

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
NEW MEXICO UTILITIES, INC.



SUBJECT SITE VICINITY MAP
G-19-Z

CONSTRUCTION PLANS
FOR

SANDIA HIGH SCHOOL
CAMPUS-WIDE
DRAINAGE IMPROVEMENTS

GRADING, PAVING, UTILITIES, & STORM DRAIN

INDEX TO DRAWINGS

FOR INFORMATION ONLY

As-builts and Closeout package not submitted.
Construction verified by site visit:
Overall system(s) built, some inlets in different locations;
subsequent building construction alters layout; east surface
inlets to arroyo modified & combined into one.

By: Jim Roeder Date: 1-02-2020

SHEET No.	DESCRIPTION
1	COVER
2-5	TESCM DETAILS
6-8	DETAILS
9-11	OVERALL GRADING AND DRAINAGE PLAN
12-13	OVERALL STORM DRAIN PLAN
14-15	STORM DRAIN PLAN AND PROFILES
16	DRIVEWAY CLOSURE PLAN

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2003 EDITION AS AMENDED THRU UPDATE NO. 7, INCLUDING AMENDMENT 1.
2. CONTRACTOR SHALL NOTIFY THE PROJECT 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 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 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 GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, INC. (260-1990) FOR LOCATION OF EXISTING UTILITIES.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
6. ALL UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEW MEXICO UTILITIES, INC. SPECIFICATIONS FOR WATER AND WASTE WATER FACILITIES (MOST RECENT REVISIONS). (NMUI 898-2661)
7. THE CONTRACTOR SHALL NOTIFY NEW MEXICO UTILITIES (898-2661) THREE WORKING DAYS PRIOR TO BEGINNING THE CONSTRUCTION OF THE UTILITIES.
8. THE PUBLIC WATER LINE MUST BE A MINIMUM OF 18" ABOVE THE SEWER LINE AT ALL CROSSINGS, UNLESS SPECIFIED OTHERWISE.
9. ELECTRONIC MARKER DISKS (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7.
10. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
11. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
12. TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
13. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
14. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED BY CONTRACTOR WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS IN EXISTING STRIPING LOCATIONS UNLESS OTHERWISE INDICATED BY THIS PLAN SET.
15. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24 HOUR CONSTRUCTION.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR, OR REMOVAL AND REPLACEMENT, OF ANY PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEPADS, SIDEWALK, WHEELCHAIR RAMP OR ANY OTHER EXISTING IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATIONS.
17. FOR STORM DRAIN CONSTRUCTION, RCP PIPE SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
18. EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS EMPLOYEES SAFETY.
19. WARNING--EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.
- THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.
20. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
21. ALL WATER VALVE BOXES MANHOLES IN THE STREET CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

UTILITY COMPANY CONTACTS

CITY OF ALBUQUERQUE
(Water & Sanitary Sewer)
Nancy Musinski, Senior Engineer
City of Albuquerque Utilities Dev.
P.O. Box 1293
Albuquerque, New Mexico 87103
(505) 768-6729

PNM ELECTRIC
4201 Edith Blvd. NE
Albuquerque, New Mexico 87107
Rocky Ferran
(505) 241-0525

QWEST
201 3rd Street, NW Suite 700
Albuquerque, New Mexico 87102
David Muller
(505) 245-8706

Comcast Digital Cable
Rita Erickson
4611 Montbel Pl., NE
Albuquerque, NM 87107
(505) 761-6235

PNM GAS
4625 Edith Blvd., NE
Albuquerque, New Mexico 87107
Elisabeth Gable
(505) 241-7745

AT&T
Dave Crowl
111 3rd St., NW
Albuquerque, New Mexico 87103
(505) 842-2911

NOTE

APPROVAL SIGNATURES REQUIRED FOR ENTITIES OTHER THAN CITY OF ALBUQUERQUE ARE PROVIDED ON INDIVIDUAL SHEETS.

NOTE

THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

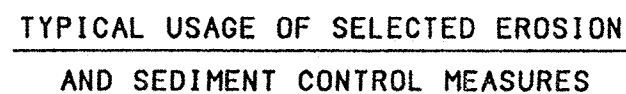
NOTE

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

NOTE

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF WILSON & COMPANY. IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chairman		12-19-19		*****	
		Transportation		11/20/19		APPROVED FOR CONSTRUCTION	
		Water/Wastewater		11/20/19			
		Hydrology		11/20/19			
		N.M.U.I.					
		A.M.A.F.C.A.					
		Constr. Coord.					
City Project No.				Sheet Of			
795/81				1 16			



SILT FENCE INSTALLED
W/ LONGITUDINAL SLOPE

CHECK DAM TYPE I & II

EARTH DIKE

SEDIMENT TRAP- EXCAVATED

SEDIMENT TRAP- BERM

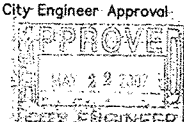
PIPE SLOPE DRAIN

CULVERT PROTECTION

DROP INLET PROTECTION

GENERAL NOTES:

1. THE SOIL RETENTION BLANKET INSTALLATION DETAILS SHOWN FOR CULVERT PROTECTION SHALL BE USED FOR ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES UTILIZING SOIL RETENTION BLANKETS UNLESS OTHERWISE NOTED.
2. ROCK PLACEMENT USED IN THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THESE SHEETS SHALL HAVE A MINIMUM THICKNESS OF 6" UNLESS OTHERWISE INDICATED.
3. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PLACED WITHIN THE CONSTRUCTION CLEAR ZONE SHALL BE INSTALLED WITH 8:1 SLOPES PARALLEL TO TRAFFIC AND 4:1 SLOPES PERPENDICULAR TO TRAFFIC.
4. SEDIMENT TRAPS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN APPROXIMATELY 50% FILLED.
5. CHECK DAMS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN THE DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE CHECK DAM.
6. CULVERT PROTECTIONS SHALL BE INSTALLED UPON INITIATION OF EARTH ACTIVITIES AND MAINTAINED AS MUCH AS PRACTICAL UNTIL STABILIZATION IS COMPLETED AND ACCEPTED. CULVERT PROTECTIONS MAY BE REMOVED FOR PERIODS OF TIME AS REQUIRED DURING CONSTRUCTION TO COMPLETE ADJACENT IMPROVEMENTS.
7. THE CONTRACTOR MAY CONSTRUCT AN EARTH DIKE AS SHOWN, OR RELOCATE THE CHECK DAMS AS CONSTRUCTION PROGRESSES. NO DIRECT PAYMENT SHALL BE MADE FOR RELOCATION OF THE CHECK DAMS.

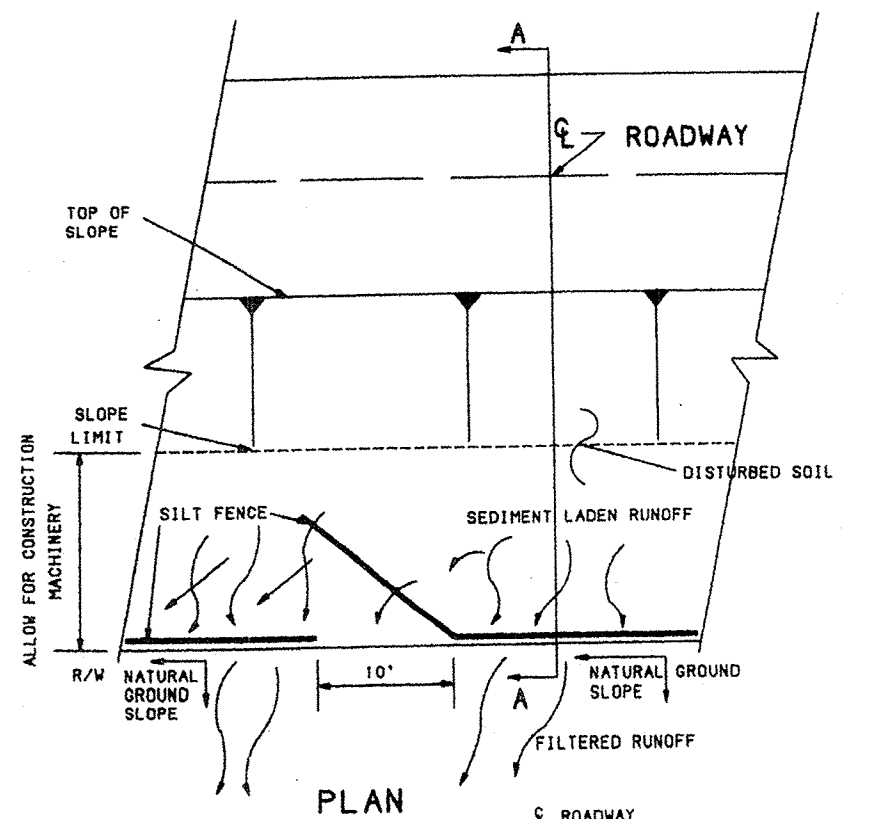
		4900 LANG AVE NE ALBUQUERQUE, NM 87109 (505) 348-4000		<table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																																						NO. DATE		WILSON & C		DESIGNED BY		DRAWN BY		CHECKED BY	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP																																																			
SANDIA HIGH SCHOOL TSCM DETAILS																																																			
Design Review Committee 				City Engineer Approval 				Last Design Update		Mo./Day/Yr.		Mo./Day/Yr.																																							
City Project No. 795181				Zone Map No. G-19-Z				Sheet 2		Of 16																																									

NEW MEXICO PROJECT NO. _____
F.V.H.A. REGION NO. 6

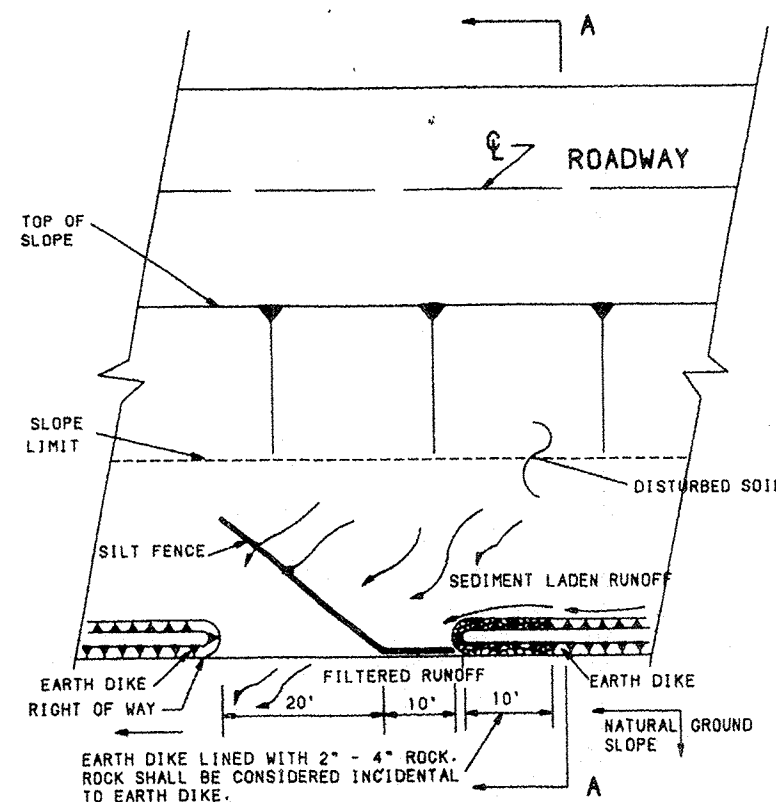
GUIDELINES FOR CONTRACTOR'S USE:

THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE POST SPACING FOR SILT FENCE TO MINIMIZE MAINTENANCE.

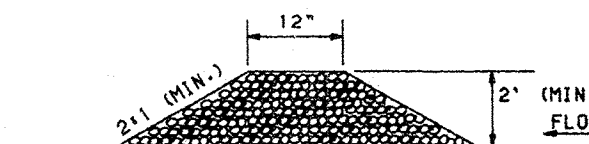
1. POST SPACING SHALL BE 4' MAXIMUM W/O SUPPORTING FENCE. 10' MAXIMUM WITH SUPPORTING FENCE.
2. POSTS FOR 4' MAXIMUM POST SPACING SHALL BE 2" SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS OR STANDARD T OR U SECTION STEEL POSTS WEIGHING NOT LESS THAN 1.0 LB. PER LINEAR FOOT. POSTS FOR 10' MAXIMUM POST SPACING SHALL BE 4" SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS OR STEEL POSTS AS SPECIFIED ABOVE.
3. SUPPORTING FENCE SHALL BE WIRE MESH (14 GA. MIN., 6" MAX. MESH OPENINGS), SNOW FENCE, PLASTIC FENCE, OR APPROVED EQUAL.
4. SUPPORTING FENCE SHALL BE FASTENED SECURELY TO POSTS WITH STAPLES OR WIRE TIES. FILTER FABRIC SHALL BE FASTENED SECURELY TO SUPPORTING FENCE WITH WIRE TIES SPACED AT 24" CENTERS ALONG THE TOP AND MID-SECTION. WHEN A SUPPORTING FENCE IS NOT USED, FILTER FABRIC SHALL BE SECURELY FASTENED TO POSTS WITH STAPLES OR WIRE TIES.
5. WHEN SILT FENCE IS USED FOR CHECK DAM INSTALLED IN DITCHES A SUPPORTING FENCE SHALL BE PROVIDED AND THE POST SPACING SHALL BE 10' MAXIMUM.
6. STANDARD "T" OR "U" SECTION STEEL POST SHALL NOT BE USED WITHIN THE CONSTRUCTION CLEAR ZONE RECOVERY AREA.



PLAN

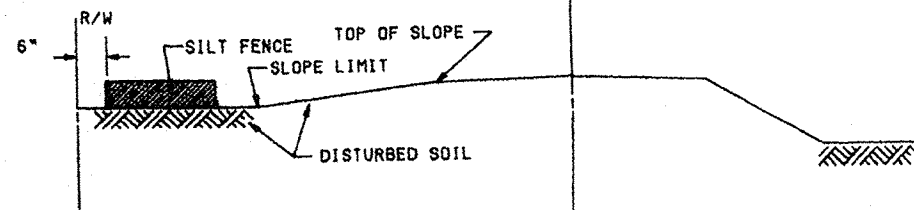


PLAN



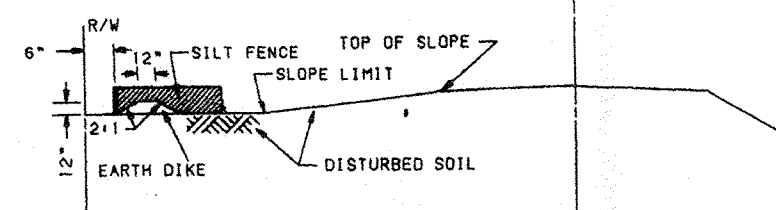
ELEVATION - DETAIL
(STONE DAM)

NOTE: STONE SHALL CONSIST OF
1" TO 3" WASHED GRAVEL.



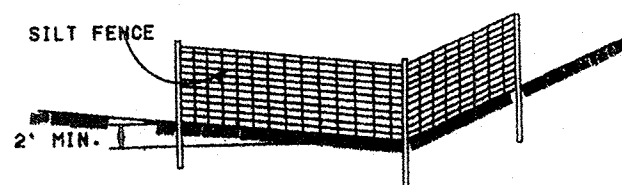
SECTION A-A

TYPICAL INSTALLATION FOR SILT FENCE
AT THE BOTTOM OF FILL SLOPE



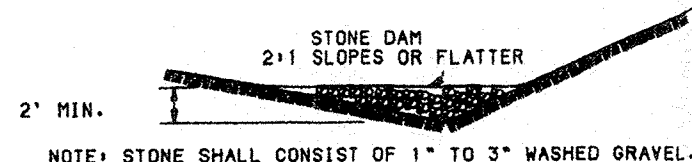
SECTION A-A

TYPICAL INSTALLATION FOR EARTH DIKE
AT THE BOTTOM OF FILL SLOPE



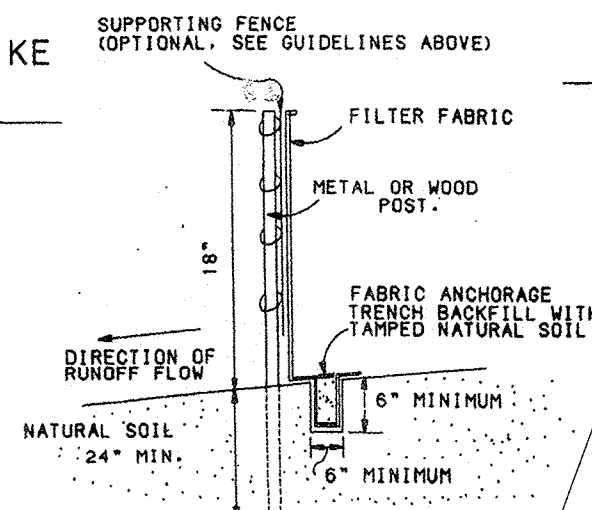
ELEVATION - CHECK DAM IN ROADSIDE DITCH
(SILT FENCE)

TYPE I



ELEVATION - CHECK DAM IN ROADSIDE DITCH
(STONE DAM)

TYPE II



ELEVATION - DETAIL
(SILT FENCE OPTION)

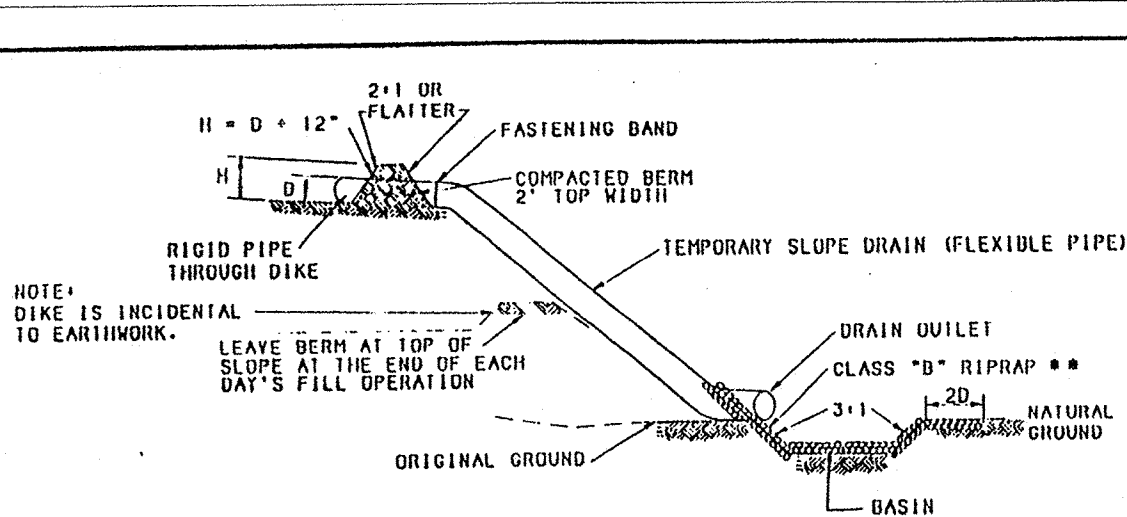
WILSON & COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NM 87109
(505) 348-4000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
SANDIA HIGH SCHOOL
TESCM DETAILS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DEC 19 2006 DESIGN REVIEW COMMITTEE	APPROVED MAY 22 2007 CITY ENGINEER		
City Project No.	Zone Map No.	Sheet	Of
795181	G-19-Z	3	16

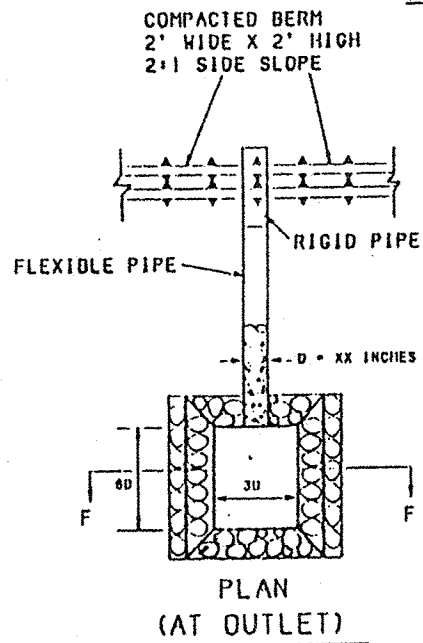
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE	ACS BRASS TABLET STAMPED "3-G20 (RESET)"		CONTRACTOR
					SET IN TOP OF THE CONCRETE CURB OR OF A		WORK DONE BY
					LEFT-TURN BAY, FLUSH WITH THE TOP OF		INSPECTOR'S
					CURB. THE STATION IS LOCATED JUST NORTH		ACCEPTANCE BY
					OF THE INTERSECTION IN THE MEDIAN STRIP ON		DATE
					WYOMING BLVD.		COMMENTS
				SLD 1929 Elevation = 5404.783		MICRO-FILM INFORMATION	
						RECORDED BY	
						DATE	
						NO.	

DATE: 2/21/97



TYPICAL FILL SLOPE DRAIN APPLICATION

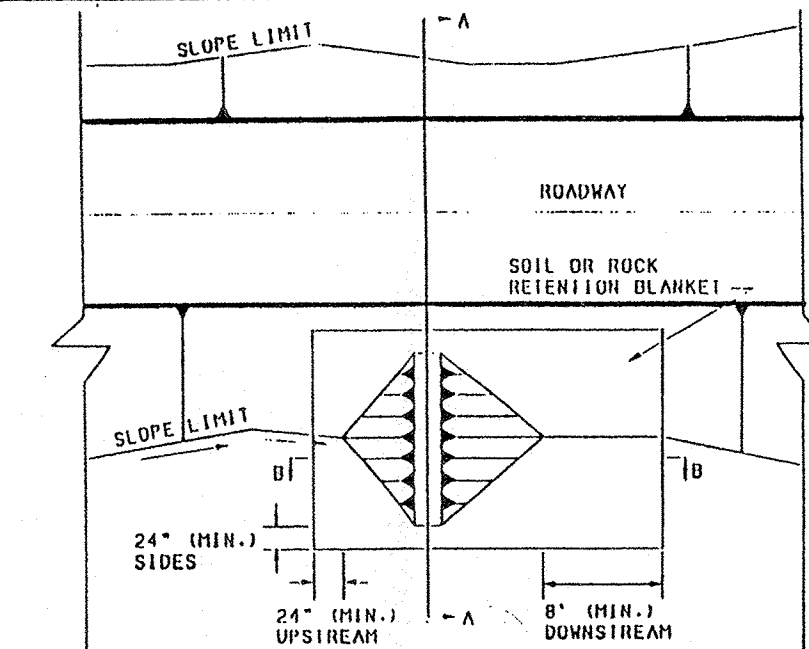
NOTE: CLASS "B" RIPRAP INCIDENTAL TO PLACEMENT ON TEMPORARY SLOPE DRAIN.



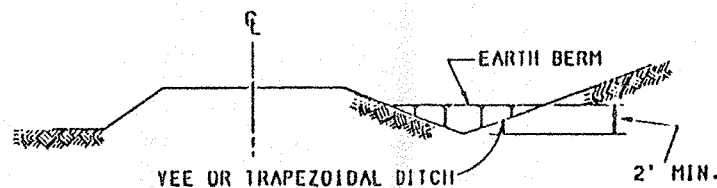
PIPE SLOPE DRAIN

NOTES: PIPE SLOPE DRAIN

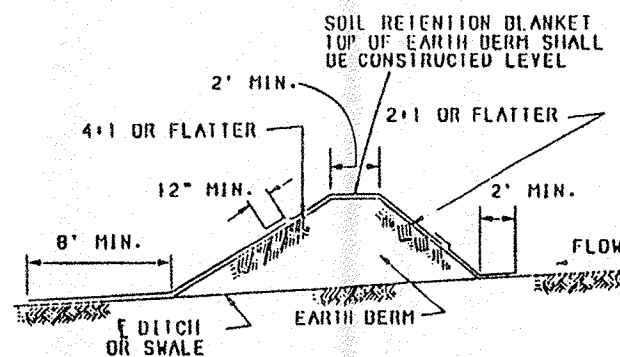
1. THE FLEXIBLE PIPE SHALL BE THE SAME DIAMETER AS THE INLET PIPE AND SHALL BE CONSTRUCTED OF A DURABLE MATERIAL WITH HOLD-DOWN GROMMETS SPACED AT 10' ON CENTER.
2. THE FLEXIBLE PIPE SHALL BE SECURELY FASTENED TO THE CORRUGATED METAL OR HIGH DENSITY POLYETHYLENE PIPE WITH METAL STRAPPING OR WATERTIGHT CONNECTING COLLARS.
3. THE FLEXIBLE PIPE SHALL BE STAKED AT 10' CENTERS ALONG THE SLOPE USING MINIMUM 4" SQUARE WOOD POSTS OR STANDARD STEEL POSTS DRIVEN 2' MINIMUM INTO THE GROUND.
4. RIGID PIPE SHALL BE ANCHORED AT BENDS. ANCHORAGE SHALL CONSIST TO A MINIMUM OF 4" SQUARE WOOD POSTS OR STANDARD STEEL POSTS DRIVEN 2' MINIMUM INTO THE GROUND OR EARTHEN THRUST BLOCK.
5. PAYMENT OF BASIN ITEMS ARE INCIDENTAL TO THE COST OF FLEXIBLE STORM DRAIN PIPE.



PLAN



SECTION A-A



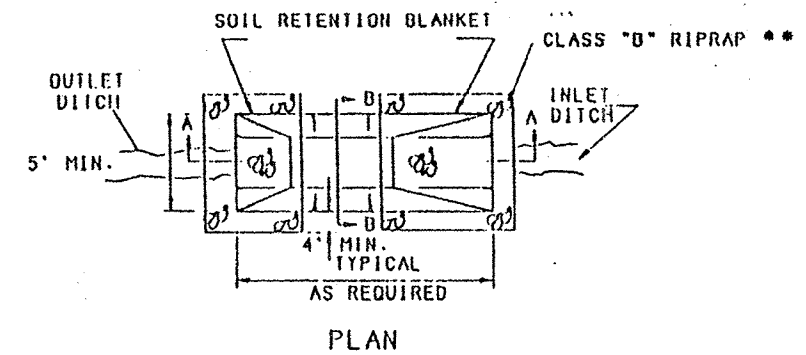
SECTION B-B

SEDIMENT TRAP - EARTH BERM

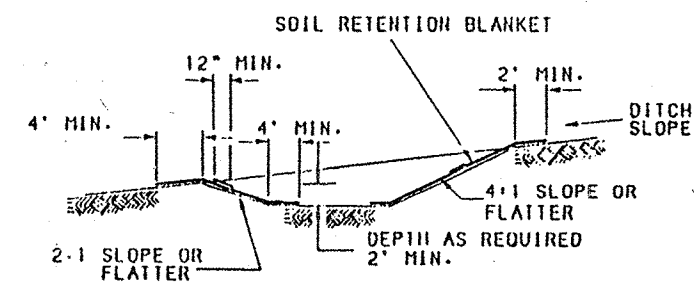
NOTES: SEDIMENT TRAP

1. TEMPORARY SEDIMENT TRAPS MAY BE CONSTRUCTED BY EXCAVATION ALONE OR BY EXCAVATION IN COMBINATION WITH AN EMBANKMENT.
2. TEMPORARY SEDIMENT TRAPS ARE OFTEN USED IN CONJUNCTION WITH A DIVERSION DIKE OR SWELL.
3. THE DRAINAGE AREA FOR THE SEDIMENT TRAP SHOULD NOT EXCEED 5 DISTURBED ACRES.
4. THE TRAP MUST BE ACCESSIBLE FOR EASE OF REGULAR MAINTENANCE WHICH IS CRITICAL TO ITS FUNCTIONING PROPERLY.
5. SEDIMENT TRAPS ARE TEMPORARY MEASURES AND SHOULD NOT BE PLANNED TO REMAIN IN PLACE LONGER THAN 10 AND 24 MONTHS.
6. THE EMBANKMENT MAY NOT EXCEED 5' IN HEIGHT.
7. THE RECOMMENDED MINIMUM WIDTH AT THE TOP OF THE EMBANKMENT IS BETWEEN 2' AND 5'.

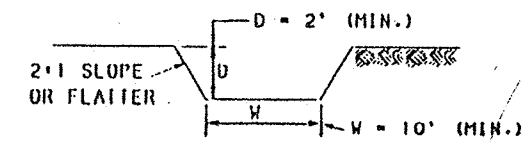
ONLY TRACED PROJECT NO.
T.V.H.A. REGION NO. 6



NOTE: CLASS "B" RIPRAP INCIDENTAL TO PLACEMENT ON TEMPORARY SEDIMENT TRAP.



SECTION A-A



SECTION B-B

SEDIMENT TRAP (EXCAVATED)

WILSON & COMPANY

4900 LANG AVE NE
ALBUQUERQUE, NM 87109
(505) 348-4000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
SANDIA HIGH SCHOOL
TESCM DETAILS

Design Review Committee
DESIGN REVIEW COMMITTEE

City Engineer Approval
CITY ENGINEER

City Project No. 795181

Zone Map No. G-19-Z

Sheet 4 Of 16

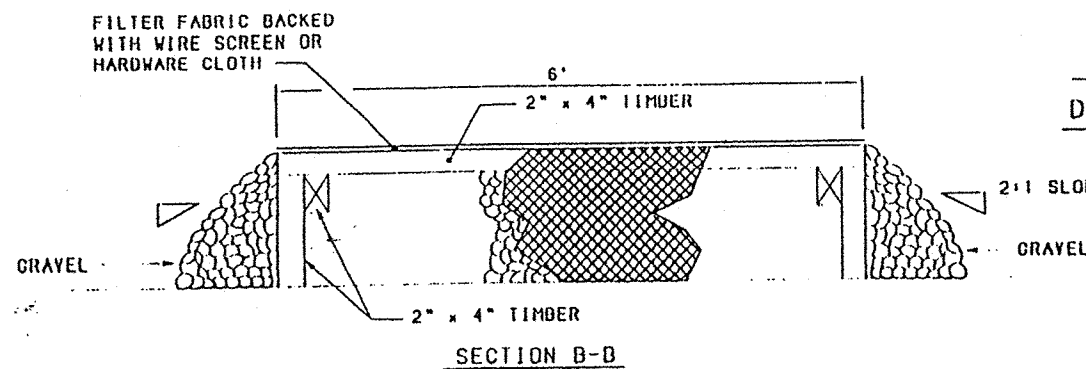
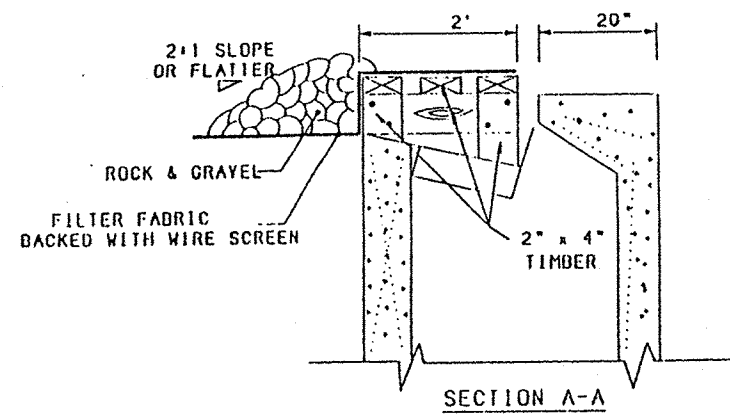
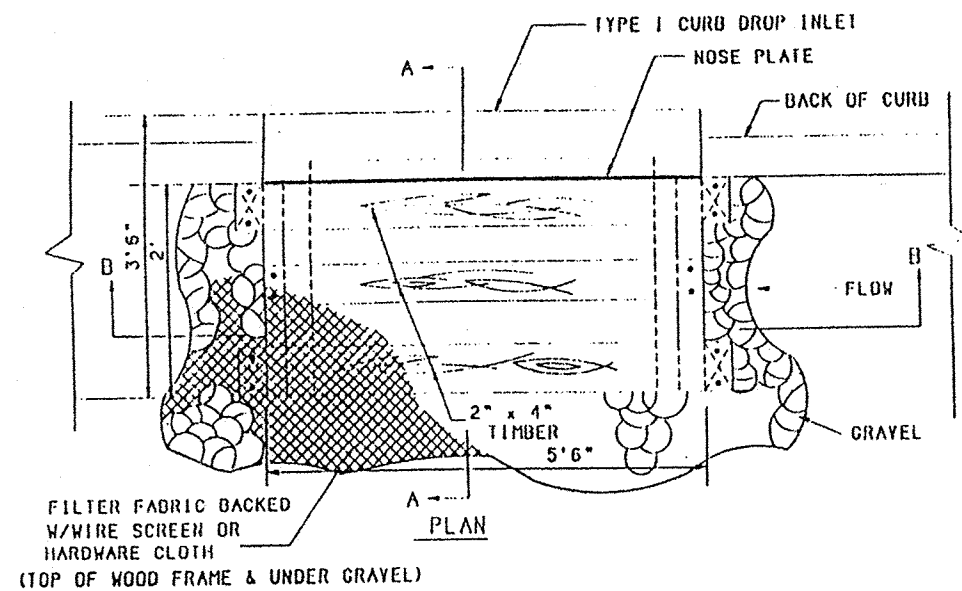


AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
CONTRACTOR	DATE	ACS BRASS TABLET STAMPED "3-G20 (RESET)"	DATE	FIELD NOTES	NO.
INSPECTOR'S SIGNATURE	DATE	SET IN TOP OF THE CONCRETE CURB ON OF A LEFT-TURN BAY, FLUSH WITH THE TOP OF CURB. THE STATION IS LOCATED JUST NORTH OF THE INTERSECTION IN THE MEDIAN STRIP ON WYOMING BLVD.	DATE	BY	
VERIFICATION BY	DATE		DATE		
MICRO-FILM INFORMATION					
RECORDED BY	DATE	SLD 1929 Elevation = 5404.783			

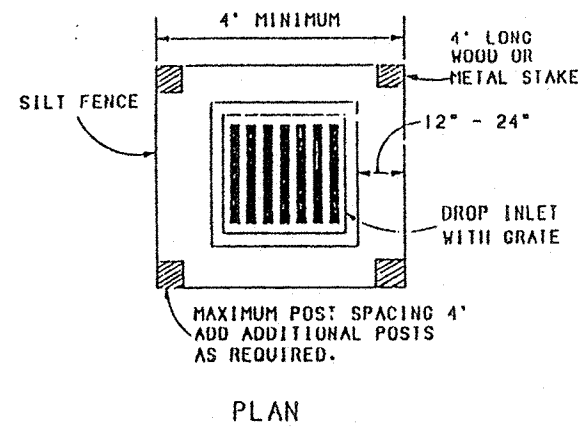
REVISIONS	BY	DATE
NO. DATE		
WILSON & COMPANY, ENGINEERS & ARCHITECTS		
DESIGNED BY	DATE	
DRAWN BY	DATE	
CHECKED BY	DATE	

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 795181 Zone Map No. G-19-Z Sheet 4 Of 16



GRAVEL INLET PROTECTION
DROP INLET PROTECTION TYPE II

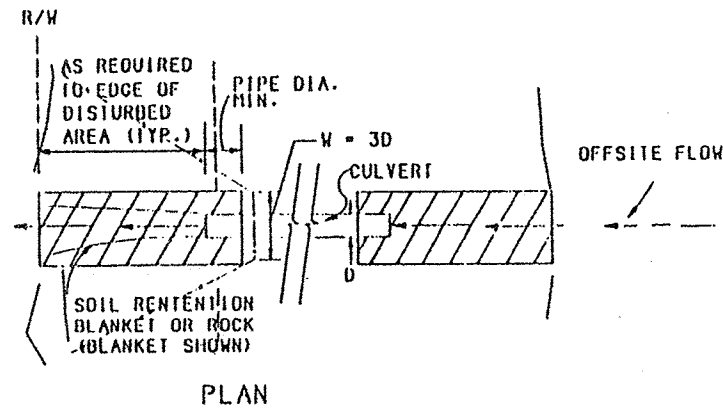


SEE SHEET 2 OF 4 FOR CONSTRUCTION
DETAILS OF SILT FENCE.

SILT FENCE INLET PROTECTION
DROP INLET PROTECTION, TYPE 1

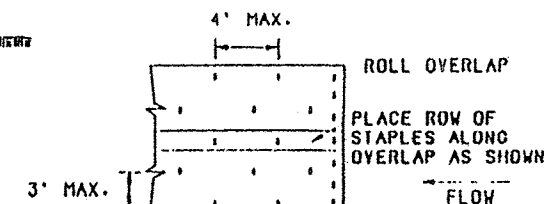
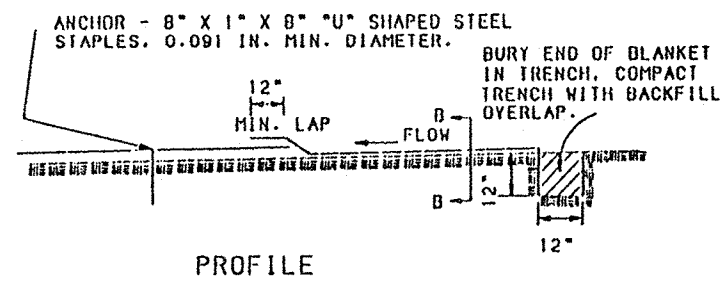
NOTE: GRAVEL INLET PROTECTION

1. THIS INSTALLATION IS FOR A TYPE I CURB DROP INLET ONLY. THE TYPE II, III TO "N" INSTALLATION IS SIMILAR.
2. THE SPACING OF THE LONGITUDINAL BRACING SHALL NOT EXCEED 6 FEET.

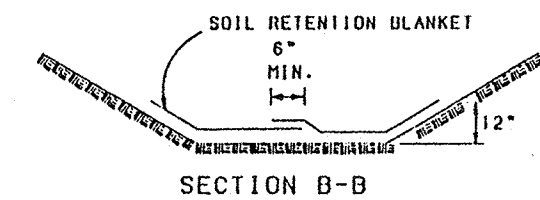


CULVERT PROTECTION NOTES:

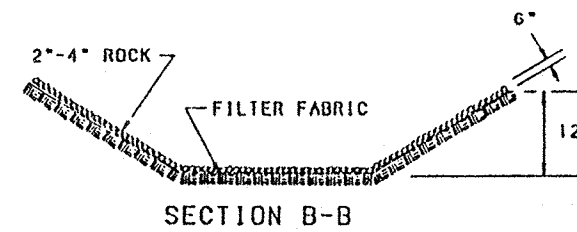
1. WHEN CULVERT PROTECTION IS SPECIFIED, EITHER SOIL RETENTION BLANKETS OR SOIL RETENTION ROCK MAY BE PROVIDED.
2. THE CULVERT PROTECTION WIDTH REQUIRED SHALL BE IN ACCORDANCE WITH THESE DETAILS UNLESS SPECIFIED OTHERWISE.
3. THE SOIL RETENTION BLANKET INSTALLATION SHOWN OUTLINES MINIMUM REQUIREMENTS. MANUFACTURER'S RECOMMENDATIONS SHALL BE USED IF THEY ARE MORE STRINGENT.



SOIL RETENTION BLANKET
STAPLE PATTERN



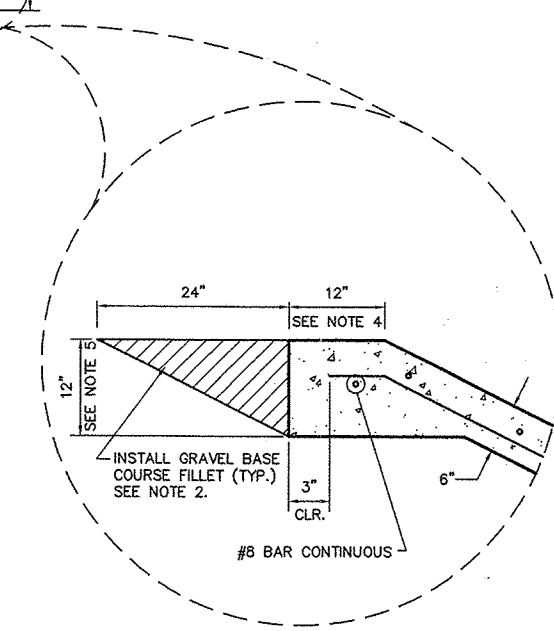
SOIL RETENTION BLANKET

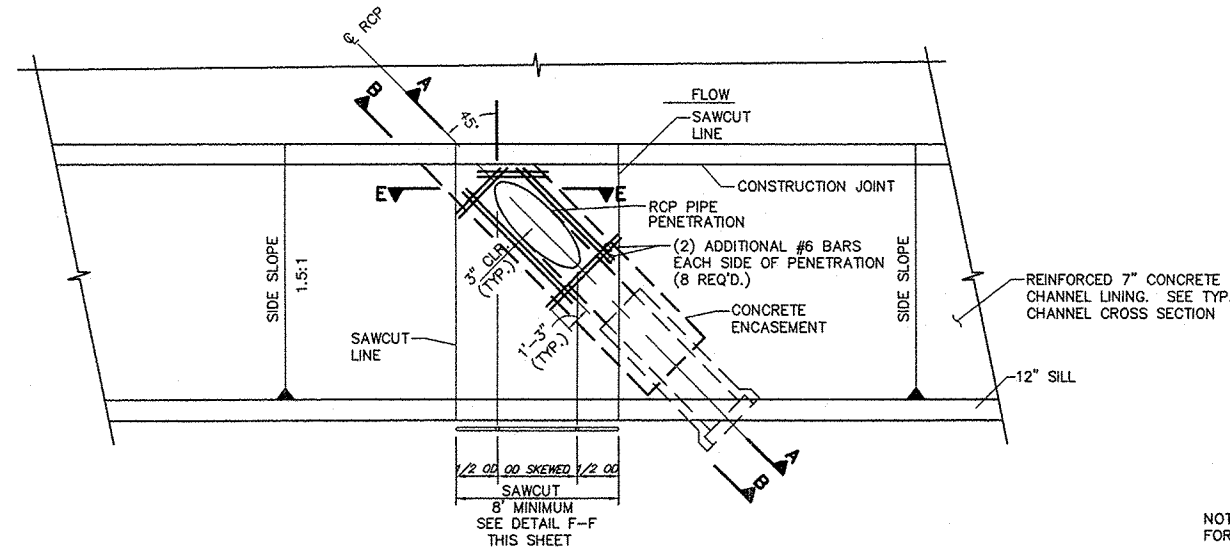


SOIL RETENTION ROCKS

CULVERT PROTECTION

[illegible]

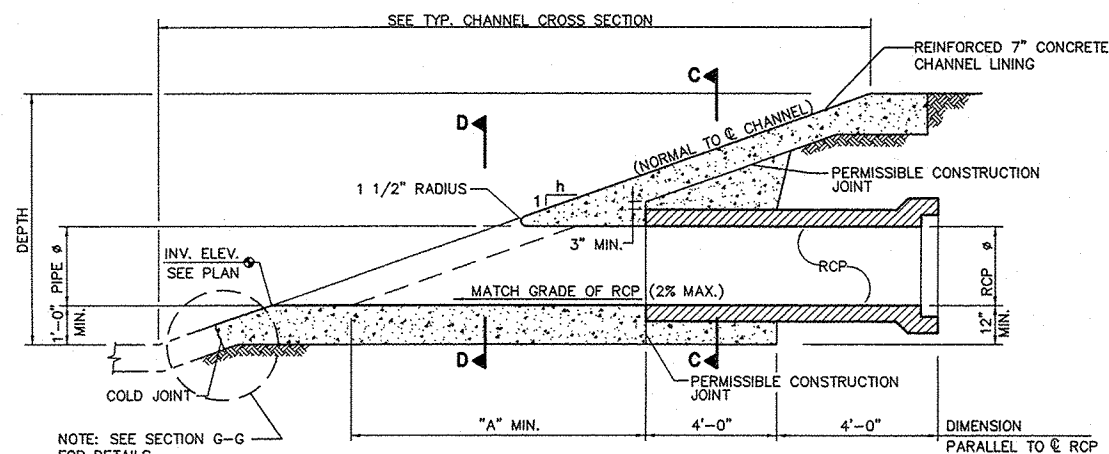




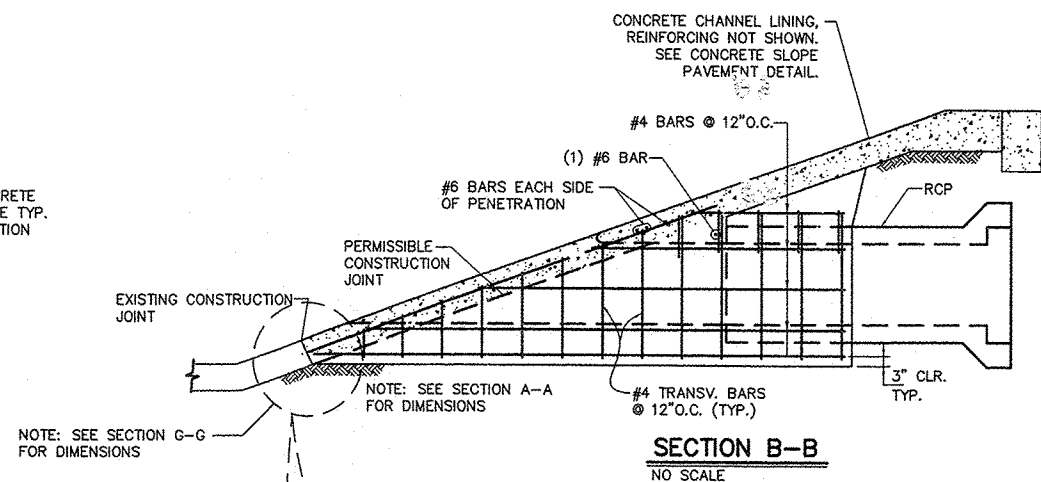
PIPE PENETRATION (PLAN VIEW)

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

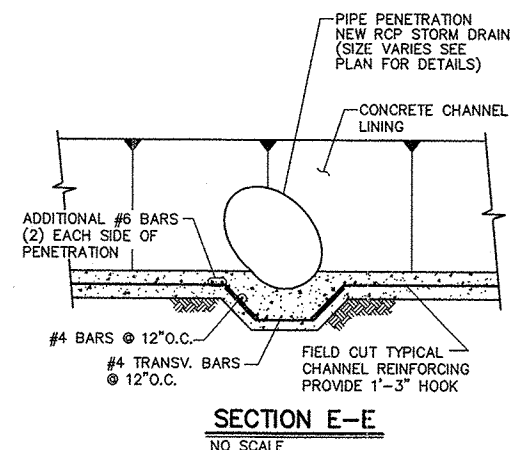
NOTE: TYPICAL CHANNEL REINFORCING @ RCP PENETRATION. FIELD BEND CUT-BARS INTO CONCRETE ENCASEMENT 1'-3". MAINTAIN 3" CLR. (MIN.) ON ALL SIDES. NO CUTTING OF CHANNEL SIDEWALL FOR CHANNEL PENETRATION WITHOUT PRIOR SSCAFCA APPROVAL.



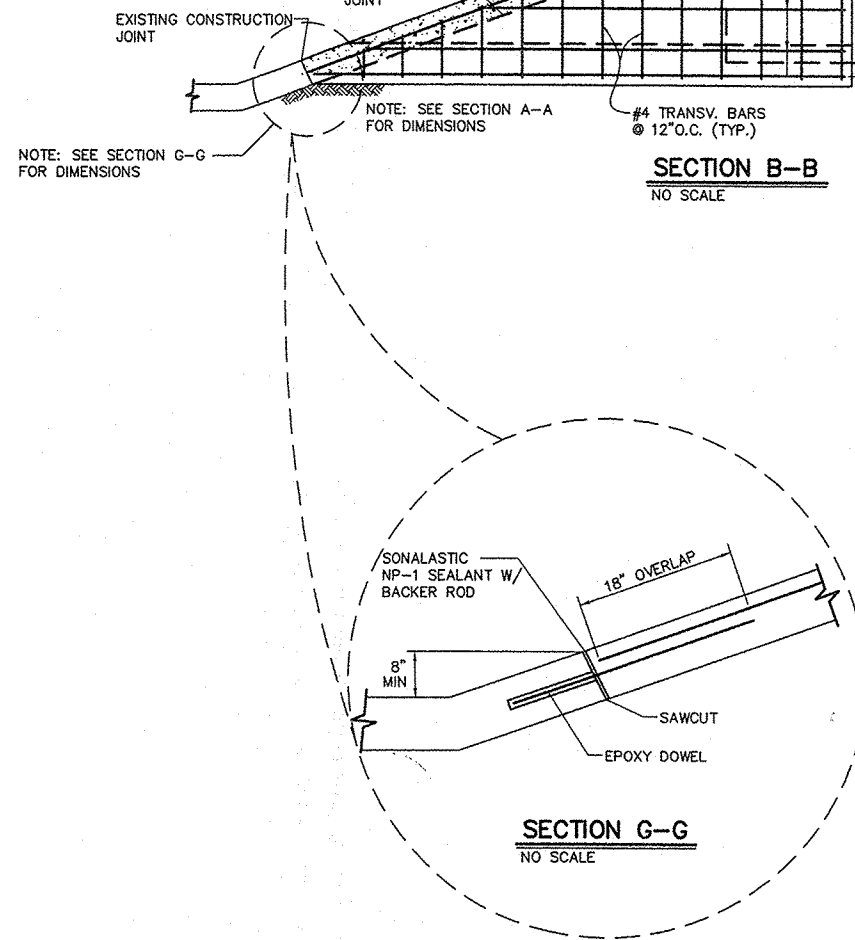
SECTION A-A
NO SCALE



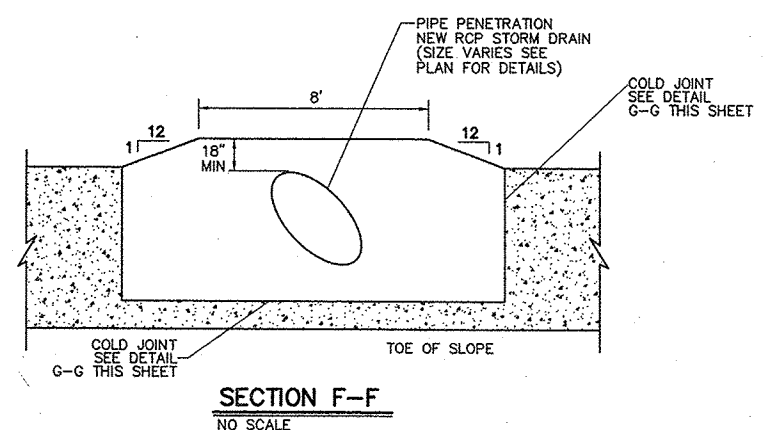
SECTION B-B
NO SCALE



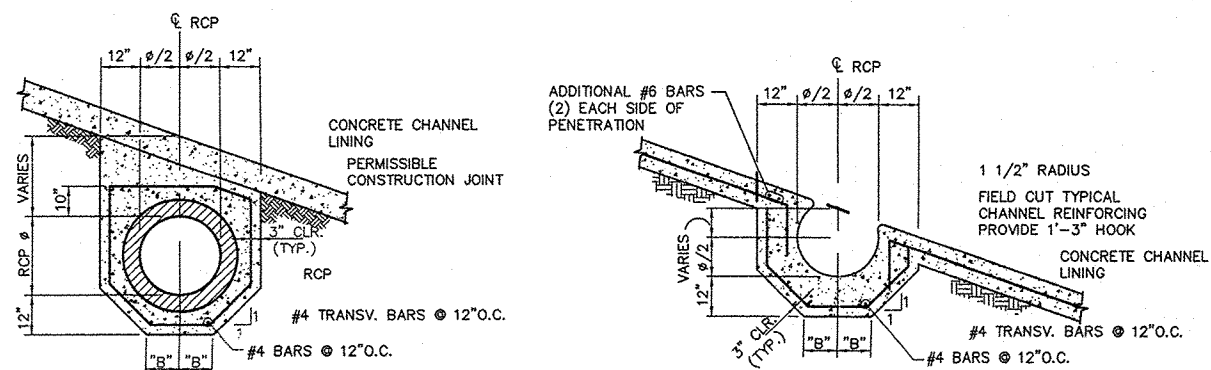
SECTION E-E
NO SCALE



SECTION G-G
NO SCALE



SECTION F-F
NO SCALE



SECTION C-C
NO SCALE

SECTION D-D
NO SCALE

GENERAL NOTES:

1. THE PIPE PENETRATION DETAILED HEREIN SHALL BE PAID FOR UNDER LUMP SUM AND SHALL BE COMPENSATED AS COMPLETE AND IN PLACE. INCLUDED IN THIS WORK (BUT NOT LIMITED TO) IS GRADING, SUBGRADE PREPARATION, REINFORCED CONCRETE, CONSTRUCTION JOINTS, CONCRETE PLACEMENT AND FINISHING.
2. ALL CULVERT PIPE PLACED UNDER THE CHANNEL LINING OR WITHIN COA RIGHT-OF-WAY SHALL BE RCP CLASS III.
3. THE STANDARD PIPE PENETRATION (PLAN VIEW) REQUIRES (2) ADDITIONAL #6 BARS MINIMUM. ACTUAL PIPE SIZE, SKEW AND LOCATION MAY REQUIRE (2) ADDITIONAL BARS, FOR A TOTAL OF (10). ALL BARS AT EACH SIDE OF PENETRATION MUST BE TIED.

SKEW ANGLE (DEGREES)	DIMENSION "A" FOR 2:1 SIDE SLOPE							
	PIPE DIAMETER (INCHES)							
0-10	5'-9"	6'-9"	7'-10"	8'-10"	9'-10"	10'-10"	11'-11"	13'-11"
>10-20	5'-11"	7'-0"	8'-1"	9'-2"	10'-3"	11'-3"	12'-4"	14'-6"
>20-30	6'-4"	7'-6"	8'-7"	9'-9"	10'-11"	12'-1"	13'-3"	15'-7"
>30-45	7'-4"	8'-9"	10'-2"	11'-7"	13'-0"	14'-5"	15'-10"	18'-9"

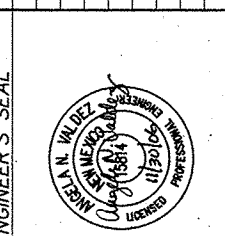
	DIMENSION "B"						
	PIPE DIAMETER (INCHES)						
24	30	36	42	48	54	60	72
10"	11"	1'-1"	1'-2"	1'-3"	1'-4"	1'-6"	1'-8"

WILSON & COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 348-4000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
SANDIA HIGH SCHOOL
DETAILS

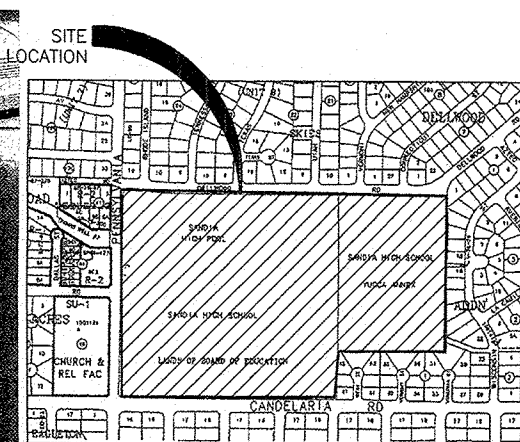
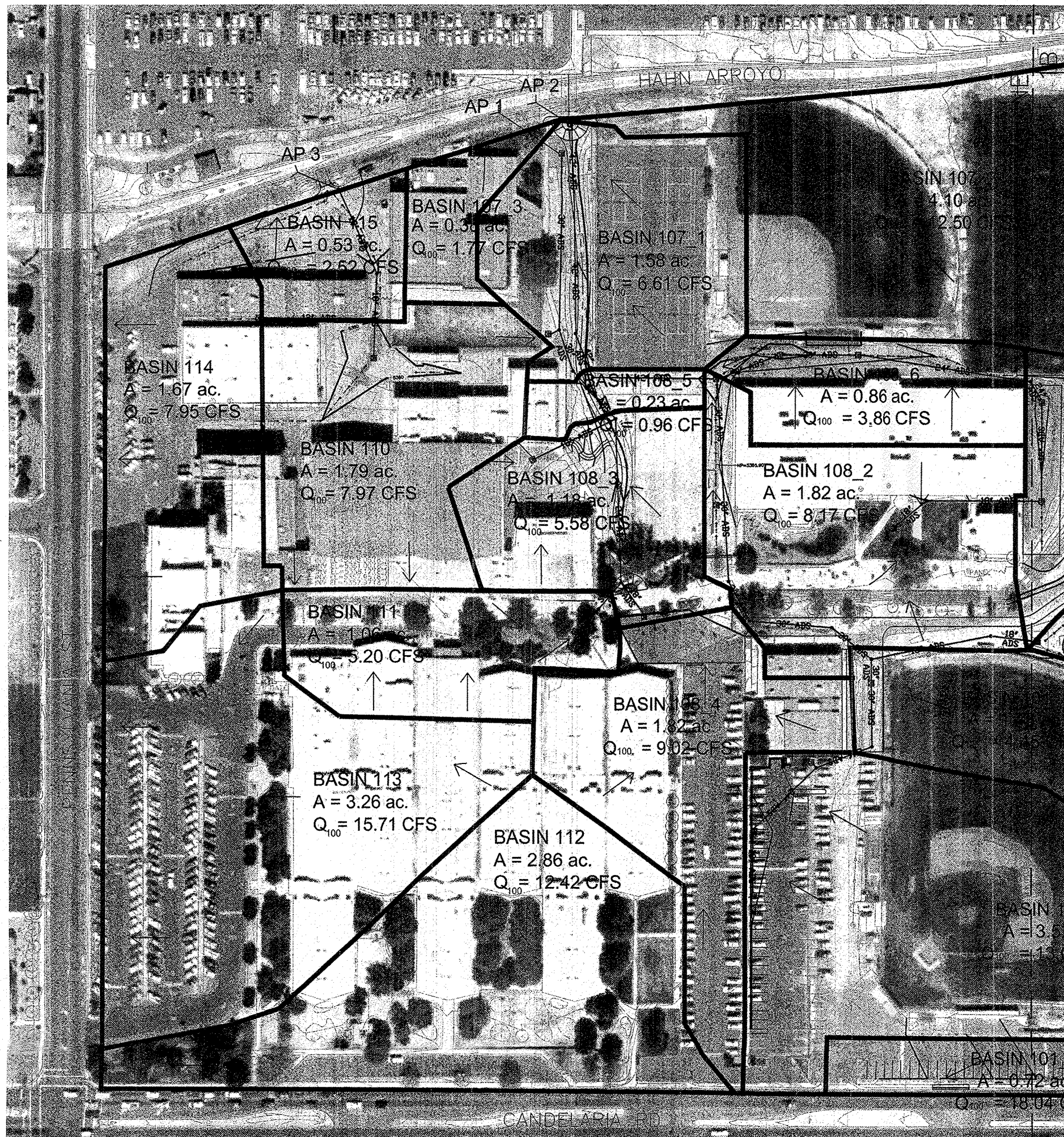
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
DESIGN REVIEW COMMITTEE	CITY ENGINEER		
City Project No. 795181	Zone Map No. G-19-Z	Sheet 7	Of 16

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
FIELD NOTES	DATE	AS BRASS TABLET STAMPED "3-G20 (RESET)"	CONTRACTOR	DATE	DATE
NO.	BY	SET IN TOP OF THE CONCRETE CURB OF A LEFT-TURN BAY, FLUSH WITH THE TOP OF CURB. THE STATION IS LOCATED JUST NORTH OF THE INTERSECTION IN THE MEDIAN STRIP ON WYOMING BLVD.	INSPECTOR'S SIGNATURE BY	DATE	DATE
			FIELD VERIFICATION BY	DATE	DATE
			CONTRACTOR'S SIGNATURE BY	DATE	DATE
			RECORDED BY	DATE	DATE
			NO.		

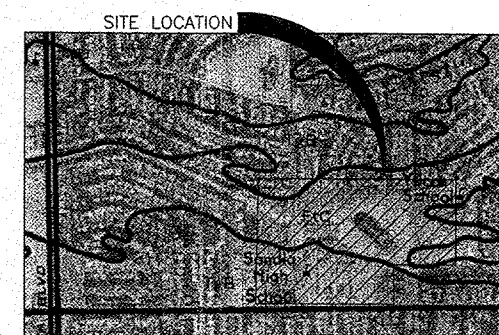


ENGINEER'S SEAL		REVISIONS	
NO.	DATE	BY	REMARKS

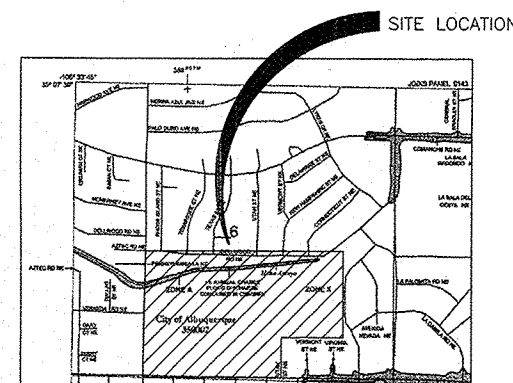
DESIGNED BY: ANV	DATE: 11/30/06
DRAWN BY: LUN	DATE: 11/30/06
CHECKED BY: MJJ	DATE: 11/30/06



LOCATION MAP
ZONE ATLAS MAP NO. G-19



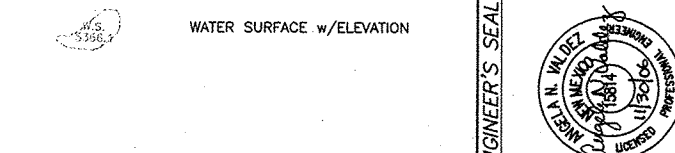
SOILS MAP
REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY
SHEET NO. 21



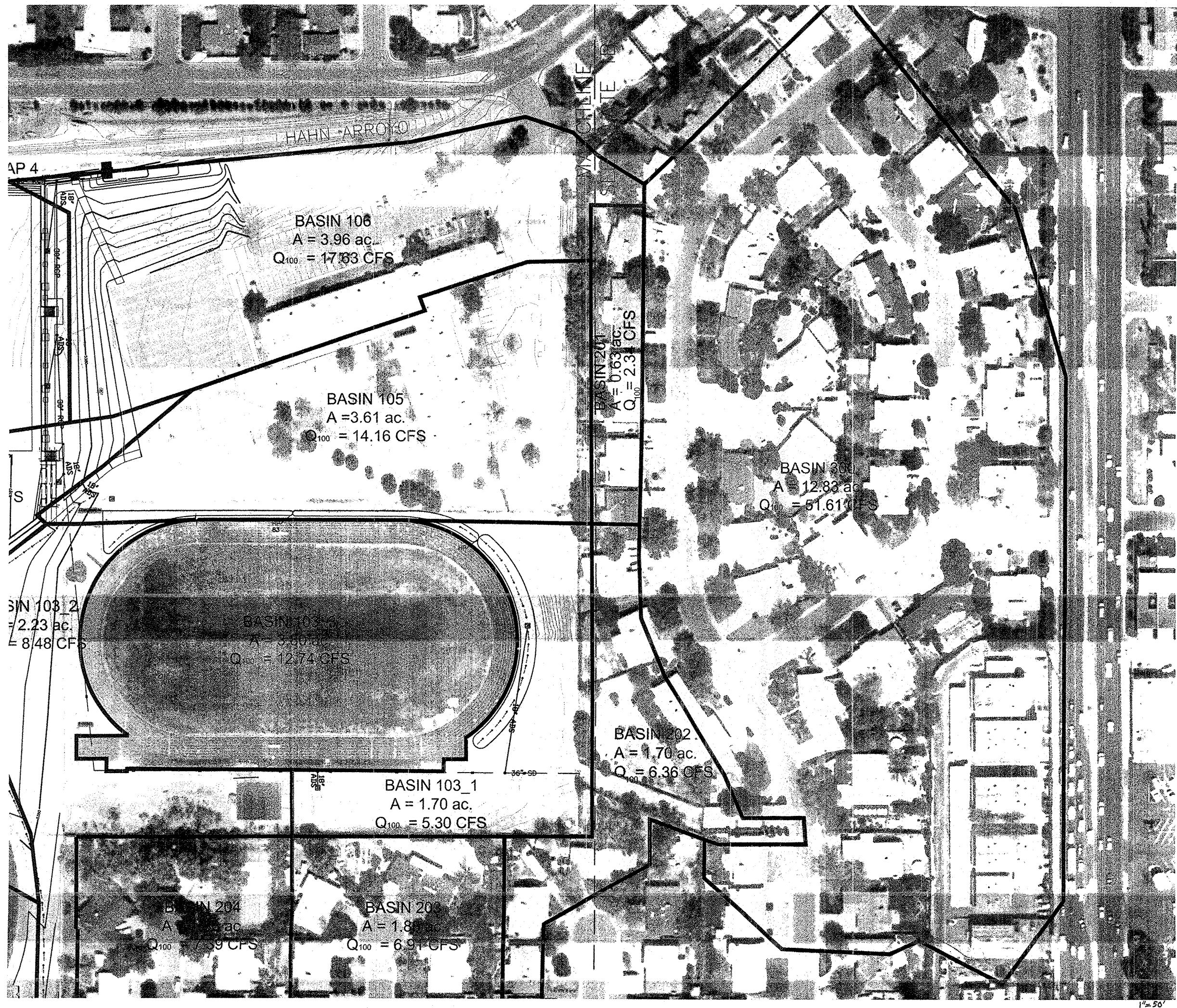
FLOOD INSURANCE MAP
REFERENCE: FLOOD INSURANCE STUDY
PANEL 356E

LEGEND

- PROPOSED CONCRETE FENCE / GUARDRAIL
- NEW CATCH BASIN
- NEW STORM MANHOLE
- BASIN BOUNDARY
- FLOW DIRECTION
- PROPOSED STORM DRAIN
- EXISTING STORM DRAIN
- UTILITY, SANITARY MANHOLE
- UNKNOWN MANHOLE
- LIGHT POLE
- FIRE HYDRANT
- ELECTRICAL PULL BOX
- TELEPHONE BOX
- TELEPHONE PEDESTAL
- SPRINKLER CONTROL BOX
- POWER POLE
- UTILITY, WATER VALVE VAULT
- GUYWIRE
- POST
- SIGN
- GAS VALVE
- TREE
- BUILDING
- SPOT ELEVATION
- CHAINLINK FENCE
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- BRUSH LINE
- WATER SURFACE w/ELEVATION



WILSON & COMPANY 4900 LANG AVE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 348-4000	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP SANDIA HIGH SCHOOL OVERALL GRADING & DRAINAGE PLAN	
Design Review Committee City Engineer Approval DESIGN REVIEW COMMITTEE ENGINEER	No. / Date / Yr. Mo. / Day / Yr. Mo. / Day / Yr. Mo. / Day / Yr.
City Project No. 795181 Zone Map No. G-19-Z Sheet 9 of 16	Revisions WILSON & COMPANY, ENGINEERS & ARCHITECTS DESIGNED BY: ANY DRAWN BY: LUN CHECKED BY: MJL DATE: 11/30/06 DATE: 11/30/06 DATE: 11/30/06



LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- FENCE / GUARDRAIL
- NEW CATCH BASIN
- NEW STORM MANHOLE
- BASIN BOUNDARY
- FLOW DIRECTION
- PROPOSED STORM DRAIN
- EXISTING STORM DRAIN
- UTILITY, SANITARY MANHOLE
- UNKNOWN MANHOLE
- LIGHT POLE
- FIRE HYDRANT
- ELECTRICAL PULL BOX
- TELEPHONE BOX
- TELEPHONE PEDESTAL
- SPRINKLER CONTROL BOX
- POWER POLE
- UTILITY, WATER VALVE VAULT
- GUYWIRE
- POST
- SIGN
- GAS VALVE
- TREE
- BUILDING
- SPOT ELEVATION
- CHAINLINK FENCE
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- BRUSH LINE
- WATER SURFACE w/ELEVATION



WILSON & COMPANY

4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO
87109
(505) 348-4000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
SANDIA HIGH SCHOOL
OVERALL GRADING & DRAINAGE PLAN

Design Review Committee
City Engineer Approval
City Engineer

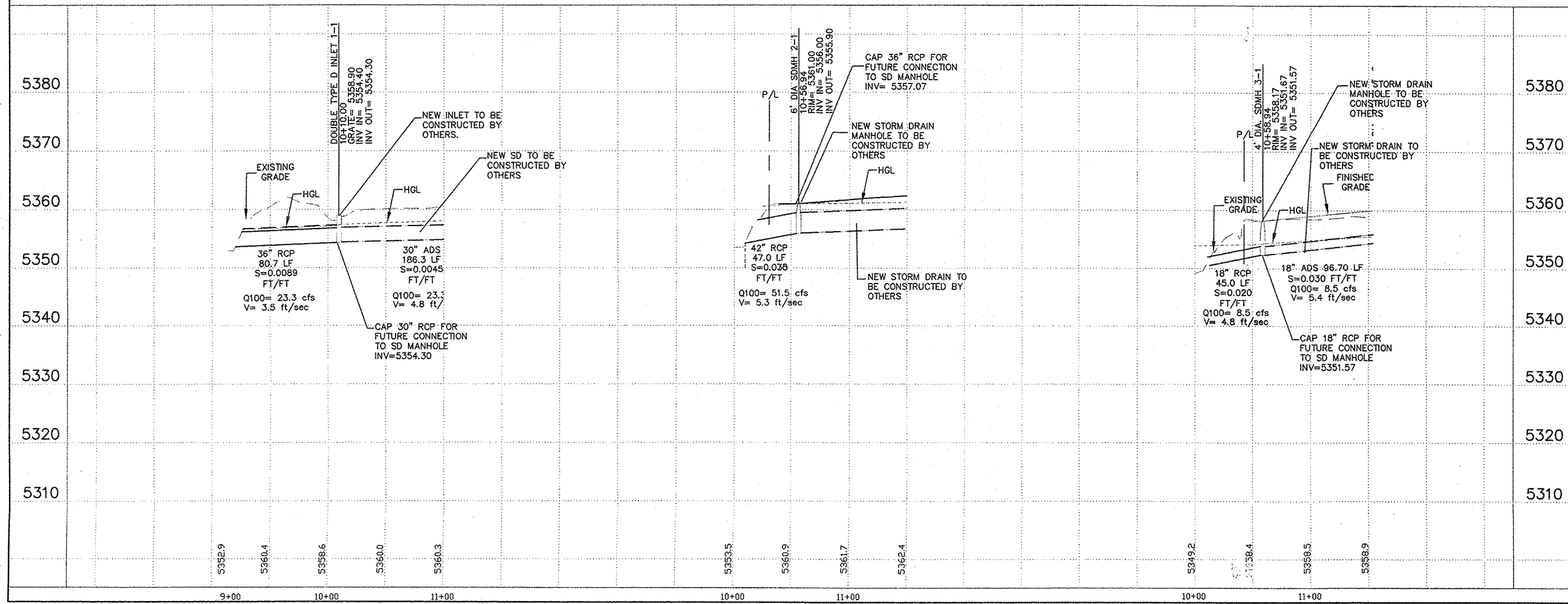
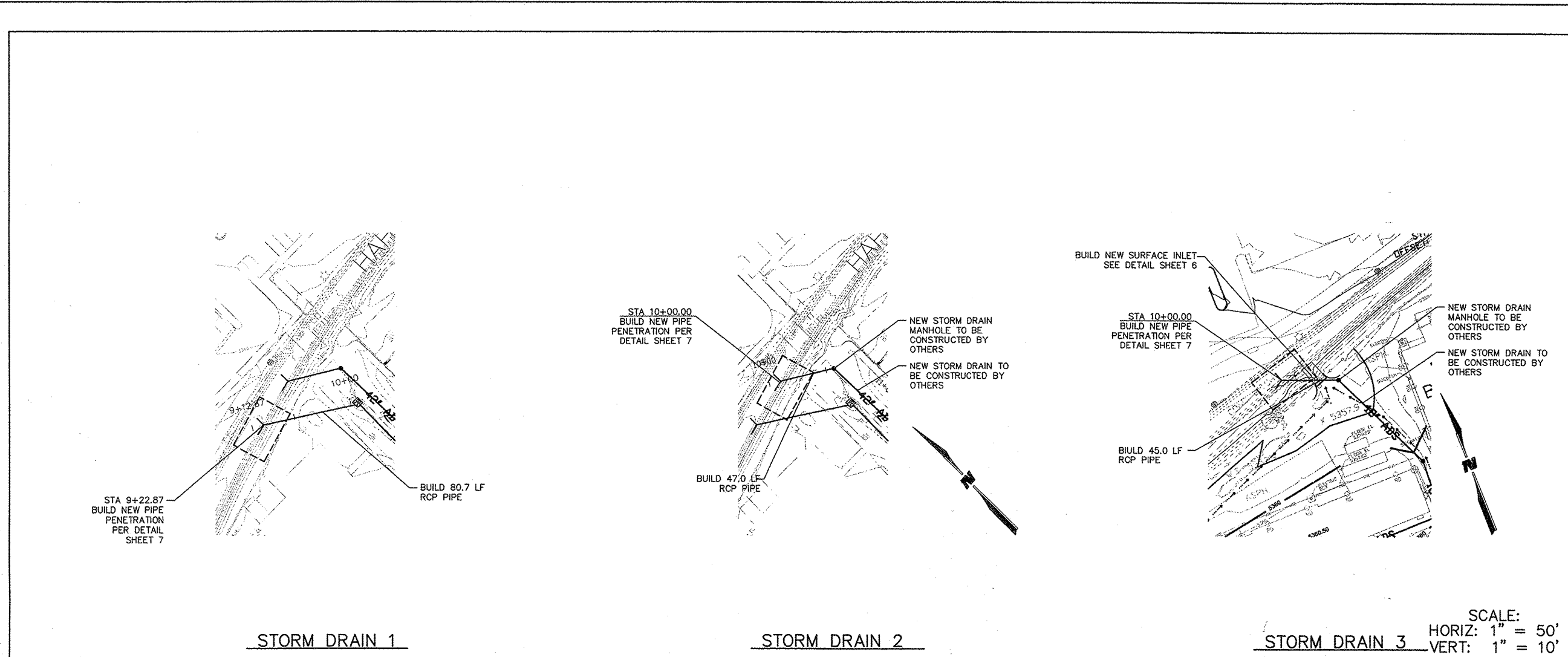
Mo./Day/Yr.
Mo./Day/Yr.

City Project No. 795181

Zone Map No. G-19-Z

Sheet 11 of 16

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		NO. DATE		DESIGNED BY		DRAWN BY		CHECKED BY		MICRO-FILM INFORMATION	
CONTRACTOR	DATE	ACCS BRASS TABLET STAMPED "3-G20 (RESET)"	DATE	FIELD NOTES	BY	SEAL	NO.	REMARKS	BY	NO.	DATE	ANY	DATE	DATE	DATE	DATE	DATE	DATE	DATE
WORK BY	DATE	SET IN TOP OF THE CONCRETE CURB OF A	DATE																
SURVEY BY	DATE	LEFT-TURN BAY, FLUSH WITH THE TOP OF																	
ACCEPTANCE BY	DATE	CURB. THE STATION IS LOCATED JUST NORTH																	
VERIFICATION BY	DATE	OF THE INTERSECTION IN THE MEDIAN STRIP ON																	
DRAWINGS BY	DATE	WYOMING BLVD.																	
RECORDED BY	DATE	SLD 1929 Elevation = 5404.783																	



CONSTRUCTION NOTES		AS-BUILT INFORMATION	
DESCRIPTION		BENCH MARKS	
SCALE: HORIZ: 1" = 50' VERT: 1" = 10' LEGEND LIMITS OF WORK ORDER		ACS BRASS TABLE STAMPED "3-C20 (RESET)" SET IN TOP OF THE CONCRETE CURB OF A LEFT-TURN BAY, FLUSH WITH THE TOP OF CURB. THE STATION IS LOCATED JUST NORTH OF THE INTERSECTION IN THE MEDIAN STRIP ON WYOMING BLVD.	
		SLD 1929 Elevation = 5404.783	
		NO. DATE BY	
		NO. DATE BY	
ENGINEER'S SEAL		REVISIONS	
INDEX MAP		NO. DATE BY	
WILSON & COMPANY		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP		DESIGNED BY DATE 11/30/06	
SANDIA HIGH SCHOOL STORM DRAIN PLAN AND PROFILES		DRAWN BY DATE 11/30/06	
City Project No. 795181		Zone Map No. G-19-Z	
Design Review Committee		City Engineer Approval	
APPROVE DEC 18 2006 DESIGN REVIEW COMMITTEE		APPROVE MAR 22 2007 CITY ENGINEER	
City Project No. 795181		Zone Map No. G-19-Z	
Sheet 14		Of 16	

