

**DRAFT**

**INDIAN BEND WASH  
FLOOD INSURANCE STUDY  
DATA COLLECTION SUMMARY REPORT**

**FCD 93-05**

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**DRAFT**

**INDIAN BEND WASH  
FLOOD INSURANCE STUDY  
DATA COLLECTION SUMMARY REPORT**

**FCD 93-05**

**Prepared for:**  
Flood Control District of Maricopa County  
2801 West Durango  
Phoenix, Arizona 85009

**Prepared by:**  
Simons, Li & Associates, Inc.  
4600 South Mill Avenue, Suite 200  
Tempe, Arizona 85282



June, 1994

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APPENDIX 6A. Data Collection Reference Database



## 6.0 INTRODUCTION

This report presents a summary of the data collected as part of the Floodplain Delineation for Indian Bend Wash (IBW). The report is formatted to coincide with the Arizona Department of Water Resources (ADWR), "Instructions for Organizing and Submitting Technical Documentation for Flood Studies," Section 6, State Standard Attachment SSA 1-90, Revised September 1991. The data compiled is from various sources including: the Flood Control District of Maricopa County (FCDMC), City of Scottsdale (COS), City of Phoenix (COP), the Town of Paradise Valley (PV), City of Tempe (COT), and ADWR. The data collected includes previous flood hazard reports and hydrology for the study area; existing topographic mapping; historical flooding information; land subsidence; as-built plans and construction plans for existing structures; FEMA Flood Hazard Boundary Maps and Letters of Map Amendment and/or Revisions; and, other pertinent information.

A database was developed to organize the collected reference material. For each item collected or reviewed, the pertinent data was recorded in the database referenced by the following fields:

1. Description
2. Author
3. Date
4. Project/Job/Report/File/FEMA Case Number
5. Type
6. Source Code
7. Source Document Code
8. Media, Size, No. Pages
9. Application to FIS

A brief description of each field and the methodology used to enter data follows:

### Description

The Description field contains the name or title of the item in the database. The exact wording found on the item is used in this field. Keyword(s) of the title are entered first in the field, followed by the rest of the title's text. An example of a keyword would be the name of any bridge or culvert crossing of Indian Bend Wash. The structure's name will start the description field. The keyword first convention promotes easier searching and sorting of related items in the database.

### Author

The Author field contains the primary writer or developer of the listed item. When the item is a letter, the author field will contain the name of the sender and recipient of the correspondence.

### Date

The Date field contains a date found on the item. For an as-built item type, the date will be the noted as-built date. For a plan item type, the date will be the engineer's stamp date, if the item was stamped. If unstamped, then the date may be any other date noted on the plan set. If NONE is indicated, no date was found on the item.

### Project/Job/Report/File/FEMA Case Number

This field provides a unique number for which the item references or regards.

### Type

The item Type field contains one word which describes the kind of item listed. Valid entries in the Type field include: as-built, plan, report, letter, map and photo. A plan entry indicates a construction drawing for which no as-built information was indicated. A report entry would include any journal articles, consultant reports and flood insurance studies.

### Source Code

The Source Code indicates where the original item was located. A summary of the Source Codes is presented in Appendix 6.A.

### Source Document Code

The Source Document Code is any code or indicator used by the source to locate or file the original item.

### Media, Size, No. Pages

The Media, Size, No. Pages fields indicate the physical features of the listed item. Many original documents can only be found on microfilm or fiche, therefore the Media field indicates the type or storage method of the item. The Media field may contain the following keywords: fiche, vellum, mylar, xerox (if a copy of an original report was located) and original (if the original of a report was located). The Size and No. Pages fields are self explanatory and are useful when trying to relocate a listed item.

### Application to FIS

The Application to FIS field contains one or more keywords indicating where and/or how the listed item may be utilized in the IBW FIS study. Valid keywords in the Application to FIS field include:

LOMR - If the item relates to a Letter Of Map Revision  
LOMA - If the item relates to a Letter Of Map Amendment  
History - If the item contains historical information regarding Indian Bend Wash  
Hydrology - If the item relates to IBW hydrology  
Hydraulic - If the item relates to IBW hydraulics  
Subsidence - If the item relates to subsidence issues

#### Database Abbreviations

Following is a list of commonly used abbreviations in the Indian Bend Wash database.

ADOT - Arizona Department of Transportation  
ADWR - Arizona Department of Water Resources  
COP - City of Phoenix  
COS - City of Scottsdale  
COT - City of Tempe  
IBW - Indian Bend Wash  
FCDMC - Flood Control District of Maricopa County  
FEMA - Federal Emergency Management Association  
FIRM - Flood Insurance Rate Map  
FIS - Flood Insurance Study  
PV - Paradise Valley, Town of  
SLA - Simons, Li & Associates, Inc.  
USCOE - United States Corps of Engineers  
USGS - United States Geological Survey

## 6.1 OTHER PUBLISHED FLOOD STUDIES

The references presented in this section include Letters of Map Revision/Amendments (LOMR/LOMA) and Certified Letters of Map Revision (CLOMR). The references listed in this section were collected from the City of Phoenix and ADWR. Additional data from the other municipalities will be added as the study progresses and will be documented in the technical data notebook (TDN).

References for Other Published Flood Studies collected to date include:

1. Buckley, M.K. (FEMA) to Acuna, R.U. (COP), "LOMA, COP Lot 95, Roadrunner Estates, 12414 North 38th Str., Panel 1680 E", February 17, 1994
2. Buckley, M.K. (FEMA) to Erie, Len (Erie & Assoc., Inc.), "LOMR, COP, 52nd Str. and Shea Blvd., Request for additional fees, Panel 1680 E", April 8, 1994
3. Buckley, M.K. (FEMA) to Acuna, R.U. (COP), "LOMA, COP Lot 101, Roadrunner Estates, 12414 North 37th Way, Panel 1660 E", February 22, 1994
4. Creighton, D.E. to Miller, Terri (ADWR memo), "Review documents master drainage study West Side Scottsdale Rd. at McCormick Pkwy.", Erie & Assoc., January 21, 1993
5. Creighton, D.E. to Miller, Terri (ADWR memo), "Review documents master drainage study West Side Scottsdale Rd. at McCormick Pkwy.", Erie & Assoc., Rev. May 1992, October 30, 1992
6. Eldridge, J.W. (FEMA) to Kienow, P.E. (COP), "LOMA, COP Lot 14, Roadrunner Estates, 3715 East Wethersfield Rd., Panel 1660 E", October 21, 1991
7. FEMA, Erie L., Neil/McGill Consultants, "Shea Blvd. and 52nd Street Folder; LOMRs, Grading & Drainage Plans, Correspondence", Various Dates
8. Jamieson, G.H. (FEMA) to Acuna, R.U. (COP), "LOMA, COP Lot 102, Roadrunner Estates, 12408 North 37th Way, Panel 1660 E", November 15, 1994
9. Jamieson, G.H. (FEMA) to Acuna, R.U. (COP), "LOMA, COP Lot 153, Paradise Valley Village Unit 3, 3726 East Aster Dr., Panel 1660 E", July 26, 1994
10. Jamieson, G.H. (FEMA) to Acuna, R.U. (COP), "LOMA, COP Lot 33, Roadrunner Estates, 12213 North 36th Place, Panel 1660 E", April 22, 1993

11. Jamieson, G.H. (FEMA) to Acuna, R.U. (COP), "LOMA, COP Lot 90, Roadrunner Estates, 3747 East Bloomfield Rd., Panel 1680 E", October 1, 1993
12. Jamieson, G.H. (FEMA) to Acuna, R.U. (COP), "LOMA, COP Lot 93, Roadrunner Estates, 12402 North 38th Str., Panel 1680 E", November 16, 1993
13. Jamieson, G.H. (FEMA) to Acuna, R.U. (COP), "LOMA, COP Lot 94, Roadrunner Estates, 12408 North 38th Str., Panel 1680 E", September 22, 1993
14. Jamieson, G.H. (FEMA) to Kienow, P.E. (COP), "LOMA, COP Lot 99, Roadrunner Estates, 12421 North 37th Way, Panel 1660 E", December 10, 1992
15. Lindsey, C.A. (FEMA) to Badilla, F.M. (COP), "LOMR, COP, Eagle's Eyre III Phase 1 & 2, Panel 1680 D", March 16, 1989
16. Lindsey, C.A. (FEMA) to Johnson, Paul (Mayor COP), "LOMR, COP Lot 134-152 & 162-164, Paradise Valley Village Unit 3, Panel 1660 E & 1680 E", October 4, 1991
17. Locke, W.R. (FEMA) to Mead, W.C. (PV), "LOMR, PV, Cheney Estates, Acceptance of request, Panel 1695 D", September 24, 1992
18. Locke, W.R. (FEMA) to Mead, W.C. (PV), "Cheney Estates, IBW", September 24, 1992
19. Mead, W.C. (PV) to Matticks, J.L. (FEMA), "Cheney Estates - Request for CLOMR for Town Paradise Valley, AZ.", June 3, 1992

## 6.2 PREVIOUS FEMA STUDIES

The references presented in this section include Flood Insurance Rate Maps (FIRM), Flood Insurance Studies (FIS), and other previous FEMA studies of Indian Bend Wash. The references listed in this section are for the effective FIS for Indian Bend Wash.

References to Previous FEMA Studies collected to date include:

1. FEMA, "FIRM; Maricopa County & Incorporated Areas, Panel 1660 of 4350", September 29, 1989
2. FEMA, "FIRM; Maricopa County & Incorporated Areas, Panel 1680 of 4350", September 29, 1989
3. FEMA, "FIRM; Maricopa County & Incorporated Areas, Panel 1685 of 4350", April 15, 1988
4. FEMA, "FIRM; Maricopa County & Incorporated Areas, Panel 1690 of 4350", April 15, 1988
5. FEMA, "FIRM; Maricopa County & Incorporated Areas, Panel 1695 of 4350", December 3, 1993
6. FEMA, "FIRM; Maricopa County & Incorporated Areas, Panel 2160 of 4350", April 15, 1988
7. FEMA, "FIRM; Maricopa County & Incorporated Areas, Panel 2170 of 4350", September 4, 1991
8. FEMA, "FIS City of Phoenix, AZ. Maricopa County", June 1979
9. FEMA, "FIS City of Phoenix, AZ. Maricopa County", June 1, 1984
10. FEMA, "FIS City of Scottsdale, AZ. Maricopa County", June 4, 1984
11. FEMA, "FIS Maricopa County, AZ. & Incorporated Areas", Vol. 1-3 & 5 of 7, September 4, 1991
12. FEMA, "FIS Maricopa County, AZ. Unincorporated Areas", May 1979
13. FEMA, "FIS Maricopa County, AZ. & Incorporated Areas, Volumes 1-3, 5 of 9", December 3, 1993

14. Harris-Toups Assoc., "Flood Boundary & Floodway Map, Work Sheets", IBW Maricopa County, Final Draft, No Date
15. PRC Engineering, "Flood Boundary & Floodway Map, Work Sheets", Town of Paradise Valley, No Date
16. Various Authors, "COP FIS Backup: Correspondence, HEC-2 Data, Etc.", 1975-91

### 6.3 OTHER APPLICABLE STUDIES

The references presented in this section can be conveniently grouped into three categories: hydrologic studies, hydraulic studies, and studies related to subsidence. The hydrologic and hydraulic studies presented in this section were developed after the U.S. Army Corps of Engineers (Corps) Indian Bend Wash project was constructed.

The Other Applicable Studies collected and referenced to date include:

1. ADOT, "McKellips Rd.; ADOT Structural Inspection & Inventory, IBW Bridge, Structure #09357", Sample of Available Data, Several Dates
2. ADOT, "McKellips Road Over IBW, Bridge Inspection Reports - Field Forms", Sample of Available Data, Various Dates
3. Author Unknown, "Scottsdale Rd.; Drainage Report IBW at", May 1985
4. Boyle Engineering Corp., "COS Master Drainage Plan, Pima/Doubletree Area", November 1989
5. Boyle Engineering Corp., "COS Storm Water Master Plan and Management Program, Basin Reports", Vol. 1, October 1993
6. Baker Engineers, "Final Hydrology Report Squaw Peak Highway", November 1988
7. Boyle Engineering Corp., "Pima/Doubletree Area Master Drainage Plan, Addendum 2 - Hayden/Shea Area", January 25, 1991
8. Carpenter, Michael C. (USGS), "Water-level Declines, Land Subsidence, & Specific Compaction near Apache Junction, South-Central Arizona", January 1987
9. Collar, Williams & White, "PVSP Drainage Study Phase III", July 21, 1978
10. Cox, G.D. to Briggs, P. & Others, "Report on Attendance at Subsidence Symposium", March 9, 1982
11. Dewberry & Davis, Various HEC-2 Input & Output Datasets for IBW FIS, 1984
12. Erie & Associates, Inc., "Camelback Golf Course Golf Cart Crossings; Analysis of, Floodplain Report, IBW...", March 6, 1992

13. Erie & Associates, Inc., "Scottsdale Road; West Side Master Drainage Study at McCormick Parkway, Revised", November 1991
14. Larson, M.K. & Pewe, T.L. (Bulletin Assoc. Engr. Geologists), "Origin of Land Subsidence and Earth Fissuring, Northeast Phoenix, Arizona", 1986
15. Simons, Li & Associates, Inc., "Outer loop freeway; concept drainage design, cap aqueduct to Salt River Indian Reservation", December 15, 1986
16. Simons, Li & Associates, Inc., "Outer loop freeway; hydrology report, CAP aqueduct to Salt River Indian Reservation", August 19, 1986
17. Simons, Li & Associates, Inc., "Outer loop highway; concept drainage design report, Camelback walk to Arizona Canal Rev. 1", November 1989
18. Simons, Li & Associates, Inc., "Outer loop highway; concept drainage design report., Arizona Canal to Salt River Rev. 1", November 1989
19. Simons, Li & Associates, Inc., "Outer loop highway; concept drainage design, University Drive to Salt River", July 1989
20. Simons, Li & Associates, Inc., "Outer loop highway; Final Report Drainage analysis for state trust lands, Scottsdale Road to Pima Road", June 1987
21. Simons, Li & Associates, Inc., "Outer loop highway; hydrology report, University Drive to Salt River", July 1989
22. Sullivan & Masson Consulting Engineers, "Final Report Lateral Drainage IBW Project", March 7, 1978
23. Sverdrup, Parcel & Assoc., "McKellips Rd. Bridge Over IBW Scottsdale, AZ., Bridge Inspection Reports", December 1, 1975
24. USGS, "Maps Showing Water-Level Declines, Land Subsidence, and Earth Fissures in South-Central Arizona", June 1978
25. Val-Tec, Inc., "Cactus Road Bridge Crossing; Backwater Analysis Indian Bend Wash", July 11, 1978
26. Water Resources Associates, Inc., "Invergordon Road to 65th Street; Hydraulic Analyses Indian Bend Wash", April 2, 1980

27. Water Resources Associates, Inc., "Invergordon Road to Mountain View Road; Hydraulic Analyses Indian Bend Wash", July 9, 1980
28. Yost and Gardner Engineers, "Master Drainage Study IBW", April 1975

## 6.4 PUBLISHED/UNPUBLISHED HISTORICAL FLOOD INFORMATION

The references presented in this section are historical by nature. The maps, reports, and plans are considered historical because the design conditions have changed or modifications were made to the original construction. A large majority of the references are reports, General Design Memorandums, developed by the Corps for the Indian Bend Wash flood control improvements.

The Historical Flood Information references collected to date include:

1. John R. Erickson, "Indian Bend Wash; Report on Flood Alleviation Studies, Scottsdale, Arizona", October 26, 1966
2. MacLean, Marjorie (Public Information Office, COS), "History IBW Flood Control Greenbelt", June 1980
3. USCOE, "Design Memo. NO. 1, GDM - Phase I, Plan Formulation for IBW", October 23, 1973
4. USCOE, "Design Memo. NO. 1, GDM - Phase I, Plan Formulation for IBW, Supplementary Report on Side Channels System", January 9, 1975
5. USCOE, "Design Memo. NO. 1, GDM - Phase II, Plan Formulation for IBW", May 16, 1975
6. USCOE, "Design Memo. NO. 3, Feature Design for Inlet Channel IBW", January 31, 1978
7. USCOE, "Design Memo. NO. 4, Feature Design for Interceptor Channel IBW", January 1980
8. USCOE, "Flood Plain Information Study for Maricopa County, Vol. I Indian Bend Wash", June 1964
9. USCOE, "Hydrology for Type 15 FIS, Phoenix, Arizona", April 12, 1973
10. USGS in cooperation with ADWR & FCDMC, "Basin characteristics and streamflow statistics in Arizona as of 1989", 1991
11. USGS for FCDMC, "Compilation of flood data for Maricopa County, Arizona through September 1989", May 1991
12. Aerial Mapping Co. Inc., IBW Topo. Maps - COS, 1"=100, , C.I.=1, , February 23, 1984

13. John Carollo Engineers, "Location Study E. Papago & Hohokam Freeways", Topo. Maps, 1986
14. Scottsdale Color Aerial Photos, No.s 30-36, 1" = 760, September & October, 1993

## 6.5 REFERENCED TECHNICAL PAPERS/DOCUMENTS USED IN STUDY

The technical references presented in the section were used to perform the Indian Bend Wash FIS. These references include:

1. Arizona Department of Water Resources, "Technical Study Documentation Notebook Standards," Revised September 1991.
2. Federal Emergency Management Agency, "Flood Insurance Study - Guidelines and Specifications for Study Contractors," FEMA 37, Federal Insurance Administration, 1993.
3. Federal Insurance Administration, "Appeals, Revisions, and Amendments to Flood Insurance Rate Maps," January 1990.
4. Flood Control District of Maricopa County, "Drainage Design Manual for Maricopa County, Arizona: Volume I, Hydrology," June, 1992.
5. United States Geological Survey, Water Resources Division, "Estimated Manning's Roughness Coefficients for Stream Channels and Floodplains in Maricopa County, Arizona," Prepared for the Flood Control District of Maricopa County, April, 1991.
6. U.S. Army Corps of Engineers, "HEC-1 Generalized Computer Program," Version 4.01, 1991.
7. U.S. Army Corps of Engineers, "HEC-2 Generalized Computer Program," Version 4.6.2, May 1991.
8. U.S. Army Corps of Engineers, "HEC-1 Flood Hydrograph Package," Users Manual, September, 1990.
9. U.S. Army Corps of Engineers, "HEC-2 Water Surface Profiles," Users Manual, September, 1990.
10. U.S. Army Corps of Engineers, "Floodway Determination Using Computer Program HEC-2," Training Document No. 5, January, 1988.

## 6.6 STRUCTURE PLANS AND AS-BUILTS

The references presented in this section are the available plans and as-builts collected to date for structures along Indian Bend Wash.

1. Alpha Engineers Inc. for ADOT, "East Papago Freeway, Indian Bend Wash Bridge", June 11, 1992
2. Coe & Van Loo for COS, "Arizona Canal - IBW Temporary Spillway", July 1975
3. Coe & Van Loo, "Double Tree Ranch Road; Indian Bend Wash Improvements", (also Invergordon Rd.), July 23, 1976
4. Coe & Van Loo, "Osborn Road Paving Project Miller to Hayden", January 1968
5. Coe & Van Loo for COS, "IBW 78th St. Dyke, 2nd St. to Earll Dr., Phase I", 1973
6. COP Engineering Dept., "Cactus Road 36th Street to Tatum Blvd.", October 23, 1974
7. COP Engr. Dept. Storm Drain, "Sweetwater Ave.; IBW Low Flow Channel, Box Culvert & 35th Str. Dip", February 10, 1977
8. COS, "Arizona Canal - IBW; Wasteway Enlargement", October 1973
9. COS, "Chaparral Road; Grading Plan Low Flow Channel North of", No Date
10. COS, "Dike along Miller Rd. in El Dorado Park", October 1977
11. COS, "Flood Proofing Dikes-Low Flow Channel by Villa San Marcos", June 1979
12. COS, "Hayden Road Widen, Indian School to Camelback Road", June 1986
13. COS, "Hayden Rd. - Camelback Rd. to McDonald Dr.", July 13, 1982
14. COS, "IBW Dyke Location at Princess Dr. & COS Property", No Date
15. COS, "Indian Bend Road Drainage Ditch", No Date
16. COS, "Indian School Road Bridge, Inlet-Outlet Grading", File No. MC-024, No Date

17. COS, "McDowell Road Bridge Inlet (at IBW)", October 24, 1974
18. COS, "McDowell Road & IBW Topo.; (Hohokam Plaza Existing Topo.)", January 1977
19. COS, "McDonald Drive; IBW Low Flow Channel South of", January 1975
20. COS, "Scottsdale Road; Box Culvert Inlet Protection West Side Scottsdale Road & McCormick Parkway", January 1982
21. COS, "Thomas Rd. Bridge Inlet-Outlet, Bike Path North of West Abutment", November 1981
22. COS, "Thomas Road Bridge Inlet & Outlet", June 1976
23. COS - USCOE, "IBW Side Channel Systems", January 1982
24. COT, "Curry Rd. Bridge Overlay", Sheet 6/6, March 25, 1981
25. CRSS, Inc. for COT/ADOT, "Indian Bend Wash Drop Structure", November 20, 1990
26. Hoffman-Miller Engr.s, Inc., "Indian School Road Bridge over IBW", September 1977
27. Hoffman-Miller and Brooks & Kelly, "Thomas Road Bridge & Approaches", 1975
28. Hoffman-Miller (bridge) and Brooks & Kelly (approaches), "McDonald Drive Bridge", 10, 1974
29. Hoffman-Miller and Brooks & Kelly, "McDowell Road Bridge", 1973
30. Hoffman-Miller Engineers Inc., "Shea Blvd. Bridge over Indian Bend Wash", June 15, 1976
31. International Engr. Co., Inc. for COS, "Indian Bend Road; Scottsdale Road to Hayden Road", April 1981
32. International Engr. Co., Inc. for COS, "Camelback Road; IBW Low-Flow Channel Bridge", May 1978

33. International Engr. Co., Inc. for COS, "Chaparral Road; IBW Low-Flow Channel Bridge", January 1979
34. Johannessen & Girand, for FCDMC, "McKellips Rd. Bridge Over IBW", 1973??
35. Johannessen & Girand, "Princess Drive Bridge over IBW", December 1974
36. RHP Consulting Engr.s for Town of Paradise Valley, "Golf Dr. at IBW; Low Flow Crossing", Sheets 1 thru 13, June 3, 1981
37. Ritoch-Herz-Powell, "Doubletree Ranch Road Ivergordon Road Paving and Bridge Plans", June 11, 1979
38. USCOE, "IBW Inlet Channel - General Plan", January 24, 1986
39. USCOE, "IBW Inlet Channel - Index to Contract Drawings", January 24, 1986
40. USCOE, "IBW Inlet Channel - Project Location", January 24, 1986
41. USCOE, "IBW Outlet Channel - Index to Contract Drawings", August 31, 1978
42. USCOE, "IBW Outlet Channel - Project Location", June 13, 1986
43. USCOE, "IBW Inlet & Greenbelt Floodway, Plan & Profile - Hydraulic Design", No Date
44. USCOE, "IBW Outlet Channel - Channel Cross Sections No. 2", November 14, 1975
45. USCOE, "IBW Outlet Channel - General Plan No. 1, Station 119+99.17 To 88+00", November 14, 1975
46. USCOE, "IBW Outlet Channel - General Plan No. 2, Station 88+00 to 60+00", November 14, 1975
47. USCOE, "IBW Outlet Channel - General Plan No. 3, Station 60+00 to 34+00", November 14, 1975
48. USCOE, "IBW Outlet Channel - General Plan No. 4, Station 34+00 to 10+00", November 14, 1975
49. USCOE, "IBW Outlet Channel - Low Flow Channel Drop Structures; Plans, Sections and Details", November 14, 1975

50. USCOE, "IBW Outlet Channel - Main Channel Drop Structure; Plan, Sections and Details", November 14, 1975
51. USCOE, "IBW Outlet Channel - McKellips Lake Rec. Area; General Plan & Grading Details", November 14, 1975
52. USCOE, "IBW Outlet Channel - Princess Drive; Plan & Profile, Station 52+00 to 58+50", November 17, 1975
53. USCOE, "IBW Outlet Channel - Princess Drive; Plan & Profile, Station 58+50 to 65+00", November 17, 1975
54. USCOE, "IBW Outlet Channel - Princess Drive; Stone Protection and Misc. Details", November 14, 1975
55. USCOE, "IBW Side Channels System", May 1982
56. USCOE, "IBW Side Channels System - Reach 4", April 1983
57. Van Loo & Patel, "Doubletree Ranch Road from Indian Bend Wash to 60th Str.", April 1985
58. Val-Tec, Inc., "Cactus Road Bridge over IBW", June 1979
59. Willdan Assoc. for Vincent & Evans, Inc. (Private developers), "Lincoln Drive; Paving Improvements for", May 7, 1981

## 6.7 SUMMARY

As the study progresses, additional data will be collected and referenced in the TDN. To date, over 125 documents have been reviewed and referenced for the Indian Bend Wash FIS. A printout of the current document data base is provided in Appendix 6A.

**APPENDIX 6A. DATA COLLECTION REFERENCE DATABASE**

CLIENT: FCDMC  
 PROJECT: INDIAN BEND WASH FLOODPLAIN DELINEATION  
 DETAIL: SOURCE AGENCY/CONTACT CODES FOR DATABASE

DATE: 09-Jun-94  
 SLA NO.: AZ-MC-16  
 FCDMC NO.: 93-5  
 BY: CJP

CODE	ADDRESS	CONTACT	TEL. NO.
PV	TOWN OF PARADISE VALLEY		
a.	ENGINEERING DEPARTMENT 6401 E. LINCOLN DR., 85253	RICHARD EDWARDS	948-7411
COT	CITY OF TEMPE		
a.	PUBLIC WORKS DEPARTMENT P.O. BOX 5002 31 E. FIFTH STREET, 85280	TONY ORTIZ	350-8288
COS	CITY OF SCOTTSDALE		
a.	ENGINEERING RECORDS DEPT. 7447 E. INDIAN SCHOOL, 85251	JOE MALYS	994-7069
b.	ENGINEERING DEPARTMENT 7447 E. INDIAN SCHOOL, 85251	COLLIS LOVELY BILL ERICSON	994-7652
FCDMC	FLOOD CONTROL DIST MARICOPA CNTY. 3335 W. DURANGO STREET PHOENIX, 85009		506-1501 (ALL CONTACTS)
a.	LIBRARY	AFSHIN AHOURAIYAN	
b.	LIBRARY SHELVES & DRAWERS	ANA GORBENKO	
c.	PEDRO CALZA		
d.	CENTRAL FILES (AS-BUILTS)	DANNY	
e.	JIM STEWART		
COP	CITY OF PHOENIX 200 W. WASHINGTON STR., 85003		
a.	ENGR. & ARCHITECTURAL SERVICES DEPT. CENTRAL RECORDS		262-4936
b.	FLOODPLAIN MANAGEMENT	DONNA WEISS/RAY ACUNA	262-4960
ADWR	ARIZONA DEPARTMENT OF WATER RESOURCES		
a.	ENGINEERING DIVISION FLOOD MANAGEMENT 15 SOUTH 15TH AVENUE PHOENIX, 85007	DAVID E. CREIGHTON, JR. TERRY MILLER	542-1541
SLA	SIMONS, LI & ASSOCIATES, INC. 4600 S. MILL AVENUE, SUITE 200 TEMPE, 85282	ROBERT EICHINGER	491-1393
a.	TEMPE LIBRARY		
b.	ROBERT EICHINGER		

CLIENT: FCDMC  
 PROJECT: INDIAN BEND WASH FLOODPLAIN DELIN.  
 DETAIL: REFERENCE SOURCES

DATE: 06-Jun-94  
 JOB NO.: AZ-MC-18

ITEM NO.	ITEM DESCRIPTION	ITEM AUTHOR	ITEM DATE	PROJECT/JOB/REPORT FILE/FEMA CASE NUMBER	ITEM TYPE	SOURCE CODE	SOURCE DOC. CODE
1	ARIZONA CANAL - IBW TEMPORARY SPILLWAY	COE & VAN LOO FOR COS	July 1975	FC-7428-C	PLAN	COSa.	18479
2	ARIZONA CANAL - IBW; WASTEWAY ENLARGEMENT	COS	October 1973	FC-7430-C	PLAN	COSa.	18509
3	BASIN CHARACTERISTICS AND STREAMFLOW STATISTICS IN ARIZONA AS OF 1989	USGS IN COOPERATION WITH ADWR & FCDMC	1991	WRI 91-4041	REPORT	FCDMCb.	
4	CACTUS ROAD 36TH STREET TO TATUM BLVD.	COP ENGR. DEPT.	October 23, 1974	P-73228.00	AS-BUILT	COPa.	42191
5	CACTUS ROAD BRIDGE CROSSING; BACKWATER ANALYSIS INDIAN BEND WASH	VAL-TEC, INC.	July 11, 1978	VT 3-22	REPORT	COPb.	
6	CACTUS ROAD BRIDGE OVER IBW	VAL-TEC, INC.	June 1979	BR-77162	PLAN	COPa.	
7	CAMELBACK GOLF COURSE GOLF CART CROSSINGS; ANALYSIS OF, FLOODPLAIN RPT., IBW...	ERIE & ASSOCIATES, INC.	March 6, 1993	EA #1379.1	REPORT	SLAb.	
8	CAMELBACK ROAD; IBW LOW-FLOW CHANNEL BRIDGE	INTERNATIONAL ENGR. CO., INC. FOR COS	May 1978	B-7706, FC-042	AS-BUILT	COSa.	16373
9	CHAPARRAL ROAD; GRADING PLAN LOW FLOW CHANNEL NORTH OF	COS	No Date	FC-7633, FC-034	PLAN	COSa.	16470
10	CHAPARRAL ROAD; IBW LOW-FLOW CHANNEL BRIDGE	INTERNATIONAL ENGR. CO., INC. FOR COS	January 1979	B-7707, FC-044	AS-BUILT	COSa.	16350
11	CHENEY ESTATES, IBW	LOCKE, W.R. (FEMA) TO MEAD, W.C. (PV)	September 24, 1992	316-ACK	LETTER	ADWRa.	
12	CHENEY ESTATES - REQUEST FOR CLOMR FOR TOWN PV, AZ.	MEAD, W.C. (PV) TO MATTICKS, J.L. (FEMA)	June 3, 1992	92MB102/BILL	LETTER	ADWRa.	
13	COMPILATION OF FLOOD DATA FOR MARICOPA COUNTY, AZ. THROUGH SEPT. 1989	USGS FOR FCDMC	May 1991	NONE	REPORT	FCDMcd.	
14	COP FIS BACKUP: CORRESPONDENCE, HEC-2 DATA, ETC.	VARIOUS	1975-91	NONE	LETTERS/D	FCDMcc.	
15	COS MASTER DRAINAGE PLAN, PIMA/DOUBLETREE AREA	BOYLE ENGINEERING CORP.	November 11, 1989	NONE	REPORT	FCDMca.	
16	COS STORM WATER MASTER PLAN AND MANAGEMENT PROGRAM, BASIN RPT.S, VOL. 1	BOYLE ENGINEERING CORP.	October 1993	NONE	REPORT	FCDMca.	
17	CURRY RD. BRDG. OVERLAY, SHT. 6/8	COT	March 25, 1981	76044	PLAN	COTa.	
18	DESIGN MEMO. NO. 1, GDM - PHASE II, PLAN FORMULATION FOR IBW	USCOE	May 16, 1975		REPORT	FCDMcd.	
19	DESIGN MEMO. NO. 1, GDM - PHASE I, PLAN FORMULATION FOR IBW	USCOE	October 23, 1973		REPORT	SLAa.	
20	DESIGN MEMO. NO. 1, GDM - PHASE I, PLAN FORMULATION FOR IBW, SUPPLEMENTARY REP	USCOE	January 9, 1975		REPORT	FCDMcd.	
21	DESIGN MEMO. NO. 3, FEATURE DESIGN FOR INLET CHANNEL IBW	USCOE	January 31, 1978		REPORT	SLAa.	
22	DESIGN MEMO. NO. 4, FEATURE DESIGN FOR INTERCEPTOR CHANNEL IBW	USCOE	January 1980		REPORT	SLAa.	
23	DIKE ALONG MILLER RD. IN EL DORADO PARK	COS	October 1977	FC-7550	PLAN	COSa.	16547
24	DOUBLE TREE RANCH ROAD; INDIAN BEND WASH IMPROVEMENTS, (ALSO INVERGORDON RD	COE & VAN LOO	July 23, 1976	704-01-05	PLAN	PVa.	
25	DOUBLETREE RANCH ROAD FROM INDIAN BEND WASH TO 60TH ST.	VAN LOO & PATEL	April 1985	VLP NO. 020-07	PLAN	PVa.	
26	DOUBLETREE RANCH ROAD INVERGORDON ROAD PAVING AND BRIDGE PLANS	RITTOCH-HERZ-POWELL	June 11, 1979	79009	PLAN	PVa.	
27	EAST PAPAGO FREEWAY, INDIAN BEND WASH BRIDGE	ALPHA ENGINEERS INC. FOR ADOT	June 11, 1992	RAM-600-5-517	PLAN	SLAa.	
28	FINAL HYDROLOGY REPORT SQUAW PEAK HIGHWAY	BAKER ENGINEERS	November 11, 1988	87-40	REPORT	FCDMca.	
29	FINAL REPORT LATERAL DRAINAGE IBW PROJECT	SULLIVAN & MASSON CONSULTING ENGR.S	March 7, 1978	NONE	REPORT	FCDMcd.	
30	FIRM; MARICOPA COUNTY & INCORPORATED AREAS, PANEL 1680 OF 4350	FEMA	September 29, 1989	04013C1660 E	MAP	FCDMce.	
31	FIRM; MARICOPA COUNTY & INCORPORATED AREAS, PANEL 1680 OF 4350	FEMA	September 29, 1989	04013C1660 E	MAP	FCDMce.	
32	FIRM; MARICOPA COUNTY & INCORPORATED AREAS, PANEL 1685 OF 4350	FEMA	April 15, 1988	04013C1665 D	MAP	SLAa.	
33	FIRM; MARICOPA COUNTY & INCORPORATED AREAS, PANEL 1690 OF 4350	FEMA	April 15, 1988	04013C1690 D	MAP	SLAa.	
34	FIRM; MARICOPA COUNTY & INCORPORATED AREAS, PANEL 1695 OF 4350	FEMA	December 3, 1993	04013C1695 E	MAP	FCDMce.	
35	FIRM; MARICOPA COUNTY & INCORPORATED AREAS, PANEL 2160 OF 4350	FEMA	April 15, 1988	04013C2160 D	MAP	SLAa.	
36	FIRM; MARICOPA COUNTY & INCORPORATED AREAS, PANEL 2170 OF 4350	FEMA	September 4, 1991	04013C2170 E	MAP	FCDMce.	
37	FIS CITY OF PHOENIX, AZ. MARICOPA COUNTY	FEMA	June 1979		REPORT	FCDMcb.	
38	FIS CITY OF PHOENIX, AZ. MARICOPA COUNTY	FEMA	June 1, 1984		REPORT	COPb.	
39	FIS CITY SCOTTSDALE, AZ. MARICOPA COUNTY	FEMA	June 4, 1984		REPORT	SLAa.	
40	FIS MARICOPA COUNTY, AZ & INCORPORATED AREAS, VOL. 1-3 & 5 OF 7	FEMA	September 4, 1991		REPORT	SLAa.	
41	FIS MARICOPA COUNTY, AZ. UNINCORPORATED AREAS	FEMA	May 1979		REPORT	SLAa.	
42	FIS MARICOPA COUNTY, AZ. & INCORPORATED AREAS, VOLUMES 1-3,5 OF 9	FEMA	December 3, 1993		REPORT	SLAa.	
43	FLOOD BNDRY & FLDWAY MAP, WORK SHEETS, IBW MARICOPA COUNTY, FINAL DRAFT	HARRIS-TOUPS ASSOC.	None		MAP	SLAa.	
44	FLOOD BNDRY & FLDWAY MAP, WORK SHEETS, TOWN OF PARADISE VALLEY	PRC ENGINEERING	None		MAP	SLAa.	
45	FLOOD PLAIN INFO. STUDY FOR MARICOPA COUNTY, VOL. I INDIAN BEND WASH	USCOE	June 1964		REPORT	SLAb.	
46	FLOOD PROOFNG DIKES-LOW FLOW CHANNEL BY VILLA SAN MARCOS	COS	June 1979	FC-7859, FC-046	PLAN	COSa.	15810
47	GOLF DR. AT IBW; LOW FLOW CROSSING, SHEETS 1 THRU 13	RHP CONSULTING ENGR.S FOR TOWN OF PV	June 3, 1981	79020	PLAN	PVa.	
48	HADEN ROAD WIDEN, INDIAN SCHOOL TO CAMELBACK ROAD	COS	June 1986	S-5502, P-072	PLAN	COSa.	16023
49	HAYDEN RD. - CAMELBACK RD. TO McDONALD DR.	COS	July 13, 1982	8067, P-045	AS-BUILT	COSa.	16839
50	HISTORY IBW FLOOD CONTROL GREENBELT	MacLEAN, MARJORIE (PUBLIC INFORMATION OFFICE, COS)	June 1980	NONE	REPORT	FCDMcd.	
51	HYDROLOGY FOR TYPE 15 FIS, PHOENIX, ARIZONA	USCOE	April 12, 1973	NONE	REPORT	ADWRa.	
52	IBW 78TH ST. DYKE, 2ND ST. TO EARLL DR., PHASE I	COE & VANLOO FOR COS	1973	FC-7429-C, (FC-19-1)	PLAN	COSa.	16579
53	IBW DYKE LOCATION AT PRINCESS DR. & COS PROPERTY	COS	None	MC-014	PLAN	COSa.	15802
54	IBW INLET CHANNEL - GENERAL PLAN	USCOE	January 24, 1986	248/126 REV. C	AS-BUILT	FCDMcd.	
55	IBW INLET CHANNEL - INDEX TO CONTRACT DRAWINGS	USCOE	January 24, 1986	248/124 REV. A	AS-BUILT	FCDMcd.	

CLIENT: FCDMC  
 PROJECT: INDIAN BEND WASH FLOODPLAIN DELIN.  
 DETAIL: REFERENCE SOURCES

DATE: 06-Jun-94  
 JOB NO.: AZ-MC-16

ITEM NO.	ITEM DESCRIPTION	ITEM AUTHOR	ITEM DATE	PROJECT/JOB/REPORT FILE/FEMA CASE NUMBER	ITEM TYPE	SOURCE CODE	SOURCE DOC. CODE
56	IBW INLET CHANNEL - PROJECT LOCATION	USCOE	January 24, 1986	246/125	AS-BUILT	FCDMCd.	
57	IBW INLET & GREENBELT FLOODWAY, PLAN & PROFILE - HYDRAULIC DESIGN	USCOE	None	FC-018	PLAN	COSa.	16584
58	IBW OUTLET CHANNEL - CHANNEL CROSS SECTIONS NO. 2	USCOE	November 14, 1975	238/125 REV. A	PLAN	SLAa.	74059
59	IBW OUTLET CHANNEL - GENERAL PLAN NO. 1, STATION 119+99.17 TO 88+00	USCOE	November 14, 1975	238/120 REV. A	PLAN	SLAa.	74059
60	IBW OUTLET CHANNEL - GENERAL PLAN NO. 2, STATION 88+00 TO 60+00	USCOE	November 14, 1975	238/121 REV. A	PLAN	SLAa.	74059
61	IBW OUTLET CHANNEL - GENERAL PLAN NO. 3, STATION 60+00 TO 34+00	USCOE	November 14, 1975	238/122 REV. A	PLAN	SLAa.	74059
62	IBW OUTLET CHANNEL - GENERAL PLAN NO. 4, STATION 34+00 TO 10+00	USCOE	November 14, 1975	238/123 REV. A	PLAN	SLAa.	74059
63	IBW OUTLET CHANNEL - INDEX TO CONTRACT DRAWINGS	USCOE	August 31, 1978	238/116 REV. B	AS-BUILT	FCDMCd.	
64	IBW OUTLET CHANNEL - LOW FLOW CHANNEL DROP STRUCTURES; PLANS, SECTIONS AND	USCOE	November 14, 1975	238/127 REV. A	PLAN	SLAa.	74059
65	IBW OUTLET CHANNEL - MAIN CHANNEL DROP STRUCTURE; PLAN, SECTIONS AND DETAILS	USCOE	November 14, 1975	238/126 REV. A	PLAN	SLAa.	74059
66	IBW OUTLET CHANNEL - MCKELLIPS LAKE REC. AREA; GENERAL PLAN & GRADING DETAILS	USCOE	November 14, 1975	238/140 REV. A	PLAN	SLAa.	74059
67	IBW OUTLET CHANNEL - PRINCESS DRIVE; PLAN & PROFILE, STATION 52+00 TO 58+50	USCOE	November 14, 1975	238/171 REV. A	PLAN	SLAa.	74059
68	IBW OUTLET CHANNEL - PRINCESS DRIVE; PLAN & PROFILE, STATION 58+50 TO 65+00	USCOE	November 14, 1975	238/172 REV. A	PLAN	SLAa.	74059
69	IBW OUTLET CHANNEL - PRINCESS DRIVE; STONE PROTECTION AND MISC. DETAILS	USCOE	November 14, 1975	238/129 REV. A	PLAN	SLAa.	74059
70	IBW OUTLET CHANNEL - PROJECT LOCATION	USCOE	June 13, 1986	238/117	AS-BUILT	FCDMCd.	
71	IBW SIDE CHANNEL SYSTEMS	COS - USCOE	January 1982	8501	PLAN	COSa.	
72	IBW SIDE CHANNELS SYSTEM	USCOE	May 1982	241/144-184	PLAN	COSa.	
73	IBW SIDE CHANNELS SYSTEM - REACH 4	USCOE	April 1983	241/185-222	PLAN	COSa.	
74	IBW TOPO. MAPS - COS, 1"=100', C.I.=1'	AERIAL MAPPING CO. INC.	February 23, 1984		MAPS	FCDMCd.	
75	INDIAN BEND ROAD DRAINAGE DITCH	COS	None	7040, M-089	PLAN	COSa.	16275
76	INDIAN BEND ROAD; SCOTTSDALE ROAD TO HAYDEN ROAD	INTERNATIONAL ENGR. CO., INC. FOR COS	April 1981	B-8105	PLAN	COSa.	16109
77	INDIAN BEND WASH DROP STRUCTURE	CRSS, INC. FOR COT/ADOT	November 20, 1990	RAM-800-5-517	PLAN	SLAa.	
78	INDIAN BEND WASH; REPORT ON FLOOD ALLEVATION STUDIES, SCOTTSDALE, ARIZONA	JOHN R. ERICKSON	October 26, 1966		REPORT	COPb.	
79	INDIAN SCHOOL ROAD BRIDGE OVER IBW	HOFFMAN-MILLER ENGRS, INC.	September 1977	B-7501, FC-041	PLAN	COSa.	16398
80	INDIAN SCHOOL ROAD BRIDGE, INLET-OUTLET GRADING, FILE NO. MC-024	COS	None	MC-024	PLAN	COSa.	15804
81	INVERGORDON DR., RECONSTRUCTION OF; CHANNEL, ETC., SHEETS 1 THRU 11				PVA.		
82	INVERGORDON ROAD TO 65TH STREET; HYDRAULIC ANALYSES INDIAN BEND WASH	WATER RESOURCES ASSOCIATES, INC.	April 2, 1980		REPORT	COPb.	
83	INVERGORDON ROAD TO MOUNTAIN VIEW ROAD; HYDRAULIC ANALYSES INDIAN BEND WASH	WATER RESOURCES ASSOCIATES, INC.	July 9, 1980		REPORT	COPb.	
84	LINCOLN DRIVE; PAVING IMPROVEMENTS FOR	WILDAN ASSOC. FOR VINCENT & EVANS, INC. (PRIVATE DE	May 7, 1981	83021	AS-BUILT	COSa.	
85	LOCATION STUDY E. PAPAGO & HOHOKAM FREEWAYS, TOPO. MAPS	JOHN CAROLLO ENGINEERS	1986	AZM-800-5-304, BPM-8	MAP	SLAa.	E5
86	MAPS SHOWING WATER-LEVEL DECLINES, LAND SUBSIDENCE, AND EARTH FISSURES IN SOU	USGS	June 1978	WRI 78-83	MAP	ADWRa.	
87	MASTER DRAINAGE STUDY IBW	YOST AND GARDNER ENGINEERS	April 1975	ST-73140	REPORT	FCDMCd.	
88	MCDONALD DRIVE BRIDGE	HOFFMAN-MILLER (BRIDGE) AND BROOKS & KELLY (APPR	October 1974	B-7311-C	AS-BUILT	COSa.	
89	MCDONALD DRIVE; IBW LOW FLOW CHANNEL SOUTH OF	COS	January 1975	FC-7590-C, FC-012	AS-BUILT	COSa.	16608
90	MCDOWELL ROAD BRIDGE	HOFFMAN-MILLER AND BROOKS & KELLY	1973	B-7312-C	AS-BUILT	COSa.	5857
91	MCDOWELL ROAD BRIDGE INLET (AT IBW)	COS	October 24, 1974	SD-7547, FC-014	PLAN	COSa.	16597
92	MCDOWELL ROAD & IBW TOPO.; (HOHOKAM PLAZA EXISTING TOPO)	COS	January 1977	MC-022	PLAN	COSa.	15803
93	MCKELLIPS RD. BRDG. OVER IBW	JOHANNESSEN & GIRAND, FOR FCDMC	1973??	FCD 73-10	PLAN	COSa.	
94	MCKELLIPS RD. BRDG. OVER IBW SCOTTSDALE, AZ., BRDG. INSP. REPORTS	SVERDRUP, PARCEL & ASSOC.	December 1, 1975		REPORT	COSb.	
95	MCKELLIPS RD.; ADOT STRUCTURAL INSP. & INVENT., IBW BRDG., STRUCTURE #09357	ADOT	Various		DATA	COSb.	
96	MCKELLIPS ROAD OVER IBW, BRDG. INSPECTION RPT.S - FIELD FORMS	ADOT	Various		DATA	COSb.	
97	ORIGIN OF LAND SUBSIDENCE AND EARTH FISSURING, NORTHEAST PHOENIX, ARIZONA	LARSON, M.K. & PEWE, T.L. (BULLETIN ASSOC. ENGR. GEOL	1986	VOL. 23, NO. 2	REPORT	ADWRa.	
98	OSBORN ROAD PAVING PROJECT MILLER TO HAYDEN	COE & VAN LOO	January 1968	P-6316, 90-04-03	AS-BUILT	COSa.	10033
99	OUTER LOOP FREEWAY; CONCEPT DRAINAGE DESIGN, CAP AQUEDUCT TO SALT R. INDIAN RES	SIMONS, LI & ASSOCIATES, INC.	December 15, 1986		REPORT	SLAa.	86.5
100	OUTER LOOP FREEWAY; HYDROLOGY RPT., CAP AQUEDUCT TO SALT R. INDIAN RESERVATION	SIMONS, LI & ASSOCIATES, INC.	August 19, 1986		REPORT	SLAa.	86.4
101	OUTER LOOP HIGHWAY; CONCEPT DRAINAGE DESIGN REPORT, CAMELBACK WALK TO AZ. CAS	SIMONS, LI & ASSOCIATES, INC.	November 1989	PAZ-DC-02.5	REPORT	SLAa.	89.16
102	OUTER LOOP HIGHWAY; CONCEPT DRAINAGE DESIGN RPT., AZ. CANAL TO SALT RIVER REV. 1	SIMONS, LI & ASSOCIATES, INC.	November 1989	PAZ-DC-02.6	REPORT	SLAa.	89.15
103	OUTER LOOP HIGHWAY; CONCEPT DRAINAGE DESIGN, UNIVERSITY DRIVE TO SALT RIVER	SIMONS, LI & ASSOCIATES, INC.	July 1989		REPORT	SLAa.	89.10
104	OUTER LOOP HIGHWAY; FINAL RPT. DRAINAGE ANALYSIS FOR STATE TRUST LANDS, SCOTTSD	SIMONS, LI & ASSOCIATES, INC.	June 1987	PAZ-DC-01	REPORT	SLAa.	87.6
105	OUTER LOOP HIGHWAY; HYDROLOGY REPORT, UNIVERSITY DRIVE TO SALT RIVER	SIMONS, LI & ASSOCIATES, INC.	July 1989	PAZ-DC-02	REPORT	SLAa.	89.9
106	PIMA/DOUBLETREE AREA MASTER DRAINAGE PLAN, ADDENDUM 2 - HAYDEN/SHEA AREA	BOYLE ENGINEERING CORP.	January 25, 1991	NONE	REPORT	FCDMCa.	
107	PRINCESS DRIVE BRIDGE OVER IBW	JOHANNESSEN & GIRAND	December 1974	74059P???	PLAN	SLAa.	D22
108	PVSP DRAINAGE STUDY PHASE III	COLLAR, WILLIAMS & WHITE	July 21, 1978	NONE	REPORT	FCDMCa.	
109	REPORT ON ATTENDANCE AT SUBSIDENCE SYMPOSIUM	COX, G.D. TO BRIGGS, P. & OTHERS	March 9 1982	NONE	LETTER	ADWRa.	
110	REVIEW DOCUMENTS MASTER DRAINAGE STUDY W. SIDE SCOTTSDALE RD. AT McCORMICK P	CREIGHTON, D.E. TO MILLER, TERRI (ADWR MEMO)	January 21 1993	MSS10093	LETTER	ADWRa.	
111	REVIEW DOCUMENTS MASTER DRAINAGE STUDY W. SIDE SCOTTSDALE RD. AT McCORMICK P	CREIGHTON, D.E. TO MILLER, TERRI (ADWR MEMO)	October 30, 1992	MSS10062	LETTER	ADWRa.	

CLIENT: FCDMC  
 PROJECT: INDIAN BEND WASH FLOODPLAIN DELIN.  
 DETAIL: REFERENCE SOURCES

DATE: 06-Jun-94  
 JOB NO.: AZ-MC-18

ITEM NO.	ITEM DESCRIPTION	ITEM AUTHOR	ITEM DATE	PROJECT/JOB/REPORT FILE/FEMA CASE NUMBER	ITEM TYPE	SOURCE CODE	SOURCE DOC. CODE
112	SCOTTSDALE COLOR AERIAL PHOTOS, NO.S 30-36, 1"=760'	?	Sept.&Oct. 1993	269180D/152.48	PHOTO	FCDMCA.	
113	SCOTTSDALE RD.; DRAINAGE REPORT IBW AT	UNKNOWN	May 1985	S-5510	REPORT	FCDMCD.	
114	SCOTTSDALE ROAD; BOX CULVERT INLET PROTECTION WEST SIDE SCOTTSDALE ROAD & Mc	COS	January 1982	8502, M-090	PLAN	COSa.	16272
115	SCOTTSDALE ROAD; WEST SIDE MASTER DRAINAGE STUDY AT MCCORMICK PARKWAY, REVIS	ERIE & ASSOCIATES, INC.	November 1991	EA #1017.6	REPORT	COPb.	
116	SHEA BLVD. AND 52ND STREET FOLDER; LOMRS, GRADING & DRAINAGE PLANS, CORRES.	FEMA, ERIE L., NEIL/McGILL CONSULTANTS	Various			COPb.	
117	SHEA BLVD. BRIDGE OVER INDIAN BEND WASH	HOFFMAN-MILLER ENGINEERS INC.	June 15, 1976	BR 73143.00	AS-BUILT	COPa.	46901
118	SWEETWATER AVE.; IBW LOW FLOW CHANNEL, BOX CULVERT & 35TH STR. DIP	COP ENGR. DEPT. STORM DRAIN	February 10, 1977	ST-71038	AS-BUILT	COPa.	
119	THOMAS RD. BRIDGE INLET-OUTLET, BIKE PATH NORTH OF WEST ABUTMENT	COS	November 1981	SD-7545, FC-024	PLAN	COSa.	16632
120	THOMAS ROAD BRIDGE INLET & OUTLET	COS	June 1978	SD-7545, FC-024	PLAN	COSa.	16525
121	THOMAS ROAD BRIDGE & APPROACHES	HOFFMAN-MILLER AND BROOKS & KELLY	1975	SD-7307-C & P-7549-C	PLAN	COSa.	16484
122	VARIOUS HEC-2 INPUT & OUTPUT DATASETS FOR IBW FIS	D&D	1984		DATA	SLAa.	
123							
124	WATER-LEVEL DECLINES, LAND SUBSIDENCE, & SPECIFIC COMPACTION NEAR APACHE JUN	CARPENTER, MICHAEL C. (USGS)	January 1987	WRI 86-4071	REPORT	FCDMCD.	
125							
126	LOMA, COP LOT 101, ROADRUNNER ESTATES, 12414 NORTH 37TH WAY, PANEL 1680 E	BUCKLEY, M.K. (FEMA) TO ACUNA, R.U. (COP)	February 22, 1994	94-09-125A	LETTER	COPb.	
127	LOMA, COP LOT 102, ROADRUNNER ESTATES, 12408 NORTH 37TH WAY, PANEL 1680 E	JAMIESON, G.H. (FEMA) TO ACUNA, R.U. (COP)	November 15, 1994	94-09-010A	LETTER	COPb.	
128	LOMA, COP LOT 153, PARADISE VALLEY VILLAGE UNIT 3, 3726 EAST ASTER DR., PANEL 1680 E	JAMIESON, G.H. (FEMA) TO ACUNA, R.U. (COP)	July 26, 1994	93-09-619A	LETTER	COPb.	
129	LOMA, COP LOT 33, ROADRUNNER ESTATES, 12213 NORTH 36TH PLACE, PANEL 1680 E	JAMIESON, G.H. (FEMA) TO ACUNA, R.U. (COP)	April 22, 1993	93-09-390A	LETTER	COPb.	
130	LOMA, COP LOT 99, ROADRUNNER ESTATES, 12421 NORTH 37TH WAY, PANEL 1680 E	JAMIESON, G.H. (FEMA) TO ACUNA, R.U. (COP)	December 10, 1992	93-09-109A	LETTER	COPb.	
131	LOMA, COP LOT 14, ROADRUNNER ESTATES, 3715 EAST WETHERSFIELD RD., PANEL 1680 E	ELDRIDGE, J.W. (FEMA) TO KIENOW, P.E. (COP)	October 21, 1991	RIX-218-70-R (REI)	LETTER	COPb.	
132	LOMR, COP LOT 134-152 & 162-164, PARADISE VALLEY VILLAGE UNIT 3, PANEL 1680 E & 1680 E	LINDSEY, C.A. (FEMA) TO JOHNSON, PAUL (MAYOR COP)	October 4, 1991	T-218-65-RS (REI)	LETTER	COPb.	
133	LOMA, COP LOT 95, ROADRUNNER ESTATES, 12414 NORTH 38TH STR., PANEL 1680 E	BUCKLEY, M.K. (FEMA) TO ACUNA, R.U. (COP)	February 17, 1994	94-09-183A	LETTER	COPb.	
134	LOMA, COP LOT 93, ROADRUNNER ESTATES, 12402 NORTH 38TH STR., PANEL 1680 E	JAMIESON, G.H. (FEMA) TO ACUNA, R.U. (COP)	November 16, 1993	94-09-024A	LETTER	COPb.	
135	LOMA, COP LOT 90, ROADRUNNER ESTATES, 3747 EAST BLOOMFIELD RD., PANEL 1680 E	JAMIESON, G.H. (FEMA) TO ACUNA, R.U. (COP)	October 1, 1993	93-09-737A	LETTER	COPb.	
136	LOMA, COP LOT 84, ROADRUNNER ESTATES, 12406 NORTH 38TH STR., PANEL 1680 E	JAMIESON, G.H. (FEMA) TO ACUNA, R.U. (COP)	September 22, 1993	93-09-738A	LETTER	COPb.	
137	LOMR, COP, EAGLE'S EYRE III PHASE 1 & 2, PANEL 1680 D	LINDSEY, C.A. (FEMA) TO BADILLA, F.M. (COP)	March 16, 1989	IA-RA-TO (218-70)	LETTER	COPb.	
138	LOMR, COP, 52ND STR. AND SHEA BLVD., REQUEST FOR ADDITIONAL FEES, PANEL 1680 E	BUCKLEY, M.K. (FEMA) TO ERIE, LEN (ERIE & ASSOC., INC.)	April 8, 1994	93-09-815P	LETTER	COPb.	
139	LOMR, PV, CHENEY ESTATES, ACCEPTANCE OF REQUEST, PANEL 1695 D	LOCKE, W.R. (FEMA) TO MEAD, W.C. (PV)	September 24, 1992	92-09-053R	LETTER	ADWRa.	
140	FIS Town of Paradise Valley, Arizona Maricopa County	FEMA	June 3, 1986		Report	ADWRa.	
141	FIS Town of Paradise Valley, Arizona Maricopa County	FEMA	November, 1979		Report	ADWRa.	
142							
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CLIENT: FCDMC  
 PROJECT: INDIANAZ-MC-16  
 DETAIL: REFERENCE SOURCES

06-Jun-94

ITEM NO.	ORIGINAL ITEM:			APPLICATION	NOTES
	MEDIA	SIZE	NO. PG.S		
1	Vellum	24"x36"	4	Hydraulic	
2	Vellum	24"x36"	16	Hydraulic	
3	Original	8.5"x11"	612	Hydraulic	CALIBRATION
4	Original	8.5"x11"	23	Hydraulic	CULVERT
5	Original	8.5"x11"	21	Hydraulic	LIMITED VALUE HAND CALC.S
6	Fiche	8.5"x11"	40	Hydraulic	
7	Xerox	8.5"x11"	26	Hydraulic	
8	Mylars/Vellu	24"x36"	23	Hydraulic	
9	Vellum	24"x36"	6	Hydraulic	
10	Mylars/Vellu	24"x36"	22	Hydraulic	
11	Xerox	8.5"x12"	1	LOMR	PV
12	Xerox	8.5"x12"	8	LOMR	PV
13	Original	8.5"x11"	250	Hydraulic	CALIBRATION
14	Fiche		LOTS	Floodplain, LOMR	
15	Xerox	8.5"x11"	21	Hydrology	
16	Xerox	8.5"x11"	LOTS	Hydrology	
17	Xerox	8.5"x11"	6	Hydrology	TOP ROAD ELV.S
18	Xerox	8.5"x11"	LOTS	Hydraulic, Hydrology	
19	Xerox	8.5"x11"	53	Hydraulic, Hydrology	
20	Xerox	8.5"x11"	15	Hydraulic, Hydrology	
21	Xerox	8.5"x11"		Hydraulic	
22	Xerox	8.5"x11"		Hydraulic	
23	Vellum	24"x36"	25A	Hydraulic	
24	Fiche	4"x6"	10	Hydraulic	
25	Fiche	4"x6"	10	Hydraulic	
26	Fiche	4"x6"	10	Hydraulic	
27	Original	11"x17"	184	Hydraulic	BRIDGE
28	Xerox	8.5"x11"	27	Hydrology	
29	Xerox	8.5"x11"	11	Hydrology	
30		26"x26"	1	Floodplain	
31		26"x26"	1	Floodplain	
32		26"x26"	1	Floodplain	
33		26"x26"	1	Floodplain	
34		26"x26"	1	Floodplain	
35		26"x26"	1	Floodplain	
36		26"x26"	1	Floodplain	
37	Original	8.5"x11"	33	Floodplain	
38	Original	8.5"x11"	42	Floodplain	
39	Xerox	8.5"x11"	25	Floodplain	
40	Xerox	8.5"x11"	VARIOUS	Floodplain	
41	Original	8.5"x11"		Floodplain	
42	Original	8.5"x11"	LOTS	Floodplain	
43	Vellum	36"x48"	1	Floodplain	
44	Vellum	36"x48"	1	Floodplain	
45	Xerox	8.5"x11"	21	History	FLOODPLAIN
46	Vellum	24"x36"	4	Hydraulic	
47	Fiche	4"x6"	4	Hydraulic	
48	Mylar	24"x36"	10	Hydraulic	
49	Vellum	24"x36"	56	Hydraulic	TOP ROAD ELEV.S
50	Xerox	8.5"x11"	50	History	
51	Xerox	8.5"x12"	60	Hydrology	
52	Vellum	24"x36"	5	Hydraulic	
53	Vellum	24"x36"	1	Hydraulic	
54	Mylar	30"x40"	69	Hydraulic	
55	Mylar	30"x40"	69	Hydraulic	

CLIENT: FCDMC  
 PROJECT: INDIANAZ-MC-16  
 DETAIL: REFERENCE SOURCES

06-Jun-94

ITEM NO.	ORIGINAL ITEM:			APPLICATION	NOTES
	MEDIA	SIZE	NO. PG.S		
56	Mylar	30"x40"	69	Hydraulic	DESIGN MEMO 1, GDM PHASE II
57	Vellum	36"x48"	5	Hydraulic	
58			C-22	Hydraulic	ORIG. SOURCE?? POSS. COT OR F
59			C-22	Hydraulic	
60			C-22	Hydraulic	
61			C-22	Hydraulic	
62			C-22	Hydraulic	
63	Mylar	30"x40"	2	Hydraulic	
64			C-22	Hydraulic	
65			C-22	Hydraulic	
66			R-3	Hydraulic	
67			P-12	Hydraulic	
68			P-12	Hydraulic	
69			C-22	Hydraulic	
70	Mylar	30"x40"	2	Hydraulic	DROP STRUCTURE
71	Xerox	36"x42"	10	Hydraulic, Hydrology	
72	Xerox	36"x42"	41	Hydraulic, Hydrology	
73	Xerox	36"x42"	38	Hydraulic, Hydrology	
74	Mylar	36"x36"	9	History, Hydraulic	
75	Vellum	24"x36"	2	Hydraulic	
76	Mylar	24"x36"	30	Hydraulic	
77	Original	11"x17"	184	Hydraulic	
78	Original	8.5"x11"	19	History	
79	Vellum	24"x36"	26	Hydraulic	
80	Xerox	18"x24"	1	Hydraulic	NOT COPIED, SIDE CHANNELS
81	Fiche	4"x6"	3	Hydraulic	
82	Original	8.5"x11"	28	Hydraulic	
83	Original	8.5"x11"	31	Hydraulic	
84	Fiche	3"x6"	3	Hydraulic	
85			14A	History, Hydraulic	
86	Xerox	8.5"x12"	2	Subsidence	
87	Xerox	8.5"x11"	67	Hydrology	
88	Fiche	3"x6"	8	Hydraulic	
89	Vellum	24"x36"	4	Hydraulic	
90	Xerox	18"x24"	14	Hydraulic	
91	Vellum	24"x36"	10	Hydraulic	
92	Vellum	36"x48"	1	Hydraulic	
93	Xerox	18"x24"	9	Hydraulic	
94	Xerox	8.5"x11"	25	Hydraulic	SAMPLE OF AVAILABLE INFO. SAMPLE OF AVAILABLE INFO. SAMPLE OF AVAILABLE INFO.
95	Gr/Wh, Com	8.5"x14"	6	Hydraulic	
96	Xerox	8.5"x11"	14	Hydraulic	
97	Xerox	8.5"x11"	27	Subsidence	
98	Waxeyes	24"x36"	5	Hydraulic	
99	Original	8.5"x11"	36	Hydrology	
100	Original	8.5"x11"	34	Hydrology	
101	Original	8.5"x11"	26	Hydrology	
102	Original	8.5"x11"	44	Hydrology	
103	Original	8.5"x11"	29	Hydrology	
104	Original	8.5"x11"	49	Hydrology	
105	Original	8.5"x11"	36	Hydrology	
106	Xerox	8.5"x11"	11	Hydrology	ORIG. SOURCE?? POSS. COT OR F
107			9	Hydraulic	
108	Xerox	8.5"x11"	226	Hydrology	PV PV
109	Xerox	8.5"x12"	4	Subsidence	
110	Xerox	8.5"x12"	1	LOMR	
111	Xerox	8.5"x12"	3	LOMR, Subsidence	

CLIENT: FCDMC  
 PROJECT: INDIANAZ-MC-16  
 DETAIL: REFERENCE SOURCES

06-Jun-94

ITEM NO.	ORIGINAL ITEM:			APPLICATION	NOTES
	MEDIA	SIZE	NO. PG.S		
112	Photo	10"x10"	54	History, Hydrology	
113	Xerox	8.5"x11"	8	Hydraulic	
114	Mylar	24"x36"	2	Hydraulic	
115	Original	8.5"x11"	17	Hydraulic, Hydrology, Floodplain	
116			LOMR, Hydraulic		COP
117	Original		20	Hydraulic	BRIDGE
118	Fiche		17	Hydraulic	CULVERT
119	Vellum	24"x36"	1	Hydraulic	CHANGE ORDER 3, ENCLOSURE
120	Vellum	24"x36"	20	Hydraulic	BRIDGE
121	Xerox	18"x24"	23 (26)	Hydraulic	BRIDGE
122	Gr/Wh, Com	8.5"x14"	VARIOUS	Hydraulic	
123					
124	Xerox	8.5"x11"	21	Subsidence	
125					
126	Original	8.5"x11"	2	LOMA	COP
127	Original	8.5"x11"	2	LOMA	COP
128	Original	8.5"x11"	2	LOMA	COP
129	Original	8.5"x11"	2	LOMA	COP
130	Original	8.5"x11"	2	LOMA	COP
131	Original	8.5"x11"	2	LOMA	COP
132	Original	8.5"x11"	2	LOMR	COP
133	Original	8.5"x11"	2	LOMA	COP
134	Original	8.5"x11"	2	LOMA	COP
135	Original	8.5"x11"	2	LOMA	COP
136	Original	8.5"x11"	2	LOMA	COP
137	Original	8.5"x11"	2	LOMR	COP
138	Original	8.5"x11"	1	LOMR	COP
139	Original	8.5"x11"	1	LOMR	PV
140	Original	8.5"x11"	19	Floodplain	PV
141	Original	8.5"x11"	17	Floodplain	
142					
143					
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