

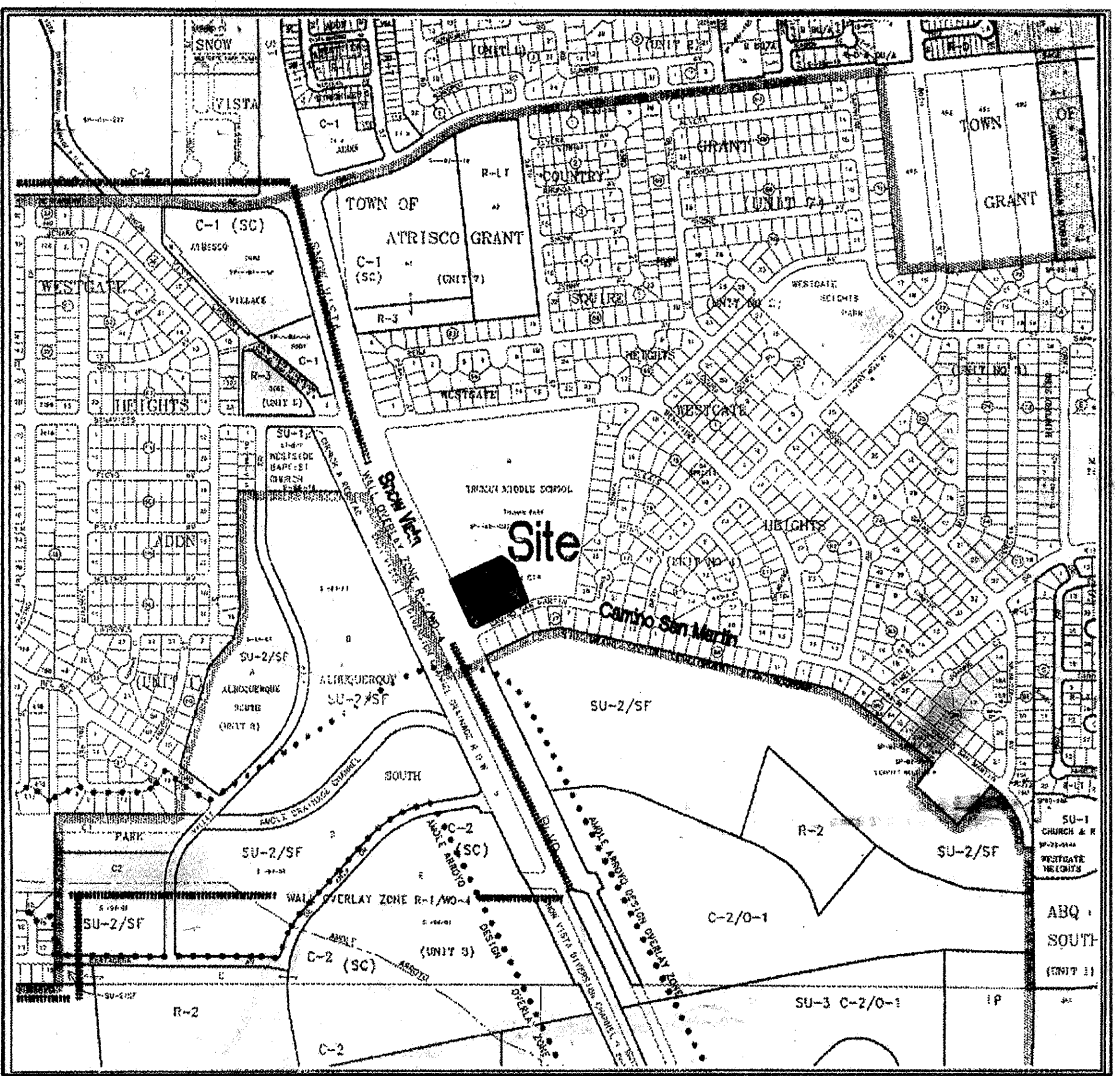
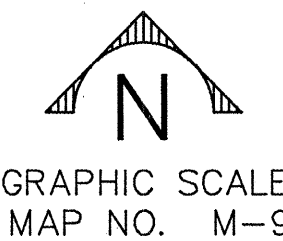
CITY OF ALBUQUERQUE  
PARKS AND RECREATION DEPARTMENT

TRUMAN MIDDLE SCHOOL BASKETBALL COURT  
WESTGATE C.C. AQUATIC PLAYGROUND  
1400 Snow Vista Boulevard SW

SHEET INDEX

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VICINITY MAP



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11-27-00

PROJECT NUMBER 650791

SHEET 1 OF 18



Design Notes: N:\PROJECTS\070101\070101.DWG  
Scale: 1/8" = 1'-0" (1/4" = 1'-0")  
Date: 11-27-00

- 1 FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR WILL SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE CITY CONSTRUCTION COORDINATION DIVISION. TWO (2) DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF SPECIFICATIONS.
- 2 THE CONTRACTOR WILL NOTIFY THE FIELD ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK, IN ORDER THAT THE FIELD ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR WILL NOTIFY THE ENGINEER IF A MONUMENT IS DISTURBED. REPLACEMENT WILL 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 WILL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4 OF SPECIFICATIONS.
- 3 THE SPECIFICATIONS USED FOR THIS PROJECT ARE THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1994 EDITION, UPDATE NO.6.
- 4 ALL NEW MANHOLES SHALL BE TYPE "E" (COA DWG. 2102) UNLESS OTHERWISE NOTED ON THE PLANS.
- 5 THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DERRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.
- 6 ALL WATER VALVE BOXES AND MANHOLES IN THE STREET CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.
- 7 SUBGRADE PREPARATION UNDER SIDEWALKS AND DRIVE PADS, AND SUBGRADE AND SUBBASE PREPARATION UNDER CURB AND GUTTER IS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH, AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.
- 8 THE WATER SYSTEMS DIVISION (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF SPECIFICATIONS.
- 9 ALL EXCAVATION WILL BE GOVERNED BY FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 10 ALL SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
- 11 THE CONTRACTOR IS TO EXERCISE CARE TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT WILL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION. SEE SECTION 18 "UTILITIES", CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS.
- 12 WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES AND REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.
- 13 ALL GAS VALVES, GAS MANHOLES, ELECTRICAL MANHOLES, TELEPHONE MANHOLES, AND UTILITY POLES WILL BE ADJUSTED TO GRADE BY EACH UTILITY COMPANY. CONTRACTOR WILL COORDINATE THROUGH CITY UTILITY COORDINATOR.
- 14 WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST SUITABLE JOINT UNLESS OTHERWISE DIRECTED BY THE CITY FIELD ENGINEER.
- 15 THE CONTRACTOR WILL NOTIFY THE UTILITY COMPANIES BY CALLING NEW MEXICO ONE CALL SYSTEM 260-1990 TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK IN NEW AREAS.
- 16 CONTRACTOR WILL MAKE ALL WATER VALVES AND MANHOLES ACCESSIBLE TO THE CITY AT ALL TIMES.
- 17 CONTRACTOR WILL PLACE BITUMINOUS MATERIAL WITH THE USE OF A LAYDOWN MACHINE WHERE PAVEMENT IS 8 FEET IN WIDTH OR WIDER.
- 18 ALL SUBGRADE AND SUBBASE MATERIAL ENCOUNTERED IN PAVEMENT REMOVAL AND REPLACEMENT THAT IS DETERMINED BY THE FIELD ENGINEER TO MEET THE SPECIFICATIONS, CAN BE REUSED. HOWEVER, THE MATERIAL WILL BE PROCESSED AND COMPACTED TO MEET MOISTURE CONTENT AND PERCENT COMPACTION REQUIRED BY THE SPECIFICATIONS.
- 19 CONTRACTOR WILL NOT PAVE OVER ANY SURFACE FEATURE, I.E., GAS VALVE, MANHOLE COVER, ETC. WITHOUT PRIOR APPROVAL FROM THE CITY FIELD ENGINEER.
- 20 CONTRACTOR WILL CONFINE HIS WORK WITHIN THE CONSTRUCTION EASEMENT LIMITS AND/OR RIGHT-OF-WAY, OR PROVIDE COPIES OF AGREEMENTS WITH ADJACENT LANDOWNERS TO THE CITY OF ALBUQUERQUE.
- 21 ALL WATER VALVES AND FIRE HYDRANTS REMOVED TO BE SALVAGED AND RETURNED TO THE C.O.A.
- 22 MINIMUM BOTTOM WIDTH OF TRENCHES FOR RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 16 INCHES. BEDDING MATERIAL SHALL BE CLASS II, III, OR IV UNLESS OTHERWISE SPECIFICALLY NOTED ON THE PLANS.
- 23 MINIMUM BOTTOM WIDTH OF TRENCHES FOR NON-RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 12 INCHES. BEDDING MATERIAL SHALL BE CLASS I, II, OR III.
- 24 THE CONTRACTOR AGREES TO TAKE NECESSARY SAFETY PRECAUTIONS AS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE CONSTRUCTION AREA, WHICH INCLUDE BUT ARE NOT LIMITED TO: MAINTAINING ADEQUATE WARNING SIGNS, BARRICADES, LIGHTS, GUARD FENCES, WALKS AND BRIDGES.
- 25 ALL STRUCTURAL CONCRETE TO BE 4000 PSI UNLESS OTHERWISE NOTED ON PLANS.
- 26 ALL REINFORCING STEEL TO BE GRADE 60.
- 27 ALL EXPOSED EDGES ON CAST-IN-PLACE CONCRETE STRUCTURES WILL HAVE A 1" CHAMFER UNLESS OTHERWISE NOTED.
- 28 ALL SPLICES IN REINFORCING STEEL TO BE 2-FOOT 6-INCH MINIMUM UNLESS OTHERWISE NOTED.

- 29 PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL CONFLICTING UTILITIES. SHOULD A CONFLICT EXIST BETWEEN THE FIELD INFORMATION AND THE PLANS, THE CONTRACTOR WILL NOTIFY THE CITY FIELD ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- 30 THE REPLACEMENT OF THE EXISTING UTILITIES AND THE INSTALLATION OF NEW UTILITY LINES WILL BE COMPLETED IN ADVANCE OF STARTING THE PAVEMENT WORK. TEMPORARY PAVEMENT WILL BE PLACED IN ALL TRENCHES REQUIRED FOR THE UTILITY REPLACEMENTS IN THOSE AREAS THAT MUST MAINTAIN TRAFFIC UNTIL THE FINAL PAVEMENT WORK STARTS IN EACH AREA. TEMPORARY STRIPING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. MAINTENANCE OF THE TEMPORARY PAVING AND STRIPING WILL BE AT THE CONTRACTOR'S EXPENSE.
- 31 TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE CITY FIELD ENGINEER.
- 32 THE CONTRACTOR WILL CONTACT THE CITY OF ALBUQUERQUE TRAFFIC DIVISION 764-1599, ONE (1) WEEK IN ADVANCE OF ANY CHANGES REQUIRED IN THE TRAFFIC SIGNALIZATION OF THIS PROJECT. ALL WORK ASSOCIATED WITH NEW TRAFFIC SIGNALIZATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 33 ALL NEW STREET PAVING, DRIVEWAYS, SIDEWALKS, AND CURB AND GUTTERS, ABUTTING EXISTING AREAS SHALL MATCH THE ELEVATION OF THOSE AREAS.
- 34 PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. ROAD SHALL NOT BE OPENED TO 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.
- 35 ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED MUST BE REMOVED FROM THE PROJECT AREA WITHIN FOUR DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE CITY FIELD ENGINEER.
- 36 THE CONTRACTOR WILL COORDINATE THE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS. A CONTRACT EXTENSION MAY BE ALLOWED AS DELINEATED IN CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.
- 37 ALL CONSTRUCTION EASEMENTS ON PRIVATE PROPERTY WILL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.
- 38 EXISTING MEDIAN CURB AND GUTTER AND STANDARD CURB AND GUTTER, NOT DISTURBED BY CONTRACTOR, BUT OUT OF ALIGNMENT, DISPLACED VERTICALLY, BADLY BROKEN AND/OR DETERIORATED, WILL BE REPLACED AS DIRECTED BY THE CITY FIELD ENGINEER AND PAID FOR AT CONTRACT UNIT PRICES.
- 39 ALL TRAFFIC CONTROL DEVICES REQUIRED FOR DRIVEWAY CLOSURES, UTILITY CONSTRUCTION OR FOR OTHER REASONS AND NOT SHOWN ON THE SIGNING PLANS WILL BE FURNISHED BY THE CONTRACTOR AND WILL BE PAID AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS AND BID PROPOSAL. PRIOR TO PLACING THE TRAFFIC CONTROL DEVICES, THE CONTRACTOR WILL NOTIFY THE AFFECTED OWNERS IN ACCORDANCE WITH THE SPECIFICATIONS. CONTRACTOR MUST MAKE PROVISIONS TO PROVIDE ACCESS TO PROPERTIES. REFER TO SECTION 19 OF THE SPECIFICATIONS.
- 40 ALL UTILITY LINES WHICH ARE NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS, WILL BE MAINTAINED IN SERVICE. SHORING, SHEETING AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS WILL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES WHICH CROSS THE TRENCH. ANY DAMAGE TO EXISTING UTILITIES WILL PROMPTLY BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL NOTIFY THE ENGINEER IMMEDIATELY OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER.
- 41 THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING COA INFRASTRUCTURE (C & G, PAVING, ETC.) DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND WILL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. HE WILL SUITABLY PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING THE TACK COAT APPLICATION AND WILL BE RESPONSIBLE FOR CLEANING SAME AT HIS OWN COST SHOULD SPLASHING OCCUR.
- 42 ALL INTERFERING PORTIONS OF ABANDONED UTILITY LINES WHICH ARE EXPOSED AS A RESULT OF CONSTRUCTION WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- 43 STATIONS OF STORM DRAIN INLETS ARE TO THE CENTER OF GRATE. ALL STORM DRAIN INLETS WILL BE TYPE "A" UNLESS OTHERWISE NOTED ON THE PLANS.
- 44 SHORING COSTS WILL BE CONSIDERED INCIDENTAL TO THE TRENCH AND BACKFILL COSTS.
- 45 THE CONTRACTOR WILL BE RESPONSIBLE FOR SECURING NPDES PERMITS REQUIRED BY APPLICABLE CITY, STATE, AND FEDERAL REGULATIONS.
- 46 ALL STORM DRAIN AND CONNECTOR PIPE WILL BE CLASS IV REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED ON THE PLANS.
- 47 THE TERM REMOVE USED IN THIS PLAN SET INCLUDES THE DISPOSAL OF SAID MATERIAL IN ACCORDANCE WITH CITY OF ALBUQUERQUE SPECIFICATIONS, LATEST EDITION.
- 48 CONTRACTOR WILL SURVEY AND LOG EXISTING ELEVATIONS OF CURB-AND-GUTTER, SIDEWALK, AND PAVEMENT WHICH WILL BE REMOVED FOR CONSTRUCTION OF IMPROVEMENTS. CONTRACTOR WILL REPLACE REMOVED CURB-AND-GUTTER, SIDEWALK, DRIVE PADS, AND PAVEMENT TO ELEVATIONS PRIOR TO REMOVAL UNLESS OTHERWISE INDICATED ON THE PLANS.
- 49 CONTRACTOR WILL CONSTRUCT TEMPORARY ASPHALT PAVEMENT AS DIRECTED BY THE COA ENGINEER TO PROVIDE ACCESS TO LOCAL BUSINESS, ETC. TEMPORARY PAVEMENT SHALL BE REMOVED AND DISPOSED OF PRIOR TO PLACEMENT OF FULL WIDTH PAVEMENT SECTION. TEMPORARY PAVING SHALL BE PER COA STD. DWG. 2415 AND PAID FOR PER COA STD. SPECIFICATIONS.

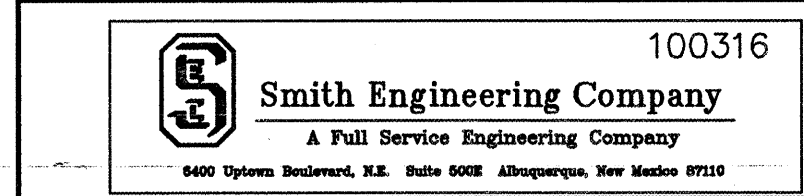
- 50 ALL CLASSES OF SEEDING SHALL BE DRY LAND MIX PLACED AT 1.5 LBS/1000 S.F. WITH FERTILIZER 21-12-12 PLACED AT 5 LBS/1000 S.F.
- 51 PRE-WETTING OF THE EMBANKMENT FOUNDATION AND KEY TRENCH SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE EMBANKMENT. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- 52 ALL ASPHALTIC CONCRETE SHALL BE MINIMUM 1800 LB. STABILITY AND COMPACTED TO 95% MODIFIED MARSHALL DENSITY UNLESS OTHERWISE NOTED ON THE PLANS.
- 53 ALL RIP-RAP MATERIAL USED ON THIS PROJECT SHALL BE A NATURAL ROCK MATERIAL CONFORMING TO THE SIZE AND MATERIAL PROPERTY REQUIREMENTS SET FORTH IN THE COA STANDARD SPECIFICATIONS. NO BROKEN CONCRETE OR RUBBLE WILL BE ACCEPTED.

## LEGEND:

- X—X— EXISTING CHAIN LINK FENCE
- OH/E--- EXISTING OVERHEAD ELECTRIC
- O— EXISTING SAS MANHOLE
- [ ]— NEW TEE MANHOLE
- [ ]— BORING
- [ ]— NEW PAVEMENT
- [ ]— EXISTING CONTOUR LINE
- 5460— EXISTING INDEX CONTOUR LINE
- [ ]— NEW STORM DRAIN
- [ ]— CENTERLINE
- [ ]— NEW CONCRETE SIDEWALK (4" THICK) AND CURB LINES
- [ ]— NEW CONCRETE SIDEWALKS AND CURB LINES 6" THICK TO ACCOMMODATE COA SERVICE VEHICLES INTO PARKS
- [ ]— HORIZONTAL AND VERTICAL CONTROL POINT
- [ ]— EXISTING UNDERGROUND TELEPHONE
- [ ]— EXISTING SAS FLOW ARROW
- [ ]— STORM DRAIN FLOW ARROW
- ESMNT— EASEMENT LINE
- [ ]— RIPRAP PROTECTION
- [ ]— NEW STORM DRAIN BEND
- [ ]— NEW STORM DRAIN WYE
- 3:1 SLOPE INDICATOR
- 84.3 EXISTING SPOT ELEVATION
- 84.33 NEW SPOT ELEVATION
- R/W— RIGHT OF WAY
- P— PROPERTY LINE
- 5460 NEW INDEX CONTOUR LINE
- [ ]— NEW CONTOUR LINE
- [ ]— PROPOSED DRAINAGE BASIN BORDER
- [ ]— DRAINAGE FLOW DIRECTION ARROW

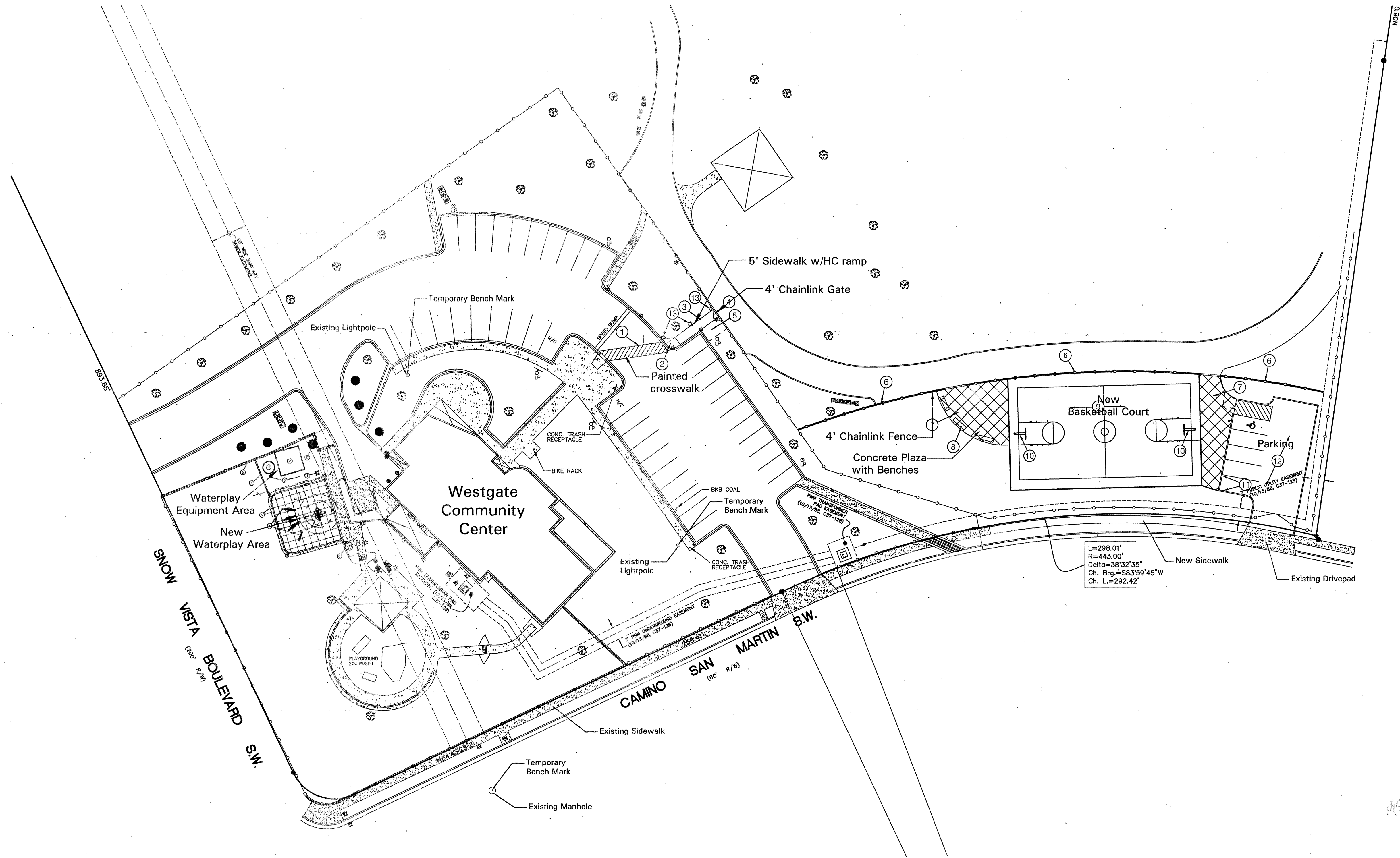


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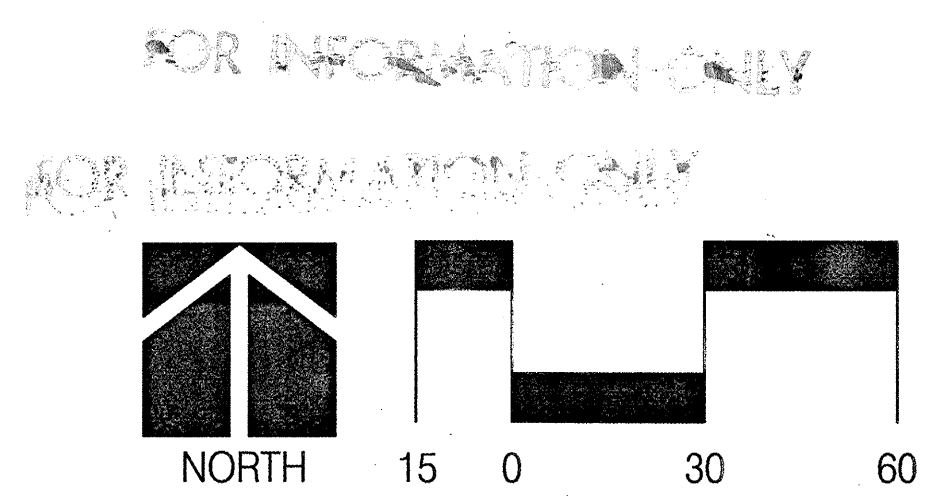


CITY OF ALBUQUERQUE PARKS AND RECREATION DEPARTMENT	
TITLE: WESTGATE C.C. AQUATIC PLAYGROUND	
GENERAL NOTES AND LEGEND	
Design Review Committee APPROVED FEB 12 2001 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED FEB 17 2001 CITY ENGINEER
City Project No. 650791	Zone Map No. M-9
Sheet 2 of 18	


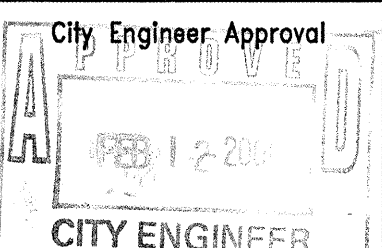




TEMPORARY BENCH MARKS  
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LIGHT POLE ON THE SW CORNER OF THE EXISTING PARKING LOT NEAR THE CAMINO SAN MARTIN DRIVEWAY N=1473637.19 E=354422.03 EL=5124.07  
LIGHT POLE ON THE SW CORNER OF THE EXISTING PARKING LOT NEAR THE SNOW VISTA DRIVEWAY N=1473729.58 E=354274.31 EL5125.46



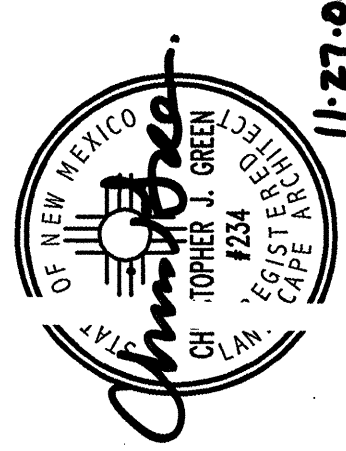
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CITY OF ALBUQUERQUE PARKS & RECREATION DEPARTMENT	
TITLE: WESTGATE C.C. AQUATIC PLAYGROUND OVERALL SITE PLAN	
Design Review Committee	City Engineer Approval
	
City Project No. 650791	Zone Map No. M-9
Sheet 3 of 18	

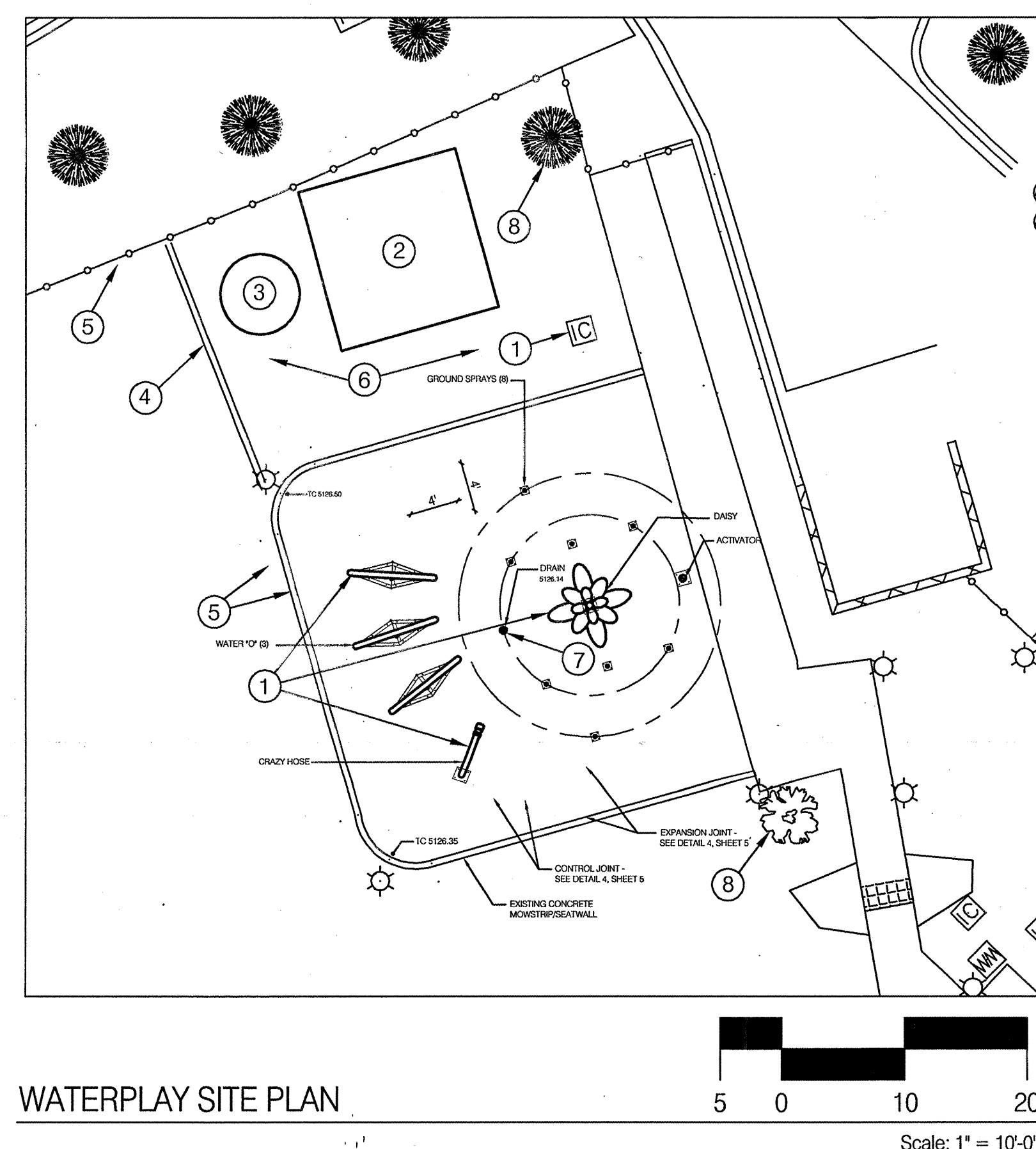
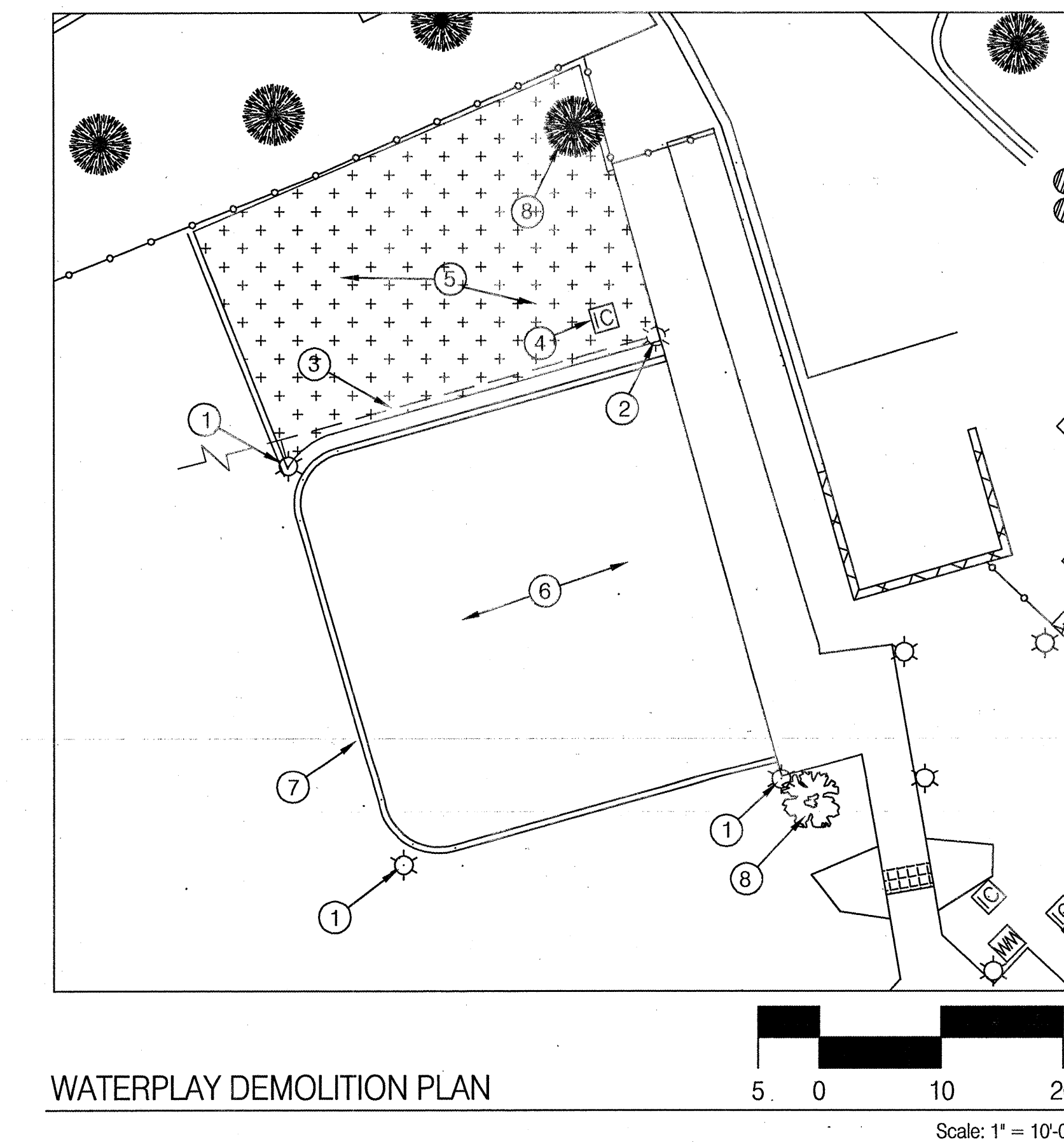
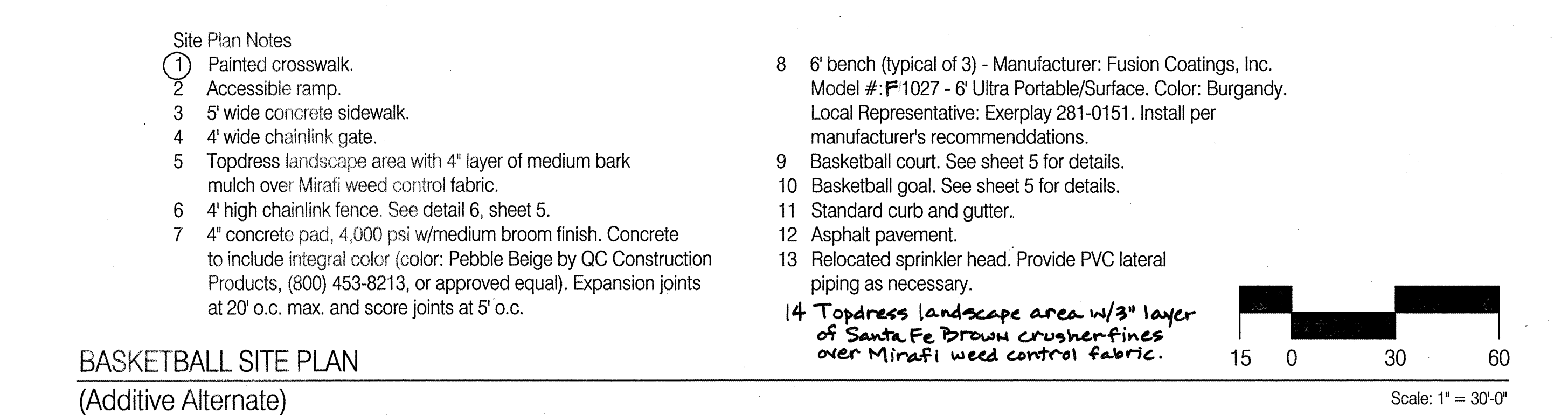
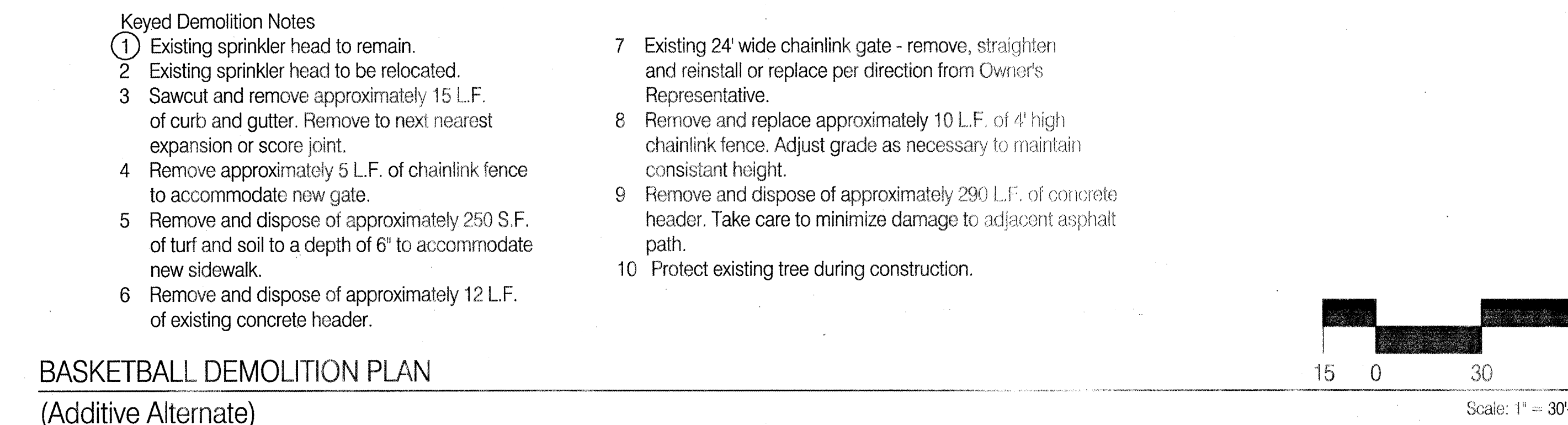
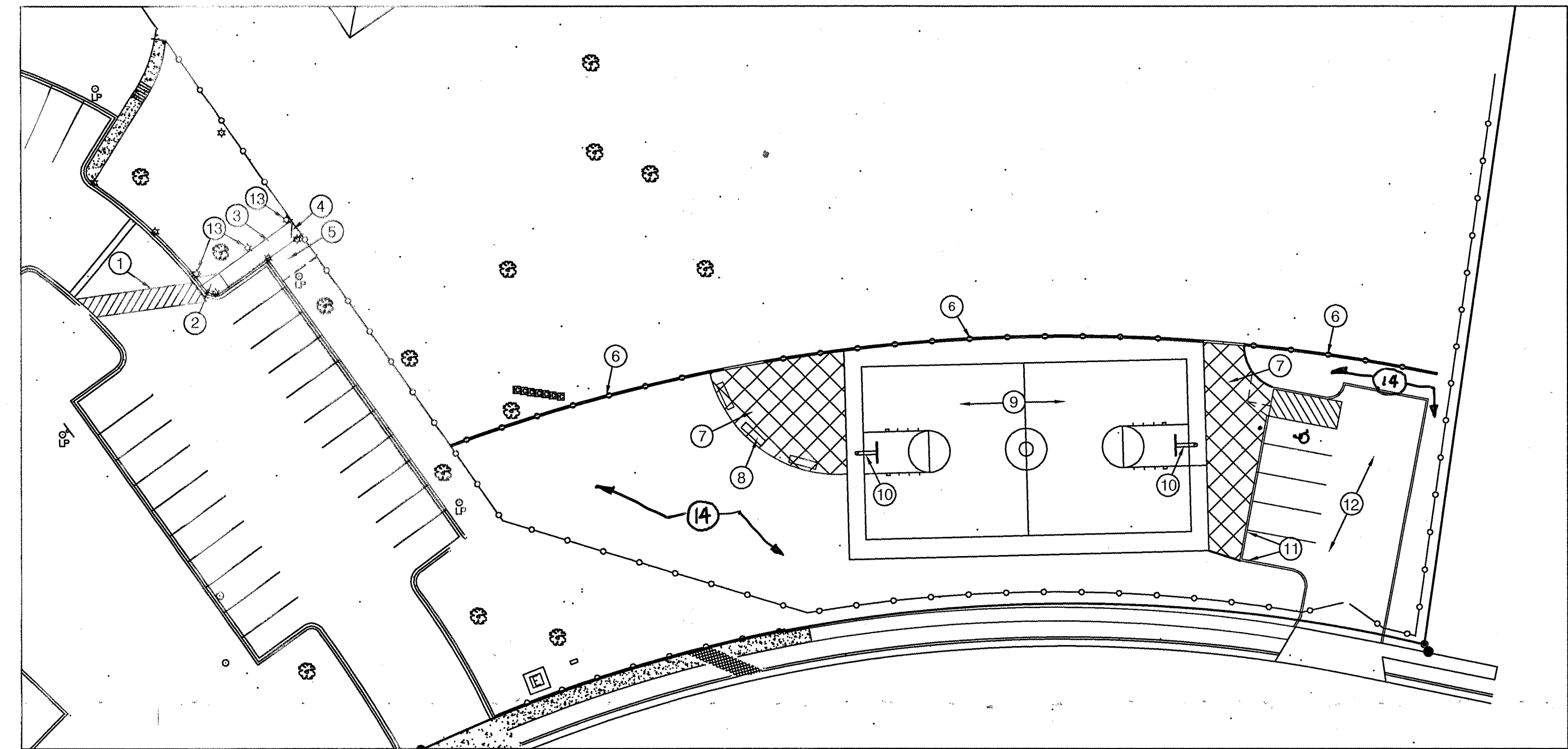
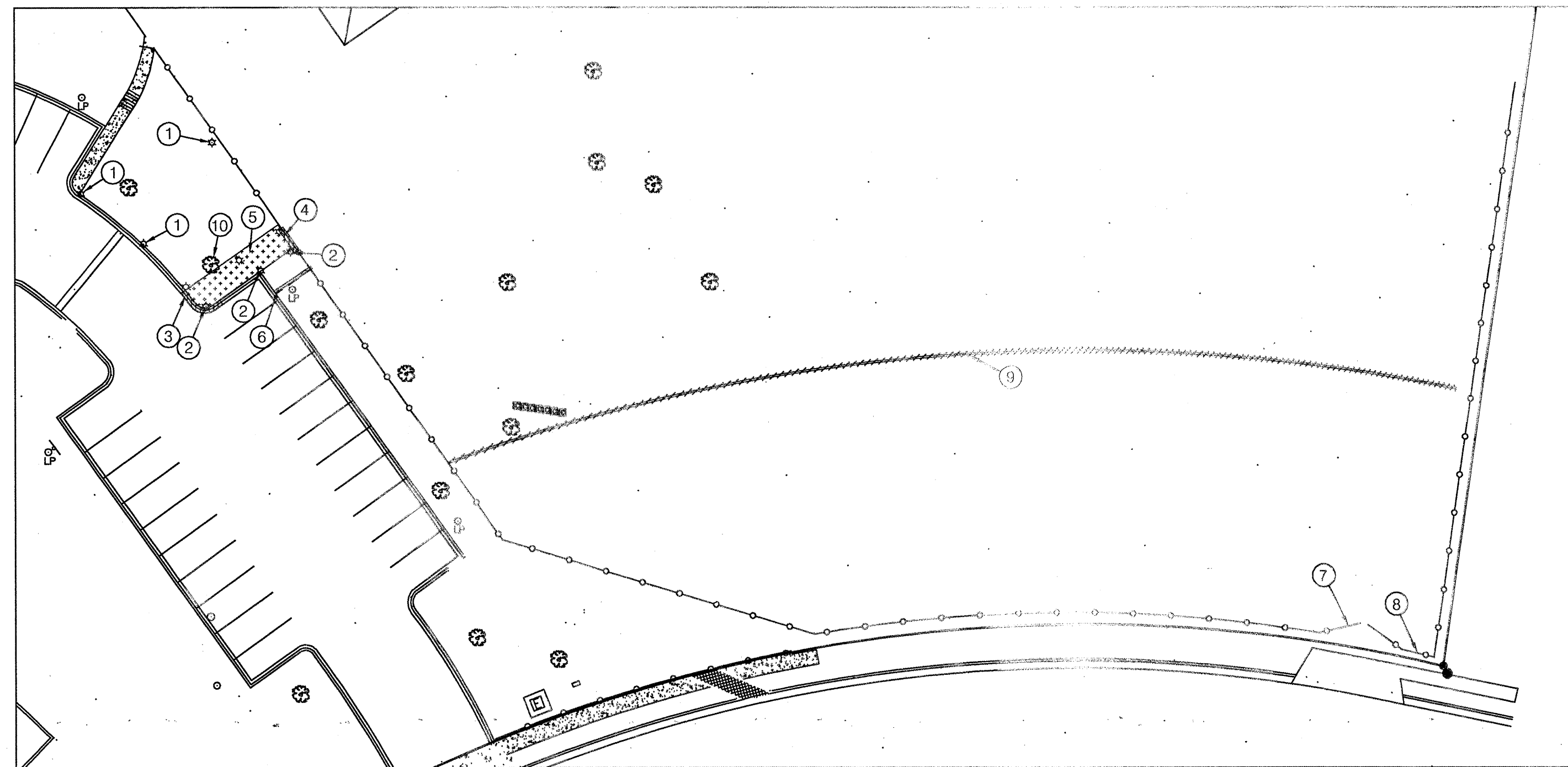
SURVEY INFORMATION		FIELD NOTES		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE				CONTRACTOR	
						WORK BY	DATE
						INSPECTOR'S ACCEPTANCE BY	DATE
						VERIFICATION BY	DATE
						DRAWINGS BY	DATE
						REVISIONS	
						MICRO-FILM INFORMATION	
						RECORDED BY	DATE
						NO.	

NO.	DATE	REMARKS
		DESIGN
DESIGNED BY	CG	DATE 11 0
DRAWN BY	WA	DATE 11 0
CHECKED BY	CG	DATE 11 0

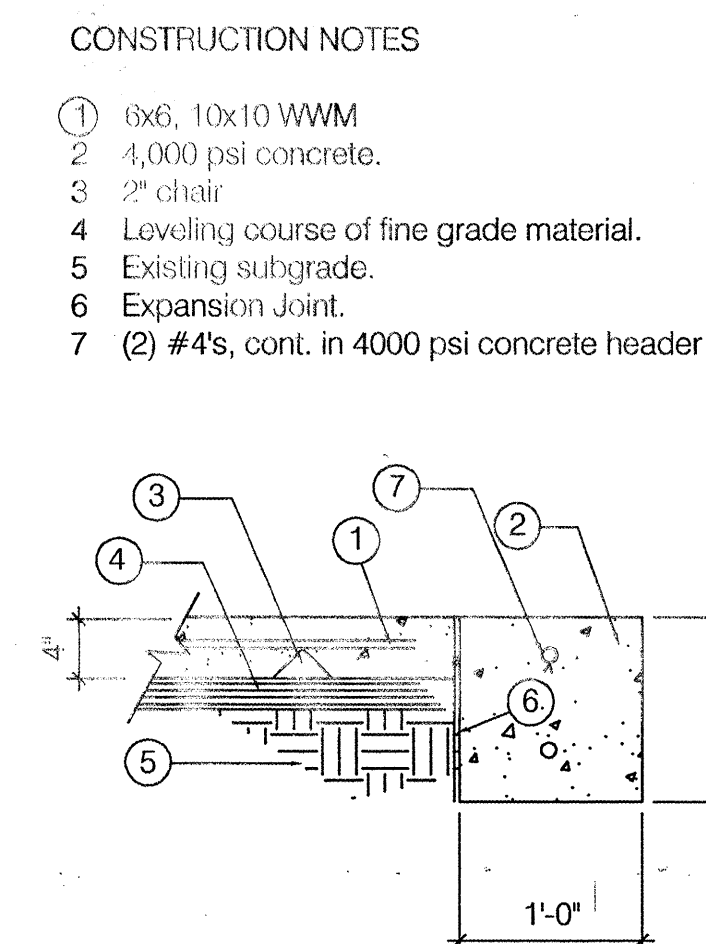
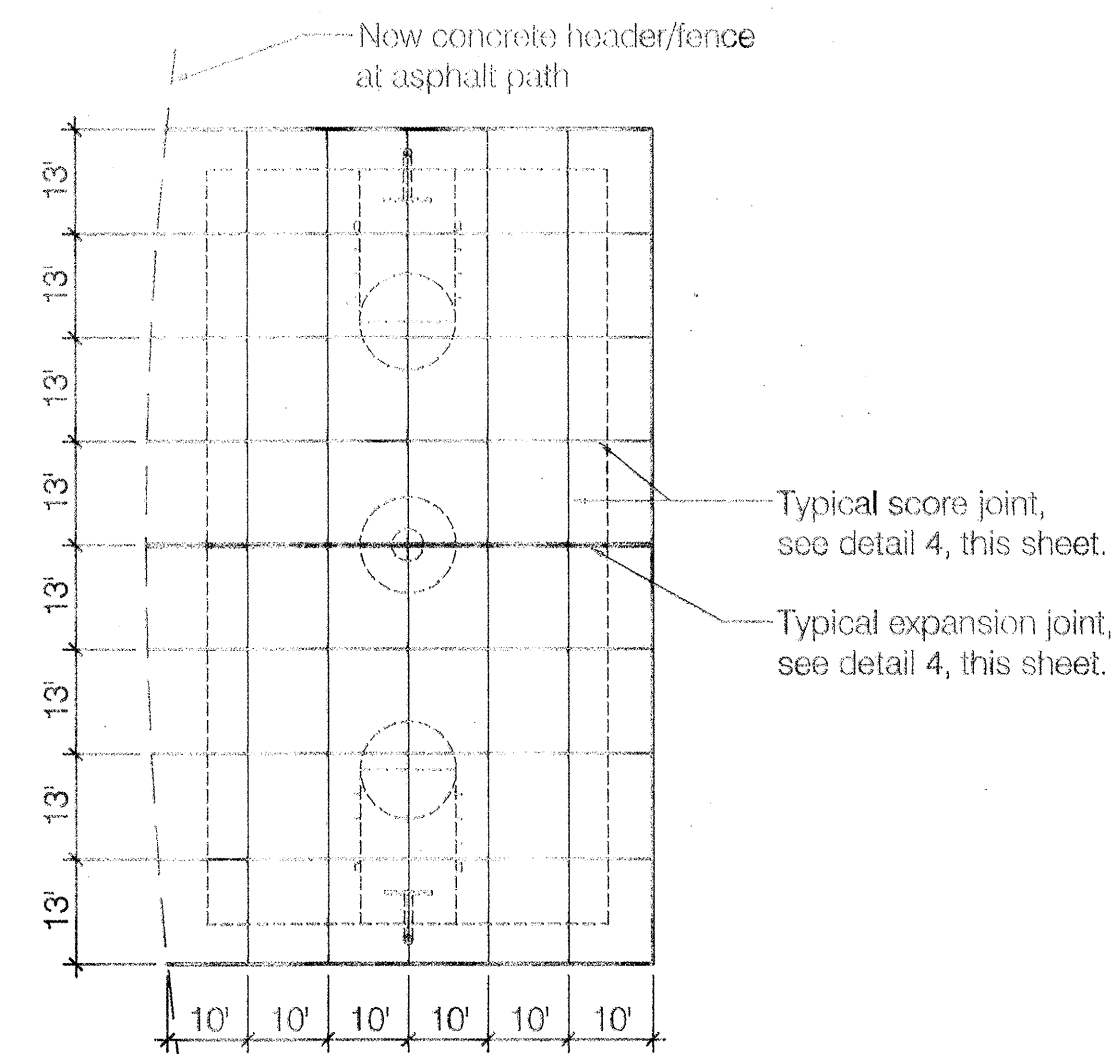
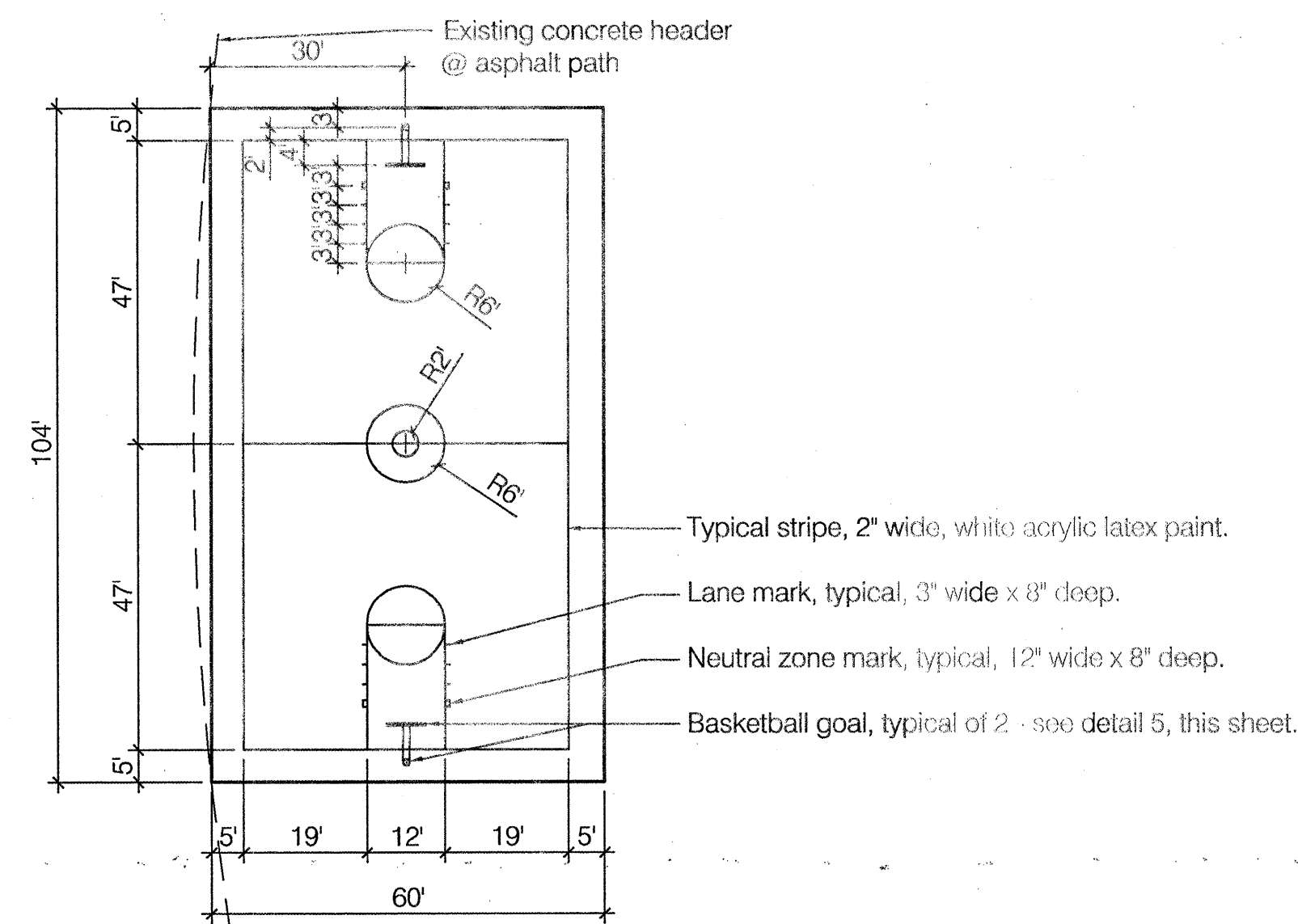
FOR INFORMATION ONLY





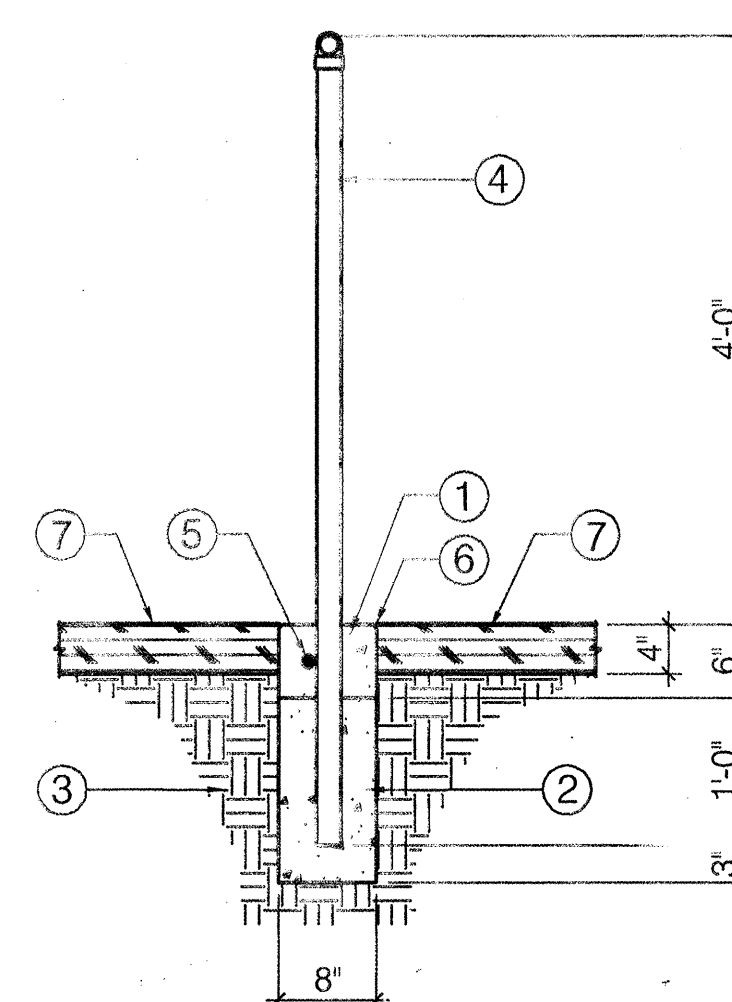
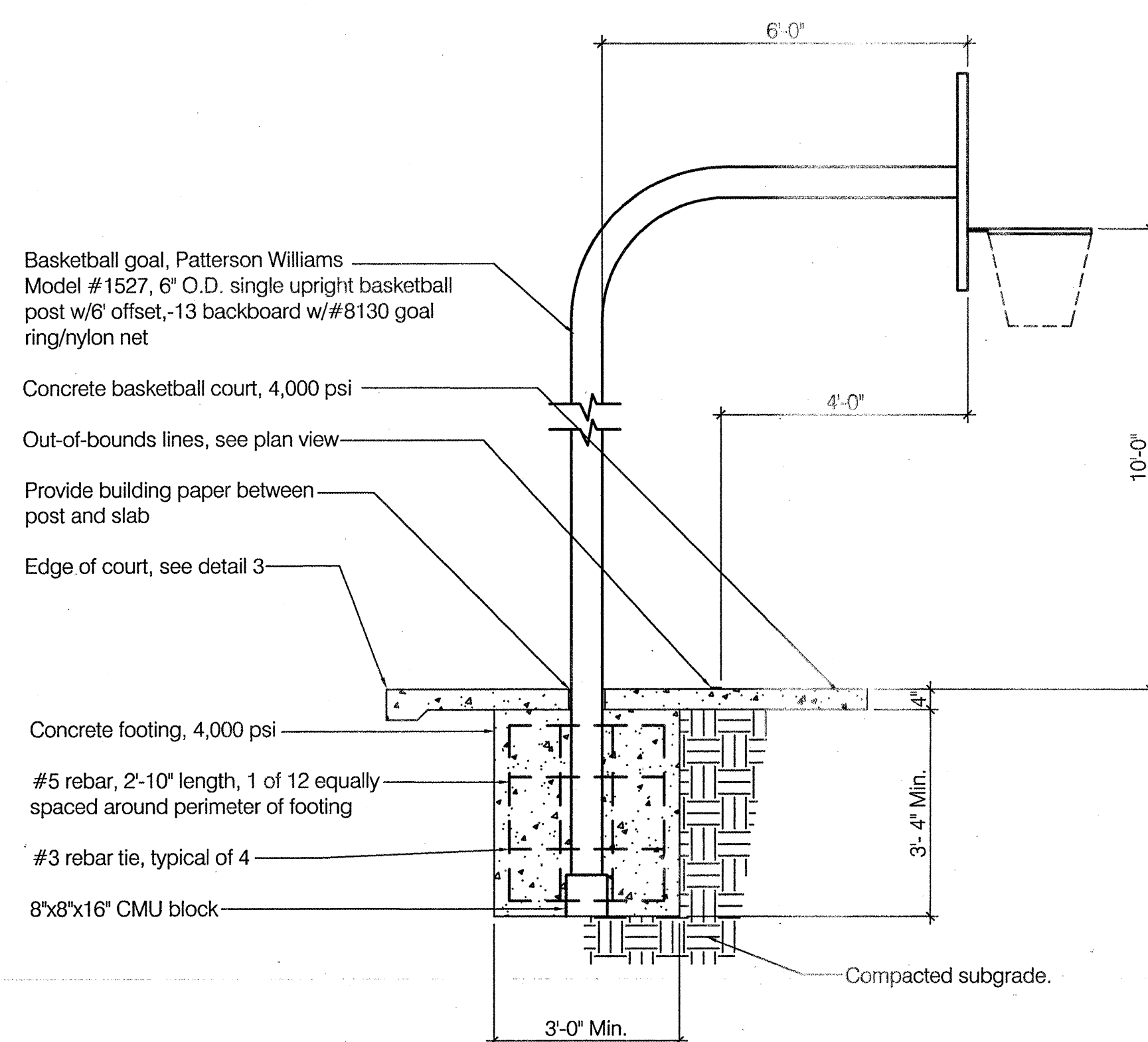
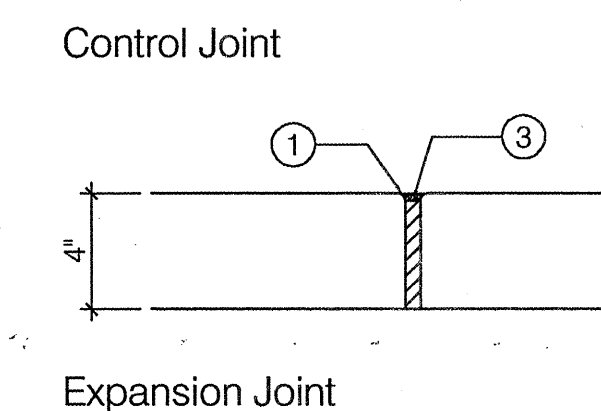
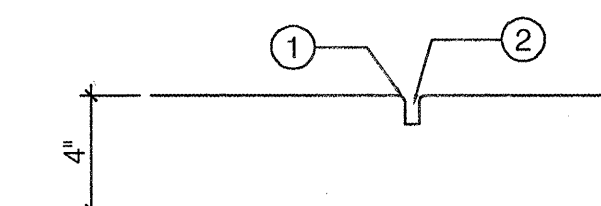






- ① 1/2" radius - typ.
- 2 1/2" X 1" tooled joint.
- 3 1/2" felt expansion joint material w/ polyurethane sealant.

NOTE: Expansion joint shall be flush to 1/8" below top of slab.

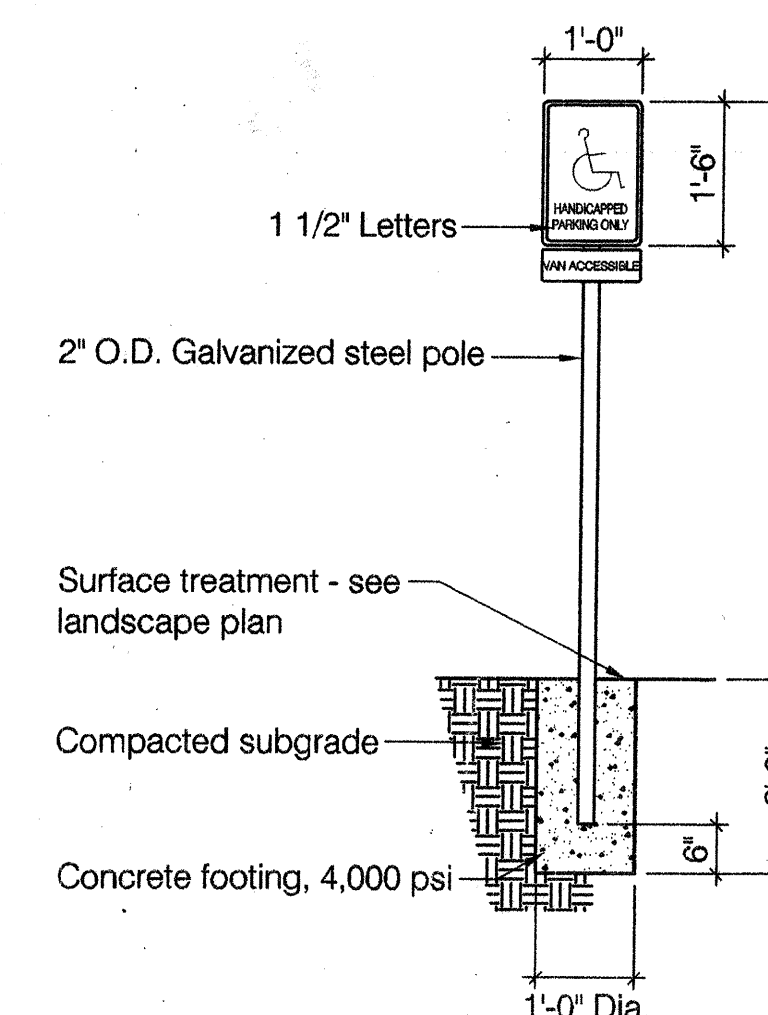



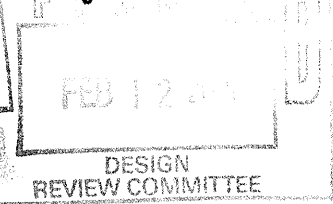
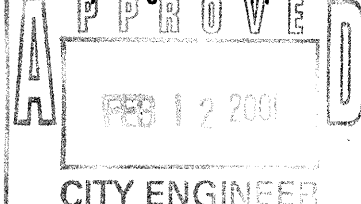
GENERAL NOTES:

- A. Control joints shall be placed at 5' o.c.
- B. Expansion joints shall be placed at 20' o.c.
- C. Top of edger shall be level with adjacent asphalt path.
- D. Reference the City Standard Fencing details for fence installation information.

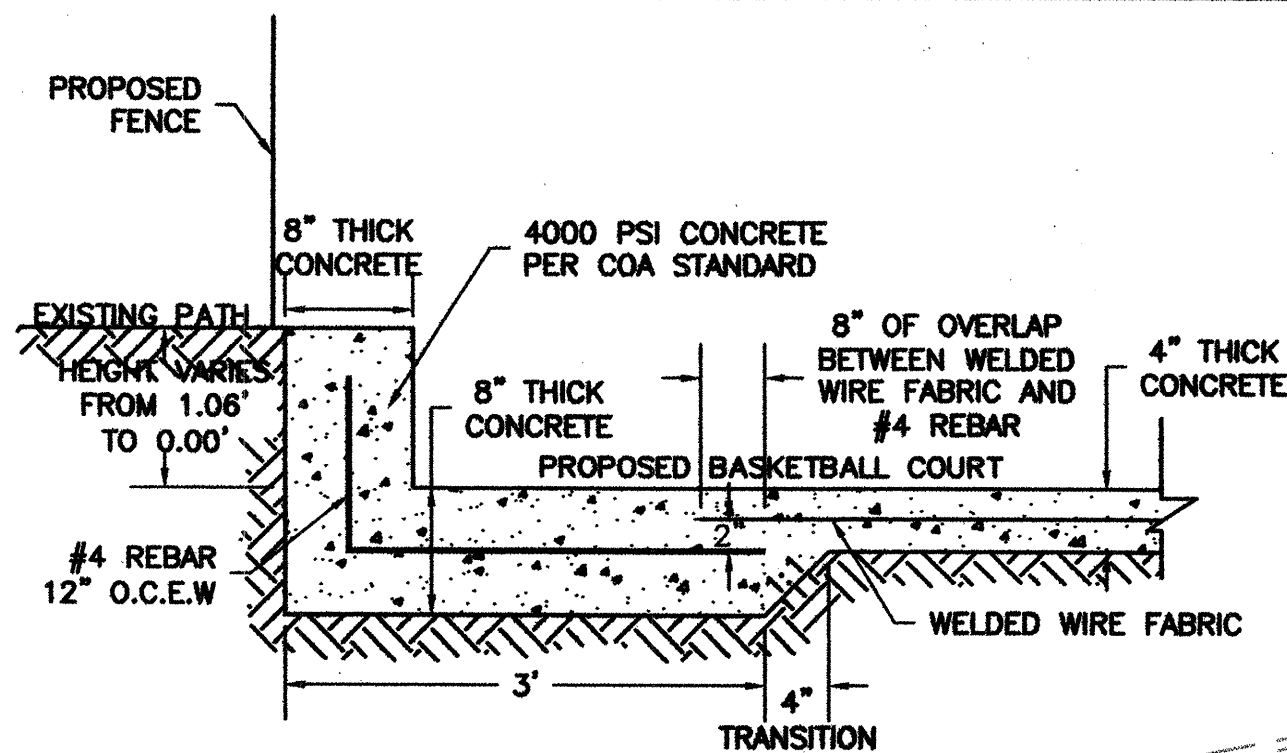
CONSTRUCTION NOTES:

- ① 4,000 PSI concrete edger with medium broom finish.
- 2 4,000 PSI concrete footing.
- 3 6" subgrade compaction.
- 4 Post.
- 5 #3 rebar (1), horizontal and continuous.
- 6 1" tooled radius.
- 7 Material varies. (Reference the drawings).



		PLANNING <b>CONSENSUS PLANNING, INC.</b> <i>Planning / Landscape Architects</i> 924 Park Avenue SW Albuquerque, NM 87102 (505) 764-9801 Fax 842-5495 e-mail: cp@consensusplanning.com		DATE _____  NO. _____		DESIGNED BY _____ DRAWN BY _____	
<p align="center"><b>CITY OF ALBUQUERQUE</b></p> <p align="center"><b>PARKS AND RECREATION DEPARTMENT</b></p>							
<p>TITLE:</p> <p align="center"><b>WESTGATE C.C. AQUATIC PLAYGROUND</b></p> <p align="center"><b>BASKETBALL DETAILS</b></p>							
Design Review Committee 		City Engineer Approval 		Last Design Update <div style="border: 1px solid black; height: 100px;"></div>		<div style="border: 1px solid black; height: 100px;"></div>	
City Project No.		650791		Zone Map No. M-9		Sheet      5    of    18	





I CERTIFY THAT THE AS-BUILT DRAINAGE CONDITIONS OF THE SITE ARE IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED GRADING AND DRAINAGE PLAN, TO THE BEST OF MY KNOWLEDGE AND BELIEF. AS-BUILT ELEVATIONS AS PROVIDED BY THE CONSTRUCTION SURVEYOR ARE SHOWN ON THE PLAN WHERE THE ORIGINAL DESIGN ELEVATION HAS BEEN CROSSED OUT AND THE AS-BUILT ELEVATION ADDED.

PATRICK J. CONLEY, PE  
NM PE 10141



DOUBLE 4" STRIPES,  
ONE YELLOW, ONE BLUE

YELLOW FIGURE ON BLUE  
BACKGROUND EDGES WITH  
4" YELLOW STRIPE

DETAIL 1 HANDICAP STALL WITH VAN ACCESS

SECTION A  
NOT TO SCALE

PROPOSED FENCE

EXISTING PCC RUNDOWN

EXISTING PATH

PROPOSED FENCE

PROPOSED BASKETBALL COURT

FENCE OPENING  
MATCH EXISTING  
PATH ELEVATION

PROPOSED FENCE

6" HEADER CURB WITH  
5" TRANSITION  
FROM 10" TO 6"  
HEADER CURB

PROPOSED PARKING LOT

HEADER CURB PER  
COA STANDARD  
DRAWING 2415

8.5' TYP.

20' TYP.

R=4.5'

R=12.50'

R=66.41'

R=38.15'

R=400'

R=396'

EXISTING DRIVEWAY

EXISTING SIDEWALK CULVERT

MATCH EXISTING SIDEWALK  
EL = 5121.95±

MATCH EXISTING SIDEWALK  
EL = 5121.85±

CAMINO SAN MARTIN S.W.

PROPOSED SIDEWALK

4' SIDEWALK

PROPOSED SIDEWALK

PROPOSED SIDEWALK

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LINE TABLE

NUMBER	DIRECTION	DISTANCE
L1	NAZ 97°09'05"	21.1557 FT
L2	NAZ 97°09'05"	19.4143 FT

NODE TABLE

Node ID	Northing	Easting	Elevation	Description
1	1473723.0505	354805.4988	5116.26/18.29	BASKETBALL COURT
2	1473725.4189	354809.4689	5117.32/17.14	BASKETBALL COURT
3	1473673.0664	354806.7585	5118.61/18.54	BASKETBALL COURT
4	1473675.4347	354700.7287	5117.57	BASKETBALL COURT
5	1473727.9230	354800.3744	5118.46/18.98	BASKETBALL COURT
6	1473730.5433	354704.3414	5117.16/17.13	BASKETBALL COURT
7	1473667.3503	354801.9010	5119.09/19.09	BASKETBALL COURT
8	1473669.9705	354705.8680	5117.10/17.14	BASKETBALL COURT
9	1473717.2834	354724.3294	5116.84	TBC PARKING LOT
10	1473714.4015	354730.0766	5117.06/18.88	TBC PARKING LOT
11	1473718.4818	354744.8883	5117.13/18.94	TBC PARKING LOT
12	1473713.8294	354769.4743	5116.89/18.90	TBC PARKING LOT
13	1473643.1779	354756.1049	5116.72/18.44	TOP OF CURB
14	1473648.1965	354730.5021	5117.71	TOP OF CURB
15	1473650.9410	354732.1303	5117.44/17.95	TBC PARKING LOT
16	1473659.0326	354733.8614	5116.77/16.61	TBC PARKING LOT
17	1473664.2906	354730.0766	5116.82/18.69	TBC PARKING LOT
18	1473667.1727	354744.8469	5116.98/18.96	TBC PARKING LOT
19	1473640.7789	354726.6830	5116.70	EXISTING DRIVEWAY
20	1473635.0284	354756.5888	5115.59	EXISTING DRIVEWAY
33	1473700.4582	354486.3566	5122.98	PROPOSED FENCE
34	1473722.5511	354585.4043	5120.47	PROPOSED FENCE
35	1473724.7248	354577.2175	5120.14	PROPOSED FENCE
36	1473730.7836	354704.3602	5117.16	PROPOSED FENCE
37	1473729.7646	354716.2419	5117.00	PROPOSED FENCE

NODE TABLE				
Node ID	Northing	Easting	Elevation	Description
38	1473721.2204	354771.9537	5116.84	PROPOSED FENCE
46	1473721.5213	354561.5296	5120.58 <i>20.52</i>	CONCRETE PAD
47	1473692.0227	354801.2792	5118.96 <i>18.87</i>	CONCRETE PAD
48	1473727.9230	354800.3744	5119.46	EXISTING PATH
49	1473728.5225	354716.2178	5117.90 <i>17.91</i>	CONCRETE PAD
50	1473717.2834	354724.3294	5116.84 <i>16.99</i>	CONCRETE PAD
51	1473692.7194	354719.8811	5117.23 <i>16.98</i>	CONCRETE PAD
52	1473694.5547	354705.2484	5117.34	CONCRETE PAD
53	1473730.5433	354704.3414	5117.16	CONCRETE PAD
64	1473719.4238	354720.6634	5116.88	PROPOSED HC RAMP
67	1473708.8387	354723.2402	5117.68	PROPOSED HC RAMP
68	1473699.4991	354720.9640	5117.39	TBC PARKING LOT
69	1473699.4061	354721.4553	5116.56	PARKING LOT
70	1473692.6264	354720.1724	5116.40 <i>16.40</i>	FL PARKING LOT
71	1473687.5711	354715.4311	5116.45 <i>16.41</i>	FL PARKING LOT
72	1473716.9992	354724.7277	5116.84 <i>16.83</i>	PROPOSED HC RAMP
73	1473677.8332	354700.2441	5116.88	PROPOSED SIDEWALK
77	1473650.5751	354709.9410	5117.51	PROPOSED SIDEWALK
78	1473647.9414	354730.9321	5116.88 <i>16.66</i>	FL AT PARKING LOT
79	1473644.1893	354728.7062	5116.80	PROPOSED SIDEWALK
80	1473646.8082	354708.4430	5117.48	PROPOSED SIDEWALK
81	1473643.5937	354729.0431	5121.85	PROPOSED SIDEWALK
82	1473715.7895	354729.8405	5117.81	PARKING LOT
83	1473716.2808	354729.7335	5117.64	PARKING LOT



**NOTICE TO CONTRACTOR:**

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.

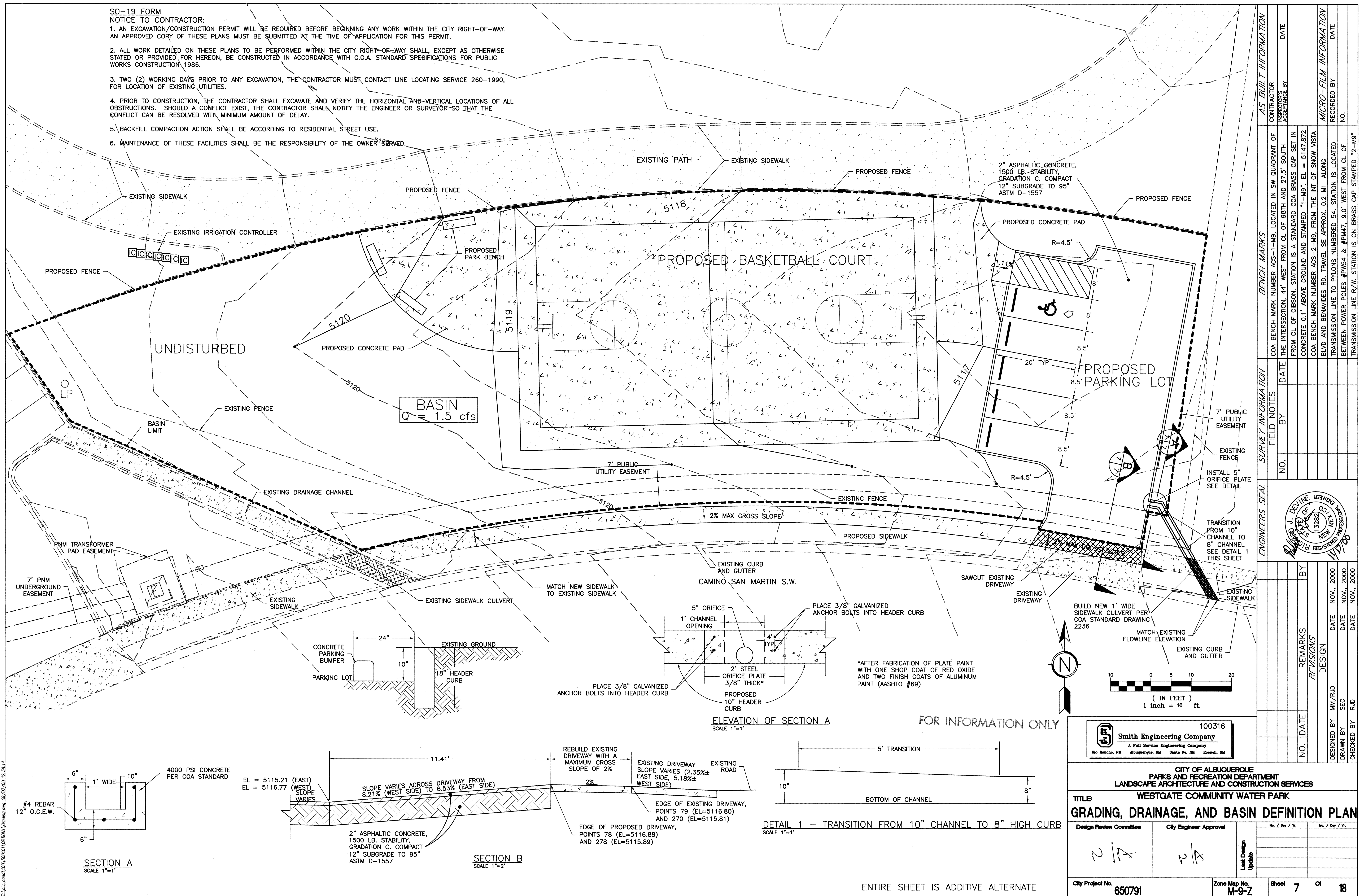
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED WITHIN THE CITY RIGHT-OF-WAY SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH C.O.A. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986.

3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990, FOR LOCATION OF EXISTING UTILITIES.

4. 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 OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.

5. BACKFILL COMPACTION ACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.

6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER SERVED





From Jeff Mortensen & Associates July 7, 1994 submittal of The Master Drainage Plan for Truman Middle School, sheet 2 of 2, Drainage Plan and Calculations; Vicinity & FEMA Maps Basin "C" the developed conditions - Calculations for additional basin area designated as "Future Parking Lot" the following were their results:

$$A_{\text{total}} = 2.03 + 0.46 = 2.49 \text{ Ac}$$

$$\Sigma Q_{100} = 6.60 - 4.8 = 1.8 \text{ cfs (increase)}$$

$$\Sigma V_{100} = 4,275 - 1,770 = 2,505 \text{ cf (increase)}$$

**0.00**

(a) Elevations and areas measured on .25"= survey shots  
(b) Obtained from Autocad basemap drawing  
(c) From "Handbook of Hydraulics" Brater, King, Lindell, Wei. 7th ed. page 4.7  
(e) From "Handbook of Hydraulics" Brater, King, Lindell, Wei. 7th ed. page 5.25

**WESTGATE COMMUNITY CENTER WATER PARK & PROPOSED PARKING LOT/BASKETBALL COURT**

## HYDROLOGIC ANALYSIS

#### A. Existing Conditions - onsite

**1. Basketball/parking lot**

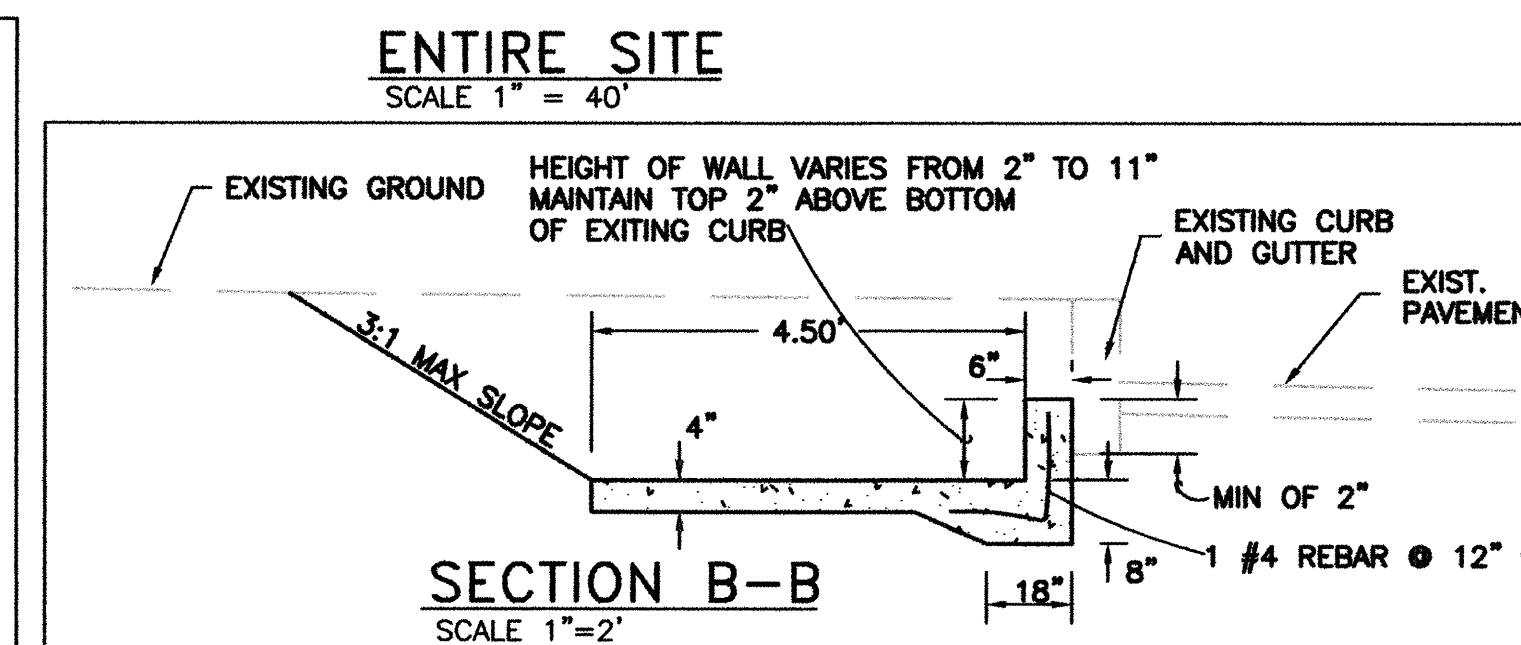
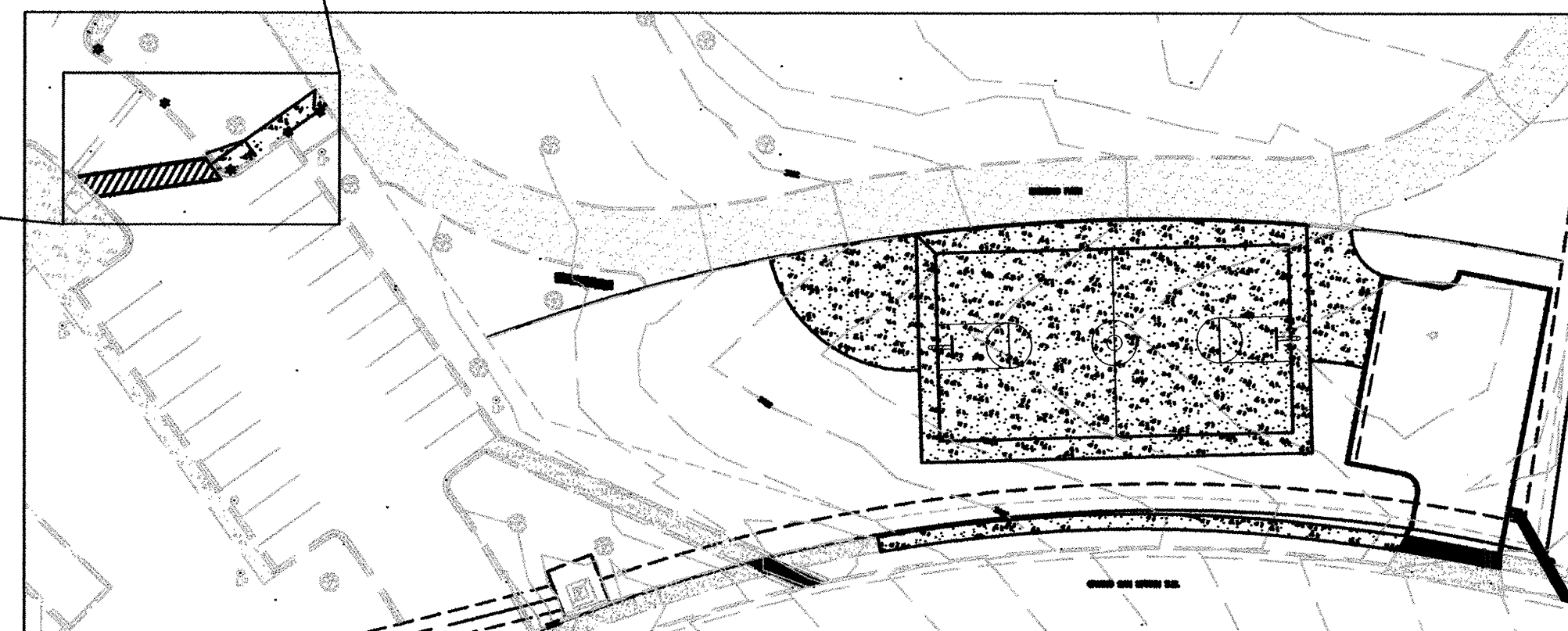
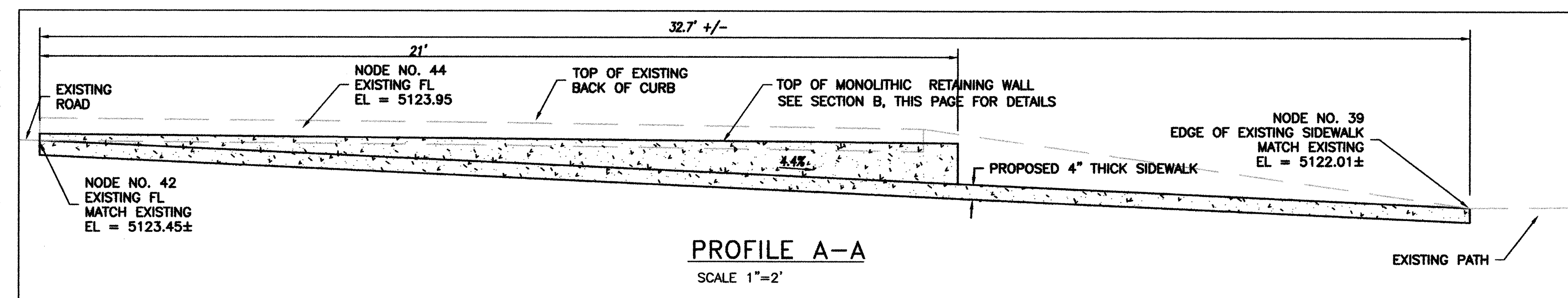
2. **Water park.** As stated above, the Water Park is being constructed with an existing wall area. No grading will be necessary.

### B. Developed Conditions

In summary, the allowable flow from both of the above areas is 5.2 cfs. We are discharging 5.4 cfs. We believe that the 0.2 cfs is a negligible amount and will not adversely effect downstream capacities.




\* PAINT ON EXISTING PAVEMENT SURFACE



FOR INFORMATION ONLY

100316


**Smith Engineering Company**  
 A Full Service Engineering Company  
 One Lincoln, NE    Allentown, NE    Omaha, NE    Norfolk, NE

CITY OF ALBUQUERQUE  
PARKS AND RECREATION DEPARTMENT  
LANDSCAPE ARCHITECTURE AND CONSTRUCTION SERVICES

TITLE **WESTGATE COMMUNITY WATER PARK  
DRAINAGE CALCULATIONS AND ANALYSIS**

Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.
N/A	N/A			
City Project No. 650791	Zone Map No. M-92	Sheet 8	Of 18	



ALL TC'S ARE ASSUMED TO BE 12 MINUTES

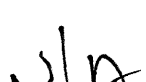
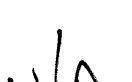
ALL TC'S ARE ASSUMED TO BE 12 MINUTES

### PROPOSED 5" ORIFICE DISCHARGE CALCULATIONS

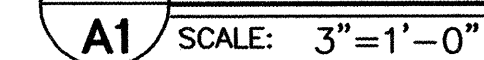
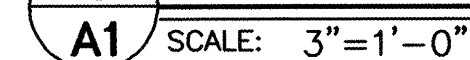
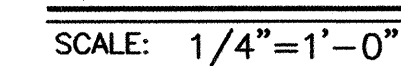
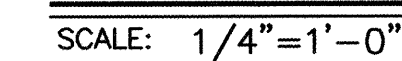
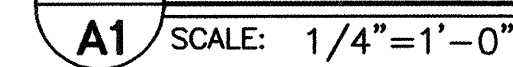
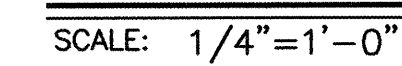
THE 100 YEAR Q=0.38 cfs FOR THE 4" ORIFICE  
FROM THE AHYMO OUTPUT FILE, THE MAXIMUM WATER SURFACE ELEVATION IS 0.96 FT  
AND THE MAXIMUM STORAGE IS 0.0252 AC-FT

THE 100 YEAR Q=0.56 cfs FOR THE 5" ORIFICE  
FROM THE AHYMO OUTPUT FILE, THE MAXIMUM WATER SURFACE ELEVATION IS 0.84 FT  
AND THE MAXIMUM STORAGE IS 0.0188 AC-FT

FOR INFORMATION ONLY

CITY OF ALBUQUERQUE PARKS AND RECREATION DEPARTMENT LANDSCAPE ARCHITECTURE AND CONSTRUCTION SERVICES															
TITLE <b>DRAINAGE CALCULATIONS AND ANALYSIS</b>		WESTGATE COMMUNITY WATER PARK													
Design Review Committee  	City Engineer Approval  	Unit Design Updates	<table border="1"> <tr> <th>Mo. / Day / Yr.</th> <th>Mo. / Day / Yr.</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	Mo. / Day / Yr.	Mo. / Day / Yr.										
Mo. / Day / Yr.	Mo. / Day / Yr.														
City Project No. <b>650791</b>	Zone Map No. <b>M-9-Z</b>	Sheet <b>9</b>	Of <b>18</b>												





## Door Types



### WESTGATE C.C.AQUATIC PLAYGROUND DOOR SCHEDULE

No.	Door Type	Location Room to Room	Qty.	Size	Frame Type	Door Material	Head	Detail Jamb	Sill	Hardware Set	Rating	Remarks
1	A	Multipurpose 100 - Exterior	1	3'-0" x 7'-0" x 1 3/4"	1	HM	1/A1	2/A1	3/A1	1	-	PAINT TO MATCH STANDING SEAM RO

- 1 8" CMU.
- 2 ACCESS LADDER, SEE COA STANDARD DWG. 2229
- 3 4" CONCRETE PAD WITH #4 @ 24" O.C. EACH WAY
- 4 8" CMU LINTEL BLOCK.
- 5 HOLLOW METAL DOOR, 90 MIN. RATING, SEE DOOR SCHEDULE.
- 6 ALUMINUM THRESHOLD, 1/2" MAX. HT., SET IN FULL BED OF CAULK.
- 7 CONCRETE SLAB, SEE STRUCTURAL.
- 8 GROUT, FILL FRAME SOLID.
- 9 CAULK CONTINUOUSLY BOTH SIDES
- 10 FLOOR DRAIN, SEE MECHANICAL
- 11 FLOOR FINISH, AS PER COA SPECIFICATIONS
- 12 WALL ANCHOR AT JAMB ONLY.
- 13 HOLLOW METAL FRAME

NO.	DATE	REMARKS	BY	ARCHITECT/ENGINEER SEAL	SURVEY INFORMATION	BENCH MARKS	AS-BUILT INFORMATION
				FIELD NOTES			
		NO.	BY	DATE			
					BH/A.C.S. SURVEY MONUMENT "BH-39" FROM THE INTERSECTION OF I-40 AND COORS RD. NW GO NORTH ON COORS 0.4 MILES TO DUBAY RD. NW TURN LEFT, GO WEST ON DUBAY APPROX. 0.7 MILES TO THE END OF PAVEMENT. CONTINUE WEST 0.3 MILES ON THE DIRT ROAD TO THE INTERSECTION WITH A POWER SUB-STATION. CONTINUE WEST ONE HALF MILE PAST THE POWER SUB-STATION TO THE RIGHT TO A DIRT CROSSROAD. TURN LEFT, GO NORTHEAST ON THE DIRT ROAD 0.1 MILES TO THE STATION ON THE RIGHT. THE STATION MARK IS A BOHANNAN/HUSTON BRASS CAP STAMPED "BH-39" SET 0.2 FEET BELOW GROUND. ELEV. = 5195.46		
					MICRO-FILM INFORMATION RECORDED BY _____ DATE: _____		
DESIGN BY:	SEC		DATE: 11/13/00		FINISHED FLOOR ELEVATION		
DRAWN BY:	SEC		DATE: 11/13/00		$100' - 0'' =$		
CHECKED BY:	SEC		DATE: 11/13/00				

Professional Engineer Seal for Robert Irving Johnson, New Mexico, No. 9491, Registered Professional Engineer, 11/17/00.



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SECNM@WORLDNET.ATT.NET



TITLE: WESTGATE AQUATIC PLAYGROUND  
FLOOR PLAN & ELEVATIONS

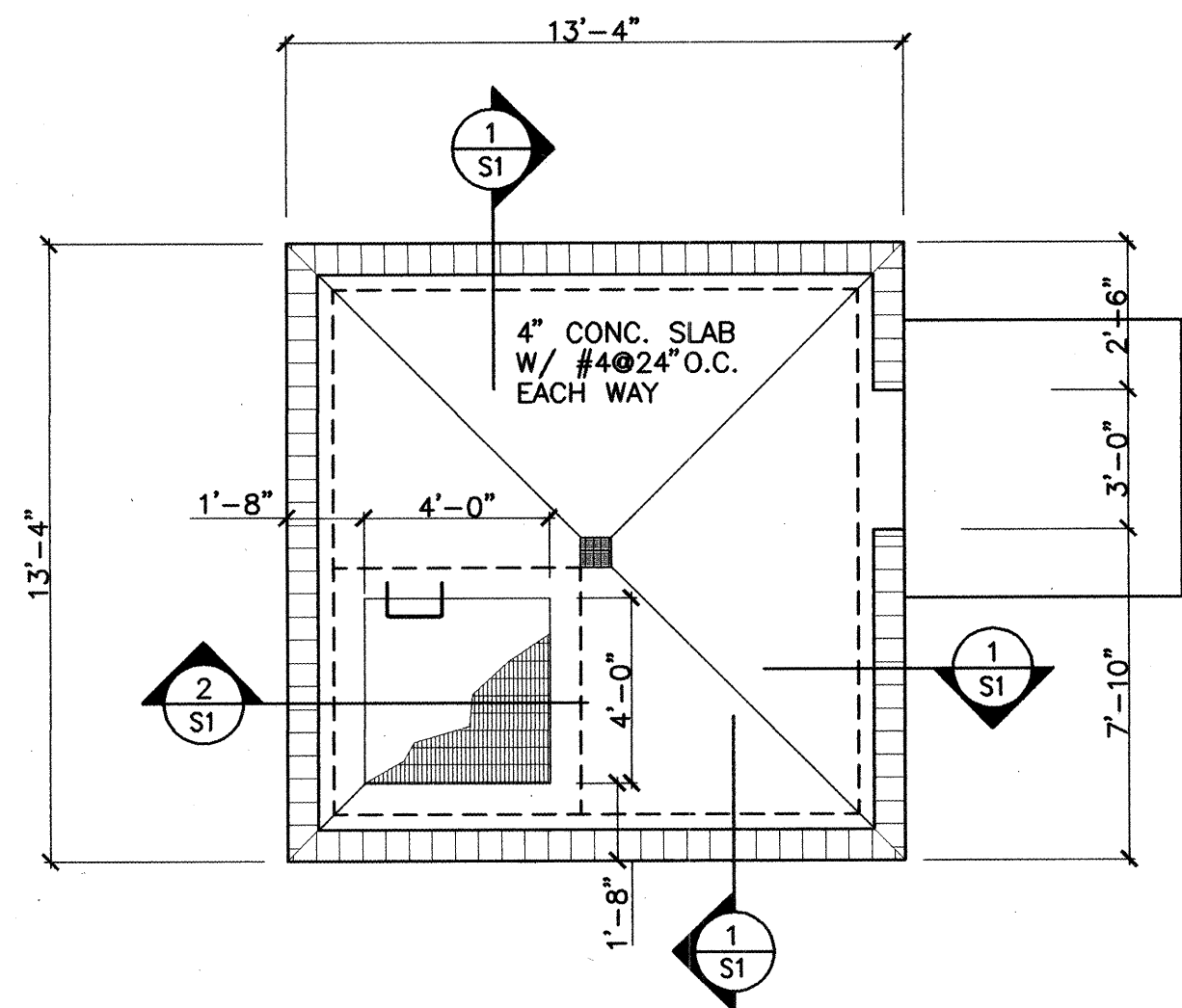
CITY PROJECT NO.

## ZONE MAP

NO.	SHEET	OF
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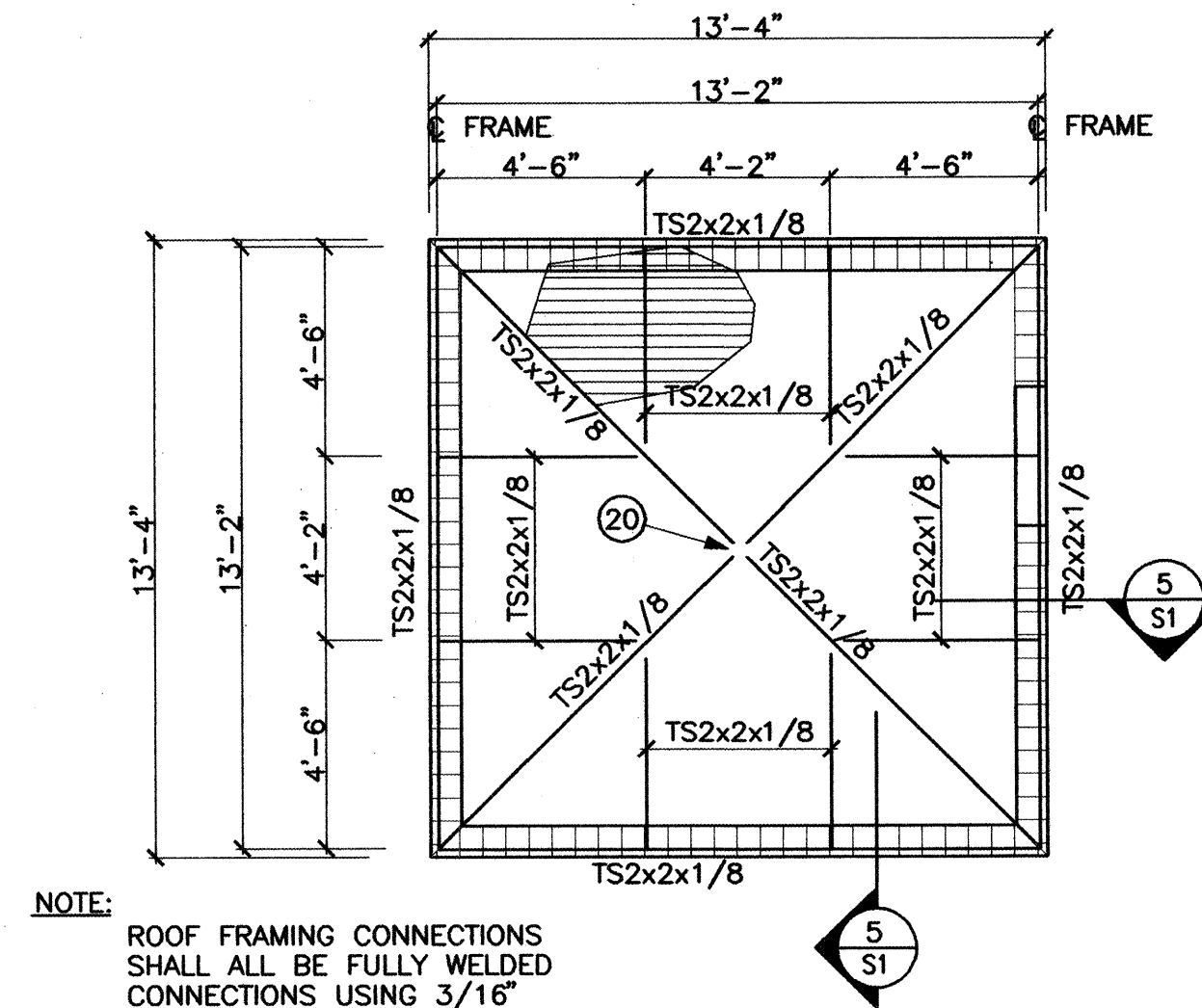
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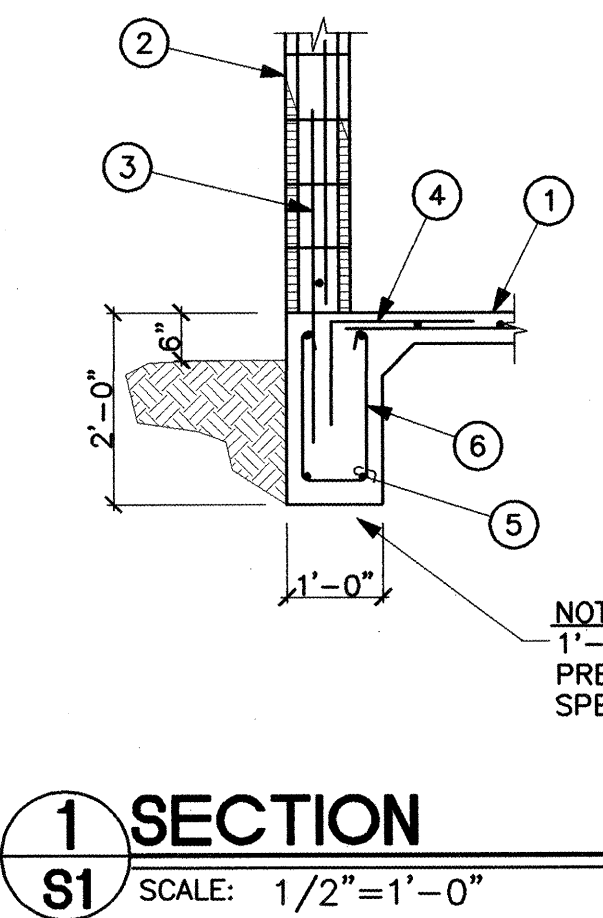
**FOUNDATION PLAN**

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



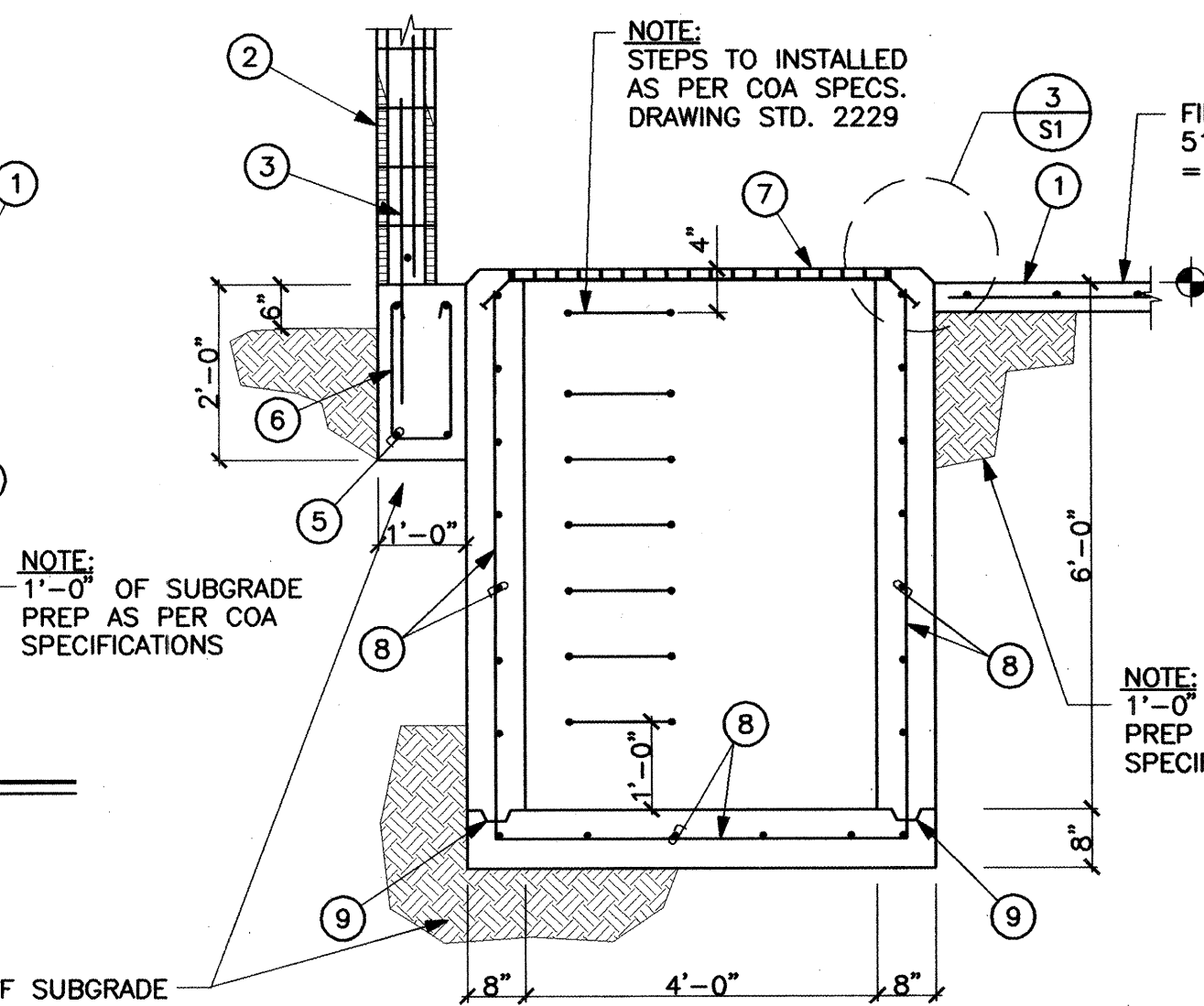
**ROOF FRAMING PLAN**

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



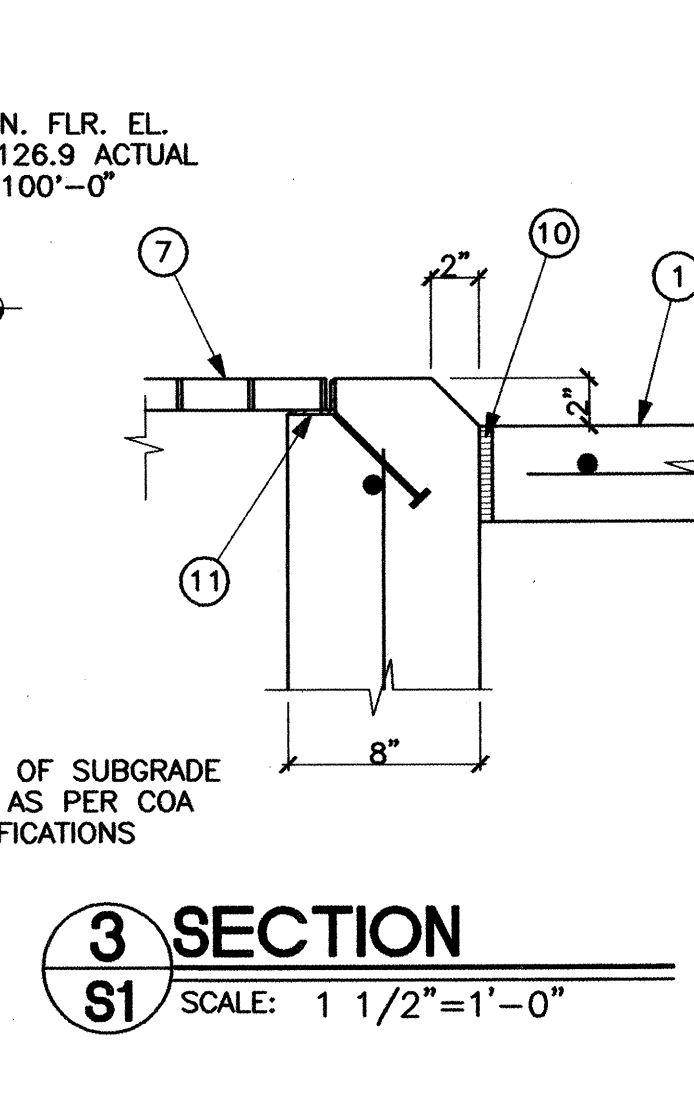
**SECTION 1**

SCALE: 1/2"=1'-0"



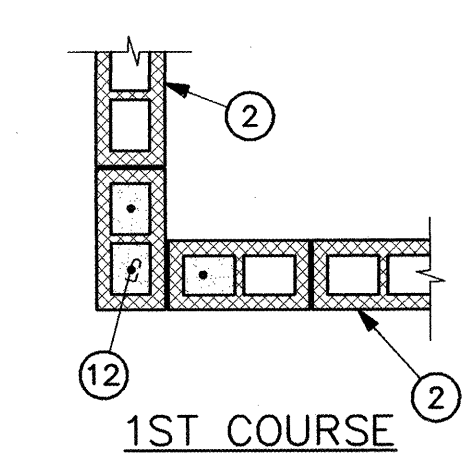
**SECTION 2**

SCALE: 1/2"=1'-0"



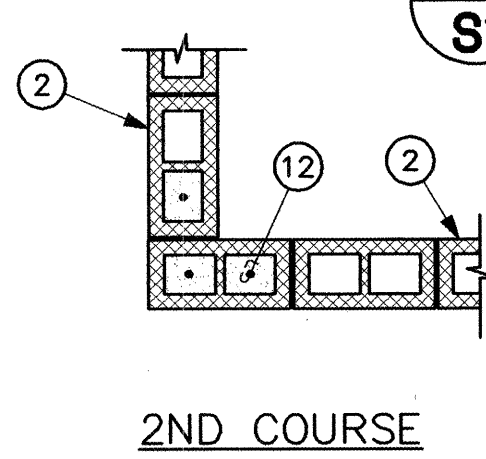
**SECTION 3**

SCALE: 1 1/2"=1'-0"

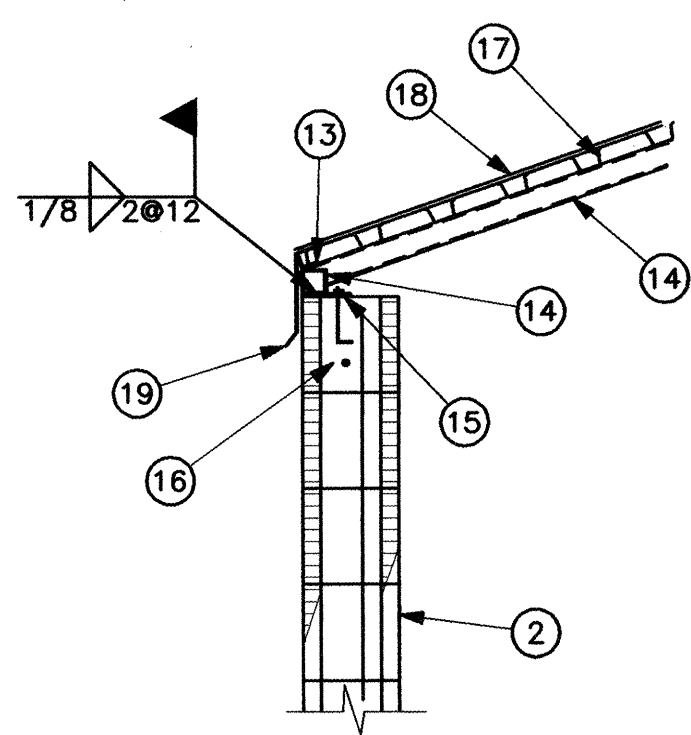


**MASONRY CORNER DETAIL**

SCALE: NONE

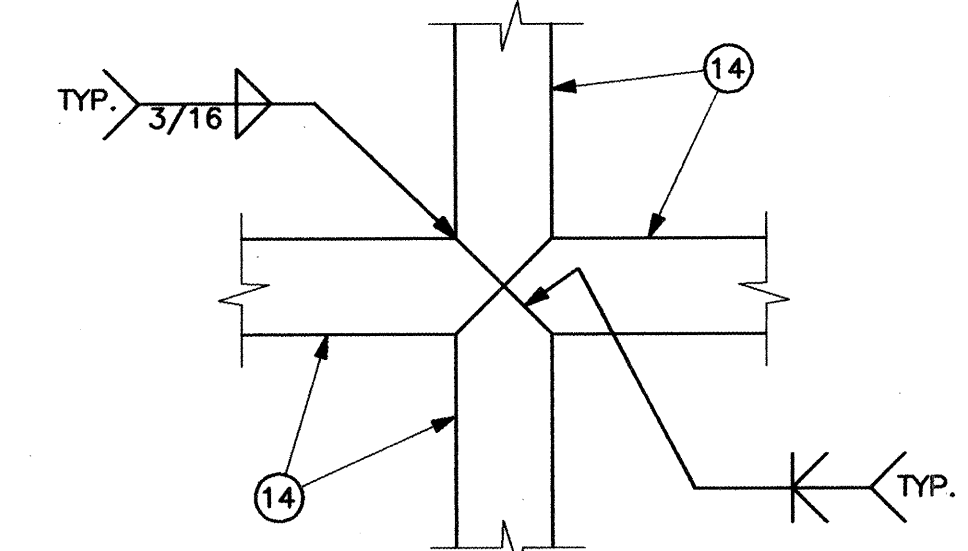


**2ND COURSE**



**SECTION 5**

SCALE: 3/4"=1'-0"



**RIDGE CONNECTION**

SCALE: 3"=1'-0"

**STRUCTURAL NOTES**

- GENERAL:**
- ALL MATERIALS AND CONSTRUCTION SHALL BE GOVERNED BY CITY OF ALBUQUERQUE STANDARD SPECIFICATION, 1994 EDITION UPDATE NO. 6.
  - DESIGN DATA:  
ROOF DEAD LOAD = 10 PSF.  
ROOF LIVE LOAD = 20 PSF  
DESIGN WIND SPEED = 80 MPH, EXPOSURE B.
  - CONTRACTOR SHALL COMPILE ALL DIMENSIONS AND SECTIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS AND REPORT ANY DISCREPANCY TO THE C.O.A. PRIOR TO FABRICATING OR INSTALLING STRUCTURAL MEMBERS.
  - SHOP DRAWINGS SHALL BE FURNISHED FOR APPROVAL BEFORE ANY FABRICATION AND ERECTION IS STARTED. GENERAL CONTRACTOR SHALL PRECHECK ALL SHOP DRAWINGS BEFORE SUBMISSION TO THE C.O.A. FOR REVIEW. STRUCTURAL PLANS AND DETAILS SHALL NOT BE REPRODUCED FOR USE AS PART OF THE SHOP DRAWINGS.
  - THE SAFE AND ADEQUATE SHORING OF ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION IS THE CONTRACTOR'S RESPONSIBILITY.
  - VERIFY THE SIZE AND LOCATION OF ALL ROOF AND WALL OPENINGS WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE LOCATIONS OF OPENINGS WITH THE GENERAL CONTRACTOR AND THE C.O.A.
  - THE MECHANICAL CONTRACTOR SHALL FURNISH ALL NECESSARY FOUNDATIONS, SUPPORT STRUCTURES, AND HANGING DEVICES FOR MECHANICAL EQUIPMENT.

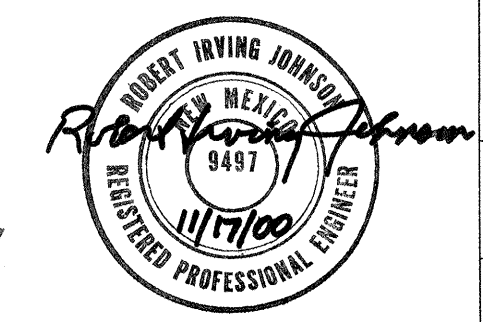
- CONCRETE MASONRY UNITS:**
- ALL CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C909, TYPE N, WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2300 PSI. ALL MORTAR SHALL BE TYPE S MORTAR. ALL CMU SHALL BE 2-CELL BLOCK. SPECIAL INSPECTION OF CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR DURING CONSTRUCTION. COLOR OF UNITS AND MORTAR TO BE SELECTED BY C.O.A.
  - CELLS WHICH CONTAIN REINFORCING STEEL SHALL BE FILLED SOLIDLY WITH 2000 PSI FINE GROUT, INCLUDING BOND BEAMS, LINTELS, PILASTERS, AND REINFORCED VERTICAL CELLS. VERTICAL CELLS OF MASONRY WALLS CONTAINING REINFORCING BARS SHALL BE GROUTED SOLID FROM THE BOTTOM TO THE TOP OF THE WALL. REMOVE ALL INSULATION FROM GROUT FILLED CELLS BEFORE FILLING WITH GROUT. REINFORCING BARS ARE TO BE PLACED IN THE CENTER OF THE VERTICAL CELL PRIOR TO FILLING THE CELL WITH GROUT.
  - LAP SPLICES OF REINFORCING STEEL IN MASONRY SHALL BE 40 BAR DIAMETERS OR 2'-0", WHICHEVER IS GREATER. SPLICES IN HORIZONTAL REINFORCING SHALL BE STAGGERED SO THAT NO MORE THAN ONE SPLICE OCCURS IN ANY 5'-0" OF WALL EXCEPT AT CORNERS.
  - VERTICAL CELLS TO BE FILLED WITH GROUT SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL NOT LESS THAN 2"x3" IN PLAN DIMENSIONS.
  - HORIZONTAL AND VERTICAL REINFORCEMENT SHALL BE PROVIDED AS SHOWN ON THE STRUCTURAL AND ARCHITECTURAL DRAWINGS.
  - VERTICAL WALL REINFORCING SHALL EXTEND CONTINUOUSLY FROM THE TOP OF THE FOUNDATION TO EMBED AT LEAST 6" INTO THE BOND BEAM AT THE TOP OF THE WALLS.
  - ADDITIONAL VERTICAL WALL REINFORCING, SAME SIZE AND LENGTH AS THE MAIN WALL REINFORCING, SHALL BE LOCATED AS FOLLOWS:  
A. ONE VERTICAL IN THE FIRST TWO CELLS AT EACH SIDE OF ALL MASONRY WALL OPENINGS AND CORNERS.
  - HORIZONTAL JOINT REINFORCEMENT SHALL BE LAPPED A MINIMUM OF 12" AT SPLICES AND SHALL BE CONTINUOUS AROUND CORNERS AND AT WALL INTERSECTIONS.
  - WHERE EARTH FILL IS REQUIRED ON ONE OR BOTH SIDES OF MASONRY WALLS, THE WALL SHALL BE GROUTED SOLID WITH GROUT TO THE HEIGHT OF THE EARTH FILL OR AS SPECIFIED OTHERWISE.
  - ALL REINFORCING STEEL (#3 BAR SIZE OR GREATER) SHALL BE ASTM A615, GRADE 60, MINIMUM YIELD STRENGTH OF 60 KSI.
  - PERLITE LOOSE FILL INSULATION; EXPANDED PERLITE COMPLYING WITH ASTM C549, TYPE II (SURFACE TREATED FOR WATER REPELLENCY AND LIMITED MOISTURE ABSORPTION) OR TYPE IV (SURFACE TREATED FOR WATER REPELLENCY AND LIMITED DUST GENERATION DURING APPLICATION), WITH THERMAL RESISTANCE FOR 4.1- TO 7.4-lb/cu.ft. (65.6- TO 118.5- kg/cu.m) INSULATION OF 3.3 TO 2.8 deg F x h x sq.ft/8tu AT 75 deg F (0.58 TO 0.49 K x sq.m/ W AT 24 deg C) FOR 1-INCH (25.4mm) THICKNESS.
  - INSTALLATION OF MASONRY CELL INSULATION; POUR GRANULAR INSULATION INTO CAVITIES INDICATED TO RECEIVE INSULATION, TAKING CARE TO FILL VOIDS COMPLETELY. MAINTAIN INSPECTION PORTS TO SHOW PRESENCE OF INSULATION AT EXTREMITIES OF EACH POUR AREA. CLOSE PORTS AFTER CONFIRMING COMPLETE COVERAGE.

- STRUCTURAL METAL DECK:**
- ROOF DECK: TYPE B, 1-1/2" DEEP, 22 GAUGE, MOMENT OF INERTIA, I = 0.189 IN.-4/FT., WEIGHT = 1.88 LB./FT., Fy = 33.0 KSI, PAINTED, 36" DECK WIDTH WITH NESTABLE SIDE LAPS.
  - FASTENING: FASTEN ROOF DECK UNITS TO STEEL SUPPORTING MEMBERS WITH 5/8" DIAMETER WELDS. WELD DECK WITH FIVE WELDS PER SUPPORT PER 36" DECK WIDTH. WHEN THE DIRECTION OF THE METAL DECK IS PERPENDICULAR TO A SUPPORTING LEDGER ANGLE, WELD THE DECK TO THE ANGLES IN THE SAME PATTERN AS SPECIFIED PREVIOUSLY. WHEN THE DIRECTION OF THE DECK IS PARALLEL TO THE SUPPORTING LEDGER ANGLE, PROVIDE WELDS AT 12" ON CENTER.
  - SIDE LAP CONNECTION: FASTEN DECK SIDE LAPS WITH #12 TEK SELF TAPPING SCREWS AT 24" ON CENTER AT ROOF DECK.
  - ROOF DECK UNITS SHALL HAVE A MINIMUM OF A TWO SPAN CONDITION.
- STANDING SEAM METAL ROOF:**
- MATERIAL: FORM PANELS OF MINIMUM 22 GAUGE ZINC-COATED OR ALUMINUM-ZINC COATED STEEL.
  - PROFILE: 1 1/2 INCHES HIGH AT THE RIB, 16 INCHES WIDE PANEL.
  - SEAM: MECHANICALLY DOUBLE LOCK AT 180 DEGREES. SINGLE LOCK SEAM AT 90 DEGREES IS NOT ACCEPTABLE.
  - FLOATING CLIP: TWO PART ASSEMBLY WITH A BASE CLIP 5 INCHES LONG, 1 INCH WIDE 7/8 INCHES HIGH. UPPER CLIP IS 1 1/2 INCHES LONG, 1 1/2 INCHES HIGH WITH 13/32 INCH RETURN FORMED TO ENGAGE THE CLIP BASE AND THE MALE RIB OF THE PANEL. BASE CLIP MINIMUM THICKNESS IS 18 GAUGE; THE UPPER CLIP MINIMUM THICKNESS IS 24 GAUGE. CLIPS ARE SPACED 48 INCHES ON CENTER.
  - FASTENERS SHOULD BE 12-14 X 1 INCH SELF-DRILLING, SELF-TAPPING, HEX WASHER HEAD PLATED STEEL SCREWS. THREE FASTENERS ARE USED PER CLIP.
  - INSTALL GASKETS, JOINT FILLERS, AND SEALANTS REQUIRED FOR WEATHERPROOF PERFORMANCE PANEL SYSTEM.
  - INSTALL COMPONENTS REQUIRED FOR A COMPLETE ROOF PANEL SYSTEM INCLUDING TRIM, FACIAS AND RIDGE CLOSURES.
  - INSTALLATION TOLERANCE: SHIM AND ALIGN PANEL UNITS WITHIN INSTALLED TOLERANCE OF 1/4 INCH IN 20'-0" ON 1/8 INCH OFFSET OF ADJOINING FACES AND OF ALIGNMENT OF MATCHING PROFILES.
  - COLOR OF ROOF TO BE SELECTED BY C.O.A.

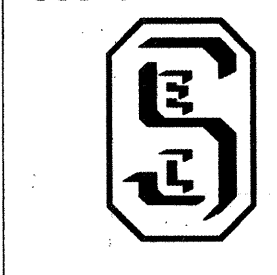
**KEYED NOTES**

- 4" CONCRETE SLAB, W/#4@24" O.C., EACH WAY
- 8" CMU (SPLIT FACE) WITH #5 @ 32" O.C. VERTICAL (1) - #5 AT FLOOR EL., MID POINT AND TOP OF WALL, #8 DUR-O-WAL JOINT REINFORCING AT 16" O.C.
- #4 DOWEL TO MATCH WALL REINF. SIZE AND SPACING
- #4 DOWEL AT 24" O.C. TO MATCH SLAB REINF.
- (2) - #5 CONTINUOUS TOP AND BOTTOM
- #3 TIES AT 18" O.C.
- STEEL GRATING 1"x1/4" PLATE, 2"x1 3/16" SPACING, MCNICHOLS SERIES GHB-2 OR COA APPROVED EQUAL
- #4 AT 12" O.C. EACH WAY
- 2x4 KEYED JOINT CONTINUOUS, TYP.
- 1/2" EXPANSION JOINT MATERIAL, (2)-SIDES
- L1 1/4x1 1/4x1/4 W/ 3/8" X 6" ANCHORS AT 24" O.C. SHOP WELDED TO ANGLE
- VERTICAL REINFORCING AS NOTED ON STRUCTURAL NOTES.
- L 1/2x2x1/8 CONTINUOUS CLOSURE ANGLE
- TS2x2x1/8, SEE PLAN
- PLATE 1/4x4xCONTINUOUS W/1/2" X 6" EXPANSION ANCHORS @ 48" O.C.
- 8" K.O.B.B. W/ (1)-#4 CONTINUOUS
- 1 1/2 X 22 GAGE TYPE B METAL DECK
- STANDING SEAM METAL ROOF, 26 GAGE
- 6" DRIP EDGE FLASHING
- RIDGE CONNECTION, SEE DETAIL "6/S1"

FOR INFORMATION ONLY



100316



**SMITH ENGINEERING**  
A FULL SERVICE  
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ALBUQUERQUE, NEW MEXICO  
87110  
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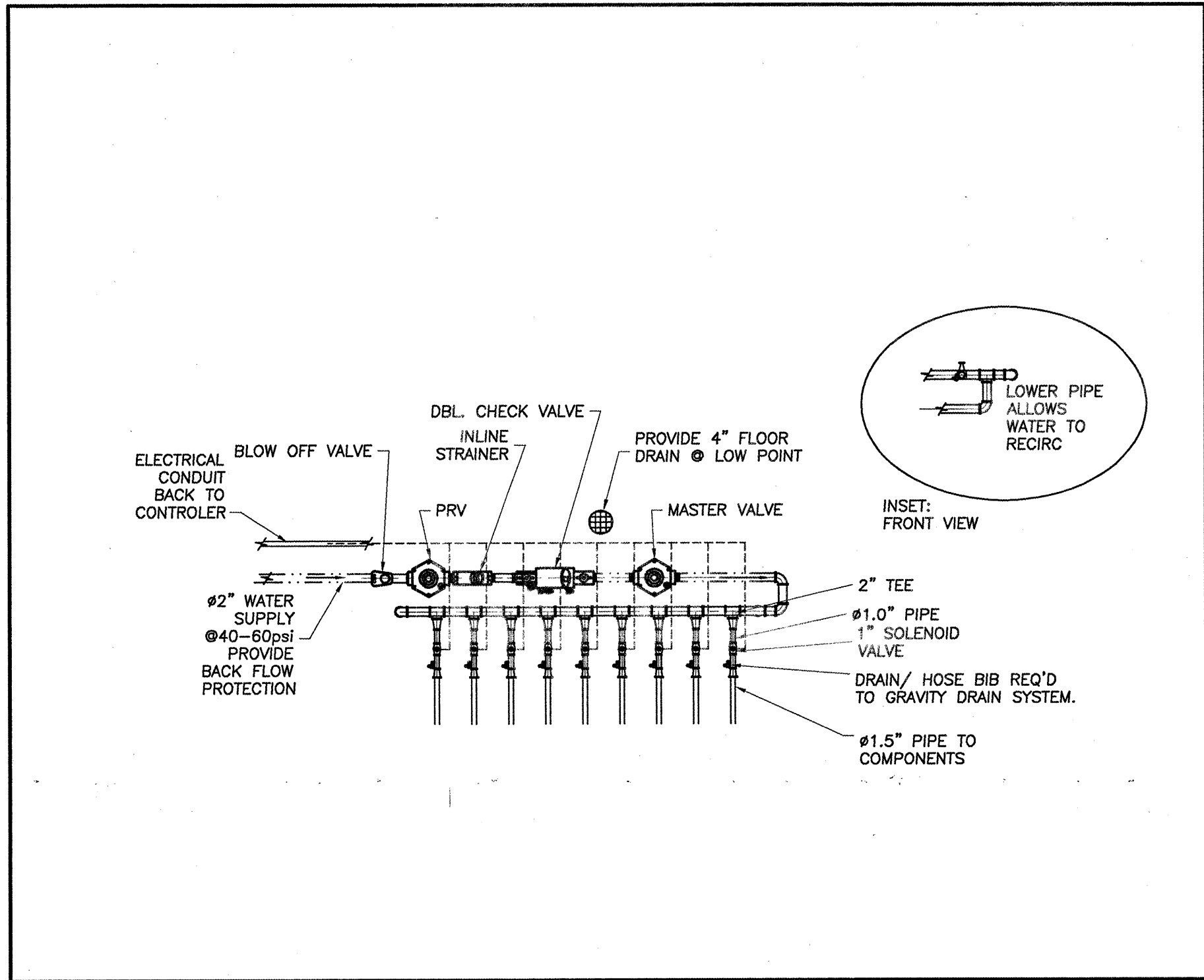
**CITY OF ALBUQUERQUE**  
**PARKS & RECREATION DEPARTMENT**  
TITLE: WESTGATE AQUATIC PLAYGROUND  
FOUNDATION, ROOF FRAMING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
DATE: 11/17/00	DATE: 11/17/00		
REVISIONS	DESIGN		
DESIGN BY: SEC	DATE: 11/13/00		
DRAWN BY: SEC	DATE: 11/13/00		
CHECKED BY: SEC	DATE: 11/13/00		
CITY PROJECT NO. 6507.91	ZONE MAP NO. A-00-Z	SHEET 11	OF 18

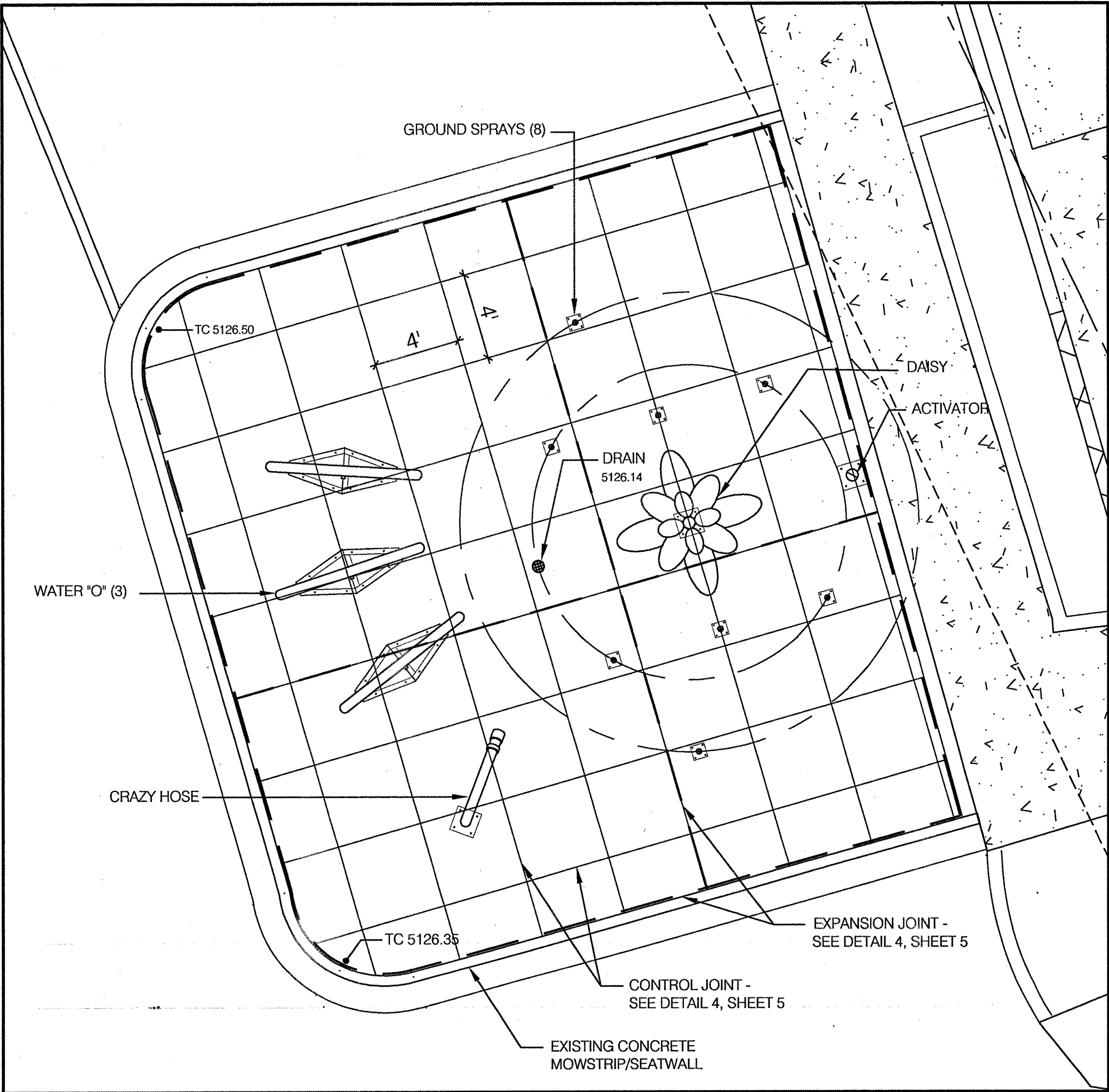
AS-BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	ARCHITECT/ENGINEER SEAL
CONTRACTOR: DATE: WORK: DATE: BY: DATE: FIELD: DATE: CHECKED BY: DATE: MICRO-FILM INFORMATION: NO. DATE:	BR/ACS SURVEY MONUMENT * BH-39, FROM THE INTERSECTION OF I-40 AND COORS RD. NW GO NORTH ON COORS 0.4 MILES TO OURAY RD. NW, TURN LEFT, GO WEST ON OURAY APPROX. 0.7 MILES TO THE END OF PAVEMENT CONTINUE WEST 0.9 MILES ON THE NORTH BANK OF THE RIO GRANDE TO THE INTERSECTION OF THE COORS RD. ON THE LEFT CROSSROAD, TURN LEFT, GO NORTH ON THE DIRT ROAD 0.1 MILES TO THE STATION ON THE RIGHT. THE STATION MARK IS A BOHANNAN/HUSTON BRASS CAP STAMPED "BH-39" SET 0.2 FEET BELOW GROUND. ELEV. = 5195.46	FIELD NOTES: NO. BY DATE:	REMARKS: NO. DATE:

FINISHED FLOOR ELEVATION
100'-0" =

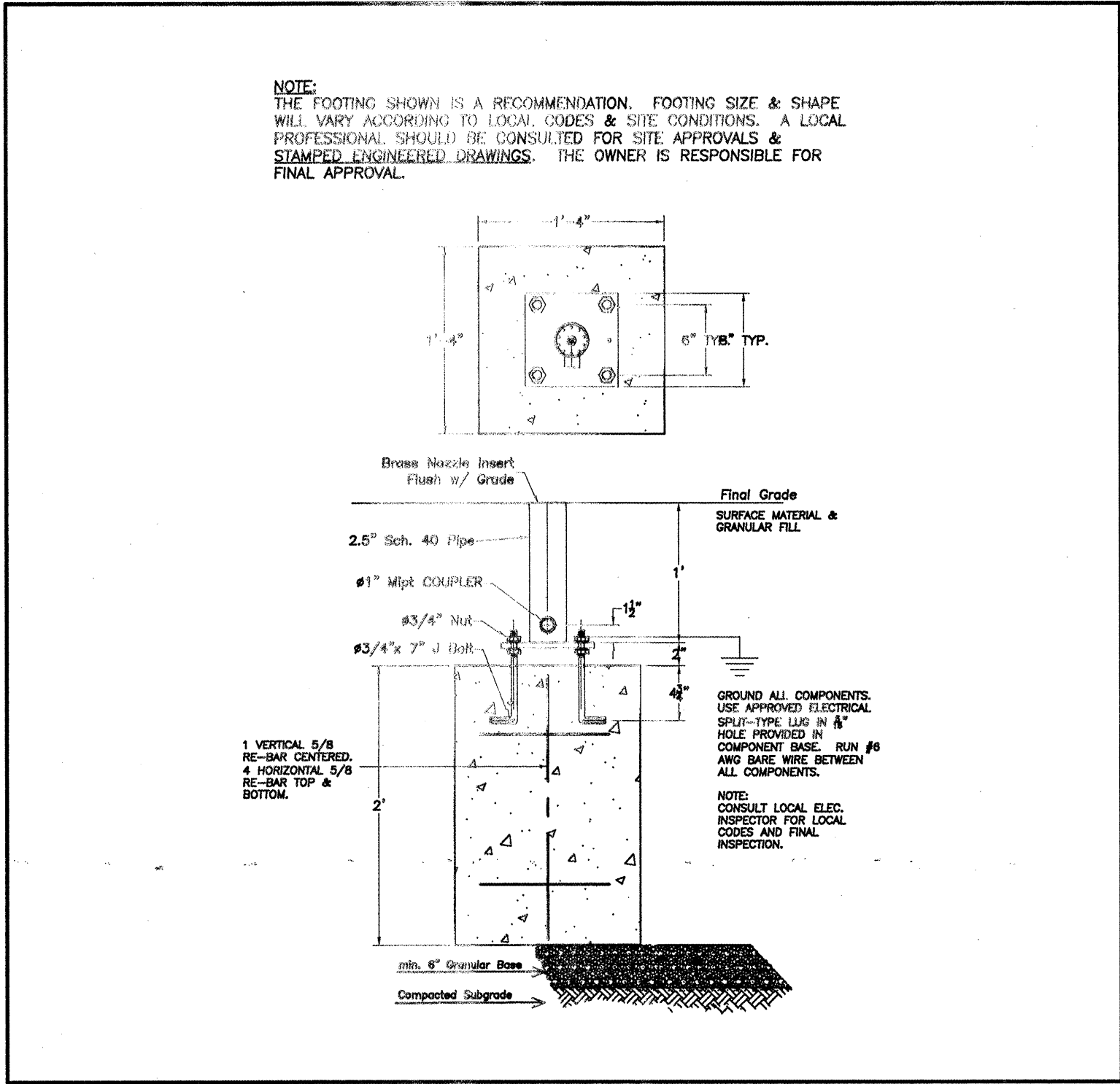




9 VALVE MANIFOLD LAYOUT  
SCALE: 1"= 3'

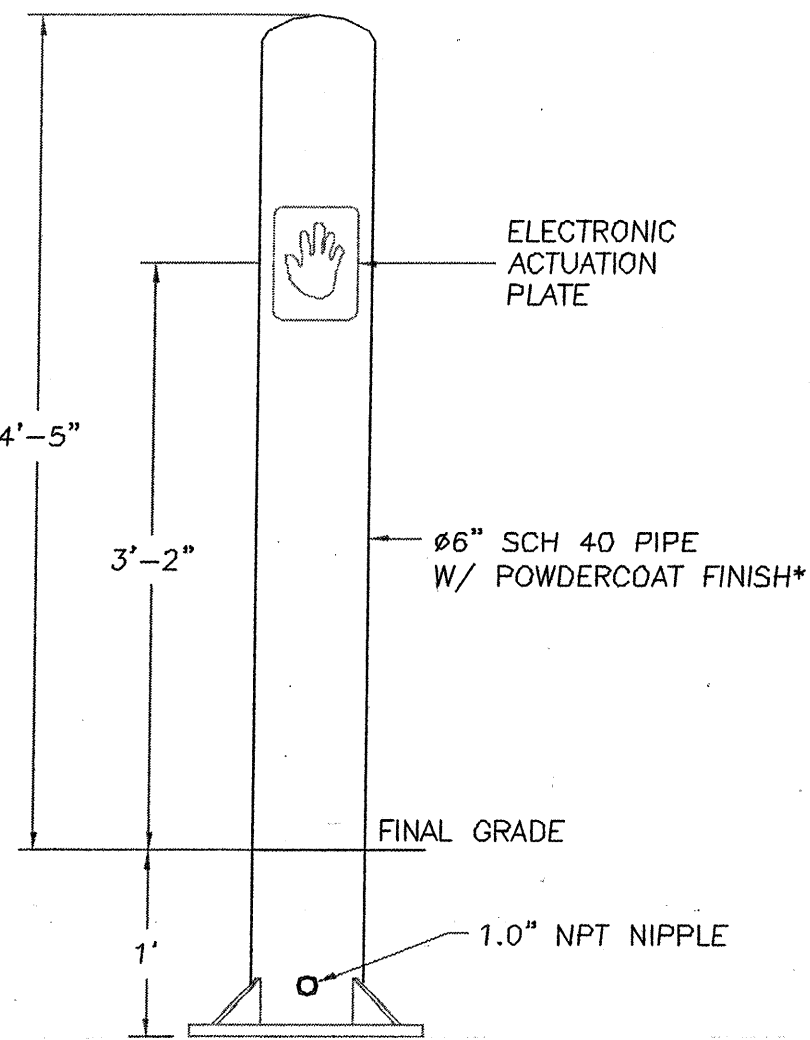


LAYOUT PLAN  
SCALE: 1"= 5'



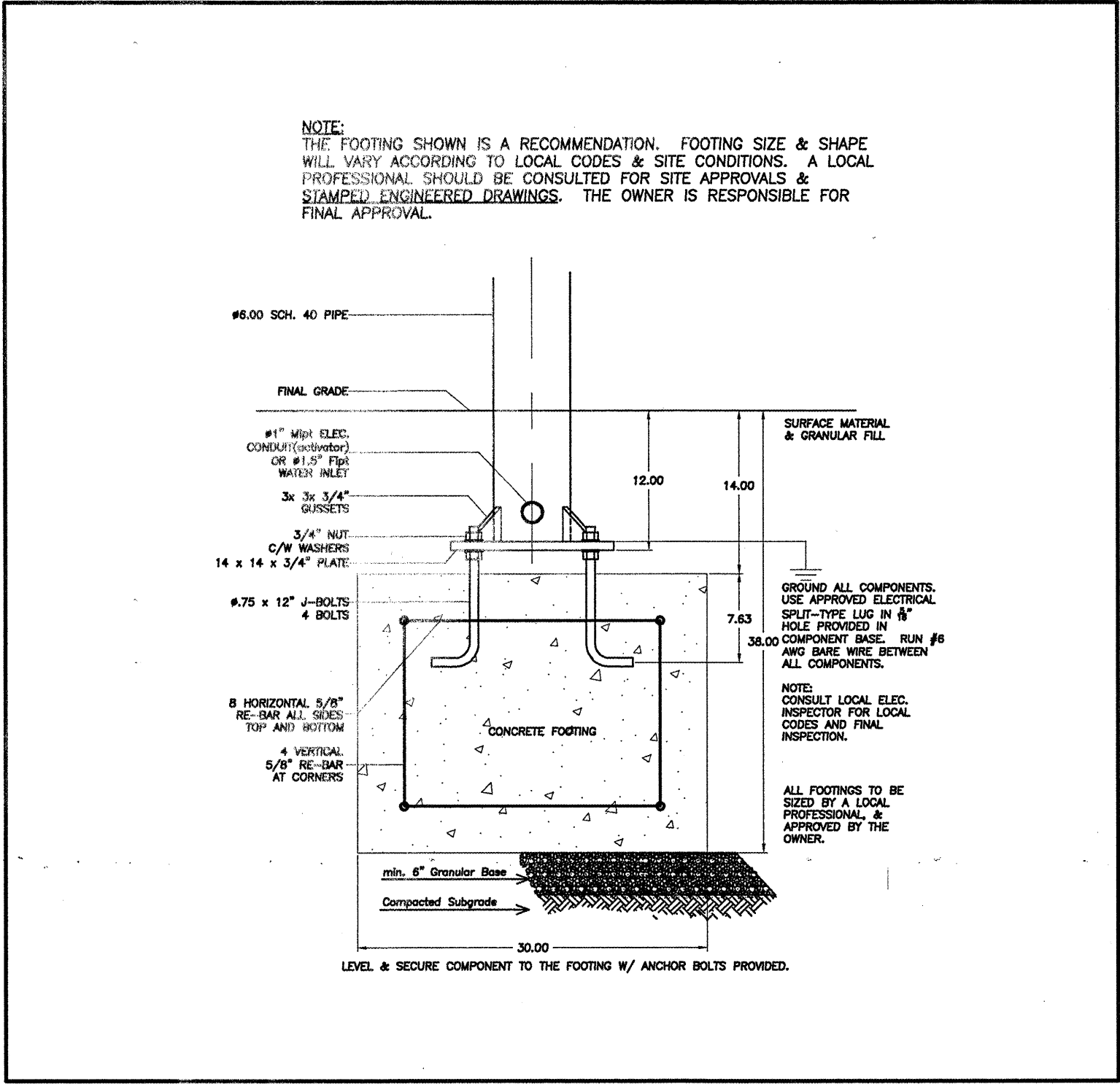
WATERPLAY GROUND SPRAY FOOTING  
SCALE: 1"= 1'

- GENERAL GRADING/PAVEMENT NOTES:
1. SLOPES TO BE NO GREATER THAN 1:15 (6.6%)
  2. MINIMUM SLOPE SHALL BE GREATER THAN 1:66 (1.5%)
  3. ENSURE THAT THERE ARE NO LOW POINTS TO CAUSE POOLING OF WATER.
  4. EXPANSION JOINTS AND CONTROL JOINTS PER DETAIL 4, SHEET 5.
  5. CONCRETE TO BE 4,000 PSI WITH MEDIUM BROOM FINISH AND 1" SMOOTH TROWEL EDGE AROUND EACH PANEL. CONCRETE TO INCLUDE INTEGRAL COLOR (COLOR: PEBBLE BEIGE BY QC CONSTRUCTION PRODUCTS (800) 453-8213, OR APPROVED EQUAL).
  6. NEW CONCRETE SHALL BE PLACED FLUSH WITH EXISTING CONCRETE SIDEWALK.

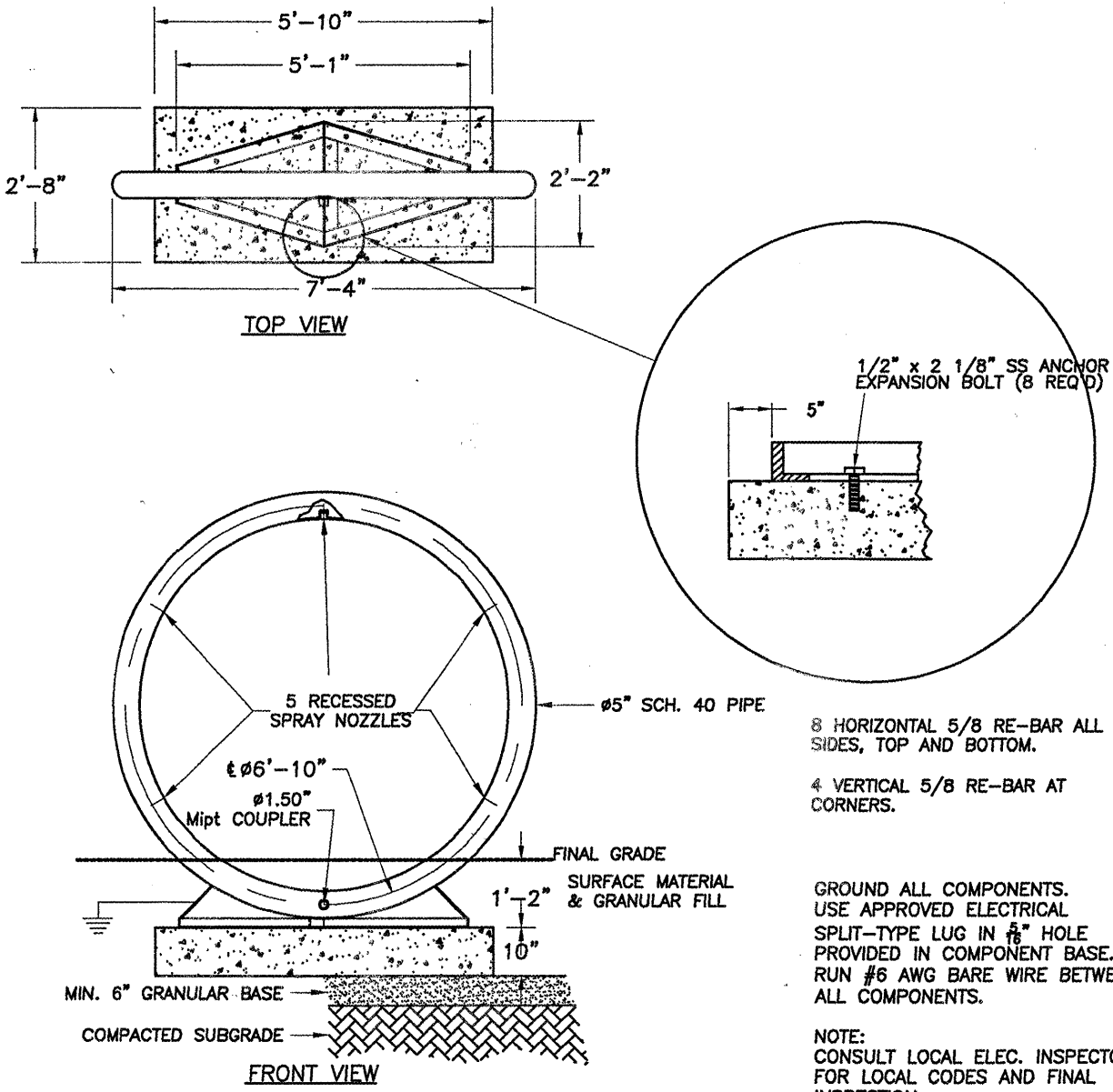


ACTIVATOR BOLLARD

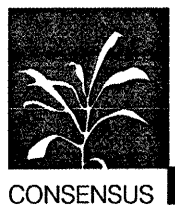
N.T.S.



WATERPLAY STD COMPONENT FOOTING  
SCALE: 1"= 1'



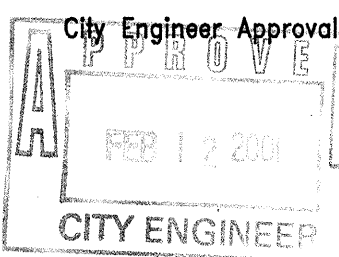
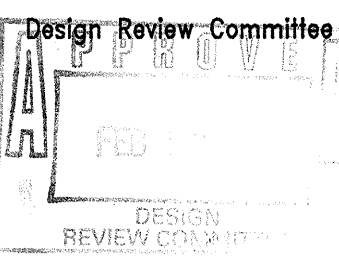
WATERPLAY WATER "O" FOOTING  
SCALE: 1"= 3'



**CONSensus PLANNING, INC.**  
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e-mail: cp@consensusplanning.com

CITY OF ALBUQUERQUE  
PARKS AND RECREATION DEPARTMENT

TITLE: WESTGATE C.C. AQUATIC PLAYGROUND  
WATERPLAY LAYOUT AND DETAILS



Last Design Update

No. / Day / Yr.	No. / Day / Yr.

City Project No.: 650791

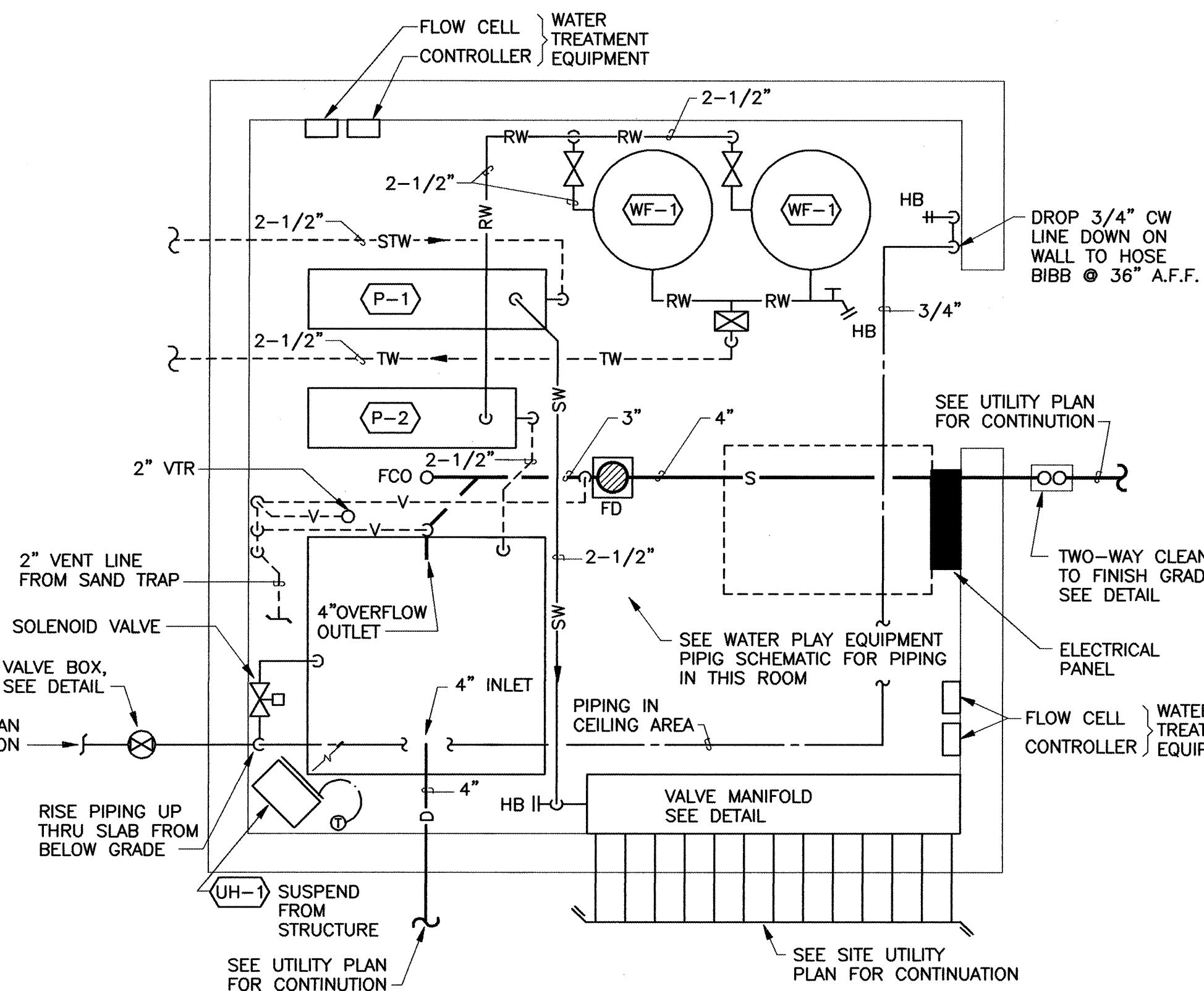
Zone Map No. M-9

Sheet 12 of 18

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL		REMARKS	
CONTRACTOR	DATE			FIELD NOTES	DATE			BY	
WORKED BY	DATE			NO.					
INSPECTOR'S ACCEPTANCE BY	DATE								
VERIFICATION BY	DATE								
DRAWINGS BY	DATE								
MICRO-FILM INFORMATION									
RECORDED BY	DATE								
NO.									







SCALE: 1/2" = 1'-0"

SYMBOL LEGEND		
ABBR.	SYMBOL	DESCRIPTION
RW	— RW —	RETURN WATER (UNTREATED)
SW	— SW —	SUPPLY WATER (TREATED)
TW	--- TW ---	TREATED WATER (BELOW GRADE)
S	— S —	SOIL LINE
V	-----	SANITARY VENT PIPING
D	— D —	DRAIN LINE
CW	-----	COLD WATER LINE

SCALE: 1/8" = 1'-0"

A. CONTRACTOR NOTE: THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE SURVEY PROVIDED ARCHITECT, SITE INSPECTION, PREVIOUS EXISTING CONSTRUCTION DRAWINGS/RECORDS, AND DISCUSSIONS MUNICIPAL OFFICIALS. IT IS POSSIBLE THAT THE EXACT LOCATION OF BURIED LINES IN THE IMMEDIATE VICINITY OF THE PROPOSED BUILDING MAY BE SOMEWHAT DIFFERENT FROM THE LOCATION SHOWN ON THIS DRAWING. IF ADDITIONAL LINES ARE ENCOUNTERED, THEY SHOULD BE EXPOSED AND IDENTIFIED BY THIS CONTRACTOR. WHERE ADDITIONAL LINES AND/OR DIFFERING LOCATIONS ARE ENCOUNTERED, THIS CONTRACTOR SHALL REQUEST THAT THE ARCHITECT ISSUE A RULING AS TO ANY NECESSARY CHANGE OF MATERIALS, RE-ROUTING, ABANDONING OR RELOCATING OF SUCH LINES.

B. ALL WORK ON UTILITIES SHALL NOT BE ACCEPTED BY THE ARCHITECT OR MECHANICAL ENGINEER DUE TO IMPROPER WORKMANSHIP OR LACK OF PROPER COORDINATION SHALL BE REMOVED AND CORRECTLY INSTALLED AT THE MECHANICAL CONTRACTOR'S EXPENSE, AS DIRECTED.

C. MINIMUM DEPTH BELOW GRADE (COVER): WATER - 48" SEWER - 24" GAS - 18"

D. SPECIFIC: THE CONTRACTOR SHALL BEAR ALL COSTS AND BE TOTALLY RESPONSIBLE FOR ALL OF THE UTILITY SERVICES AND THEIR COMPLETE INSTALLATION, AS SHOWN ON THE CONTRACT DRAWINGS, AND/OR DETAILS AND SPECIFICATIONS.

E. THE CONTRACTOR SHALL AND MUST INCLUDE IN HIS BID, THE COST OF ALL WORK AND EQUIPMENT COMPLETE WITH ALL COMPONENTS, ACCESSORIES AND APPLICATIONS, WHETHER FURNISHED AND/OR INSTALLED BY THE CONTRACTOR OR OTHERS (I.E. BY PUBLIC UTILITY COMPANIES OR BY MUNICIPALITIES). THE CONTRACTOR'S COSTS SHALL INCLUDE (BUT ARE NOT LIMITED TO) CHARGES FOR ALL PERMITS, LICENSES, FRONTAGE FEES, METERS, PIPES, BACKFLOW PREVENTERS, DETECTOR CHECK VALVES, CHECK VALVES, PRESSURE REGULATORS, ETC. HE SHALL ALSO INCLUDE ANY CURRENT CHARGES THAT MAY BE REQUIRED BY PUBLIC UTILITY COMPANIES OR BY MUNICIPALITIES IN PROVIDING ALL SERVICES REQUIRED BY THIS PROJECT.





- F. THIS CONTRACTOR IS TOTALLY RESPONSIBLE FOR CONTACTING PUBLIC UTILITY COMPANIES, MUNICIPALITIES, AND/OR OTHERS HAVING JURISDICTION ON UTILITY SERVICES (PRIOR TO SUBMITTING HIS BID) FOR ALL CURRENT INFORMATION ON FEE CHARGES AND ALL OTHER COST EXPENSES REQUIRED IN PROVIDING COMPLETE AND FULLY OPERATING UTILITY SERVICES TO THIS PROJECT; HE SHALL INCLUDE SUCH COSTS IN HIS BID. NO ADDITIONAL PROVISIONS SHALL BE ALLOWED FOR THE CONTRACTOR'S NEGLIGENCE IN ATTAINING ALL SUBJECT COSTS REQUIRED IN PROVIDING A COMPLETE INSTALLATION AND COMPLETE OPERATING UTILITY SERVICES FOR THIS PROJECT.
- G. REFER TO CIVIL PLANS FOR COORDINATION WITH FINAL ENGINEERED AND EXISTING UTILITIES, AND OTHER SITE IMPROVEMENTS. ALSO REFER TO CIVIL, LANDSCAPING, AND ELECTRICAL DRAWINGS, AND OTHER DRAWINGS INCLUDED IN THIS SET OF CONTRACT DOCUMENTS.
- H. THIS CONTRACTOR SHALL COORDINATE CUT-OFF OF EXISTING UTILITIES FOR NEW CONNECTIONS WITH PUBLIC UTILITY COMPANY AND/OR MUNICIPALITY ENGINEERING OFFICIALS AND THE OWNER. HE SHALL CONFORM TO THEIR REQUIREMENTS. THE UTILITIES' CONNECTION POINTS SHOWN ON PLANS ARE APPROXIMATE ONLY. EACH BIDDER SHALL THOROUGHLY SATISFY HIMSELF AS TO EXISTING SITE CONDITIONS BEFORE SUBMITTING HIS BID. NO ADDITIONAL COST ALLOWANCE SHALL BE MADE AFTER THE CONTRACT IS AWARDED TO THE LOW BIDDER FOR LACK OF THE CONTRACTOR'S PRE-BID INSPECTION OF THE SITE BY THE SUCCESSFUL BIDDER.
- I. SEWER PIPING BELOW SLAB OR PAVING, OR WITHIN 10' OF WATER LINES SHALL BE STANDARD WEIGHT CAST IRON.
- J. THIS CONTRACTOR SHALL SCHEDULE AND COORDINATE ALL UTILITY WORK (DOMESTIC WATER, SEWER, ETC.) WITH ARCHITECT, OVER PUBLIC UTILITY COMPANY AND ENGINEERING OFFICIALS AND SHALL SHALL CONFORM TO THEIR REQUIREMENTS.

- K. CONTRACTOR SHALL EXPOSE AND VERIFY INVERT ELEVATIONS OF RELEVANT SEWER LINES AND MANHOLES BEFORE SETTING ANY NEW INVERTS (EITHER INSIDE BUILDING AREA OR ON SITE). SHOULD INVERTS DIFFER GREATLY FROM THOSE SHOWN ON THESE DRAWINGS, THE ARCHITECT SHALL BE NOTIFIED AND A DECISION MADE AS TO ANY CHANGE IN MANHOLE INVERTS, CHANGES IN ROUTING AND/OR CHANGE IN ON-SITE SEWER LINE SLOPES AND INVERTS.
- L. ALL MATERIALS (VALVES, MANHOLES, FIRE HYDRANTS, UTILITY LINES, ETC.), REMOVED FROM THE SITE ARE TO BE TURNED OVER TO THE OWNER'S MAINTENANCE PERSONNEL, OR DISPOSED OF AS DIRECTED BY OWNER OR HIS REPRESENTATIVE.
- M. CONTRACTOR SHALL SUBMIT IN WRITING, 10 DAYS PRIOR TO ANTICIPATED SHUT-DOWN OF EXISTING UTILITIES OR MAKE ANY NEW CONNECTIONS REQUIRED, INDICATING OWNER LOCATIONS OF CONNECTIONS AND AREAS AFFECTED BY SHUT-DOWN. IF A CANCELLATION OF NEW CONNECTIONS AND SHUT-DOWN IS REQUIRED, A 72-HOUR NOTICE WILL BE REQUIRED AND BE DELIVERED, IN WRITING, TO THE OWNER AND A NEW SCHEDULE SHALL BE SUBMITTED. IF CANCELLATION OF AN ADDITIONAL INFORMATION, THE OWNER WILL NOTIFY CONTRACTOR AND VERIFY THAT ANTICIPATED SHUT-DOWNS AND SCHEDULES ARE ACCEPTABLE.
- N. UTILITIES CONNECTIONS REQUIRING MAJOR SHUT-DOWN OF EXISTING FACILITIES SHALL BE SCHEDULED DURING OFF-HOURS, SUCH AS EVENINGS AND WEEKENDS, AND MUST BE SCHEDULED AND APPROVED BY OWNER AND ARCHITECT.
- O. CONTRACTOR SHALL SUBMIT TO OWNER A SCHEDULE FOR PHASING OF CONSTRUCTION, INDICATING AREAS OF FIRST PRIORITY DURING EACH PHASE, APPROXIMATE COMPLETION DATES FOR EACH AREA AND PHASE. OWNER WILL REVIEW THESE SCHEDULES AND NOTIFY CONTRACTOR OF ANY CONCERN OR CHANGE IN PRIORITY, ETC., IN ORDER TO AVOID BUILDING SCHEDULES ACCORDINGLY. CUTTING AND PATCHING OF EXISTING SIDEWALKS, PAVING, CURBS, ETC., ARE INCLUDED IN THIS CONTRACT.

- P. CAUTION NOTES: THE CONTRACTOR SHALL HAND EXCAVATE FOR INSTALLATION OF ALL NEW UTILITIES CROSSING EXISTING ELECTRICAL (SEE ELECTRICAL DRAWINGS) AND NATURAL GAS LINED UTILITIES. HAND EXCAVATION SHALL BE PERFORMED SIX (6) FEET BEYOND THESE UTILITIES IN EACH DIRECTION. TYPICAL IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SUPPORT AND PROTECTION FOR EXISTING UTILITIES BEING CROSSED BY NEW UTILITIES AND UNDERMINED BY THE REQUIRED EXCAVATION.
- Q. THIS CONTRACTOR SHALL INSTALL PROPER (OSHA) BARRICADES IN PEDESTRIAN AND VEHICULAR TRAFFIC AREAS AS NEEDED TO INSURE SAFETY AND THAT ALL FEDERAL, STATE AND LOCATE STANDARDS ARE COMPLIED WITH.
- R. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROMPTLY COVER ALL PIPE TRENCHES AND OTHER EXCAVATION SITES TO MINIMIZE ANY POTENTIAL HAZARDS.

FOR INFORMATION ONLY



100316  		<h1 style="margin: 0;">CITY OF ALBUQUERQUE</h1> <h2 style="margin: 0;">PARKS &amp; RECREATION DEPARTMENT</h2>															
<h3 style="margin: 0;">TITLE: WESTGATE AQUATIC PLAYGROUND SITE UTILITY PLAN</h3>																	
<b>SMITH ENGINEERING</b> A FULL SERVICE ENGINEERING COMPANY  6400 UPTOWN BOULEVARD, N.E. SUITE 300 ALBUQUERQUE, NEW MEXICO 87110  FAX (505) 884-2376 VOICE (505) 884-0700 SEC@SMWORLD.NET,ATTN:JEN	DESIGN REVIEW COMMITTEE 	CITY ENGINEER APPROVAL 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">MO./DAY/YR.</th> <th style="width: 10%;">MO./DAY/YR.</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">AA</td><td style="text-align: center;">AA</td></tr> <tr><td style="text-align: center;">AA</td><td style="text-align: center;">AA</td></tr> <tr><td style="text-align: center;">AA</td><td style="text-align: center;">AA</td></tr> <tr><td style="text-align: center;">AA</td><td style="text-align: center;">AA</td></tr> <tr><td style="text-align: center;">AA</td><td style="text-align: center;">AA</td></tr> <tr><td style="text-align: center;">AA</td><td style="text-align: center;">AA</td></tr> </tbody> </table>	MO./DAY/YR.	MO./DAY/YR.	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA
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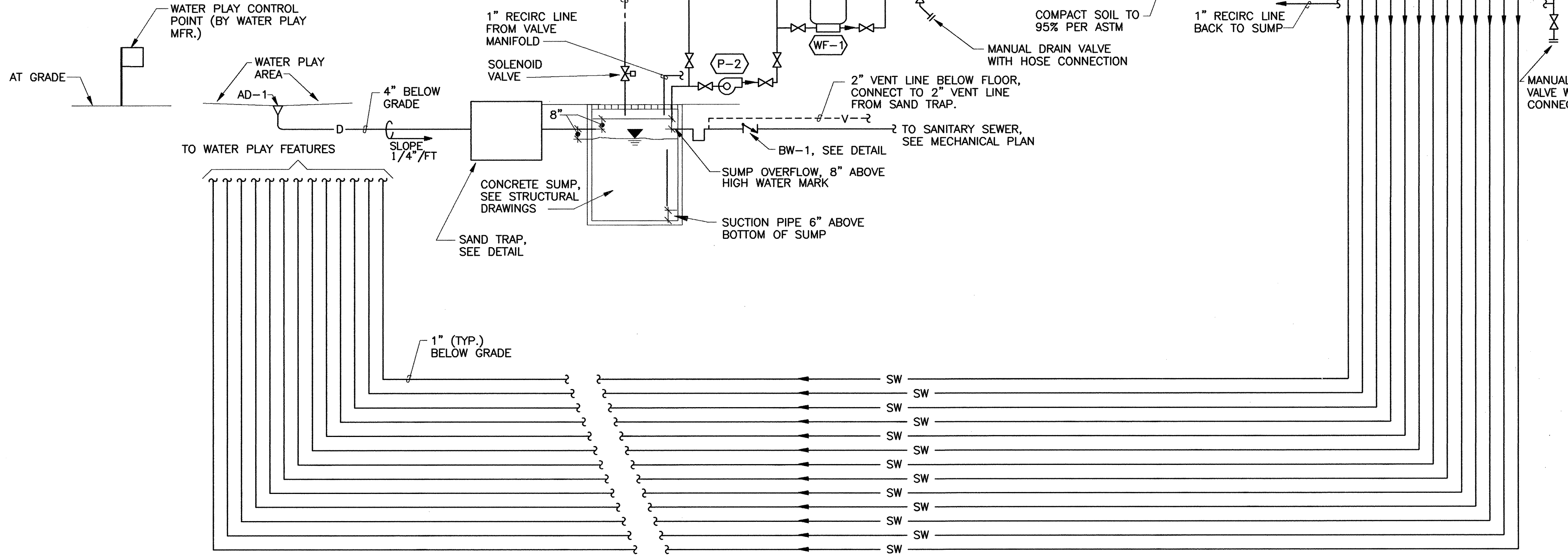
EQUIPMENT SCHEDULE						
SYMBOL	DESCRIPTION					
P-1	PUMP: ASTRAL MEDIUM HEAD CAST IRON SELF-PRIMING SWIMMING POOL PUMP, CAST IRON CONSTRUCTION WITH PRECISION CAST BRONZE IMPELLERS COMPLETE WITH HAIR AND LINT STRAINER.					
	SYMBOL	MODEL	GPM	HEAD	HP	RPM VOLT/PH
	P-1		130	115	5	3450 208/3
P-2	PUMP: JACUZZI MAGNUM FORCE SELF-PRIMING SWIMMING POOL PUMP, ONE PIECE PLASTIC CASE, COMPLETE WITH HAIR AND LINT STRAINER.					
	SYMBOL	MODEL	GPM	HEAD	HP	VOLT/PH
	P-2	3MF	100	60	3	208/3
WF-1	WATER FILTER: JACUZZI TRI-C.L.O.P.S. MODEL TC-300, WITH A FILTRATION AREA OF 300, CAPABLE OF 112 GPM AND 54,000 GALLONS CIRCULATED IN AN 8-HOUR PERIOD.					
ST-1	STORAGE TANK: 3,000 GALLON, 10 GAUGE, BLACK STEEL WATER TANK, BUILT AND INSTALLED BY AWWA D100, 6'-0" DIAMETER X 8'-0" TALL WITH 24" DIAMETER HINGED AND LOCKABLE MAINWAY, 3 EACH 2" FEMALE FITTINGS ON SIDE AND 3 EACH 2" FEMALE FITTINGS ON TOP. INTERIOR SHALL BE SAND BLASTED, PRIMED AND PAINTED WITH A NSF APPROVED EPOXY COATING. COMPATIBLE WITH POOL INSTALLATION EXTERIOR SHALL BE PRIMED AND PAINTED.					
WT-1	WATER TREATMENT SYSTEM: CHEMICAL AUTOMATION TECHNOLOGIES INC. WATER TREATMENT SYSTEM COMPLETE WITH CAT 2000 PLUS PROGRAMMABLE CONTROLLER, FLOW CELL KIT, ROTARY FLOW SENSOR, CAT CO2 PH CONTROL, CHEMICAL PUMP, PRESSURE DIFFERENTIAL VALVE, PH SENSOR, ORP SENSOR, SOLENOID VALVES, CONTROL AND SENSOR CABLES, PIPING AND ALL ITEMS REQUIRED FOR A COMPLETE OPERATING SYSTEM. PROVIDE 6 MONTHS SUPPLY OF WATER TREATMENT SOLUTION FACTORY START UP AND CALIBRATION.					
UH-1	UNIT HEATER: SHALL BE ELECTRIC RESISTANCE WALL MOUNTED, HORIZONTAL UNIT. THE CABINET SHALL BE 18 GAUGE STEEL WITH A FACTORY BAKED ENAMEL FINISH AND INDIVIDUAL ADJUSTABLE LOUVERS FOR DIRECTIONAL AIR FLOW. THE ELECTRICAL HEATING BANK SHALL HAVE METAL SHEATH HEATING ELEMENTS AND AUTOMATIC RESET THERMAL OVERLOAD PROTECTION. MOTOR SHALL BE FULLY ENCLOSED, CONTINUOUS FAN DUTY, SLEEVE BEARING TYPE WITH THERMAL OVERLOAD PROTECTION AND VIBRATION ISOLATION. FAN SHALL BE ALUMINUM, DYNAMICALLY BALANCED WITH GUARD. FURNISH COMPLETE WITH WALL MOUNTING BRACKET AND WALL MOUNTED THERMOSTAT. UNIT SHALL BE BERKO OR EQUAL.					
	SYMBOL	MODEL	CFM	WATTS	BTUH	VOLT/PH
	UH-1	HUHA-320	350	14.5	10,200	208/1
HB	HOSE BIBB: NIBCO FIGURE #63VB OR 763VB FOR GALVANIZED OR COPPER PIPING WITH VACUUM BREAKER.					
	TRAP --	VENT --	CW 1/2"		HW --	
FCO	FLOOR CLEANOUT: ZURN-Z-1400-BP CAST IRON C.O., WITH ROUND SCORIATED TOP.					
FD	FLOOR DRAIN: ZURN-Z-415 SERIES, CAST IRON BODY WITH NICKEL BRASS STRAINER, CLAMPING COLLAR, AND VANDAL PROOF SCREWS.					
	TRAP 3"	VENT 2"	CW --		HW --	
AD-1	AREA DRAIN: WADE W-1743 CAST IRON, INTEGRAL CLAMPING COLLAR, SEDIMENT BUCKET AND HEAVY DUTY GRATE. 3" SIZE.					
TP-1	TRAP PRIMER: PRECISION PLUMBING PRODUCTS MODEL PR-500 AUTOMATIC BRASS TRAP PRIMER FOR INSTALLATION WITH ONE FLOOR DRAIN, ACTIVATED ON DROP IN BUILDING WATER PRESSURE.					
BV-1	BACKWATER VALVE: ZURN MODEL Z-1808 GATE TYPE BACKWATER VALVE, DURA-COATED CAST IRON BODY WITH AUTOMATIC FLAPPER TYPE BACKWATER VALVE ADJACENT TO INLET AND SPADE TYPE BRONZE GATE VALVE WITH O-RING SEAT ADJACENT TO OUTLET EASILY CONTROLLED AT FLOOR LEVEL BY LEVEL COVERED HANDLE ENGAGING BRONZE NON-RISING STEM. SIZE AS INDICATED.					
BFP-1	BACKFLOW PREVENTOR: WILKINS MODEL 975XL 1" REDUCED PRESSURE BACKFLOW PREVENTION DEVICE WITH BALL VALVES, CAST BRONZE MAINCASE, CHECK VALVE ASSEMBLY WITH STAINLESS STEEL SPRINGS, BRONZE BODY, WORKING PRESSURE OF 175 PSI AND WATER TEMPERATURES OF 33 F TO 140 F, USC AND IAPMO APPROVED.					

- SEQUENCE OF CONTROL**
- THE WATER PLAY FEATURES SHALL CONTROL PUMP P-1 AND VALVES TO OPERATE TOGETHER AS PART OF ITS OWN CONTROLS. FLOAT VALVE IN STORAGE TANK ST-1 SHALL OVERRIDE OPERATION OF P-1 WHEN WATER LEVEL IN TANK IS LESS THAN 25% OF TANK VOLUME. THE FLOAT SHALL BE A CONTINUOUS LEVEL MONITORING UNIT UTILIZING ELECTRIC SENSORS ITS ENTIRE LENGTH. FLOAT SHALL BE CALIBRATED FOR THE STORAGE TANK.
  - THE WATER SUPPLY PUMP P-2 SHALL OPERATE WHEN FLOAT IN SUMP REACHES NORMAL WATER LEVEL (BASED ON DRAIN FROM WATER PLAY AREA) AND IS SHUT DOWN WHEN FLOAT IN STORAGE TANK (ST-1) REACHES IT WATER LEVEL.
  - THE FLOAT IN THE SUMP SHALL HAVE 4 LEVELS. (HIGH WATER LEVEL WITH ALARM PUMP (P-2) ON, PUMP (P-2) OFF AND LOW LEVEL) AT LOW LEVEL THE SOLENOID VALVE SHALL OPEN UNTIL THE WATER LEVEL IN THE SUMP REACHES ITS NORMAL LEVEL AS DESCRIBED IN ② ABOVE THE SOLENOID VALVE SHALL CLOSE. THE FLOAT SHALL BE A CONTINUOUS LEVEL MONITORING UNIT WHICH USES ELECTRIC SENSORS ITS ENTIRE LENGTH. FLOAT SHALL BE CALIBRATED FOR SUMP.
  - THE WATER TREATMENT SYSTEM SHALL CONTROL DISINFECTANT SUPPLIED TO THE SYSTEM BY THE CONNECTION SUPPLY PIPING. THE SYSTEM SHALL BE SELF CONTAINED AND SHALL NOT DELIVER DISINFECTANT WHEN WATER IS NOT BEING DELIVERED BY PUMP (P-2) DISINFECTANT SHALL BE ACCORDANCE WITH THE UNIFORM SPA AND POOL CODE AND THE STATE OF NM ENVIRONMENTAL CODES AND ORDINANCES.
  - A TIME CLOCK SHALL BE INSTALLED TO SHUT DOWN ENTIRE SYSTEM AFTER HOURS.

- MISC NOTES FOR SEQUENCE OF CONTROL**
- CONTROLS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR FOR A COMPLETE AND OPERATIONAL SYSTEM. SHOP DRAWINGS AND CATALOG CUT SHEETS SHALL BE SUBMITTED FOR REVIEW BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
  - CONTROL DEVICES SHALL BE PROVIDED WHERE REQUIRED INCLUDING CONTROL PANELS, RELAYS, WIRING ETC. AS REQUIRED.
  - ALL CONTROL WIRING SHALL BE INSTALLED IN CONDUIT (1/2" MIN. SIZE) AND IN ACCORDANCE WITH SPECIFICATIONS.
  - ALL CONTROLS SHALL BE COMPATIBLE WITH WATER PLAY INTERCONNECTIONS.
  - THE CONTRACTOR SHALL CAREFULLY COORDINATE CONTROLS WITH WATER PLAY AND PROVIDED ALL REQUIRED LABOR, DEVICES ETC FOR A COMPLETE AND OPERATIONAL SYSTEM. NO ALLOWANCES SHALL BE MADE FOR CONTRACTOR'S NOT PROVIDING A COMPLETE AND OPERATIONAL CONTROL SYSTEM FOR ALL COMPONENTS.

### GENERAL NOTES

- MOUNT CONTROL PANELS ON WALL UP 60" A.F.F. MIN.
- PROVIDE HOUSEKEEPING PADS FOR EQUIPMENT LOCATED ON FLOOR IN PUMP HOUSE.
- ENTIRE INSTALLATION SHALL BE COMPATIBLE WITH WATER PLAY EQUIPMENT AND CONTROLS.
- INSTALL ALL EQUIPMENT ACCORDING TO MFR. DETAILS AND RECOMMENDATIONS.



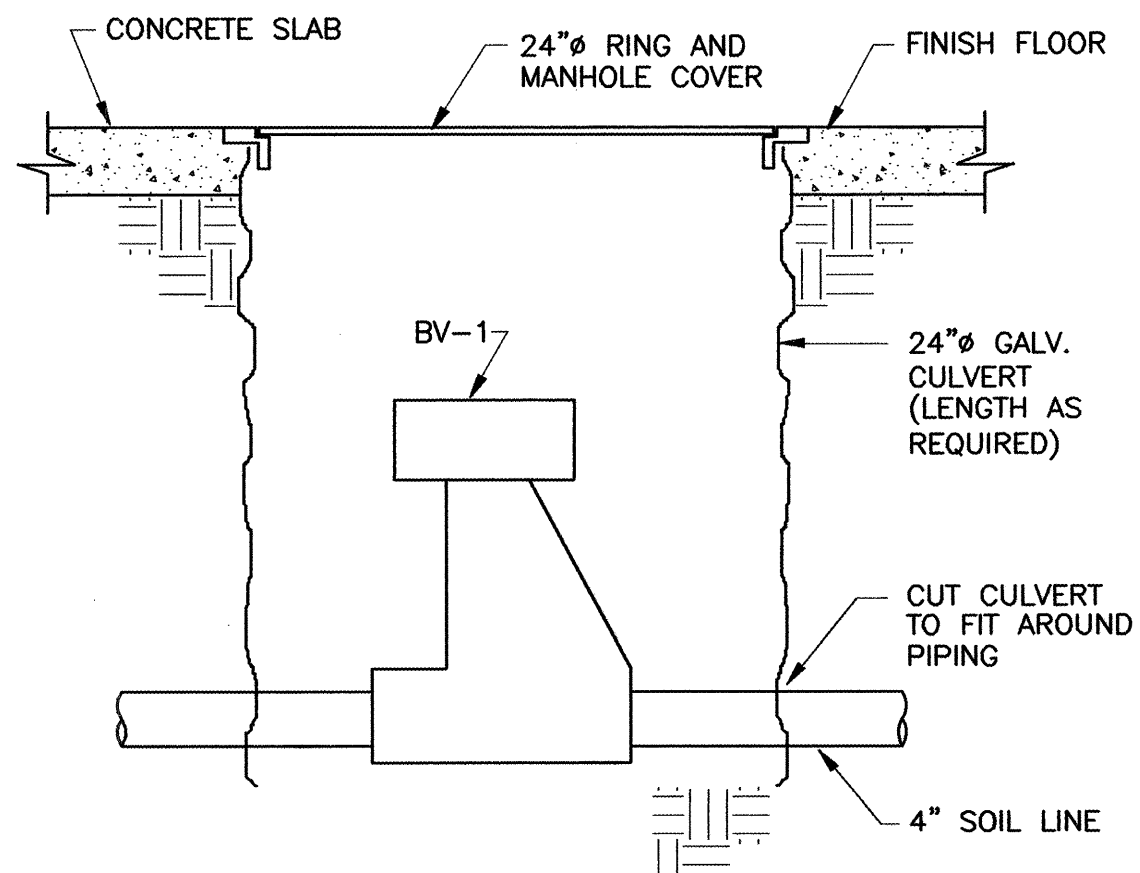
### WATER PLAY EQUIPMENT PIPING SCHEMATICS

SCALE: NONE

### GENERAL PLUMBING NOTES

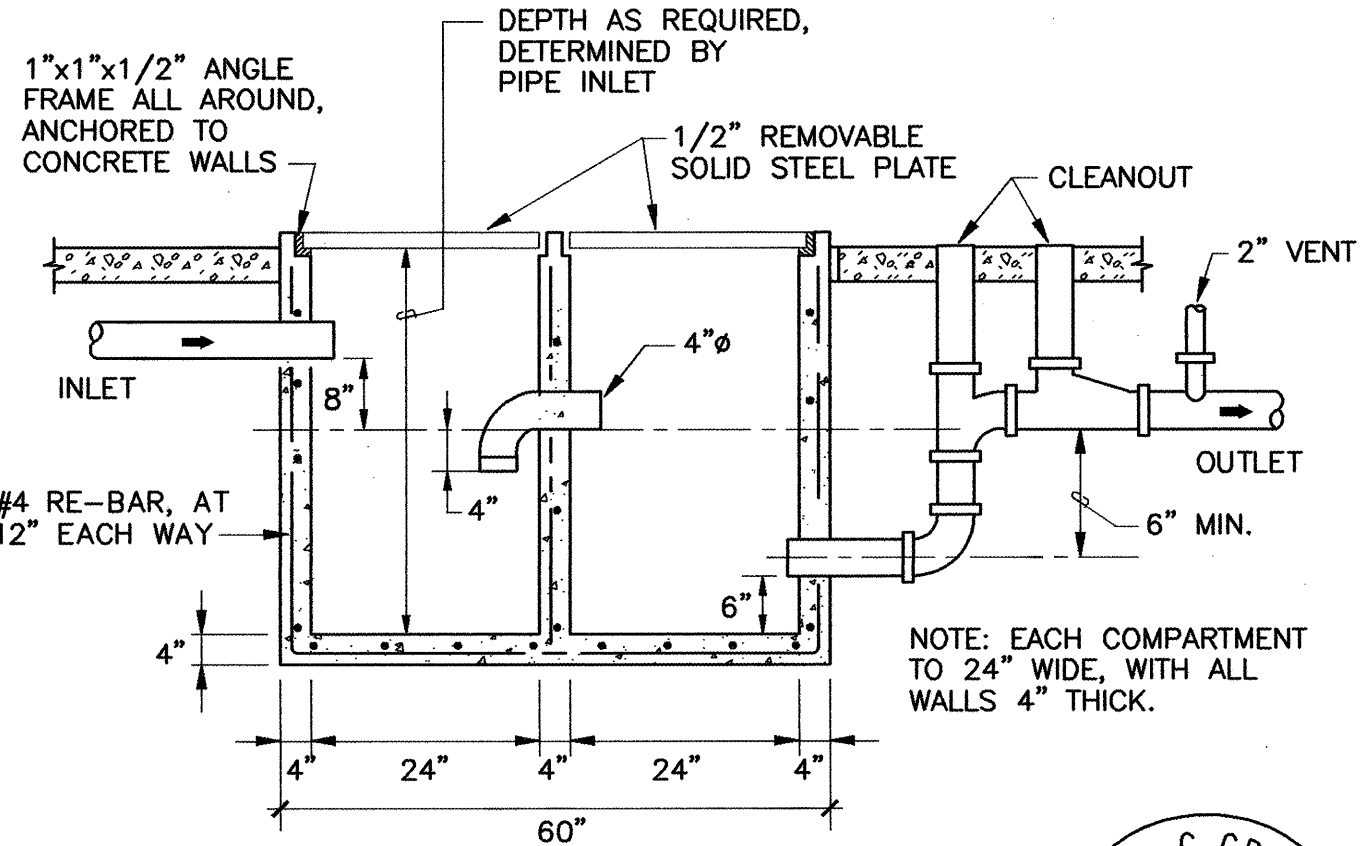
(APPLICABLE TO ALL MECHANICAL AND PLUMBING SHEETS)

- ALL PIPING SHALL BE CONCEALED WHERE POSSIBLE. ALL EXPOSED PIPING, WHERE CONCEALMENT IS NOT POSSIBLE, SHALL BE INSTALLED AND PAINTED AS DIRECTED BY THE ARCHITECT.
- ALL PIPING SHALL BE INSULATED. SEE SPECIFICATIONS.
- ALL PIPING SHALL PITCH TO DRAIN, AND CONTRACTOR SHALL PROVIDE VALVING FOR SYSTEM DRAINAGE. CONTRACTOR SHALL DELIVER A MARKED-UP SET OF PLANS TO THE OWNER (PRIOR TO FINAL PAYMENT) SHOWING ALL BRANCH VALVES AND ALL DRAINAGE POINTS.
- CARE SHALL BE TAKEN TO AVOID MECHANICAL ELECTRICAL EQUIPMENT AND AIR HANDLING EQUIPMENT ABOVE CEILING. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ROUTING OF PIPING WITH CONTRACTOR. RELOCATION OF PIPING AS A RESULT OF POOR COORDINATION BY THIS CONTRACTOR SHALL BE AT OWN EXPENSE.
- NO WATER PIPING SHALL BE LOCATED IN OUTSIDE WALLS, UNLESS SHOWN TO BE AND THEN PIPING TO BE INSULATED AND LOCATED AS CLOSE AS POSSIBLE TO INSIDE OF WALL CAVITY WITH ADDITIONAL INSULATION BETWEEN PIPING AND EXTERIOR OF WALL.
- WRITTEN PRIOR APPROVAL REQUIRED FOR ALL PROPOSED SUBSTITUTIONS OF EQUIPMENT AND MATERIALS, RECEIVED BY ENGINEER, 10 DAYS PRIOR TO BID DATE OF PROJECT TO ALLOW ADEQUATE TIME FOR REVIEW AND RESPONSE.
- ALL TRENCHING AND BACKFILL FOR PIPING SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- ALL SEWER PIPING BELOW FLOOR SLAB (BELOW GRADE) SHALL BE STANDARD WEIGHT HUB AND SPIGOT CAST IRON.
- SECURE ALL PIPING TO WALLS FOR A RIGID INSTALLATION WITH UNISTRUT BRACKETS AND GASKETED PIPE CLAMPS.



### BACKWATER VALVE DETAIL

SCALE: NONE



### SAND TRAP DETAIL

SCALE: NONE

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**CITY OF ALBUQUERQUE**  
**PARKS & RECREATION DEPARTMENT**  
  
TITLE: WESTGATE AQUATIC PLAYGROUND  
PIPING SCHEMATIC

DESIGN REVIEW COMMITTEE  
APPROVED  
FEB 12 2001  
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL  
APPROVED  
FEB 12 2001  
CITY ENGINEER

LAST DESIGN UPDATE  
DATE

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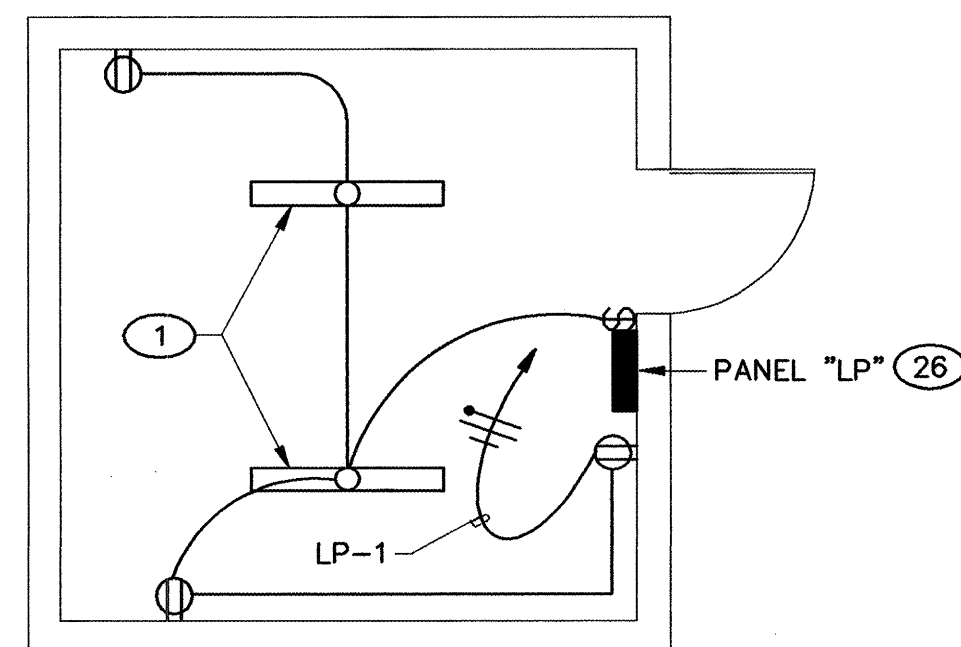
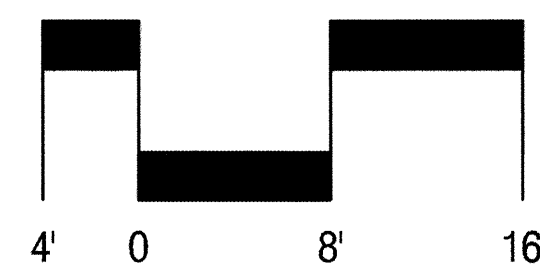
CITY PROJECT NO. 6507.91  
ZONE MAP NO. A-00-Z





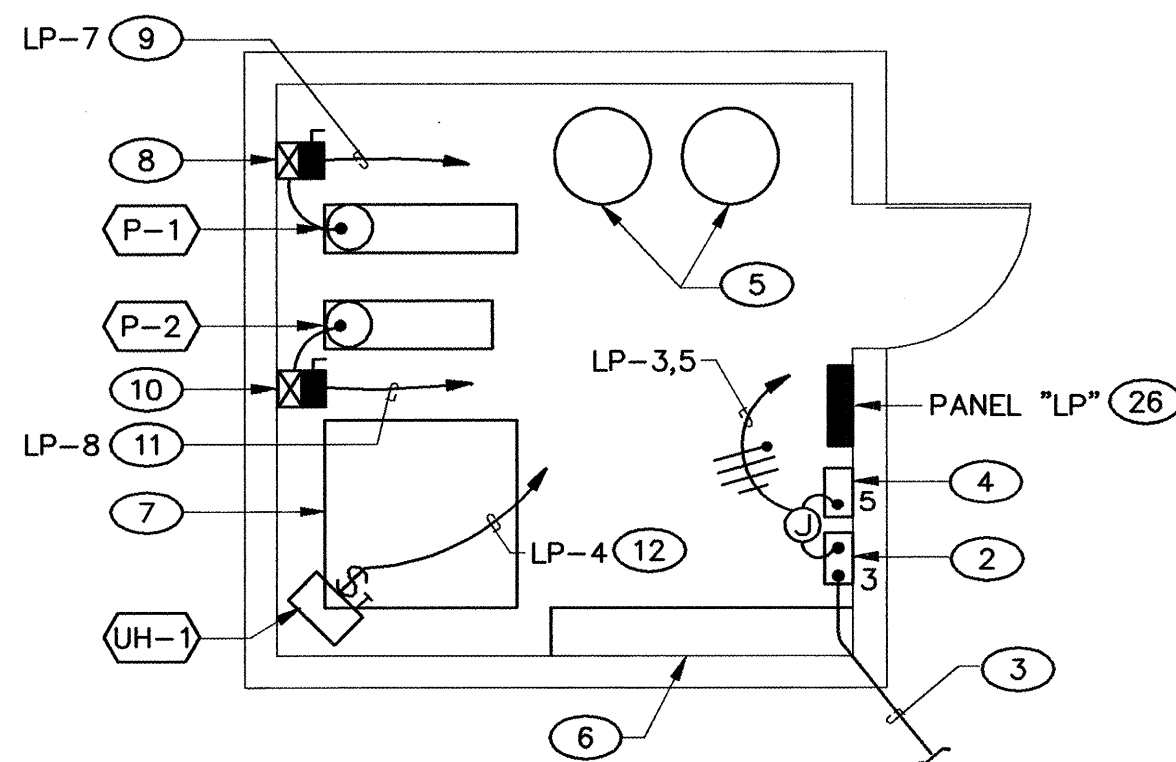
# PARTIAL ELECTRICAL SITE PLAN

SCALE: 1/8" = 1'-0"



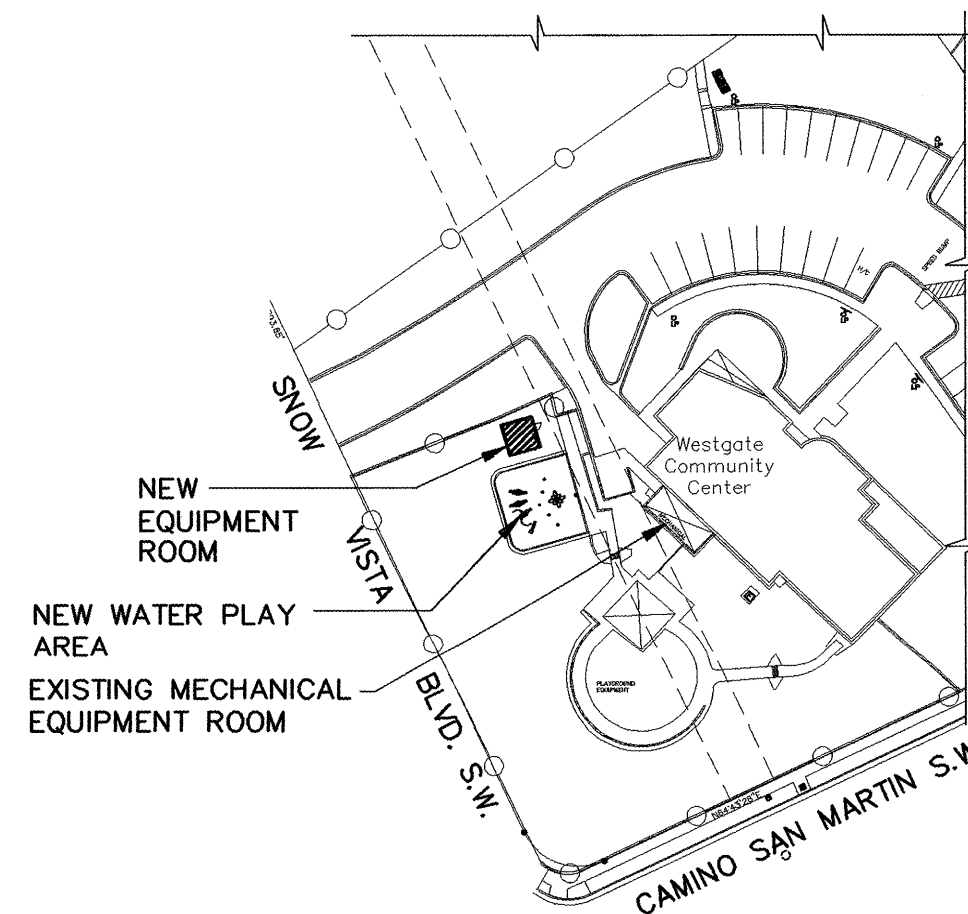
# LIGHTING AND POWER PLAN - EQUIP. ROOM

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



# EQUIPMENT PLAN - EQUIPMENT ROOM

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



# KEY PLAN

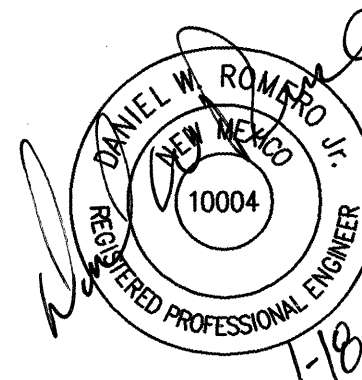
SCALE: NONE

## KEYED NOTES

- 4'-2L SURFACE MOUNTED FLUORESCENT STRIP WITH 2/F32T8 SP35/RS LAMPS AND WIREGUARD, LUTONIA #C-232-120-GEB10-WGCUN OR APPROVED EQUAL.
- FEATURE CONTROL PANEL.
- 1-1" EMPTY UNDERGROUND CONDUIT TO BOLLARD FEATURE CONTROL ACTIVATOR FOR CONTROL WIRING. CONTROL WIRING BY OTHERS. FOR CONTINUATION, SEE KEYED NOTE #14 ON THIS SHEET.
- WATER TREATMENT CONTROL PANEL.
- FILTER.
- SUPPLY MANIFOLD.
- SUMP.
- COMBINATION STARTER - 30A 3P 240V NEMA 1 FUSIBLE DISCONNECT SWITCH WITH 25A FUSES AND A SIZE 1 STARTER.
- 3 #10, 1 #10 GND, 3/4"C.
- COMBINATION STARTER - 30A 3P 240V NEMA 1 FUSIBLE DISCONNECT SWITCH WITH 15A FUSES AND A SIZE "0" STARTER.
- 3 #12, 1 #12 GND, 1/2"C.
- 2 #12, 1 #12 GND, 1/2"C.
- BOLLARD FEATURE CONTROL ACTIVATOR.
- CONTROL WIRING CONDUIT TO FEATURE CONTROL PANEL, FOR CONTINUATION, SEE KEYED NOTE #3 ON THIS SHEET.
- EXISTING C/T AND METER CABINET.
- EXISTING INCOMING SERVICE DISCONNECT SWITCH.
- EXISTING WIREWAY MOUNTED ABOVE EXISTING INCOMING SERVICE DISCONNECT SWITCHES.
- EXISTING POWER COMPANY PAD MOUNTED TRANSFORMER.
- EXISTING BUILDING.
- EXISTING MECHANICAL EQUIPMENT ROOM.
- 60A 3P 240V, NEMA 3R FUSIBLE DISCONNECT SWITCH WITH 60A FUSES.
- 4 #4, 1 #10 GND, 1-1/4"C., TAP (AS REQUIRED) TO EXISTING #500kcmil CONDUCTORS IN WIREWAY.
- 4 #4, 1 #10 GND, 1-1/4"C.
- ROUTE NEW CONDUIT EXPOSED ON TOP OF WALL.
- PROVIDE (AS REQUIRED) CONDUIT BODY.
- SEE SHEET E2.00 FOR PANEL SCHEDULE.
- 1 #8, 1/2"C. SERVICE GROUND. SEE SERVICE GROUNDING DETAIL ON SHEET E2.00.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECT/ENGINEER SEAL		REMARKS		BY		NO. DATE		REVISIONS		DESIGN BY: SEC		DRAWN BY: SEC		CHECKED BY: SEC		DATE: 1/18/01		DATE: 1/18/01		DATE: 1/18/01	
CONTRACTOR	DATE:	BR/A.C.S. SURVEY MONUMENT "BH-39" FROM THE INTERSECTION OF I-40 AND COORS RD. NW GO NORTH ON COORS 0.4 MILES TO DURY RD. NW TURN LEFT, GO WEST ON DURY APPROX. 0.7 MILES TO THE END OF THE POWER CONDUIT ON THE RIGHT TO A DIRT CROSSROAD. TURN LEFT, GO NORTH ON THE DIRT ROAD 0.1 MILES TO THE STATION ON THE RIGHT. THE STATION MARK IS A BOHANNAN/AUSTON BRASS CAP STAMPED "BH-39" SET 0.2 FEET BELOW GROUND. ELEV. = 5195.46		NO.	BY	DATE																					
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MICRO-FILM INFORMATION		FINISHED FLOOR ELEVATION																									
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CITY OF ALBUQUERQUE  
PARKS & RECREATION DEPARTMENT

TITLE: WESTGATE AQUATIC PLAYGROUND  
PARTIAL ELEC. SITE PLAN & DETAILS

DESIGN REVIEW COMMITTEE  
APPROVED  
FEB 12 2001

CITY ENGINEER APPROVAL  
APPROVED  
FEB 12 2001

CITY PROJECT NO. 6507.91

ZONE MAP NO. A-00-Z

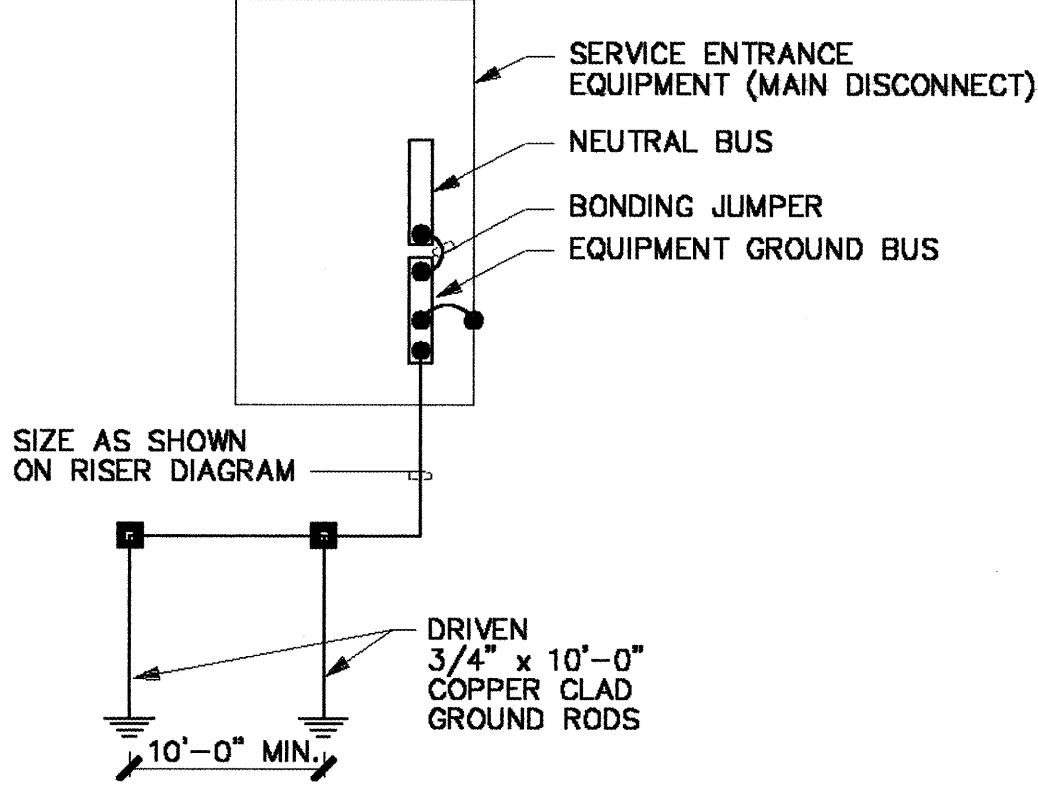
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GENERAL NOTES (Applies to all electrical sheets)

- A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH PROJECT PRIOR TO THE BID OPENING, TO ALLOW HIM TO SUBMIT A COMPLETE BID WITHIN THE SCOPE OF THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS ARISING DURING THE BID PERIOD, IN REGARD TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF THE WORK OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE ENGINEER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
- B. IT WILL BE THE CONTRACTOR'S OBLIGATION TO INCLUDE, IN HIS BID, THE COSTS FOR INSTALLING JUNCTION BOXES, PROVIDING MISCELLANEOUS COVERS, WORK WITH OTHER DISCIPLINES WHERE THE CONTRACT INVOLVES ELECTRICAL POWER OR CONTROL CONNECTIONS, SWITCHES, ETC. ALL OF THIS WORK SHALL BE PART OF THIS CONTRACT.
- C. LOCATION OF EQUIPMENT AND OTHER DEVICES SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
- D. THE CONDUIT RUNS AS SHOWN ON PLANS INDICATE APPROXIMATE ROUTING. EXACT LOCATION OF CONDUIT RUNS SHALL BE AS FIELD CONDITIONS DICTATE.
- E. CONTRACTOR SHALL INSTALL PULL AND JUNCTION BOXES WHEREVER REQUIRED BY N.E.C. OR JOB CONDITIONS. ALL NEW WIRING SHALL BE TAGGED AT ALL PULL BOXES, JUNCTION BOXES, EQUIPMENT BOXES AND CABINETS WITH APPROVED PLASTIC TAGS. ACTION CRAFT, BRADY OR APPROVED EQUAL.
- F. SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION GIVEN ON THE DRAWINGS, THEN IT WILL BE HIS RESPONSIBILITY TO NOTIFY THE ENGINEER AS SOON AS POSSIBLE FOR CLARIFICATION, NOT AFTER IT IS COMPLETE.
- G. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR THE EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS.
- H. REMOVE AND INSTALL CEILING SUPPORTS AND TILES AS REQUIRED FOR THE COMPLETION OF THIS PROJECT. THIS CONTRACTOR SHALL INCLUDE REPLACEMENT OF CEILING TILES DAMAGED IN THE PROCESS OF THIS INSTALLATION WITH NEW MATCHING TILES. THE SAME APPLIES TO DAMAGE DONE TO OTHER KINDS OF CEILINGS.
- I. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO WALLS CEILINGS, ETC. IN A PROFESSIONAL MANNER. SEAL ALL WALL OR CEILING OPENINGS WITH MATCHING MATERIAL. THIS SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
- J. CONTRACTOR SHALL MAKE AS-BUILT DRAWINGS DOCUMENTING ANY AND ALL WIRING AND EQUIPMENT CONDITIONS AND CHANGES WHILE COMPLETING THIS CONTRACT. PROVIDE UPDATED TYPEWRITTEN DIRECTORIES FOR ALL PANELS AND LABEL ALL PANELS WITH PLASTIC LAMINATED NAMEPLATES.
- K. INSTALL BLANK DEVICE PLATES ON ALL UNUSED JUNCTION BOXES IN FINISHED AREAS.
- L. ALL ELECTRICAL WIRING SHALL BE ROUTED IN CONDUIT.
- M. REFER TO POWER PLANS FOR DETAILED LAYOUTS OF ELECTRICAL GEAR.
- N. AFTER THE CONTRACTOR HAS RECEIVED APPROVED SHOP DRAWINGS FOR THE ELECTRICAL GEAR, HE SHALL BE RESPONSIBLE FOR PROVIDING SCALED LAYOUTS OF ALL ELECTRICAL EQUIPMENT TO THE ENGINEER FOR APPROVAL TO ENSURE THAT ALL CLEARANCE REQUIREMENTS ARE MET. IT WILL BE IN THE BEST INTEREST OF THE CONTRACTOR TO PROVIDE THIS INFORMATION EARLY SO AS NOT INTERFERE WITH THE TIMELY EXECUTION OF THE ROUGH-IN WORK THAT WILL BE REQUIRED.
- O. INTERRUPTION OF ANY ELECTRICAL SERVICES SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AT LEAST SEVEN DAYS PRIOR TO THE INTENDED OUTAGE AND SHALL BE REQUESTED IN WRITING.
- P. WHEREVER REQUIRED, FURNISH AND INSTALL ON WALL OR CEILING FREESTANDING UNISTRUT CHANNELS, ANGLE IRONS OR ANY OTHER SUPPORT STRUCTURE WITH THREADED ROD HANGERS AS REQUIRED FOR THE SUPPORT OF ELECTRICAL EQUIPMENT OF ANY KIND TO ENSURE PROPER INSTALLATION.
- Q. ALL NEW WIRING SHALL BE COPPER.
- R. ALL HOME RUN CIRCUITING TO PANELS SHALL BE .75" CONDUIT, MINIMUM.
- S. MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CO-ORDINATING WITH OTHER TRADES FOR EXACT HEIGHT REQUIRED. THIS REQUIREMENT ALSO APPLIES TO THE LOCATION OF WALL BOXES FOR HVAC SENSORS, T-STATS, ETC. ANY THIS NOTE APPLIES TO ALL ELECTRICAL SHEETS IN THESE DRAWINGS: OUTLET DEVICES THAT HAVE TO BE RELOCATED DUE TO COUNTERTOP, CHALKBOARD, TACKBOARD, TYPE CONFLICTS WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
- T. ALL MECHANICAL CONTROLS SHALL BE PROVIDED AND INSTALLED BY CONTROLS CONTRACTOR, INCLUDING ALL STARTERS, CONTACTORS, RELAYS CONDUIT AND WIRE (HIGH AND LOW VOLTAGE, ETC.).



SERVICE GROUNDING DETAIL  
SCALE: NONE

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	KEYED NOTE SYMBOL - ELECTRICAL.
	MECHANICAL EQUIPMENT DESIGNATION - SEE MECHANICAL EQUIPMENT SCHEDULE.
	ABOVE FINISH FLOOR.
	FLUORESCENT FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	SINGLE POLE WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED. (LOWER CASE LETTER, WHEN USED, DENOTES FIXTURES CONTROLLED).
	THERMAL SWITCH. WEATHERPROOF IF INSTALLED OUTSIDE. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
	JUNCTION BOX FLUSH IN WALL. HEIGHT AS INDICATED FOR CONNECTION TO EQUIPMENT.
	20 AMP DUPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED.
	WEATHERPROOF.
	SPECIAL CABINET, TELEPHONE TYPE OR AS NOTED.
	LIGHTING BRANCH CIRCUIT PANEL, SEE PANEL SCHEDULE FOR CHARACTERISTICS.
	POWER DISTRIBUTING PANEL, SEE PANEL SCHEDULE FOR CHARACTERISTICS.
	MOTOR CONNECTION WITH HP INDICATED.
	MOTOR CONNECTION FOR FRACTIONAL HP MOTOR (LESS THAN 1/3 HP). PROVIDE THERMAL O.L. SWITCH ADJACENT TO ALL MOTORS UNLESS SWITCH IS SHOWN ELSEWHERE ON PLAN.
	MOTOR STARTER, SIZE AND POLES FOR MOTOR FURNISHED.
	DISCONNECT SWITCH, NON-FUSED, SUBSCRIPT INDICATES SWITCH AMPERAGE AND NUMBER OF POLES, BE NEMA 3R IF INSTALLED OUTDOORS. VOLTAGE RATING AS REQUIRED BY SYSTEM.
	DISCONNECT SWITCH, FUSED, SUBSCRIPT INDICATES SWITCH AMPERAGE, NUMBER OF POLES AND FUSE SIZE. TO BE NEMA 3R IF INSTALLED OUTDOORS. PROVIDE FUSES AT 125% F.L.A. OF UNIT UNLESS OTHERWISE INDICATED. VOLTAGE RATING AS REQUIRED BY SYSTEM.
	COMBINATION MOTOR STARTER / DISCONNECT SWITCH.
	BRANCH CIRCUIT CONDUIT IN WALL OR CEILING WITH CONDUCTORS INDICATED.
	BRANCH CIRCUIT CONDUIT UNDER FLOOR OR UNDERGROUND WITH CONDUCTORS INDICATED.
	HOME RUN CONDUIT TO PANEL WITH BRANCH CIRCUIT NUMBERS INDICATED.
	POWER CONDUIT, CONDUCTORS TYPICALLY SHOWN AT CIRCUIT BEGINNING ONLY.
	LIGHTING CONDUIT, CONDUCTORS TYPICALLY SHOWN AT CIRCUIT BEGINNING ONLY. SWITCH LEGS SHOWN AS REQUIRED FOR CLARITY.
	TIC MARKS REPRESENT NEUTRAL, HOT, SWITCH LEG AND GROUND CONDUCTORS RESPECTIVELY.

PANEL		DESCRIPTION		208/120V, 3PH, 4W, 100 AMP MAIN LUGS ONLY, 10,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR			
"LP"		Sub-Feed					
CCT NO.	LOAD CODE	Load Code	DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B
1	2		LIGHTING & RECEPTACLES	20A/1P	680	690	
3	6		FEATURE CONTROL PANEL	20A/1P	500		2008
5	6		WATER TREAT. CONTROL PANEL	20A/1P	500		2008
7	6		PUMP P-1	30A/3P	2021	3292	
9	6		***	***	2021		3292
11	6		***	***	2021		3292
13			HOT BOX	20A/1P	1000	1000	
15			SPACE ONLY				0
17			SPACE ONLY				0
19						0	
21						0	
23						0	
25						0	
27						0	
29						0	
31						0	
33						0	
35						0	
37						0	
39						0	
41						0	
Feed-Thru					4982	5300	5300
Total KVA					15.6	208V	43 Amps

LOAD SUMMARY: 120/208V, 3 PHASE

	CONNECTED LOAD	CODE DEMAND LOAD
NEW BLDG.	14.6 KVA	15.0 KVA
TOTAL	14.6 KVA	15.0 KVA

SHORT CIRCUIT CURRENT ANALYSIS

BASED ON MAXIMUM TRANSFORMER LET THROUGH WITH UNLIMITED PRIMARY SHORT CIRCUIT CURRENT (S.C.C.):

ESTIMATED BUILDING TRANSFORMER SIZE = 150 KVA  
NOMINAL TRANSFORMER IMPEDANCE (%Z) = 2%

S.C.C. AVAILABLE AT TRANSFORMER SECONDARY = 23,166A.  
S.C.C. AVAILABLE AT LINE SIDE OF MAIN DISCONNECT = 18,069A.  
S.C.C. AVAILABLE AT LOAD SIDE OF 60A RKI FUSES = 1820A.

PANEL "LP" SHALL HAVE A MINIMUM OF 10,000 A.I.C. AND BRACING.

ENERGY CODE ANALYSIS

THE PLANS AND SPECIFICATIONS ARE DESIGNED IN CONFORMANCE WITH MODEL ENERGY CODE LIGHTING LEVELS.

INTERIOR LIGHTING LOAD ---- 150 W/ 144 SQ. FT. = 1 W/SQ.FT.

LOAD CALCULATIONS

EXISTING CONNECTED LOAD = 69,892VA  
NEW ADDED LOAD = 15,000VA

EXISTING CONNECTED LOAD @ 125% (69892)(1.25) = 87,365VA  
NEC 220-35 (USING CONNECTED LOAD IN LIEU OF MAX. DEMAND LOAD)

EXISTING CONNECTED LOAD = 87,365VA  
NEW ADDED LOAD = 15,000VA  
TOTAL NEW LOAD = 102,365VA

102,365VA @ 208/3Ø = 284A  
EXISTING SERVICE IS 400A (#500kcmil Thw)

FOR INFORMATION ONLY

100316

**CITY OF ALBUQUERQUE**  
**PARKS & RECREATION DEPARTMENT**

TITLE: WESTGATE AQUATIC PLAYGROUND  
SCHEDULES, LOAD SUM, & DETAILS

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

APPROVED FEB 12 2001

DESIGN REVIEW COMMITTEE CITY ENGINEER

CITY PROJECT NO. 6507.91

ZONE MAP NO. A-00-Z

NO. / DAY / YR. MO. / DAY / YR.

LAST DESIGN UPDATE

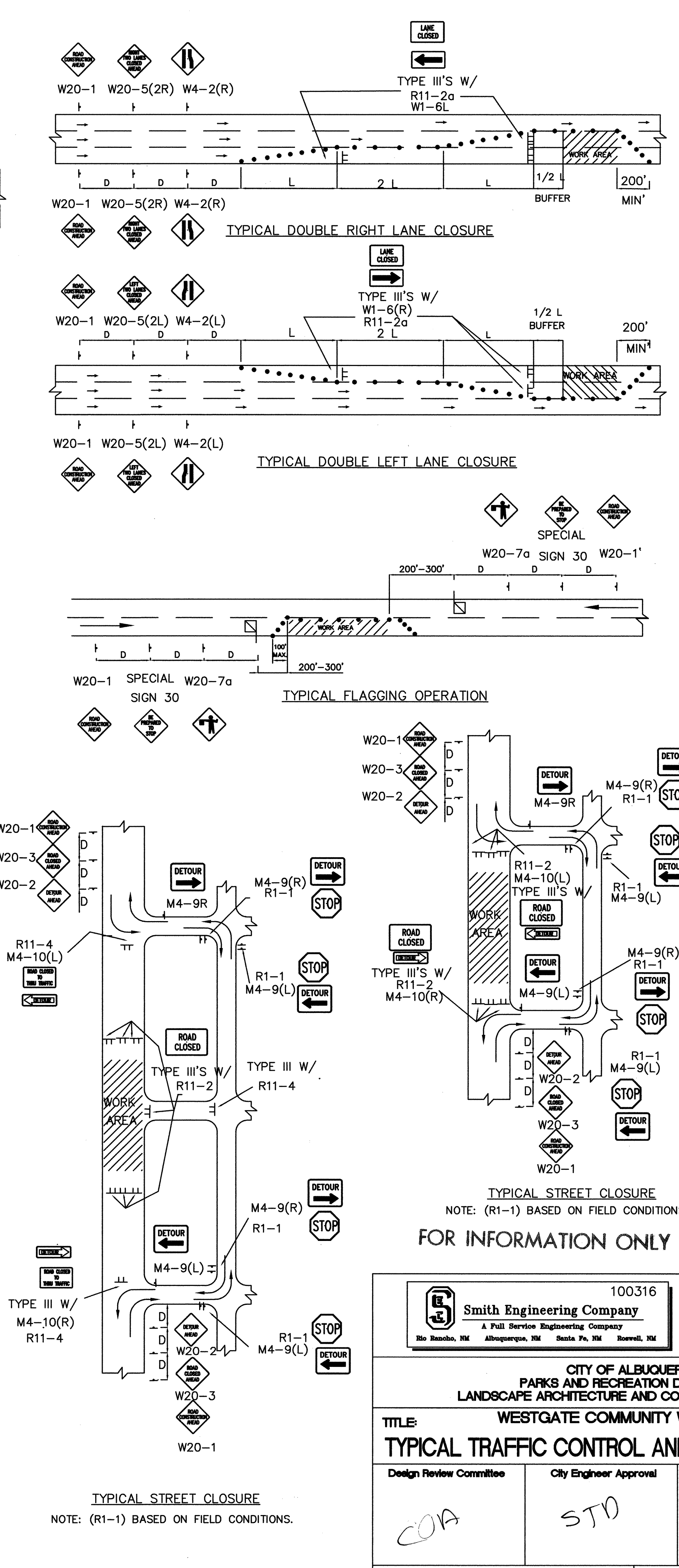
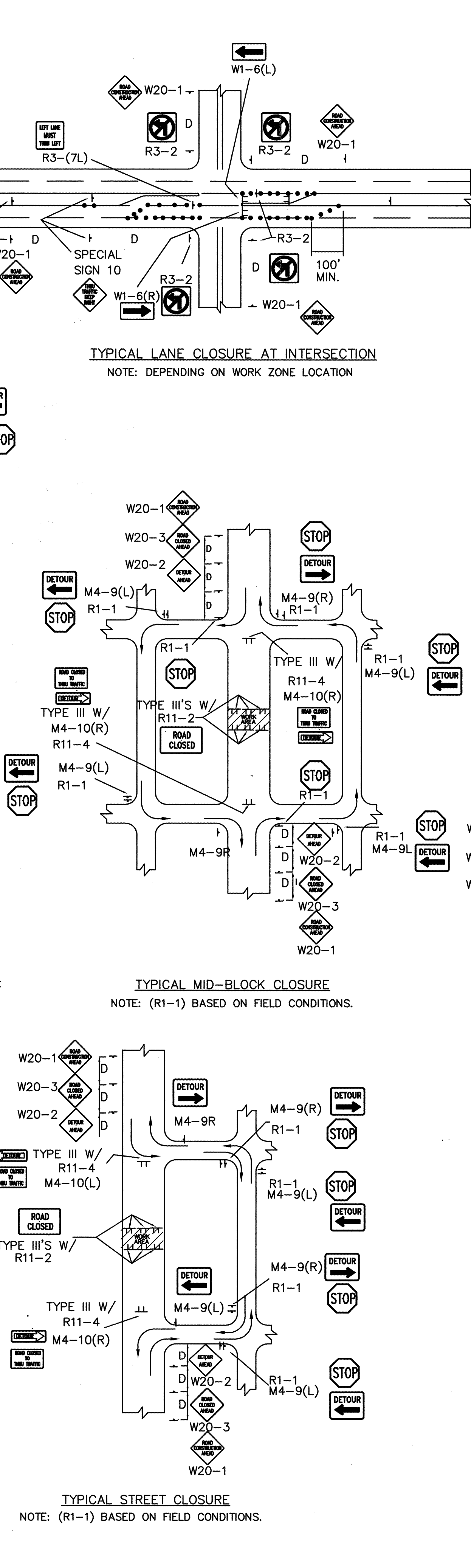
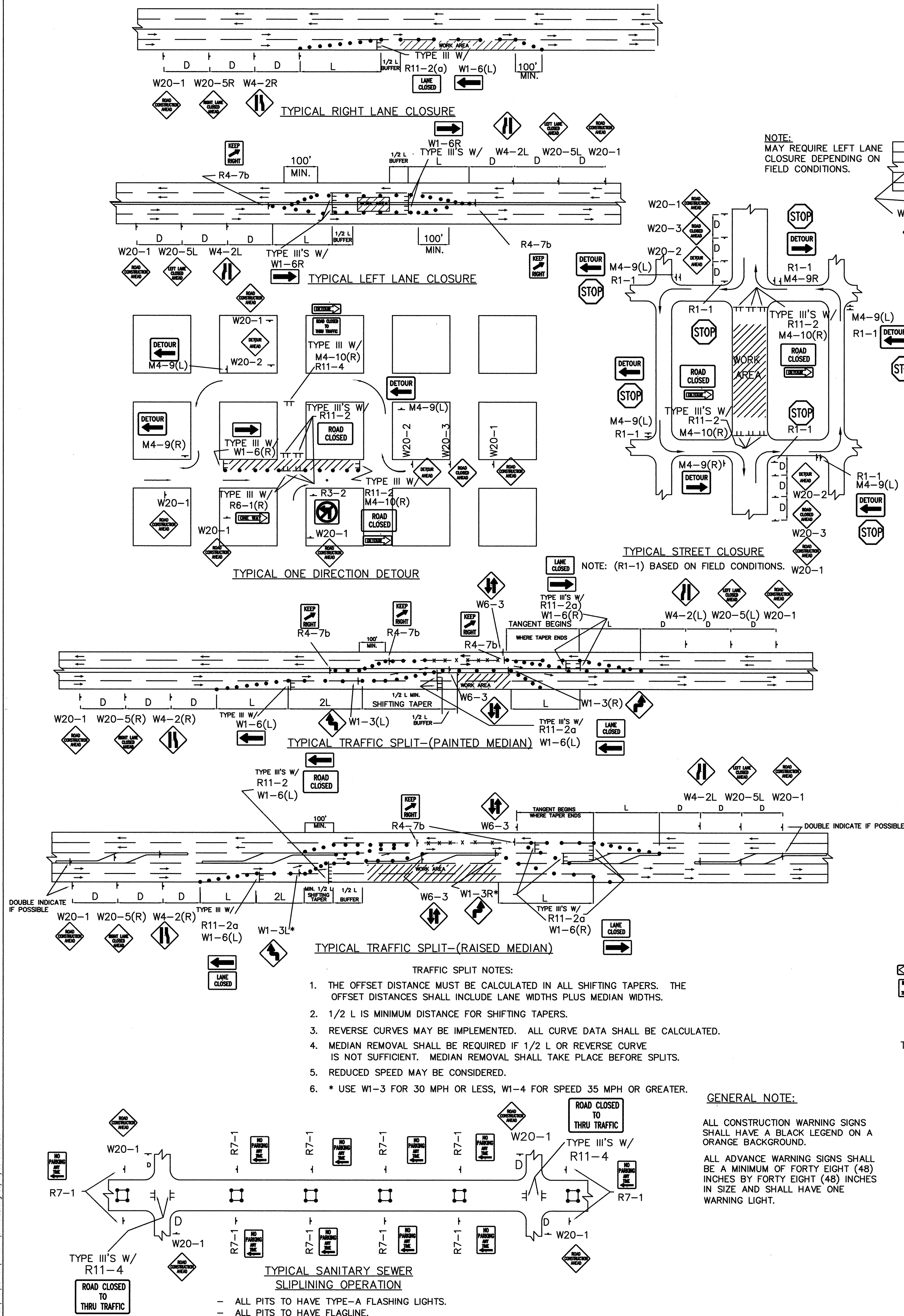
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SHEET 16 OF 18









**Smith Engineering Company**  
A Full Service Engineering Company  
100316  
Rio Rancho, NM Albuquerque, NM Santa Fe, NM Roswell, NM

**CITY OF ALBUQUERQUE**  
**PARKS AND RECREATION DEPARTMENT**  
**LANDSCAPE ARCHITECTURE AND CONSTRUCTION SERVICES**

**TITLE: WESTGATE COMMUNITY WATER PARK**

**TYPICAL TRAFFIC CONTROL AND SIGNING EXAMPLES**

Design Review Committee	City Engineer Approval	Mo. / Day / Yr.	Mo. / Day / Yr.
COA	STO		
City Project No. 650791	Zone Map No. M-9-Z	Sheet 18	of 18

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL	
CONTRACTOR	DATE	COA BENCH MARK NUMBER	INSPECTED BY	FIELD NOTES	NO.	DATE	BY
		LOCATED IN SW QUADRANT OF THE INTERSECTION, 44' WEST FROM CL OF 98TH AND 27.5' SOUTH FROM CL OF GIBSON. STATION IS A STANDARD COA BRASS CAP SET IN CONCRETE 0.1' ABOVE GROUND AND STAMPED "1-M9". EL = 5147.872					
		COA BENCH MARK NUMBER ACS-2-M9, FROM THE INT OF SNOW VISTA BLVD AND BENAVIDES RD. TRAVEL SE APPROX. 0.2 MI ALONG TRANSMISSION LINE TO PLYONS NUMBERED 54. STATION IS LOCATED BETWEEN POWER POLES #PW54 & #PW47, 9.0' WEST FROM CL OF TRANSMISSION LINE. R/W. STATION IS ON BRASS CAP STAMPED "2-M9"					
MICRO-FILM INFORMATION		REVISIONS		DESIGN		NOV. 2000	
RECORDED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE