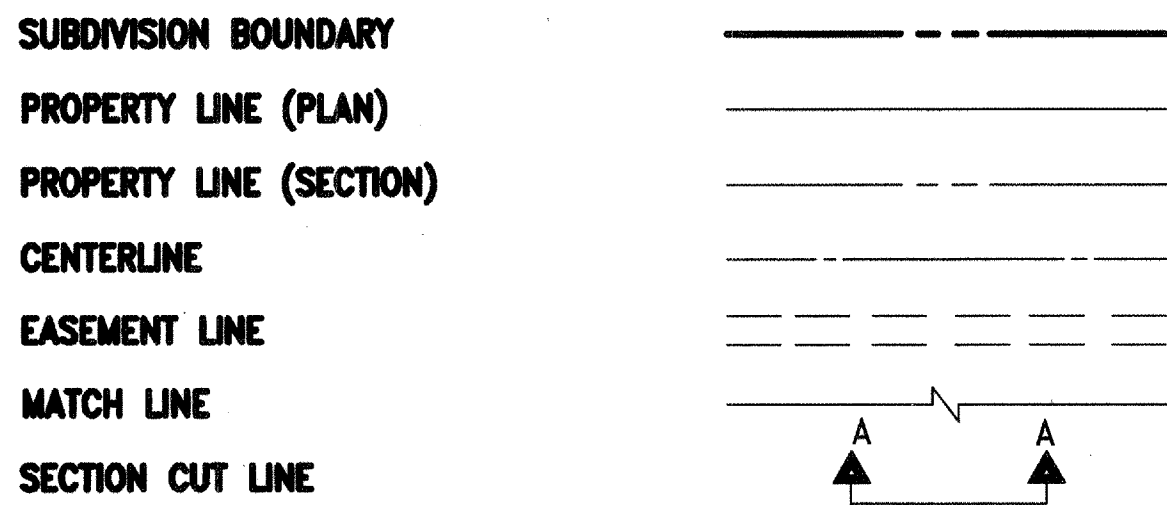


LEGEND

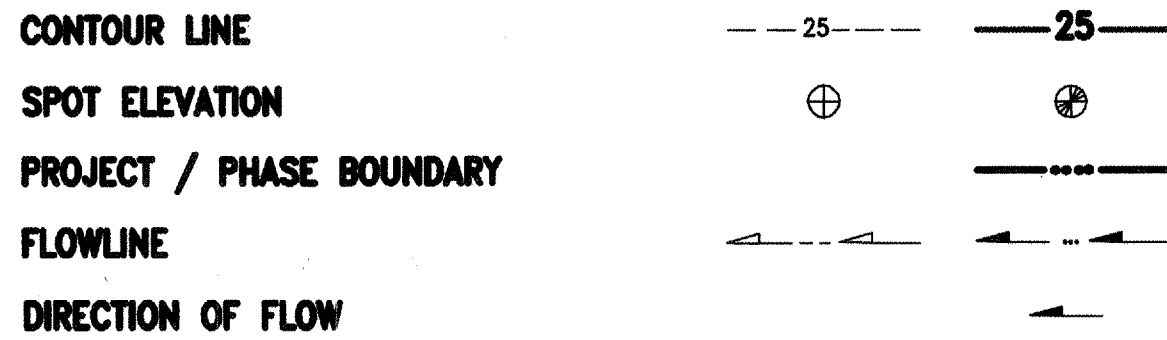
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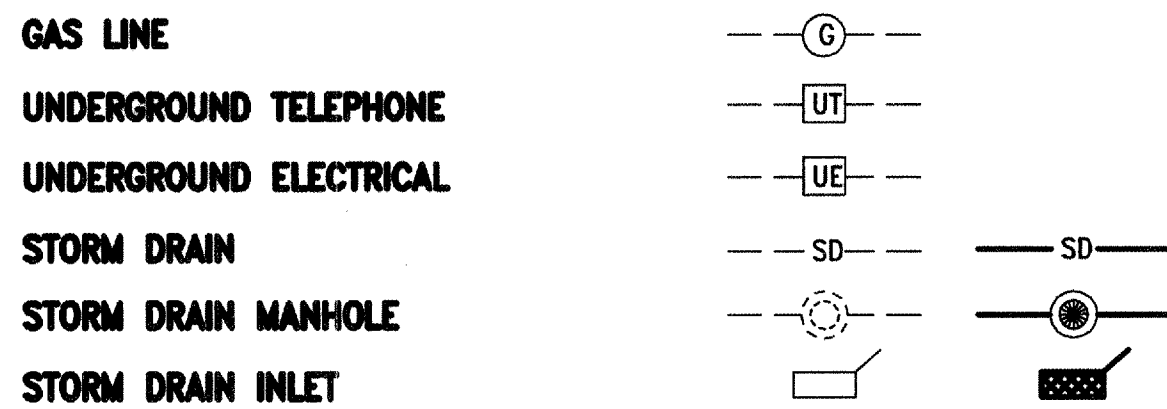
LINES



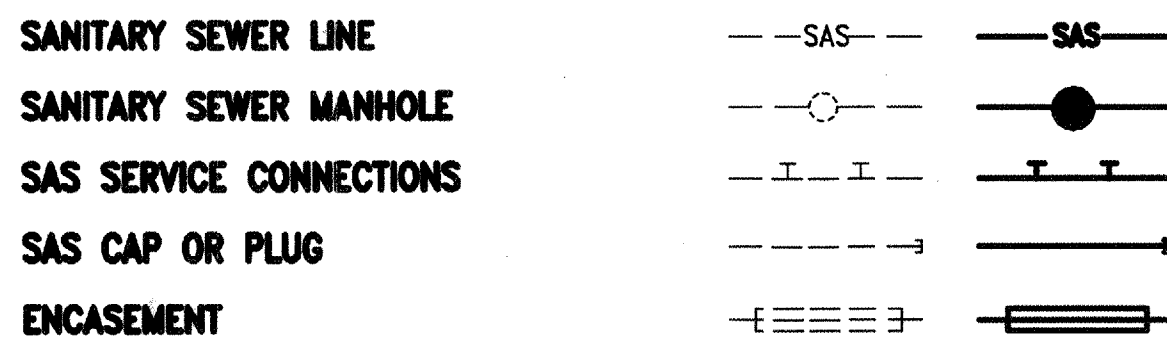
EARTHWORK



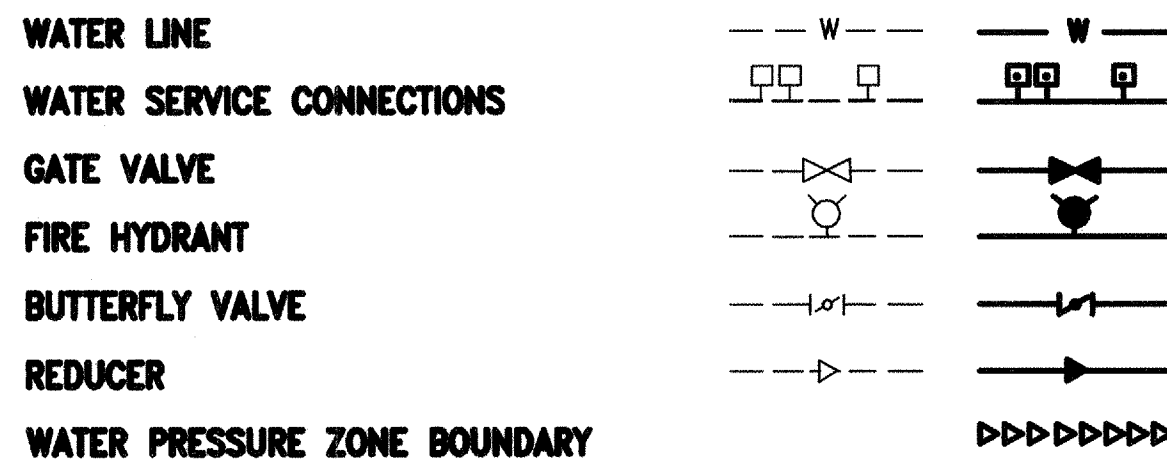
MISCELLANEOUS UTILITIES



SANITARY SEWER



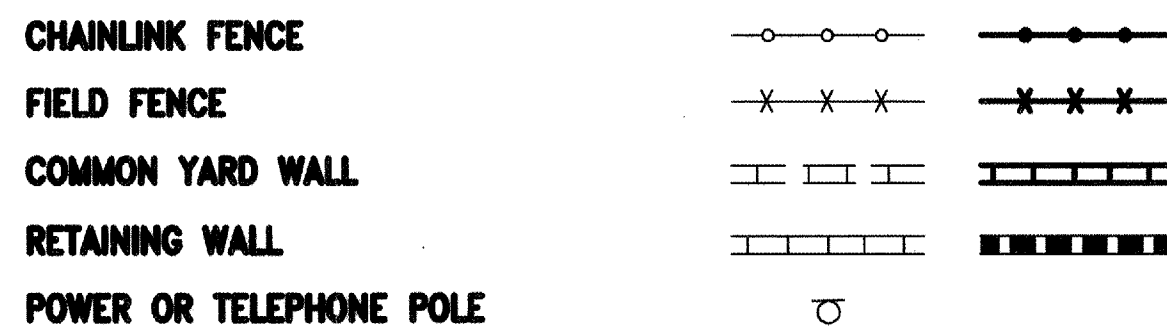
WATER



WATER FITTINGS



MISCELLANEOUS

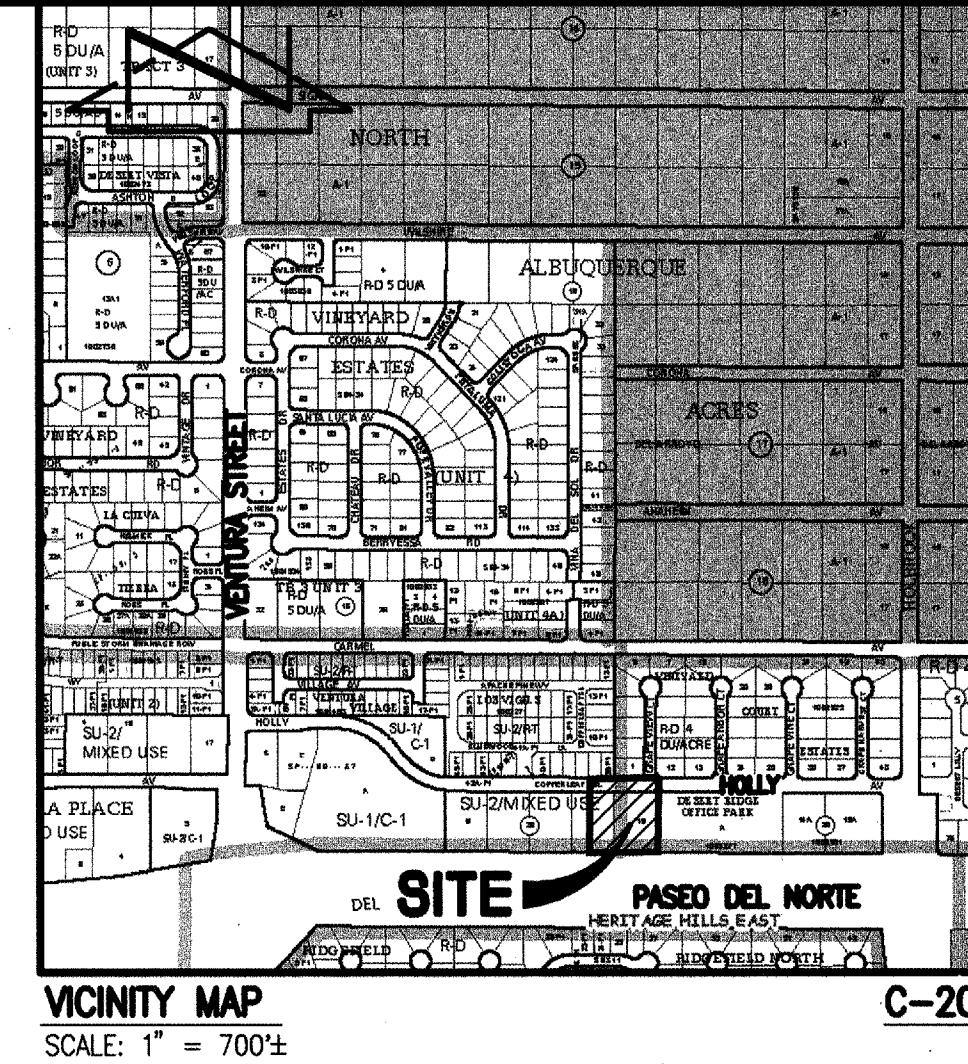


CONSTRUCTION PLANS
for
HOLLY AVENUE NE
MARK3S IMPROVEMENTS
ALBUQUERQUE, NEW MEXICO
MARCH, 2007

RECORD DRAWING

INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2-3	SUBDIVISION PLAT
4	GRADING PLAN (FOR INFORMATION ONLY)
5	SITE PLAN
6	PAVING SECTIONS AND DETAILS
7	HOLLY AVENUE NE PAVING AND STORM DRAINAGE IMPROVEMENTS PLAN AND PROFILE
8	PUBLIC WATER IMPROVEMENT DETAILS



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 CALL SYSTEM, 280-1990, (ALBUQUERQUE AREA) 1-800-321-ALERT (2537) (STATEWIDE) FOR LOCATION OF EXISTING UTILITIES.
- 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.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE 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 SYSTEM DIVISION 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 SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATIONS. THE WATER SYSTEM DIVISION 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 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.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING 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.
- PRIVATE STREETS REQUIRE STREET NAME SIGNS, STOP SIGNS, AND ANY NECESSARY STRIPING (DEVELOPER'S RESPONSIBILITY).
- PERMANENT PAVEMENT STRIPING WILL BE PLACED BY THE CONTRACTOR. THE ROAD SHALL NOT BE OPENED TO THE TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 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 WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY.
- 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 SECURE, ON BEHALF OF THE OWNER AND OPERATORS, "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, J. GRAEME MEANS, NMPE 13676, 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. THE RECORD SURVEY INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY OR UNDER THE DIRECT SUPERVISION CHARLES G. CALA JR., NMPS 11184 AND 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.

J. Graeme Means 9/27/07
J. GRAEME MEANS, NMPE 13676 DATE

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
Paul J. [Signature]
DATE: 11-29-2007

APPROVED FOR CONSTRUCTION
City Engineer [Signature] Date 6/14/07

DRB# 1005237

2006.070.9

1-8 09/2007

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****			
J. GRAEME MEANS NMPE 13676 PROFESSIONAL ENGINEER 03/29/2007	DRC Chairman	Stephen Woodell	4/19/07	APPROVED FOR CONSTRUCTION			
	Transportation	[Signature]	4/10/07	[Signature] City Engineer Date			
	Water/Wastewater	William G. [Signature]	4/10/07	[Signature] City Engineer Date			
	Hydrology	[Signature]	4/10/07	[Signature] City Engineer Date			
	C.I.P.	[Signature]	4/10/07	[Signature] City Engineer Date			
Const. Mngmt.							
Const. Coord.							
City Project No. 718782				SHEET 1 OF 8			

SP #2007053722



SCALE: 1" = 30'



TRACTS A AND B, MARK38 HOLLY DEVELOPMENT
PLAT OF
ALBUQUERQUE, BERNILLO COUNTY, NEW MEXICO
FEBRUARY, 2007

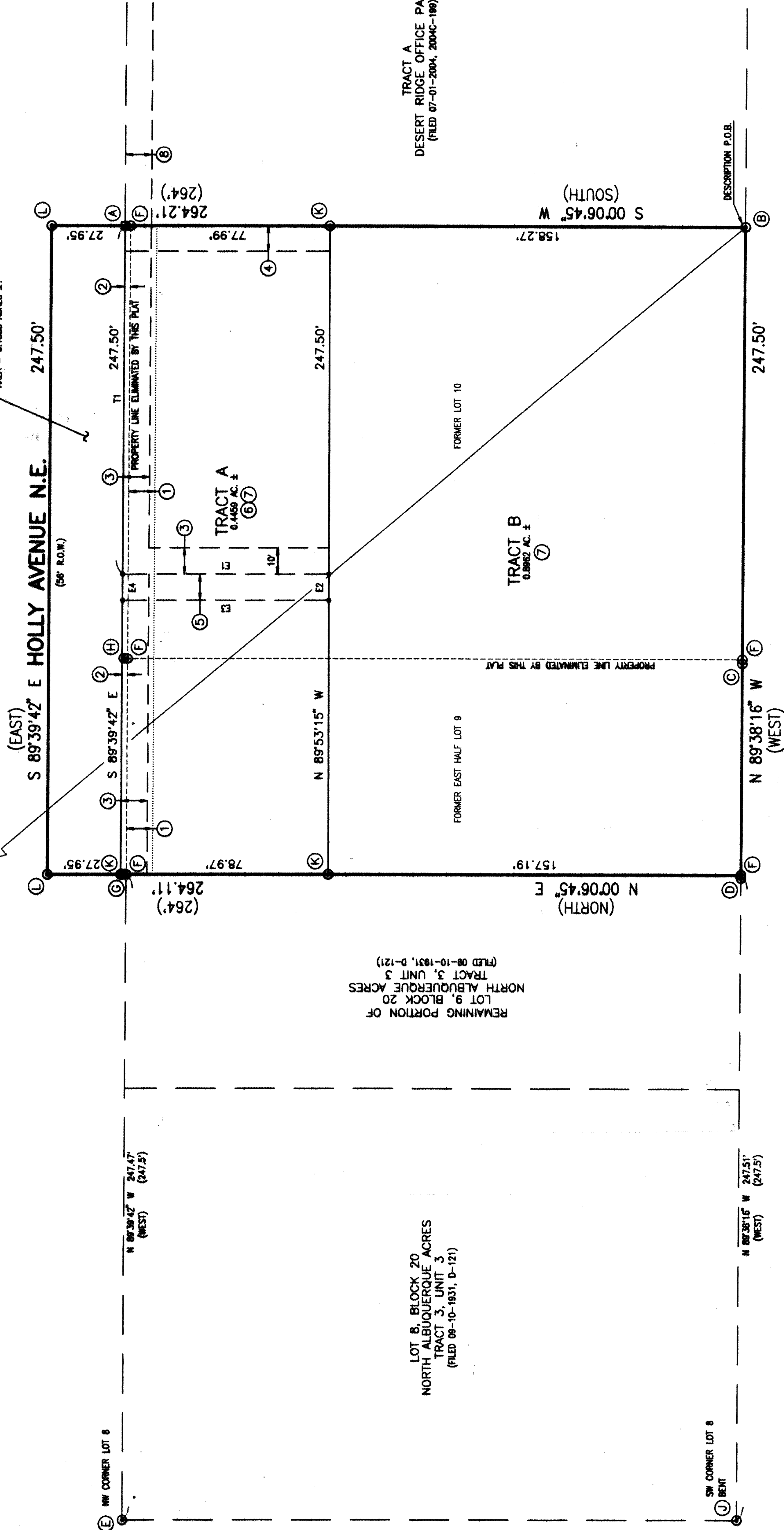
NEW MEXICO CENTRAL ZONE-NAD 1927
A.C.S. STA. 1+820'
ELEVATION=5474.51' (NAD 29)
COMBINED FACTOR=0.99984740
ELEVATION=5474.51' (NAD 29)

COUNTY CLERK FILING DATA



2007053722
Page 3 of 3
8/21/2007 11:38R
Barn. Co. Plot
R 17.00 B 5-2672 Pg 49

THE STREET FRONTAGE PROVIDED IN THE SIMPLE
AREA IS 0.1500 ACRES ±.



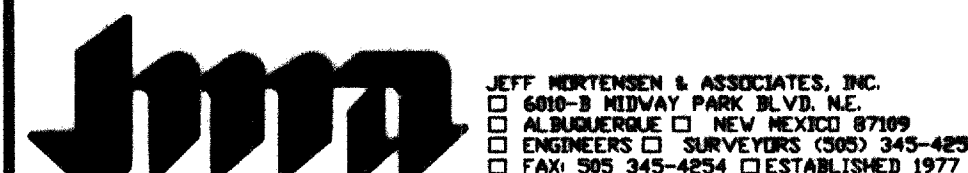
EASEMENT TABLE		
LINE	DIRECTION	DISTANCE
E1	S 00°06'45" W	78.52'
E2	N 89°38'16" W	10.00'
E3	N 00°06'45" E	78.56'
E4	S 89°39'42" E	10.00'

PASEO DEL NORTE N.E.
(R.O.W. WIDES)



JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS & SURVEYORS (SUS) 345-4250
JOB #2006070.4 PREPLOT

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 JMA, NMPS NO. 11184, DATED 10/24/2006. TOPOGRAPHIC SURVEY INFORMATION IS BASED UPON A TOPOGRAPHIC SURVEY PREPARED BY JMA, ON 10/24/2006, NMPS NO.11184.



LEGEND (EXISTING)	
ASPH	ASPHALT
B	BOULDER
C	C&G
C&G	CURB AND GUTTER
CMU	CONCRETE MASONRY UNIT
CO	CONCRETE
EA	EDGE OF ASPHALT
ET	ELECTRIC TRANSFORMER
FL	FIRE HYDRANT
FL	FLOWLINE
INV	INVERT ELEVATION
MH	MANHOLE
OHE(1)	OVERHEAD ELECTRIC (# OF LINES)
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
SAS	SANITARY SEWER
SD	STORM DRAIN
SI	STORM INLET
STD	STANDARD
TA	TOP OF ASPHALT
TC	TOP OF CURB
TCO	TOP OF CONCRETE
TG	TOP OF GRATE
WL	WATERLINE
WPP	WOOD POWER POLE
WS	WOOD SIGN
○	DECIDUOUS TREE
○	SHRUB
*	UTILITY MARKER
LEGEND (PROPOSED)	
●	PROPOSE SPOT ELEVATION
→	DIRECTION OF FLOW
—	FLOWLINE
HC	HANDICAPPED PARKING
MC	MOTORCYCLE PARKING
□	PROPOSED CONCRETE
▨	PROPOSED ASPHALT PAVING
▩	PROPOSED RETAINING WALL
—	PROPOSED ROOF DRAIN

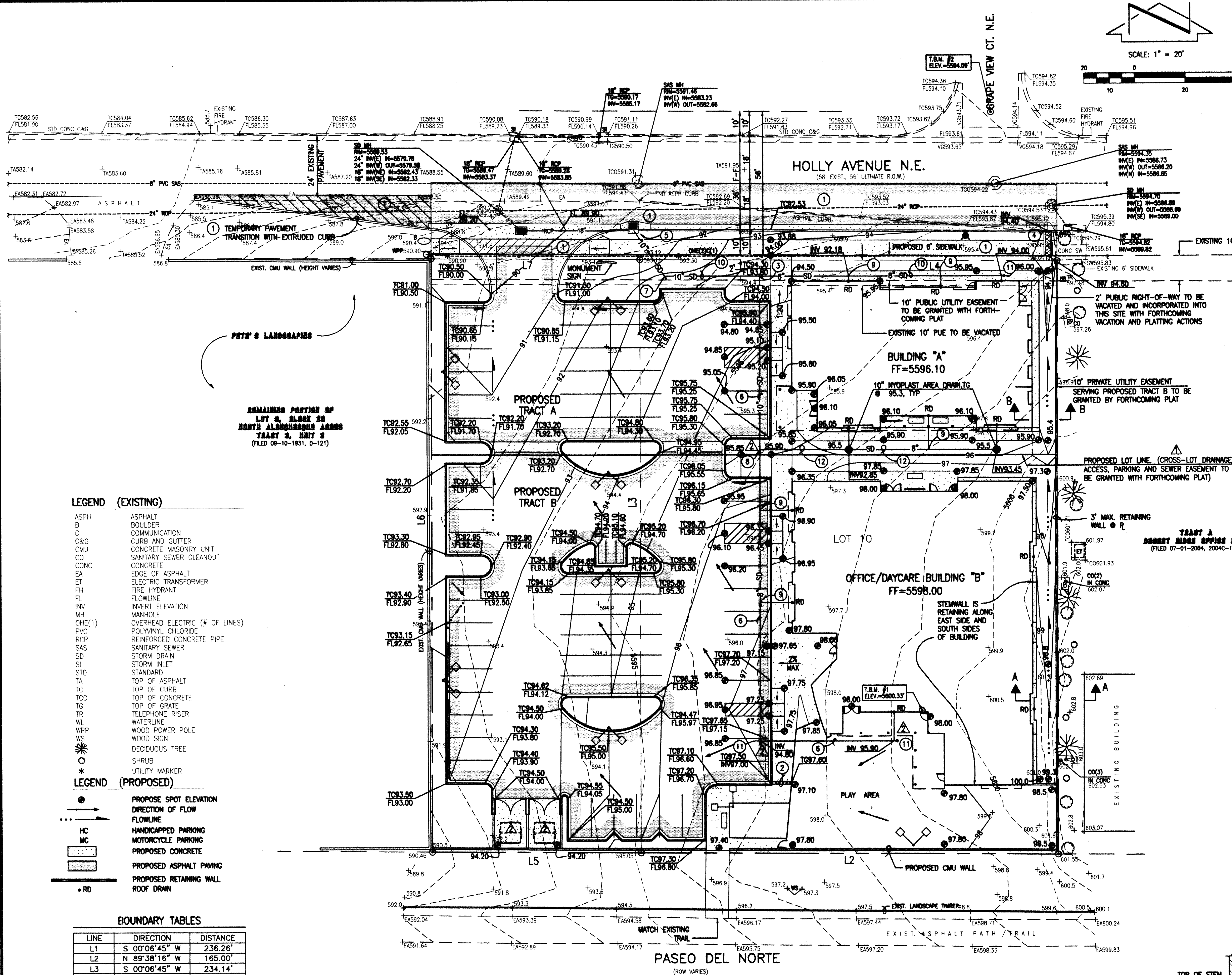
BOUNDARY TABLES

LINE	DIRECTION	DISTANCE
L1	S 00°06'45" W	236.26'
L2	N 89°38'16" W	165.00'
L3	S 00°06'45" W	234.14'
L4	S 89°39'42" E	165.00'
L5	N 89°38'16" W	82.50'
L6	N 00°06'45" E	236.16'
L7	S 89°39'42" E	82.50'

KEYED NOTES

- HOLLY AVENUE N.E. IMPROVEMENTS TO BE CONSTRUCTED BY CITY WORK ORDER
- CONSTRUCT 12" SIDEWALK CULVERT PER COA STD DWG 2236
- INSTALL COMBINATION WYE/BEND W/ CLEANOUT TO GRADE INV 91.13
- 24" SIDEWALK CULVERT BY CITY WORK ORDER
- CONNECTION TO STORM INLET STUB. INV 86.75
- INSTALL 8" HDPE (SMOOTH INTERIOR) STORM DRAIN ● S = 0.02 (2%) SIZE 8" OR 10" AS NOTED
- INSTALL 8" HDPE WYE W/ CLEANOUT, INV 90.00
- INSTALL 8" HDPE BEND/WYE W/ CLEANOUT TO GRADE, WITH 8"x10" SIZE INCREASE INV 92.50
- INSTALL 8" WYE, CONNECT TO ROOF DRAIN
- INSTALL HDPE (SMOOTH INTERIOR) STORM DRAIN ● S = 0.0300 (3%) SIZE 8" OR 10" AS NOTED
- INSTALL CLEANOUT TO GRADE
- INSTALL 8" HDPE (SMOOTH INTERIOR) STORM DRAIN ● S = 0.0100 (1%)

GRADING PLAN MARK 3S HOLLY DEVELOPMENT



LEGAL DESCRIPTION:

LOT 10 AND THE EAST HALF OF LOT 9, BLOCK 20, NORTH ALBUQUERQUE ACRES, TRACT 3, UNIT 3, ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON SEPTEMBER 10, 1931, BOOK D, PAGE 121.

PROJECT BENCHMARK

STANDARD ACS BRASS TABLET STAMPED, "1-B20", SET IN TOP OF A CONCRETE POST, AT THE NORTHEAST INTERSECTION OF BARSTOW STREET AND MODESTO AVENUE. ELEVATION = 5474.51 FEET (NGVD 1929)

T.B.M. #1

REBAR #5 WITH CAP STAMPED, "JMA CONTROL NMPS 11184", AS SHOWN ON THIS SHEET. ELEVATION = 5600.33 FEET (NGVD 1929)

T.B.M. #2

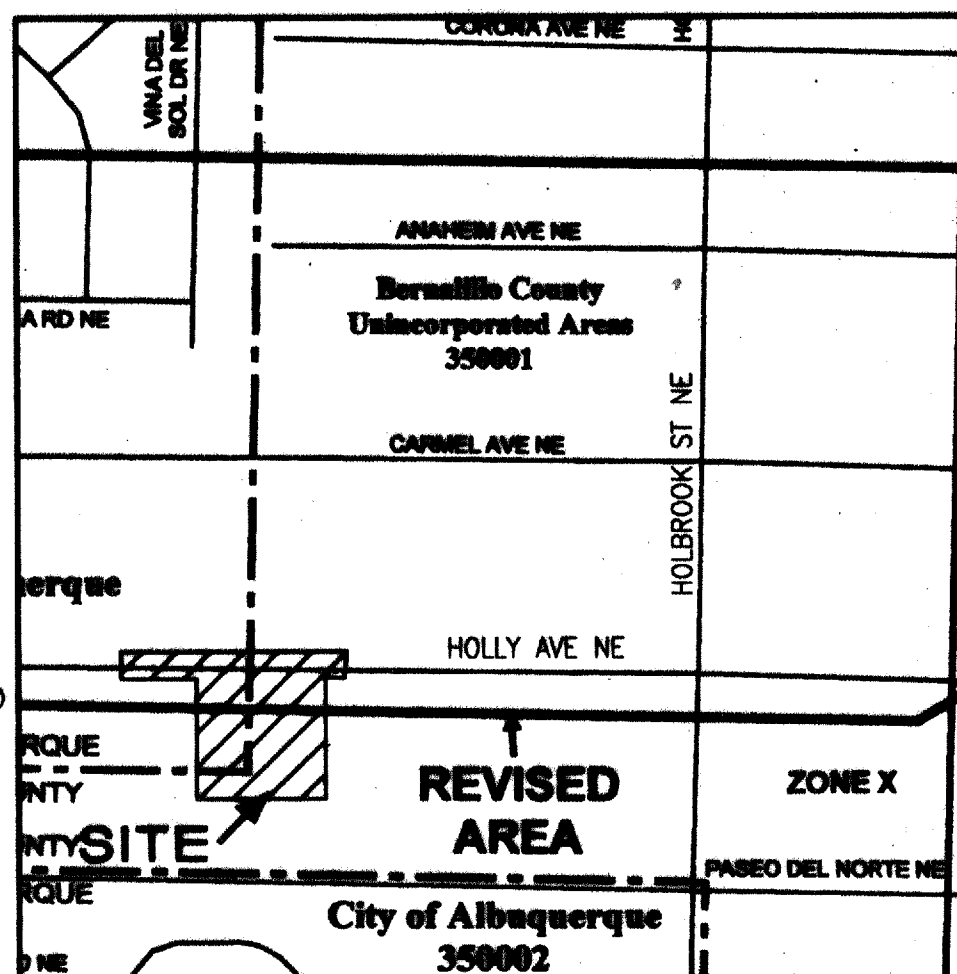
ALUMINUM CAP STAMPED, "PLS #11184", AS SHOWN ON THIS SHEET. ELEVATION = 5594.09 FEET (NGVD 1929)

CONSTRUCTION NOTES:

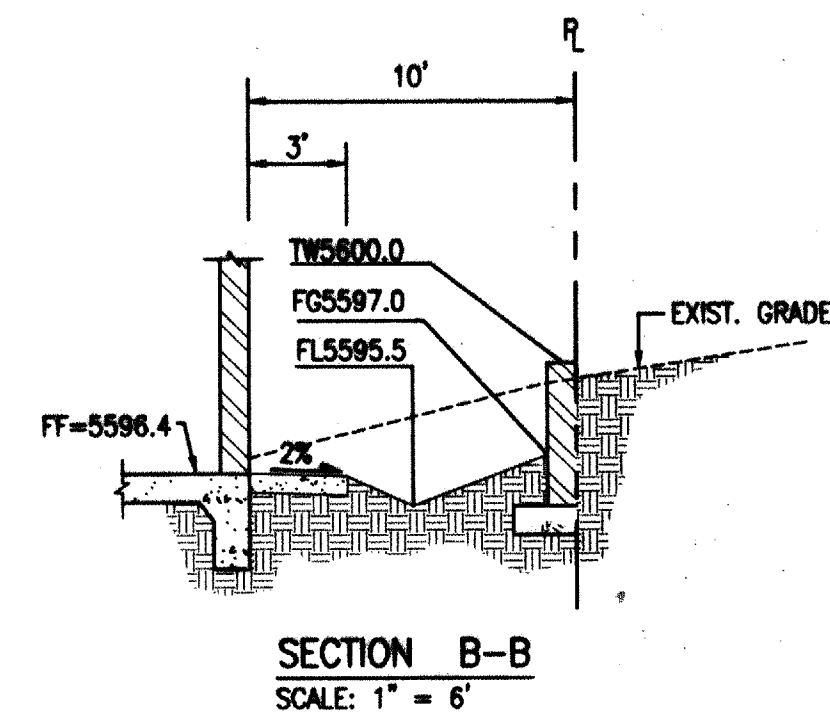
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 280-1990 (ALBUQUERQUE AREA), 1-800-321-ALERT(2537) (STATEWIDE), FOR LOCATION OF EXISTING UTILITIES.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
 - ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
 - ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
 - 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 THEREOF. 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.
 - THE DESIGN OF PLANTERS AND LANDSCAPED AREAS IS NOT PART OF THIS PLAN. ALL PLANTERS AND LANDSCAPED AREAS ADJACENT TO THE BUILDING(S) SHALL BE PROVIDED WITH POSITIVE DRAINAGE TO AVOID ANY PONDING ADJACENT TO THE STRUCTURE. FOR CONSTRUCTION DETAILS, REFER TO LANDSCAPING PLAN.
- EROSION CONTROL MEASURES:**
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
 - THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
 - WHEN APPLICABLE, CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.

VICINITY MAP

SCALE: 1" = 750'

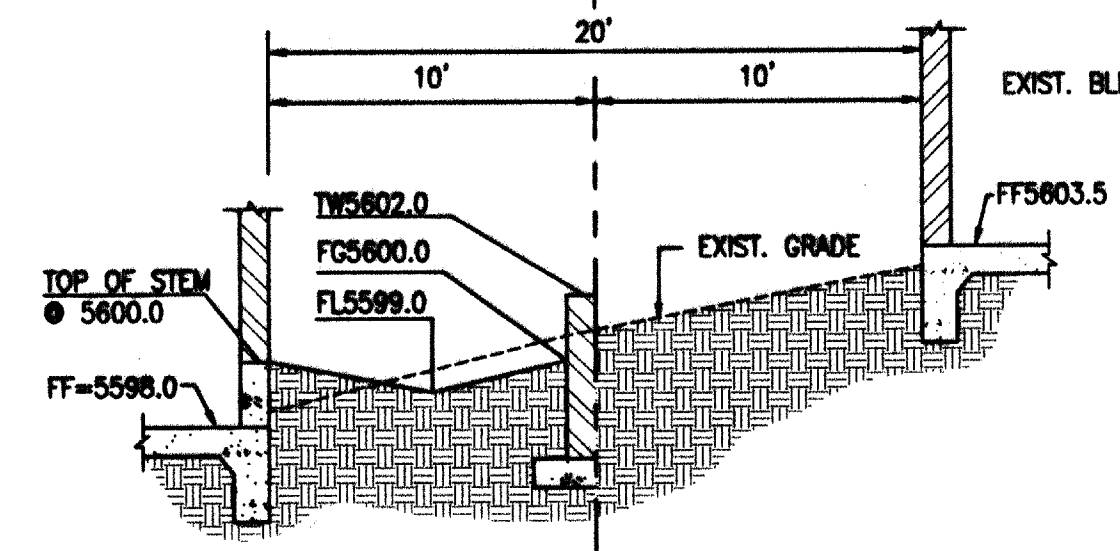


F.I.R.M. PANEL 142 OF 825
SCALE: 1" = 500'
REVISED 3/23/2004



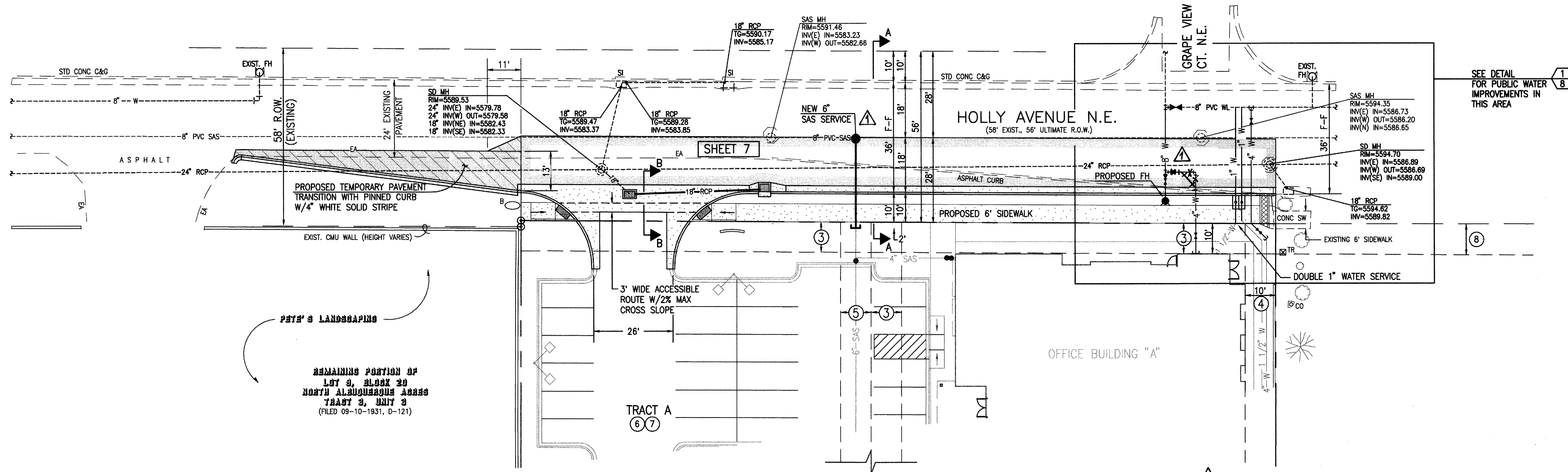
SECTION B-B
SCALE: 1" = 6'

RECORD DRAWING



SECTION A-A
SCALE: 1" = 6'

DESIGNED BY	DATE	BY	REVISIONS	JOB NO.
G.M.	01/07	G.M.	ADDRESS EPC COMMENTS, ADDED DETAIL FOR CONSTRUCTION	2006.070.6
RRV/JLP	03/07	G.M.	REVISE ROOF DRAINS, DELETE SEWER DRAINS	DATE 10-2006
G.M.				SHEET 003 OF



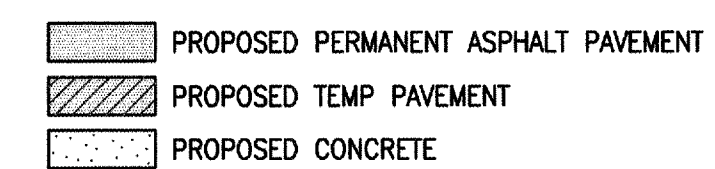
**RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 1**

NEW EASEMENTS

- EXISTING EASEMENT – OFFSITE

- ⑧ 10' PUBLIC UTILITY EASEMENT GRANTED BY PLAT 2004C-199

PAVING LEGEND



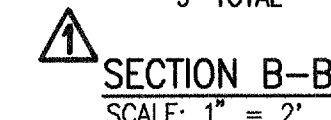
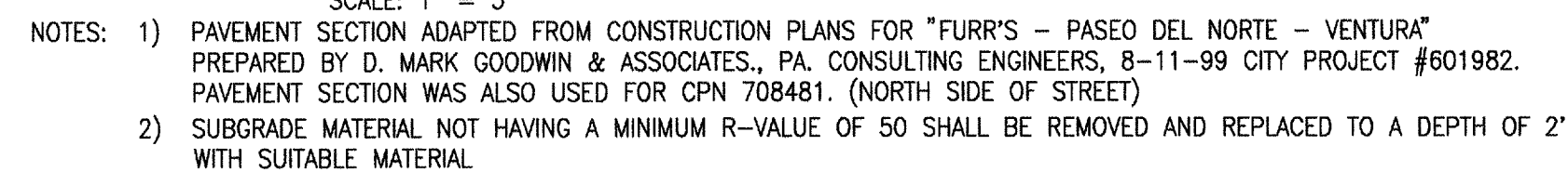
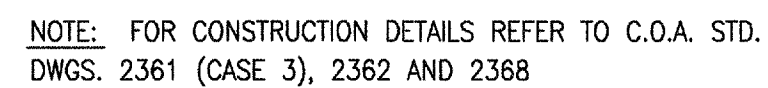
JEFF MORTENSEN & ASSOCIATES, INC.
☐ 6010-B MIDWAY PARK BLVD. N.E.
☐ ALBUQUERQUE ☐ NEW MEXICO 87109
☐ ENGINEERS ☐ SURVEYORS (505) 345-4250
☐ FAX: 505 345-4254 ☐ ESTABLISHED 1977

2006.070.59

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

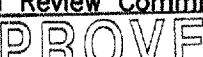
TITLE: SITE PLAN
HOLLY AVENUE N.E. MARK3S IMPROVEMENTS

Design Review Committee 		City Engineer Approval 		Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 718782		Zone Map No. C-20			Sheet 5 Of 8	



JEFF MORTENSEN & ASSOCIATES, INC.
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☐ ALBUQUERQUE ☐ NEW MEXICO 87109
☐ ENGINEERS ☐ SURVEYORS (505) 345-4250
☐ FAX: 505 345-4254 ☐ ESTABLISHED 197

TITLE: PAVING SECTIONS AND DETAILS
HOLLY AVENUE N.E. MARK3S IMPROVEMENTS

Design Review Committee 		City Engineer Approval 		Last Update	Mo./Day/Yr. 		Mo./Day/Yr. 	
								
								
								
								
City Project No. 718782		Zone Map No. C-20		Sheet 6		Of 8		



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

CURVE	RADIUS	ARC	DELTA
Ⓐ	25.00'	39.17'	89°46'27"
Ⓑ	25.00'	39.37'	90°13'33"

 PROPOSED PERMANENT ASPHALT PAVEMENT
 PROPOSED TEMP PAVEMENT
 PROPOSED CONCRETE

2006.070.59

JEFF MORTENSEN & ASSOCIATES, INC.
☐ 6010-B MIDWAY PARK BLVD. N.E.
☐ ALBUQUERQUE ☐ NEW MEXICO 87109
☐ ENGINEERS ☐ SURVEYORS (505) 345-4254
☐ FAX: 505 345-4254 ☐ ESTABLISHED 1977

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
HOLLY AVENUE N.E. PAVING AND STORM DRAINAGE IMPROVEMENTS
HOLLY AVENUE N.E. MARK3S IMPROVEMENTS

Design Review Committee

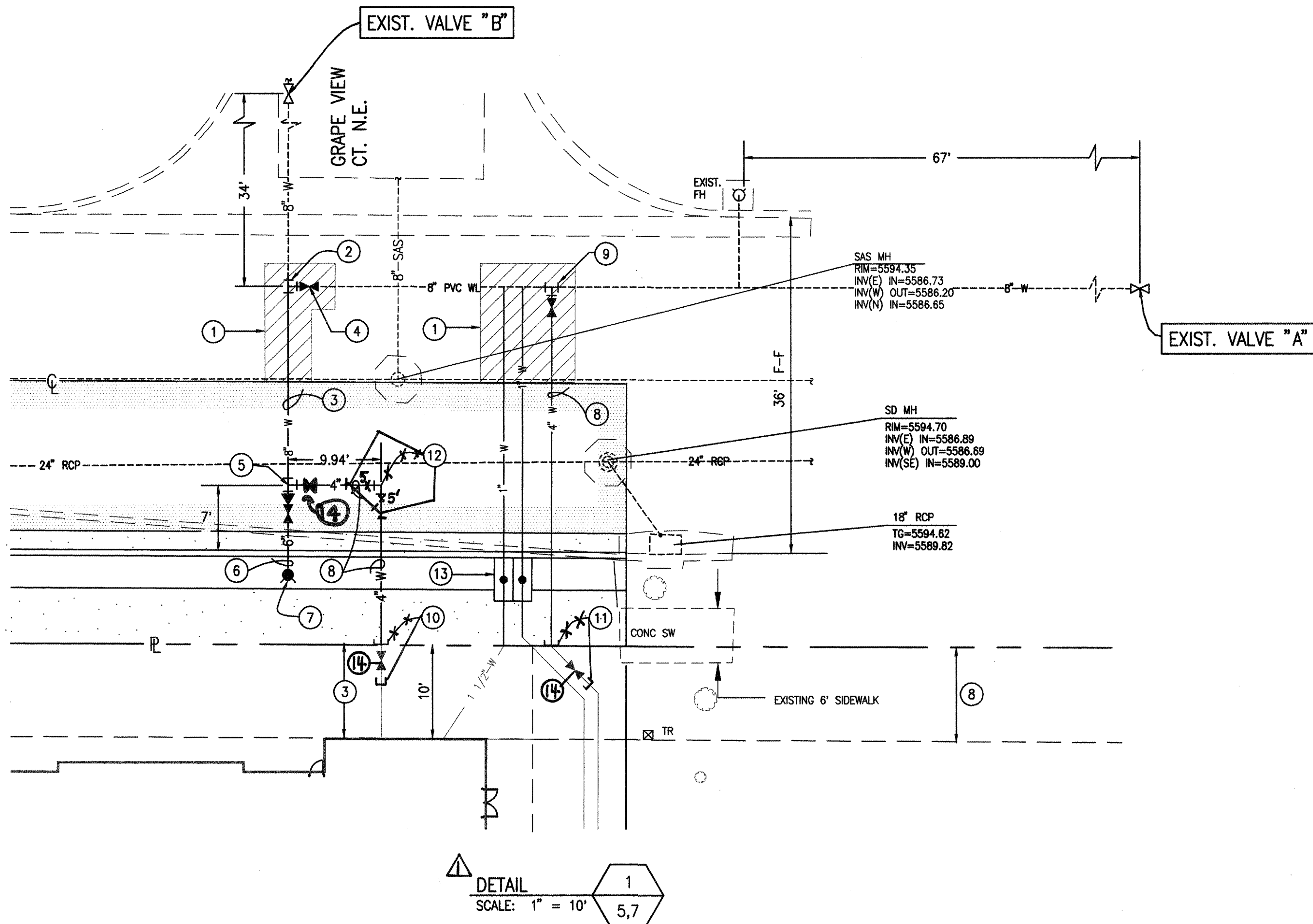
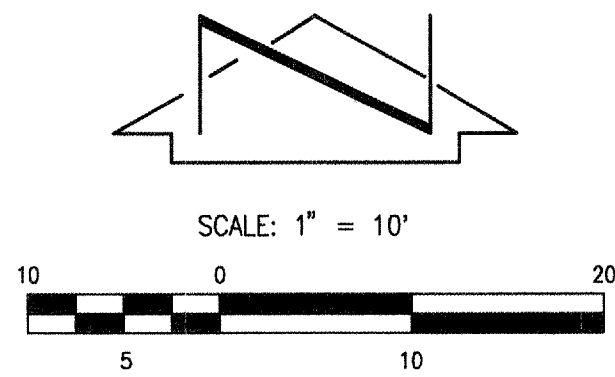
APPROVED

APR 19 2007

DESIGN
REVIEW COMMITTEE

City Engineer Approval
APPROVED
JUN 14 2007
CITY ENGINEER

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KEYED WATER LINE CONSTRUCTION NOTES:

1. NEATLY SAWCUT, REMOVE, DISPOSE AND REPLACE EXISTING PAVEMENT PER COA STD DWG 2465. ~~MAJOR LOCAL.~~
2. NON-PRESSURE CONNECTION STA 26+89.61 (1.03' LT). REMOVE AND DISPOSE OF EXISTING 90° ELL. ~~INSTALL~~ 1 - 8" RESTRAINED 8"x8"x8" TEE. (TP 90.2)
3. ~~INSTALL~~ 8" PVC C-900 WATER LINE, 3.5' MIN. COVER. RESTRAIN ALL JOINTS AND FITTINGS.
4. ~~INSTALL~~ 1 - 8" RESTRAINED GATE VALVE WITH VALVE BOX PER COA STD DWG 2326.
5. ~~INSTALL~~ 1 - 8"x8"x4" RESTRAINED TEE (TP 90.5)
1 - 8"x8" RESTRAINED REDUCER (SOUTH)
1 - 6" RESTRAINED GATE VALVE WITH VALVE BOX PER COA STD 2326 (SOUTH)
6. ~~INSTALL~~ 6" PVC C-900 WATER LINE. RESTRAIN ALL JOINTS AND FITTINGS
7. STA 26+89.73 (20.5' RT)
~~INSTALL~~ 1 - RESTRAINED 4 1/2" BURY FIRE HYDRANT PER COA STD DWG 2340. BOTTOM OF FLANGE @ 5595.20. ~~10~~
8. ~~INSTALL~~ 4" PVC C-900 WATER LINE. RESTRAIN ALL JOINTS AND FITTINGS
9. NON-PRESSURE CONNECTION. STA 27+17.79 (10.40' LT)
~~INSTALL~~ 1 - 8"x8"x4" RESTRAINED TEE (TP 90.9)
1 - 8" SOLID SLEEVE
1 - 4" RESTRAINED GATE VALVE WITH VALVE BOX PER COA STD DWG 2326. (SOUTH)
CONCRETE BLOCKING
10. ~~INSTALL~~ 4" CAP & CONC. BLOCKING @ P. (TP 90.5)
PRIVATE VALVE AND CONTINUATION BY BUILDING PERMIT PLANS.
11. ~~INSTALL~~ 4" CAP & CONC. BLOCKING @ P. (TP 90.9)
PRIVATE VALVE AND CONTINUATION BUILDING PERMIT PLANS.
12. ~~INSTALL~~ 3 - 4" RESTRAINED ~~45°~~ ELLS (TP 90.5)
13. ~~INSTALL~~ 1 - DOUBLE 1" WATER SERVICE PER COA STD DWGS 2361 (CASE 3), 2362 WITH BOX AND COVER PER STD DWGS 2366 AND 2368.
14. ~~INSTALL~~ 3 - RESTRAINED 4" GATE VALVE WITH VALVE BOX PER COA STD DWG 2326.

WATER LINE CONSTRUCTION NOTES:

1. ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
2. FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
3. FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR PVC C-905 OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. CONCRETE CYLINDER IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
4. WATER LINE SHALL HAVE A MINIMUM COVER OF 3'-0" (FINISHED GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
5. ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION, SECTION 170.
6. 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.
7. 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.
8. JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
9. 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.
10. 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.
11. 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.
12. 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.
13. ALL FIRE HYDRANTS SHALL BE SECURELY WRAPPED IN BLACK PLASTIC UNTIL SUCH TIME AS THE NEW WATER LINE IS PUT INTO SERVICE BY WATER SYSTEM DIVISION PERSONNEL.

WATER VALVE SHUTOFF PLAN NOTES:

1. VALVES "A" AND "B" SHALL BE CLOSED TO FACILITATE THE CONNECTIONS.
2. COA 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.
4. 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.
5. THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT ALL NECESSARY SHUTOFFS AND CONNECTIONS.
6. EXISTING WATER VALVE AND WATER LINE INFORMATION OBTAINED FROM AS-BUILT DRAWINGS FOR CPN 718781 (BY THIS OFFICE)
7. AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT COA NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE OF THE SHUTOFF.
8. AT THE ONE (1) HYDRANT AND NO (0) SERVICES WILL BE IMPACTED BY THIS CLOSURE.

RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 1

JMA
2006.070.89

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: PUBLIC WATER IMPROVEMENT DETAILS
HOLLY AVENUE N.E. MARK3S IMPROVEMENTS

DESIGN REVIEW COMMITTEE APPROVE APR 19 2007 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVE JUN 14 2007 CITY ENGINEER	REVISIONS NO. DATE 1 J.P.W./G.M. 02-2007 2 J.P.L./R.R.W. 02-2007 3 G.M. 02-2007
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