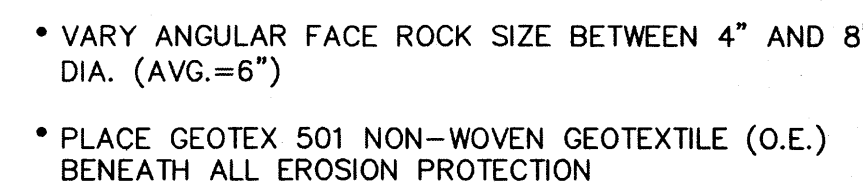




Sheet CG-101



SCALE: N.T.S.

DRAINAGE CERTIFICATION WITH VERIFICATION BY ENGINEER OF RECORD

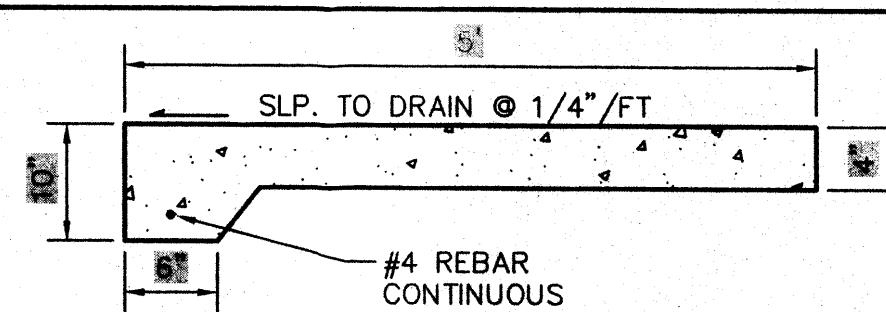
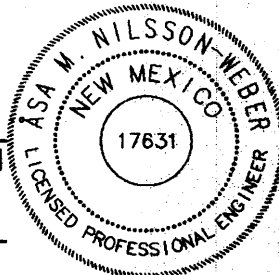
I, Asa Nilsson-Weber, NMPE, of the firm Isaacson & Arman, P.A., hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated 12/20/2013. The record information edited onto the original design document has been obtained by me or under my direct supervision as supplemental data to the original topographic survey prepared by William D. Neish, NMPLS 21081, of the firm of Wilson & Co. I further certify that I have personally inspected the project and the data provided is representative of visual inspection that data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief with the following exceptions as noted on the plans:

1. A retention pond was added north of the pump house to capture offsite flows from the adjoining ball field.
2. A percolation pit was added north of the playground equipment area to reduce surface ponding within the landscaping.
3. A berm was added along the north fence to redirect offsite flows from the adjoining park and ball field.

This certification is submitted in support of a request for Certificate of Occupancy.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

Asa Nilsson-Weber
Asa Nilsson-Weber NMPE #17631
6-9-15
Date

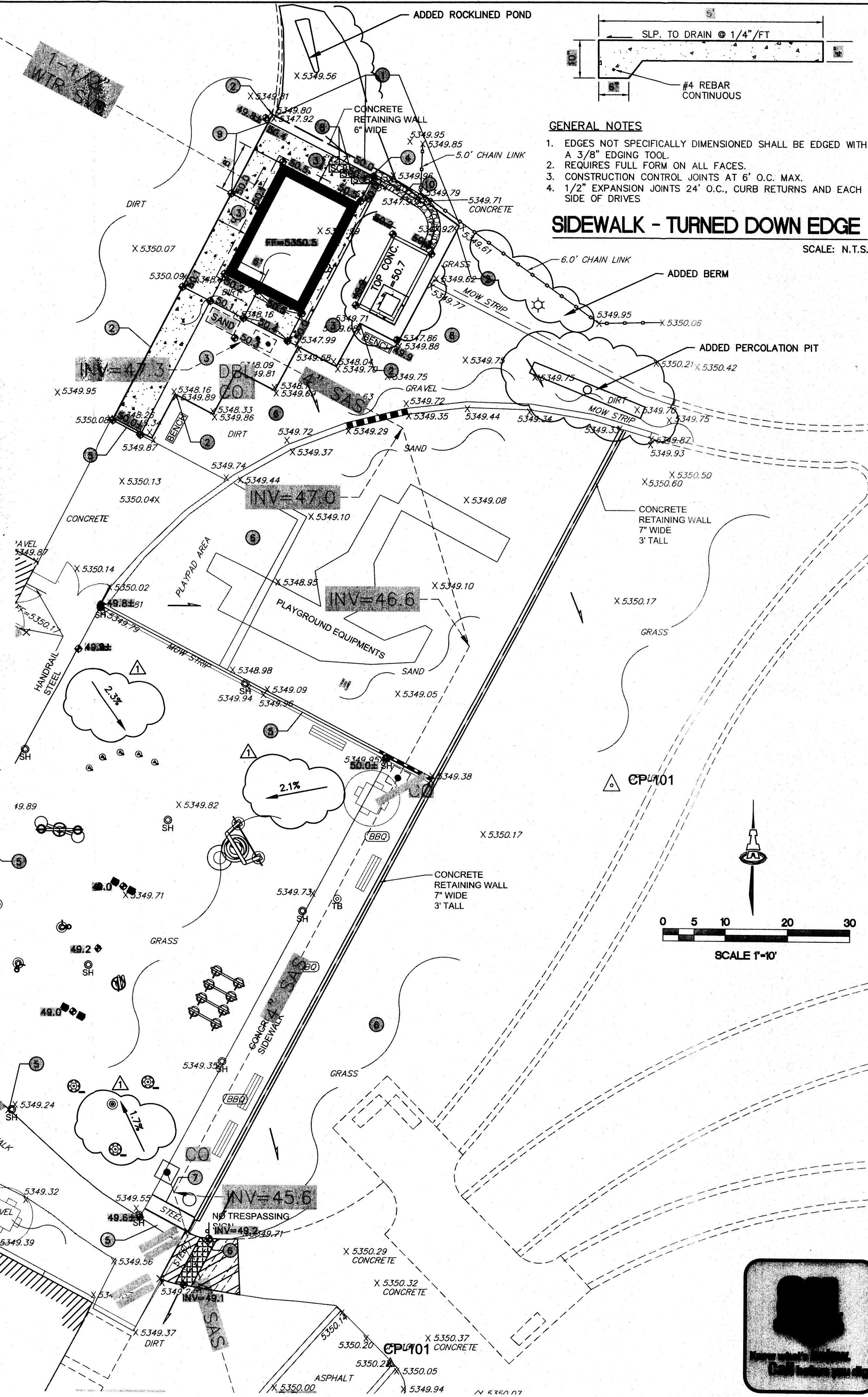


GENERAL NOTES

1. EDGES NOT SPECIFICALLY DIMENSIONED SHALL BE EDGED WITH A 3/8" EDGING TOOL.
2. REQUIRES FULL FORM ON ALL FACES.
3. CONSTRUCTION CONTROL JOINTS AT 6' O.C. MAX.
4. 1/2" EXPANSION JOINTS 24' O.C., CURB RETURNS AND EACH SIDE OF DRIVES

SIDEWALK - TURNED DOWN EDGE

SCALE: N.T.S.



- A. COORDINATE WORK WITH SITE PLAN, UTILITY PLAN, DEMOLITION PLAN, AND LANDSCAPE PLAN.
- B. ALL TRASH, DEBRIS, & SURFACE VEGETATION SHALL BE CLEARED AND LEGALLY DISPOSED OF OFFSITE.
- C. ALL SUBGRADE, OVEREXCAVATION, AND FILL SHALL BE PLACED AND / OR COMPACTED PER THE GEOTECHNICAL REPORT AND CITY OF ALBUQUERQUE SPECIFICATIONS.
- D. FINAL GRADES SHOWN REPRESENT TOP OF FINISH MATERIAL (I.E. TOP OF CONCRETE, TOP OF CONCRETE BUILDING PAD, TOP OF PAVEMENT MATERIAL, TOP OF LANDSCAPING MATERIAL, ETC.) CONTRACTOR SHALL CONDUCT A SURVEY TO COMPARE AND DETERMINE EARTHWORK ESTIMATES BASED ON ELEVATIONS SHOWN MINUS FINISH MATERIAL THICKNESSES.
- E. UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING AS SHOWN ON PLAN. COMPACT WITH UNIFORM SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE INDICATED.
- F. EXISTING UTILITY LINES ARE SHOWN IN AN APPROXIMATE MANNER. ONLY AND MAY BE INCOMPLETE OR OBSOLETE. SUCH LINES MAY OR MAY NOT EXIST WHERE SHOWN OR NOT SHOWN. CONTRACTOR SHALL CONTACT NM-811 FOR UTILITY LINE SPOTS TWO WORKING DAYS PRIOR TO CONDUCTING SITE FIELD WORK. CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES.
- G. OWNER WILL PROVIDE SOIL TESTING AND INSPECTION SERVICES DURING EARTHWORK OPERATIONS. CONTRACTOR SHALL ALLOW TESTING LABS TO INSPECT AND APPROVE COMPACTED SUBGRADES AND FILL LAYERS BEFORE FURTHER CONSTRUCTION WORK IS DONE. SHOULD COMPACTION TESTS INDICATE INADEQUATE DENSITY, CONTRACTOR SHALL PROVIDE ADDITIONAL COMPACTION AND TESTING AT THE CONTRACTOR'S SOLE EXPENSE.
- H. OWNER HAS ESTABLISHED PROPERTY BOUNDARY CORNERS. CONTRACTOR SHALL PROVIDE ALL OTHER CONSTRUCTION STAKING. CONTRACTOR SHALL LOCATE AND PRESERVE ALL BOUNDARY CORNERS AND REPLACE ANY LOST OR DISTURBED CORNERS AT CONTRACTOR'S SOLE EXPENSE.
- I. ADJUST RIMS OF EXISTING UTILITY FEATURES AS NECESSARY TO MATCH NEW GRADES, TYPICAL.
- J. ALL AREAS DISTURBED BY CONSTRUCTION (OUTSIDE PROPOSED SITE AREA) SHALL BE RE-LANDSCAPED AS SPECIFIED ON THE LANDSCAPE PLAN.

LEGAL DESCRIPTION: WITHIN PHIL CHACON PARK

FLOOD_ZONE: ALL PORTIONS OF THIS SITE ARE IN A ZONE X,
OUTSIDE THE 100-YEAR FLOOD ZONE, PER FEMA FIRM
PANEL NO. 35001C0354H DATED AUGUST 16,2012.

ENGINEER: GENEVIEVE L. DONART
ISAACSON & ARFMAN, P.A.
128 MONROE ST NE, ABQ. NM 87108
PHONE: (505) 268-8828

SURVEYOR: WILSON & CO.
4900 LANG AVE NE
ALBUQUERQUE, NM 87109
PHONE: (505) 348-4000

BENCHMARK: A CITY OF ALBUQUERQUE SURVEY CONTROL 3-1/4" ALUMINUM DISK, STAMPED "ACS, 2-L19, 1984", SET FLUSH ON TOP OF TOP OF THE CURB, LOCATED ON THE SE QUADRANT OF LOUISIANA BLVD. & CONTINENTAL LOOP NE.

ELEV=5339.761' (NAVD 1988)

EXISTING CONDITIONS:

THE EXISTING SITE CONSISTS OF A SMALL, GRASS LANDSCAPED AREA, A PLAYGROUND WITH WOOD CHIPS AND RUBBERIZED SURFACE, AND A SMALL, SUNKEN, WATER HARVESTING AREA. THE GRASS AREA AND THE PLAYGROUND ARE SURROUNDED BY SIDEWALK, WITH THE CESAR CHAVEZ COMMUNITY CENTER BUILDING TO THE NORTHWEST AND SOUTHWEST. A SHORT, CONCRETE SCREEN WALL IS ALONG THE SOUTHEAST EDGE OF THE SIDEWALKS.

THE WATER HARVESTING AREA WAS DESIGNED BY THE CESAR E CHAVEZ COMMUNITY CENTER DRAINAGE PLAN BY JEFF MORTENSEN & ASSOC. DATED 07/08/98 TO HARVEST OFFSITE WATER FROM THE NORTH (BASIN B-2A), WITH OVERTLOW BEING DIRECTED WESTWARD ALONG THE NORTH EDGE TOWARDS DOWNSTREAM BASIN B-2B. BASIN B-2B ACCEPTS ALL THE FLOWS FROM BASIN B-2A. THE WATER HARVESTING AREA IS SUNKEN BY APPROXIMATELY 2', AND IS SURROUNDED BY CONCRETE RETAINMENT WALLS. IT DOES NOT APPEAR THAT MUCH WATER ENTERS THE HARVESTING AREA, EXCEPT BY OVERTOPPING THE CONCRETE WALL.

THE ENTIRE SITE IS VERY FLAT, BUT DRAINS TO EXISTING
SIDEWALK CULVERTS ON THE SOUTH SIDE OF THE GRASS AREA,
THIS STORM WATER IS DIRECTED TOWARDS TREES IN THE PHIL
CHACON PARK.

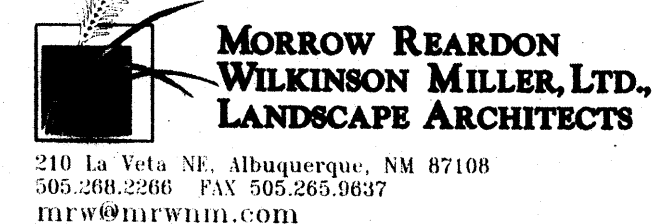
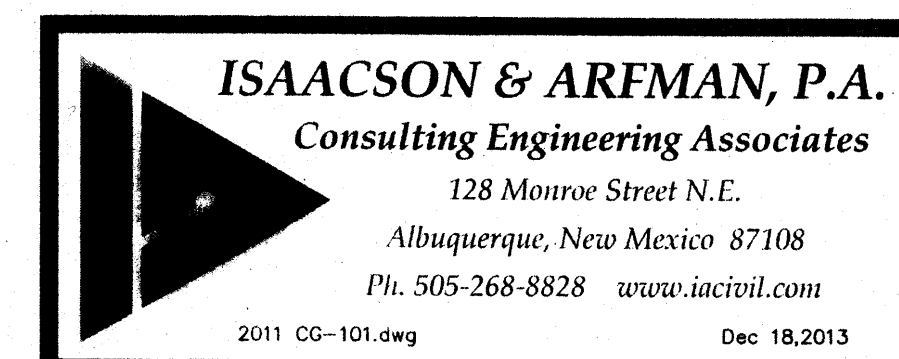
PROPOSED CONDITIONS:

THE PROPOSED SITE WILL REMOVE THE GRASS AREA, AND INSTALL A SPLASH PARK. THE EXISTING PLAYGROUND WILL HAVE NEW EQUIPMENT INSTALLED, BUT WILL OTHERWISE REMAIN UNCHANGED. THE WATER HARVESTING POND WILL BE FILLED IN, AND A PUMP HOUSE FOR THE SPLASH PARK WILL BE PLACED WITHIN THIS AREA. THE EXISTING CONCRETE WALL ALONG THE NORTH SIDE OF THE HARVESTING AREA WILL REMAIN, TO DIVERT FLOWS WESTWARD ALONG THE NORTH SIDE OF THE SITE.

SINCE RAINFALL WITHIN THE SPLASH PAD WILL BE CAPTURED BY THE WATER RECYCLING DRAINS, THERE WILL BE NO APPRECIABLE CHANGE TO THE FLOWS EXITING THE SITE.

1. KEEP EXISTING CONCRETE RETAINING WALL TO DIVERT OFFSITE FLOWS TO THE WEST.
2. REMOVE EXISTING CONCRETE RETAINING WALL.
3. FILL EXISTING POND AS NEEDED TO PROVIDE FINISHED FLOOR ELEVATION, AND SMOOTH SLOPES AWAY FROM BUILDING.
4. ADJUST IRRIGATION CONTROL BOX TO GRADE. INSTALL EXTENSIONS AS REQUIRED.
5. MATCH NEW CONCRETE TO EXISTING SIDEWALK GRADES.
6. MAINTAIN EXISTING DRAINAGE PATHWAYS.
7. REMOVE AND DISPOSE OF EXISTING SIDEWALK CULVERT. REPLACE WITH CONCRETE SIDEWALK PER COA STD DWG #2430.
8. ADJUST IRRIGATION CONTROL BOX TO GRADE. INSTALL EXTENSIONS AS REQUIRED. SEE SHEET L-101 FOR INFORMATION REGARDING VALVE REMOVAL.
9. SIDEWALK-TURNED DOWN EDGE. SEE DETAIL ON THIS SHEET.
10. 2' WIDE FRACTURED FACE SWALE FROM STORM OVERFLOW DISCHARGE FROM SURGE TANK TO NORTH SIDE OF PUMP HOUSE. SEE DETAIL ON THIS SHEET.

78.3 PROPOSED SPOT ELEVATION
 FLOW ARROW
 FF = 6881.0 FINISH FLOOR ELEVATION
 TC 81.9 TOP OF CURB
 FL 81.4 FLOWLINE ELEVATION



CITY OF ALBUQUERQUE
STRATEGIC PLANNING AND DESIGN
PARKS AND RECREATION DEPARTMENT

CESAR CHAVEZ SPLASH PAD GRADING & DRAINAGE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr	Mo./Day/Yr
City Project No. 721500	Zone Map No. 1-19		Sheet CG-101	

[illegible]

BENCH MARKS

A CITY OF ALBUQUERQUE SURVEY CONTROL
3-1/4" ALUMINUM DISK, STAMPED "ACS,
2-L19, 1984", SET FLUSH ON TOP OF TOP
OF THE CURB, LOCATED ON THE SE
QUADRANT OF LOUISIANA BLVD. &
CONTINENTAL LOOP NE.
ELEV.=5339.761' (NAVD 1988)

[illegible]

REVISIONS		BY
2/3/14	ADDED SLOPES & ARROWS	GLD
NO. DATE		REMARKS
DESIGNED BY		GLD
DRAWN BY		GLD
CHECKED BY		GLD
		12/20/13
		12/20/13

