

Various Project Photos of Maricopa County Flood Control Projects 1970 thru 1977

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Various Project Photos of Maricopa County Flood Control Projects

1970 thru 1977

Alma School Drain.



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Alma School Drain.



Repair work on Beardsley Canal
north of Camelback Rd. 9-16-70



Cable crossing (Mountain Bell)
at Beardsley Canal. 3-10-77
(Above and right)

Buckeye #1. View of tranverse cracking on upstream slope. Crack continues through on downstream face and through fill at toe of embankment. 8-4-76



Buckeye # 1. Longitudinal fracture along crest near gate operator. 8-4-76



Buckeye #1. 1st fracture west of Palo Verde Gate. 8-4-76



Buckeye #1. Between Palo Verde and Johnson Rd. Long crck on Highway side along toe. 8-4-76



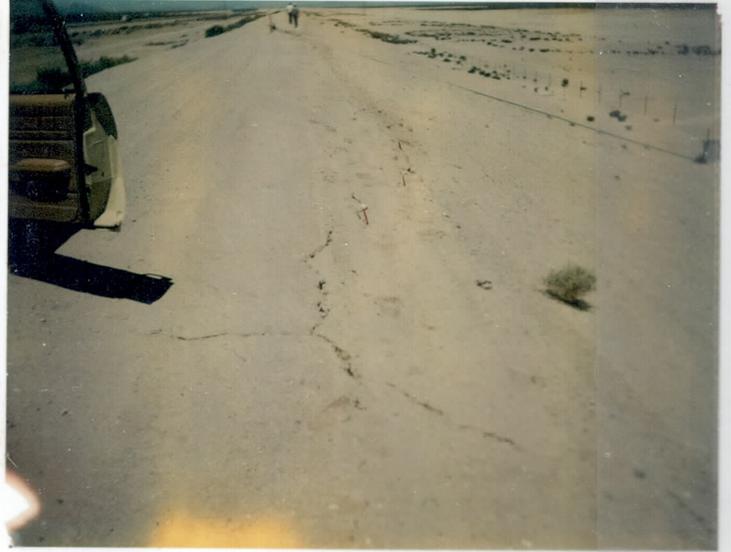
Trench for cable (Mountain Bell) at
Beardsley Canal. (All three pictures)
3-10-77



Buckeye #1. View of tranverse cracking on upstream slope. Crack continues through on downstream face and through fill at toe of embankment. 8-4-76



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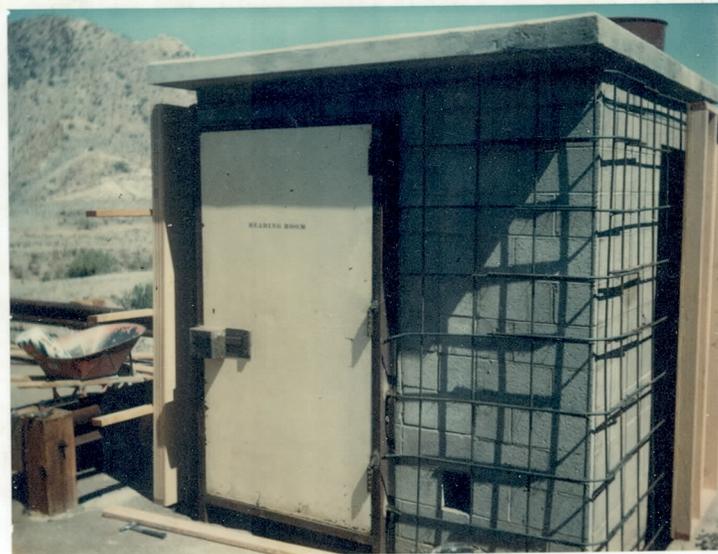
Buckeye #1. Between Palo Verde and Johnson Rd. Long crck on Highway side along toe. 8-4-76

Leavitt examining cracks on Buckeye
FRS #2.





Dreamy Draw. View of instrument house showing reinforcing prior to concrete placement. (Below: Note extra steel door)





FCD office landscaping.



Indian Bend Wash. Vertical joint.
East abutment, south side of
McKellips Rd. Bridge over Indian
Bend Wash. (ABOVE) 3-9-76



Vertical joint- west abutment-
south side McKellips Rd. Bridge
over Indian Bend Wash. 3-9-76



Vertical joint- west abutment-
north side McKellips Rd. Bridge
over Indian Bend Wash. 3-9-76



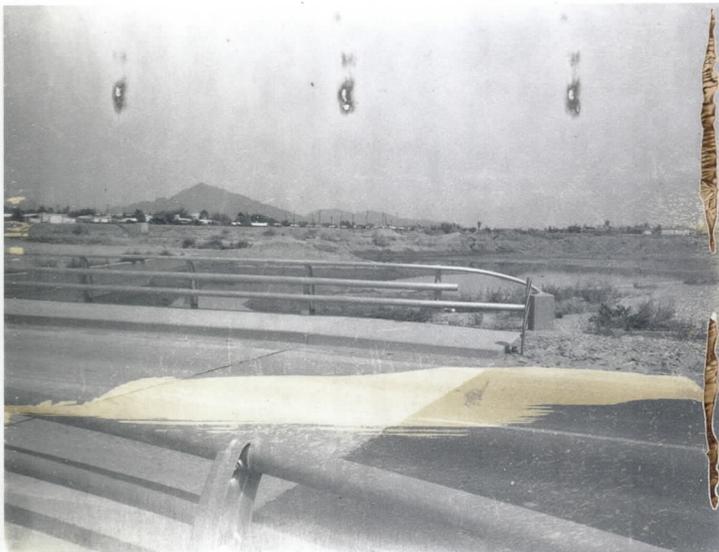
Vertical joint east abutment,
north side, McKellips Rd. Bridge
over Indian Bend Wash. 3-9-76
(Both pictures)



Indian Bend Wash. View of McKellips Rd. Bridge looking northwesterly.



Indian Bend Wash. McKellips Rd. Bridge - looking northeasterly.



Indian Bend Wash. McKellips Rd. Bridge. Overall view upstream of bridge showing water impoundment.
5-7-76



Indian Bend Wash. McKellips Rd. Bridge. Approximate slab demolition southeast corner of bridge.

Indian Bend Wash. View of excavation for recompaction of telephone cable paralleling Princess. View looking west toward bridge. 5-27-76



Indian Bend Wash. View of excavation for recompaction of telephone cable looking north to terminal point. Chain link fence at switchyard. 5-27-76



Indian Bend Wash. Placing rock on ditch slope. 5-27-76



Indian Bend Wash. View of settlement in Mountain Bell Telephone cable trench at corner of bridge. 5-27-76

Indian Bend Wash. View of trench area showing APS gas line to be recompacted. 5-28-76



Indian Bend Wash. View of storm drain pipe laying looking north on 78th St. from Princess Dr. 5-28-76



Indian Bend Wash. View of man hole for storm drain south side of Princess Drive & 78th St. 5-28-76



Indian Bend Wash. View of man hole location for storm drain piping at intersection of Princess and 78th St. 5-28-76

Indian Bend Wash. View of area to be recompacted on corner of Miller and Princess. Note 12" waterline, existing irrigation pipeline, 2" gas line- 2" gas line under 12" waterline. View looking west. 5-26-76



Indian Bend Wash. View of excavation for storm drain showing irrigation pipe and 12" water line- corner of Miller and Princess. View looking east. 6-3-76



Indian Bend Wash. View of northerly end of underpass on Princess Drive. 5-28-76

Indian Bend Wash. View of excavation trench for recompacted back fill over gas line. Corner of Princess and Miller. View looking east. 6-3-76

Indian Bend Wash. Temporary sign provided by Lee Construction Co. during Princess St. closure.



Indian Bend Wash. View of back filled trench over 12" water line. Corner of Miller and Princess. 6-3-76 View looking north.



Indian Bend Wash. View of Princess Drive looking west from bridge on Princess Dr.

Indian Bend Wash. View looking east of recompacted back fill using AB material over APS gas line- under new access road. 6-8-76



Indian Bend Wash. View of operations on Princess Drive, looking west from storm drain crossing at 67+50+ . 6-7-76



Indian Bend Wash. View from bridge at princess Dr.- looking upstream. 6-7-76

Indian Bend Wash. View looking east across wash location of exploratory excavation approximately Station 70+00 and canal in foreground. 6-8-76

Indian Bend Wash. View of trench opened up to examine wet ground being back filled. This area explored by Corps of Engineers since structure is to be placed on it. Approximate Station 70+00. 6-8-76



Indian Bend Wash. View of telephone cable crossing 18" storm drain from catch basin in corner of Princess & Miller- Cable covering damaged during initial excavation & cut into during 2nd Excavation shown in this photo. 6-8-76



Indian Bend Wash. View of exploration requested by Corps of Engineers. This excavation in far view of picture. 6-8-76



Indian Bend Wash. View of trench and grading ditch for 18" storm drain at Miller and Princess. View looking east. 6-8-76

Indian Bend Wash. View of existing lake and landscape east of Yavapai School.
6-8-76



Indian Bend Wash. View of existing lake east of Yavapai School-looking east from rear of school showing landscape. condition. 6-8-76



Indian Bend Wash. View of existing lake east of Yavapai School- looking east from rear of school showing landscape condition. 6-8-76



Indian Bend Wash. View of existing lake east of Yavapai School - looking east showing landscape. 6-8-76

Indian Bend Wash. Yavapai School Contract. View of school ground installations - east of school. 8-3-76

Indian Bend Wash. Yavapai School Contract. Dumping base in school yard east of school. 8-3-76



Indian Bend Wash. View looking downstream toward Princess St. Bridge. 8-3-76

Indian Bend Wash. Yavapai School Contract. View of work on sprinkler installation along south side of school. 8-3-76

Indian Bend Wash. View of access to business north of Princess as seen from Princess & Miller.

8-3-76



Indian Bend Wash. View of slope prepared for rock surfacing down stream from Princess along west side of channel.

8-3-76



Indian Bend Wash. View of trench on slope for rock surfacing- school yard at Yavapai.

8-3-76



Indian Bend Wash. View of rock slope along west side of main channel showing (3) stages of work and top-soil along top.

8-3-76

Indian Bend Wash. View of rock surfacing on channel slope east and south of Princess St. 8-3-76



Indian Bend Wash. View of excavating equipment downstream of Princess St. 8-3-76



Indian Bend Wash. View of Gradall sloping dike for rock surfacing along east channel. Slope downstream of Princess St. 8-3-76



Indian Bend Wash. View of Gradall used to excavate and slope bank for rock protection along channel banks. 8-3-76

Indian Bend Wash. View of dirt ramp access to Nina Stake & area to south of Princess & Miller. 8-3-76



Indian Bend Wash. View of water ponding south of ramp to Nina Stake Co. at Princess & Miller. 8-3-76



Indian Bend Wash. View looking south east from Princess & Miller showing Nina Stake operations. 8-3-76

Indian Bend Wash. View of Princess St. and east as seen from intersection at Miller. 8-3-76

Indian Bend Wash. View of reworked back fill under approach slab east and of McKellips Bridge. 9-14-76



Indian Bend Wash. View of street construction looking east from bridge. 9-14-76



Indian Bend Wash. View of wet area being recompactified- west end of Princess St, bridge. 9-14-76

Indian Bend Wash. View of Princess St. bridge.(downstream) 9-14-76

Indian Bend Wash. View of compaction effort along curb - Princess St. construction. 9-14-76

View of street construction east of Princess St. bridge. 9-14-76



Indian Bend Wash. View of reworked back fill under approach slab west end of McKellips Bridge. 9-14-76

Indian Bend Wash. View of recompacted material - close-up in corner of approach - slab foundation material - west end of McKellips Bridge. 9-14-76

Indian Bend Wash. View of ditch construction by Lee Construction. to divert surface runoff away from business south of Corps of Engineers and Lee Construction office.

Indian Bend Wash. View of gradall placing rock along east bank and upstream at PrincessSt. 9-14-76.



McKellips Rd. looking east from front of Scottsdale slope area. Indian Bend Wash.

Indian Bend Wash. McKellips Road looking west of bridge.

Indian Bend Wash. McKellips Rd. Bridge. Demolition of concrete approach slab- south east corner of bridge.



Indian Bend Wash. McKellips Rd. Bridge. View of subgrade material after removal of approach slab. Southwest corner.



Indian Bend Wash. McKellips Rd. Bridge. View of subgrade material after removal of approach slab. (Southwest slab)

Indian Bend Wash. View of McKellips Rd. Bridge widening looking north from the Miller intersection.

Indian Bend Wash. View of McKellips Rd. looking south to north.

Indian Bend Wash. View of McKellips Rd. looking south to north.



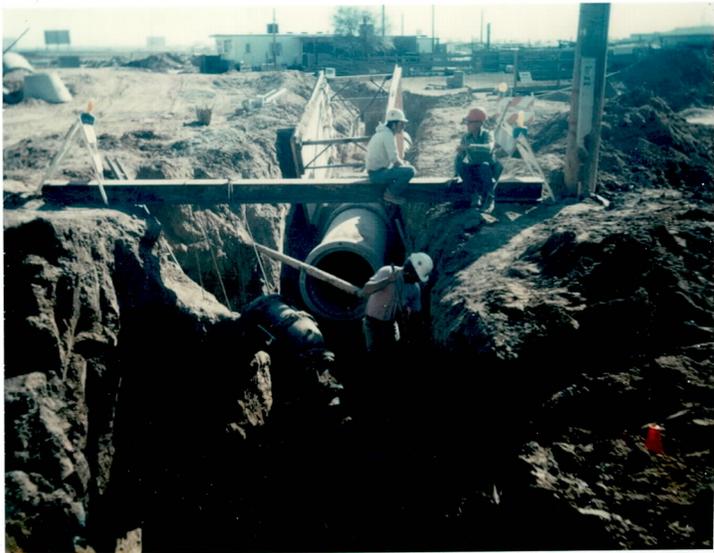
Indian Bend Wash. View of transite pipe serving small business at Princess and Miller - live belonging to Benny Cadena. 9-22-76

Indian Bend Wash. View of transite pipe coupling southeast corner of chain link fence where Mr. Cadena's 4 inch waterline runs north in front of business places. 9-22-76

Indian Bend Wash. View of trench for temporary 1 inch rolled plastic waterline to serve Cadena & business customers . 9-22-76



Indian Bend Wash. View of temporary support of 12 inch waterline while installing storm drain line. 11-22-76



Indian Bend Wash. View of 12 inch waterline modified to fit storm drain installation near City of Tempe Well # 6. 11-22-76

Indian Bend Wash. View of storm drain line looking southeast from McKellips St. 11-22-76

Indian Bend Wash. View of work area for storm drain line installation at McKellips Rd. - Tempe Well #6 in left foreground.



Indian Bend Wash. McKellips Rd. View of new man hole and sewer line from City of Tempe Well # 6 and portion of excavation for storm drain at intersection with 12 inch waterline. 11-22-76



Indian Bend Wash. View of storm drain looking from east to west at angle point. 12-1-76

Indian Bend Wash. View of private drive looking from front yard of property toward McKellips Rd. Storm drain line construction in upper part of picture. 12-1-76

Indian Bend Wash. View of trench for waste water line from Tempe Well #6 in upper part of picture.



Indian Bend Wash. View showing temporary anchor Lee Construction is using to hold 12 inch water line in place while laying storm drain. 12-1-76



Indian Bend Wash. View of storm drain line installation as seen looking westerly from in front of Well # 6. 12-9-76

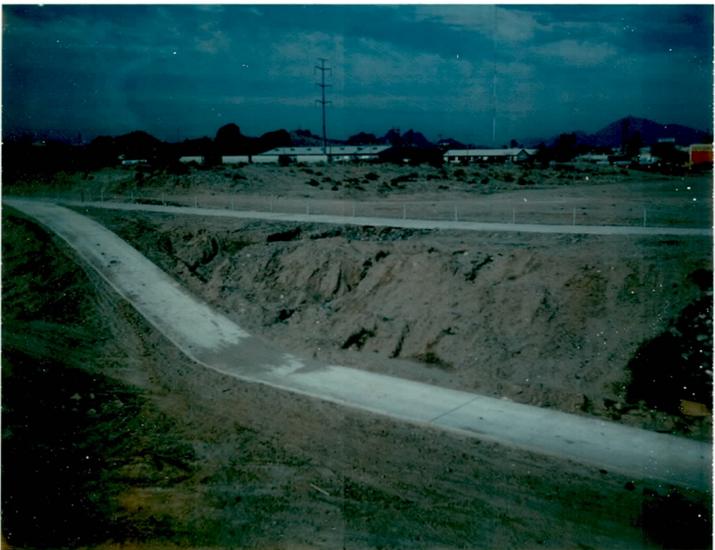
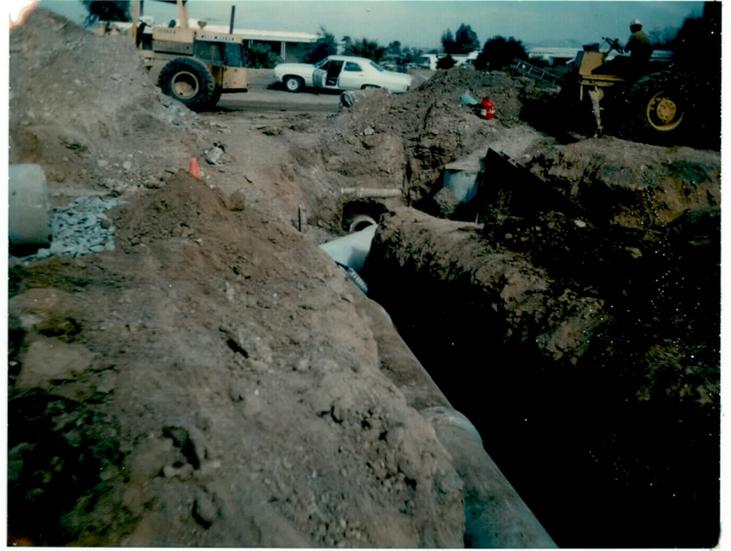


Indian Bend Wash. View of Tempe Well #6 waste water pipeline - looking northwesterly. Storm drain man hole forms in foreground. 12-9-76

Indian Bend Wash. View of typical anchor used to secure 12 inch waterline during installation of storm drain west of McKellips Rd. Bridge. 12-9-76



Indian Bend Wash. View of pipeline from Tempe Well #6 (waste line) looking north from fenceline showing pipe alignment. Point of connection is center of photo. 12-9-76



Indian Bend Wash. View of erosion on north bank of Salt River immediately west of Scottsdale bridge. 12-9-76

Indian Bend Wash. View of south side of Princess looking east from Miller. 12-14-76

Indian Bend Wash. View of area proposed for placing sign for business off Princess & Miller. 12-14-76



Indian Bend Wash. View of trench line along east wall-looking north.



Indian Bend Wash. View of work area on new sewer installation on south side of building. 12-17-76 (Stadium Property)

Indian Bend Wash. View of excavation for McKellips Lake - looking north from McKellips Rd. Bridge. 1-25-77

View of McKellips Lake looking
upstream from McKellips Rd.
3-22-77



Indian Bend Wash. View of McKellips
Rd. looking east across bridge.
1-25-77



Indian Bend Wash. View of lake
area and ramadas, upstream of
McKellips Rd. Bridge. 1-25-77



Indian Bend Wash. View of picnic
ramadas looking east from west side
of McKellips Lake excavation.
1-25-77

View of McKellips Lake from ramadas looking north to south. 3-22-77



View of tractor and spreader used to spread salt in McKellips Lake. 3-22-77



Indian Bend Wash. View of lining application for McKellips Lake looking east to west by Lee Construction. 3-21-77

View of McKellips Lake looking upstream from ramada - Salt lining completed. 3-22-77

McKellips Lake. 3-28-77
(Both pictures below)



Indian Bend Wash. View of McKellips
Lake inlet stone protection. Grouting
in progress. 3-21-77

Indian Bend Wash. McKellips Lake looking
north from McKellips Road. 4-18-77
(Both pictures below)



Indian Bend Wash. Grouted rock inlet to
McKellips Lake. 4-18-77
(Both pictures above)



McMicken Dam. Water was 15'
from top of dam. 9-16-70
(Both pictures)



View of unknown marker post -
looking southwesterly from top
of McMicken Dam. 3-10-77



McMicken Dam. View of operations
on crest looking south - north
showing 2 pumping lines and back
lines in foreground from station
451+86.



McMicken Dam. Station 456+10.
View looking downstream to
upstream showing Eric inspecting
cracking on upstream slope
just over upstream shoulder.
4-4-77



McMicken Dam. Overall view of
excavation at station 460+90 &
461+00. 4-4-77

McMicken Dam. Station 460+18.
View of upstream cut looking
north to south. 4-4-77



McMicken Dam. Station 460+18.
View of upstream cut looking
north to south. 4-4-77



McMicken Dam. Station 458+57.
upstream cut. View looking from
south to north. 4-4-77

View of excavation for crack inspection at station 456+18.
4-4-77



McMicken Dam. Station 460+18.
View of excavation on crest
looking south to north into
hole. 4-4-77



McMicken Dam. View of excavation
for cracks at stations 465+79 &
465+85 looking south to north.
Watering cracks in trench in
foreground. 4-5-77

McMicken Dam. Back fill
operations on dam crest
after inspection at station
460+90. 4-5-77

McMicken Dam. 4-5-77



McMicken Dam. Station 465+88.
View of downstream side of
diminished cracking. 4-5-77



McMicken Dam. Station 465+79.
View of excavation showing
crack character. Excavation
5 ft. by 7 ft. by 3 ft. deep.
4-5-77



McMicken Dam. View of typical
barricading of excavations on
dam crest. 4-5-77

McMicken Dam. View of back fill
in progress made on crest of dam
at station 456+10. Bob Wately
Contractor. 4-8-77



McMicken Dam. Station 458+57
Wateleys J P model # 510
excavation to additional depth
on previously excavated trench.
4-8-77



McMi ken Dam. View of density being
taken with sand core at station
456+10. 4-8-77



McMicken Dam. Overall view of
backfill operations looking
north. 4-13-77

McMicken Dam. View of FCD backfill operations looking south.
4-13-77



McMicken Dam. View of equipment working on backfill looking south.
4-13-77



McMicken Dam. View of ECD backfill operations looking south. 4-13-77

McMicken Dam. View of compactor in excavation during backfill operations.
4-13-77



Old Cross Cut Canal. View looking down stream from 2nd Footbridge or end of debris removal in ditch. Looking toward Van Buren Street. Note men working on pipe to be used to divert from point \pm 1000' upstream from Van Buren street. 11-18-75 (Left)

View of Old Cross Cut looking upstream from Van Buren Street. 11-18-75 (Right)



Old Cross Cut Canal. View of excavation immediately downstream of Van Buren Street. Excavation placing granular fill and dewatering for for foundation slab. 12-17-75



Old Cross Cut Canal. View looking upstream of Van Buren Street showing course after rain past week end. Bottom of ditch filled with material cut from sides to conform to new section. 12-17-75



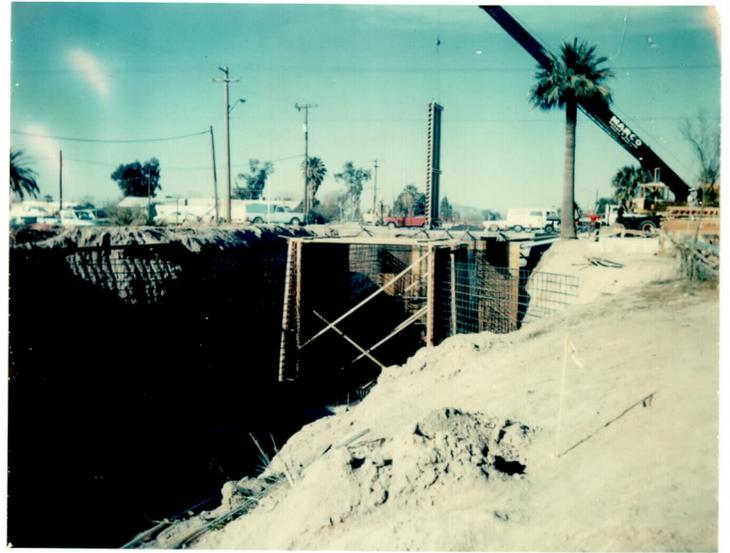
Old Cross Cut Canal. View of excavation immediately downstream of Van Buren Street. Excavation placing granular fill and dewatering for foundation slab. 12-17-75

Old Cross Cut Canal. View of canal crossing construction and dewatering at saw dust plant and trailer court. 12-17-75

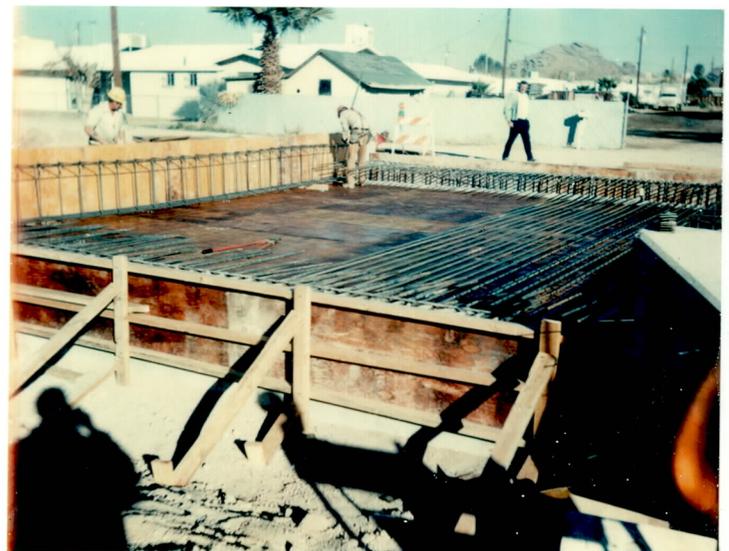
Old Cross Cut Canal. View immediately downstream of Van Buren Street. Excavation placing granular fill and de-watering for foundation slab. 12-17-75



View of Old Cross Cut Canal structure at Van Buren Street setting forms. 1-19-76



View of placing concrete for sewer line in Old Cross Cut Canal between Van Buren and Fillmore Streets. 1-19-76



View of formed bridge deck at saw dust plant on Old Cross Cut Canal. 1-19-76

View of excavation at Old Cross
Cut Canal between Van Buren and
Washington St. 1-23-76



View of truck crane used by V.O.
Construction Co. to handle forms
at Van Buren structure on Old Cross
Cut Canal. 1-23-76



View of 2nd drop structure up-
stream of Van Buren St..Old
Cross Cut Canal.



View of base slab and reinforcing
structure at Fillmore St. on Old
Cross Cut Canal. 1-23-76

Old Cross Cut Canal. Placing concrete on slope of channel upstream of Van Buren drop structure.



View of wing walls at Van Buren structure looking downstream on Old Cross Cut Canal. 1-23-76



View of pre-cast walkway for pedestrian crossing of Old Cross Cut Canal at Taylor Street. 1-23-76

View of Old Cross Cut Canal
between Van Buren St. and
Taylor St. 1-19-76



View of base slab for structure at
Indian School Rd. on Old Cross Cut
Canal. 1-23-76



View of structure in Old Cross
Cut Canal at Fillmore St.
1-23-76



View of base slab for structure at
Indian School Rd on Old Cross Cut
Canal 1-23-76

View of bridge immediately upstream of McDowell crossing showing water-stop installation. Old Cross Cut Canal.



View of bridge immediately upstream of McDowell crossing. Old Cross Cut Canal.



View of structure at Van Buren Street looking upstream on Old Cross Cut Canal. 1-23-76



View of structure at Van Buren Street looking upstream on Old Cross Cut Canal. 1-23-76

View of bridge footings for
bridge at trailer court upstream
of Van Buren. 5-10-76
Old Cross Cut Canal.



Old Cross Cut Canal. View of back-
filling with front and leader up-
stream of drop structure at Holly
Street. 5-10-76



Old Cross Cut Canal. Back-filling
upstream of drop structure at
Holly St. Compaction effort with
wheels. 5-10-76



Old Cross Cut Canal. View of drop
structure at Holly St. looking up-
stream. 5-10-76

Old Cross Cut Canal. Pumping set up upstream of Holly and 98th St. 5-10-76



Old Cross Cut Canal View of headwall construction upstream and of new pipe on McDowell St. upstream of drop structure. 5-10-76



Old Cross Cut Canal. View of structure at McDowell looking upstream. 6-3-76



Old Cross Cut Canal. View looking south of culvert and headwall at Washington St. 6-3-76



Improvements to Old Cross Cut
Canal. Shot-crete work Station
37+00. (Above) 7-15-76



Improvements to Old Cross Cut
Canal. Shot-crete work Station
41+16 7-15-76

Old Cross Cut Canal. View of erosion
around side drain. 8-3-76

Old Cross Cut Canal. View of erosion (typical) at downstream wing walls of drop structure. (At Van Buren)
8-3-76



Typical erosion at downstream chute wing walls. Drop at trailer court north of Pierce St.
8-3-76



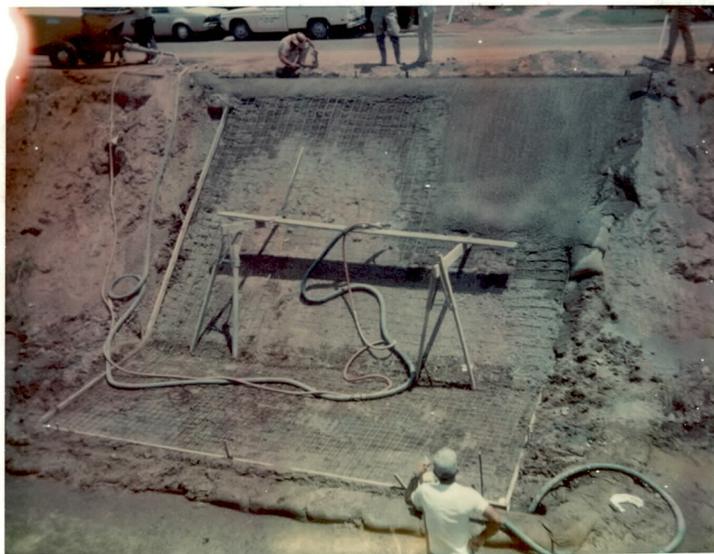
Old Cross Cut Canal. View of erosion along canal after construction.



Old Cross Cut Canal. Bank (E) erosion at Pierce and 46th St. 8-3-76



Improvements to Old Cross Cut
Canal. Shot-crete work Station
35+50. 7-15-76



Improvements to Old Cross Cut
Canal. Shot-crete work Station
35+65. 7-15-76
(All three pictures)



Old Cross Cut Canal. View of maintenance road along west side of drain downstream of Van Buren St. 8-3-76

Note-Equipment storage.



Old Cross Cut Canal. View of structure at McDowell-upstream side. 8-3-76



Old Cross Cut Canal. View of drop structure at Van Buren St.



Old Cross Cut Canal. Placing concrete for channel floor at McDowell crossing.

Old Cross Canal. View of structure at McDowell carrying SRP flow.
12-17-76



Old Cross Cut Canal. SRP discharge through small drop between Van Buren and McDowell.
12-17-76



Old Cross Cut Canal. View of SRP discharge through small drop looking downstream toward Van Buren. View between Van Buren and McDowell.
12-17-76

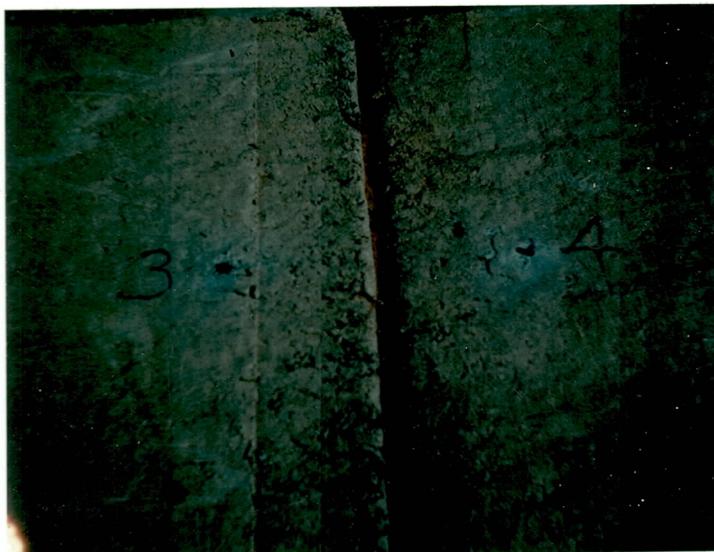


Old Cross Cut Canal. View looking downstream from 1st bridge upstream from Van Buren. Canal carrying SRP discharge from New Cross Cut Canal.
12-17-76

Powerline Floodway. View of staff inspecting core hole along Exp. & Contr. joint line #15-#16. 1-27-77



Powerline Floodway. Peterson-SCS
Monville-SCS
Leavitt-FCD
Inspection of core along line
#15-#16. 1-27-77



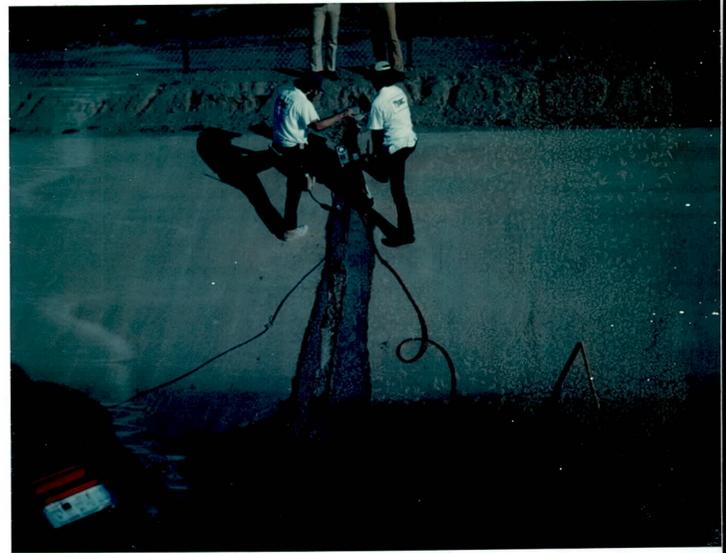
Powerline Floodway. View of powder-activated pins placed across Exp. joint for precise measurement of distances. 1-27-77

Powerline Floodway. John Blanton (FCD) setting points with Ramset gun. 1-27-77

Powerline Floodway. View of Concrete Coring Co. equipment cutting 6 in. slab through full section of channel cutting core in foreground. 1-27-77



Powerline Floodway. View of core extraction along Exp. & Contr. joint #15-#16. 1-27-77



Powerline Floodway. View of core extraction along Exp. & Contr. joint #15-#16. 1-27-77

Powerline Floodway. View of core machine removal from along Exp. & Contr. joint #15 & # 16. 1-27-77

Rittenhouse. View of fracture on upstream
face of cut made in line with downstream
shoulder. Station 98+38. 4-26-77



Rittenhouse. Overall view of watering trenches and cracks.
4-26-77



Rittenhouse. View of truck, tank and hose arrangement used to water cracks.
4-26-77



Rittenhouse. View of watering crew testing trench for cracks vicinity of station 93+15.
4-26-77



Rittenhouse. View of crack in downstream face of cut made on top of crest. Station 97+20.
4-26-77

Rittenhouse Rd. Bridge. View of bridge deck looking north to south.



Rittenhouse Rd. Bridge. View of bridge looking north.



Rittenhouse Rd. Bridge. View of completed bridge showing walkway protection along west side.



Rittenhouse Rd. Bridge. View of bridge and channel looking west.

Rittenhouse. View of excavation
in crest at station 98+38. 4-26-77



Rittenhouse. View of excavation
on line of downstream shoulder
at station 98+38. 4-26-77



Rittenhouse. General view of
excavation in crest at station
98+38. 4-26-77



Rittenhouse. General view of
crest excavation station 98+38.
4-26-77

Powerline Floodway. View of concrete coring equipment in use. 1-27-77



Powerline Floodway. View of grinding tops pins prior to setting center-punch points for horizontal measurements. 1-27-77



Powerline Floodway. View fo poits set in bottom of lined section of channel - vertical control. 1-27-77

Powerline Floodway. View of method used to set centerpunch marks in top of shot pins for horizontal measurements. 1-27-77

Rittenhouse. FRS station 97+08.
upstream side of cut. 4-27-77



Station 89+26. Upstream side of
cut. 4-27-77



Rittenhouse. View of fracture on
upstream face of cut made on centerline
of crest. Station 98+38. 4-26-77



Rittenhouse FRS Station 97+20.
downstream side of cut. 4-26-77

Rittenhouse Rd. Bridge. View of upstream side of structure.



Rittenhouse Rd. Bridge. View showing forming and concrete operations for bridge deck.



Rittenhouse Rd. Bridge. View of cylinder fabrication.

Rittenhouse Rd. Bridge. View of pump crete placing operations for bridge deck.

Rittenhouse Rd. Bridge. View of bridge deck concrete placement using pumpcrete machine.



Rittenhouse Rd. Bridge. View of bridge deck showing reinforced steel. View looking from south to north.



Rittenhouse Rd. Bridge. View of bridge showing under deck forms.

Rittenhouse Rd. Bridge. Paving
deck of bridge. (Both pictures)

