CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
PLANS FOR CONSTRUCTION

VALLEY GARDENS PARK

FOR INFORMATION ONLY

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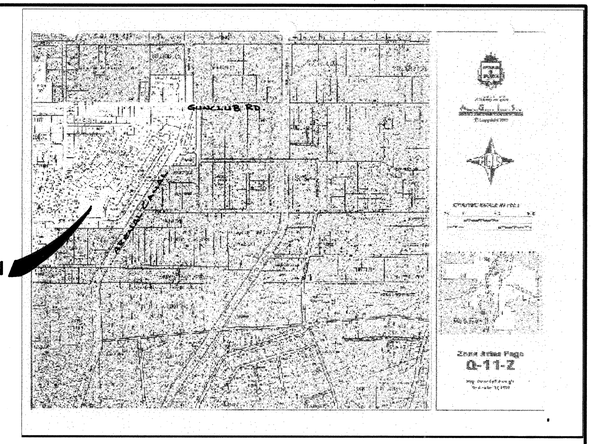

N

MAP NO. Q-11 -Z

VICINITY MAP

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REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE

CHARLES T. BLAINE — NEW MEXICO — 8581 — REGISTERED PROFESSIONAL ENGINEER

02/07/01

APPROVED	ENGINEER	DATE
DRC Chairman		2-26-01
Transportation		2-07-01
Water/Wastewater		2-07-01
Hydrology		2-07-01
C I P		
Constr. Mngmnt. Coord		2-07-01

APPROVED FOR CONSTRUCTION

CITY ENGINEER — DATE 2/26/01

PROJECT NUMBER 6238.91

SHEET 1 OF 9

Z:\Civ_Cadd\100505\OPTION1\VALLEY GARDENS PARK\001cover.dwg Wed Feb 07 09:21:27 2001 J. ALLEN BOLINGER

1 THREE (3) 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 FIELD ENGINEER. 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 DEBRIS, 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.

EXISTING FEATURES LEGEND:

- EXISTING CHAIN-LINK FENCE
- EXISTING GAS LINE W/ VALVE
- EXISTING WATERLINE W/ VALVE
- EXISTING WATERLINE METER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER LINE W/ MANHOLE
- EXISTING STROM DRAIN
- EXISTING UTILITY POLE
- EXISTING 1' CONTOUR
- EXISTING 5' CONTOUR
- EXISTING CURB & GUTTER
- EXISTING CONCRETE
- EXISTING BUILDING LINE
- EXISTING EASEMENT LINE

NEW FEATURES LEGEND:

- CONSTRUCTION CENTERLINE
- NEW CHAIN-LINK FENCE
- NEW GAS LINE W/ VALVE
- NEW WATERLINE W/ VALVE
- NEW WATERLINE METER
- NEW FIRE HYDRANT
- NEW SANITARY SEWER LINE W/ MANHOLE
- NEW STROM DRAIN
- NEW UTILITY POLE
- NEW 1' CONTOUR
- NEW 5' CONTOUR
- NEW CURB & GUTTER
- NEW CONCRETE
- NEW EASEMENT LINE
- POT HOLE LOCATION W/ NO.
- NEW EDGE OF PAVEMENT

FOR INFORMATION ONLY

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
ACS BENCHMARK 9-Q11. COORDINATES ARE BASED ON NM. STATE PLAN COORDINATES SYSTEM, CENTRAL ZONE NAD 27. USE GROUND-TO-GRID FACTOR =0.99968.
DATE
DATE

AS BUILT INFORMATION
CONTRACTOR
WORK INSPECTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
CHARLES T. BLAINE NEW MEXICO 8581 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY JAB/PJC	DATE 12-00
		DRAWN BY JAB	DATE 12-00
		CHECKED BY PJC	DATE 12-00

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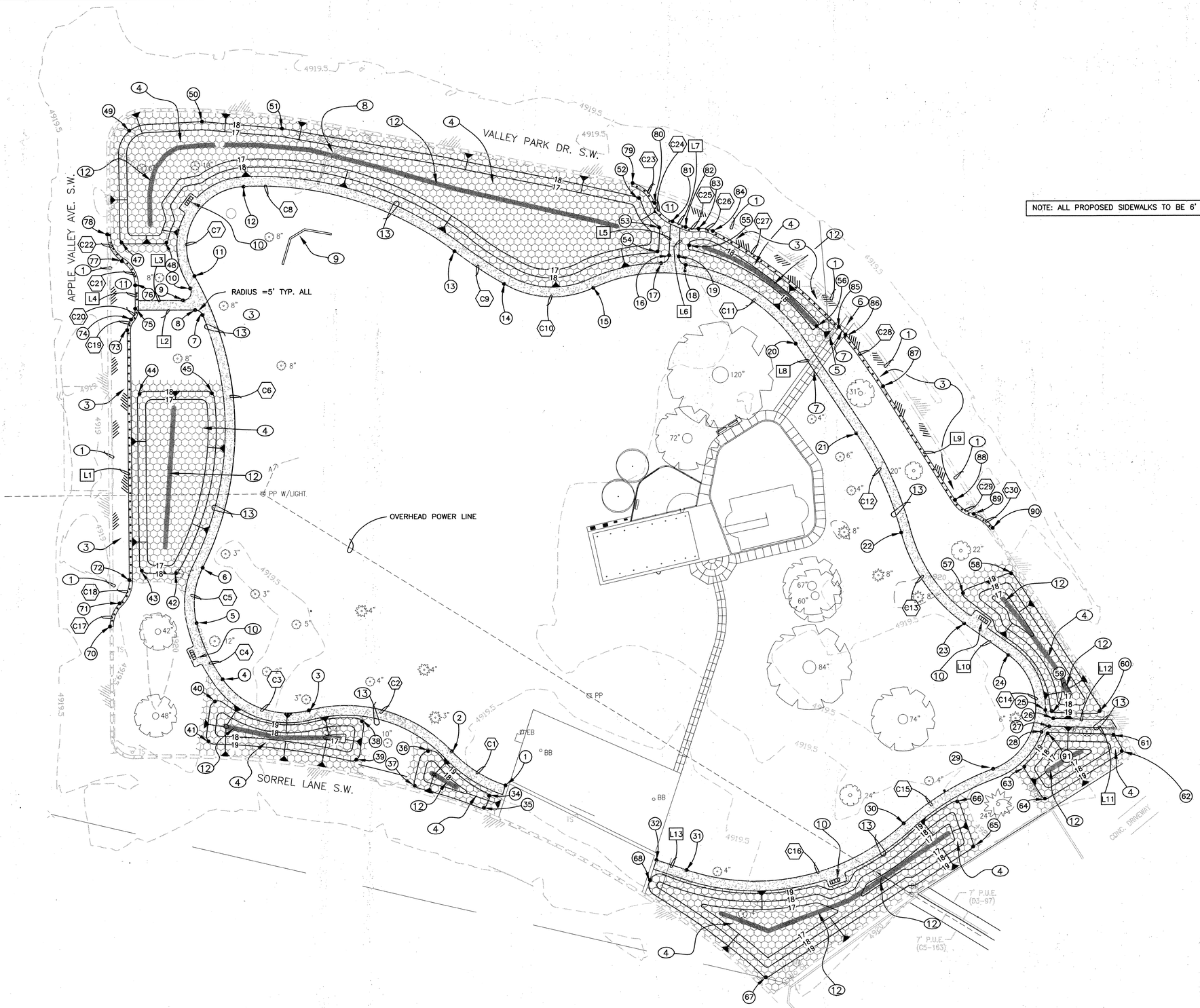
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VALLEY GARDENS PARK
GENERAL NOTES

Design Review Committee: APPROVED FEB 26 2001 DESIGN REVISIONS MUST BE DATED
City Engineer Approval: APPROVED FEB 26 2001 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 6238.91 | Zone Map No. Q-11-Z | Sheet 2 Of 9

Z:\Civ_Cadd\100105\OPTION1\VALLEY GARDENS PARK\0026EN_NOTES.dwg Wed Feb 07 09:22:16 2001 J. ALLEN BOLINGER



NOTE: ALL PROPOSED SIDEWALKS TO BE 6' WIDE

KEYED NOTES:

1. REMOVE AND DISPOSE OF EXISTING CONCRETE STRIP AND BOLLARDS
2. SEE SHEET L1 FOR TREE REMOVALS
3. CONSTRUCT NEW ASPHALT ROADWAY, SEE SECTION SHEET 4.
4. CONSTRUCT NEW PONDING AREA, SEE DETAILS SHEET 4.
5. EXISTING LIGHT POLE TO REMAIN.
6. REMOVE AND DISPOSE OF EXISTING SIDEWALK TO LIMITS SHOWN.
7. CONNECT NEW SIDEWALK TO NEW PAVEMENT OR SIDEWALK. MATCH EXISTING ELEVATIONS.
8. REMOVE AND DISPOSE OF EXISTING BACKSTOP.
9. CONSTRUCT NEW BACKSTOP, SEE SHEET L1 FOR LOCATION AND DETAILS.
10. SIDEWALK TURN OUT WITH NEW PARK BENCH. SEE SHEET 4 FOR DETAILS.
11. INSTALL HANDICAP PAVEMENT MARKINGS AND HANDICAP SIGN WITH POST. SEE SHEET 4 FOR DETAILS.
12. CONSTRUCT INFILTRATION TRENCH. 3' WIDE TRENCH TO BE CENTERED IN FLAT BOTTOM OF PONDS. THE ENDS OF TRENCH TO BE BEGIN AND END 5' FROM TOE OF POND SLOPE.
13. NEW 6' WIDE SIDEWALK PER C.O.A. STD. DWG. 2430.

LEGEND

- PROPOSED ROCK LANDSCAPING IN PONDS
- PROPOSED INFILTRATION TRENCH AT BOTTOM OF PONDS. SEE SHEET 4 FOR DETAILS
- CXX — CURVE DATA, SEE SHEET 4
- XX — POINT DATA, SEE SHEET 4
- LXX — LINE DATA, SEE SHEET 4
- PP — EXISTING POWER POLE
- PROPOSED 6' WIDE SIDEWALK PER C.O.A. STD. DWG. 2430.

FOR INFORMATION ONLY

N

15' 0 30' 60'

SCALE: 1" = 30'

CONSENSUS PLANNING

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
AS-BUILTING BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS BENCHMARK 9-011, COORDINATES ARE BASED ON NM STATE PLAN COORDINATES SYSTEM, CENTRAL ZONE NAD 27. USE GROUND-TO-GRID FACTOR =0.99968.
DATE
DATE

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL
CHARLES T. BLAINE NEW MEXICO 8581 REGISTERED PROFESSIONAL ENGINEER
Charles T. Blaine

NO.	DATE	REMARKS	DESIGNED BY	DRAWN BY	CHECKED BY
		REVISIONS			
		DESIGN	JAB/PJC	JAB	PJC
		DATE	12-00	12-00	12-00

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VALLEY GARDENS PARK
LAYOUT

Design Review Committee: APPROVED FEB 26 2001 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED FEB 26 2001 CITY ENGINEER
Last Design Update
No. / Day / Yr.
No. / Day / Yr.

City Project No. 6238.91 | Zone Map No. Q-11-Z | Sheet 3 Of 9

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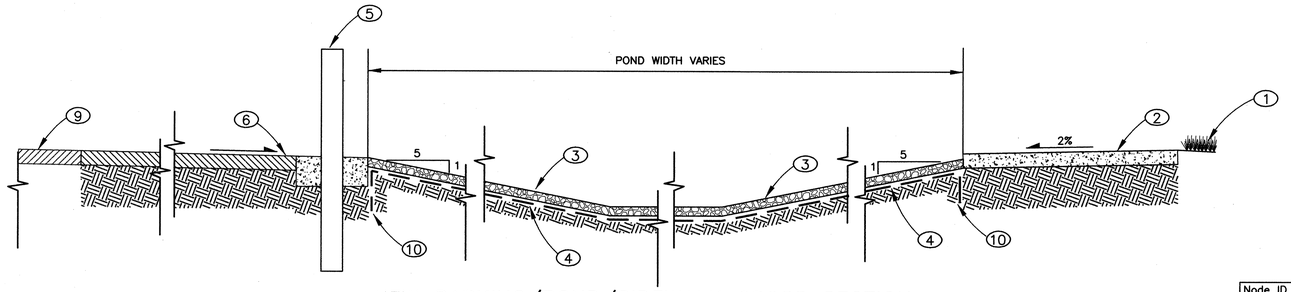
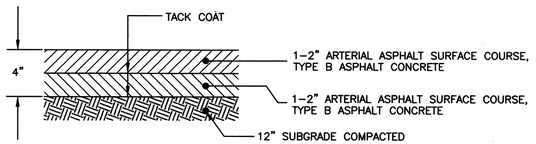


NEW PARKING/POND/SIDEWALK CROSS SECTION

SCALE: N.T.S.



ASPHALT SECTION

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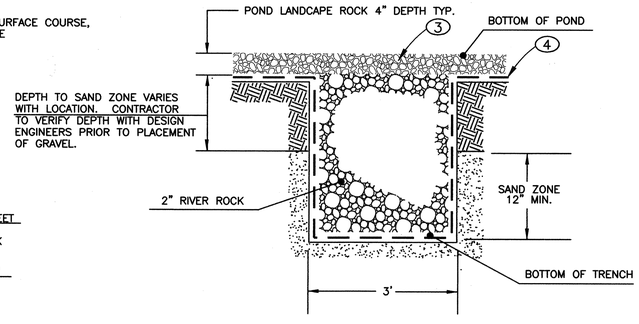

INFILTRATION TRENCH DETAIL

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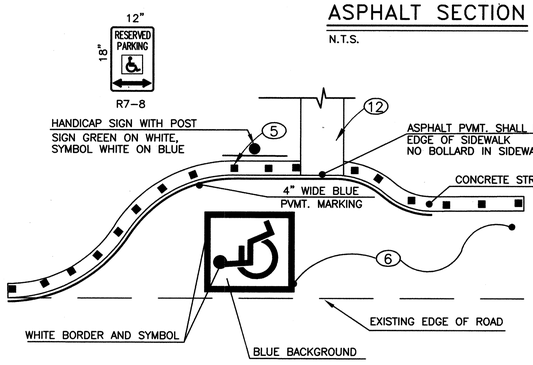

HANDICAP PNMT MARKING & SIGN LOCATIONS

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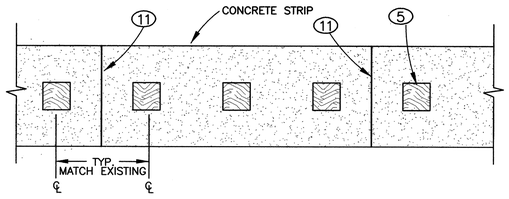
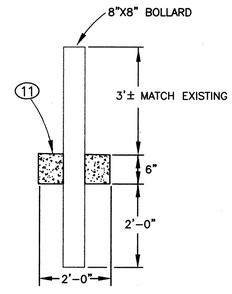


NEW BOLLARD LAYOUT

SCALE: N.T.S.



NEW BOLLARD DETAIL

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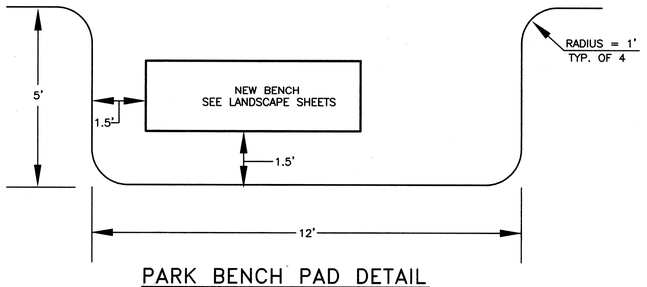


PARK BENCH PAD DETAIL

SCALE: N.T.S.

KEYED NOTES:

1. EXISTING LANDSCAPING
2. CONSTRUCT 6' WIDE SIDEWALK PER C.O.A. STD. DWG. 2430. SLOPE TOWARDS POND.
3. 4" THICK LANDSCAPING GRAVEL. SEE LANDSCAPING SHEETS FOR GRAVEL TYPE. SEE LAYOUT SHEET FOR GRADES.
4. FILTER FABRIC UNDER LANDSCAPING ROCKS.
5. INSTALL NEW 8" SQUARE WOOD BOLLARD. SEE DETAIL THIS SHEET.
6. CONSTRUCT NEW ASPHALT PARKING. SLOPE TOWARDS POND. SEE SECTION THIS SHEET. SEE LAYOUT SHEET FOR GRADES.
7. NOT USED
8. NOT USED
9. EXISTING PCC OR AC PAVING.
10. TURN DOWN EDGE OF FILTER FABRIC 12" AT EDGES.
11. SCORE CONCRETE BETWEEN BOLLARDS EVERY THREE BOLLARDS FOR EXPANSION/CONTRACTION. SEE BOLLARD LAYOUT THIS SHEET.
12. CONSTRUCT 6' WIDE SIDEWALK PER C.O.A. STD. DWG. 2430. SEE LAYOUT PLAN SHEET3 FOR GRADES.

POINT DATA

Node ID	Northing	Easting	Elevation	Description
1	1458865.56	363486.37	4919.78	TOP EDGE OF SIDEWALK
2	1458832.47	363465.29	4919.46	TOP EDGE OF SIDEWALK
3	1458744.26	363439.94	4919.32	TOP EDGE OF SIDEWALK
4	1458691.06	363420.77	4919.39	TOP EDGE OF SIDEWALK
5	1458675.07	363367.05	4919.52	TOP EDGE OF SIDEWALK
6	1458678.91	363351.85	4919.47	TOP EDGE OF SIDEWALK
7	1458679.30	363196.73	4919.09	TOP EDGE OF SIDEWALK
8	1458674.67	363193.61	4919.04	TOP EDGE OF SIDEWALK
9	1458667.24	363187.61	4919.07	TOP EDGE OF SIDEWALK
10	1458671.67	363180.29	4919.11	TOP EDGE OF SIDEWALK
11	1458674.32	363172.59	4919.23	TOP EDGE OF SIDEWALK
12	1458704.76	363116.94	4919.22	TOP EDGE OF SIDEWALK
13	1458834.94	363157.14	4919.34	TOP EDGE OF SIDEWALK
14	1458865.47	363177.41	4919.31	TOP EDGE OF SIDEWALK
15	1458920.70	363179.96	4919.55	TOP EDGE OF SIDEWALK
16	1458967.54	363159.96	4919.23	TOP EDGE OF SIDEWALK
17	1458962.55	363164.74	4919.34	TOP EDGE OF SIDEWALK
18	1458977.79	363165.83	4919.36	TOP EDGE OF SIDEWALK
19	1458973.51	363160.66	4919.24	TOP EDGE OF SIDEWALK
20	1459045.62	363214.94	4919.60	TOP EDGE OF SIDEWALK
21	1459082.85	363270.31	4919.56	TOP EDGE OF SIDEWALK
22	1459110.44	363331.57	4919.47	TOP EDGE OF SIDEWALK
23	1459149.13	363387.80	4919.55	TOP EDGE OF SIDEWALK
24	1459176.41	363407.26	4919.53	TOP EDGE OF SIDEWALK
25	1459199.16	363441.21	4919.50	TOP EDGE OF SIDEWALK
26	1459204.00	363446.35	4919.58	TOP EDGE OF SIDEWALK
27	1459201.60	363451.28	4919.48	TOP EDGE OF SIDEWALK
28	1459196.72	363454.67	4919.40	TOP EDGE OF SIDEWALK
29	1459166.81	363477.43	4919.46	TOP EDGE OF SIDEWALK
30	1459111.50	363510.98	4919.37	TOP EDGE OF SIDEWALK
31	1458977.29	363539.52	4919.51	TOP EDGE OF SIDEWALK
32	1458958.67	363533.77	4919.78	TOP EDGE OF SIDEWALK
33	NOT USED			
34	1458855.38	363493.20	4919.00	TOP OF POND
35	1458852.18	363500.76	4919.00	TOP OF POND
36	1458817.79	363465.60	4919.00	TOP OF POND
37	1458809.54	363487.06	4919.00	TOP OF POND
38	1458776.98	363447.15	4919.00	TOP OF POND
39	1458773.47	363470.84	4919.00	TOP OF POND
40	1458686.24	363434.78	4919.00	TOP OF POND
41	1458682.19	363459.35	4919.00	TOP OF POND
42	1458662.59	363355.58	4918.00	TOP OF POND
43	1458641.35	363353.58	4918.00	TOP OF POND
44	1458640.25	363244.99	4918.00	TOP OF POND
45	1458684.89	363244.77	4918.00	TOP OF POND

POINT DATA

Node ID	Northing	Easting	Elevation	Description
46	NOT USED			
47	1458629.40	363151.33	4918.00	TOP OF POND
48	1458657.06	363151.44	4918.00	TOP OF POND
49	1458634.32	363082.35	4918.00	TOP OF POND
50	1458679.26	363076.86	4918.00	TOP OF POND
51	1458728.58	363081.20	4918.00	TOP OF POND
52	1458949.08	363124.62	4918.00	TOP OF POND
53	1458961.43	363142.74	4918.00	TOP OF POND
54	1458960.35	363157.55	4918.00	TOP OF POND
55	1458979.91	363153.88	4918.00	TOP OF POND
56	1459058.54	363203.96	4918.00	TOP OF POND
57	1459148.48	363369.09	4919.00	TOP OF POND
58	1459178.31	363356.94	4919.00	TOP OF POND
59	1459203.04	363441.92	4919.00	TOP OF POND
60	1459232.60	363442.00	4919.00	TOP OF POND
61	1459241.06	363456.65	4919.00	TOP OF POND
62	1459246.18	363466.66	4919.00	TOP OF POND
63	1459186.07	363476.10	4919.00	TOP OF POND
64	1459198.70	363495.86	4919.00	TOP OF POND
65	1459154.32	363525.38	4919.00	TOP OF POND
66	1459144.60	363498.04	4919.00	TOP OF POND
67	1459026.13	363606.90	4919.00	TOP OF POND
68	1458954.69	363545.62	4919.00	TOP OF POND
69	NOT USED			
70	1458621.63	363388.48	4919.20	TOP OF CONCRETE PT
71	1458627.61	363374.19	4919.06	TOP OF CONCRETE PCC
72	1458633.59	363360.29	4918.90	TOP OF CONCRETE PC
73	1458632.72	363205.50	4918.80	TOP OF CONCRETE PT
74	1458635.14	363198.92	4918.71	TOP OF CONCRETE PCC
75	1458637.69	363192.17	4918.68	TOP OF CONCRETE PC
76	1458637.69	363177.81	4918.69	TOP OF CONCRETE PT
77	1458629.55	363162.76	4918.90	TOP OF CONCRETE PCC
78	1458620.52	363146.26	4919.12	TOP OF CONCRETE PC
79	1458945.12	363115.31	4919.14	TOP OF CONCRETE PT
80	1458958.74	363127.62	4918.99	TOP OF CONCRETE PCC
81	1458969.67	363139.00	4918.85	TOP OF CONCRETE PC
82	1458977.80	363142.94	4918.87	TOP OF CONCRETE PT
83	1458985.72	363143.49	4918.93	TOP OF CONCRETE PCC
84	1458994.58	363144.97	4918.94	TOP OF CONCRETE PC
85	1459072.34	363204.61	4919.07	TOP OF CONCRETE PCC
86	1459076.45	363209.15	4919.09	TOP OF CONCRETE PCC
87	1459099.49	363241.41	4919.04	TOP OF CONCRETE PC
88	1459143.66	363311.51	4919.24	TOP OF CONCRETE PT
89	1459155.29	363320.14	4919.36	TOP OF CONCRETE PCC
90	1459166.97	363328.86	4919.48	TOP OF CONCRETE PC
91	1459200.55	363455.58	4919.00	TOP OF POND

CURVE DATA FOR INFORMATION ONLY

NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH
C1	28°23'18"	20.23	80.00	39.64
C2	61°18'58"	53.35	90.00	96.31
C3	68°52'05"	34.28	50.00	60.10
C4	22°02'13"	19.47	100.00	38.4618
C5	40°15'47"	18.3286	50.0000	35.14
C6	56°00'46"	102.12	192.00	187.70
C7	116°42'50"	60.04	37.00	75.37
C8	39°49'50"	72.46	200.00	139.03
C9	07°00'12"	18.36	300.00	36.67
C10	54°52'09"	31.15	60.00	57.46
C11	80°52'41"	85.22	100.00	141.16
C12	19°20'14"	34.07	200.00	67.50
C13	39°54'33"	36.31	100.00	69.65
C14	124°33'11"	76.11	40.00	86.95
C15	22°36'44"	32.99	165.00	65.12
C16	61°05'04"	79.66	135.00	143.93
C17	45°34'07"	8.40	20.00	15.90
C18	45°48'54"	8.21	19.44	15.54
C19	40°05'54"	3.84	10.52	7.36
C20	40°05'51"	3.84	10.52	7.36
C21	56°45'17"	9.72	18.00	17.83
C22	56°05'59"	10.66	20.00	19.58
C23	54°36'42"	10.33	20.00	19.06
C24	46°29'31"	8.59	20.00	16.23
C25	30°50'24"	4.14	15.00	8.08
C26	34°52'41"	4.71	15.00	9.13
C27	21°04'05"	49.84	268.00	98.54
C28	06°38'45"	19.86	342.00	39.67
C29	42°25'11"	7.76	20.00	14.81
C30	42°44'46"	7.83	20.00	14.92

LINE DATA

NUMBER	DIRECTION	DISTANCE
L1	S -89°40'33" W	154.80 FT
L2	N -00°00'00" W	35.03 FT
L3	S 00°00'00" E	27.56 FT
L5	S 87°28'02" E	19.35 FT
L6	S 87°28'02" E	17.55 FT
L7	N 90°00'00" E	0.00 FT
L8	N 56°05'05" E	66.72 FT
L9	S 57°47'11" W	82.86 FT
L10	N 35°30'46" E	33.51 FT
L11	N 01°44'07" E	41.47 T
L12	N 01°44'07" E	35.82 FT
L13	S 18°32'18" W	19.64 FT

AS BUILT INFORMATION
CONTRACTOR
WORK INSPECTED BY: DATE
NM STATE PLAN COORDINATES SYSTEM, CENTRAL ZONE
ACCEPTANCE BY DATE
NAD 27, USE GROUND-TO-GRID FACTOR =0.99968.
VERIFICATION BY DATE
DRAWING CHECKED BY DATE

BENCH MARKS
ACS BENCHMARK 9-Q11, COORDINATES ARE BASED ON

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
CHARLES T. BLAINE NEW MEXICO 6581 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY JAB/PJC DATE 12-00	
		DRAWN BY JAB DATE 12-00	
		CHECKED BY PJC DATE 12-00	

CONSENSUS PLANNING

100105
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VALLEY GARDENS PARK
DETAILS

Design Review Committee: APPROVED FEB 26 2001 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED FEB 26 2001 CITY ENGINEER
Last Design Update: No. / Day / Yr.

City Project No. 6238.91
Zone Map No. Q-11-Z
Sheet 4 Of 8

Z:\Civ_Cadd\100105\OPTION1\VALLEY GARDENS PARK\00detail.dwg Wed Feb 07 09:26:14 2001 J. ALLEN BOLINGER

test

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24-HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 48-HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

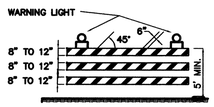
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

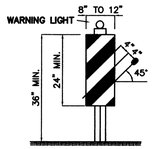
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48-INCH SIGN AS INDICATED IN THE MUTCD.

27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

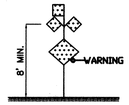


TYPE III BARRICADE

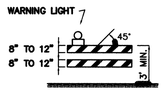
CONES



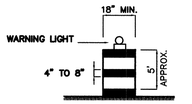
VERTICAL PANEL



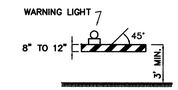
HIGH LEVEL WARNING DEVICE



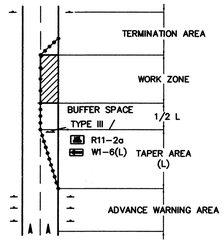
TYPE II BARRICADE
COLLAPSIBLE



BARREL



TYPE I BARRICADE
COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- X VERTICAL PANEL
- WARNING SIGN
- D DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- S SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- L TAPER LENGHT - SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET) 10' LANE	11' LANE	12' LANE	MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

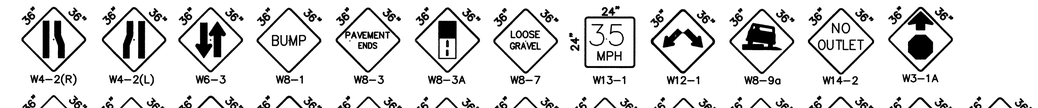
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

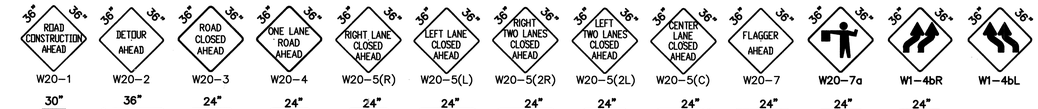
TAPER LENGTH COMPUTATION

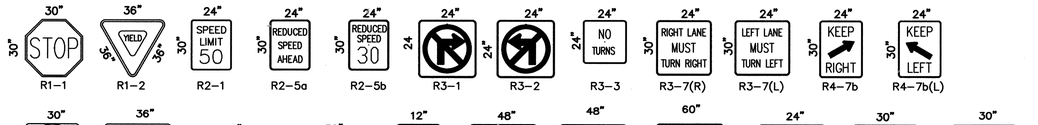
SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

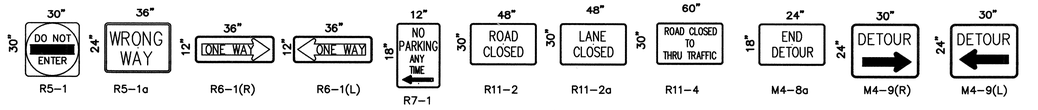
L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

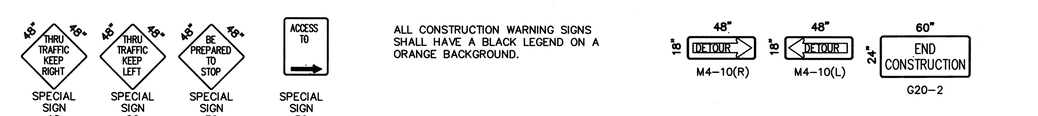
SIGN FACE DETAILS











ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

FOR INFORMATION ONLY

CONSENSUS PLANNING

AS BUILT INFORMATION
CONTRACTOR
WORK INSPECTED BY: DATE
ACCEPTANCE BY: DATE
VERIFICATION BY DATE
DRAWING CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BENCHMARK 9-Q11, COORDINATES ARE BASED ON NM STATE PLAN COORDINATES SYSTEM, CENTRAL ZONE NAD 27. USE GROUND-TO-GRID FACTOR =0.99968.
DATE
DATE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL
CHARLES T. BLAINE NEW MEXICO 8551 REGISTERED PROFESSIONAL ENGINEER
6/10/01

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		JAB/PJC DATE 12-00	
DRAWN BY		JAB DATE 12-00	
CHECKED BY		PJC DATE 12-00	

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Smith Engineering Company
A Full Service Engineering Company
5400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

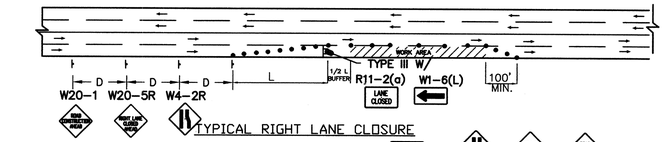
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VALLEY GARDENS PARK
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

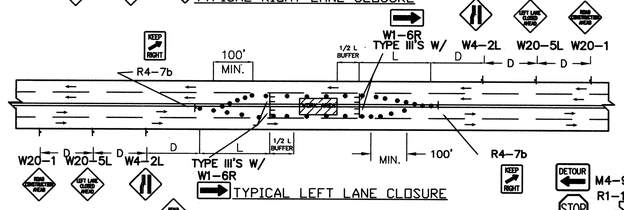
Design Review Committee	City Engineer Approval	Last Design Update	No. / Dwg / Yr.	No. / Dwg / Yr.
COA	STB			

City Project No.	Zone Map No.	Sheet	Of
6238.91	Q-11-Z	5	9

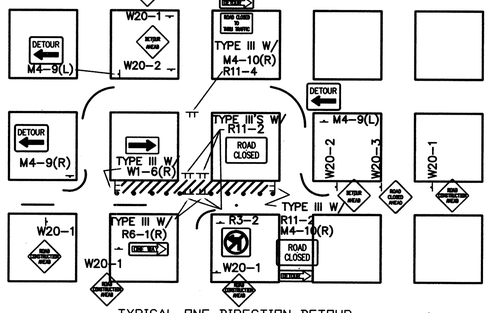
Z:\Civ_Cadd\100105\OPTION1\VALLEY GARDENS PARK\005traf.dwg Wed Feb 07 09:27:28 2001 J. ALLEN BOLINGER



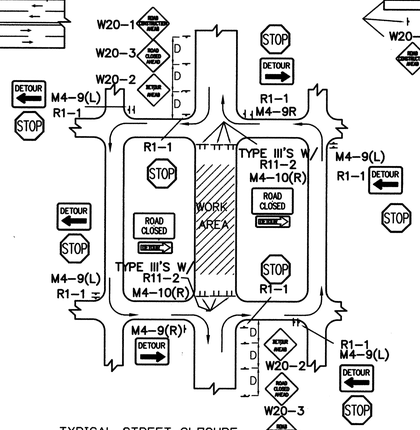
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

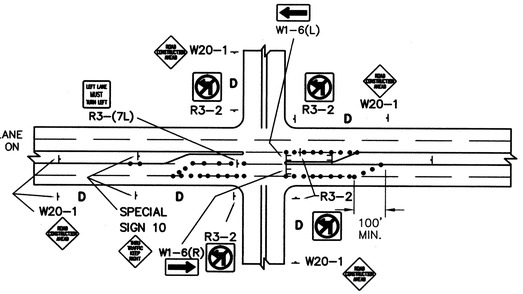


TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

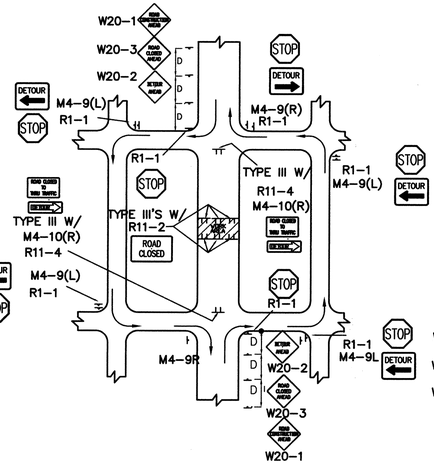
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.

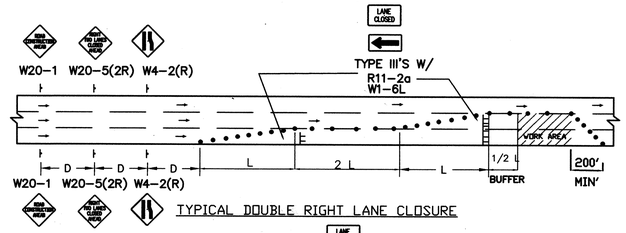
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION



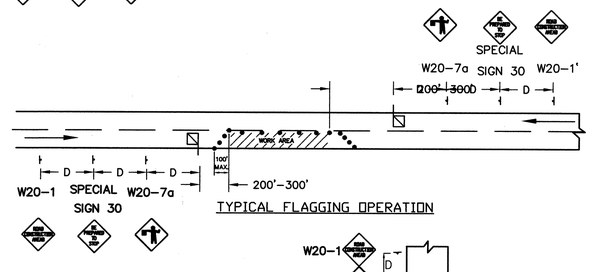
TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

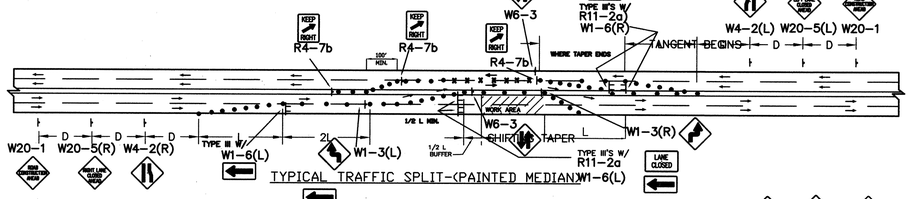


TYPICAL DOUBLE RIGHT LANE CLOSURE

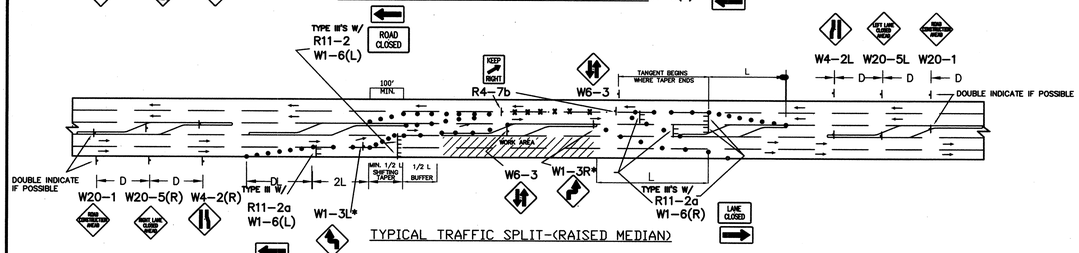
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



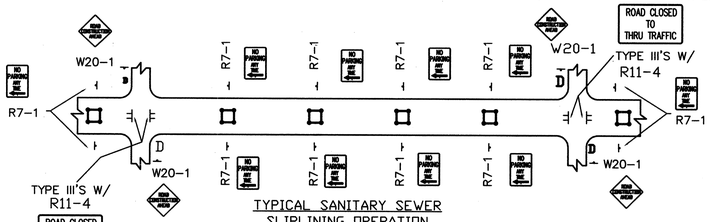
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



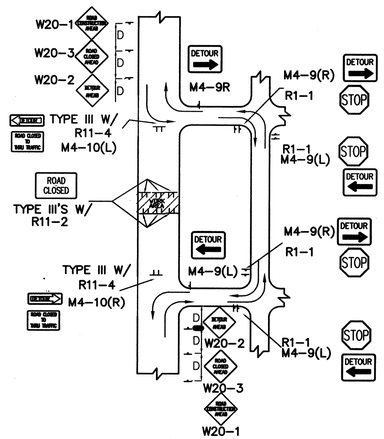
TYPICAL SANITARY SEWER SLIPLINING OPERATION

- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
- ALL PITS TO HAVE FLAGLINE.

GENERAL NOTE:

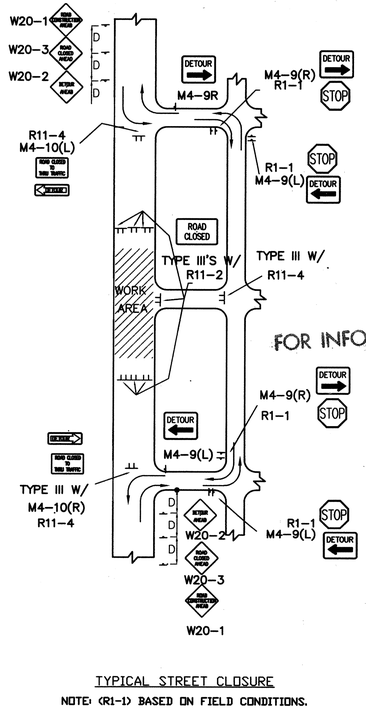
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



TYPICAL STREET CLOSURE

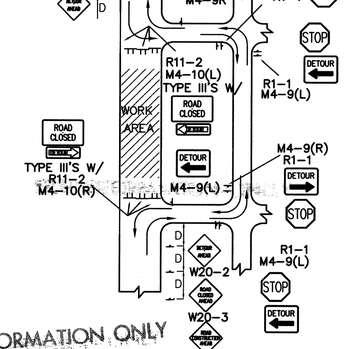
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

FOR INFORMATION ONLY



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

CONSENSUS PLANNING

AS BUILT INFORMATION

CONTRACTOR

WORK STARTED BY — DATE

WORK ACCEPTANCE BY — DATE

FIELD LOCATION BY — DATE

DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

BENCH MARKS

ACS BENCHMARK 9-Q11, COORDINATES ARE BASED ON NM STATE PLANE COORDINATES SYSTEM, CENTRAL ZONE NAD 27. USE GROUND-TO-GRID FACTOR =0.99968.

DATE

DATE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL

CHARLES T. BLAINE 9858 REGISTERED PROFESSIONAL ENGINEER

10/01

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY JAB/PJC DATE 12-00

DRAWN BY JAB DATE 12-00

CHECKED BY PJC DATE 12-00

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:

VALLEY GARDENS PARK

TYPICAL TRAFFIC CONTROL AND SIGNING

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.
COP	STD			

City Project No. 6238.91 | Zone Map No. Q-11-Z | Sheet 6 Of 9

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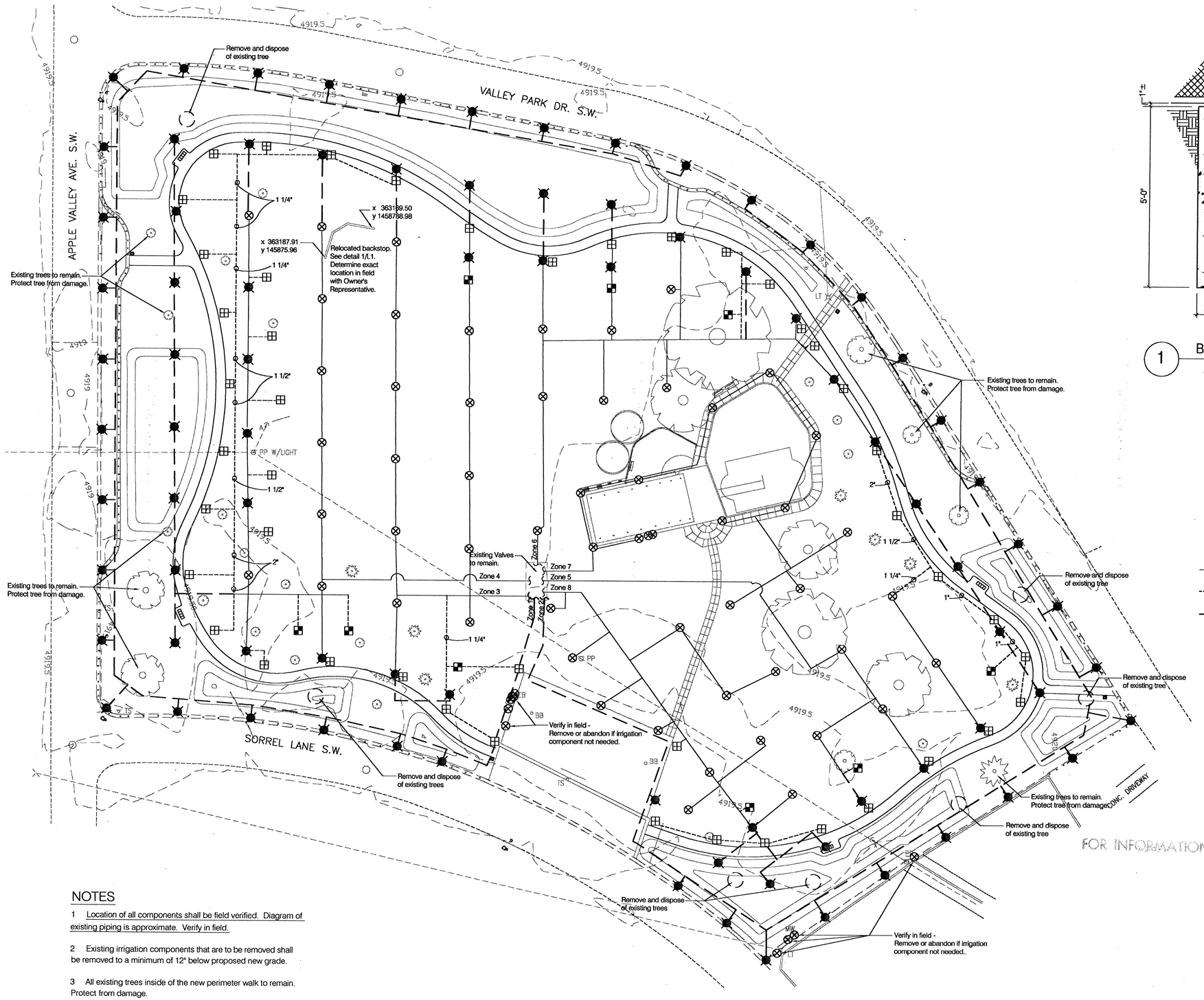

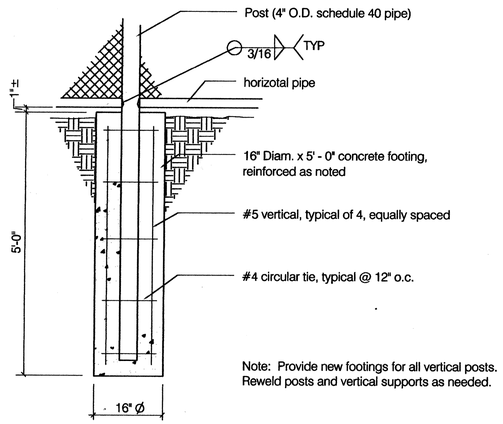

Note: Provide new footings for all vertical posts. Reweld posts and vertical supports as needed.

1 BACKSTOP FOOTING DETAIL

N.T.S.

LEGEND

- Existing sprinkler heads to remain.
- Existing sprinkler heads to be removed.
- Proposed new sprinkler head to be installed. Hunter I-25, adjustable, nozzle #7, approx. 45' radius, 6.6 gpm at 40 PSI, precip rate approx .4"/hr.
- Proposed new sprinkler head to be installed. Hunter I-25, 360, nozzle #4, approx. 41' radius, 3.8 gpm at 40 PSI, precip rate approx .4"/hr.
- Existing lateral piping to remain - Exact location shall be field verified.
- New lateral piping to be installed, size 3/4" unless otherwise noted.
- Existing lateral piping to be removed or abandoned.

FOR INFORMATION ONLY

15' 0 30' 60'
SCALE: 1" = 30'

NOTES

1 Location of all components shall be field verified. Diagram of existing piping is approximate. Verify in field.

2 Existing irrigation components that are to be removed shall be removed to a minimum of 12" below proposed new grade.

3 All existing trees inside of the new perimeter walk to remain. Protect from damage.

FOR INFORMATION ONLY

CONSENSUS PLANNING, INC.
Planning / Landscape Architecture
924 Park Avenue SW
Albuquerque, NM 87102
(505) 764-9801 Fax 842-5495
e-mail: cp@consensusplanning.com

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Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 290E Albuquerque, New Mexico 87110

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

BENCH MARKS
ACS BENCHMARK 9-Q11, COORDINATES ARE BASED ON NM STATE PLAN COORDINATES SYSTEM, CENTRAL ZONE NAD 27. USE GROUND-TO-GRID FACTOR =0.99966.
DATE
DATE

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
SUZANNE C. MORTER 251 REGISTERED LANDSCAPE ARCHITECT

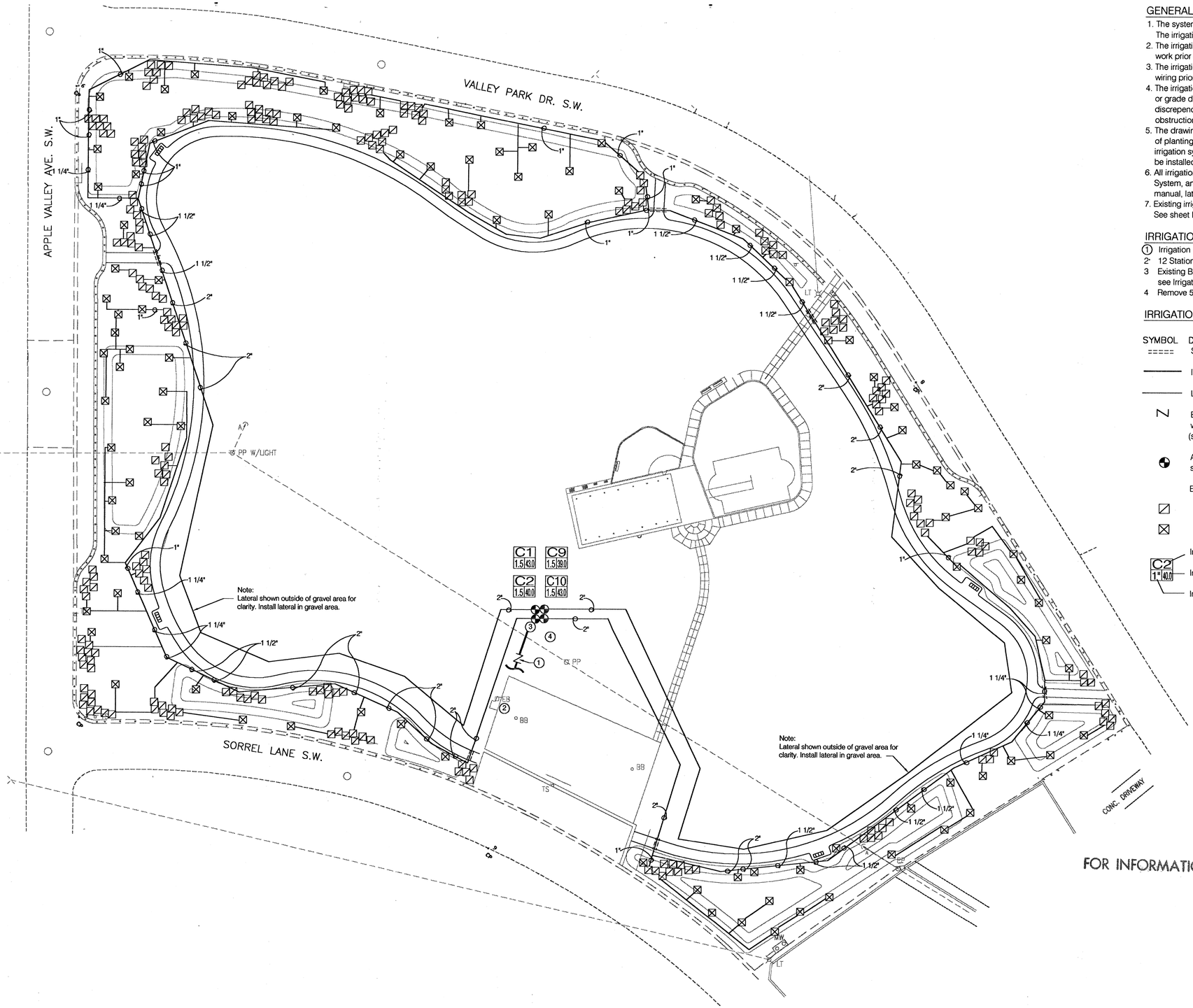
NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY SIM	DATE 1/30/01
		DRAWN BY WMA	DATE 1/30/01
		CHECKED BY SIM	DATE 1/30/01

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VALLEY GARDENS PARK
IRRIGATION REVISION & TREE REMOVAL PLAN

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.
APPROVED FEB 26 2001 DESIGN REVIEW COMMITTEE	APPROVED FEB 26 2001 CITY ENGINEER			

City Project No. 6238.91 | Zone Map No. Q-11-Z | Sheet L-1 Of 9



GENERAL IRRIGATION NOTES

1. The system design assumes a minimum static pressure of 40 PSI at the point-of-connection. The irrigation contractor shall verify pressure and flow on site prior to construction.
2. The irrigation contractor shall become thoroughly familiar with the specifications for this and related work prior to construction.
3. The irrigation contractor shall determine the exact location of underground utilities and electrical wiring prior to construction.
4. The irrigation contractor shall not install the system when it is obvious in the field that obstructions or grade differences exist that might not have been considered in the engineering, or if the discrepencies in construction details, legend, notes, or specifications are discovered. All such obstructions or discrepancies shall be brought to the attention of the Owner's Representative.
5. The drawings are diagrammatic. In some cases, irrigation components may be shown outside of planting areas for clarity. The irrigation contractor shall avoid any conflicts between the irrigation system, planting materials, and above ground utilities. Irrigation pipe and wiring shall be installed in landscaped areas whenever possible.
6. All irrigation components shall be installed in accordance with section 1001-Landscape Irrigation System, and referenced details contained within the City of Albuquerque standard specifications manual, latest edition.
7. Existing irrigation shall be adjusted as needed for installation of sidewalk and new planting areas. See sheet L-1.

IRRIGATION CONSTRUCTION NOTES

1. Irrigation point-of-connection. Verify location in field.
2. 12 Station Rainbird Mechanical Controller, existing.
3. Existing Bermad Flow Meter w/ Master Valve and 8 zone valves. Replace 2 perimeter zone valves, see Irrigation Schedule. Verify in field.
4. Remove 5 existing backflow devices and reconnect with straight piping below grade as needed.

IRRIGATION EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION
=====	Sleeving: Class 200 PVC (2 sizes larger than pipe to be sleeved)
———	Irrigation Mainline: Existing 6", Verify size and location in field
———	Lateral Pipe: Schedule 40 PVC, 18" Depth, 3/4" Unless Noted Otherwise
N	Backflow Prevention Assembly: 4" Febco 825Y Bronze Backflow Prevention Assembly w/heat tape and 'Hot Box' enclosure. Install upstream of flow meter and master valve. (similar to COA Detail 2701).
	Automatic Valve Assembly: Rain Bird PEB Series, w/Flow Control and Manual Activation, size as indicated on plans, (COA Detail 2709-A). Connect to existing controller.
	Bubblers:
◪	Rainbird 1400 Series, model 1401, .25 GPM @ 30 PSI, (1 per shrub)
⊠	Rainbird 1400 Series, model 1404, 1.0 GPM @ 30 PSI, (1 per tree)
C2	Indicates Controller and Station Number
1" 40.0	Indicates Lateral Discharge in GPM
	Indicates Remote Control Valve Size in Inches

FOR INFORMATION ONLY

15' 0 30' 60'
SCALE: 1" = 30'

AS BUILT INFORMATION
CONTRACTOR
SYSTEM WORKED BY DATE
INSPECTOR'S NOTES/CHANGE BY DATE
FIELD VERIFICATION BY DATE
MARKUPS ENTERED BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BENCHMARK 9-Q11, COORDINATES ARE BASED ON NM STATE PLAN COORDINATES SYSTEM, CENTRAL ZONE NAD 27, USE GROUND-TO-GRID FACTOR =0.99988.
DATE
DATE

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
STATE OF NEW MEXICO
SUZANNE J. MORTIER
No. 251
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY SIM	DATE 1/30/01
		DRAWN BY WMA	DATE 1/30/01
		CHECKED BY SIM	DATE 1/30/01

CONSENSUS PLANNING, INC.
Planning / Landscape Architecture
924 Park Avenue SW
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6600 Uptown Boulevard, N.E. Suite 3000 Albuquerque, New Mexico 87110

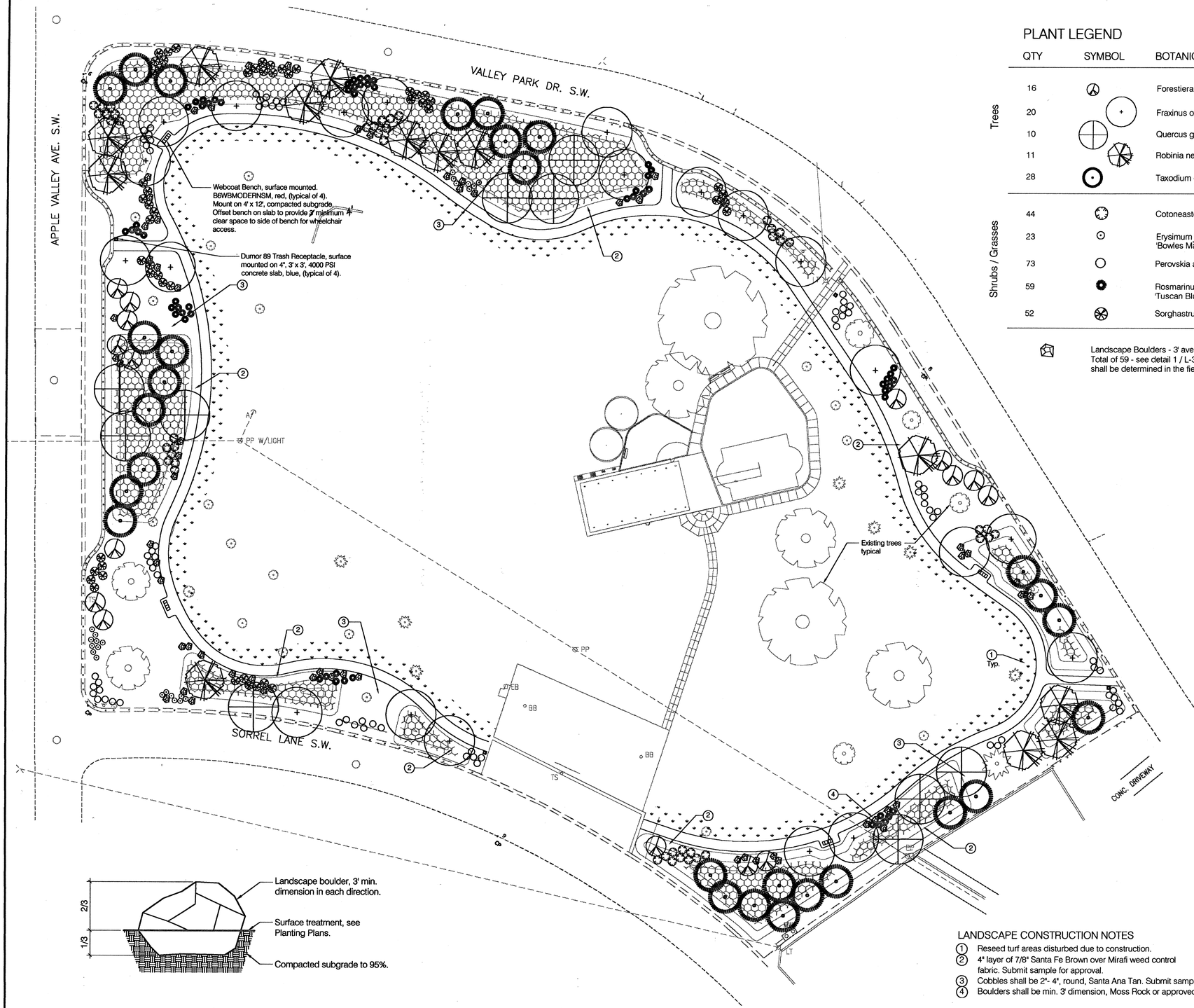
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VALLEY GARDENS PARK

IRRIGATION PLAN, LEGEND & NOTES

Design Review Committee: APPROVED FEB 26 2001 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED FEB 26 2001 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No.	Zone Map No.	Sheet	Of
6238.91	Q-11-Z	L-2	9



PLANT LEGEND

	QTY	SYMBOL	BOTANICAL / COMMON NAME	SIZE	REMARKS	WATER REQ
Trees	16		Forestiera neomexicana / New Mexico Olive	15 gal.	single trunk, min. 1" cal., 4'-6' ht., 3' min. sprd.	M
	20		Fraxinus oxycarpa / Raywood Ash	24" box	12'-14' ht., 3' min. sprd., 2" cal.	M+
	10		Quercus gravesii / Chisos Red Oak	1" cal.	7' min. ht., 18" RootControl Bag	M
	11		Robinia neomexicana / New Mexico Locust	15 gal.	min. 3 trunks, 3/4", 1", 1 1/4" min. cal., 6'-8' ht., 3' min. sprd.	M
	28		Taxodium distichum / Bald Cypress	B & B	6'-8' ht.	M+
Shrubs / Grasses	44		Cotoneaster lacteus / Red Clusterberry	5 gal.	2'-3' ht. and sprd., 6' o.c.	M
	23		Erysimum linifolium / 'Bowles Mauve' Wallflower	1 gal.	min. 6" ht. and sprd.	M
	73		Perovskia atriplicifolia / Russian Sage	5 gal.	2'-3' ht., 4' o.c.	M
	59		Rosmarinus officinalis 'Tuscan Blue' / 'Tuscan Blue' Rosemary	5 gal.	18" min. ht. and sprd., 4' o.c.	M
	52		Sorghastrum nutens / Indiangrass	1 gal.	2'-3' ht., 4' o.c.	M

Landscape Boulders - 3' average dimension in any direction.
Total of 59 - see detail 1 / L-3. Exact location of boulders shall be determined in the field with the Owner's Representative.

GENERAL LANDSCAPE NOTES

1. Prior to beginning work on the project, the Landscape Contractor shall review the project in the field with the Owner's Representative.
2. If discrepancies occur between the drawings and the site, the Landscape Contractor shall notify the Owner's Representative for clarification prior to proceeding on that portion of work.
3. All planting areas are to have weeds and competitive vegetation removed prior to preparation for planting.
4. All existing plant materials shall be protected during construction. Damaged materials shall be replaced in kind at the Contractor's expense.
5. Plant quantities are provided for Contractor's convenience only, plans shall take precedence.
6. The Owner's Representative shall approve all plant material prior to planting. In addition, the Owner's Representative reserves the right to refuse any plant material deemed unacceptable. The Owner's Representative is to approve any and all substitutions. Contact Jeff Hart, Park Management Division Urban Forester, at 857-8650 for plant inspections.
7. It is the Landscape Contractor's responsibility to locate all underground utilities prior to commencement of planting operations.
8. Planting installation shall be in accordance with all City of Albuquerque standard specifications (Section 1005 - Planting) and details 2714, and 2717. Mulch shall be as noted in plans, not as noted in COA details.
9. Turf seeding shall be in accordance with City of Albuquerque standard specifications (Section 1011 - Turf Seeding).

FOR INFORMATION ONLY

15' 0 30' 60'
SCALE: 1" = 30'

1 LANDSCAPE BOULDER
N.T.S.

LANDSCAPE CONSTRUCTION NOTES

1. Reseed turf areas disturbed due to construction.
2. 4" layer of 7/8" Santa Fe Brown over Mirafi weed control fabric. Submit sample for approval.
3. Cobbles shall be 2"- 4", round, Santa Ana Tan. Submit sample for approval.
4. Boulders shall be min. 3' dimension, Moss Rock or approved equal.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

BENCH MARKS
ACS BENCHMARK 9-Q11, COORDINATES ARE BASED ON NM STATE PLAN COORDINATES SYSTEM, CENTRAL ZONE NAD 27, USE GROUND-TO-GRID FACTOR =0.99968.
DATE

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK ACCEPTANCE BY DATE
VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
SAMUEL L. MORTIER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		SIM	
DRAWN BY		WMA	
CHECKED BY		SIM	

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VALLEY GARDENS PARK
PLANTING PLAN, LEGEND & NOTES

Design Review Committee: APPROVED FEB 26 2001 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED FEB 26 2001 CITY ENGINEER
Last Design Update
No. / Day / Yr. | No. / Day / Yr.

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