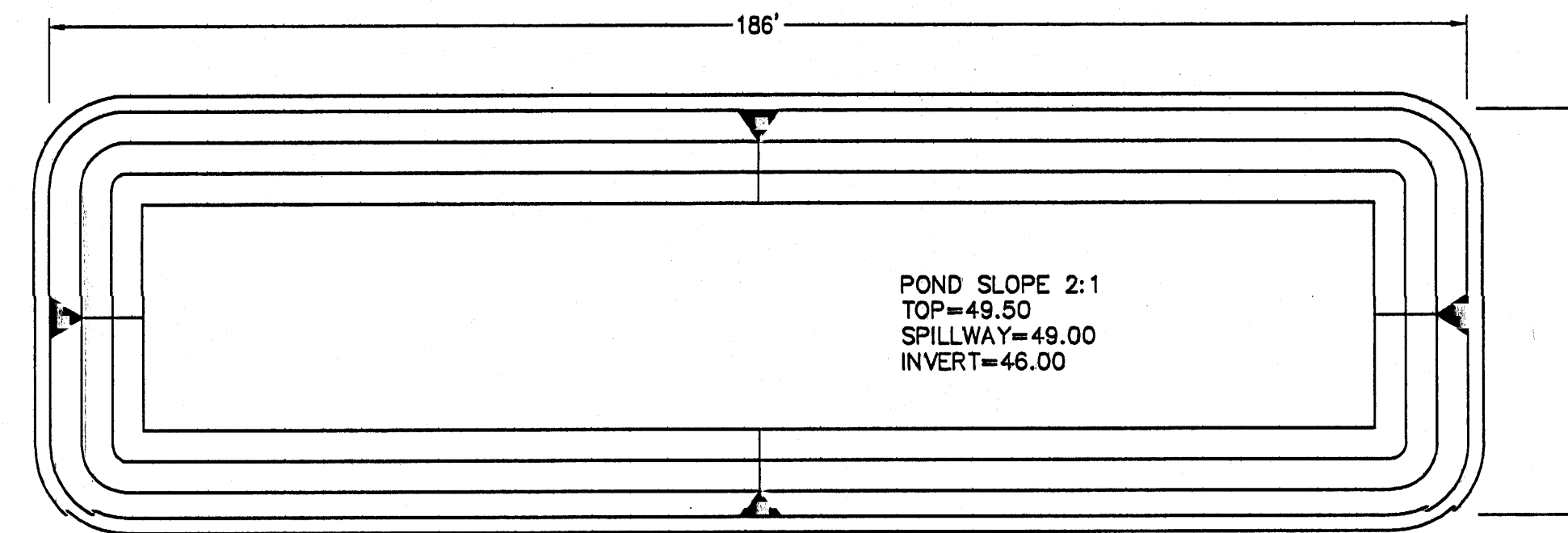
**RIPRAP RUNDOWN DETAIL**  
SCALE: NONE



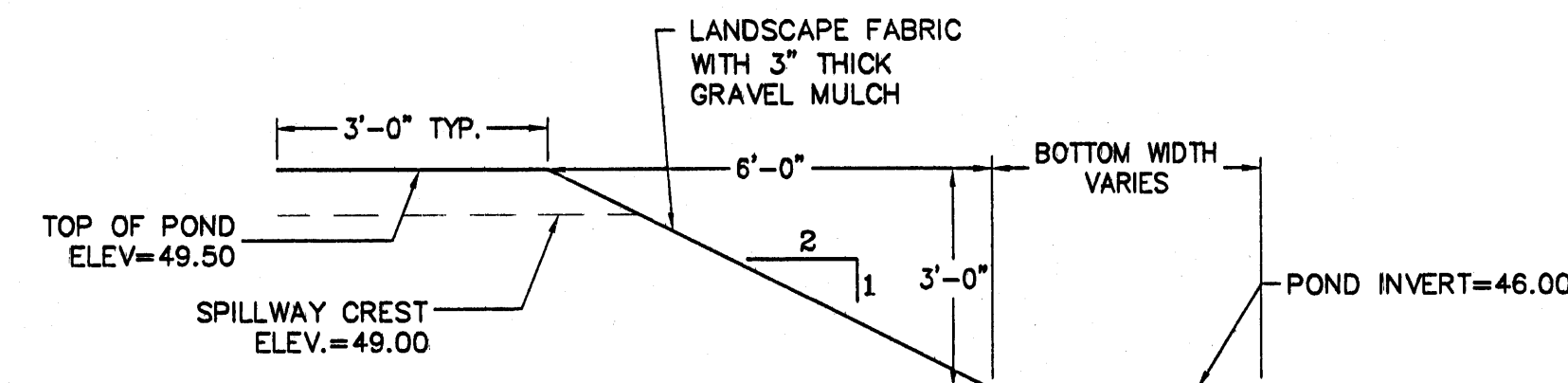
**TYPICAL CULVERT INSTALLATION SECTION**  
SCALE: NONE



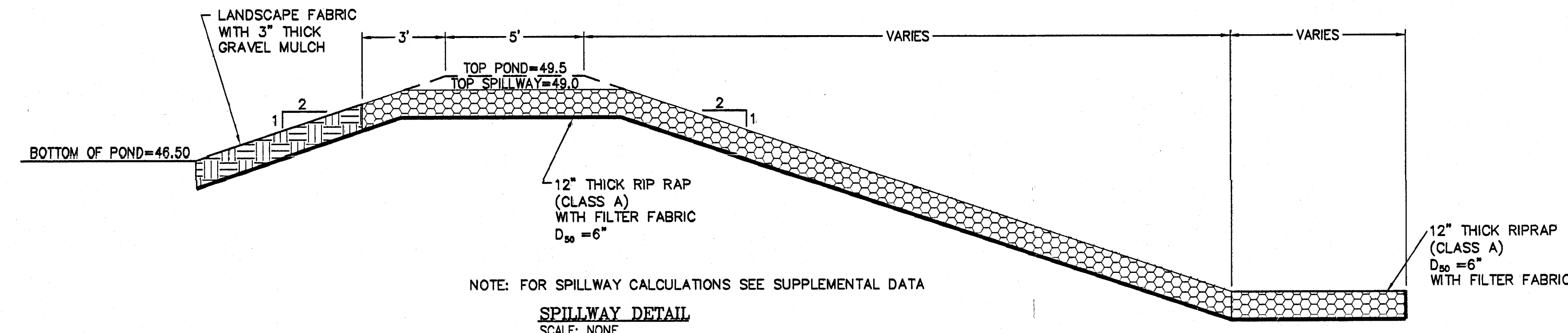
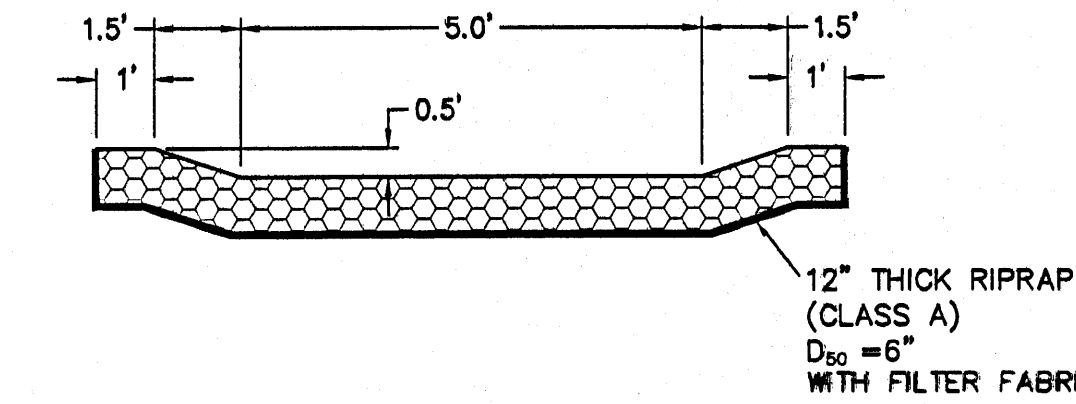
**24" STORM DRAIN OUTLET DETAIL**  
SCALE: NONE



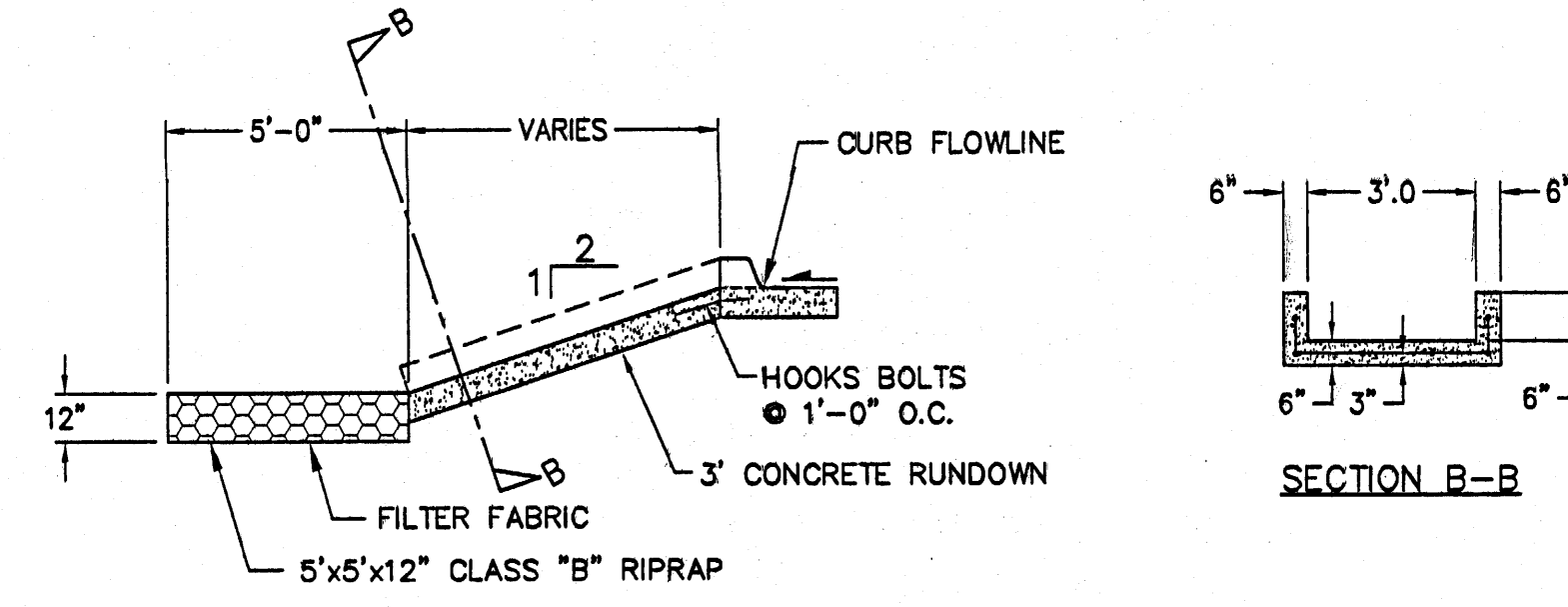
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SCALE: NONE



**POND TYPICAL SECTION**  
SCALE: NONE



**SPILLWAY DETAIL**  
SCALE: NONE



**CONCRETE RUNDOWN DETAIL**  
SCALE: NONE

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