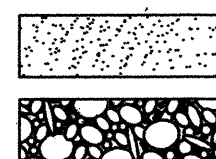


LEGEND

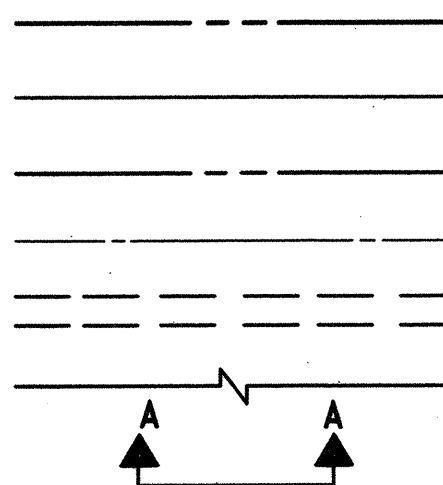
MATERIALS

CONCRETE
RIP-RAP



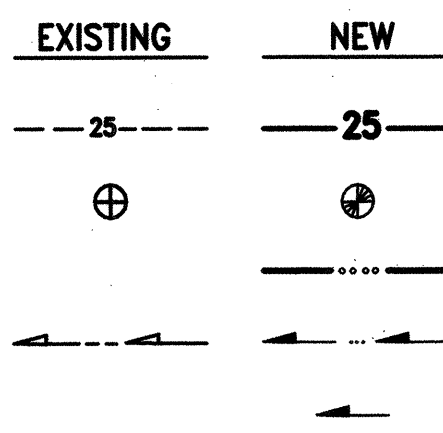
LINES

SUBDIVISION BOUNDARY
PROPERTY LINE (PLAN)
PROPERTY LINE (SECTION)
CENTERLINE
EASEMENT LINE
MATCH LINE
SECTION CUT LINE



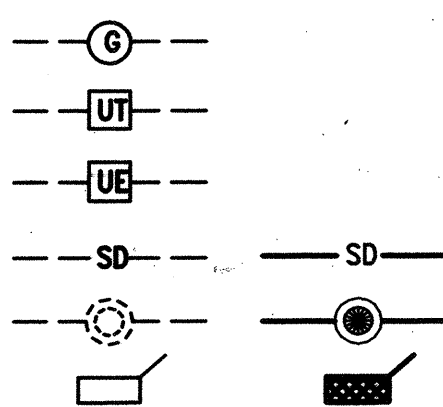
EARTHWORK

CONTOUR LINE
SPOT ELEVATION
PROJECT / PHASE BOUNDARY
FLOWLINE
DIRECTION OF FLOW



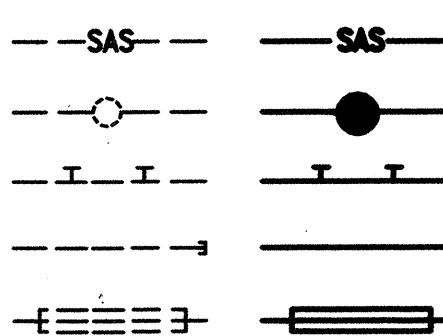
MISCELLANEOUS UTILITIES

GAS LINE
UNDERGROUND TELEPHONE
UNDERGROUND ELECTRICAL
STORM DRAIN
STORM DRAIN MANHOLE
STORM DRAIN INLET



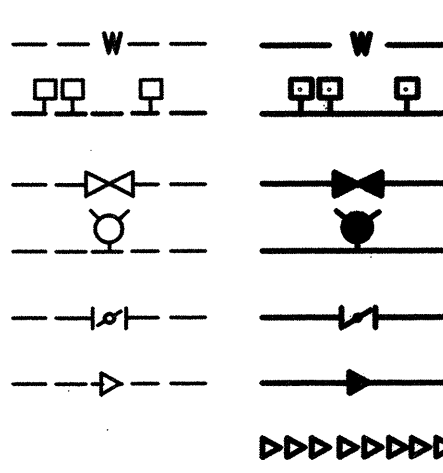
SANITARY SEWER

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTIONS
SAS CAP OR PLUG
ENCASEMENT



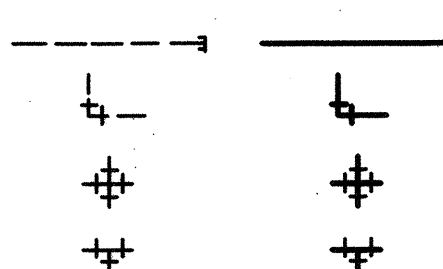
WATER

WATER LINE
WATER SERVICE CONNECTIONS
GATE VALVE
FIRE HYDRANT
BUTTERFLY VALVE
REDUCER
WATER PRESSURE ZONE BOUNDARY



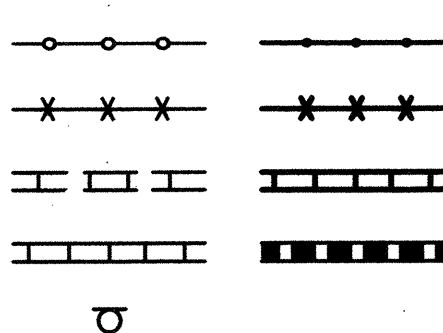
WATER FITTINGS

CAPS AND PLUGS
ELBOW
CROSS
TEE



MISCELLANEOUS

CHAINLINK FENCE
FIELD FENCE
COMMON YARD WALL
RETAINING WALL
POWER OR TELEPHONE POLE



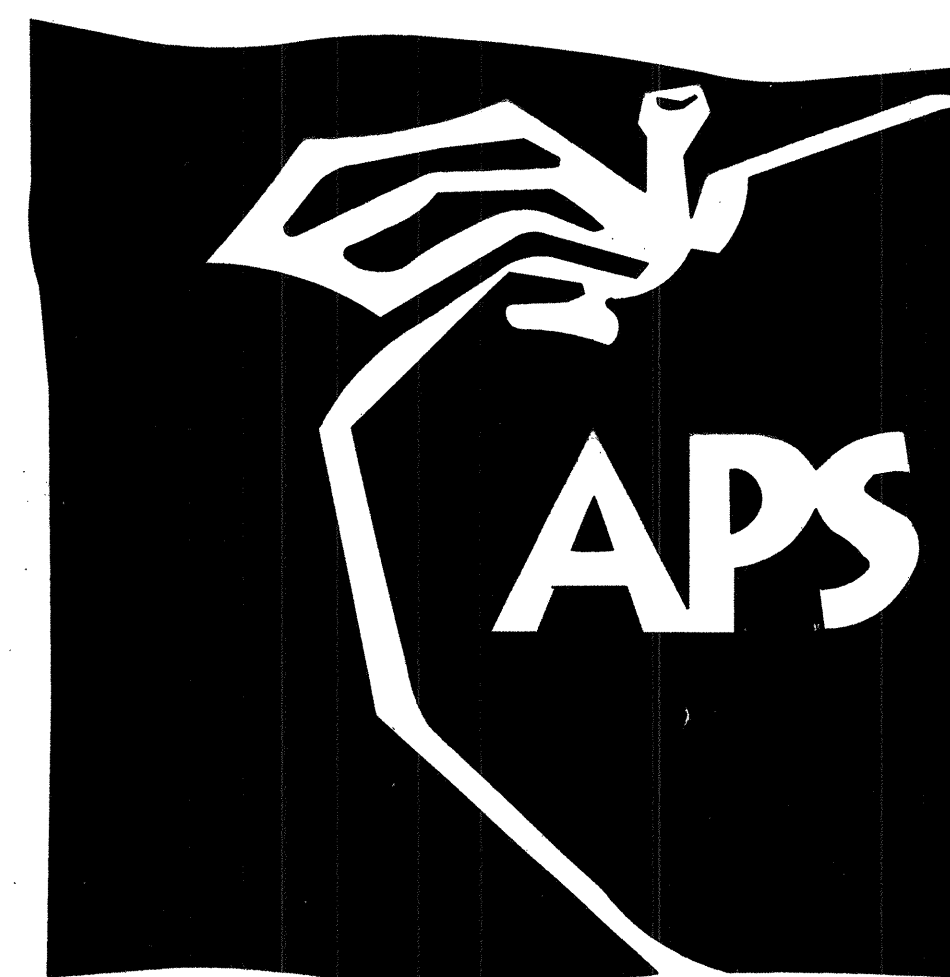
2 3 4 5 6 7 8 9 10 11 12 13 14 15
86-3940-81-2009

RECORD DRAWING

CONSTRUCTION PLANS

for

2008 WATER AND SANITARY SEWER LINE EXTENSIONS HIGHLAND HIGH SCHOOL ALBUQUERQUE, NEW MEXICO NOVEMBER, 2008



INDEX OF DRAWINGS

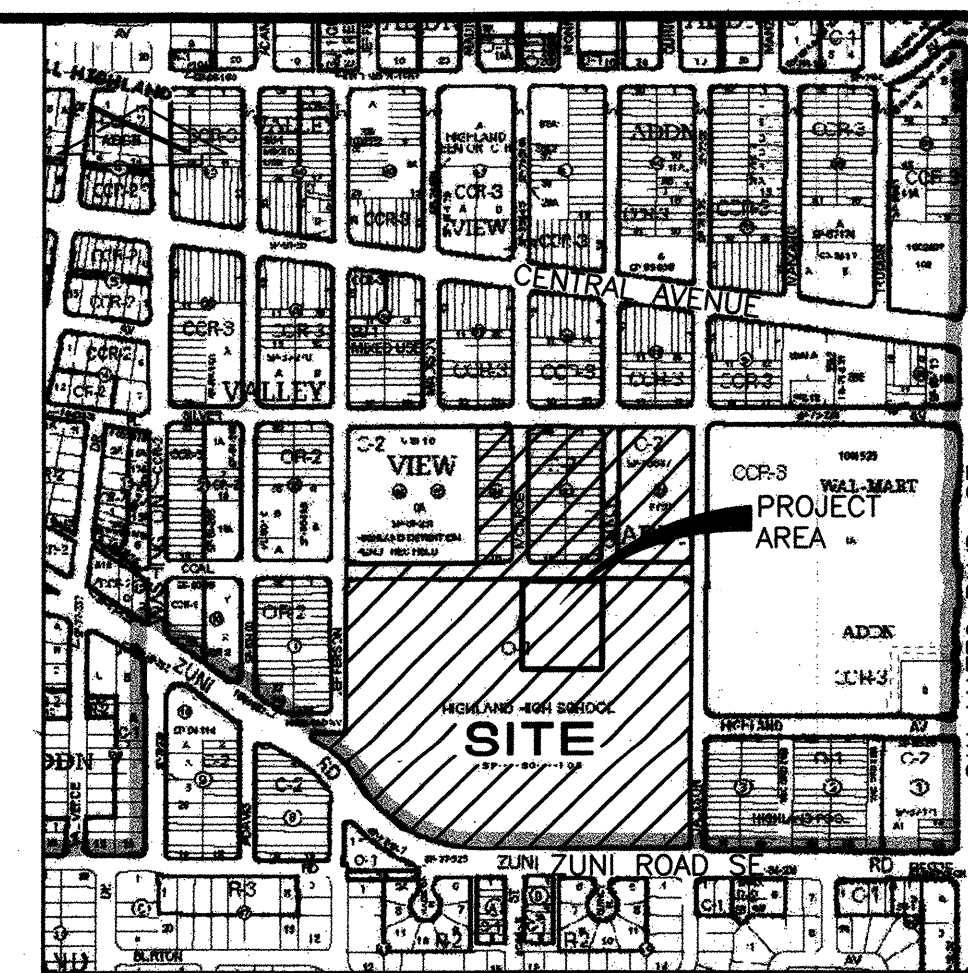
SHEET DESCRIPTION

1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2A & B	PLAT OF RECORD - ORIGINAL PLAT OF RECORD - NEW
3	OVERALL PLAN
4	MAIN CAMPUS PLAN
5	LINE 'A' RELOCATION PLAN AND PROFILE
6	LINE 'F' PLAN AND PROFILE (PRIVATE UNMETERED FIRE PROTECTION LINE)
7	SANITARY SEWER SERVICE PLAN AND PROFILE
8	SECTIONS, DETAILS AND WATER VALVE SHUTOFF PLAN

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM HIGH MESA CONSULTING GROUP, HEREBY CERTIFY THAT THE INFRASTRUCTURE CONSTRUCTED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE ORIGINAL DESIGN INTENT OF THE CITY ENGINEER APPROVED PLANS DATED 06-05-2008. THE RECORD INFORMATION EDITED ONTO THIS ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION WITH AS-BUILT SURVEY DATA OBTAINED UNDER THE DIRECT SUPERVISION OF CHARLES G. CALA, JR., NMPS 11184, OF THE FIRM HIGH MESA CONSULTING GROUP, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS RECORD INFORMATION IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR ACCEPTANCE OF THE PROJECT BY THE CITY ENGINEER.

JEFFREY G. MORTENSEN, NMPE 8547
DATE 04-09-2009



VICINITY MAP

K-17

SCALE: 1" = 750'

GENERAL NOTES:

- 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 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1980 EDITION, UPDATE NO. 7.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 280-1990, (ALBUQUERQUE AREA) 1-800-321-ALERT (2537) (STATEWIDE) FOR LOCATION OF EXISTING PUBLIC UTILITIES AND AGASTO UTILITY LOCATING COMPANY (889-3341) FOR THE LOCATION OF EXISTING PRIVATE UTILITIES ON AFS PROPERTY.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND 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, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE OR PER COA STANDARD DRAWING 2465, WHICHEVER IS MORE STRINGENT.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEEPENED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER AUTHORITY PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATION. THE WATER AUTHORITY PHONE NUMBER IS 857-8200.
- CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE SPECIFICATIONS.
- SEVEN (7) 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 BARRICADE PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC CONTROL.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED STRIPING BY CONTRACTOR TO EXISTING LOCATION OR AS INDICATED BY THIS PLAN SET.
- CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926, SUBPART P-EXCAVATIONS.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- WHEN APPLICABLE, CONTRACTOR SHALL, ON BEHALF OF THE OWNER AND OPERATORS, SECURE "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.

HIGH MESA Consulting Group

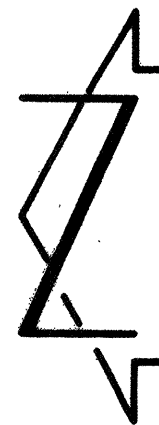
6010-B MIDWAY PARK BLVD., NE • ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacog.com

2008.180.7

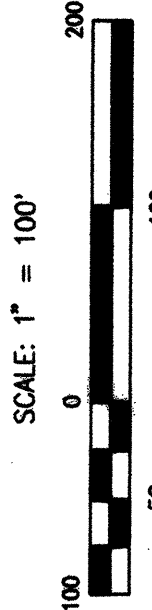
REV.	SHEETS	CITY	ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE	
1	8										
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE		*****			
		DRC Chairman		11/25/08		11/25/08		APPROVED FOR CONSTRUCTION			
		Transportation		11/24/08		11/24/08					
		Water/Wastewater		11-24-08		11-24-08					
		Hydrology		11-24-08		11-24-08					
		C.I.P.									
Const. Mngmt.								City Engineer Date			
Const. Coord.											
City Project No.		394081		SHEET		1		OF		8	

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE: 09/10/09

SP #2008373554



SCALE: 1" = 100'



PLAT OF
TRACT A-1, HIGHLAND HIGH SCHOOL

ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 2008

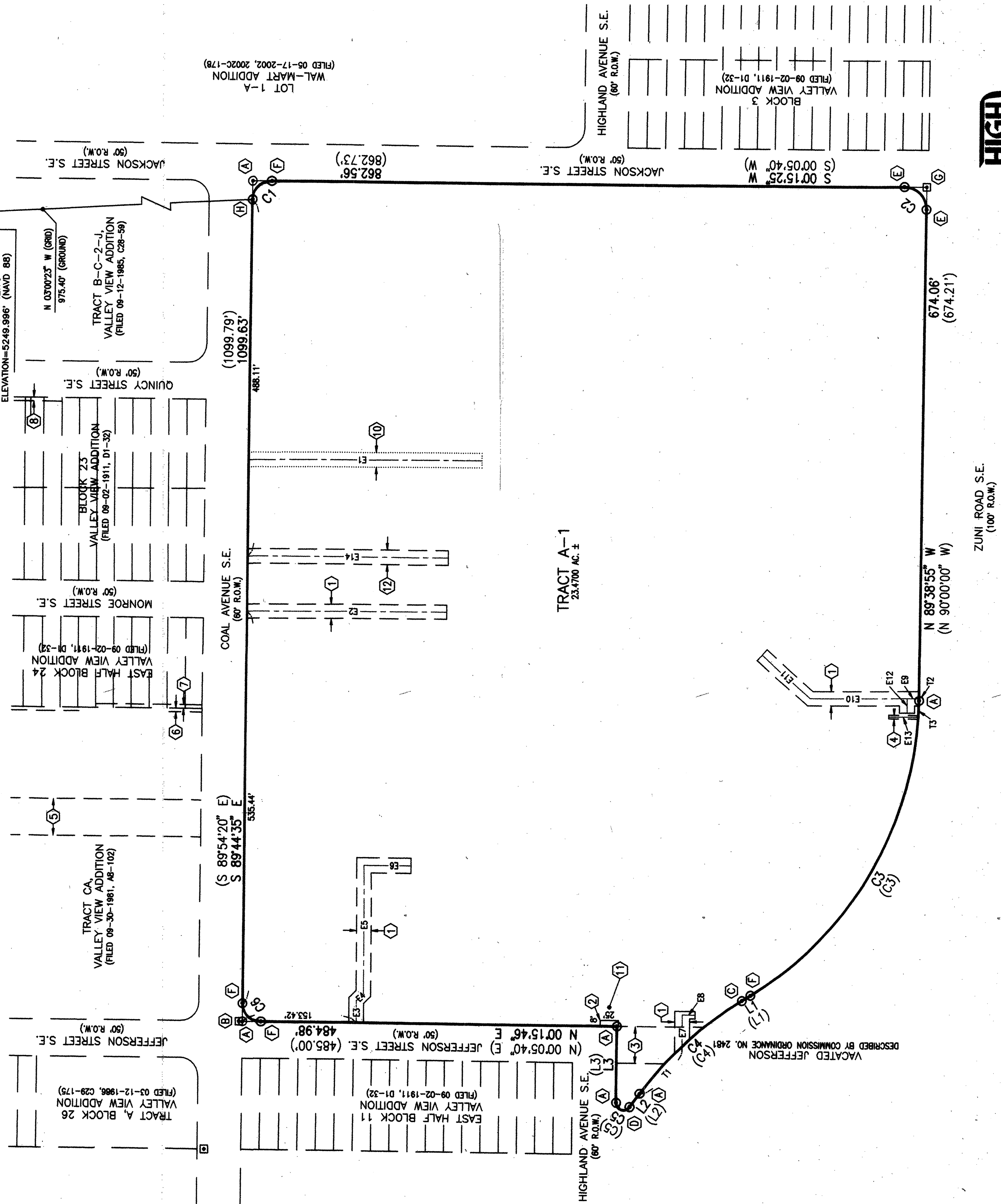
NOVEMBER, 2008

PLAT OF

DOC# 2008130255

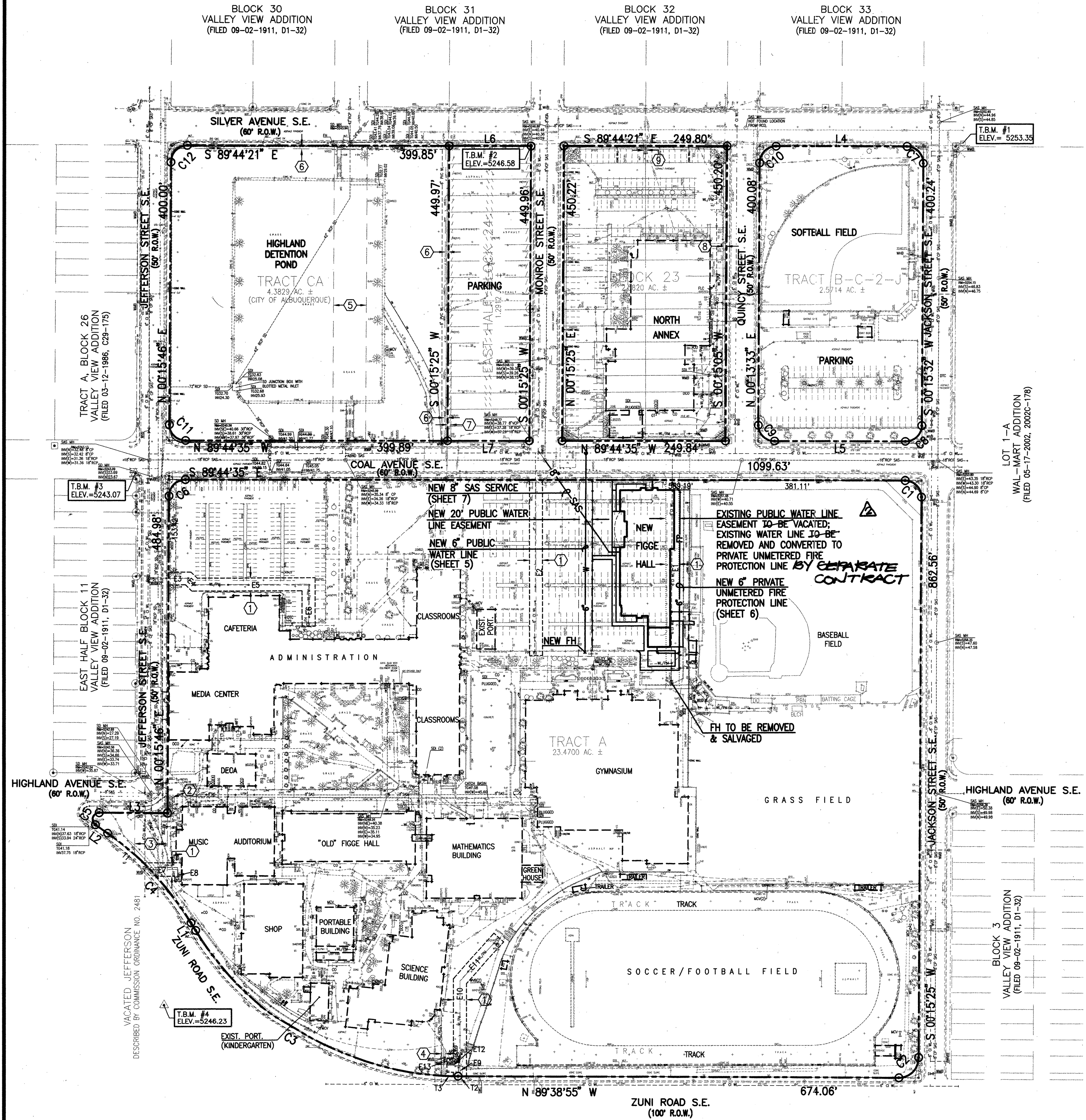
DDC# 2008130255
 12/10/2008 09:21 AM Page: 3 of 3
 Toulous Olivere, Bernalillo Cour
 PLAT R: \$17.00 B: 0260 M:

COUNTY CLERK FILING DATA



RECORD DRAWING

CPN394081 SHEET 23 OF 8



A1 OVERALL SITE PLAN
SCALE: 1" = 100'

LEGEND

ABND	ABANDONED	OVHG	OVERHANG
ACH	AIR CONDITIONER	PB	PARKING BUMPER
ACT	AIR CONDITIONER/HEATER UNIT	PBN	PLAYGROUND EQUIPMENT
AP	1.5" ASPHALT CUT	PGE	PLAYHOUSE
APP	ANNOUNCER	PH	PAINTED ISLAND
AR	ASPHALT PATH	PI	PORTABLE
ARD	ASPHALT PAVING PATCH	PORT	PARKING STRIPE
ARV	ASPHALT RAMP	PS	PLANTER
ASPH	ASPHALT RUN-DOWN	PTR	POLYVINYL CHLORIDE PIPE
ASV	WATER AIR RELEASE VALVE	PVC	RECORD DRAWINGS
ASV	ASPHALT	RCD	REINFORCED CONCRETE PIPE
AW	ANTI-SIPHON VALVE	RCP	ROOF DRAIN
BGP	AREA WAY	RD	ROW OF PARKING BUMPERS
BLCH	BASKETBALL GOAL POST	RFB	RAILROAD TIE
BLDG	BLEACHERS	RRT	SANITARY SEWER
BOH	BUILDING	SAS	SANITARY SEWER BY PAINT MARK
BR	BUILDING OVERHANG	SAS/PM	SANITARY SEWER FROM RECORD DRAWING
BS	BIKE RACK	SAS/RCD	SATELLITE DISH
C&G	BACKSTOP	SAT	SPEED BUMP
C&G	CURB AND GUTTER	SB	STEEL COVER
C/PM	COMMUNICATION BY PAINT MARK	SC	SCORE BOARD
CBC	CONCRETE BUILDING COLUMN	SCB	SPRINKLER CONTROL TIMER
CBW	CONCRETE AND BRICK WALL	SD	STORM DRAIN
CBN	CONCRETE BENCH	SDI	STORM DRAIN INLET
CC	CONCRETE CURB	SDP	SERVICE DROP POLE
CC	CONCRETE COLUMN	SDPC	SERVICE DROP POLE WITH CONDUIT
COP	CONCRETE GUARD POST	SDPL	SERVICE DROP POLE WITH LIGHT
CL	CAST IRON PIPE	SGA	SLIDE GATE
CL	CENTERLINE	SGP	STEEL GUARD POST
CLD	CENTERLINE OF DOOR	SHR	STEEL HANDRAIL
CLDD	CENTERLINE OF DOUBLE DOOR	SMP	SUMP PUMP
CLF	CHAINLINK FENCE	SP	STEEL POLE
CLGD	CENTERLINE OF GARAGE DOOR	SS	SANITARY SEWER SERVICES
CMU	CONCRETE MASONRY UNIT WALL	SSB	SANITARY SPRINKLER VALVE BOX
CONC	SANITARY SEWER CLEANOUT	ST	STEP
CP	CONCRETE	STD	STANDARD
CPT	CONCRETE PIPE	STP	STEAM PIPE FROM RECORD DRAWING
CR	CONCRETE PICNIC TABLE	SW	SIDEWALK
CS	CONCRETE RAMP	SWC	SIDEWALK CULVERT
CSW	CONCRETE SIDEWALK	SV	SPRINKLER VAULT
CSW	CONCRETE TRASH CAN	SVB	SPRINKLER VALVE BOX
CW	CONCRETE WALL	V/PM	UNDERGROUND TELEPHONE BY PAINT MARK
CW/HR	CONCRETE WALL AND STEEL HAND RAIL	TA	TOP OF ASPHALT
DB	DUCT BANK	TC	TOP OF CURB
DCO	DOUBLE SANITARY SEWER CLEANOUT	TCAB	TELEPHONE CABINET
DGA	DOUBLE GATE	TCND	TELEPHONE CONDUIT
DUG	DUG OUT	TCO	TOP OF CONCRETE
DTC	DELINEATOR POST	TELE	TELEPHONE
DTC	DRAIN THROUGH CURB	TELE	TOP OF GRATE
E/PM	UNDERGROUND ELECTRIC BY PAINT MARK	TRP	TELEPHONE PAVING PATCH
EA	EDGE OF ASPHALT	TS	TRAFFIC SIGN
EC	ELECTRIC CONDUIT	TV	TELEPHONE VAULT
ECB	ELECTRIC CABINET	TW	TOP OF WALL
EW	ELECTRIC METER	TWL	TREE WELL
EO	ELECTRIC OUTLET	TYP	TYPICAL
EPB	ELECTRIC PULLBOX	UTN	UTILITY TUNNEL
ET	ELECTRIC TRANSFORMER	VAC	VACUUM
EV	ELECTRIC VAULT	VCP	VITRIFIED CLAY PIPE
EXIST	EXISTING	VG	VALLEY GUTTER
FF	FINISHED FLOOR	VGT	VENTILATION GRATE
FOP	FOOTBALL GOAL POST	VNT	VENT
FL	FIRE HYDRANT	WB	WOOD BENCH
FLC	FIRE LINE CONNECTION	WBR	WOOD BRIDGE
FP	FLAG POLE	WF	WATER FOUNTAIN
G	GAS LINE	WFT	WATER FAUCET
G/PM	UNDERGROUND GAS BY PAINT MARK	WHB	WATERLINE HOT BOX
G/RCD	GAS LINE FROM RECORD DRAWING	WIF	WROUGHT IRON FENCE
GA	GATE	WL	WATERLINE
GM	GAS METER	WL/PM	UNDERGROUND WATERLINE BY PAINT MARK
GMS	GRASS MOW STRIP	WL/RCD	WATERLINE FROM RECORD DRAWING
GPR	GAS PRESSURE REGULATOR	WMB	WATER METER BOX
GR	GRAVEL	WMH	WATER MANHOLE
GS	GAS SERVICE	WMS	WOOD AND METAL STEPS
GS/UG	GAS SERVICE TO UNDERGROUND	WPC	WOOD POWER POLE WITH CONDUIT
GT	GRAVE TRAP	WPL	WOOD POWER POLE WITH LIGHT
GVB	GAS VALVE BOX	WPP	WOOD POWER POLE
GW	GUY WIRE	WPT	WOOD PICNIC TABLE
HCS	HANDICAP SIGN	WST	WOOD STEPS
HTR	HEATER	WSL	WOOD SHED
INV	INVERT ELEVATION	WSL	WOOD STEPS AND LANDING
LCW	LOW CONCRETE WALL	WV	WATER VAULT
LST	LANDSCAPE TIMBER	WVB	WATER VALVE BOX
MCV	METER CAN WITH VALVE		
MH	MANHOLE		
MHR	METAL HAND RAIL		
MLP	METAL LIGHT POLE		
MPT	METAL PICNIC TABLE		
MRS	METAL RAMP WITH STEPS		
MS	METAL STEPS		
MSD	METAL SIGN		
MSN	METAL SIGN		
MTC	METAL TRASH CAN		
OHE(1)	OVERHEAD ELECTRIC (# OF LINES)		
OHM	OVERHEAD ELECTRIC MAST		
OHT(1)	OVERHEAD TELEPHONE (# OF LINES)		

BENCHMARKS

PROJECT BENCHMARK

- ACS 2" BRASS DISC SET STAMPED "6-K18A ACS" SET IN SIDEWALK AT THE INTERSECTION OF CENTRAL AVENUE AND JACKSON STREET.
ELEVATION = 5249.99 FEET (NAVD 1988)
- T.B.M. #1**
A CHISELED "X" AT THE SOUTHEAST QUADRANT OF SILVER AVENUE AND JACKSON AVENUE, AS SHOWN ON THIS SHEET.
ELEVATION = 5253.35 FEET (NAVD 1988)
- T.B.M. #2**
A CHISELED "+" ON THE HANDICAP RAMP AT THE SOUTHWEST QUADRANT OF SILVER AVENUE AND MONROE STREET, AS SHOWN ON THIS SHEET.
ELEVATION = 5246.58 FEET (NAVD 1988)
- T.B.M. #3**
A FLAGGED NAIL AT THE SOUTHWEST QUADRANT OF JEFFERSON STREET AND COAL AVENUE, AS SHOWN ON THIS SHEET.
ELEVATION = 5243.07 FEET (NAVD 1988)
- T.B.M. #4**
A #5 REBAR WITH CONTROL CAP STAMPED "NMP# 11184" ON ISLAND AT THE INTERSECTION OF ZUNI ROAD AND JEFFERSON STREET, AS SHOWN ON THIS SHEET.
ELEVATION = 5246.23 FEET (NAVD 1988)

RECORD DRAWING
FOR REVISED DESIGN AND AS-BUILT CONDITIONS, SEE SHEET 1

BOUNDARY TABLES

LINE	DIRECTION	DISTANCE
L1	N 31°01'03" W	13.80'
L2	N 54°55'46" W	22.78'
L3	S 89°40'48" E	104.42'
L4	S 89°47'16" E	200.13'
L5	N 89°44'35" W	199.90'
L6	S 89°44'21" E	125.00'
L7	N 89°44'35" W	125.00'

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C1	25.00'	39.27'	N 44°44'35" W	35.36'	90°00'00"
C2	30.00'	47.17'	N 45°18'15" E	42.46'	90°05'40"
C3	470.87'	481.84'	S 60°20'02" E	461.09'	58°37'52"
C4	459.26'	189.01'	N 42°48'26" W	187.67'	23°34'47"
C5	10.00'	25.47'	S 17°36'20" W	19.12'	145°56'45"
C6	25.00'	39.27'	S 45°15'36" W	35.35'	89°59'39"
C7	25.00'	39.29'	N 44°45'52" W	35.37'	90°02'48"
C8	25.00'	39.27'	N 45°15'29" E	35.35'	89°59'53"
C9	25.00'	39.26'	S 44°45'31" E	35.35'	89°58'08"
C10	25.00'	39.26'	S 45°13'09" W	35.35'	89°59'11"
C11	25.00'	39.27'	S 44°44'24" E	35.36'	90°00'21"
C12	25.00'	39.27'	S 45°15'43" W	35.35'	89°59'53"

EASEMENTS KEYED NOTES

- 20' PUBLIC WATERLINE EASEMENT GRANTED BY PLAT 90C-142
- PNM ELECTRIC EASEMENT GRANTED BY PLAT 90C-142
- FORMER RIGHT-OF-WAY OF JEFFERSON STREET S.E. VACATED BY COMMISSION ORDINANCE NO. 2481, ALL PUBLIC UTILITY EASEMENTS RETAINED
- 5' PNM AND MST&T EASEMENT EXECUTED 08-02-1965
- FORMER RIGHT-OF-WAY OF MADISON STREET S.E. VACATED BY V-81-10, ORDINANCE NO. 97-1973, ALL PUBLIC UTILITY EASEMENTS RETAINED
- 5' UTILITY EASEMENT GRANTED BY PLAT A8-102
- 5' PNM ELECTRIC AND GAS EASEMENT RESERVED BY WAIVER AND RELEASE OF EASEMENT DOCUMENT FILED 09-15-1999, BOOK 9912, PAGE 9274, DOCUMENT NO. 1999119646 (SEE GENERAL NOTE 9)
- 5' X 250' PNM AND MST&T EASEMENT GRANTED BY DOCUMENT FILED 04-27-1956, BOOK D349, PAGE 306
- 4' X 12' PNM AND MST&T EASEMENT GRANTED BY DOCUMENT FILED 04-27-1956, BOOK D349, PAGE 306

EASEMENT TABLE

LINE	DIRECTION	DISTANCE
E1	S 00°07'40" E	316.70'
E2	S 00°04'10" E	270.85'
E3	N 89°54'20" E	30.40'
E4	S 45°05'40" E	13.66'
E5	N 89°54'20" E	174.00'
E6	S 00°05'40" E	64.20'
E7	S 89°57'10" E	42.57'
E8	S 00°02'50" W	17.33'
E9	N 00°00'00" E	16.00'
E10	N 00°00'00" E	132.50'
E11	N 41°33'00" E	89.50'
E12	S 90°00'00" W	20.00'
E13	N 00°44'00" E	40.00'
T1	S 89°32'30" E	86.08'
T2	S 90°00'00" W	2.89'
T3	N 88°15'45" W	22.80'

SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY. THE SURVEY BY HIGH MESA CONSULTING GROUP, (NMP# 11184), DATED 03-24-2008. TOPOGRAPHIC SURVEY INFORMATION IS BASED UPON A TOPOGRAPHIC SURVEY BY HIGH MESA CONSULTING GROUP, (NMP# 1184), DATED 03-24-2008.

HIGH MESA Consulting Group

4010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com
2008.180.7

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **OVERALL PLAN
2008 WATER & SANITARY SEWER LINE EXTENSIONS
HIGHLAND HIGH SCHOOL**

Design Review Committee
APPROVE
NOV 25 2008
DESIGN REVIEW COMMITTEE

City Engineer
APPROVE
FEB 03 2009
CITY ENGINEER

City Project No. **394081** Zone Map No. **K-17** Sheet **3** Of **8**

CONTRACTOR: High Mesa Consulting Group		DATE: 2/10/09	
WORK SHOWN BY: HMC	DATE: 2/10/09	WORK SHOWN BY: HMC	DATE: 2/10/09
DESIGNED BY: K.E.	DATE: 2/10/09	DESIGNED BY: HMC	DATE: 2/10/09
CHECKED BY: HMC	DATE: 2/10/09	CHECKED BY: HMC	DATE: 2/10/09
RECORDED BY: HMC	DATE: 2/10/09	RECORDED BY: HMC	DATE: 2/10/09
PROJECT BENCHMARK: ACS 2" BRASS DISC SET STAMPED "6-K18A ACS" SET IN SIDEWALK AT THE INTERSECTION OF CENTRAL AVENUE AND JACKSON STREET.		ELEVATION = 5249.99 FEET (NAVD 1988)	
DATE: 3/24/08		BY: HMC	
NO. 2007.184.6		NO. 2007.184.6	
DATE: 04-09-2009		DATE: 04-09-2009	
BY: JGM		BY: JGM	
REMARKS: REVISIONS		REMARKS: REVISIONS	
DESIGN: DESIGN		DESIGN: DESIGN	
DATE: 10-2008		DATE: 10-2008	
DRAWN BY: JLP/CTA		DRAWN BY: JLP/CTA	
CHECKED BY: JGM		CHECKED BY: JGM	

RECORD DRAWING

FOR REVISED DESIGN AND AS-BUILT CONDITIONS, SEE SHEET 1

BOUNDARY TABLES

LINE	DIRECTION	DISTANCE
L1	N 31°01'03" W	13.80'
L2	N 54°55'46" W	22.78'
L3	S 89°40'48" E	104.42'
L4	S 89°47'16" E	200.13'
L5	N 89°44'35" W	199.90'
L6	S 89°44'21" E	125.00'
L7	N 89°44'35" W	125.00'

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C1	25.00'	39.27'	N 44°44'35" W	35.36'	90°00'00"
C2	30.00'	47.17'	N 45°18'15" E	42.48'	90°05'40"
C3	470.87'	481.84'	S 60°20'02" E	461.09'	58°37'52"
C4	459.26'	189.01'	N 42°48'26" W	187.67'	23°34'47"
C5	10.00'	25.47'	S 17°36'20" W	19.12'	145°56'45"
C6	25.00'	39.27'	S 45°15'36" W	35.35'	89°59'39"
C7	25.00'	39.29'	N 44°45'52" E	35.37'	90°02'48"
C8	25.00'	39.27'	N 45°15'29" E	35.35'	89°59'53"
C9	25.00'	39.26'	S 44°45'31" E	35.35'	89°58'08"
C10	25.00'	39.26'	S 45°13'09" W	35.35'	89°59'11"
C11	25.00'	39.27'	S 44°44'24" E	35.36'	90°00'21"
C12	25.00'	39.27'	S 45°15'43" W	35.35'	89°59'53"

EASEMENT KEYED NOTES

- 20' PUBLIC WATERLINE EASEMENT GRANTED BY PLAT 90C-142
- PNM ELECTRIC EASEMENT GRANTED BY PLAT 90C-142
- FORMER RIGHT-OF-WAY OF JEFFERSON STREET S.E. VACATED BY COMMISSION ORDINANCE NO. 2481, ALL PUBLIC UTILITY EASEMENTS RETAINED
- 5' PNM AND MST&T EASEMENT EXECUTED 08-02-1965
- FORMER RIGHT-OF-WAY OF MADISON STREET S.E. VACATED BY V-81-10, ORDINANCE NO. 97-1973, ALL PUBLIC UTILITY EASEMENTS RETAINED
- 5' UTILITY EASEMENT GRANTED BY PLAT A8-102
- 5' PNM ELECTRIC AND GAS EASEMENT RESERVED BY WAIVER AND RELEASE OF EASEMENT DOCUMENT FILED 09-15-1999, BOOK 9912, PAGE 9274, DOCUMENT NO. 1999119646 (SEE GENERAL NOTE 9)
- 5' X 250' PNM AND MST&T EASEMENT GRANTED BY DOCUMENT FILED 04-27-1956, BOOK D349, PAGE 306
- 4' X 12' PNM AND MST&T EASEMENT GRANTED BY DOCUMENT FILED 04-27-1956, BOOK D349, PAGE 306

EASEMENT TABLE

LINE	DIRECTION	DISTANCE
E1	S 00°07'40" E	316.70'
E2	S 00°04'10" E	270.85'
E3	N 89°54'20" E	30.40'
E4	S 45°05'40" E	13.66'
E5	N 89°54'20" E	174.00'
E6	S 00°05'40" E	64.20'
E7	S 89°57'10" E	42.57'
E8	S 00°02'50" W	17.33'
E9	N 00°00'00" E	16.00'
E10	N 00°00'00" E	132.50'
E11	N 41°33'00" E	89.50'
E12	S 90°00'00" W	20.00'
E13	N 00°44'00" E	40.00'
T1	S 89°32'30" E	86.08'
T2	S 90°00'00" W	2.89'
T3	N 88°15'45" W	22.80'

SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE BOUNDARY SURVEY BY HIGH MESA CONSULTING GROUP, (NMPS NO. 11184), DATED 03-24-2008. TOPOGRAPHIC SURVEY INFORMATION IS BASED UPON A TOPOGRAPHIC SURVEY BY HIGH MESA CONSULTING GROUP, (NMPS 1184), DATED 03-24-2008.

HIGH MESA Consulting Group

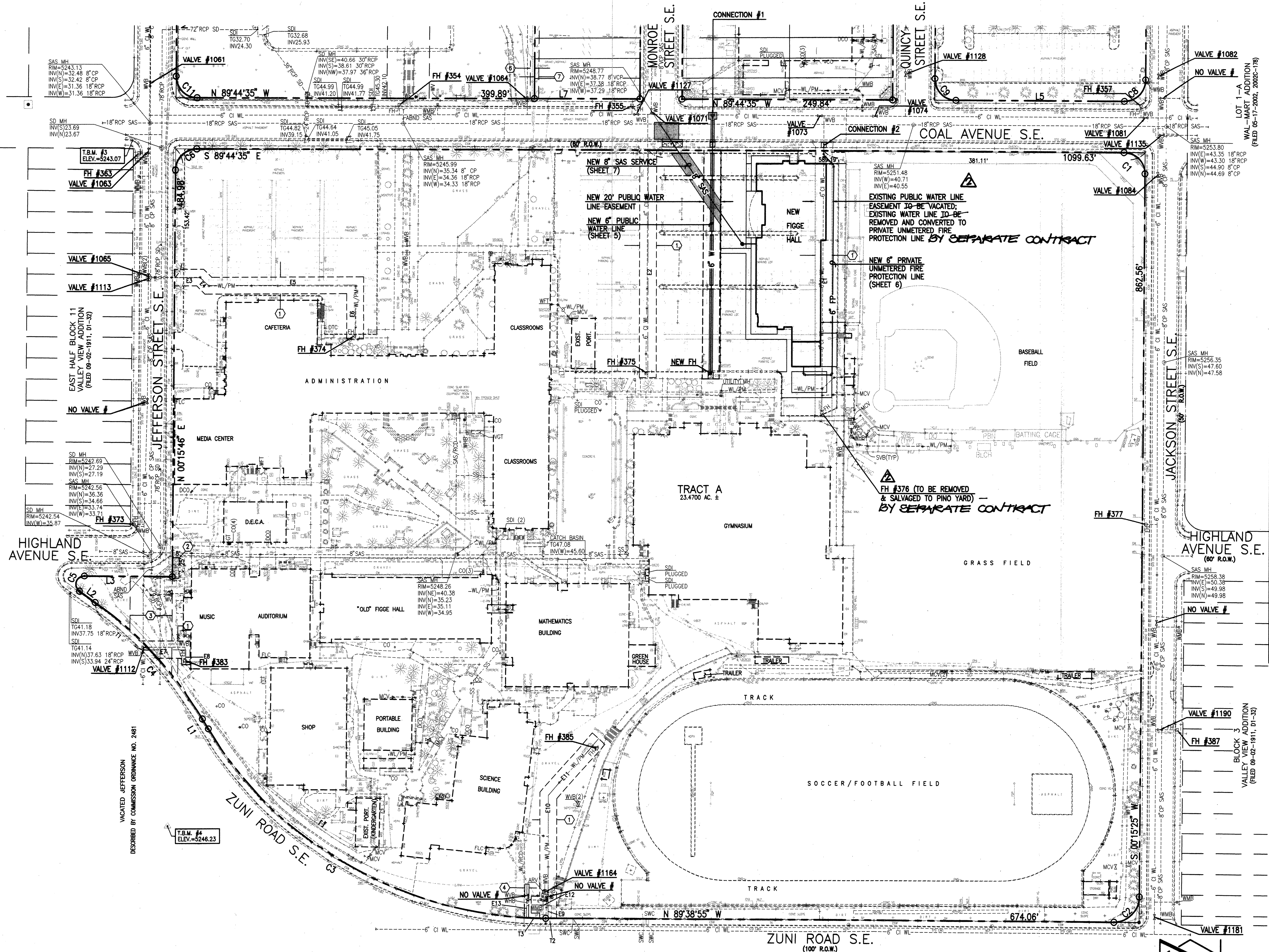
4010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com
2008.180.7

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **2008 WATER & SANITARY SEWER LINE EXTENSIONS
HIGHLAND HIGH SCHOOL**

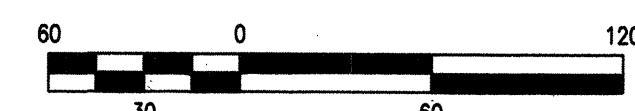
Design Review Committee APPROVED NOV 25 2008 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED FEB 03 2009 CITY ENGINEER
--	---

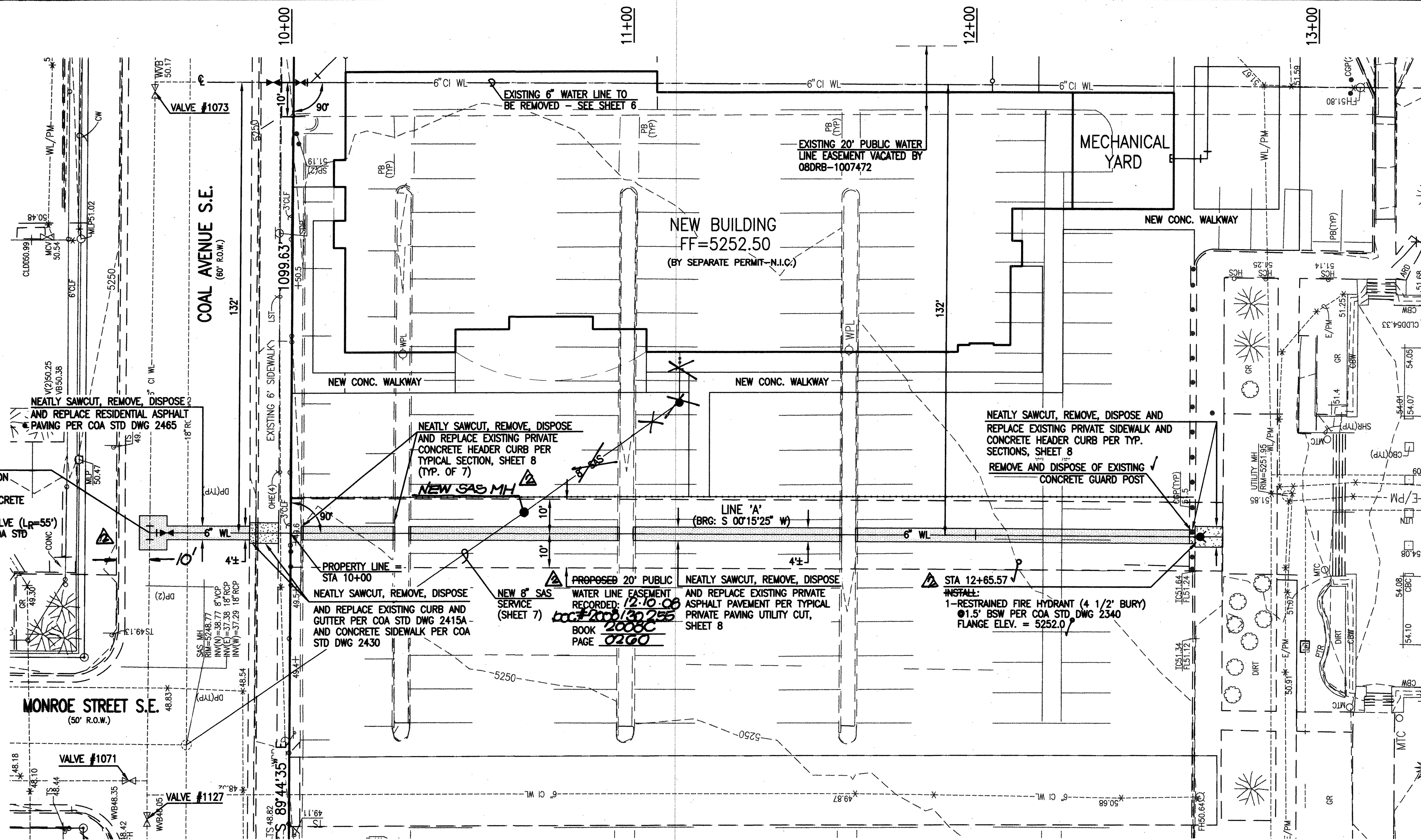
City Project No. **394081** Zone Map No. **K-17** Sheet **4** Of **8**



A1 MAIN CAMPUS SITE PLAN

SCALE: 1" = 60'





WATER LINE CONSTRUCTION NOTES

- ALL STATIONING IS BASED ON NEW EASEMENT CENTERLINE UNLESS INDICATED OTHERWISE.
- FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 DR18 PIPE OR AS APPROVED BY WATER AUTHORITY. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
- FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR PVC C-900 OR AS APPROVED BY WATER AUTHORITY. CONCRETE CULVERT IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
- WATER LINE SHALL HAVE A MINIMUM COVER OF 3'-0" (FINISHED GRADE TO TOP OF PIPE) FOR ALL LINES 12" OR SMALLER; 4'-0" MINIMUM COVER FOR LINES 14" OR LARGER. EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- ELECTRONIC MARKER SPHERES (EMS) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION, SECTION 170.
- IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
- VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
- JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATER LINE CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
- JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
- FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED. JOINT RESTRAINT LENGTHS SPECIFIED HEREON ARE THE LENGTHS TO BE RESTRAINED EACH SIDE OF THE FITTING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- WHERE WATER AND SANITARY SEWER LINES CROSS, THE SANITARY SEWER LINE SHALL BE INSTALLED AS PRESSURE PIPE BETWEEN MANHOLES IF 18 INCHES OF VERTICAL SEPARATION DOES NOT EXIST.
- ALL FIRE HYDRANTS SHALL BE SECURELY WRAPPED IN BLACK PLASTIC UNTIL SUCH TIME AS THE NEW WATER LINE IS PUT INTO SERVICE BY WATER AUTHORITY PERSONNEL.

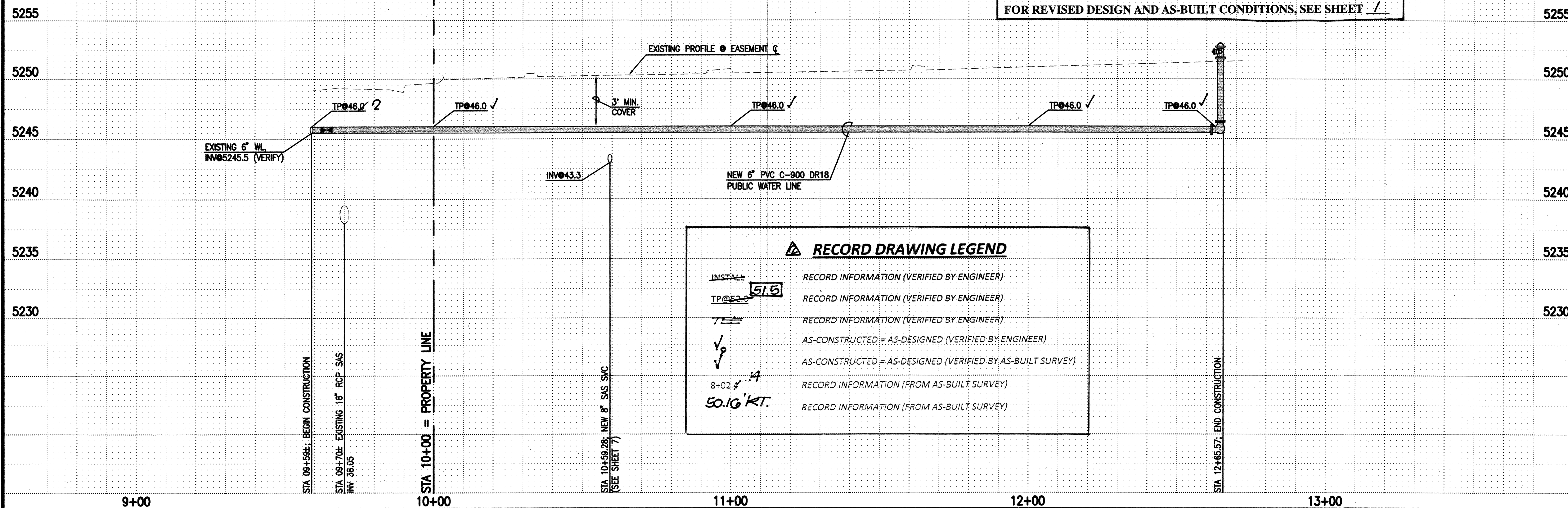
SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE BOUNDARY SURVEY BY HIGH MESA CONSULTING GROUP, (NMPS NO. 11184), DATED 03-24-2008. TOPOGRAPHIC SURVEY IS BASED UPON A TOPOGRAPHIC SURVEY BY HIGH MESA CONSULTING GROUP, (NMPS 1184), DATED 03-24-2008.

SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

RECORD DRAWING

FOR REVISED DESIGN AND AS-BUILT CONDITIONS, SEE SHEET 1



RECORD DRAWING LEGEND

- INSTALL: RECORD INFORMATION (VERIFIED BY ENGINEER)
- TP@46.0: RECORD INFORMATION (VERIFIED BY ENGINEER)
- 7: RECORD INFORMATION (VERIFIED BY ENGINEER)
- AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
- AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
- 8+02.14: RECORD INFORMATION (FROM AS-BUILT SURVEY)
- 50.10' KT.: RECORD INFORMATION (FROM AS-BUILT SURVEY)

HIGH MESA Consulting Group

6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com

2008.180.7

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LINE 'A' RELOCATION PLAN & PROFILE
2008 WATER & SANITARY SEWER LINE EXTENSIONS
HIGHLAND HIGH SCHOOL

DESIGN REVIEW COMMITTEE
APPROVE
NOV 25 2008
DESIGN REVIEW COMMITTEE

CITY ENGINEER
APPROVE
FEB 03 2009
CITY ENGINEER

City Project No.

394081

Zone Map No.

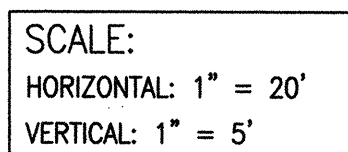
K-17

Sheet

5

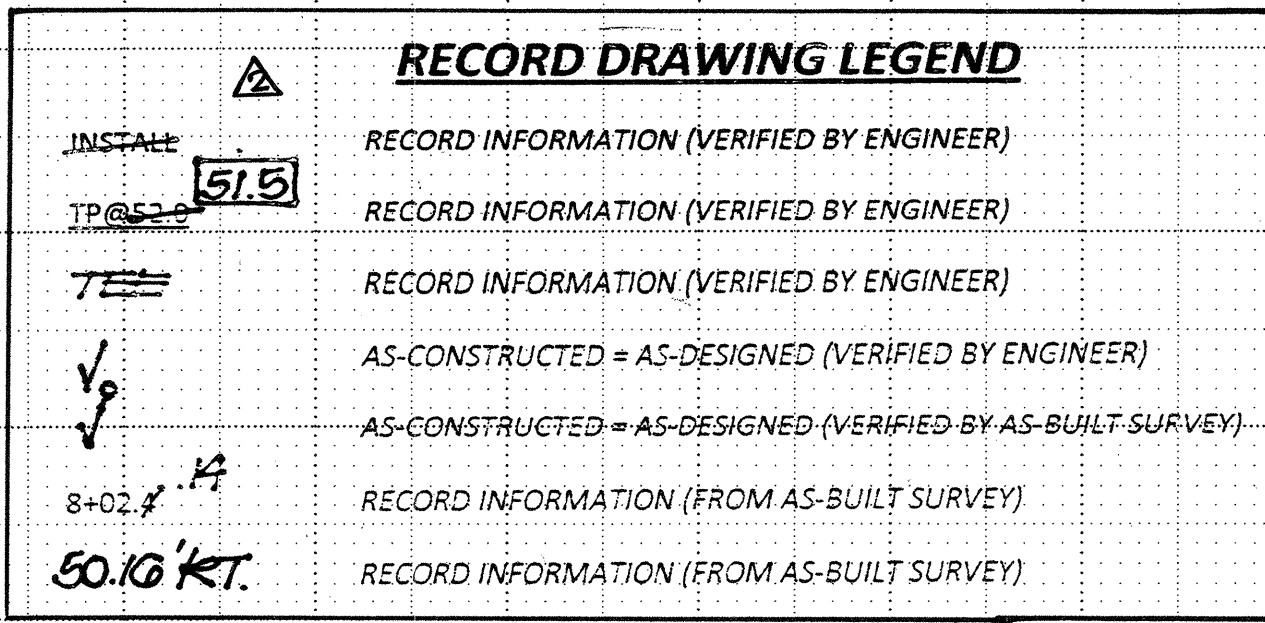
Of

8



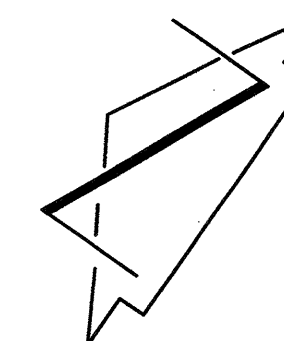
RECORD DRAWING

FOR REVISED DESIGN AND AS-BUILT CONDITIONS, SEE SHEET /



394081	K-17
--------	------

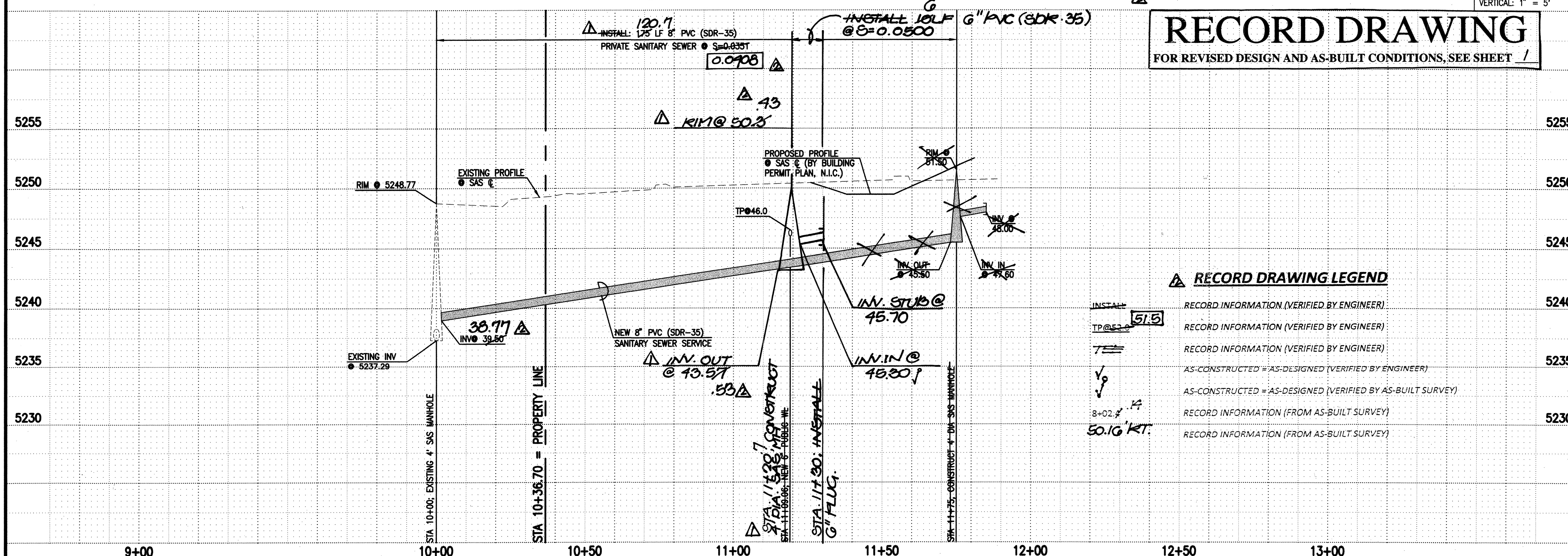
ENGINEER'S SEAL		FIELD NOTES		BENCH MARKS		AS BUILT INFORMATION	
		NO.		PROJECT BENCHMARK		CONTRACTOR	
		BY		DATE		STANDARD	
		2007.184.6		3/24/08		HMOG	
						HMOG	
REMARKS		HMOG		IN SIDEWALK AT THE INTERSECTION OF CENTRAL AVENUE AND JACKSON STREET.		INSPECTOR'S ACCEPTANCE BY	
NO. DATE		HMOG		ELEVATION = 5249.99 FEET (NAVD 1988)		DRAWINGS CORRECTED BY	
DESIGN		HMOG		DATE 4.09		MICRO-FILM INFORMATION	
Designed By		J.B.S.		RECORDED BY		DATE	
Drawn By		CFA/BLE/JLP		NO.			
Checked By		J.G.M.					
Date 10-08		Date 10-08					
Date 11-08		Date 11-08					



SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

RECORD DRAWING

FOR REVISED DESIGN AND AS-BUILT CONDITIONS, SEE SHEET



ELEVATIONS ARE IN NAVD 1988

① 20' PUBLIC WATERLINE EASEMENT GRANTED BY PLAT 90C-142

ENGINEER'S SEAL

04-09-2009

NEW YORK STATE
REGISTERED PROFESSIONAL ENGINEER
MECHANICAL
8547

3	6				
NO.	DATE	4 08	RECORD BLDG. : DEPT.	K/M	
		2 00	REVISE GAS FOR GC	K/M	
			REMARKS	BY	
			Revisions		
			DESIGN		
Designed By	J.D.S.	Date	10-80		
Drawn By	CFA/BLE/JLP	Date	10-88		

6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 8710
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com

2008.180.7

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

**TITLE: SANITARY SEWER SERVICE PLAN AND PROFILE
 2008 WATER & SANITARY SEWER LINE EXTENSIONS
 HIGHLAND HIGH SCHOOL**

City Engineer Approval
FEB 03 2009
CITY ENGINEER

City Project No	
-----------------	--

394081

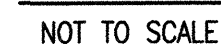
Zone Map No.
K-17

2.

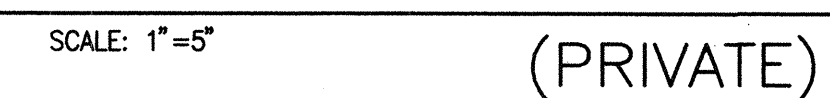
Sheet

et

Of



SCALE: 1" = 300'



SCALE: 1"=5'

1. AT A MINIMUM, THE FOLLOWING VALVES SHALL BE CLOSED TO FACILITATE THE PROPOSED NON-PRESSURE CONNECTIONS:
 - CONNECTION #1; VALVES #1071, 1073, 1127
 - CONNECTION #2; VALVES #1073, 1074
2. WATER AUTHORITY PERSONNEL SHALL PERFORM ALL SHUTOFFS. THE CONTRACTOR SHALL NOT OPERATE ANY VALVES THAT MAY AFFECT SYSTEM OPERATIONS.
3. THE CONTRACTOR SHALL REQUEST A WATER SHUTOFF IN WRITING, A MINIMUM OF SEVEN (7) DAYS IN ADVANCE PER WATER AUTHORITY PROCEDURES.
4. WITHIN FIVE (5) DAYS AFTER RECEIPT OF CONTRACTOR'S SHUTOFF REQUEST, TRIAL SHUTOFFS WILL BE CONDUCTED. WATER AUTHORITY TO FURNISH LABOR AND APPURTENANCES NECESSARY TO VERIFY COMPLETENESS OF SHUTOFFS.
5. THE CONTRACTOR SHALL HAVE ALL FITTINGS, MATERIALS AND EQUIPMENT ON SITE PRIOR TO VALVE SHUTOFF. ALL EXCAVATION SHALL BE COMPLETE EXCEPT AS NECESSARY TO MAINTAIN SAFE SYSTEM OPERATION WHILE UNDER PRESSURE.
6. THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT ALL NECESSARY SHUTOFFS AND CONNECTIONS.
7. EXISTING WATER VALVE AND WATER LINE INFORMATION OBTAINED FROM WATER AUTHORITY AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAPS, MAP GRID K-17.
8. AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT WATER AUTHORITY NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE OF THE RESPECTIVE SHUTOFFS.
9. ALL VALVES REFERENCED ABOVE, ALSO SHOWN ON SHEET 4 AT A LARGER SCALE FOR CLARITY.

BENCH MARKS	AS BUILT INFORMATION
	CONTRACTOR <i>Bun Gate</i>
	DRAWN BY <i>HMCQ</i>
	DATE <i>2.10.88</i>
	INSPECTED BY <i>K.J.E.</i>
	DATE
	APPROVED BY <i>HMCQ</i>
	DATE <i>3.2.89</i>
	FIELD CORRECTION BY <i>HMCQ</i>
	DATE <i>4.02</i>
	REVISIONS CORRECTED BY <i>HMCQ</i>
	DATE
	RECORDED BY
	DATE
	NO.
	MICRO-FILM INFORMATION

[illegible]

ENGINEER'S SEAL

04-09-2009

PROFESSIONAL ENGINEER
JEREMY & MORRISON
8547
CIVIL ENGINEER

BY _____
DATE _____

A 4-00 RECORDS DRAWING.

REVISIONS
DESIGN

No.	Date	Description
	J.D.S.	Date 10-08
	D.M.H./C.F.A./J.L.P./B.E.	Date 10-08

6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com
2008.180.7

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SECTIONS, DETAILS, AND WATER SHUTOFF PLAN
2008 WATER & SANITARY SEWER LINE EXTENSIONS
HIGHLAND HIGH SCHOOL

Design Review Committee
APPROVED
NOV 25 2008
DESIGN
REVIEW COMMITTEE

CITY ENGINEER APPROVAL

FEB 03 2009

CITY ENGINEER

Fast Design Update

City Project No.

394081

Zone Map No.
K-17

7	Sheet	8	Of	8
---	-------	---	----	---