

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

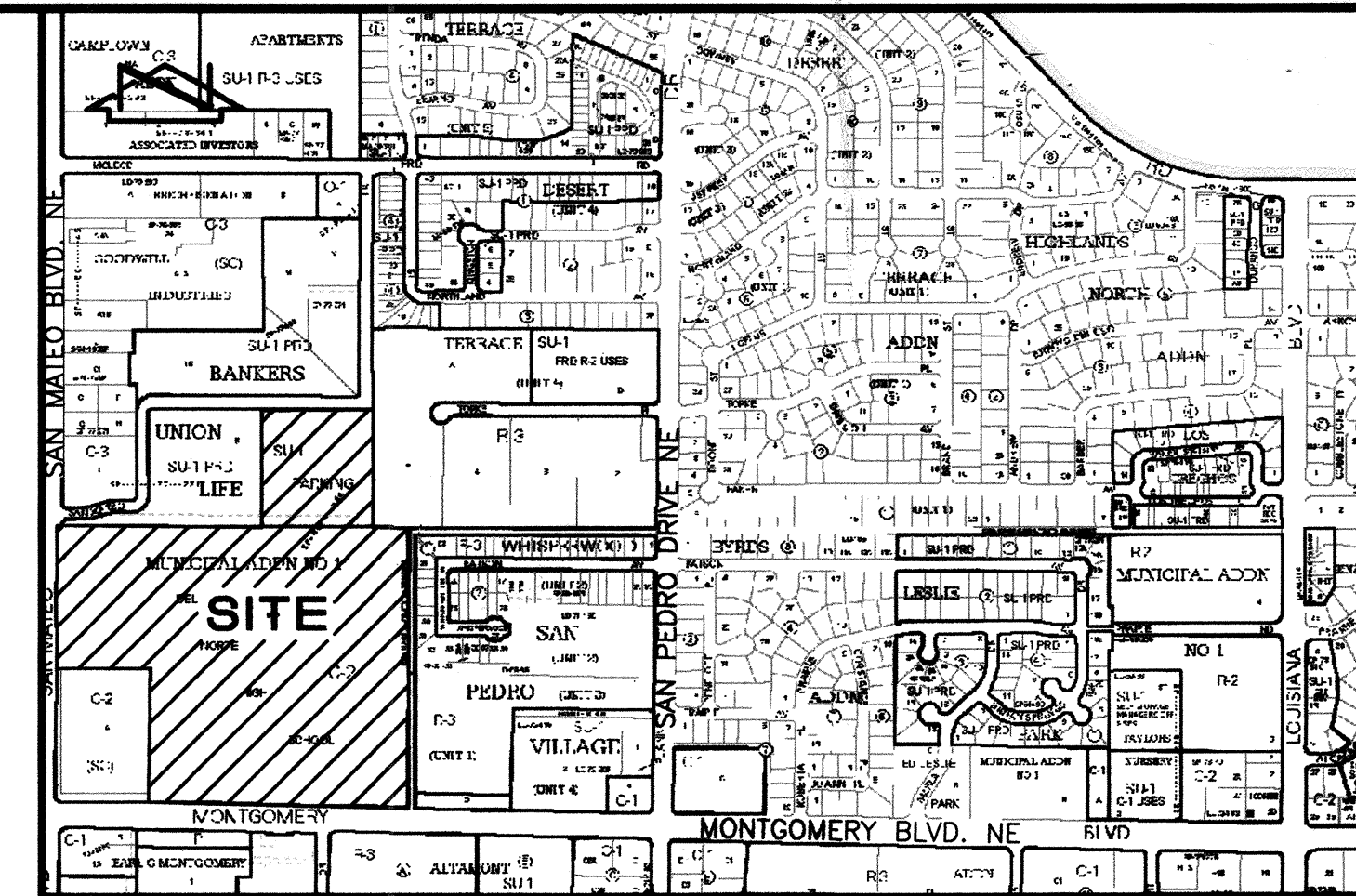
SCANNED BY
PLANNING

CONSTRUCTION PLANS

for

DEL NORTE HIGH SCHOOL PUBLIC WATER LINE EXTENSION - PHASES 1 & 2

ALBUQUERQUE, NEW MEXICO
AUGUST, 2009



VICINITY MAP
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 CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS-PUBLIC WORKS CONSTRUCTION-1986-UPDATE NO. 7, INCLUDING AMENDMENT #1.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 280-1990, (ALBUQUERQUE AREA) 1-800-321-ALERT (2637) (STATEWIDE) FOR LOCATION OF EXISTING PUBLIC UTILITIES AND ABASTO UTILITY LOCATING COMPANY (889-3341) FOR THE LOCATION OF EXISTING PRIVATE UTILITIES ON APS 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 BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADING 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.

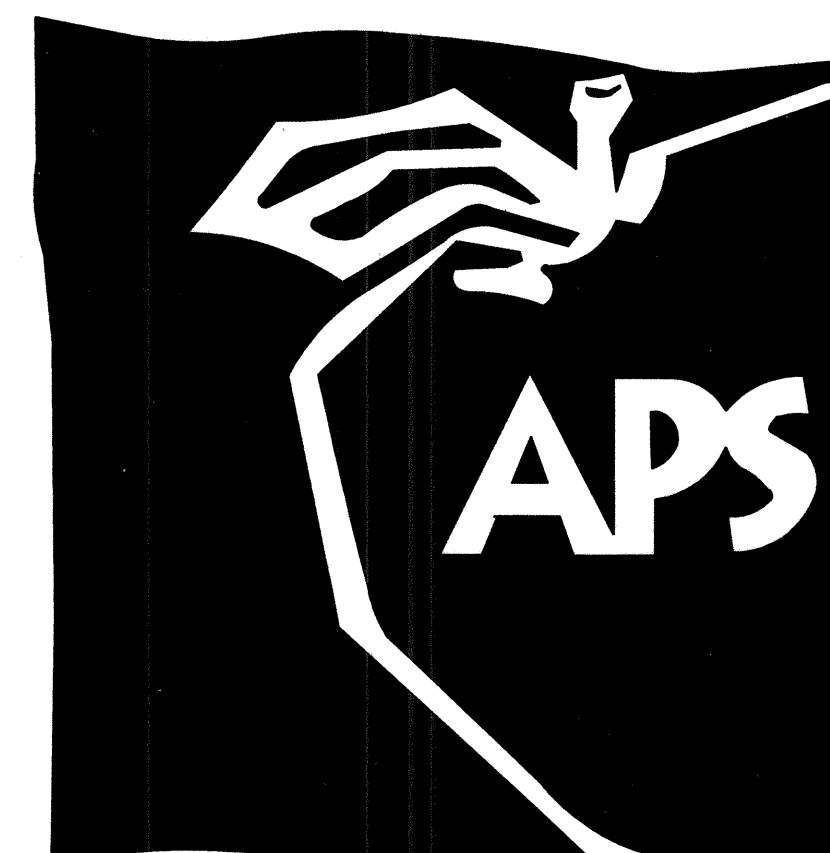
CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, J. GRAEME MEANS, NMPE 13676, OF THE FIRM HIGH MESA CONSULTING GROUP, HEREBY CERTIFY THAT THE PUBLIC 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.

THE RECORD SURVEY INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT WAS OBTAINED SEPTEMBER 12, 2010 (PHASE 1) AND JANUARY 25, 2011 (PHASE 2) UNDER THE DIRECT SUPERVISION OF JOSEPH M. SOLOMON, JR., NMPS 15075, ALSO OF HIGH MESA CONSULTING GROUP.

I CERTIFY THAT THIS INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THESE RECORD DRAWINGS ARE NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THE 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 AND THE ABCWUA.

J. GRAEME MEANS, NMPE 13676
DATE 03/02/2011



RECORD DRAWING

INDEX OF DRAWINGS

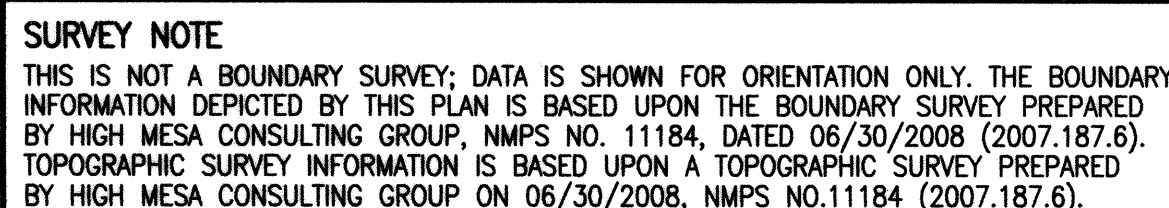
SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	OVERALL PUBLIC WATER LINE PLAN - ULTIMATE CONDITIONS
3	OVERALL PUBLIC WATER LINE PLAN - PHASE 1, WATER VALVE SHUTOFF PLAN
4	PUBLIC WATER LINE PLAN AND PROFILE LINE A
5	PUBLIC WATER LINE PLAN AND PROFILE LINES B & C
6	WATER AND SANITARY SEWER SECTIONS AND DETAILS
7	PUBLIC WATER LINE PLAN AND PROFILE LINE D
8	PUBLIC WATER LINE PLAN AND PROFILE LINE E

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE 03/14/11

2008.201.4 2008.189.9 / 2008.189.1		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							
1, 7, 8	REC. DWG. & CERT	7-28-10	7-2-10						
1-8	REC. DWG. & CERT	02-2011							
REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE		APPROVED FOR CONSTRUCTION	
DRC Chairman		J. Woodall		8-25-09					
Transportation		J. King		8-25-09					
Water/Wastewater		J. King		8-25-09					
Hydrology		J. King		8-25-09					
C.I.P.									
Const. Mngmt.									
Const. Coord.									
City Project No. 731462				SHEET 1 OF 8					



SCALE: 1" = 100'



LEGAL DESCRIPTION

A CERTAIN PARCEL OF LAND LOCATED WITHIN THE CORPORATE LIMITS OF THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, COMPRISING TRACT B-1A, MUNICIPAL ADDITION NO. 1.

BENCHMARKS

PROJECT BENCHMARK

ACS 3 1/4" ALUMINUM CAP STAMPED "9-F18 1986", SET FLUSH IN THE TOP OF CURB, IN THE
SOUTHEAST QUADRANT OF THE INTERSECTION OF SAN MATEO BOULEVARD AND SAN MATEO
LANE N.E., AS SHOWN ON THIS SHEET.
ELEVATION = 5212.228 FEET (NAVD 1988)

T.B.M. #1

ACS 1 3/4" ALUMINUM CAP STAMPED "ACS BM, 11-F18", EPOXIED TO TOP OF CONCRETE BASE
OF LIGHT STANCHION, ENE QUADRANT OF MONTGOMERY BOULEVARD AND MADEIRA DRIVE
(EXTENDED) N.E., AS SHOWN ON THIS SHEET.
ELEVATION = 5229.041 FEET (NAVD 1988)

T.B.M. #2

A BRIDGE SPIKE WITH JMA CONTROL CAP LOCATED APPROXIMATELY 36' SOUTH OF THE PEDESTRIAN BRIDGE TO THE STUDENT PARKING AND 14' WEST OF THE CONCRETE WALKWAY, AS SHOWN ON THIS SHEET.
ELEVATION = 5230.31 FEET (NAVD 1988)

T.B.M. #3

ACS 1 3/4" ALUMINUM CAP STAMPED "ACS BM, 10-F18", EPOXIED TO TOP OF CONCRETE DROP
INLET, ENE QUADRANT OF MONTGOMERY BOULEVARD AND SAN MATEO BOULEVARD N.E.,
AS SHOWN ON THIS SHEET.
ELEVATION = 5204.752 FEET (NAVD 1988)

EASEMENT KEYED NOTES

EASEMENTS (EXISTING)

- ① 36' DRAINAGE EASEMENT GRANTED BY PLAT C12-118
- ② 5' UTILITY EASEMENT GRANTED BY PLAT C12-118
- ③ 50' DRAINAGE EASEMENT GRANTED BY PLAT C12-118
- ④ 20' P.N.M. EASEMENT GRANTED BY DOCUMENT FILED 01-15-1959, BOOK D459, PAGE 335
- ⑤ PEDESTRIAN CROSSWALK EASEMENT GRANTED BY DOCUMENT EXECUTED 03-13-1980
- ⑥ 8' P.N.M. AND M.S.T.&T. EASEMENT GRANTED BY DOCUMENT EXECUTED 11-15-1963
- ⑦ CITY OF ALBUQUERQUE DRAINAGE EASEMENT GRANTED BY DOCUMENT EXECUTED 09-02-1970
- ⑧ P.N.M. EASEMENT GRANTED BY DOCUMENT EXECUTED 04-07-1969
- ⑨ 10' CITY OF ALBUQUERQUE WATERLINE EASEMENT REFERENCED BY AGREEMENT FILED 04-05-1963, BOOK D688, PAGE 107 BETWEEN C.O.A. AND P.N.M.

EASEMENTS - OFFSITE

- ⑩ 30' UTILITY AND DRAINAGE EASEMENT GRANTED BY PLAT D3-83
- ⑪ 44' UTILITY AND DRAINAGE EASEMENT GRANTED BY PLAT D3-83
- ⑫ 10' SEWER MAIN EASEMENT GRANTED BY PLAT D3-83
- ⑬ 10' UTILITY EASEMENT GRANTED BY PLAT D3-83
- ⑭ 20' UTILITY EASEMENT GRANTED BY PLAT D4-11
- ⑮ 30' DRAINAGE EASEMENT GRANTED BY PLAT D7-177
- ⑯ 20' PUBLIC THOROUGHFARE DEDICATED BY PLAT D3-59
- ⑰ 30' UTILITY AND DRAINAGE EASEMENT GRANTED BY PLAT D3-59

BOUNDARY TABLE

LINE	DIRECTION	DISTANCE
L1	S 89°52'51" E	157.91'
L2	N 00°14'04" E	39.96'
L3	N 89°52'42" W	17.98'
L4	N 00°13'38" E	175.04'
L5	N 89°51'22" W	4.91'

RECORD DRAWING

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

2 ~~2008.189.9~~ 2008.201.6

CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN & DEVELOPMENT DIVISION

TITLE: OVERALL PUBLIC WATER LINE PLAN - ULTIMATE CONDITIONS
PUBLIC WATER LINE EXTENSION-PHASE 1
DEL NORTE HIGH SCHOOL

Design Review Committee

APPROVED

AUG 25 2009

DESIGN REVIEW COMMITTEE

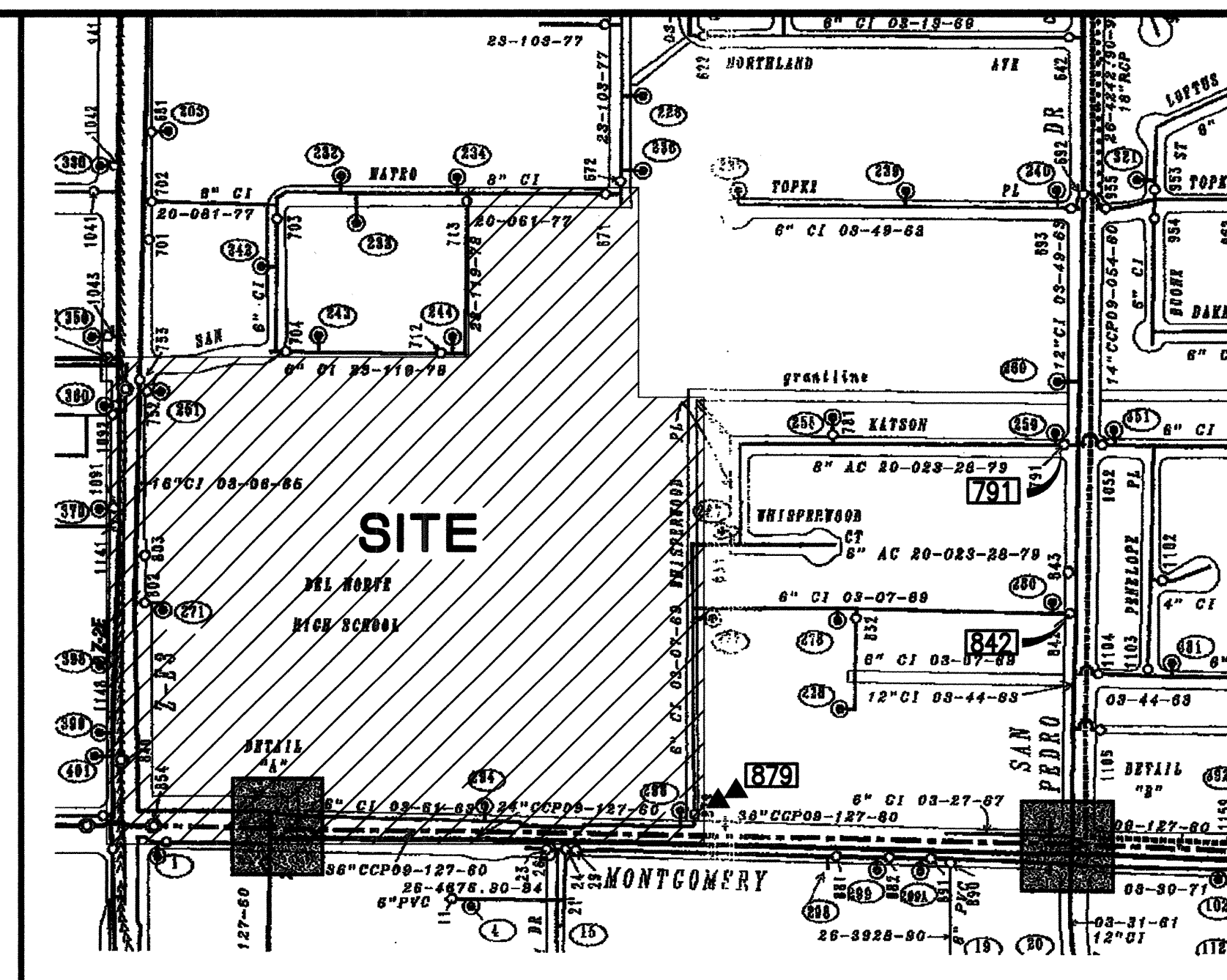
City Engineer Approval

APPROVED

SEP 15 2009

CITY ENGINEER

City Project No.	731462	Zone Map No.	F-18	Sheet	2	Of	86
------------------	--------	--------------	------	-------	---	----	----



SCALE: 1" = 400'±

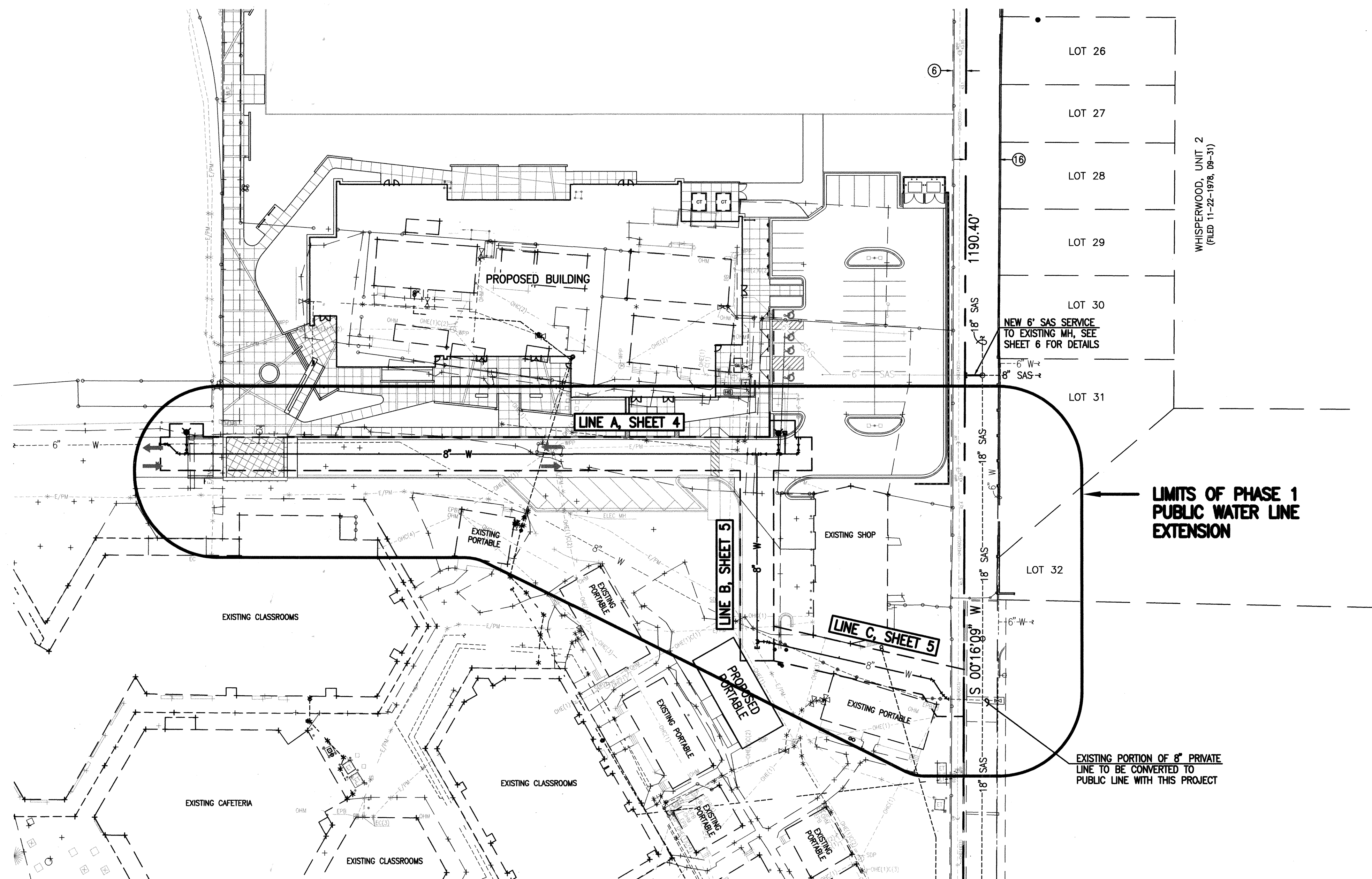
F-18

- ## WATER VALVE SHUTOFF PLAN NOTES:
1. THE FOLLOWING VALVES CAN BE CLOSED TO ISOLATE THE PROPOSED NON-PRESSURE CONNECTION:
 - VALVES # 879, 842 & 791
 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, AND BY TELEPHONE AT 857-8200. A MINIMUM OF SEVEN (7) DAYS IN ADVANCE PER STANDARD WATER AUTHORITY PROCEDURES.
 4. WITHIN FIVE (5) DAYS AFTER RECEIPT OF CONTRACTOR'S SHUTOFF REQUEST, TRIAL SHUTOFFS WILL BE CONDUCTED. THE 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 CITY OF ALBUQUERQUE AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAPS, MAP GRID F-18, 03/22/2002.
 8. AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT THE 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 SITE PLAN AT LEFT AT A LARGER SCALE FOR CLARITY.

EASEMENT KEYED NOTES

EASEMENT (EXISTING)

- ⑥ 8' P.N.M. AND M.S.T.&T. EASEMENT GRANTED BY DOCUMENT EXECUTED 11-15-1963
EASEMENT - OFFSITE
-
- ⑩ 20' PUBLIC THOROUGHFARE DEDICATED BY PLAT D3-59



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 PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, DATED 06/30/2008 (2007.187.6). TOPOGRAPHIC SURVEY INFORMATION IS BASED UPON A TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP ON 06/30/2008, NMPS NO.11184 (2007.187.6).

RECORD DRAWING

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
2008.189.9

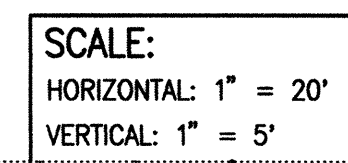
<p style="text-align: center;">CITY OF ALBUQUERQUE PARKS AND GENERAL SERVICES DESIGN & DEVELOPMENT DIVISION</p>	
<p>OVERALL TITLE:</p>	<p>PUBLIC WATER LINE PLAN-PHASE 1, WATER VALVE SHUTOFF PLAN PUBLIC WATER LINE EXTENSION-PHASE 1 DEL NORTE HIGH SCHOOL</p>

Design Review Committee		City Engineer Approval		Mo./Year/Tr.		Mo./Year/Tr.	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> APPROVE AUG 25 2009 DESIGN REVIEW COMMITTEE </div>		<div style="border: 1px solid black; padding: 5px; text-align: center;"> APPROVE SEP 15 2009 CITY ENGINEER </div>					

City Project No.	731462	Zone Map No.	F-18	Sheet	3	Of	8
------------------	--------	--------------	------	-------	---	----	---

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES		PROJECT BENCHMARK	CONTRACTOR	SUN STATE MECHANICAL	
	BY	DATE			ISSUED BY	DATE
187.6	HMC	06/2008	ACS 3 1/4" ALUMINUM CAP STAMPED "9-F18 1988", SET FLUSH IN THE TOP OF CURB, IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF SAN MATEO BOULEVARD AND SAN MATEO LANE N.E. ELEVATION = 521.228 FEET (NAVD 1988)	WORKED BY HMC (DATES VARY)	WJSS JMC672	DATE 02-2011
				APPROVED BY HMC		DATE 04-2009
				FIELD CORRECTED BY HMC	DRUMMOND	DATE 01-2011
					CORRECTED BY HMC	DATE 02-2011
				MICRO-FILM INFORMATION		
				RECORDED BY		DATE
				NO.		

[illegible]



ELEVATIONS ARE IN NAVD 88



1. ALL STATIONING IS BASED ON EASEMENT CENTERLINE UNLESS INDICATED OTHERWISE.
2. WATER MAIN SHALL BE PVC C-900 DR18 PIPE OR AS APPROVED BY THE WATER AUTHORITY. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
3. 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.
4. ELECTRONIC MARKER SPHERES (EMS) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION, SECTION 170.
5. 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.
6. 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.
7. JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
8. 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.
9. 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.
10. 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.
11. 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.
12. ALL FIRE HYDRANTS SHALL BE SECURELY WRAPPED IN BLACK PLASTIC UNTIL SUCH TIME AS THE NEW WATER LINE IS PUT INTO SERVICE BY THE WATER AUTHORITY PERSONNEL.

HIGH MESA Consulting Group
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesa.com

TITLE: PUBLIC WATER LINE PLAN AND PROFILE LINE A
PUBLIC WATER LINE EXTENSION - PHASE 1
DEL NORTE HIGH SCHOOL

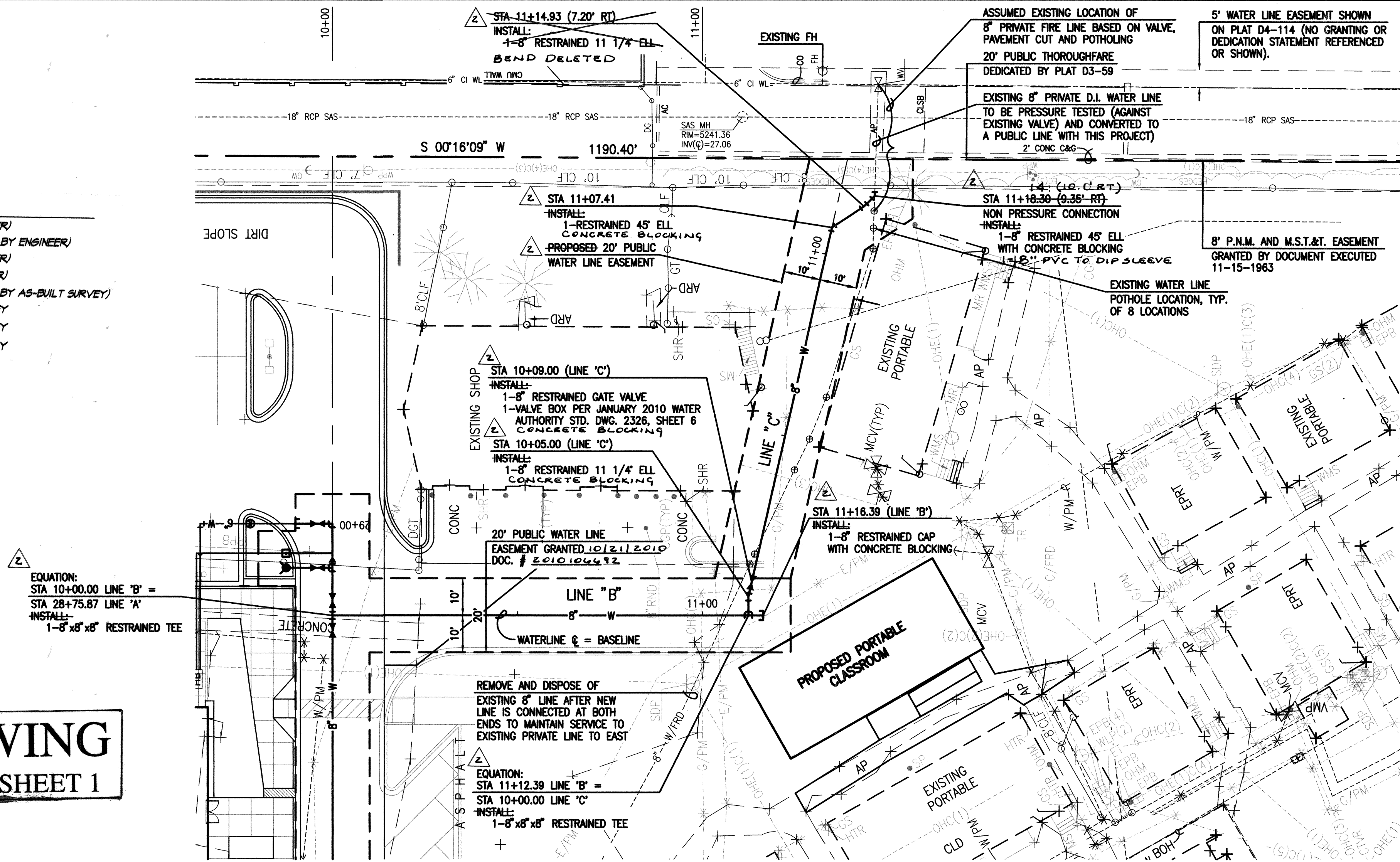
City Engineer Approval
APPROVED
SEP 15 2009
CITY ENGINEER

<u>Mn./Dm./Yr.</u>	<u>Mn./Dm./Yr.</u>

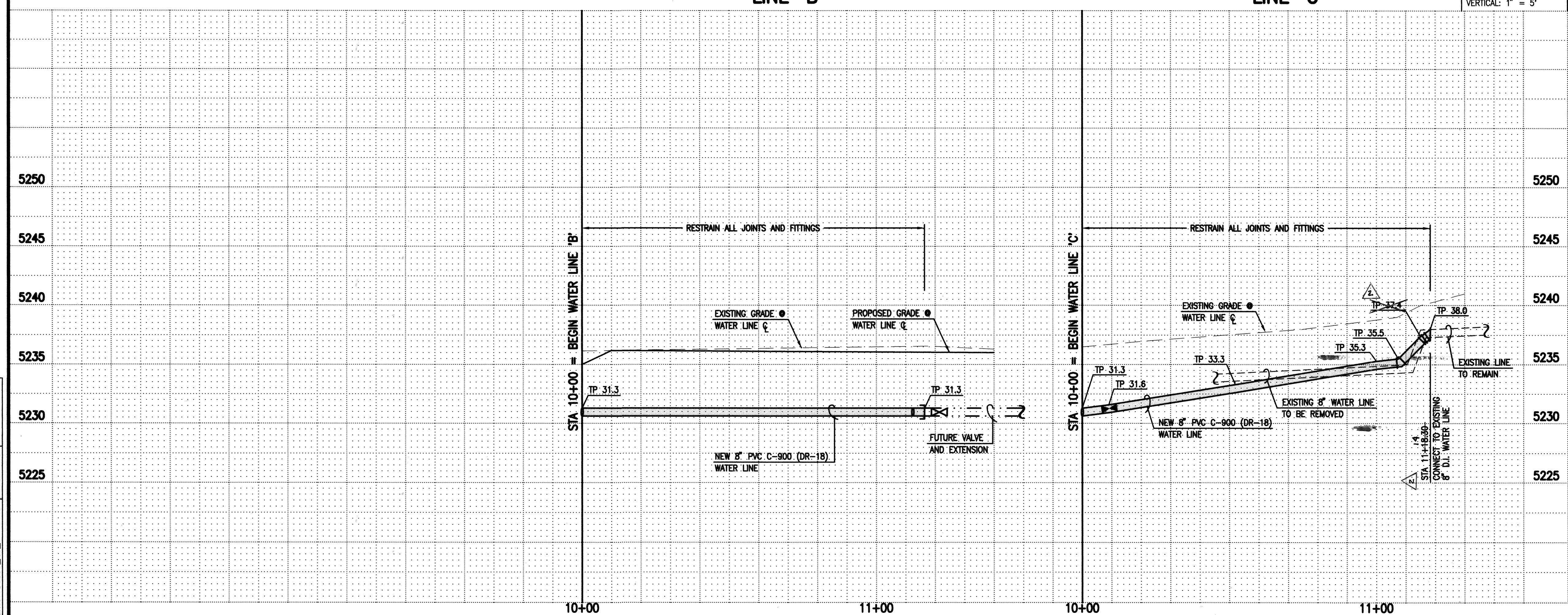
Sheet Of  

RECORD DRAWING

FOR CERTIFICATION, SEE SHEET 1



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



ELEVATIONS ARE IN NAVD 88

- ### WATER LINE CONSTRUCTION NOTES:
1. ALL STATIONING IS BASED ON EASEMENT CENTERLINE UNLESS INDICATED OTHERWISE.
 2. WATER MAIN SHALL BE PVC C-900 DR18 PIPE OR AS APPROVED BY THE WATER AUTHORITY. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
 3. 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.
 4. ELECTRONIC MARKER SPHERES (EMS) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION, SECTION 170.
 5. 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.
 6. 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.
 7. JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
 8. 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.
 9. 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.
 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND BRACING ALL UTILITIES IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
 11. 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.
 12. ALL FIRE HYDRANTS SHALL BE SECURELY WRAPPED IN BLACK PLASTIC UNTIL SUCH TIME AS THE NEW WATER LINE IS PUT INTO SERVICE BY THE WATER AUTHORITY PERSONNEL.

[illegible]

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
2008-189-9 2008.201.6

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE:	PUBLIC WATER LINE PLAN AND PROFILE LINES B & C PUBLIC WATER LINE EXTENSION - PHASE 1 DEL NORTE HIGH SCHOOL

Design Review Committee

APPROVE

AUG 25 2009

DESIGN REVIEW COMMITTEE

City Engineer Approval

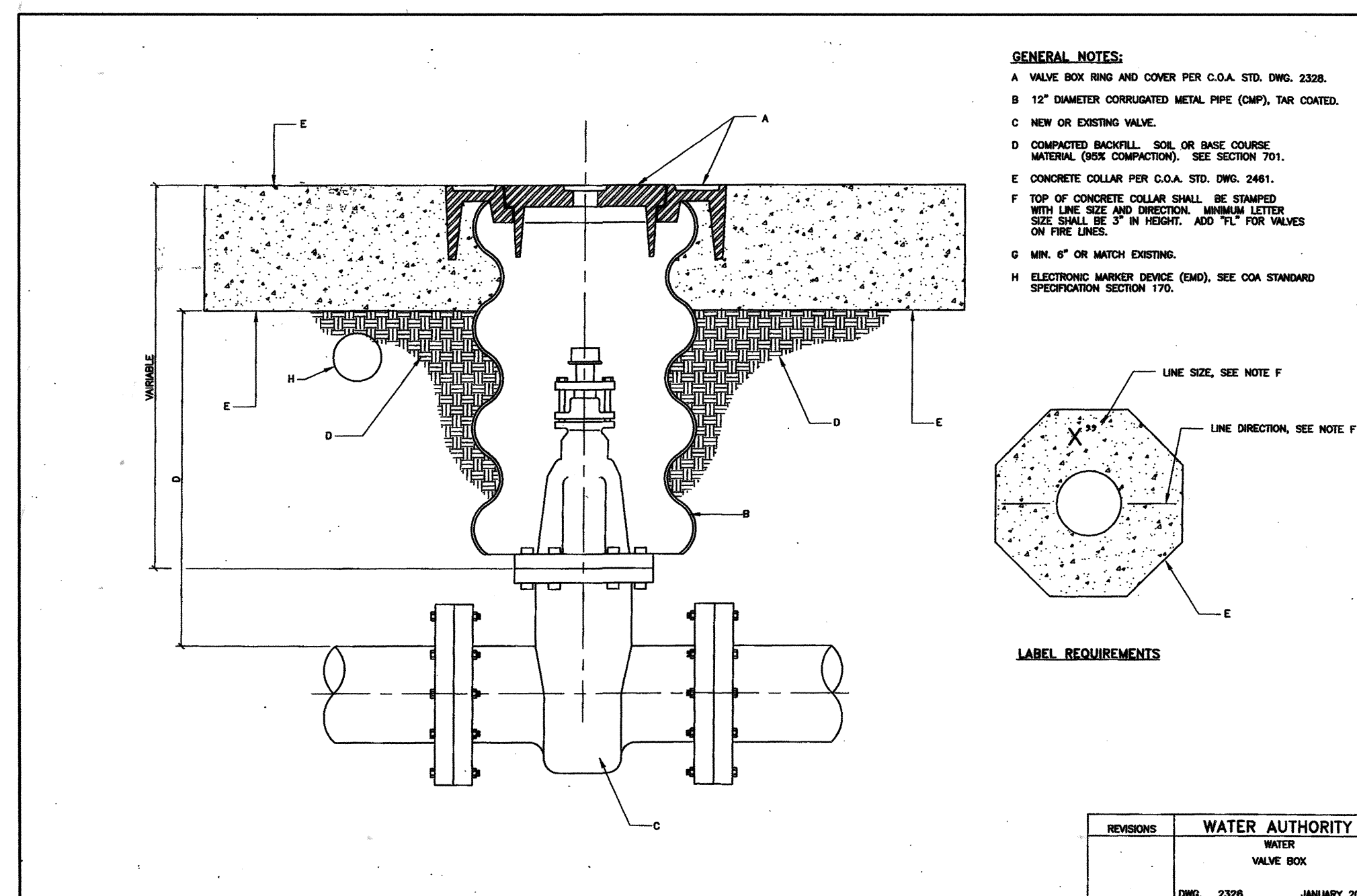
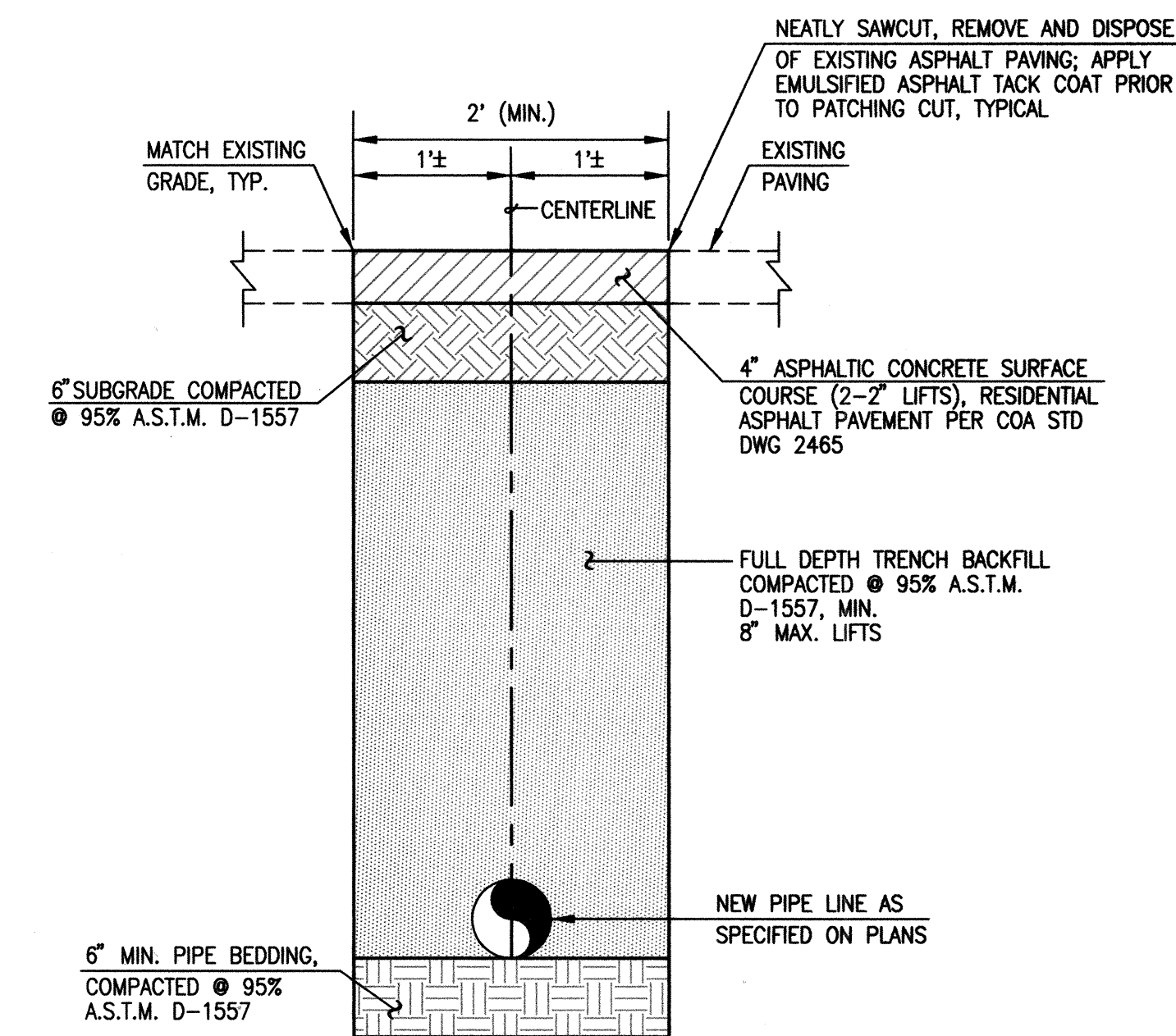
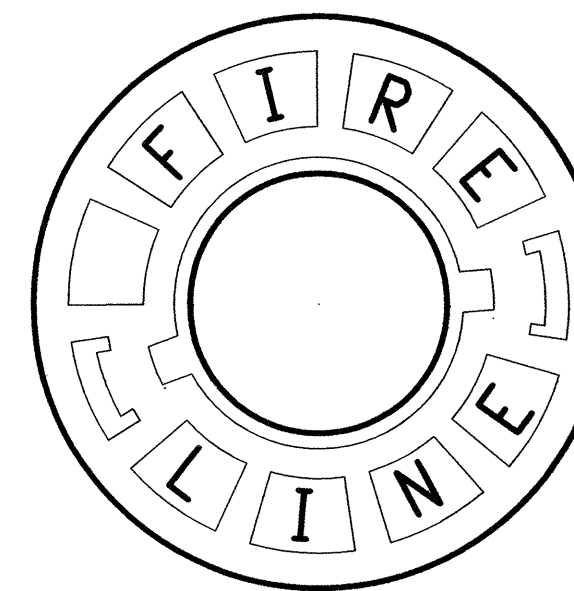
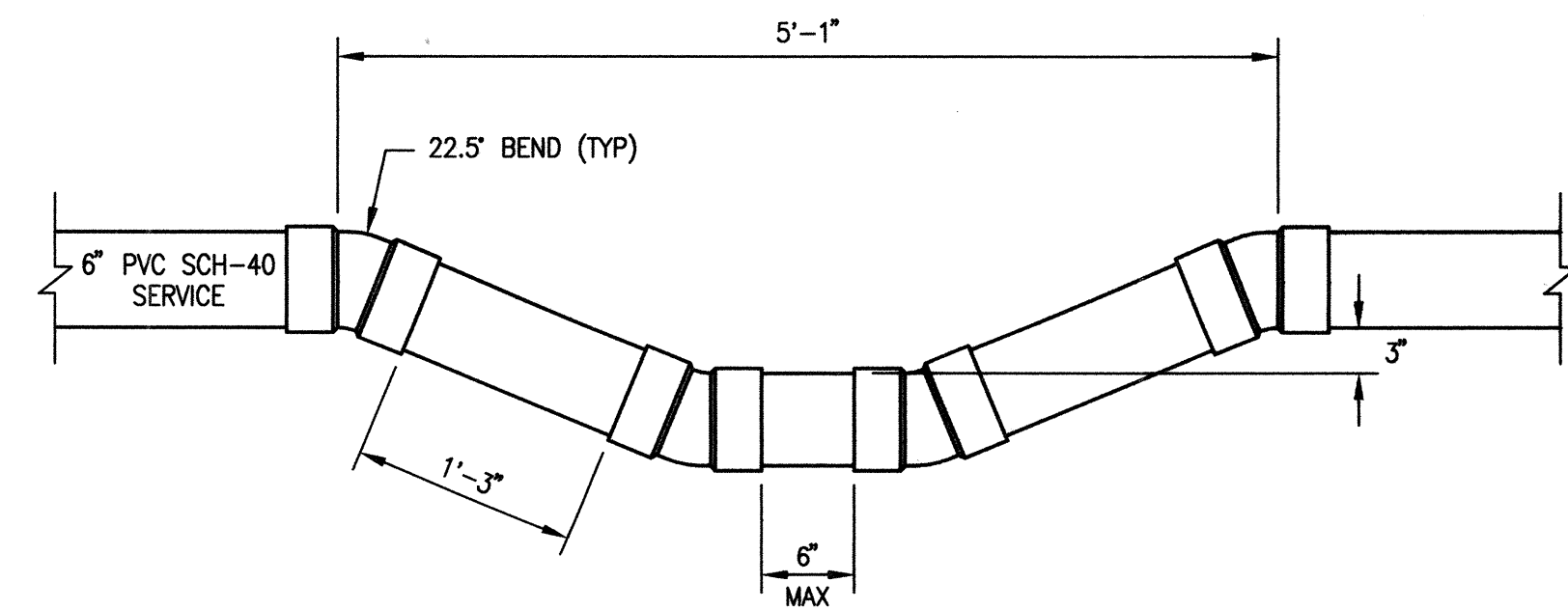
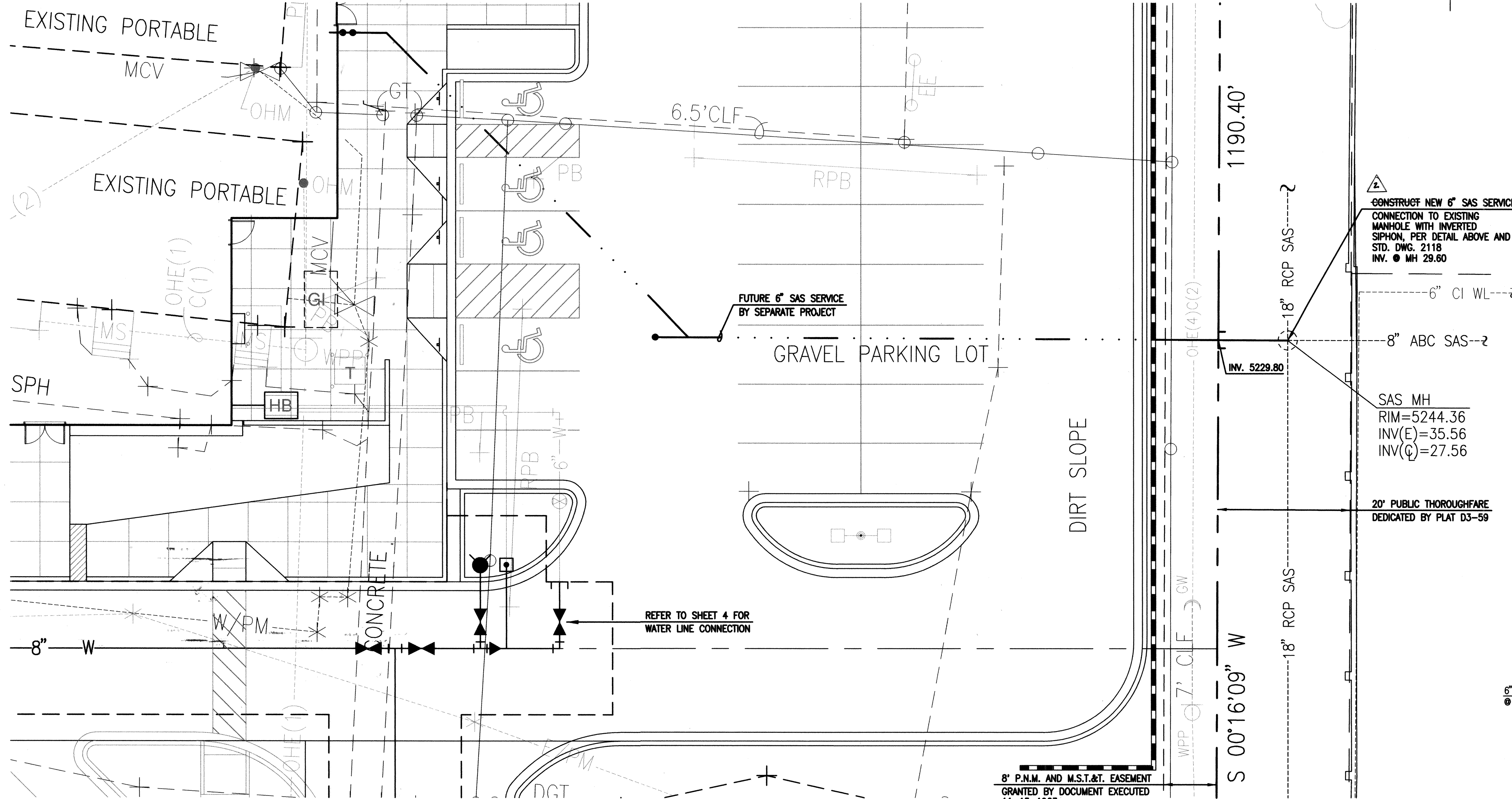
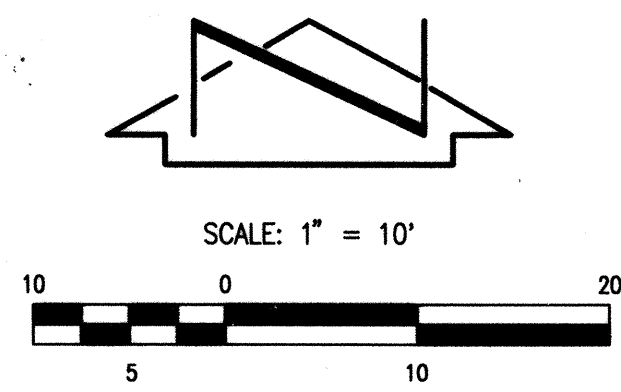
APPROVE

SEP 15 2009

CITY ENGINEER

Last Design Update

City Project No.	731462	Zone Map No.	Sheet	5	Of	68
------------------	--------	--------------	-------	---	----	----



WATER VALVE BOX DETAIL

RECORD DRAWING FOR CERTIFICATION, SEE SHEET 1

RECORD DRAWING LEGEND	
CONSTRUCT	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
8" (19)	RECORD INFORMATION (VERIFIED BY ENGINEER)
31.25 (22)	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
31.5 (26)	RECORD INFORMATION FROM AS-BUILT SURVEY
26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
31.25 (22)	RECORD INFORMATION FROM AS-BUILT SURVEY

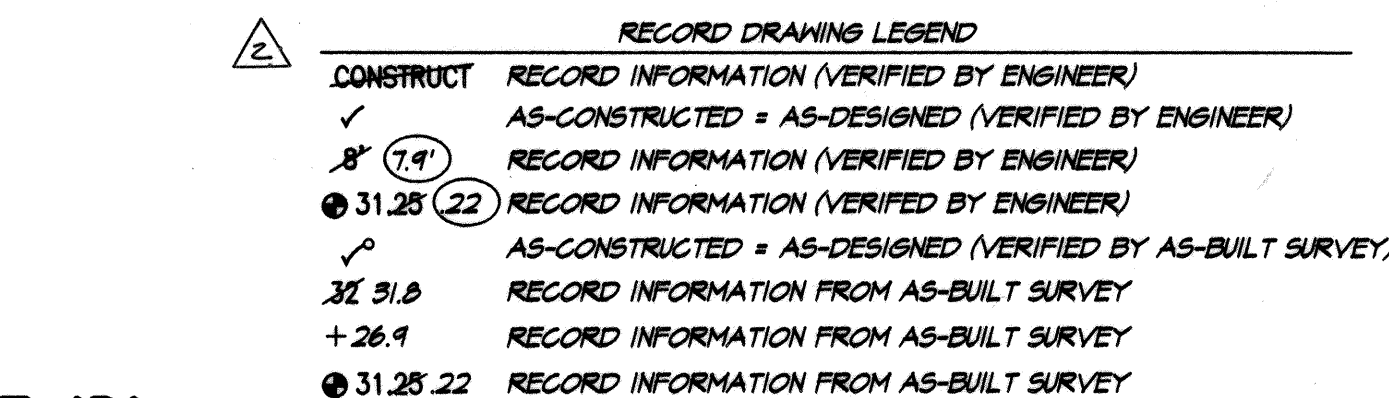
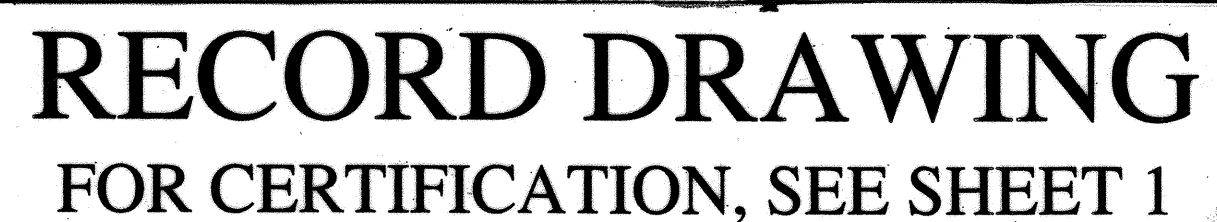
HIGH MESA Consulting Group
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com
2008.189-9 2008.201-6

CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN & DEVELOPMENT DIVISION


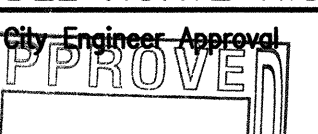
TITLE: **WATER AND SANITARY SEWER SECTIONS AND DETAILS
PUBLIC WATER LINE EXTENSION - PHASE 1
DEL NORTE HIGH SCHOOL**

DESIGN REVIEW COMMITTEE APPROVED AUG 25 2009	CITY ENGINEER APPROVED SEP 15 2009
DESIGN REVIEW COMMITTEE	CITY ENGINEER

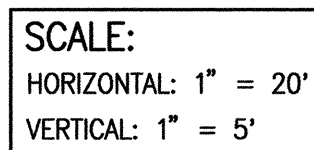
City Project No. **731462** Zone Map No. **F-18** Sheet **6** of **8**



- 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
2008-193-1 2008.201.6

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT	
TITLE: PUBLIC WATER LINE PLAN AND PUBLIC WATER LINE EXTENSION DEL NORTE HIGH SCHOOL	
Design Review Committee  APPROVED JUL 28 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval  APPROVED JUL 28 2010 CITY ENGINEER
City Project No. 731462	Zone Map No. F-18

LINE 'E'



WATER LINE CONSTRUCTION NOTES:

1. ALL STATIONING IS BASED ON EASEMENT CENTERLINE UNLESS INDICATED OTHERWISE.
2. WATER MAIN SHALL BE PVC C-900 DR18 PIPE OR AS APPROVED BY THE WATER AUTHORITY. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
3. 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 DEEP TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
4. ELECTRONIC MARKER SPHERES (EMS) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION, SECTION 170.
5. 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.
6. 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.
7. JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
8. 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.
9. 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.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND STAKING, AND DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
11. 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.
12. ALL FIRE HYDRANTS SHALL BE SECURELY WRAPPED IN BLACK PLASTIC UNTIL SUCH TIME AS THE NEW WATER LINE IS PUT INTO SERVICE BY THE WATER AUTHORITY PERSONNEL.

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
2008.193.1 2008.206.1

TITLE: PUBLIC WATER LINE PLAN AND PROFILE LINE 'E'
PUBLIC WATER LINE EXTENSION - PHASE 2
DEL NORTE HIGH SCHOOL

731462 Zone Map No. F-18 Sheet 8 of 8