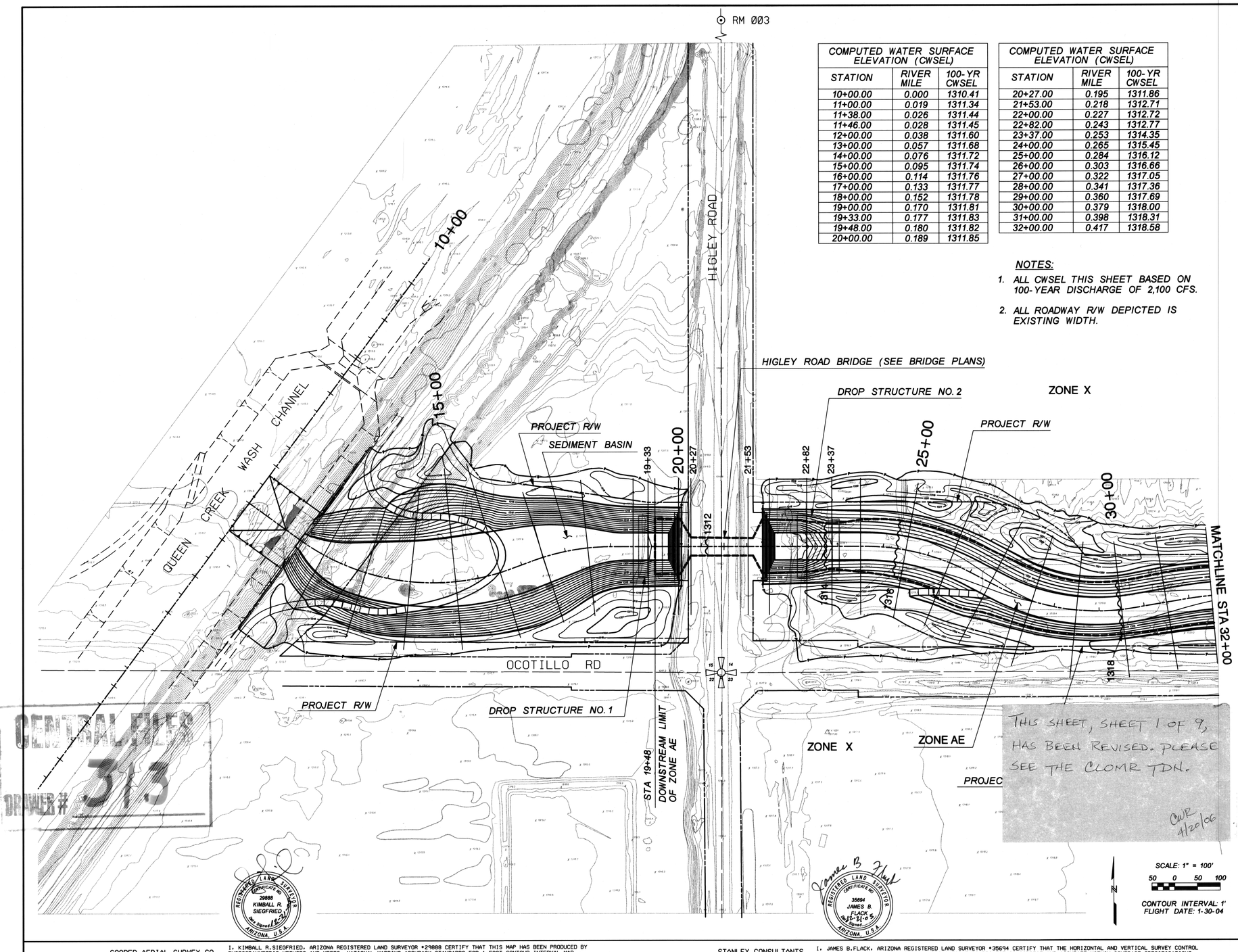


COMPUTED WATER SURFACE ELEVATION (CWSEL)		
STATION	RIVER MILE	100-YR CWSEL
10+00.00	0.000	1310.41
11+00.00	0.019	1311.34
11+38.00	0.026	1311.44
11+46.00	0.028	1311.45
12+00.00	0.038	1311.60
13+00.00	0.057	1311.68
14+00.00	0.076	1311.72
15+00.00	0.095	1311.74
16+00.00	0.114	1311.76
17+00.00	0.133	1311.77
18+00.00	0.152	1311.78
19+00.00	0.170	1311.81
19+33.00	0.177	1311.83
19+48.00	0.180	1311.82
20+00.00	0.189	1311.85

COMPUTED WATER SURFACE ELEVATION (CWSEL)		
STATION	RIVER MILE	100-YR CWSEL
20+27.00	0.195	1311.86
21+53.00	0.218	1312.71
22+00.00	0.227	1312.72
22+82.00	0.243	1312.77
23+37.00	0.253	1314.35
24+00.00	0.265	1315.45
25+00.00	0.284	1316.12
26+00.00	0.303	1316.66
27+00.00	0.322	1317.05
28+00.00	0.341	1317.36
29+00.00	0.360	1317.69
30+00.00	0.379	1318.00
31+00.00	0.398	1318.31
32+00.00	0.417	1318.58

NOTES:

1. ALL CWSEL THIS SHEET BASED ON 100-YEAR DISCHARGE OF 2,100 CFS.
2. ALL ROADWAY R/W DEPICTED IS EXISTING WIDTH.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IN COOPERATION WITH
THE TOWN OF GILBERT AND
THE TOWN OF QUEEN CREEK

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS RD
FCD CONSTRUCTION CONTRACT 2004C074

CLOMR

LEGEND

POST PROJECT 100-YR FLOODPLAIN BOUNDARY

HYDRAULIC BASE LINE WITH RIVER STATIONING (25+00, 30+00)

CROSS SECTION

ELEVATION REFERENCE MARK — RM 001

BASE FLOOD ELEVATION — 1350

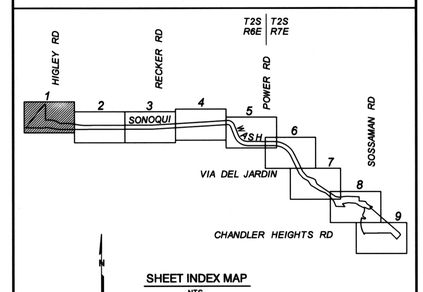
FLOOD INSURANCE ZONE — ZONE AE

SECTION CORNER — 15 14 22 23

ELEVATION REFERENCE MARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
RM 001	1354.4703	BCHH AT CORNER OF OCOTILLO RD & POWER RD
RM 002	1370.6092	BC AT CORNER OF SOSSAMAN RD & CHANDLER HEIGHTS RD
RM 003	1328.2496	FD BC HIGLEY RD 1/2 MI NORTH OF OCOTILLO RD



SHEET INDEX MAP
NTS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
ENGINEERING DIVISION

TOWN OF QUEEN CREEK — TOWN OF GILBERT

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS ROAD
CLOMR

	BY	DATE
DESIGNED	NDV	10/05
DRAWN	LRj	10/05
CHECKED	GSB	10/05

Registered Professional Engineer (Civil) CERTIFICATE NO. 26837 G. SCOTT BUCHANAN ARIZONA, U.S.A. Date Signed 12-7-05

Stanley Consultants INC. 2929 East Camelback Road, Suite 130, Phoenix, Arizona 85016-4425 www.stanleygroup.com (602) 912-6000

EXHIBIT A | SONOQUI WASH CHANNELIZATION CLOMR | SHEET 1 OF 9

COOPER AERIAL SURVEY CO. I, KIMBALL R.SIEGFRIED, ARIZONA REGISTERED LAND SURVEYOR #29888 CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR 1 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=40'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY STANLEY CONSULTANTS.

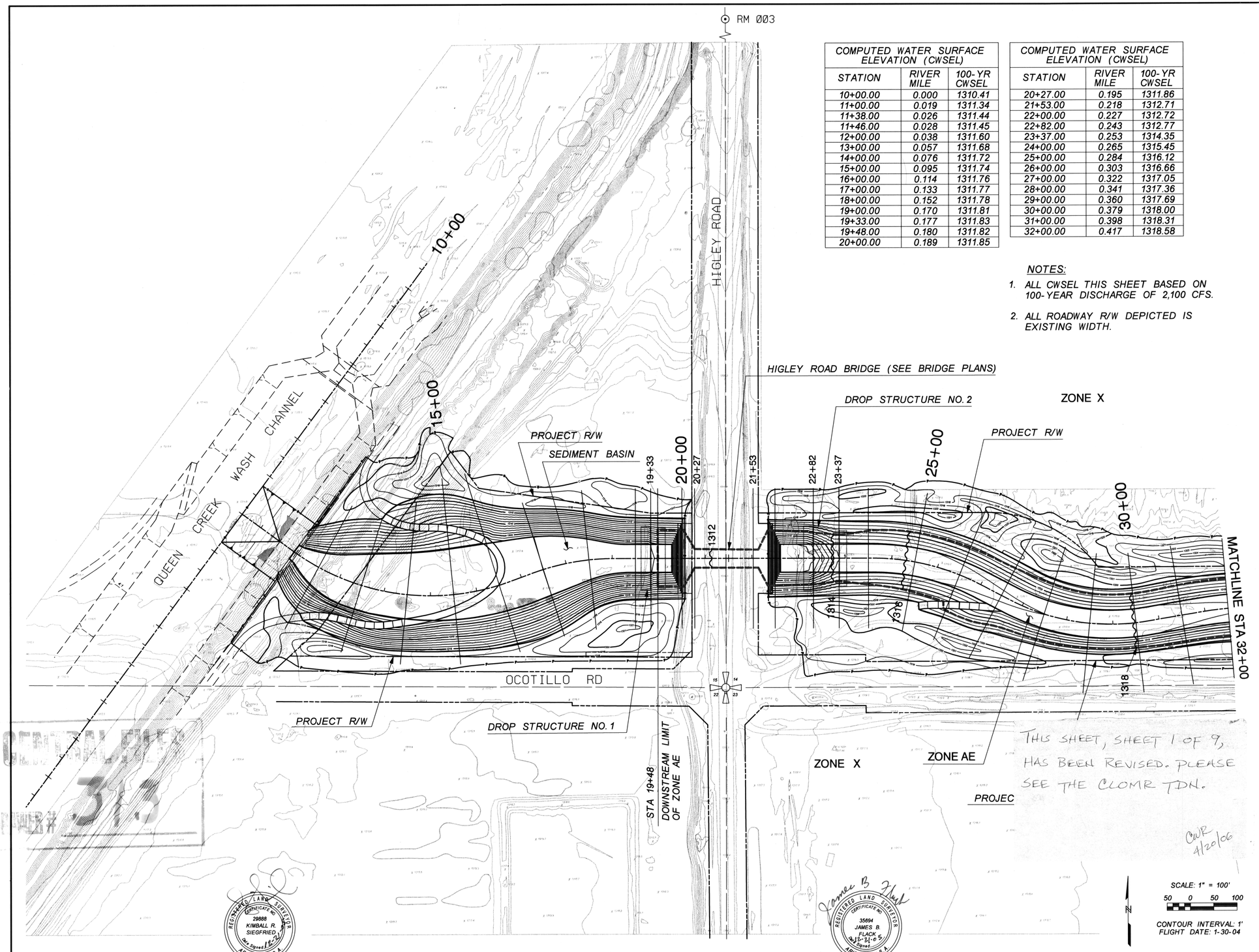
STANLEY CONSULTANTS I, JAMES B.FLACK, ARIZONA REGISTERED LAND SURVEYOR #35694 CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

Q:\169551\CADD\DGN\CHANNEL\CLOMRsh\sh1.dgn

CENTRAL FILES DRAWER # 313

Sonoqui Wash Channelization, Chandler Heights Road to Queen Creek Wash
Conditional Letter of Map Revision (CLOMR)

FCD 2002C037 Drawer 313



COMPUTED WATER SURFACE ELEVATION (CWSEL)		
STATION	RIVER MILE	100-YR CWSEL
10+00.00	0.000	1310.41
11+00.00	0.019	1311.34
11+38.00	0.026	1311.44
11+46.00	0.028	1311.45
12+00.00	0.038	1311.60
13+00.00	0.057	1311.68
14+00.00	0.076	1311.72
15+00.00	0.095	1311.74
16+00.00	0.114	1311.76
17+00.00	0.133	1311.77
18+00.00	0.152	1311.78
19+00.00	0.170	1311.81
19+33.00	0.177	1311.83
19+48.00	0.180	1311.82
20+00.00	0.189	1311.85

COMPUTED WATER SURFACE ELEVATION (CWSEL)		
STATION	RIVER MILE	100-YR CWSEL
20+27.00	0.195	1311.86
21+53.00	0.218	1312.71
22+00.00	0.227	1312.72
22+82.00	0.243	1312.77
23+37.00	0.253	1314.35
24+00.00	0.265	1315.45
25+00.00	0.284	1316.12
26+00.00	0.303	1316.66
27+00.00	0.322	1317.05
28+00.00	0.341	1317.36
29+00.00	0.360	1317.69
30+00.00	0.379	1318.00
31+00.00	0.398	1318.31
32+00.00	0.417	1318.58

NOTES:

1. ALL CWSEL THIS SHEET BASED ON 100-YEAR DISCHARGE OF 2,100 CFS.
2. ALL ROADWAY R/W DEPICTED IS EXISTING WIDTH.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IN COOPERATION WITH
THE TOWN OF GILBERT AND
THE TOWN OF QUEEN CREEK

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS RD
FCD CONSTRUCTION CONTRACT 2004C074

CLOMR

LEGEND

POST PROJECT 100-YR FLOODPLAIN BOUNDARY

HYDRAULIC BASE LINE WITH RIVER STATIONING (25+00, 30+00)

CROSS SECTION

ELEVATION REFERENCE MARK — RM 001

BASE FLOOD ELEVATION — 1350

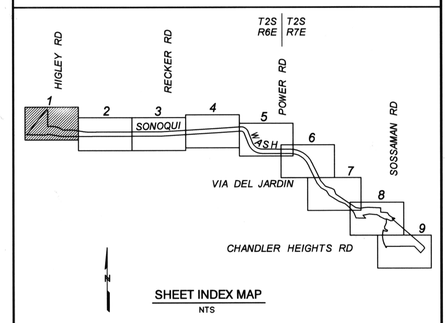
FLOOD INSURANCE ZONE — ZONE AE

SECTION CORNER — 15 14 22 23

ELEVATION REFERENCE MARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
RM 001	1354.4703	BCHH AT CORNER OF OCOTILLO RD & POWER RD
RM 002	1370.6092	BC AT CORNER OF SOSSAMAN RD & CHANDLER HEIGHTS RD
RM 003	1328.2496	FD BC HIGLEY RD 1/2 MI NORTH OF OCOTILLO RD



SHEET INDEX MAP
NTS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
ENGINEERING DIVISION

TOWN OF QUEEN CREEK — TOWN OF GILBERT

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS ROAD
CLOMR

	BY	DATE
DESIGNED	NDV	10/05
DRAWN	LRj	10/05
CHECKED	GSB	10/05

Registered Professional Engineer (Civil) CERTIFICATE NO. 26837 G. SCOTT BUCHANAN ARIZONA, U.S.A. Date Signed 12-21-06

Stanley Consultants INC.
2929 East Camelback Road, Suite 130, Phoenix, Arizona 85016-4425
www.stanleygroup.com (602) 912-9500

EXHIBIT A | SONOQUI WASH CHANNELIZATION CLOMR | SHEET 1 OF 9

COOPER AERIAL SURVEY CO. I. KIMBALL R.SIEGFRIED. ARIZONA REGISTERED LAND SURVEYOR #29888 CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR 1 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=40'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY STANLEY CONSULTANTS.

STANLEY CONSULTANTS I. JAMES B.FLACK. ARIZONA REGISTERED LAND SURVEYOR #35694 CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

Q:\16955\CADD\DGN\CHANNEL\CLOMRexhibit1.dgn

Sonoqui Wash Channelization, Chandler Heights Road to Queen Creek Wash
Conditional Letter of Map Revision (CLOMR)

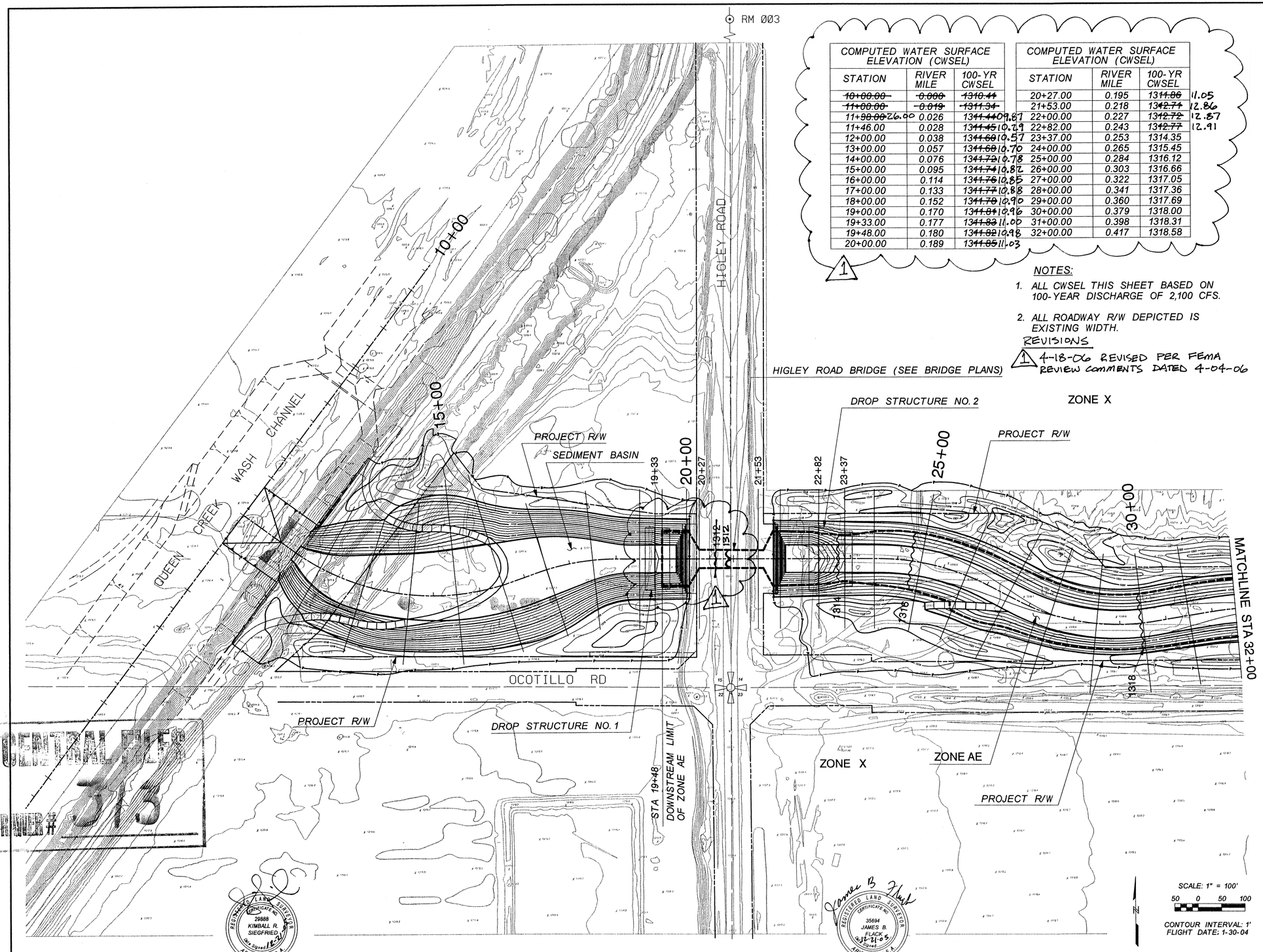
FCD 2002C037 Drawer 313

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IN COOPERATION WITH
THE TOWN OF GILBERT AND
THE TOWN OF QUEEN CREEK

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS RD
FCD CONSTRUCTION CONTRACT 2004C074

CLOMR



COMPUTED WATER SURFACE ELEVATION (CWSEL)			COMPUTED WATER SURFACE ELEVATION (CWSEL)		
STATION	RIVER MILE	100-YR CWSEL	STATION	RIVER MILE	100-YR CWSEL
~~10+00.00~~	~~0.000~~	~~1310.44~~	20+27.00	0.195	131~~1.86~~ 11.05
~~11+00.00~~	~~0.019~~	~~1311.34~~	21+53.00	0.218	13~~42.74~~ 12.86
11+~~98.00~~26.00	0.026	13~~41.44~~09.87	22+00.00	0.227	13~~42.72~~ 12.87
11+46.00	0.028	13~~41.45~~10.29	22+82.00	0.243	13~~42.77~~ 12.91
12+00.00	0.038	13~~41.60~~10.57	23+37.00	0.253	1314.35
13+00.00	0.057	13~~41.60~~10.70	24+00.00	0.265	1315.45
14+00.00	0.076	13~~41.72~~10.78	25+00.00	0.284	1316.12
15+00.00	0.095	13~~41.74~~10.82	26+00.00	0.303	1316.66
16+00.00	0.114	13~~41.76~~10.85	27+00.00	0.322	1317.05
17+00.00	0.133	13~~41.77~~10.88	28+00.00	0.341	1317.36
18+00.00	0.152	13~~41.70~~10.90	29+00.00	0.360	1317.69
19+00.00	0.170	13~~41.81~~10.96	30+00.00	0.379	1318.00
19+33.00	0.177	13~~41.83~~11.00	31+00.00	0.398	1318.31
19+48.00	0.180	13~~41.82~~10.98	32+00.00	0.417	1318.58
20+00.00	0.189	13~~41.85~~11.03			

1

NOTES:

1. ALL CWSEL THIS SHEET BASED ON 100-YEAR DISCHARGE OF 2,100 CFS.
2. ALL ROADWAY R/W DEPICTED IS EXISTING WIDTH.

REVISIONS

1 4-18-06 REVISED PER FEMA REVIEW COMMENTS DATED 4-04-06

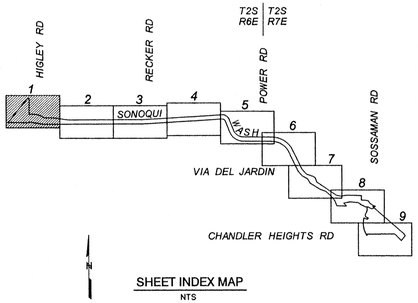
LEGEND

POST PROJECT 100-YR FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER STATIONING	25+00 30+00
CROSS SECTION	
ELEVATION REFERENCE MARK	RM 001
BASE FLOOD ELEVATION	1350
FLOOD INSURANCE ZONE	ZONE AE
SECTION CORNER	15 14 22 23

ELEVATION REFERENCE MARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
RM 001	1354.4703	BCHH AT CORNER OF OCOTILLO RD & POWER RD
RM 002	1370.6092	BC AT CORNER OF SOSSAMAN RD & CHANDLER HEIGHTS RD
RM 003	1328.2496	FD BC HIGLEY RD 1/2 MI NORTH OF OCOTILLO RD



SHEET INDEX MAP
NTS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
ENGINEERING DIVISION

TOWN OF QUEEN CREEK — TOWN OF GILBERT

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS ROAD
CLOMR

	BY	DATE
DESIGNED	NDV	10/05
DRAWN	LRj	10/05
CHECKED	GSB	10/05

Registered Professional Engineer (Civil) CERTIFICATE NO. 26837 G. SCOTT BUCHANAN Date Signed 12-21-05 ARIZONA, U.S.A.

Stanley Consultants INC. 2929 East Camelback Road, Suite 130, Phoenix, Arizona 85016-4425 www.stanleygroup.com (602) 912-6500

EXHIBIT A | SONOQUI WASH CHANNELIZATION CLOMR | SHEET 1 OF 9

COOPER AERIAL SURVEY CO. I, KIMBALL R.SIEGFRIED, ARIZONA REGISTERED LAND SURVEYOR #29888 CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR 1 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=40'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY STANLEY CONSULTANTS.

Registered Land Surveyor CERTIFICATE NO. 29888 KIMBALL R. SIEGFRIED Date Signed 12-22-05 ARIZONA, U.S.A.

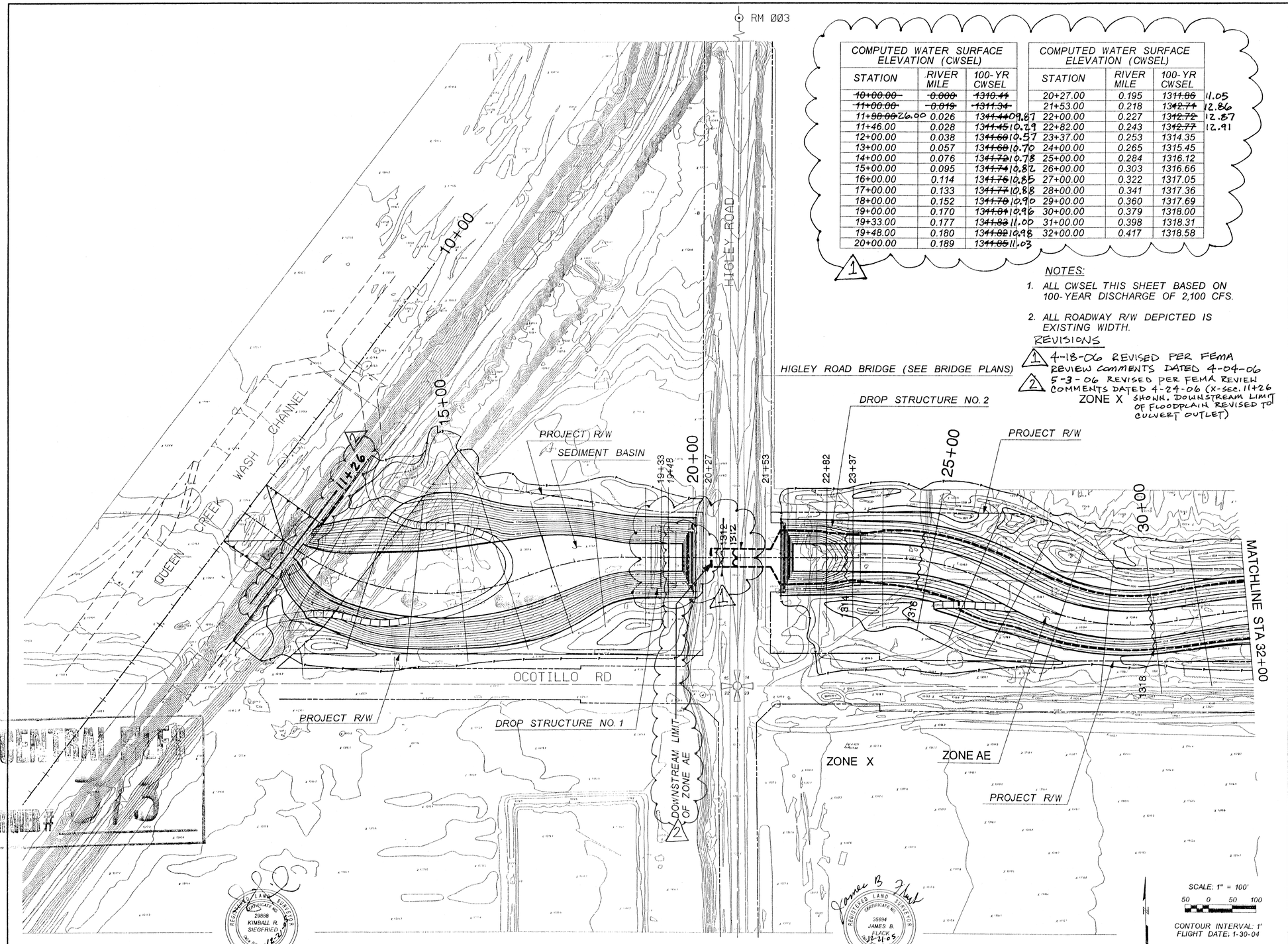
STANLEY CONSULTANTS I, JAMES B.FLACK, ARIZONA REGISTERED LAND SURVEYOR #35694 CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

Registered Land Surveyor CERTIFICATE NO. 35694 JAMES B. FLACK Date Signed 12-21-05 ARIZONA, U.S.A.

Q:\169551\CADD\DGN\CHANNEL\CLOMRexhibit1.dgn

REVISED 4-18-06

CENTRAL FILES DRAWER # 513



COMPUTED WATER SURFACE ELEVATION (CWSEL)			COMPUTED WATER SURFACE ELEVATION (CWSEL)		
STATION	RIVER MILE	100-YR CWSEL	STATION	RIVER MILE	100-YR CWSEL
~~10+00.00~~	~~0.000~~	~~1310.44~~	20+27.00	0.195	131~~1.86~~ 11.05
~~11+00.00~~	~~0.019~~	~~1311.34~~	21+53.00	0.218	13~~12.74~~ 12.86
11+~~98.00~~26.00	0.026	13~~11.44~~09.87	22+00.00	0.227	13~~12.72~~ 12.87
11+46.00	0.028	13~~11.45~~10.29	22+82.00	0.243	13~~12.77~~ 12.91
12+00.00	0.038	13~~11.60~~10.57	23+37.00	0.253	1314.35
13+00.00	0.057	13~~11.60~~10.70	24+00.00	0.265	1315.45
14+00.00	0.076	13~~11.72~~10.78	25+00.00	0.284	1316.12
15+00.00	0.095	13~~11.74~~10.82	26+00.00	0.303	1316.66
16+00.00	0.114	13~~11.76~~10.85	27+00.00	0.322	1317.05
17+00.00	0.133	13~~11.77~~10.88	28+00.00	0.341	1317.36
18+00.00	0.152	13~~11.79~~10.90	29+00.00	0.360	1317.69
19+00.00	0.170	13~~11.84~~10.96	30+00.00	0.379	1318.00
19+33.00	0.177	13~~11.83~~11.00	31+00.00	0.398	1318.31
19+48.00	0.180	13~~11.82~~10.98	32+00.00	0.417	1318.58
20+00.00	0.189	13~~11.85~~11.03			

1

NOTES:

1. ALL CWSEL THIS SHEET BASED ON 100-YEAR DISCHARGE OF 2,100 CFS.
2. ALL ROADWAY R/W DEPICTED IS EXISTING WIDTH.

REVISIONS

1. 4-18-06 REVISED PER FEMA REVIEW COMMENTS DATED 4-04-06
2. 5-3-06 REVISED PER FEMA REVIEW COMMENTS DATED 4-24-06 (X-sec. 11+26 SHOWN. DOWNSTREAM LIMIT OF FLOODPLAIN REVISED TO CULVERT OUTLET)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IN COOPERATION WITH
THE TOWN OF GILBERT AND
THE TOWN OF QUEEN CREEK

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS RD
FCD CONSTRUCTION CONTRACT 2004C074

CLOMR

LEGEND

POST PROJECT 100-YR FLOODPLAIN BOUNDARY

HYDRAULIC BASE LINE WITH RIVER STATIONING (25+00, 30+00)

CROSS SECTION

ELEVATION REFERENCE MARK — RM 001

BASE FLOOD ELEVATION — 1350

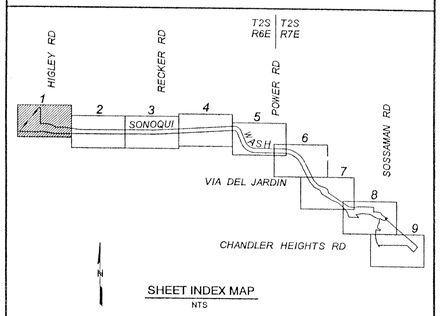
FLOOD INSURANCE ZONE — ZONE AE

SECTION CORNER — 15 14 22 23

ELEVATION REFERENCE MARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
RM 001	1354.4703	BCHH AT CORNER OF OCOTILLO RD & POWER RD
RM 002	1370.6092	BC AT CORNER OF SOSSAMAN RD & CHANDLER HEIGHTS RD
RM 003	1328.2496	FD BC HIGLEY RD 1/2 MI NORTH OF OCOTILLO RD



SHEET INDEX MAP
NTS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
ENGINEERING DIVISION

TOWN OF QUEEN CREEK — TOWN OF GILBERT

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS ROAD
CLOMR

	BY	DATE
DESIGNED	NDV	10/05
DRAWN	LRj	10/05
CHECKED	GSB	10/05

REGISTERED PROFESSIONAL ENGINEER (CIVIL) 26837 G. SCOTT BUCHANAN ARIZONA, U.S.A. Date Signed 12-19-05

Stanley Consultants INC. 2929 East Camelback Road, Suite 130, Phoenix, Arizona 85016-4425 www.stanleygroup.com (602) 912-6000

EXHIBIT A	SONOQUI WASH CHANNELIZATION CLOMR	SHEET 1 OF 9

COOPER AERIAL SURVEY CO. I, KIMBALL R.SIEGFRIED, ARIZONA REGISTERED LAND SURVEYOR #29888 CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR 1 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=40'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY STANLEY CONSULTANTS.

REGISTERED LAND SURVEYOR CERTIFICATE NO. 29888 KIMBALL R. SIEGFRIED Date Signed 12-21-05 ARIZONA, U.S.A.

STANLEY CONSULTANTS I, JAMES B.FLACK, ARIZONA REGISTERED LAND SURVEYOR #35694 CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

REGISTERED LAND SURVEYOR CERTIFICATE NO. 35694 JAMES B. FLACK Date Signed 12-21-05 ARIZONA, U.S.A.

Q:\16955\CAD\DGN\CHANNEL\CLOMRexhibit1.dgn

Vash Channelization, Chandler
oad to Queen Creek Wash
al Letter of Map Revision (CLOMR)

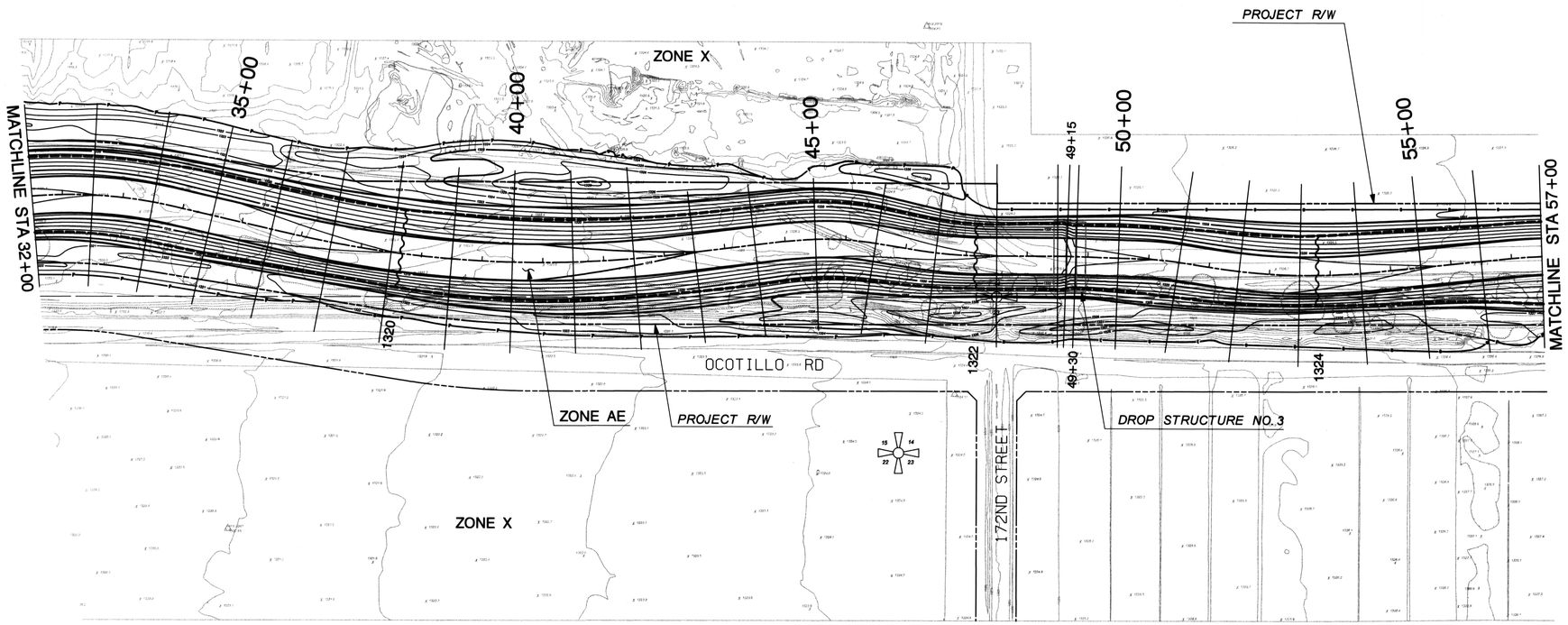
REVISED 4-18-06
REVISED 5-3-06

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IN COOPERATION WITH
THE TOWN OF GILBERT AND
THE TOWN OF QUEEN CREEK

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS RD
FCD CONSTRUCTION CONTRACT 2004C074

CLOMR



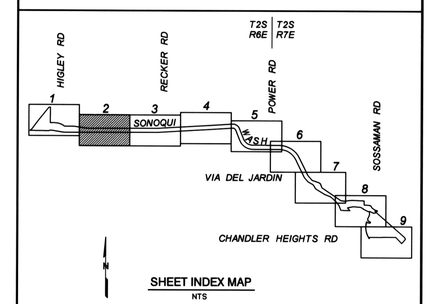
LEGEND

POST PROJECT 100-YR FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER STATIONING	25+00 30+00
CROSS SECTION	
ELEVATION REFERENCE MARK	RM 001
BASE FLOOD ELEVATION	1350
FLOOD INSURANCE ZONE	ZONE AE
SECTION CORNER	15 14 22 23

ELEVATION REFERENCE MARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
RM 001	1354.4703	BCHH AT CORNER OF OCOTILLO RD & POWER RD
RM 002	1370.6092	BC AT CORNER OF SOSSAMAN RD & CHANDLER HEIGHTS RD
RM 003	1328.2496	FD BC HIGLEY RD 1/2 MI NORTH OF OCOTILLO RD



SHEET INDEX MAP
NTS

COMPUTED WATER SURFACE ELEVATION (CWSEL)		
STATION	RIVER MILE	100-YR CWSEL
32+00.00	0.417	1318.58
33+00.00	0.436	1318.84
34+00.00	0.455	1319.08
35+00.00	0.473	1319.31
36+00.00	0.492	1319.52
37+00.00	0.511	1319.74
38+00.00	0.530	1319.97
39+00.00	0.549	1320.19
40+00.00	0.568	1320.40
41+00.00	0.587	1320.61
42+00.00	0.606	1320.81
43+00.00	0.625	1321.02
44+00.00	0.644	1321.23
45+00.00	0.663	1321.43

COMPUTED WATER SURFACE ELEVATION (CWSEL)		
STATION	RIVER MILE	100-YR CWSEL
46+00.00	0.682	1321.64
47+00.00	0.701	1321.85
48+00.00	0.720	1322.07
49+00.00	0.739	1322.27
49+15.00	0.741	1322.28
49+30.00	0.744	1322.06
50+00.00	0.758	1322.46
51+00.00	0.777	1323.01
52+00.00	0.795	1323.50
53+00.00	0.814	1323.89
54+00.00	0.833	1324.25
55+00.00	0.852	1324.57
56+00.00	0.871	1324.87
57+00.00	0.890	1325.15

NOTES:

1. ALL CWSEL THIS SHEET BASED ON 100-YEAR DISCHARGE OF 2,100 CFS.
2. ALL ROADWAY R/W DEPICTED IS EXISTING WIDTH.

SCALE: 1" = 100'
50 0 50 100
N
CONTOUR INTERVAL: 1'
FLIGHT DATE: 1-30-04

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
ENGINEERING DIVISION

TOWN OF QUEEN CREEK
TOWN OF GILBERT

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS ROAD
CLOMR

	BY	DATE
DESIGNED	NDV	10/05
DRAWN	LRj	10/05
CHECKED	GSB	10/05

Registered Professional Engineer (Civil) CERTIFICATE NO. 26837 G. SCOTT BUCHANAN Date Signed 12-14-05 ARIZONA, U.S.A.

Stanley Consultants INC. 2929 East Camelback Road, Suite 130, Phoenix, Arizona 85016-4425 www.stanleygroup.com (602) 912-0500

EXHIBIT A | SONOQUI WASH CHANNELIZATION CLOMR | SHEET 2 OF 9

Registered Land Surveyor CERTIFICATE NO. 29888 KIMBALL R. SIEGFRIED Date Signed 12-14-05 ARIZONA, U.S.A.

COOPER AERIAL SURVEY CO.

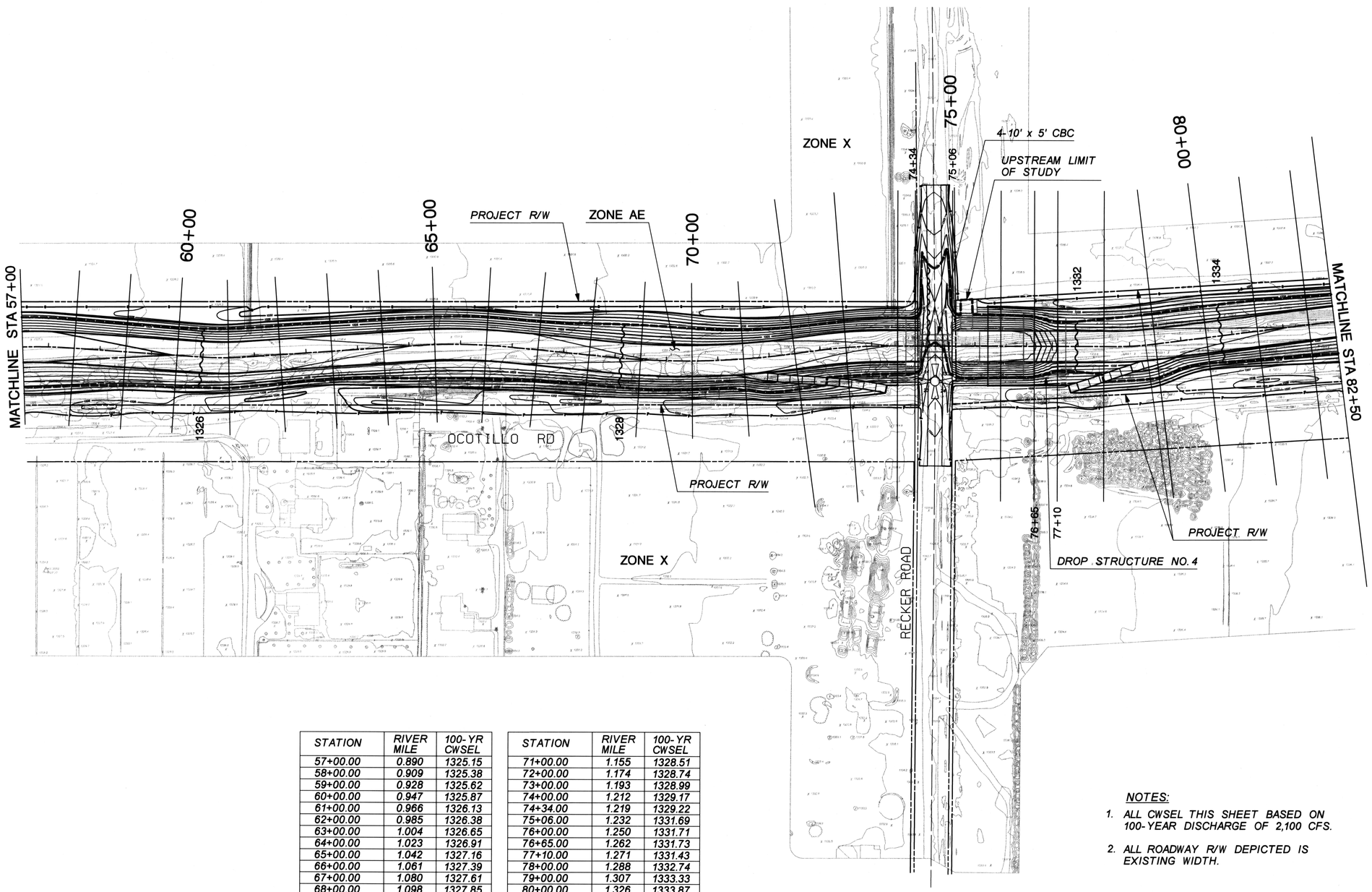
I, KIMBALL R.SIEGFRIED, ARIZONA REGISTERED LAND SURVEYOR #29888 CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR 1 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=40'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY STANLEY CONSULTANTS.

Registered Land Surveyor CERTIFICATE NO. 35694 JAMES B. FLACK Date Signed 12-14-05 ARIZONA, U.S.A.

STANLEY CONSULTANTS

I, JAMES B.FLACK, ARIZONA REGISTERED LAND SURVEYOR #35694 CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

12/14/2005 q:\18955\cadd\dgn\channel\clomrexhibit2.dgn



STATION	RIVER MILE	100-YR CWSEL
57+00.00	0.890	1325.15
58+00.00	0.909	1325.38
59+00.00	0.928	1325.62
60+00.00	0.947	1325.87
61+00.00	0.966	1326.13
62+00.00	0.985	1326.38
63+00.00	1.004	1326.65
64+00.00	1.023	1326.91
65+00.00	1.042	1327.16
66+00.00	1.061	1327.39
67+00.00	1.080	1327.61
68+00.00	1.098	1327.85
69+00.00	1.117	1328.08
70+00.00	1.136	1328.29

STATION	RIVER MILE	100-YR CWSEL
71+00.00	1.155	1328.51
72+00.00	1.174	1328.74
73+00.00	1.193	1328.99
74+00.00	1.212	1329.17
74+34.00	1.219	1329.22
75+06.00	1.232	1331.69
76+00.00	1.250	1331.71
76+65.00	1.262	1331.73
77+10.00	1.271	1331.43
78+00.00	1.288	1332.74
79+00.00	1.307	1333.33
80+00.00	1.326	1333.87
81+00.00	1.345	1334.29
82+00.00	1.364	1334.65

NOTES:

1. ALL CWSEL THIS SHEET BASED ON 100-YEAR DISCHARGE OF 2,100 CFS.
2. ALL ROADWAY R/W DEPICTED IS EXISTING WIDTH.

SCALE: 1" = 100'

50 0 50 100

CONTOUR INTERVAL: 1'
FLIGHT DATE: 1-30-04

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IN COOPERATION WITH
THE TOWN OF GILBERT AND
THE TOWN OF QUEEN CREEK

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS RD
FCD CONSTRUCTION CONTRACT 2004C074

CLOMR

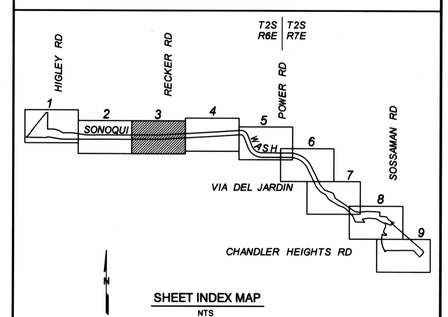
LEGEND

POST PROJECT 100-YR FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER STATIONING	25+00 30+00
CROSS SECTION	
ELEVATION REFERENCE MARK	RM 001
BASE FLOOD ELEVATION	1350
FLOOD INSURANCE ZONE	ZONE AE
SECTION CORNER	15 14 22 23

ELEVATION REFERENCE MARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
RM 001	1354.4703	BCHH AT CORNER OF OCOTILLO RD & POWER RD
RM 002	1370.6092	BC AT CORNER OF SOSSAMAN RD & CHANDLER HEIGHTS RD
RM 003	1328.2496	FD BC HIGLEY RD 1/2 MI NORTH OF OCOTILLO RD



SHEET INDEX MAP
NTS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
ENGINEERING DIVISION

TOWN OF QUEEN CREEK

TOWN OF GILBERT

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS ROAD
CLOMR

	BY	DATE
DESIGNED	NDV	10/05
DRAWN	LRj	10/05
CHECKED	GSB	10/05

Registered Professional Engineer (Civil) 26837 G. SCOTT BUCHANAN Date Signed 12-14-05 ARIZONA, U.S.A.

Stanley Consultants INC. 2929 East Camelback Road, Suite 130, Phoenix, Arizona 85016-4425 www.stanleygroup.com (602) 912-6000

REGISTERED LAND SURVEYOR CERTIFICATE NO. 29888 KIMBALL R. SIEGFRIED Date Signed 12-14-05 ARIZONA, U.S.A.

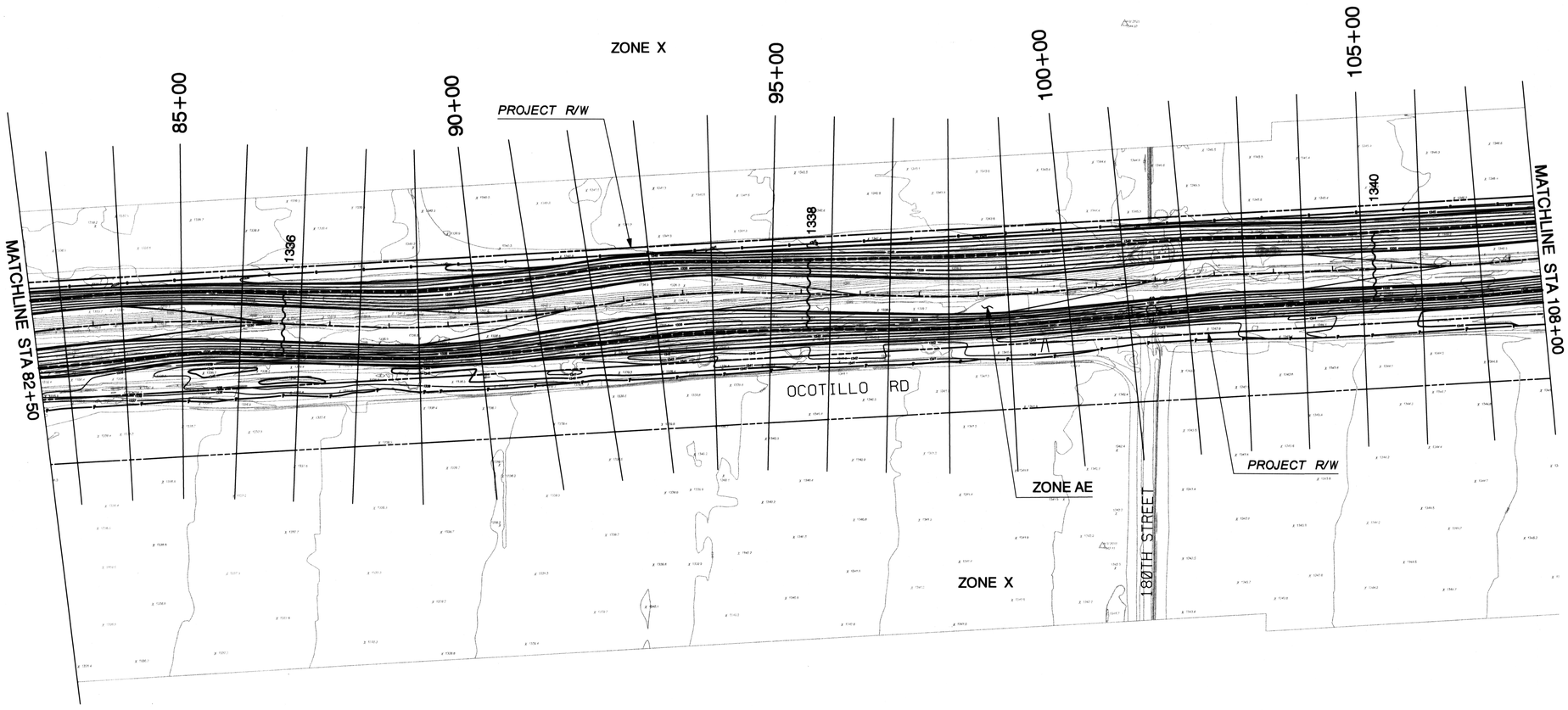
REGISTERED LAND SURVEYOR CERTIFICATE NO. 35694 JAMES B. FLACK Date Signed 12-14-05 ARIZONA, U.S.A.

COOPER AERIAL SURVEY CO. I, KIMBALL R.SIEGFRIED, ARIZONA REGISTERED LAND SURVEYOR #29888 CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR 1 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=40'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY STANLEY CONSULTANTS.

STANLEY CONSULTANTS I, JAMES B.FLACK, ARIZONA REGISTERED LAND SURVEYOR #35694 CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

EXHIBIT A | SONOQUI WASH CHANNELIZATION CLOMR | SHEET 3 OF 9

12/14/2005 Q:\16955\CADD\DGN\CHANNEL\CLOMRexhibit3.dgn



STATION	RIVER MILE	100-YR CWSEL
83+00.00	1.383	1334.96
84+00.00	1.402	1335.24
85+00.00	1.420	1335.51
86+00.00	1.439	1335.80
87+00.00	1.458	1336.07
88+00.00	1.477	1336.33
89+00.00	1.496	1336.59
90+00.00	1.515	1336.82
91+00.00	1.534	1337.04
92+00.00	1.553	1337.25
93+00.00	1.572	1337.47
94+00.00	1.591	1337.66
95+00.00	1.610	1337.87

STATION	RIVER MILE	100-YR CWSEL
96+00.00	1.629	1338.07
97+00.00	1.648	1338.28
98+00.00	1.667	1338.49
99+00.00	1.686	1338.69
100+00.00	1.705	1338.90
101+00.00	1.723	1339.09
102+00.00	1.742	1339.31
103+00.00	1.761	1339.52
104+00.00	1.780	1339.73
105+00.00	1.799	1339.95
106+00.00	1.818	1340.17
107+00.00	1.837	1340.38
108+00.00	1.856	1340.59

NOTES:

1. ALL CWSEL THIS SHEET BASED ON 100-YEAR DISCHARGE OF 2,100 CFS.
2. ALL ROADWAY R/W DEPICTED IS EXISTING WIDTH.

SCALE: 1" = 100'

50 0 50 100

CONTOUR INTERVAL: 1'
FLIGHT DATE: 1-30-04

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IN COOPERATION WITH
THE TOWN OF GILBERT AND
THE TOWN OF QUEEN CREEK

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS RD
FCD CONSTRUCTION CONTRACT 2004C074

CLOMR

LEGEND

POST PROJECT 100-YR FLOODPLAIN BOUNDARY

HYDRAULIC BASE LINE WITH RIVER STATIONING — 25+00, 30+00

CROSS SECTION

ELEVATION REFERENCE MARK — RM 001

BASE FLOOD ELEVATION — 1350

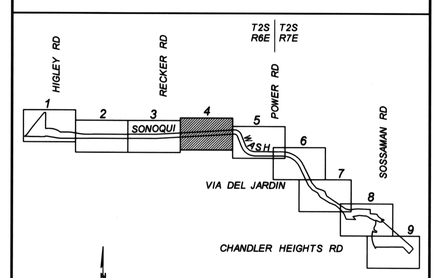
FLOOD INSURANCE ZONE — ZONE AE

SECTION CORNER — 15 14 22 23

ELEVATION REFERENCE MARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
RM 001	1354.4703	BCHH AT CORNER OF OCOTILLO RD & POWER RD
RM 002	1370.6092	BC AT CORNER OF SOSSAMAN RD & CHANDLER HEIGHTS RD
RM 003	1328.2496	FD BC HIGLEY RD 1/2 MI NORTH OF OCOTILLO RD



SHEET INDEX MAP
NTS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
ENGINEERING DIVISION

TOWN OF QUEEN CREEK — TOWN OF GILBERT

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS ROAD
CLOMR

	BY	DATE
DESIGNED	NDV	10/05
DRAWN	LRJ	10/05
CHECKED	GSB	10/05

Registered Professional Engineer (Civil) CERTIFICATE NO. 26837 G. SCOTT BUCHANAN Date Signed 12-14-05 ARIZONA, U.S.A.

Stanley Consultants INC. 2929 East Camelback Road, Suite 130, Phoenix, Arizona 85016-4425 www.stanleygroup.com (602) 912-6500

Registered Land Surveyor CERTIFICATE NO. 29888 KIMBALL R. SIEGFRIED Date Signed 12-14-05 ARIZONA, U.S.A.

Registered Land Surveyor CERTIFICATE NO. 35694 JAMES B. FLACK Date Signed 12-14-05 ARIZONA, U.S.A.

COOPER AERIAL SURVEY CO. I, KIMBALL R.SIEGFRIED, ARIZONA REGISTERED LAND SURVEYOR #29888 CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR 1 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=40'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY STANLEY CONSULTANTS.

STANLEY CONSULTANTS I, JAMES B.FLACK, ARIZONA REGISTERED LAND SURVEYOR #35694 CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

EXHIBIT A — SONOQUI WASH CHANNELIZATION CLOMR — SHEET 4 OF 9

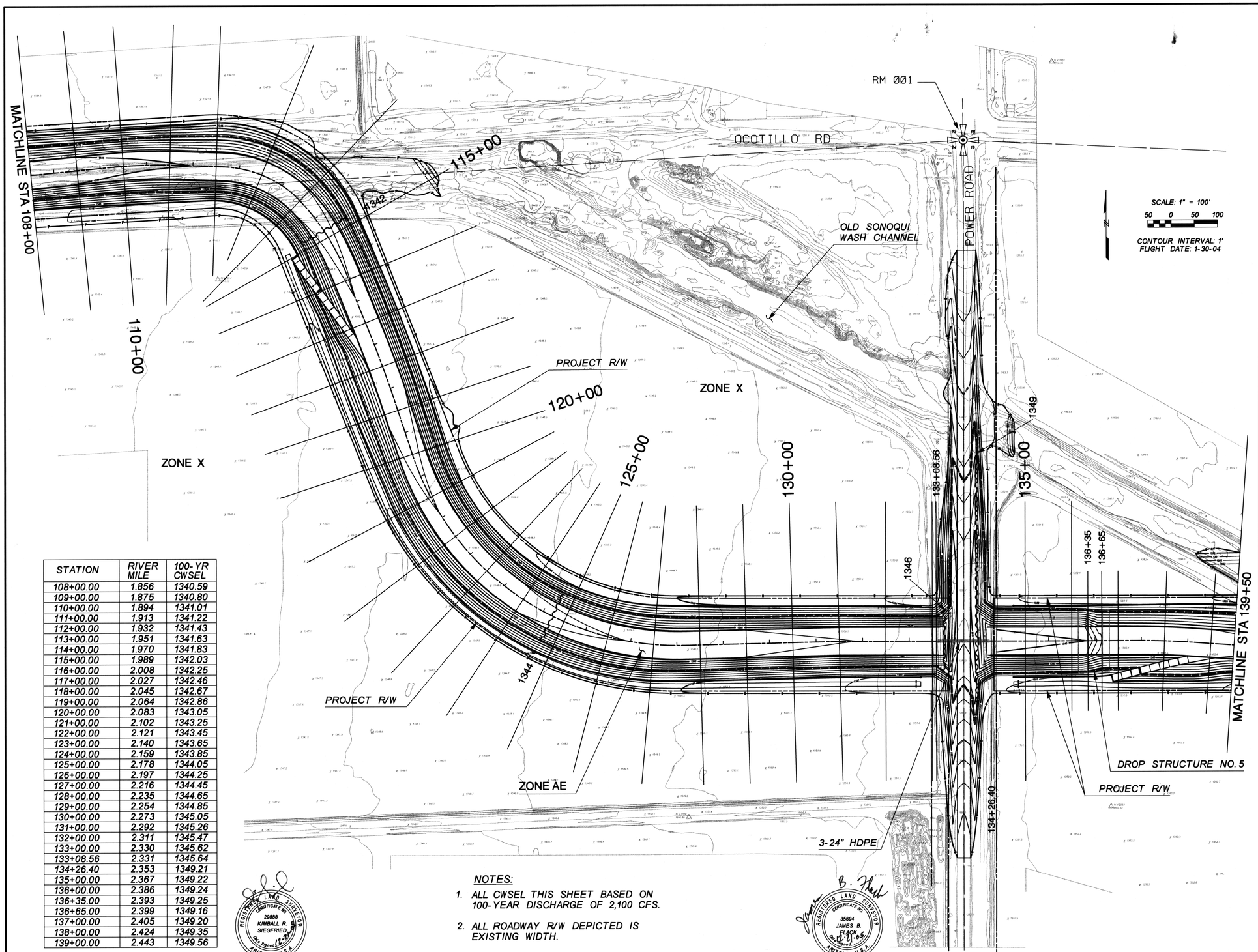
12/14/2005 q:\16955\cadd\dgn\channel\clomrexhibit4.dgn

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IN COOPERATION WITH
THE TOWN OF GILBERT AND
THE TOWN OF QUEEN CREEK

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS RD
FCD CONSTRUCTION CONTRACT 2004C074

CLOMR



STATION	RIVER MILE	100-YR CWSEL
108+00.00	1.856	1340.59
109+00.00	1.875	1340.80
110+00.00	1.894	1341.01
111+00.00	1.913	1341.22
112+00.00	1.932	1341.43
113+00.00	1.951	1341.63
114+00.00	1.970	1341.83
115+00.00	1.989	1342.03
116+00.00	2.008	1342.25
117+00.00	2.027	1342.46
118+00.00	2.045	1342.67
119+00.00	2.064	1342.86
120+00.00	2.083	1343.05
121+00.00	2.102	1343.25
122+00.00	2.121	1343.45
123+00.00	2.140	1343.65
124+00.00	2.159	1343.85
125+00.00	2.178	1344.05
126+00.00	2.197	1344.25
127+00.00	2.216	1344.45
128+00.00	2.235	1344.65
129+00.00	2.254	1344.85
130+00.00	2.273	1345.05
131+00.00	2.292	1345.26
132+00.00	2.311	1345.47
133+00.00	2.330	1345.62
133+08.56	2.331	1345.64
134+26.40	2.353	1349.21
135+00.00	2.367	1349.22
136+00.00	2.386	1349.24
136+35.00	2.393	1349.25
136+65.00	2.399	1349.16
137+00.00	2.405	1349.20
138+00.00	2.424	1349.35
139+00.00	2.443	1349.56

NOTES:

1. ALL CWSEL THIS SHEET BASED ON 100-YEAR DISCHARGE OF 2,100 CFS.
2. ALL ROADWAY R/W DEPICTED IS EXISTING WIDTH.

REGISTERED LAND SURVEYOR CERTIFICATE NO. 29888 KIMBALL R. SIEGFRIED ARIZONA, U.S.A. Date Signed 12-21-05

REGISTERED LAND SURVEYOR CERTIFICATE NO. 35694 JAMES B. FLACK ARIZONA, U.S.A. Date Signed 12-21-05

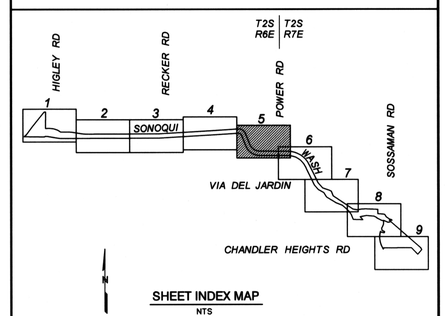
LEGEND

POST PROJECT 100-YR FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER STATIONING	25+00 30+00
CROSS SECTION	
ELEVATION REFERENCE MARK	RM 001
BASE FLOOD ELEVATION	1350
FLOOD INSURANCE ZONE	ZONE AE
SECTION CORNER	15 14 22 23

ELEVATION REFERENCE MARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
RM 001	1354.4703	BCHH AT CORNER OF OCOTILLO RD & POWER RD
RM 002	1370.6092	BC AT CORNER OF SOSSAMAN RD & CHANDLER HEIGHTS RD
RM 003	1328.2496	FD BC HIGLEY RD 1/2 MI NORTH OF OCOTILLO RD



SHEET INDEX MAP
NTS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
ENGINEERING DIVISION

TOWN OF QUEEN CREEK

TOWN OF GILBERT

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS ROAD
CLOMR

REGISTERED Professional Engineer (Civil) CERTIFICATE NO. 26837 G. SCOTT BUCHANAN ARIZONA, U.S.A. Date Signed 12-21-05

	BY	DATE
DESIGNED	NDV	10/05
DRAWN	LRj	10/05
CHECKED	GSB	10/05

Stanley Consultants INC. 2929 East Camelback Road, Suite 130, Phoenix, Arizona 85016-4425 www.stanleygroup.com (602) 912-6500

EXHIBIT A

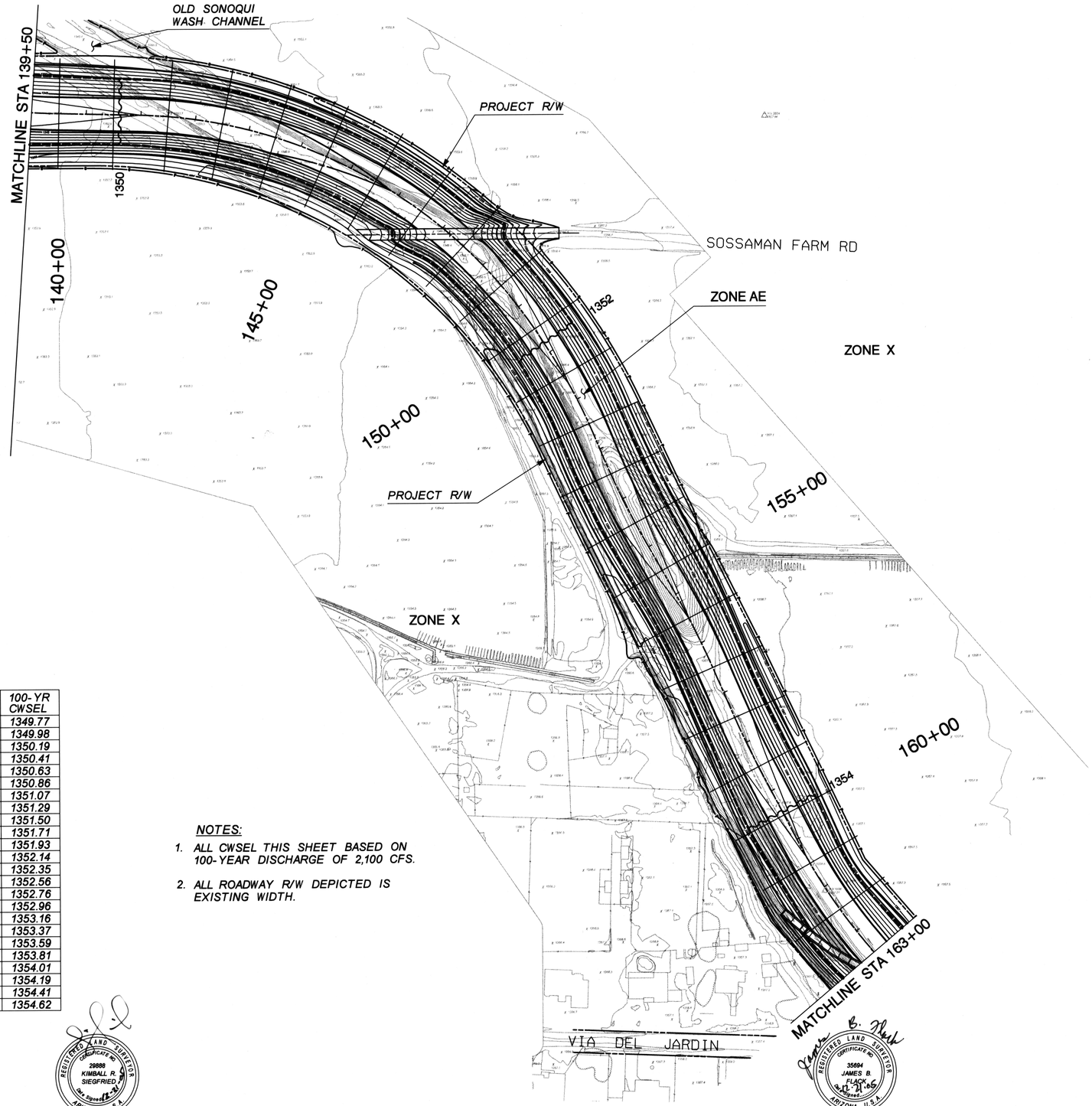
SONOQUI WASH CHANNELIZATION CLOMR

SHEET 5 OF 9

COOPER AERIAL SURVEY CO. I, KIMBALL R.SIEGFRIED, ARIZONA REGISTERED LAND SURVEYOR #29888 CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR 1 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=40'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY STANLEY CONSULTANTS.

STANLEY CONSULTANTS I, JAMES B.FLACK, ARIZONA REGISTERED LAND SURVEYOR #35694 CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

12/20/2005 Q:\16955\CADD\DGN\channel\CLOMRexhibit5.dgn



STATION	RIVER MILE	100-YR CWSEL
140+00.00	2.462	1349.77
141+00.00	2.481	1349.98
142+00.00	2.500	1350.19
143+00.00	2.519	1350.41
144+00.00	2.538	1350.63
145+00.00	2.557	1350.86
146+00.00	2.576	1351.07
147+00.00	2.595	1351.29
148+00.00	2.614	1351.50
149+00.00	2.633	1351.71
150+00.00	2.652	1351.93
151+00.00	2.670	1352.14
152+00.00	2.689	1352.35
153+00.00	2.708	1352.56
154+00.00	2.727	1352.76
155+00.00	2.746	1352.96
156+00.00	2.765	1353.16
157+00.00	2.784	1353.37
158+00.00	2.803	1353.59
159+00.00	2.822	1353.81
160+00.00	2.841	1354.01
161+00.00	2.860	1354.19
162+00.00	2.879	1354.41
163+00.00	2.898	1354.62

NOTES:

1. ALL CWSEL THIS SHEET BASED ON 100-YEAR DISCHARGE OF 2,100 CFS.
2. ALL ROADWAY R/W DEPICTED IS EXISTING WIDTH.

SCALE: 1" = 100'

50 0 50 100

CONTOUR INTERVAL: 1'
FLIGHT DATE: 1-30-04

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IN COOPERATION WITH
THE TOWN OF GILBERT AND
THE TOWN OF QUEEN CREEK

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS RD
FCD CONSTRUCTION CONTRACT 2004C074

CLOMR

LEGEND

POST PROJECT 100-YR FLOODPLAIN BOUNDARY

HYDRAULIC BASE LINE WITH RIVER STATIONING (25+00, 30+00)

CROSS SECTION

ELEVATION REFERENCE MARK — RM 001

BASE FLOOD ELEVATION — 1350

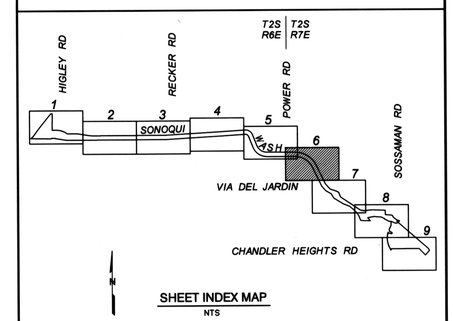
FLOOD INSURANCE ZONE — ZONE AE

SECTION CORNER — 15 14 22 23

ELEVATION REFERENCE MARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
RM 001	1354.4703	BCHH AT CORNER OF OCOTILLO RD & POWER RD
RM 002	1370.6092	BC AT CORNER OF SOSSAMAN RD & CHANDLER HEIGHTS RD
RM 003	1328.2496	FD BC HIGLEY RD 1/2 MI NORTH OF OCOTILLO RD



SHEET INDEX MAP
NTS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
ENGINEERING DIVISION

TOWN OF QUEEN CREEK — TOWN OF GILBERT

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS ROAD
CLOMR

	BY	DATE
DESIGNED	NDV	10/05
DRAWN	LRj	10/05
CHECKED	GSB	10/05

Registered Professional Engineer (Civil) CERTIFICATE NO. 26837 G. SCOTT BUCHANAN Date Signed 12-14-05 ARIZONA, U.S.A.

Stanley Consultants INC. 2929 East Camelback Road, Suite 130, Phoenix, Arizona 85016-4425 www.stanleygroup.com (602) 912-6500

Registered Land Surveyor CERTIFICATE NO. 29888 KIMBALL R. SIEGFRIED Date Signed 12-14-05 ARIZONA, U.S.A.

Registered Land Surveyor CERTIFICATE NO. 35694 JAMES B. FLACK Date Signed 12-13-05 ARIZONA, U.S.A.

COOPER AERIAL SURVEY CO.

I, KIMBALL R.SIEGFRIED, ARIZONA REGISTERED LAND SURVEYOR #29888 CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR 1 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=40'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY STANLEY CONSULTANTS.

STANLEY CONSULTANTS

I, JAMES B.FLACK, ARIZONA REGISTERED LAND SURVEYOR #35694 CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

EXHIBIT A — SONOQUI WASH CHANNELIZATION CLOMR — SHEET 6 OF 9

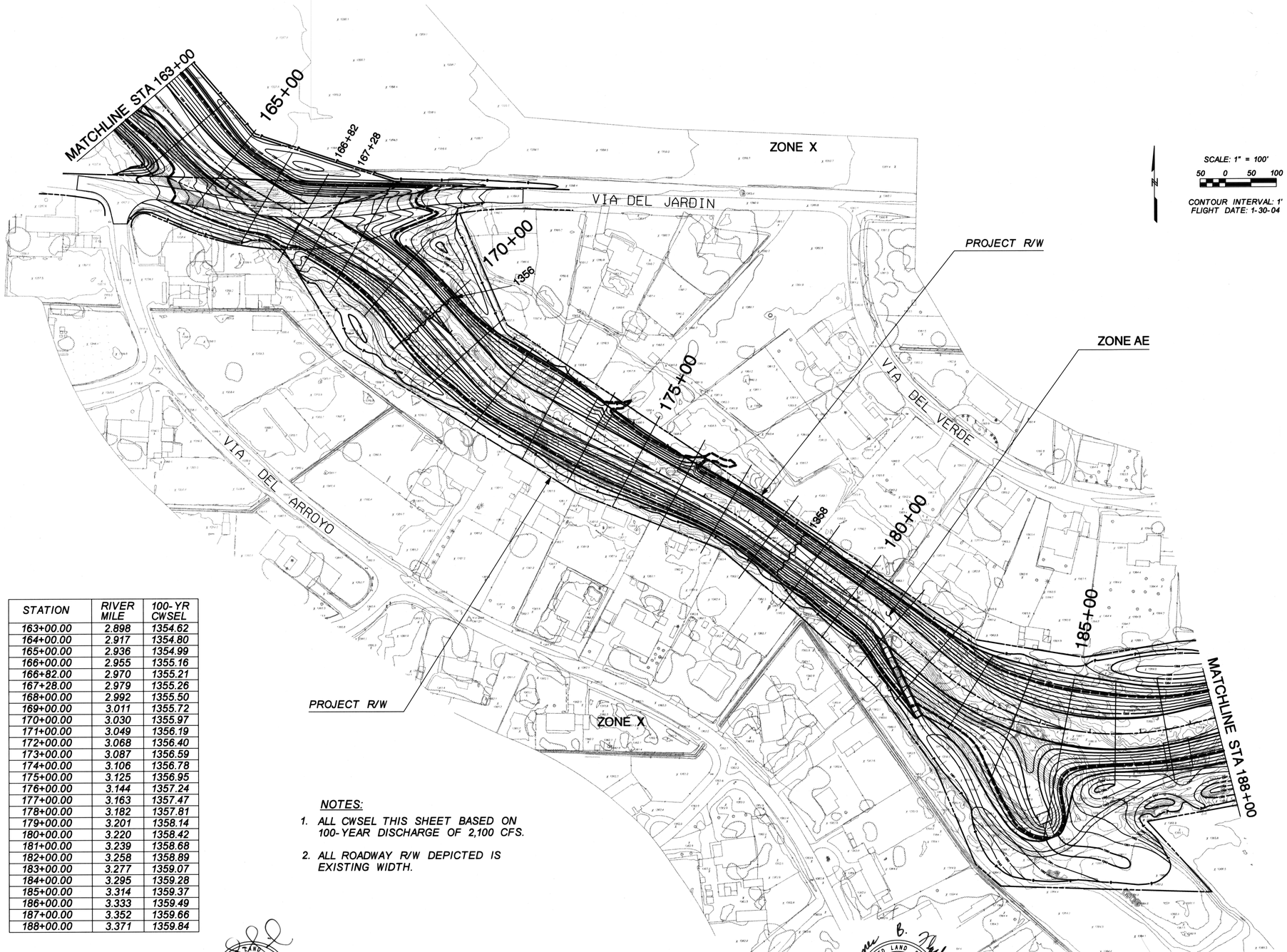
12/14/2005 q:\16955\cadd\dgn\channel\clomr exhibit6.dgn

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IN COOPERATION WITH
THE TOWN OF GILBERT AND
THE TOWN OF QUEEN CREEK

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS RD
FCD CONSTRUCTION CONTRACT 2004C074

CLOMR



STATION	RIVER MILE	100-YR CWSEL
163+00.00	2.898	1354.62
164+00.00	2.917	1354.80
165+00.00	2.936	1354.99
166+00.00	2.955	1355.16
166+82.00	2.970	1355.21
167+28.00	2.979	1355.26
168+00.00	2.992	1355.50
169+00.00	3.011	1355.72
170+00.00	3.030	1355.97
171+00.00	3.049	1356.19
172+00.00	3.068	1356.40
173+00.00	3.087	1356.59
174+00.00	3.106	1356.78
175+00.00	3.125	1356.95
176+00.00	3.144	1357.24
177+00.00	3.163	1357.47
178+00.00	3.182	1357.81
179+00.00	3.201	1358.14
180+00.00	3.220	1358.42
181+00.00	3.239	1358.68
182+00.00	3.258	1358.89
183+00.00	3.277	1359.07
184+00.00	3.295	1359.28
185+00.00	3.314	1359.37
186+00.00	3.333	1359.49
187+00.00	3.352	1359.66
188+00.00	3.371	1359.84

NOTES:

1. ALL CWSEL THIS SHEET BASED ON 100-YEAR DISCHARGE OF 2,100 CFS.
2. ALL ROADWAY R/W DEPICTED IS EXISTING WIDTH.

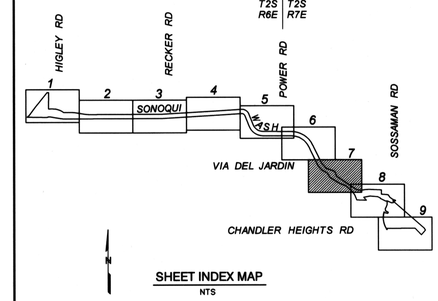
LEGEND

POST PROJECT 100-YR FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER STATIONING	25+00 30+00
CROSS SECTION	
ELEVATION REFERENCE MARK	RM 001
BASE FLOOD ELEVATION	1350
FLOOD INSURANCE ZONE	ZONE AE
SECTION CORNER	15 14 22 23

ELEVATION REFERENCE MARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
RM 001	1354.4703	BCHH AT CORNER OF OCOTILLO RD & POWER RD
RM 002	1370.6092	BC AT CORNER OF SOSSAMAN RD & CHANDLER HEIGHTS RD
RM 003	1328.2496	FD BC HIGLEY RD 1/2 MI NORTH OF OCOTILLO RD



SHEET INDEX MAP
NTS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
ENGINEERING DIVISION

TOWN OF QUEEN CREEK

TOWN OF GILBERT

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS ROAD
CLOMR

	BY	DATE
DESIGNED	NDV	10/05
DRAWN	LRj	10/05
CHECKED	GSB	10/05

Registered Professional Engineer (Civil) CERTIFICATE NO. 26837 G. SCOTT BUCHANAN Date Signed 12-14-05 ARIZONA, U.S.A.

Stanley Consultants INC. 2929 East Camelback Road, Suite 130, Phoenix, Arizona 85016-4425 www.stanleygroup.com (602) 912-8500

COOPER AERIAL SURVEY CO.

I, KIMBALL R.SIEGFRIED, ARIZONA REGISTERED LAND SURVEYOR #29888 CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR 1 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=40'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY STANLEY CONSULTANTS.

Registered Land Surveyor CERTIFICATE NO. 29888 KIMBALL R. SIEGFRIED Date Signed 12-14-05 ARIZONA, U.S.A.

STANLEY CONSULTANTS

I, JAMES B.FLACK, ARIZONA REGISTERED LAND SURVEYOR #35694 CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

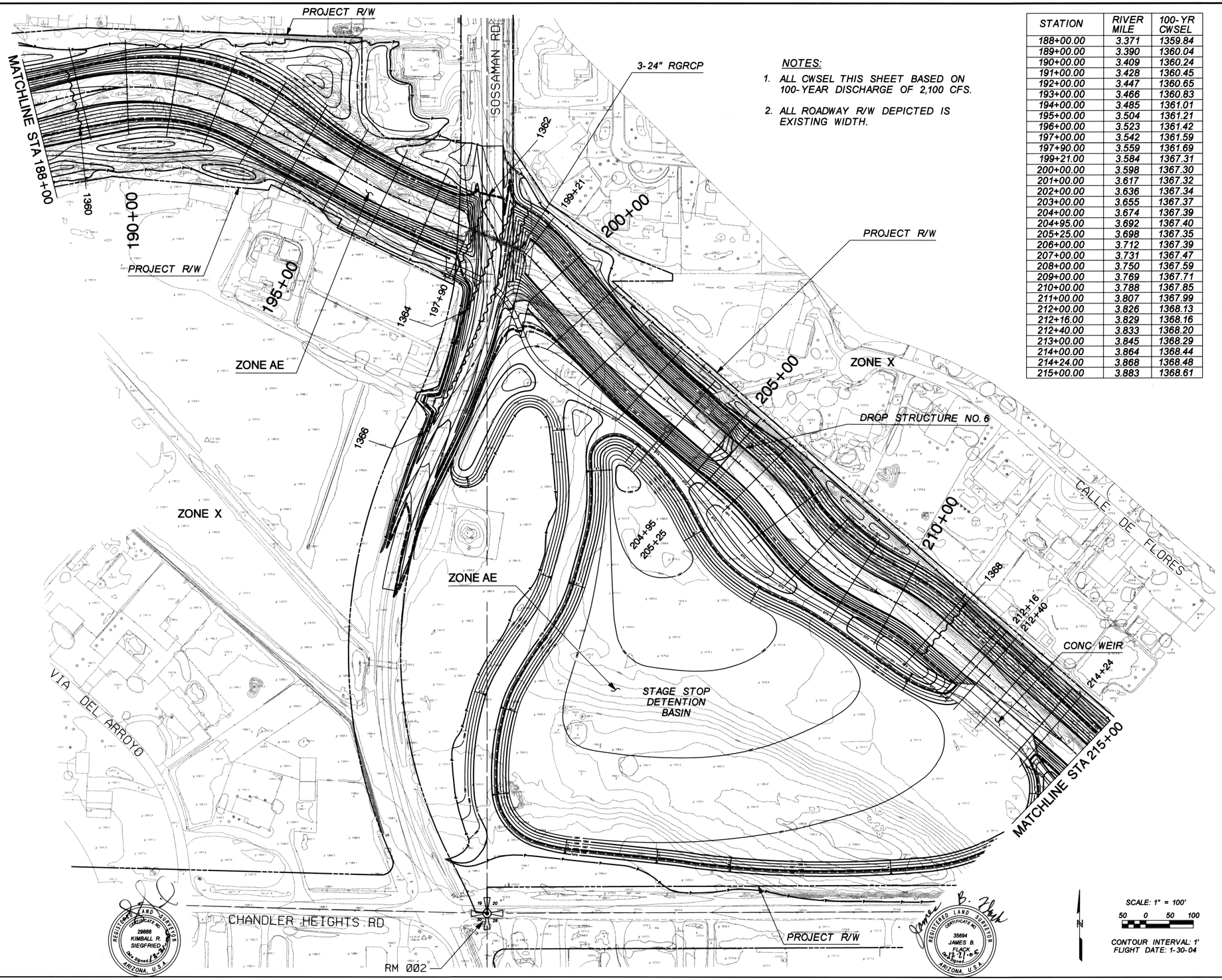
Registered Land Surveyor CERTIFICATE NO. 35694 JAMES B. FLACK Date Signed 12-14-05 ARIZONA, U.S.A.

EXHIBIT A

SONOQUI WASH CHANNELIZATION
CLOMR

SHEET 7 OF 9

12/14/2005 q:\16955\cadd\dgn\channel\clomrexhibit7.dgn



NOTES:

1. ALL CWSEL THIS SHEET BASED ON 100-YEAR DISCHARGE OF 2,100 CFS.
2. ALL ROADWAY R/W DEPICTED IS EXISTING WIDTH.

STATION	RIVER MILE	100-YR CWSEL
188+00.00	3.371	1359.84
189+00.00	3.390	1360.04
190+00.00	3.409	1360.24
191+00.00	3.428	1360.45
192+00.00	3.447	1360.65
193+00.00	3.466	1360.83
194+00.00	3.485	1361.01
195+00.00	3.504	1361.21
196+00.00	3.523	1361.42
197+00.00	3.542	1361.59
197+90.00	3.559	1361.69
199+21.00	3.584	1367.31
200+00.00	3.598	1367.30
201+00.00	3.617	1367.32
202+00.00	3.636	1367.34
203+00.00	3.655	1367.37
204+00.00	3.674	1367.39
204+95.00	3.692	1367.40
205+25.00	3.698	1367.35
206+00.00	3.712	1367.39
207+00.00	3.731	1367.47
208+00.00	3.750	1367.59
209+00.00	3.769	1367.71
210+00.00	3.788	1367.85
211+00.00	3.807	1367.99
212+00.00	3.826	1368.13
212+16.00	3.829	1368.16
212+40.00	3.833	1368.20
213+00.00	3.845	1368.29
214+00.00	3.864	1368.44
214+24.00	3.868	1368.48
215+00.00	3.883	1368.61

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IN COOPERATION WITH
THE TOWN OF GILBERT AND
THE TOWN OF QUEEN CREEK

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS RD
FCD CONSTRUCTION CONTRACT 2004C074

CLOMR

LEGEND

POST PROJECT 100-YR FLOODPLAIN BOUNDARY

HYDRAULIC BASE LINE WITH RIVER STATIONING (25+00, 30+00)

CROSS SECTION

ELEVATION REFERENCE MARK — RM 001

BASE FLOOD ELEVATION — 1350

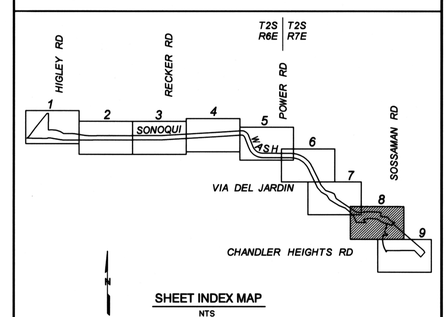
FLOOD INSURANCE ZONE — ZONE AE

SECTION CORNER (15, 14, 22, 23)

ELEVATION REFERENCE MARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
RM 001	1354.4703	BCHH AT CORNER OF OCOTILLO RD & POWER RD
RM 002	1370.6092	BC AT CORNER OF SOSSAMAN RD & CHANDLER HEIGHTS RD
RM 003	1328.2496	FD BC HIGLEY RD 1/2 MI NORTH OF OCOTILLO RD



SHEET INDEX MAP
NTS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
ENGINEERING DIVISION

TOWN OF QUEEN CREEK — TOWN OF GILBERT

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS ROAD
CLOMR

	BY	DATE
DESIGNED	NDV	10/05
DRAWN	LRj	10/05
CHECKED	GSB	10/05

Registered Professional Engineer (Civil) 26837 G. SCOTT BUCHANAN Date Signed 12-14-05 ARIZONA, U.S.A.

Stanley Consultants INC. 2929 East Camelback Road, Suite 130, Phoenix, Arizona 85016-4425 www.stanleygroup.com (602) 912-8500

COOPER AERIAL SURVEY CO. I. KIMBALL R.SIEGFRIED. ARIZONA REGISTERED LAND SURVEYOR #29888 CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR 1 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=40'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY STANLEY CONSULTANTS.

STANLEY CONSULTANTS I. JAMES B.FLACK. ARIZONA REGISTERED LAND SURVEYOR #35694 CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

EXHIBIT A | SONOQUI WASH CHANNELIZATION CLOMR | SHEET 8 OF 9

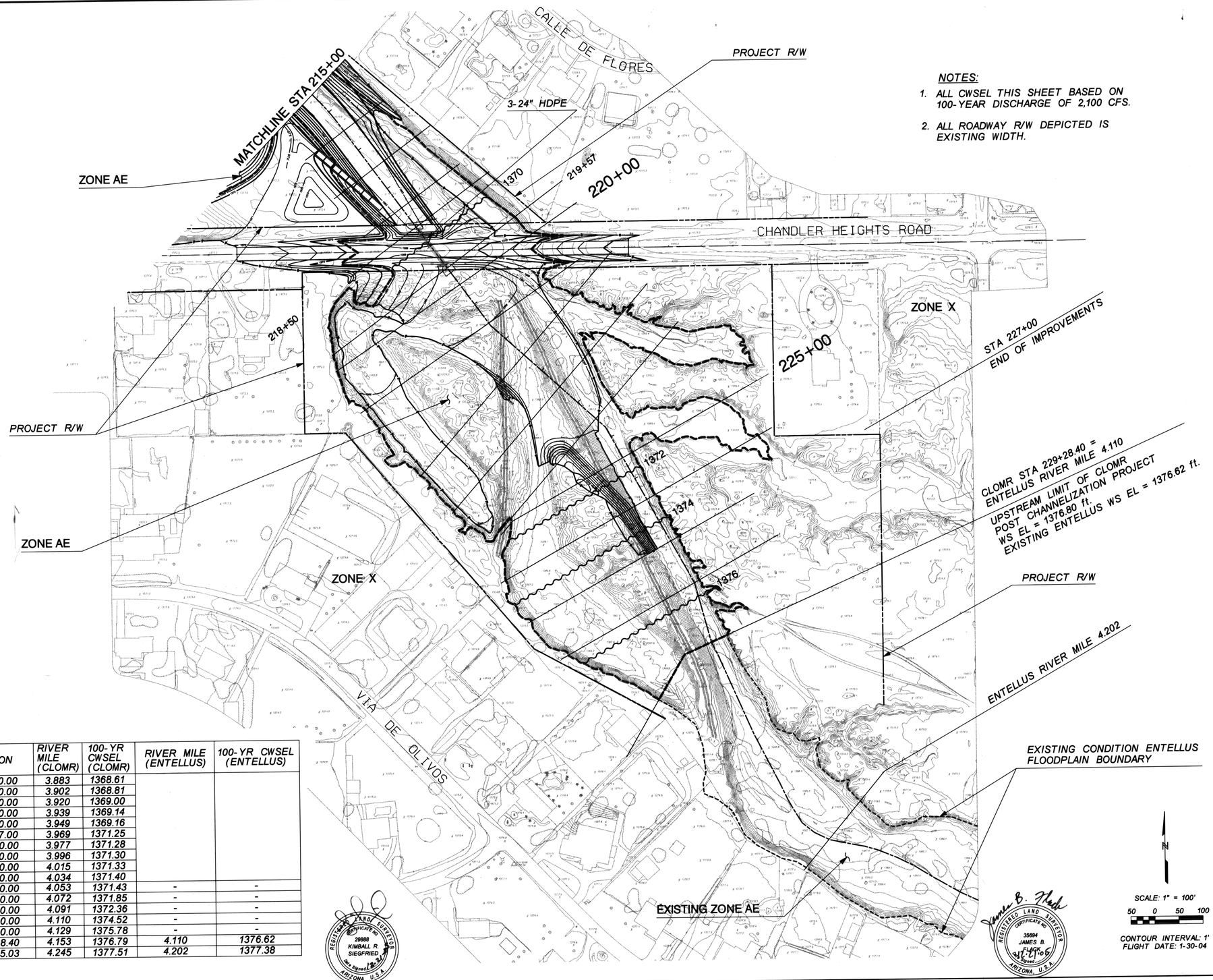
12/14/2005 q:\189551\cadd\dgn\channel\clomrexhibit8.dgn

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IN COOPERATION WITH
THE TOWN OF GILBERT AND
THE TOWN OF QUEEN CREEK

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS RD
FCD CONSTRUCTION CONTRACT 2004C074

CLOMR



NOTES:

1. ALL CWSEL THIS SHEET BASED ON 100-YEAR DISCHARGE OF 2,100 CFS.
2. ALL ROADWAY R/W DEPICTED IS EXISTING WIDTH.

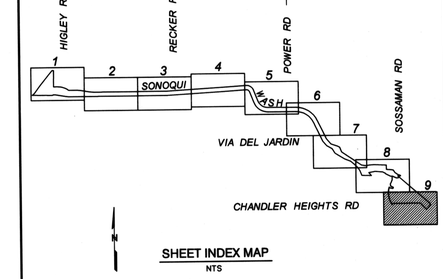
LEGEND

POST PROJECT 100-YR FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER STATIONING	25+00 30+00
CROSS SECTION	
ELEVATION REFERENCE MARK	RM 001
BASE FLOOD ELEVATION	1350
FLOOD INSURANCE ZONE	ZONE AE
SECTION CORNER	15 14 22 23

ELEVATION REFERENCE MARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
RM 001	1354.4703	BCHH AT CORNER OF OCOTILLO RD & POWER RD
RM 002	1370.6092	BC AT CORNER OF SOSSAMAN RD & CHANDLER HEIGHTS RD
RM 003	1328.2496	FD BC HIGLEY RD 1/2 MI NORTH OF OCOTILLO RD



SHEET INDEX MAP
NTS

STATION	RIVER MILE (CLOMR)	100-YR CWSEL (CLOMR)	RIVER MILE (ENTELLUS)	100-YR CWSEL (ENTELLUS)
215+00.00	3.883	1368.61		
216+00.00	3.902	1368.81		
217+00.00	3.920	1369.00		
218+00.00	3.939	1369.14		
218+50.00	3.949	1369.16		
219+57.00	3.969	1371.25		
220+00.00	3.977	1371.28		
221+00.00	3.996	1371.30		
222+00.00	4.015	1371.33		
223+00.00	4.034	1371.40		
224+00.00	4.053	1371.43	-	-
225+00.00	4.072	1371.85	-	-
226+00.00	4.091	1372.36	-	-
227+00.00	4.110	1374.52	-	-
228+00.00	4.129	1375.78	-	-
229+28.40	4.153	1376.79	4.110	1376.62
234+15.03	4.245	1377.51	4.202	1377.38

REGISTERED LAND SURVEYOR CERTIFICATE NO. 29888 KIMBALL R. SIEGFRIED date signed 12-20-05 ARIZONA, U.S.A.

REGISTERED LAND SURVEYOR CERTIFICATE NO. 35694 JAMES B. FLACK date signed 12-20-05 ARIZONA, U.S.A.

SCALE: 1" = 100'
50 0 50 100

CONTOUR INTERVAL: 1'
FLIGHT DATE: 1-30-04

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
ENGINEERING DIVISION

TOWN OF QUEEN CREEK — TOWN OF GILBERT

SONOQUI WASH CHANNELIZATION
QUEEN CREEK WASH TO CHANDLER HEIGHTS ROAD
CLOMR

	BY	DATE
DESIGNED	NDV	10/05
DRAWN	LRj	10/05
CHECKED	GSB	10/05

Registered Professional Engineer (Civil) 28837 G. SCOTT BUCHANAN date signed 12-20-05 ARIZONA, U.S.A.

Stanley Consultants INC. 2929 East Camelback Road, Suite 130, Phoenix, Arizona 85016-4425 www.stanleygroup.com (602) 912-6500

EXHIBIT A | SONOQUI WASH CHANNELIZATION CLOMR | SHEET 9 OF 9

COOPER AERIAL SURVEY CO. I. KIMBALL R.SIEGFRIED. ARIZONA REGISTERED LAND SURVEYOR #29888 CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR 1 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=40'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY STANLEY CONSULTANTS.

STANLEY CONSULTANTS I. JAMES B.FLACK. ARIZONA REGISTERED LAND SURVEYOR #35694 CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

12/20/2005 Q:\169551\CADD\DGN\channel\CLOMRexhibit9.dgn