

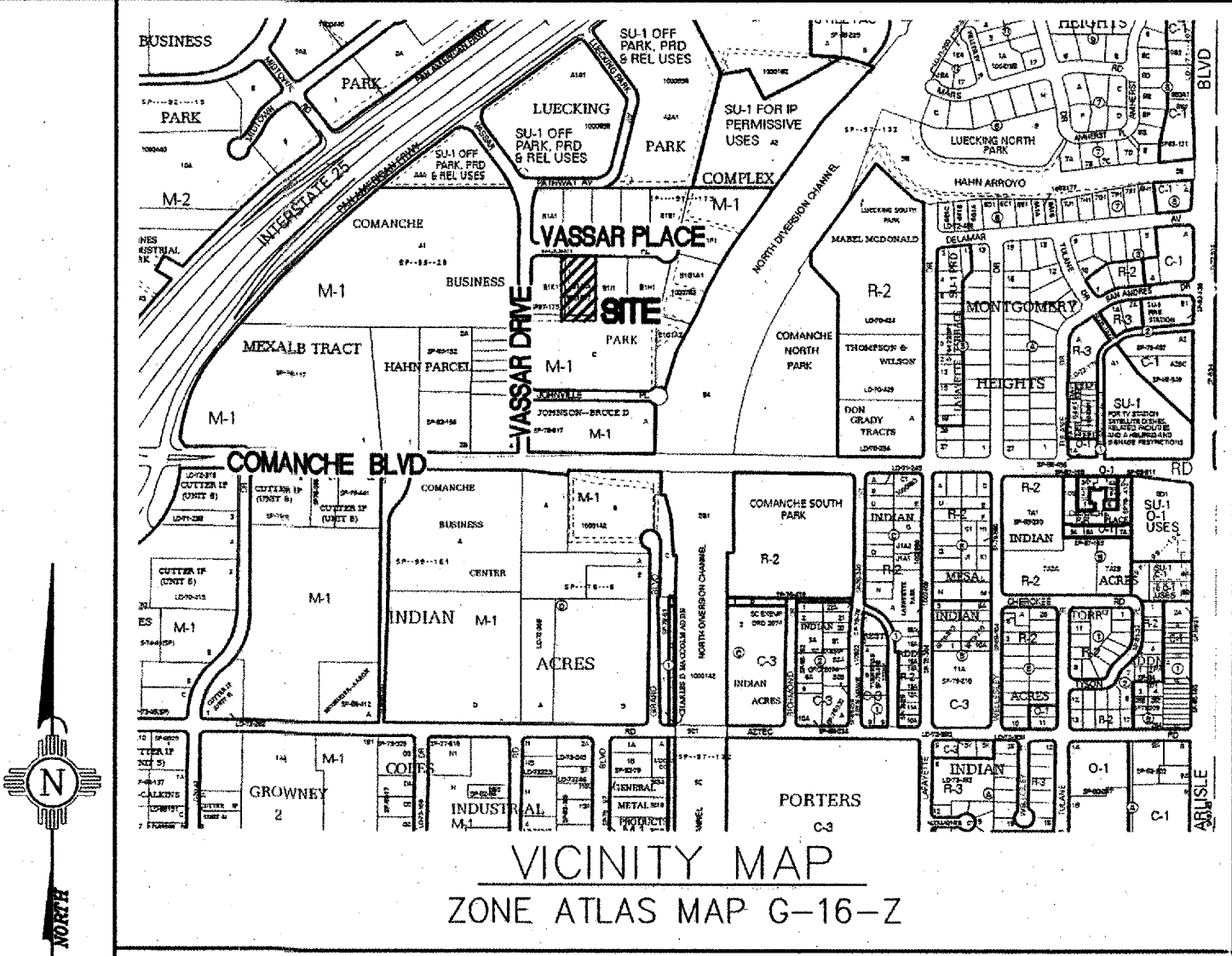
DIRECT WATER AND POWER

STORM DRAIN RELOCATION AND IMPROVEMENTS

VASSAR PLACE N.E. ALBUQUERQUE, NEW MEXICO

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GRADING AND DRAINAGE PLAN - SHEET 1
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4	UTILITY PLAN AND PROFILE



- 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 FOR PUBLIC WORKS CONSTRUCTION 1986 EDITION AS AMENDED WITH UPDATE NO. 7, INCLUDING AMENDMENT #1.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM DELAY.
 - TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE @ 260-1990 FOR LOCATION OF EXISTING UTILITIES.
 - WARNING - THE ENGINEER HAS UNDERTAKEN NO VERIFICATION OF THE EXISTENCE, LOCATION, SIZE, DEPTH, OR TYPE OF UNDERGROUND UTILITY WITHIN THE CONSTRUCTION AREA AND MAKES NO REPRESENTATION PERTAINING TO THESE UTILITIES. THE UTILITIES THAT HAVE BEEN SHOWN ARE BASED ON AVAILABLE INFORMATION FROM THE OWNER, UTILITY COMPANIES, GOVERNING AGENCY, OR OTHERS. THIS INFORMATION MAY BE INCOMPLETE, INACCURATE, OR OBSOLETE. THE CONTRACTOR SHALL CONTACT THE LINE LOCATION SERVICE AT 260-1990 AT LEAST TWO (2) FULL WORKING DAYS PRIOR TO START OF CONSTRUCTION TO HAVE THE UTILITIES SPOTTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING THE EXISTING UTILITIES THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY UTILITIES DAMAGED DURING CONSTRUCTION TO THE SATISFACTION OF THE GOVERNING AUTHORITIES HAVING JURISDICTION OVER THE UTILITY THAT HAS BEEN DAMAGED.
 - TRAFFIC CONTROL: 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. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING AT NO ADDITIONAL COST TO THE OWNER.
 - 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.
 - THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL EXISTING MONUMENTATION CONTROLS. IN THE EVENT OF INADVERTENT DESTRUCTION OR ALTERATION THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE CITY CHIEF SURVEYOR.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
 - RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION WILL BE IDENTIFIED AS PART OF THE FINAL INSPECTION.
 - CONTRACTOR SHALL COORDINATE WITH THE ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY DIVISION (857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION SEVEN (7) DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
- THE FOLLOWING NOTES APPLY WHEN CHECKED**
- ☒ ALL UTILITIES AND UTILITY SERVICE LINE SHALL BE INSTALLED PRIOR TO PAVING.
 - ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
 - ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
 - ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITH THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
 - ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
 - ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

PLANS CHECKING OFFICE
924-3611
APPROVED/DISAPPROVED
HYDRAULIC(S) ONLY
Fall 12/15/07
SIGNATURE & DATE

MILLER ENGINEERING CONSULTANTS
Engineers - Planners
3500 COMANCHE BLVD NE
BUILDING F
ALBUQUERQUE, NM 87107
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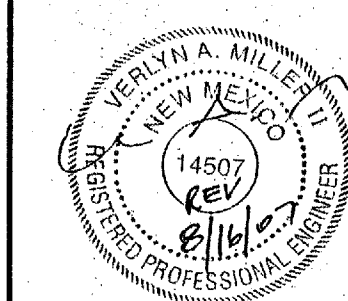
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	<i>A. Woodall</i>	1-16-08	APPROVED FOR CONSTRUCTION <i>R. P. D.</i> 3-07-08 City Engineer Date		
		Transportation	<i>Woodall</i>	12-19-07			
		Water/Wastewater	<i>Woodall</i>	12-19-07			
		Hydrology	<i>Bradley A. Bigham</i>	12-16-07			
		C.I.P.	<i>---</i>				
		Constr. Mngmt.	<i>---</i>				
		Constr. Coord.	<i>---</i>				
City Project No.		554482			Sheet 1 Of 4		



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ARCHITECT

CONSULTANT



PROJECT TITLE

**DIRECT WATER
AND POWER**

**POWER-FAB
BUILDING**

**ALBUQUERQUE
NEW MEXICO**

**GRADING AND
DRAINAGE PLAN
SHEET 1**

REVISIONS:

MK DATE DESCRIPTION
DRAWN BY: CHECKED BY:

PROJECT NUMBER:
A 0630

DATE:
NOVEMBER 28, 2006

SHEET TITLE:

SHEET NO:

C-1
SHEET 2 OF 4

PROJECT 554482 2044

GENERAL NOTES:

- BEARINGS ARE GRID BASED ON NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27 DATUM. BASIS OF BEARINGS IS PER COMANCHE BUSINESS PARK, FILED ON APRIL 16, 2002 IN BOOK 2002C, PAGE 127.
- COORDINATES ARE GROUND/PROJECT VALUES BASED ON NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27 DATUM.
- THE BASIS OF ELEVATIONS IS ACS BENCHMARK NDC 16-16. THE PUBLISHED ELEVATION OF WHICH IS 5111.10 AND IS LOCATED AT THE COMANCHE BRIDGE OVER THE A.M.A.F.C.A. NORTH DIVERSION CHANNEL.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES DURING THE CONSTRUCTION PHASE.
- THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- CONTRACTOR SHALL OBTAIN A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO ANY GRADING OR CONSTRUCTION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OR EXISTING UTILITIES.
- BACKFILL AND COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER(S) OF THE PROPERTY SERVED.
- ALL CONCRETE SHALL BE A MINIMUM OF 3000 P.S.I.
- ALL EXISTING TOPOGRAPHIC DATA SHOWN ON THESE PLANS HAS BEEN PROVIDED BY SOUTHWEST SURVEYING COMPANY. MILLER ENGINEERING CONSULTANTS HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION.
- THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- THE SUBJECT PROPERTY IS LOCATED WITHIN ZONE X. DESIGNATING AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLANE ACCORDING TO THE FLOOD INSURANCE RATE MAP, BERNALILLO COUNTY, NEW MEXICO AND INCORPORATED AREAS PER MAP NO 35001C0138E, EFFECTIVE DATE NOVEMBER 19, 2003.

SCALE: 1"=20'
CONTOUR INTERVAL=1

TRACT B-1-K-1
COMANCHE BUSINESS PARK
FILED SEPTEMBER 15, 1997
(VOLUME 97C, FOLIO 277)

SPECIAL ORDER 19 DRAINAGE FACILITIES WITHIN THE CITY RIGHT-OF-WAY NOTICE TO CONTRACTOR

- AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HERON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7 AMENDMENT 1.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- BACK FILL COMPACTION SHALL BE ACCORDING TO TRAFFIC / STREET USE.
- MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED.
- WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24 - HOUR BASIS.

LEGAL DESCRIPTION

TRACT LETTERED B-1-J-1-A PLAT OF COMANCHE BUSINESS PARK, ALBUQUERQUE, NEW MEXICO AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON APRIL 16, 2002 IN BOOK 2002C, PAGE 127.

DRAINAGE DATA

HYDROLOGY

Precipitation Zone 2 - 100-year Storm		P(360) = 2.35 in				P(1440) = 2.75 in			
		Land Treatment Factors				Land Treatment Factors			
Basin	Basin Area (Ac)	A	B	C	D	Ew (in)	V(100-6)	V(100-24)	Q(100) (cfs)
Existing Conditions									
Site	0.95	0.00	0.00	0.82	0.13	1.27	0.100	0.105	3.19
Proposed Conditions									
A	0.46	0.00	0.00	0.07	0.39	1.97	0.075	0.088	2.05
B	0.48	0.00	0.00	0.06	0.42	2.00	0.080	0.094	2.16
Total	0.94						0.155	0.182	4.22

HYDROLOGY

Precipitation Zone 2 - 10-year Storm		P(360) = 1.56 in				P(1440) = 1.83 in			
		Land Treatment Factors				Land Treatment Factors			
Basin	Basin Area (Ac)	A	B	C	D	Ew (in)	V(100-6)	V(100-24)	Q(100) (cfs)
Existing Conditions									
Site	0.95	0.00	0.00	0.82	0.13	0.63	0.050	0.053	1.81
Proposed Conditions									
A	0.46	0.00	0.00	0.07	0.39	1.22	0.047	0.055	1.34
B	0.48	0.00	0.00	0.06	0.42	1.24	0.050	0.059	1.42
Total	0.94						0.096	0.114	2.77

CONCLUSION

THE IMPERVIOUS AREAS FOR PROPOSED CONDITIONS IS APPROXIMATELY 86% OF THE TOTAL SITE AREA. BASIN A WILL FREE DISCHARGE INTO VASSAR AT THE NORTHWEST CORNER OF THE PROPERTY THROUGH THE PROPOSED DRIVEWAY. BASIN B WILL FREE DISCHARGE INTO A DROP INLET WHICH TIES INTO THE EXISTING 36" STORM DRAIN. THE INCREASED PEAK DISCHARGE FROM BASIN A & B DUE TO THE DEVELOPMENT IS ESTIMATED AT 1.03 CFS (0.07 A.F.).

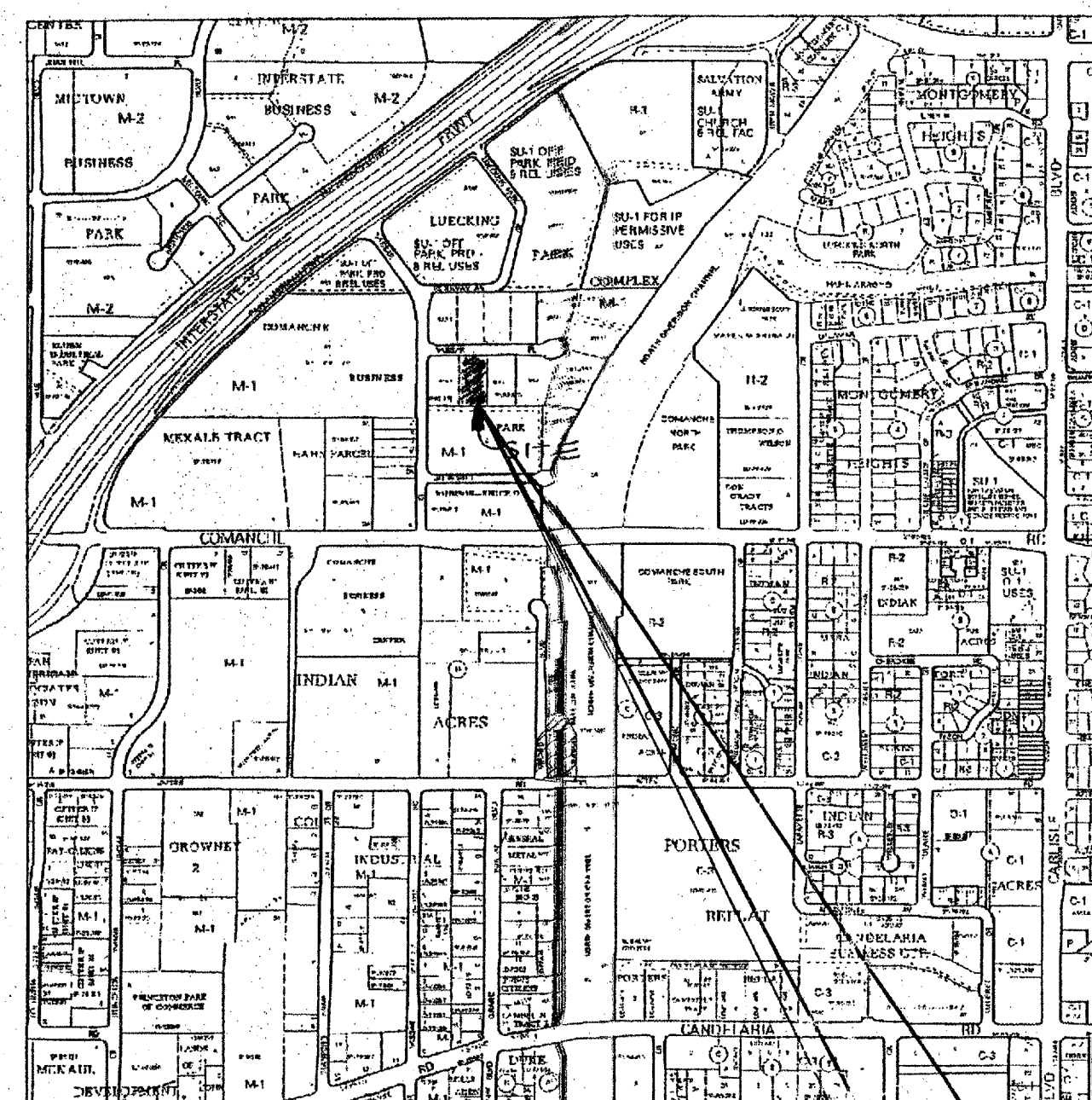
DRAINAGE BASIN MAP

FOR INFORMATION ONLY

APPROVAL	NAME	DATE
INSPECTOR		

HYDROLOGY

ME MILLER ENGINEERING CONSULTANTS
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3500 COMANCHE, NE
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VICINITY MAP
NO SCALE

EXISTING ON-SITE CONDITIONS

THE PROJECT SITE IS CURRENTLY UNDEVELOPED EXCEPT FOR A 20' STRIP OF ASPHALT ALONG THE WEST END. THE REMAINDER OF THE PROPERTY CONSISTS OF BARE LAND WITH SPARSE NATIVE VEGETATION. THE PROJECT SITE HAS A HIGH POINT ON SITE AND THE NORTH HALF OF THE SITE SLOPES VERY GRADUALLY FROM SOUTH TO THE NORTH INTO VASSAR PLACE AND THE SOUTH HALF OF THE SITE SLOPES FROM NORTH TO SOUTH INTO THE CONCRETE RUNDOWN LOCATED AT THE SOUTHWEST CORNER OF THE SITE. THE TOTAL AREA OF THE SITE IS 0.95 ACRES. THE EXISTING LAND TREATMENTS ARE CATEGORIZED AS: 0% A, 0% B, 86% C AND 14% D.

PROPOSED DEVELOPMENT

THE PROPOSED IMPROVEMENTS WILL CONSIST OF A NEW BUILDING THAT IS APPROXIMATELY 11,253 S.F. IN SIZE. THE TOTAL AREA OF THE PROPOSED IMPERVIOUS IMPROVEMENTS ARE ESTIMATED AT 35,284 S.F. THE PROPOSED PARKING LOT CONSIST OF A CONCRETE CURB AND GUTTER PERIMETER AND A NEW ASPHALT PAVED SURFACE WITH CONCRETE VALLEY GUTTER AS REQUIRED TO PROVIDE POSITIVE DRAINAGE IN THE PAVED AREA. THE SOUTH HALF OF THE PARKING LOT AREA WILL DRAIN SOUTH TO THE EXISTING PUBLIC DRAINAGE EASEMENT. THE NORTH HALF OF THE PARKING LOT AREA WILL DRAIN NORTH TO VASSAR PLACE N.E. THE SITE HAS BEEN DELINEATED INTO TWO DRAINAGE BASINS, A AND B. THE LAND TREATMENTS FOR BA AND B ARE PROVIDED IN THE HYDROLOGY TABLES BELOW.

STORM WATER ROUTING

STORM WATER FROM BASIN A FREE DISCHARGES TO VASSAR PLACE N.E. FROM DRIVEWAY ON THE SOUTHSIDE OF VASSAR PLACE. STORM WATER FOR BASIN B FREE DISCHARGES TO THE EXISTING CONCRETE RUNDOWN LOCATED ON THE SOUTHERN BOUNDARY OF THE PROPOSED PROPERTY INTO THE EXISTING 30" PUBLIC DRAINAGE EASEMENT.

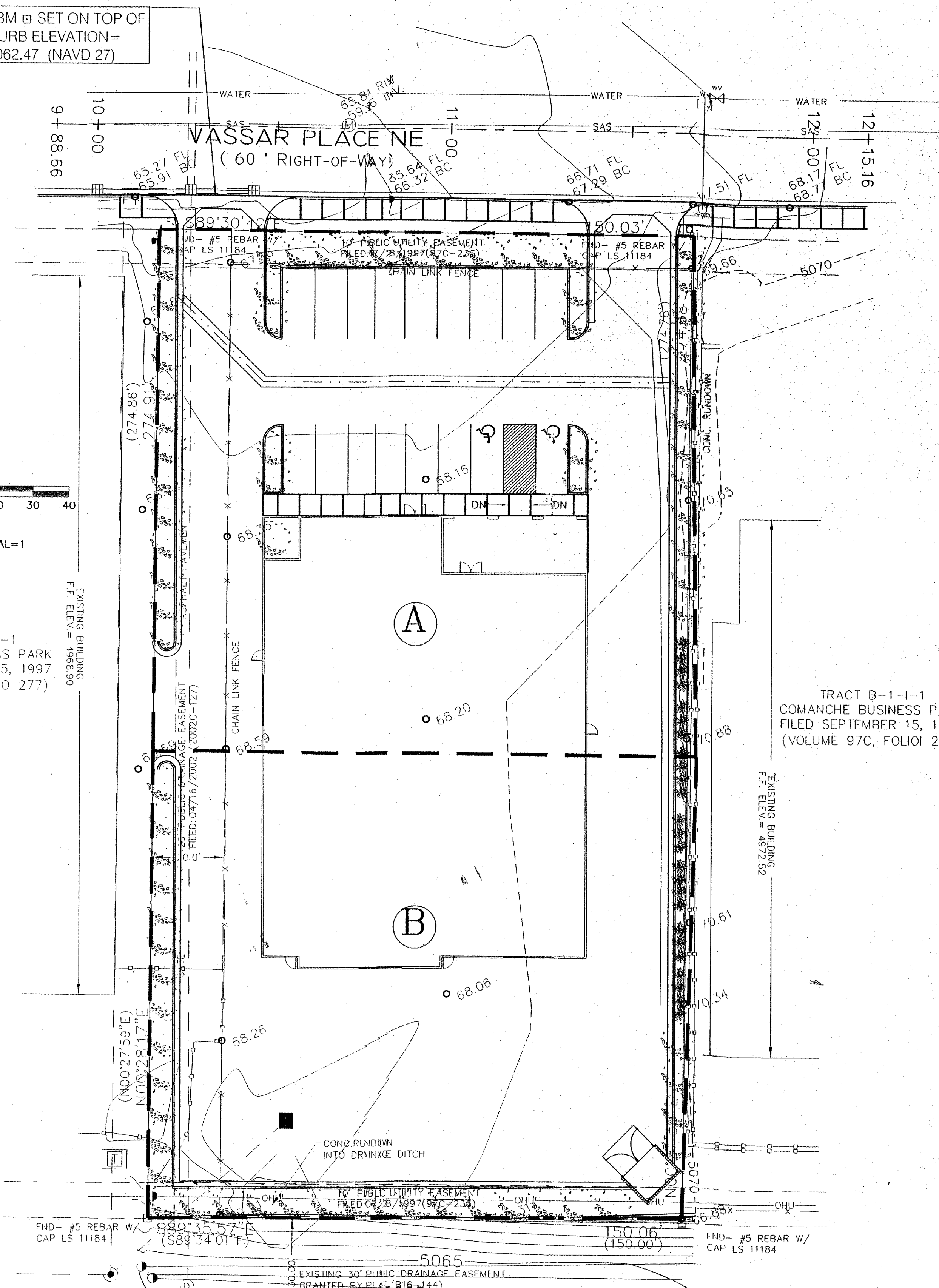
OFFSITE FLOWS

THIS PROJECT SITE DOES NOT RECEIVE ANY SIGNIFICANT OFFSITE FLOWS.

SITE

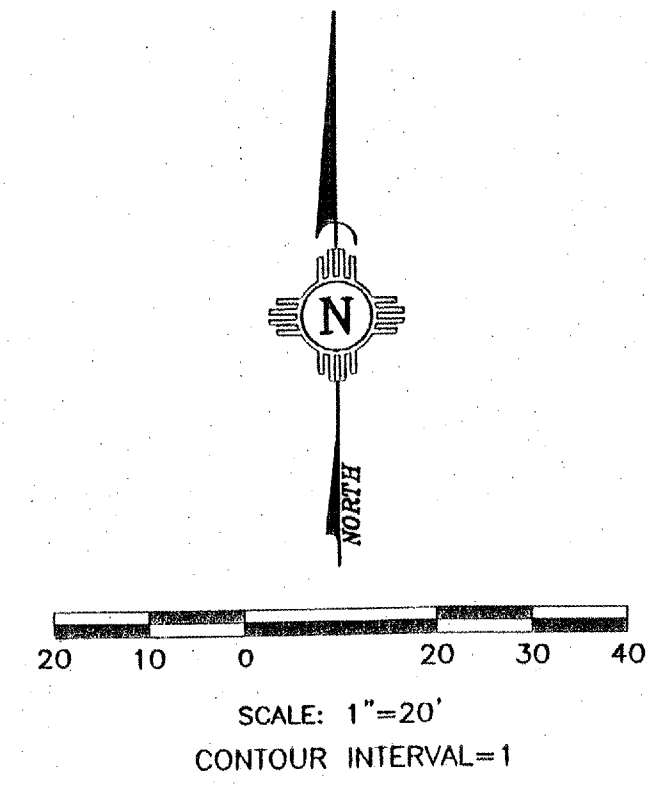


TBM SET ON TOP OF
CURB ELEVATION=
5062.47 (NAVD 27)



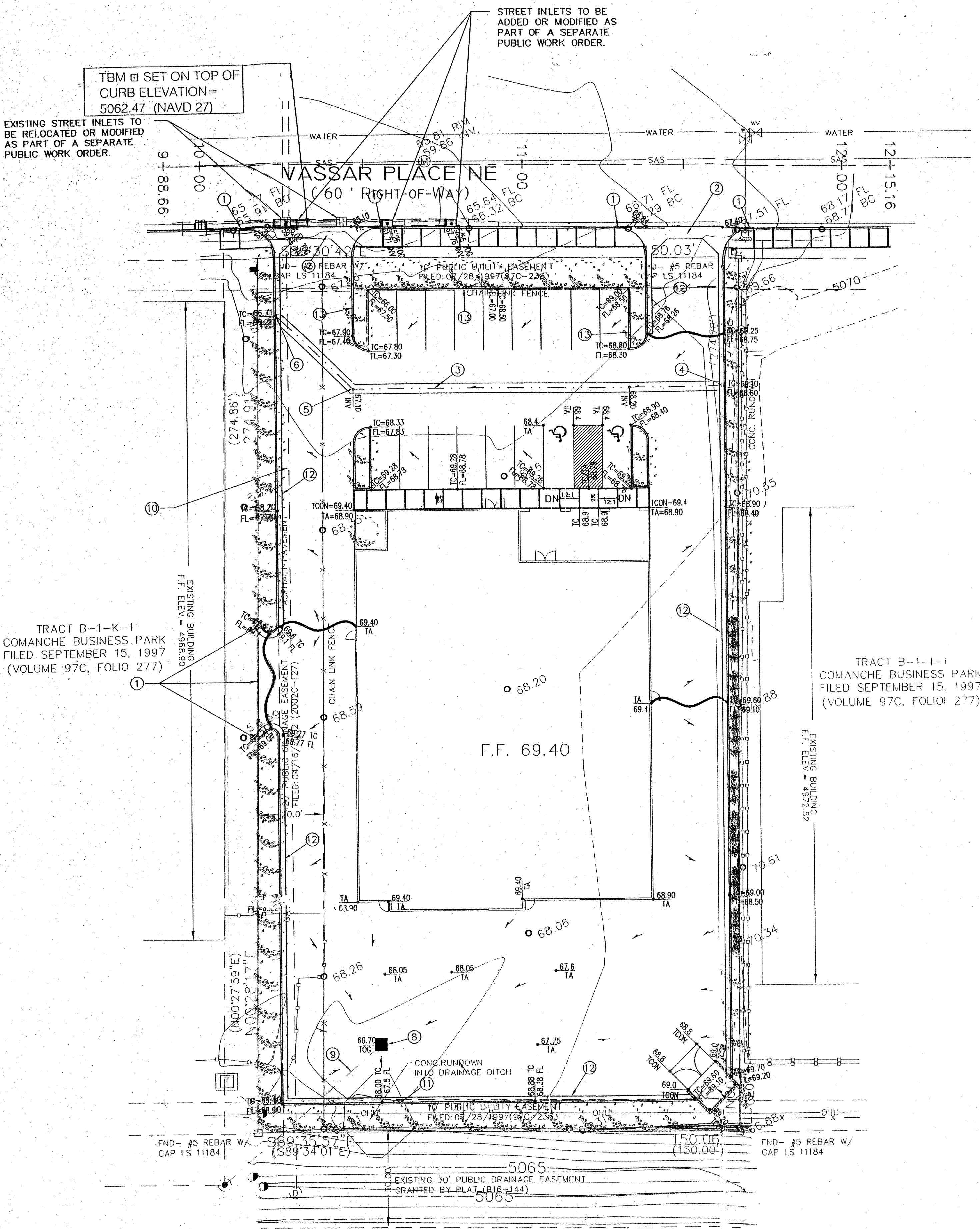
KEYED NOTES

- 1 MATCH EXISTING GRADE
- 2 NEW CONCRETE VALLEY GUTTER
SEE COA DRAWING 2420
MATCH EXISTING CURB AND GUTTER
FLOWLINE ON BOTH SIDES.
- 3 NEW 36" CONCRETE VALLEY GUTTER (145 L.F.)
SEE DETAIL SHEET C-3.
- 4 N: 4894.20
E: 5027.27
- 5 N: 4894.19
E: 4911.28
- 6 N: 4918.15
E: 4887.33
- 7 DELETED
- 8 NEW STORM INLET SINGLE "D", WITH STANDARD GRATE AS PER
COA DETAIL 2206.
CONNECT TO 18 EXISTING 36" SD LINE.
TOG=66.70
N=4689.49
E=4918.25
INV=56.59
CONTRACTOR TO FIELD VERIFY ELEVATION OF THE 36" STORM
DRAIN PIPE.
SEE DETAILS ON SHEET C-3
- 9 EXISTING 36" SD LINE.
- 10 EXISTING STORM DRAIN PIPE
- 11 SAWCUT EXISTING CONCRETE SPILLWAY TO A CLEAN STRAIGHT
EDGE, REMOVE & DISPOSE OF TO FACILITATE NEW CURB AND
GUTTER.
- 12 675' OF CURB AND GUTTER. SEE DETAIL ON SHEET C-3.
- 13 300' OF HEADER CURB. SEE DETAIL ON SHEET C-3.



LEGEND

- SAS — NEW SAS
- - - - - EXISTING SD
- - - - - FLOW LINE
- ~ HIGH POINT / WATER BLOCK
- TA TOP OF ASPHALT
- TC TOP OF CURB
- TCON TOP OF CONCRETE
- INV INVERT
- FL FLOWLINE
- IA SPOT ELEVATION
- 69.4 FLOW ARROW
- F.F. FINISH FLOOR
- TG TOP OF GROUND
- TOG TOP OF GRATE



FOR INFORMATION ONLY

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ARCHITECT

CONSULTANT

PROJECT TITLE

DIRECT WATER AND POWER

POWER-FAB BUILDING

ALBUQUERQUE NEW MEXICO

GRADING AND DRAINAGE PLAN SHEET 2

REVISIONS:

MK	DATE	DESCRIPTION

DRAWN BY: CHECKED BY:

PROJECT NUMBER:
A 0630

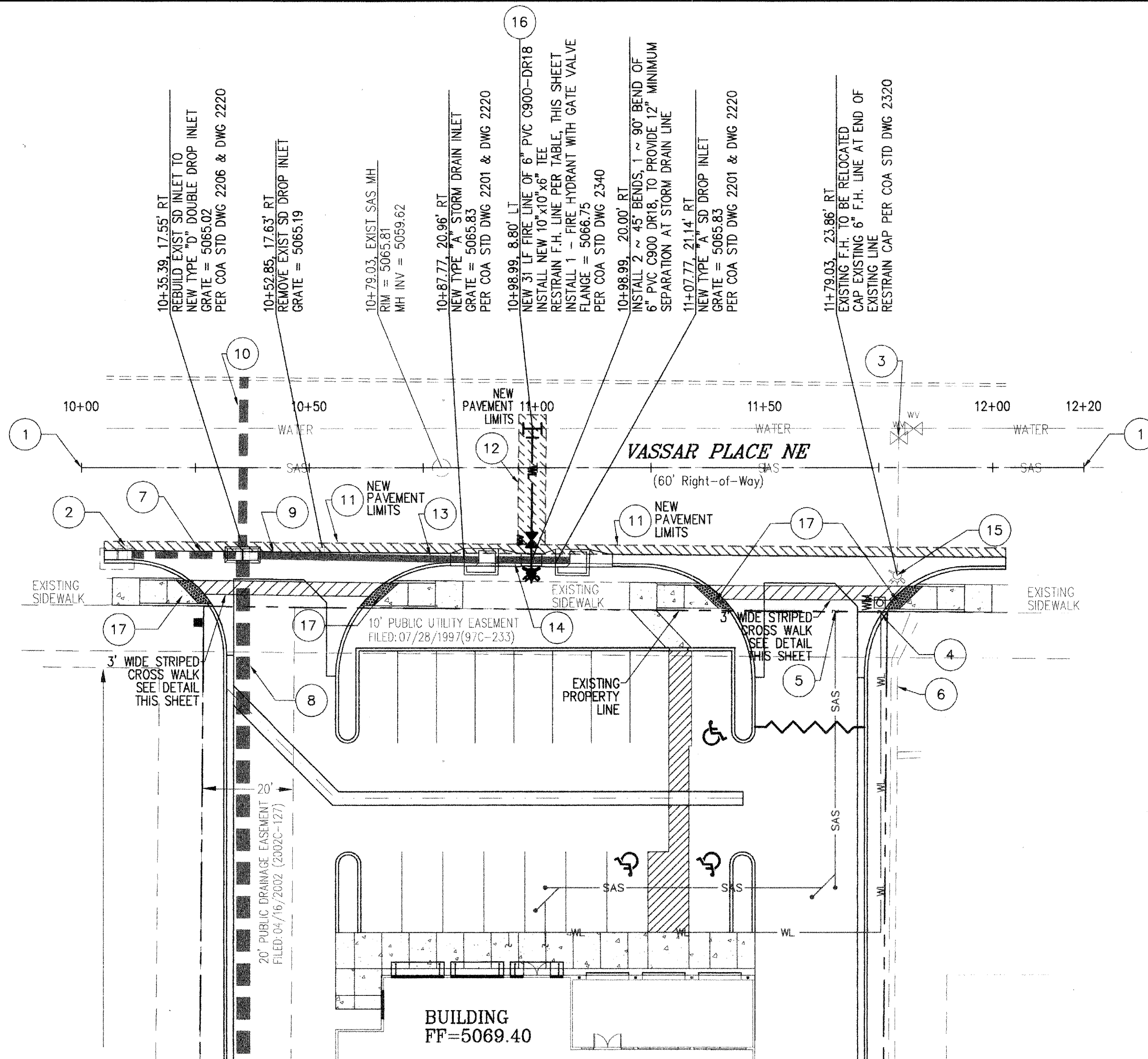
DATE:
NOVEMBER 28, 2006

SHEET TITLE:

SHEET NO:
C-2
SHEET 3 OF 4

RESTRAINED JOINT LENGTHS, L _T , FOR REDUCERS, (FT.) ALL JOINTS AT THE TEE MUST BE RESTRAINED		
SIZE	RUN	BRANCH
12x12x8	6	19
12x12x6	3	19
12x12x4	1	19
10x10x10	12	18
10x10x8	8	15
10x10x6	4	16
10x10x4	2	4
8x8x8	9	20
8x8x6	5	17
8x8x4	2	15
6x6x6	6	20
6x6x4	2	20

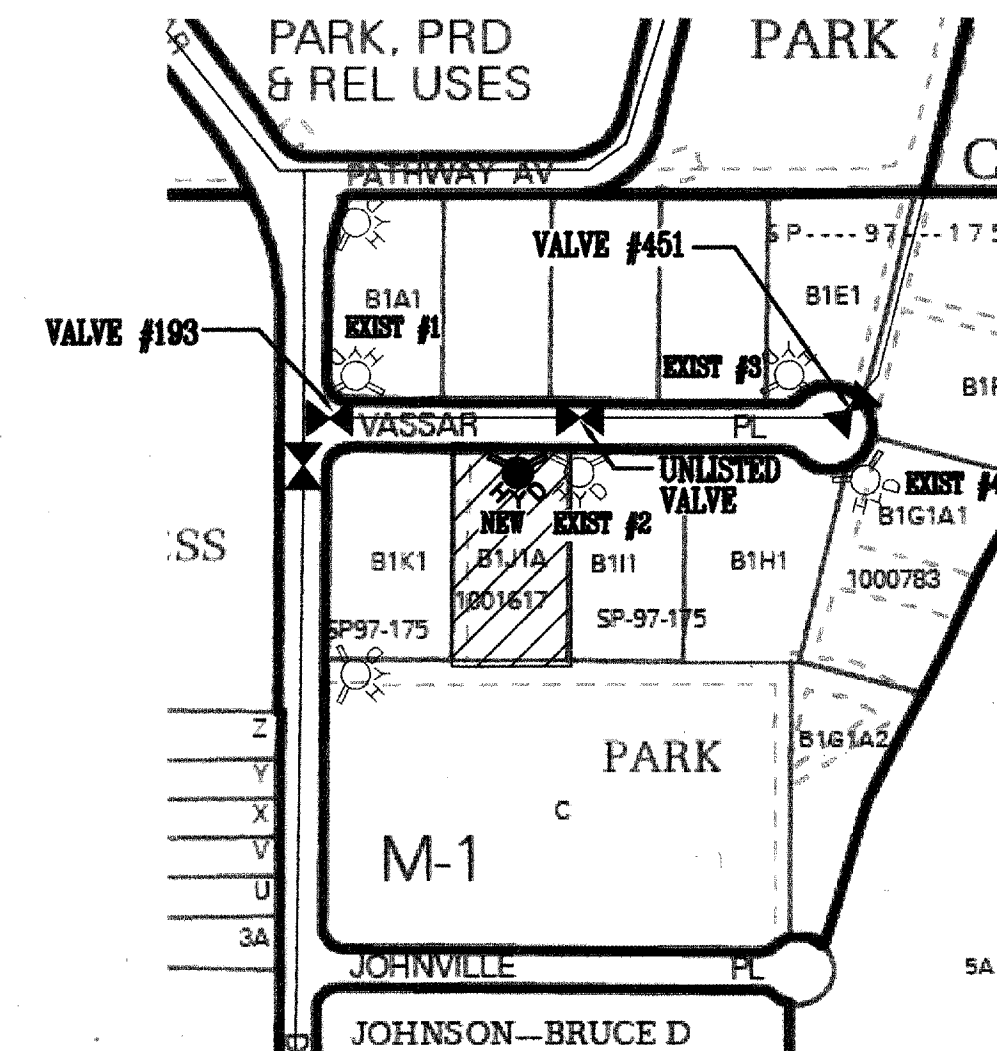
RESTRAINED JOINT LENGTHS, L _T , FOR HORIZONTAL BENDS, VALVES AND DEAD ENDS, (FT.)					
SIZE	HORIZONTAL BENDS				VALVES & DEAD ENDS
	90°	45°	22 1/2°	11 1/4°	
12	10	18	18	18	18
10	6	19	19	19	19
8	3	19	19	19	19
6	1	19	19	19	19
4	12	18	18	18	18



WATER SHUT-OFF PLAN

ONLY ABCWIA PERSONNEL ARE PERMITTED TO OPERATE ANY WATER VALVE PER NOTE #10 ON COVER SHEET.

1. SHUT OFF 10" WATER VALVE LOCATED AT END OF VASSAR PLACE CUL-DE-SAC. VALVE #451.
2. SHUT OFF 10" WATER VALVE LOCATED AT VASSAR DRIVE & VASSAR PLACE. VALVE #193.
3. SHUT OFF "UNLISTED" VALVE ON VASSAR PLACE AT STATION 11+80. (VALVE I.D. IS NOT AVAILABLE)
3. TURN ON SAME VALVES AFTER CONSTRUCTION IS COMPLETE AND APPROVED BY PROPER PERSONNEL.
4. SEE NOTE #3 OF THIS SHEET.



FIRE HYDRANT LOCATIONS

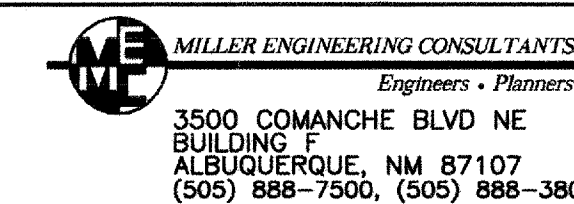
VASSAR PLACE N.E. IS 680 LF FROM INTERSECTION TO END OF CUL-DE-SAC. FOUR (4) FIRE HYDRANTS EXIST ON VASSAR PLACE. F.H. #2 AT STA. 11+79 WILL BE RELOCATED TO STA. 10+98. AFTER INSTALLATION; 211 LF WILL SEPARATE F.H. #1 & NEW F.H. AND 353 LF WILL SEPARATE NEW F.H. & F.H. #3.

KEYED NOTES

1. STATIONING AND ALIGNMENT ARE BASED ON CENTERLINE OF VASSAR PLACE.
BEGIN - STA. 10+00.00 N=4968.06
END - STA. 12+20.00 E=4855.45
E=4968.06
E=5075.45
2. EXISTING STORM DRAIN DROP INLET TO REMAIN.
3. EXISTING 6" GATE VALVE SUPPLYING FIRE HYDRANT TO BE RELOCATED, IS TO BE SHUT OFF PERMANENTLY. EXISTING GATE VALVE BOX COVER TO BE REMOVED AND ASPHALT OVER HOLE.
4. INSTALL NEW WATER METER BOX IN DRIVE PAD FOR EXISTING 3/4" DOMESTIC WATER LINE STUBBED AT PROPERTY LINE. WATER METER BOX PER COA STD DWG 2361, CASE 6.
5. EXISTING 4" SANITARY SEWER SERVICE LINE STUBBED AT PROPERTY LINE. INSTALL NEW E.M.D. AT END OF STUB.
6. EXISTING WALL.
7. EXISTING 18" RCP STORM PIPE TO REMAIN.
8. EXISTING 36" STORM PIPE TO REMAIN.
9. EXISTING 18" RCP STORM PIPE TO BE REMOVED AND DISPOSED.
10. EXISTING 24" RCP STORM PIPE TO REMAIN.
11. 2' WIDE x 198' LONG ASPHALT PAVEMENT CUT PER COA STD DWG 2465, (MAJOR LOCAL). PAVEMENT TO BE CUT IN A CLEAN MANNER, SUCH AS THE CUT TO BE PERPENDICULAR TO THE SURFACE OF THE ASPHALT. MATCH EXISTING.
12. 6' WIDE x 20' LONG ASPHALT PAVEMENT. UTILITY TRENCHING PER COA STD DWG 2465, (MAJOR LOCAL).
13. NEW 48.45 LF OF 18" RCP SD PIPE.
14. NEW 16.33 LF OF 18" RCP SD PIPE.
15. REMOVE AND RELOCATE FIRE HYDRANT, CAP EXISTING FIRE LINE AND PLACE CONCRETE BLOCKING PER COA 2320.
16. INSTALL 10"x10"x6" TEE ON EXISTING 10" WATER MAIN, RESTRAIN JOINT PER TABLE, THIS SHEET.
17. ALL HANDICAP RAMPS, 6' VALLEY GUTTERS AND SIDEWALKS TO BE BUILT WITH BUILDING PERMIT.

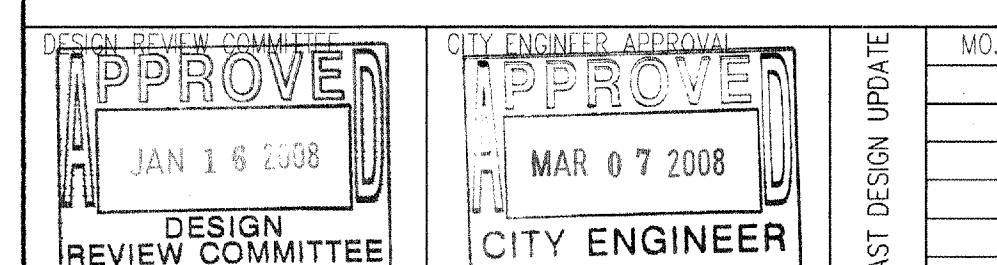
LEGEND

---	NEW CURB & GUTTER
---	EXIST WATER LINE
---	EXIST SANITARY SEWER
---	EXISTING SD
---	NEW WATER LINE
---	NEW SANITARY SEWER
---	NEW STORM DRAIN
---	FLOW LINE
---	HIGH POINT / WATER BLOCK
TA	TOP OF ASPHALT
TC	TOP OF CURB
TCON	TOP OF CONCRETE
INV	INVERT
FL	FLOWLINE
ELEV	SPOT ELEVATION
→	FLOW ARROW
F.F.	FINISH FLOOR
TG	TOP OF GROUND
TOG	TOP OF GRATE



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIRECT WATER & POWER
UTILITY PLAN & PROFILE



CITY PROJECT NO. 554482 ZONE MAP NO. G-16-Z SHEET 4 OF 4

VASSAR PLACE

